Division of Geological & Geophysical Surveys

PUBLIC-DATA FILE 93-79

**KRIGED SURFACES OF SELECTED TRACE ELEMENTS FROM STREAM
SEDIMENT SAMPLES COLLECTED IN THE LIVENGOD B-3, B-4, C-3, AND C-4
QUADRANGLES, EAST-CENTRAL ALASKA**

by

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July 1993

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STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
Division of Geological & Geophysical Surveys
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This report contains maps and geochemical data from stream sediment samples collected in the Livengood area of east-central Alaska during the summer of 1983.

The maps contain kriged surfaces of selected trace elements that were produced using SURFER (Golden Software). The surfaces were subsequently imported into Generic Cadd 6.0 (Autodesk), and overlayed onto a map base of the Livengood area.

LIVENGOOD QUADRANGLE ALASKA

DISTRIBUTION
OF
SAMPLES
IN THE
LIVENGOOD
B-3, B-4,
C-3 & C-4
QUADRANGLES
ALASKA

DGGS DATASET

ALL ANALYSES BY
ATOMIC ABSORPTION

1586 STREAM SEDIMENT
SAMPLES

0 15 MILES

LIVENGOOD QUADRANGLE ALASKA

KRIGED
SURFACE

ARSENIC

CONTOUR
INTERVAL
10 ppm

DGGS DATASET

ALL ANALYSES BY
ATOMIC ABSORPTION

1586 STREAM SEDIMENT
SAMPLES

0

15 MILES

LIVENGOOD QUADRANGLE ALASKA

KRIGED
SURFACE

SILVER

CONTOUR
INTERVAL
0.25 ppm

DGGS DATASET

ALL ANALYSES BY
ATOMIC ABSORPTION

1586 STREAM SEDIMENT
SAMPLES

LIVENGOOD QUADRANGLE ALASKA

KRIGED
SURFACE

COBALT

CONTOUR
INTERVAL
10 ppm

DGGS DATASET

ALL ANALYSES BY
ATOMIC ABSORPTION

1566 STREAM SEDIMENT
SAMPLES

0 15 MILES

LIVENGOOD QUADRANGLE ALASKA

KRIGED
SURFACE

CHROMIUM

CONTOUR
INTERVAL
20 ppm

DGGS DATASET

ALL ANALYSES BY
ATOMIC ABSORPTION

1586 STREAM SEDIMENT
SAMPLES

0 15 MILES

LIVENGOOD QUADRANGLE ALASKA

KRIGED
SURFACE
COPPER
CONTOUR
INTERVAL
10 ppm

DGGS DATASET
ALL ANALYSES BY ATOMIC ABSORPTION
1586 STREAM SEDIMENT SAMPLES

LIVENGOOD QUADRANGLE ALASKA

KRIGED
SURFACE
IRON
CONTOUR
INTERVAL
0.25 percent

DGGS DATASET

ALL ANALYSES BY
ATOMIC ABSORPTION

1586 STREAM SEDIMENT
SAMPLES

LIVENGOOD QUADRANGLE ALASKA

KRIGED
SURFACE
MANGANESE
CONTOUR
INTERVAL
250 ppm

DGGS DATASET

ALL ANALYSES BY
ATOMIC ABSORPTION

1586 STREAM SEDIMENT
SAMPLES

15 MILES

0

LIVENGOOD
QUADRANGLE
ALASKA

KRIGED
SURFACE

NICKEL

CONTOUR
INTERVAL
20 ppm

DGGS DATASET

ALL ANALYSES BY
ATOMIC ABSORPTION

1586 STREAM SEDIMENT
SAMPLES

0 15 MILES

LIVENGOOD QUADRANGLE ALASKA

KRIGED
SURFACE

LEAD

CONTOUR
INTERVAL
10 ppm

DGGS DATASET

ALL ANALYSES BY
ATOMIC ABSORPTION

1586 STREAM SEDIMENT
SAMPLES

LIVENGOOD QUADRANGLE ALASKA

KRIGED
SURFACE

ZINC

CONTOUR
INTERVAL
20 ppm

DGGS DATASET

ALL ANALYSES BY
ATOMIC ABSORPTION

1586 STREAM SEDIMENT
SAMPLES

0 15 MILES

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Cd	Ni	Fe	Mn	Cr
1	85.51010	-148.67980	28	7	68	0.2	10	24	30	1.56	610	35
2	85.50770	-148.68510	35	12	119	0.1	10	23	47	3.77	200	62
3	85.50520	-148.69290	30	9	111	0.1	10	14	42	2.41	544	48
5	85.50320	-148.69560	86	16	106	0.1	10	26	60	4.36	885	57
7	85.49920	-148.70040	87	13	127	0.1	10	27	60	4.8	879	67
8	85.49680	-148.70250	78	11	146	0.1	10	34	77	4.81	888	74
9	85.49500	-148.70170	27	10	75	0.1	20	16	32	4.01	985	45
10	85.49470	-148.70800	57	9	123	0.1	10	26	57	4.55	727	60
11	85.49120	-148.71700	52	9	121	0.1	10	20	49	3.93	1050	59
13	85.48920	-148.72870	33	10	80	0.1	10	14	32	3.19	793	45
14	85.60130	-148.14140	23	12	50	0.2	15	14	21	2.64	781	37
15	85.60000	-148.15100	23	15	49	0.1	21	16	20	3.04	578	39
16	85.59850	-148.15850	23	15	48	0.2	19	14	19	2.98	565	40
17	85.59790	-148.16600	21	13	52	0.1	15	13	18	2.78	633	37
18	85.59780	-148.17120	24	14	57	0.1	18	14	21	3.05	700	39
19	85.59810	-148.18100	16	10	43	0.1	10	10	15	1.85	116	34
20	85.59730	-148.19030	17	9	38	0.2	7	36	13	3.06	1930	20
21	85.58760	-148.20490	41	9	47	0.1	10	10	11	2.09	144	24
22	85.58780	-148.20100	38	17	32	0.5	12	10	13	1.59	105	27
23	85.58870	-148.20010	29	14	52	0.1	10	10	17	1.69	75	28
26	85.58930	-148.19770	29	10	35	0.2	19	10	11	1.59	88	24
28	85.59310	-148.19850	55	20	64	0.1	30	11	24	3.14	549	32
30	85.52770	-148.18630	18	9	45	0.1	10	10	15	2.19	167	33
31	85.52390	-148.18990	22	9	45	0.1	10	10	14	2.06	133	30
32	85.52180	-148.19180	18	7	42	0.1	10	10	13	1.85	127	27
33	85.51910	-148.19410	14	7	37	0.1	10	10	12	2.09	119	25
34	85.51630	-148.19780	22	8	48	0.1	10	10	14	2.04	129	32
35	85.43630	-148.43090	23	6	61	0.1	10	10	22	2.34	322	34
36	85.43480	-148.42630	22	6	62	0.1	10	10	22	2.38	295	33
37	85.43290	-148.42230	17	8	54	0.1	10	10	18	2.11	280	33
38	85.43400	-148.42260	22	8	59	0.1	10	10	20	2.28	304	30
39	85.43110	-148.41580	24	9	68	0.1	10	13	22	2.82	865	35
40	85.43200	-148.41550	21	8	56	0.1	10	10	18	2.19	275	31
41	85.42940	-148.41020	21	9	68	0.1	10	13	10	2.48	983	31
42	85.42790	-148.40540	19	7	54	0.1	10	10	17	2.23	462	28
43	85.42660	-148.40130	20	11	63	0.1	10	11	22	2.57	498	29
44	85.42890	-148.39430	20	11	67	0.1	10	12	24	2.75	540	33
45	85.43230	-148.38890	22	13	74	0.1	10	14	28	3.18	633	34
47	85.43540	-148.38410	21	12	69	0.1	10	13	24	2.87	110	52
48	85.43620	-148.38520	26	9	55	0.1	10	11	25	2.67	373	30
50	85.44180	-148.37390	20	18	67	0.1	10	11	22	2.61	513	28
56	85.45760	-148.52030	95	110	175	1	212	10	28	8.69	503	44
57	85.45670	-148.52470	3	53	240	0.3	86	24	35	4.89	1210	44
58	85.45760	-148.52030	8	88	488	0.4	112	18	36	7.26	0	46
59	85.45930	-148.52360	43	8	161	0.9	210	10	33	9.83	388	48
61	85.45920	-148.52030	7	22	118	0.2	31	18	31	3.27	584	35
63	85.46170	-148.51700	3	64	202	0.7	47	22	42	4.21	1890	41
66	85.46480	-148.52170	24	36	142	0.3	95	18	41	6.22	978	121
67	85.40730	-148.41560	31	12	64	0.1	10	14	28	3.51	576	37
69	85.40770	-148.40520	25	10	69	0.1	10	15	24	3.3	530	38
71	85.40530	-148.39830	27	10	52	0.2	10	11	30	2.98	271	33
72	85.40270	-148.39330	27	10	52	0.2	10	14	30	3.39	432	31
73	85.39960	-148.38700	21	12	68	0.1	10	27	33	3.38	1400	39
74	85.39870	-148.38230	26	10	61	0.1	10	13	32	3.13	522	41
75	85.39720	-148.38300	30	9	59	0.1	10	17	26	1.07	1670	17
76	85.49540	-148.91440	19	13	60	0.2	10	13	13	2.97	563	23
78	85.49690	-148.91370	23	12	68	0.1	10	14	16	3.46	732	26
81	85.49640	-148.89420	22	10	70	0.1	10	10	18	3.31	313	31
83	85.49380	-148.89200	37	16	78	0.1	10	25	25	3.79	1670	36
85	85.49570	-148.88210	59	23	81	0.3	10	15	28	3.4	847	41
85	85.49570	-148.88210	115	29	207	0.4	11	23	29	4.11	1440	39
86	85.49420	-148.87350	26	11	69	0.1	10	12	22	2.79	593	35
86	85.49420	-148.87350	83	22	83	0.4	10	21	23	3.24	1270	29
87	85.49530	-148.87650	21	10	69	0.1	10	10	20	2.91	392	28
89	85.49730	-148.86730	19	9	63	0.1	10	10	18	2.68	330	27
90	85.49690	-148.85950	23	11	70	0.1	10	10	20	2.93	431	29
91	85.49560	-148.84960	22	10	70	0.1	10	10	20	2.85	480	26
92	85.49630	-148.84040	19	10	65	0.1	10	10	18	2.79	530	22
93	85.32500	-148.11110	25	12	77	0.5	10	10	22	2.12	621	17
95	85.32120	-148.10680	35	14	83	0.4	10	13	31	3.09	577	19
96	85.31900	-148.10540	36	15	83	0.4	10	13	34	3.09	738	33
99	85.31440	-148.10260	20	12	57	0.2	10	11	25	2.63	630	25
100	85.59680	-148.47040	15	13	49	0.1	10	10	13	2.36	261	26
102	85.59820	-148.46940	45	23	63	0.2	10	42	18	4.14	3040	28
104	85.59910	-148.46920	28	20	61	0.1	10	35	17	3.71	2240	30

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Ca	Ni	Fe	Mn	Cr
109	65.59980	-148.46720	78	32	100	0.3	10	43	32	5.01	5190	38
110	65.60060	-148.46680	37	24	87	0.1	10	33	27	4.35	3290	38
111	65.60180	-148.46590	31	17	77	0.2	10	21	23	3.85	1470	38
113	65.60560	-148.46490	38	22	76	0.1	10	24	22	3.78	2060	30
117	65.61080	-148.46580	23	14	55	0.1	26	12	19	2.82	863	31
119	65.61560	-148.46430	15	8	61	0.1	10	10	30	2.59	333	46
120	65.61790	-148.46170	34	16	87	0.1	10	23	43	4.37	1750	59
121	65.62140	-148.45920	24	10	63	0.1	10	13	24	3.13	773	37
123	65.62430	-148.45450	24	11	67	0.1	10	13	27	2.74	734	37
125	65.62740	-148.44300	20	10	64	0.1	10	11	27	2.76	552	39
126	65.62850	-148.44050	36	11	67	0.1	10	17	27	3.36	870	37
128	65.63130	-148.43550	18	8	57	0.1	10	10	19	2.52	538	28
129	65.63260	-148.43110	24	12	68	0.1	10	14	25	3	999	34
132	65.63020	-148.32710	17	11	53	0.1	10	10	13	2.86	367	26
133	65.63020	-148.32710	18	11	87	0.1	10	19	26	3.3	1140	35
135	65.63150	-148.32820	30	15	84	0.2	10	24	55	4.49	1150	82
136	65.63140	-148.32450	23	9	61	0.1	10	13	38	2.93	601	52
137	65.63270	-148.32460	29	12	75	0.1	10	18	43	3.66	1020	64
140	65.63390	-148.32450	19	9	57	0.1	10	10	18	2.68	498	28
142	65.63490	-148.32460	16	8	57	0.1	10	10	19	2.7	403	28
144	65.63680	-148.32420	29	12	74	0.1	10	17	39	3.85	988	53
145	65.63750	-148.32430	23	12	70	0.1	10	11	24	3.38	471	37
146	65.63820	-148.32410	18	9	56	0.1	10	10	25	2.41	285	35
147	65.63900	-148.32430	25	10	70	0.1	10	15	41	3.4	777	56
148	65.64410	-148.32190	17	8	60	0.1	10	11	30	2.78	580	45
149	65.63580	-148.35490	17	10	60	0.1	10	10	29	3.1	253	47
150	65.63870	-148.35260	20	11	63	0.1	10	11	29	3.1	411	48
152	65.64190	-148.35480	20	10	58	0.1	10	10	27	2.8	319	40
153	65.64330	-148.35910	13	7	48	0.1	10	10	21	2.15	199	38
154	65.64580	-148.36350	17	9	66	0.1	10	11	26	2.98	478	42
155	65.44700	-148.08690	29	13	61	0.2	10	10	31	3.26	368	49
157	65.44560	-148.09430	38	12	97	0.1	10	25	51	4.11	10500	87
159	65.43890	-148.09460	35	9	90	0.1	10	18	43	4.06	1450	56
160	65.44330	-148.11070	21	11	58	0.1	10	12	26	3.26	486	53
161	65.44290	-148.10620	18	9	52	0.1	10	10	22	3.19	453	44
162	65.44020	-148.10740	33	12	82	0.1	10	18	38	4.1	778	54
164	65.43610	-148.10580	35	12	97	0.1	10	20	49	4.86	1160	64
165	65.31160	-148.10730	30	17	63	0.1	10	14	23	3.25	793	16
167	65.30980	-148.09600	23	15	60	0.1	10	12	25	2.77	789	26
168	65.34150	-148.05410	21	14	82	0.1	10	12	26	2.87	549	27
168	65.34150	-148.05410	31	13	150	0.8	10	10	33	2.75	424	22
169	65.34000	-148.04990	28	13	134	0.7	10	10	28	2.49	489	17
170	65.33840	-148.04620	41	16	138	0.8	10	10	32	2.6	235	17
171	65.33850	-148.05010	43	17	136	1	10	10	32	2.57	288	20
172	65.33630	-148.04380	40	17	134	1	10	10	31	2.44	909	21
173	65.33420	-148.03960	39	16	152	1	10	10	38	2.63	633	24
174	65.31610	-148.18570	7	8	28	0.1	10	10	16	1.41	102	28
175	65.31420	-148.19200	12	15	47	0.1	10	10	21	3.13	155	32
176	65.31600	-148.19130	13	17	40	0.1	10	11	21	5.65	634	31
178	65.31300	-148.19780	16	12	46	0.1	10	10	21	2.78	334	35
179	65.31180	-148.20240	15	13	48	0.2	10	10	21	2.74	291	34
180	65.31010	-148.20710	17	14	55	0.1	10	12	21	2.9	487	33
181	65.30800	-148.21470	17	13	58	0.2	10	11	22	2.8	440	30
182	65.30610	-148.22210	21	14	52	0.1	10	10	20	2.95	347	31
184	65.30280	-148.23150	26	23	87	0.2	10	12	34	3.7	624	40
186	65.29990	-148.24770	14	12	49	0.1	10	10	18	2.42	256	27
187	65.38910	-148.37220	15	14	54	0.1	10	10	20	2.73	346	29
189	65.39410	-148.34940	15	12	44	0.1	10	10	15	2.5	260	24
190	65.39410	-148.35240	14	12	43	0.1	10	10	14	2.45	261	22
192	65.36820	-148.20850	27	16	85	0.3	10	21	28	3.37	1930	34
193	65.43930	-148.31820	33	30	88	0.9	43	10	16	2.63	236	26
195	65.44200	-148.31660	29	34	121	0.8	11	13	22	2.93	1060	30
196	65.44520	-148.31660	32	25	105	0.6	19	24	21	3.12	2240	35
197	65.44800	-148.31930	30	24	102	0.5	12	11	21	2.91	739	35
198	65.45100	-148.32490	30	27	9	0.6	11	12	20	2.8	812	30
200	65.64360	-148.84340	12	9	42	0.1	5	10	15	1.94	139	30
201	65.50770	-148.68510	23	9	70	0.1	12	12	20	2.99	406	33
203	65.59730	-148.19030	30	8	7	0.1	14	11	23	3.3	314	36
206	65.65090	-148.64090	26	9	71	0.1	0	1	21	3.34	363	32
208	65.65590	-148.63880	20	7	57	0.1	10	10	18	2.43	179	31
208	65.65410	-148.63630	21	8	61	0.1	9	0	19	2.78	331	33
209	65.65600	-148.62930	21	9	75	0.1	12	13	22	3.1	599	34
210	65.73800	-148.58620	32	12	84	0.1	15	14	28	3.8	733	39
212	65.73570	-148.59450	34	10	77	0.1	12	13	25	3.46	565	37
214	65.73770	-148.59330	32	11	81	0.1	25	13	26	3.34	484	39

LIVENGODD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGODD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	Au	Co	Ni	Po	Mn	Cr
215	65.73400	-148.60080	30	9	72	0.1	12	11	22	3.25	460	37
216	65.73160	-148.60500	23	8	84	0.1	6	10	19	2.98	349	35
217	65.73140	-148.61000	28	9	77	0.1	16	12	21	3.35	317	36
218	65.72900	-148.61020	31	8	75	0.1	18	14	22	3.98	431	40
220	65.72840	-148.61930	30	8	73	0.1	19	15	22	4.05	583	40
223	65.69770	-148.63070	25	8	69	0.1	22	10	21	2.89	432	34
224	65.69330	-148.63200	22	8	57	0.1	23	10	18	2.51	336	30
226	65.69900	-148.65590	20	10	59	0.1	23	10	19	2.61	306	34
227	65.64670	-148.91810	38	12	90	0.3	23	15	24	3.97	866	38
229	65.64420	-148.92040	41	10	81	0.1	4	10	23	3.48	506	37
230	65.64160	-148.92590	55	13	101	0.2	7	15	27	5.25	642	36
231	65.63910	-148.93260	49	12	91	0.1	28	13	24	4.4	585	36
233	65.63670	-148.93590	38	10	72	0.1	27	10	20	3.64	360	33
234	65.63480	-148.94100	34	10	66	0.1	21	11	20	3.22	529	35
235	65.63770	-148.90040	19	11	63	0.1	24	11	18	2.83	472	36
237	65.63980	-148.90180	17	8	57	0.1	29	10	18	2.66	373	35
238	65.54000	-148.90570	23	10	66	0.1	30	12	21	3.13	614	32
240	65.54410	-148.90430	19	11	63	0.1	31	10	18	2.82	505	36
241	65.54260	-148.90800	27	12	78	0.1	33	13	37	3.46	587	53
242	65.54750	-148.90570	21	11	63	0.1	27	10	30	2.72	318	49
243	65.54670	-148.91030	20	9	59	0.1	28	10	30	2.5	271	45
244	65.55090	-148.90730	22	9	65	0.1	31	10	33	2.85	398	50
245	65.55470	-148.98900	19	8	71	0.1	31	11	32	3.13	741	49
246	65.55180	-148.99060	23	8	87	0.1	34	14	37	3.73	847	55
247	65.53870	-148.93060	23	9	65	0.1	33	10	30	2.79	376	47
248	65.54060	-148.93500	22	10	66	0.1	31	10	29	2.86	397	48
249	65.54330	-148.93720	21	9	66	0.1	27	10	28	2.8	367	46
250	65.54590	-148.93890	20	9	65	0.1	19	10	29	2.77	346	47
251	65.54860	-148.94220	21	9	65	0.1	18	10	28	2.75	364	42
252	65.54860	-148.94220	19	9	63	0.1	19	10	27	2.67	349	41
254	65.31000	-148.89330	22	8	62	0.1	26	10	29	2.79	543	43
255	65.31260	-148.89600	21	10	65	0.1	19	10	29	3.02	678	44
256	65.31580	-148.89600	18	9	62	0.1	19	10	27	2.88	808	42
257	65.31810	-148.90320	22	11	77	0.1	23	12	30	3.91	1000	44
258	65.32130	-148.90710	19	9	66	0.1	19	10	25	2.82	875	39
259	65.32360	-148.91050	23	11	78	0.1	22	12	29	3.43	1550	45
260	65.32690	-148.91170	23	9	55	0.1	21	11	27	2.88	442	43
261	65.32800	-148.91490	20	9	57	0.1	30	10	25	2.79	410	41
262	65.33890	-148.87610	20	9	66	0.1	20	10	26	2.77	357	45
263	65.34230	-148.87930	22	9	67	0.1	19	10	26	2.88	289	45
264	65.34270	-148.88870	16	8	52	0.1	21	10	22	2.43	330	37
265	65.34450	-148.88440	20	9	63	0.1	29	10	28	2.93	504	44
266	65.34730	-148.88210	26	9	69	0.1	28	11	30	3.09	548	41
270	65.28100	-148.64390	22	10	68	0.1	10	12	73	3	579	123
274	65.25740	-148.55730	26	8	77	0.1	12	11	73	2.54	1010	122
275	65.25590	-148.54940	0	5	0	0.1	2	3	0	0	0	0
276	65.25510	-148.54070	18	9	53	0.1	10	11	70	2.88	423	120
277	65.25370	-148.53340	28	9	59	0.1	10	12	72	3.11	496	121
278	65.27620	-148.57150	25	11	63	0.1	10	12	74	2.76	506	120
279	65.27520	-148.57130	25	8	67	0.1	10	12	72	2	864	122
281	65.27600	-148.56370	23	9	66	0.1	10	13	73	3.07	1240	125
282	65.27750	-148.55510	21	8	62	0.1	10	12	69	2.9	961	117
311	65.30380	-148.29660	26	13	82	0.2	10	12	67	2.77	476	112
313	65.35520	-148.00060	30	13	86	0.2	10	13	73	3.02	578	118
315	65.35390	-147.99990	29	18	101	0.1	10	20	79	3.64	1220	120
317	65.35120	-148.00600	27	13	87	0.2	10	14	76	3.27	712	117
318	65.34870	-148.01120	26	12	86	0.2	10	14	78	3.19	962	117
319	65.34470	-148.01450	20	12	73	0.2	10	13	71	3.23	615	111
320	65.34170	-148.01700	20	15	66	0.1	10	17	71	3.17	858	116
321	65.33900	-148.02380	24	10	84	0.4	10	11	69	2.54	402	119
323	65.33720	-148.02340	17	10	80	0.2	10	12	67	2.61	545	116
324	65.33440	-148.02570	26	13	84	0.3	10	14	71	3	647	116
326	65.33020	-148.03430	28	14	80	0.4	10	14	78	2.86	631	114
350	65.61940	-148.64050	25	12	83	0.1	10	11	63	3.34	268	118
351	65.56750	-148.29970	0	9	44	0.1	10	10	22	2.38	156	36
352	65.56470	-148.30650	0	8	41	0.1	10	10	21	2.66	171	34
353	65.56210	-148.31240	0	9	44	0.1	10	10	14	2.27	300	26
354	65.55680	-148.32220	0	9	47	0.1	10	10	16	2.13	178	27
356	65.55280	-148.33240	0	9	43	0.1	12	10	14	3.35	197	20
357	65.55180	-148.34080	0	10	61	0.1	10	13	20	2.97	468	32
358	65.54990	-148.35470	0	8	57	0.1	10	10	18	2.44	391	26
359	65.55300	-148.35410	0	9	54	0.1	10	9	18	2.18	211	25
360	65.50210	-148.33870	0	11	70	0.1	10	9	24	2.77	575	32
361	65.49950	-148.33590	26	11	55	0.1	10	9	21	2.24	803	28
362	65.49490	-148.33270	25	11	124	0.2	10	14	92	3.14	427	101

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Cd	Ni	Fe	Mn	Cr
363	65.49240	-148.33200	30	13	85	0.2	10	16	98	3.39	677	55
364	65.48920	-148.33220	31	12	77	0.2	10	11	44	2.61	257	50
366	65.48440	-148.33430	33	8	80	0.5	10	19	59	2.37	2860	26
367	65.48010	-148.33850	50	21	116	0.1	10	18	47	3.92	1540	54
368	65.47710	-148.34590	32	13	105	0.1	10	18	43	4	3080	44
369	65.47460	-148.35230	29	10	108	0.1	10	15	32	2.77	1120	38
370	65.47230	-148.35910	32	11	103	0.1	10	13	39	2.64	957	43
371	65.46800	-148.36370	27	10	71	0.1	10	10	27	2.11	521	34
374	65.41850	-148.50000	25	10	61	0.2	10	18	20	2.47	1320	33
375	65.41290	-148.50030	23	10	69	0.1	10	14	24	2.87	672	42
381	65.40910	-148.44520	25	22	98	0.2	10	15	21	2.84	1600	35
382	65.41100	-148.43440	24	16	89	0.1	10	16	24	3.09	1180	40
383	65.42050	-148.52590	58	11	77	0.2	42	10	17	2.23	202	30
386	65.42060	-148.53810	570	16	53	0.9	77	10	23	3.14	223	37
387	65.42090	-148.54620	266	13	46	0.4	63	10	22	2.89	190	33
388	65.42090	-148.55360	178	12	45	0.2	67	10	21	3.01	237	33
389	65.41950	-148.56210	151	11	42	0.1	66	10	22	3.09	251	33
391	65.41980	-148.57080	108	10	48	0.1	47	12	23	2.96	315	34
392	65.42170	-148.58050	128	15	63	0.1	85	18	31	3.92	636	41
393	65.34500	-148.53060	32	28	106	1.2	10	10	31	2.6	1540	26
394	65.34180	-148.52500	23	18	86	0.3	10	11	30	2.58	855	32
396	65.33900	-148.51970	23	16	94	0.2	10	10	30	2.59	582	28
397	65.33610	-148.51570	23	15	86	0.2	10	10	28	2.81	961	28
398	65.33190	-148.50960	22	10	67	0.1	10	10	23	2.49	561	28
400	65.39100	-148.44350	28	14	105	0.2	10	11	20	2.69	305	34
401	65.39500	-148.42980	23	12	63	0.3	10	10	19	2.38	544	35
402	65.39200	-148.42860	28	13	100	0.2	10	14	23	2.95	788	39
403	65.38960	-148.42550	26	11	71	0.2	10	12	23	2.94	524	37
404	65.38720	-148.42220	22	10	62	0.1	10	11	22	2.66	467	33
406	65.38470	-148.41760	22	12	72	0.1	10	11	20	2.63	519	32
412	65.52100	-148.68780	35	14	53	0.2	10	45	19	2.15	3440	24
413	65.52140	-148.68320	44	12	65	0.1	10	13	16	2.56	609	30
414	65.52100	-148.67980	48	10	74	0.2	10	10	17	2.34	297	29
416	65.51980	-148.67140	38	12	80	0.2	10	10	19	2.67	238	33
417	65.51900	-148.66370	59	14	121	0.2	10	0	0	0	0	0
418	65.51860	-148.65250	31	14	73	0.2	10	0	0	0	0	0
422	65.48690	-148.93180	34	14	74	0.1	10	0	0	0	0	0
423	65.48480	-148.92880	37	11	83	0.1	10	0	0	0	0	0
425	65.48260	-148.92400	64	11	91	0.1	10	0	0	0	0	0
426	65.48120	-148.92100	59	11	87	0.1	10	0	0	0	0	0
427	65.47860	-148.91790	48	11	76	0.1	10	0	0	0	0	0
428	65.47850	-148.91540	49	12	86	0.2	10	0	0	0	0	0
430	65.47410	-148.91200	44	12	77	0.1	10	0	0	0	0	0
431	65.47160	-148.90730	43	12	69	0.1	10	0	0	0	0	0
432	65.46910	-148.90540	59	13	72	0.2	10	0	0	0	0	0
434	65.46660	-148.89760	45	12	97	0.1	10	18	33	3.38	1220	43
435	65.58700	-148.50680	63	20	124	0.6	12	48	54	4.26	3546	71
436	65.58580	-148.51130	34	14	21	0.1	10	17	29	3.18	1090	40
438	65.58450	-148.51800	28	13	60	0.1	10	16	28	2.83	599	41
439	65.58350	-148.52370	24	11	54	0.1	10	10	27	2.23	415	38
440	65.58320	-148.52880	26	12	64	0.1	10	15	30	3.11	1010	39
441	65.58220	-148.53560	24	11	63	0.1	10	18	28	2.98	1300	38
443	65.58130	-148.54300	18	9	58	0.1	10	10	26	2.64	445	34
444	65.58080	-148.54840	16	10	56	0.1	10	12	23	2.61	661	34
445	65.57970	-148.55760	26	15	70	0.1	10	17	29	3.65	966	36
446	65.57880	-148.56330	19	11	57	0.1	10	15	23	2.84	904	34
448	65.57740	-148.57140	23	12	64	0.1	10	11	25	3.04	481	38
449	65.50920	-148.42670	38	6	75	0.1	104	27	402	3.13	1170	173
450	65.51110	-148.42540	26	7	57	0.1	120	41	737	4.31	713	382
451	65.51410	-148.41820	28	7	73	0.1	10	32	450	4.09	703	305
453	65.51370	-148.43250	25	8	72	0.1	10	20	177	3.06	499	179
454	65.51760	-148.42620	39	8	86	0.1	10	23	236	3.17	651	204
455	65.52000	-148.41820	23	10	73	0.1	10	12	30	3.15	725	38
457	65.52140	-148.40420	19	9	63	0.1	10	10	26	2.52	549	38
458	65.52220	-148.42660	25	8	70	0.1	10	17	155	3.01	511	160
459	65.52560	-148.42890	42	11	70	0.1	47	16	127	3.31	558	138
460	65.52940	-148.42740	33	10	59	0.1	39	11	84	2.66	412	96
462	65.53340	-148.43120	42	16	82	0.1	39	16	103	3.57	597	114
463	65.53190	-148.40800	22	10	68	0.1	10	10	22	2.73	363	30
464	65.53190	-148.39480	54	19	84	0.3	31	10	19	2.29	280	30
465	65.53290	-148.39740	31	13	105	0.1	15	10	21	1.4	505	20
466	65.53290	-148.40210	46	12	146	0.1	33	10	32	1.92	512	40
468	65.53140	-148.40930	23	9	17	0.1	10	10	22	2.96	474	31
469	65.53100	-148.41560	17	8	69	0.1	10	10	19	2.55	363	34
470	65.60370	-148.48840	9	9	52	0.1	10	10	11	2.49	417	28

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Co	Ni	Fe	Mn	Cr
471	65.60630	-148.48870	12	8	54	0.1	10	10	13	2.23	217	27
472	65.60920	-148.48940	15	8	60	0.1	10	11	17	2.58	497	30
473	65.61200	-148.48710	22	10	73	0.1	10	11	32	3.22	548	50
474	65.61490	-148.48500	16	8	62	0.1	10	10	22	2.7	408	40
475	65.61710	-148.48620	12	7	60	0.1	10	10	18	2.45	326	35
476	65.62000	-148.48840	12	8	60	0.1	10	10	18	2.47	341	36
477	65.62080	-148.49920	13	8	60	0.1	10	10	17	2.39	319	33
478	65.66000	-148.22340	9	10	31	0.1	10	10	10	1.66	134	26
479	65.55900	-148.21800	16	9	29	0.1	10	10	10	1.71	136	26
481	65.55780	-148.21150	30	11	54	0.1	10	10	15	2.48	156	34
482	65.55670	-148.20570	31	9	53	0.1	10	10	15	2.79	304	29
483	65.55480	-148.19910	17	10	61	0.1	10	10	16	2.95	223	29
484	65.55070	-148.19890	15	8	35	0.1	10	10	10	1.59	80	22
485	65.55350	-148.19180	18	9	63	0.1	10	10	16	2.61	359	33
486	65.55340	-148.18570	17	9	63	0.1	10	10	15	2.47	389	29
487	65.55220	-148.17800	17	8	60	0.1	10	10	14	2.4	416	30
488	65.52970	-148.16770	31	14	73	0.1	10	15	28	3.38	1090	56
490	65.52950	-148.16080	40	14	67	0.1	10	18	26	2.17	1100	42
491	65.52910	-148.15510	31	9	87	0.1	10	14	30	3.07	830	44
492	65.52910	-148.14790	25	10	71	0.1	10	15	28	3.23	1640	41
493	65.52790	-148.14060	20	11	80	0.1	10	18	33	3.23	1450	46
494	65.52620	-148.13510	21	12	88	0.1	10	31	27	3.26	4600	32
495	65.50430	-148.01930	12	9	55	0.1	10	10	18	2.57	370	46
496	65.50460	-148.01350	9	8	49	0.1	10	10	16	2.23	232	30
498	65.50570	-148.01640	12	18	56	0.1	10	10	19	2.57	363	37
500	65.50680	-148.02240	14	8	62	0.1	10	10	22	2.81	428	39
501	65.50810	-148.02830	14	9	59	0.1	10	10	21	2.77	381	42
502	65.50910	-148.03280	19	11	67	0.1	10	14	23	3.1	465	40
504	65.51180	-148.03900	18	8	72	0.1	10	11	27	3.07	517	39
505	65.51420	-148.04290	19	8	73	0.1	10	10	27	3.26	565	46
506	65.51510	-148.05020	20	9	78	0.1	10	12	30	3.47	638	45
507	65.51720	-148.05720	19	9	79	0.1	10	13	31	3.31	741	43
508	65.51840	-148.06130	16	9	75	0.1	10	10	28	2.8	583	40
509	65.51540	-148.06790	14	8	74	0.1	10	10	27	2.75	461	37
510	65.34260	-148.10770	13	26	30	0.3	10	10	11	1.93	49	28
511	65.34410	-148.10990	44	17	43	0.3	10	11	20	3.55	382	36
512	65.34620	-148.11270	36	16	41	0.2	10	12	20	3.33	373	34
513	65.34890	-148.11670	33	16	43	0.1	10	10	20	2.77	228	32
515	65.35220	-148.12300	31	18	105	0.1	10	24	30	3.93	799	27
516	65.35440	-148.13300	36	24	128	0.1	25	17	32	4.36	637	17
517	65.35640	-148.13990	24	20	81	0.1	10	13	22	3.34	599	27
518	65.36420	-148.05980	31	18	39	0.4	10	10	19	1.81	64	31
519	65.36540	-148.06590	32	13	95	0.5	10	21	47	2.67	815	44
520	65.36430	-148.07210	29	20	141	0.4	10	15	42	2.55	682	36
522	65.36290	-148.08440	41	26	104	0.2	10	14	30	3.85	628	20
523	65.36380	-148.09100	35	24	97	0.2	10	13	27	3.71	586	19
524	65.36450	-148.09640	35	25	98	0.2	10	13	27	3.85	663	21
526	65.38870	-148.27340	37	23	62	0.3	10	11	22	3.26	461	36
527	65.38490	-148.27420	27	24	64	0.2	10	11	24	2.87	419	33
529	65.37910	-148.27060	33	23	85	0.2	10	14	38	3.25	1650	43
531	65.37460	-148.26870	25	24	69	0.1	40	11	25	3.3	519	38
532	65.37140	-148.26950	24	17	63	0.1	10	11	22	3.37	506	32
534	65.36430	-148.27760	19	16	10	0.1	10	11	22	2.87	545	29
535	65.36170	-148.28120	28	22	16	0.1	10	16	30	4.73	664	39
536	65.35830	-148.28450	29	23	71	0.1	10	14	25	3.71	616	36
538	65.35520	-148.28760	24	18	63	0.1	10	11	22	3.05	438	31
539	65.35070	-148.29200	18	17	61	0.1	10	11	21	3.01	16800	30
540	65.37930	-148.39320	21	23	78	0.1	10	16	24	3.6	729	37
542	65.37880	-148.18910	18	20	58	0.1	10	11	19	2.6	456	30
544	65.45200	-148.29550	28	32	111	0.3	11	31	32	5.17	4950	36
545	65.45470	-148.29610	27	28	113	0.2	13	38	36	5.31	6140	36
546	65.45670	-148.29690	29	32	132	0.2	12	51	39	5.71	8590	33
547	65.45930	-148.29880	17	20	64	0.1	10	11	23	3.1	598	35
549	65.64870	-148.81920	20	8	63	0.1	10	10	21	2.35	292	36
550	65.65070	-148.82440	18	8	68	0.1	10	10	24	2.68	345	36
551	65.65370	-148.82920	20	8	74	0.1	10	11	27	3.02	406	39
552	65.65290	-148.82490	22	9	70	0.1	10	10	27	2.92	433	42
553	65.65560	-148.82820	24	10	92	0.2	10	15	30	3.55	1450	44
554	65.65720	-148.83360	19	9	72	0.1	10	10	24	2.68	670	39
556	65.66060	-148.83890	27	8	81	0.1	10	10	29	2.85	420	40
558	65.66600	-148.83670	22	8	72	0.1	10	11	26	2.84	675	40
559	65.66850	-148.83740	21	8	74	0.1	10	10	26	2.86	511	40
560	65.67120	-148.83600	14	6	63	0.1	10	10	22	2.61	407	38
561	65.67360	-148.83100	17	7	62	0.1	10	10	23	2.6	312	37
563	65.67550	-148.82680	16	8	62	0.1	10	10	23	2.7	387	40

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Co	Ni	Fe	Mn	Cr
564	65.67960	-148.82240	22	7	69	0.1	10	11	64	2.83	441	128
565	65.65200	-148.89410	42	11	73	0.2	12	12	25	3.39	649	47
567	65.65500	-148.88320	23	11	68	0.1	27	10	25	2.9	388	36
568	65.65720	-148.88040	22	10	60	0.1	29	10	24	2.72	375	35
569	65.66150	-148.87950	22	10	64	0.1	30	10	23	2.82	301	41
570	65.68930	-148.67490	18	9	58	0.1	28	10	22	2.71	333	39
571	65.69250	-148.67420	19	8	59	0.1	27	10	23	2.66	312	36
573	65.69480	-148.67460	25	9	67	0.1	28	10	25	2.84	435	38
574	65.69800	-148.67530	20	9	65	0.1	27	10	23	2.88	336	40
576	65.70120	-148.67460	26	10	64	0.1	27	10	24	2.65	191	29
577	65.74110	-148.50280	48	13	77	0.1	28	12	29	3.42	574	38
579	65.73500	-148.51830	43	9	101	0.1	22	41	35	5.23	4800	57
580	65.73750	-148.50620	33	12	63	0.1	26	16	23	4.14	579	38
581	65.73430	-148.51010	42	9	119	0.1	22	18	38	5.12	521	59
583	65.73060	-148.51210	46	9	178	0.1	24	25	36	6.03	1620	55
584	65.56810	-148.80830	24	10	86	0.2	10	15	27	3.66	1840	37
585	65.56920	-148.81340	18	8	65	0.1	10	10	25	2.75	290	39
586	65.57030	-148.82130	26	10	117	0.2	22	41	39	5.26	6930	40
587	65.56880	-148.82570	20	9	62	0.1	10	10	26	2.83	316	41
588	65.57130	-148.82840	22	9	72	0.2	10	10	28	2.94	368	39
589	65.57060	-148.83600	23	10	70	0.1	10	10	27	2.83	567	38
591	65.57520	-148.83310	19	8	61	0.1	10	10	24	2.56	545	36
593	65.57890	-148.83420	24	9	72	0.1	10	11	27	2.94	699	40
594	65.57510	-148.78420	19	9	63	0.1	10	10	25	2.95	370	41
595	65.57910	-148.77910	23	8	65	0.1	10	11	27	2.98	471	40
596	65.58030	-148.78520	18	8	63	0.1	10	10	26	2.94	389	42
597	65.58200	-148.78800	22	8	65	0.1	13	10	26	2.84	386	41
598	65.58380	-148.79110	19	7	63	0.1	10	10	26	2.75	356	40
600	65.66570	-148.87710	19	9	59	0.1	26	10	22	2.67	325	38
601	65.66910	-148.87250	18	7	68	0.1	25	10	23	2.97	330	38
602	65.67230	-148.86880	17	7	62	0.1	23	10	22	2.84	369	41
603	65.67380	-148.87180	20	10	60	0.1	27	10	24	2.7	338	36
604	65.67640	-148.87550	17	8	59	0.1	27	40	22	2.62	317	38
605	65.67930	-148.88240	21	8	62	0.1	24	10	23	2.59	291	37
607	65.25490	-148.95710	14	12	50	0.1	10	10	17	2.74	208	32
608	65.25800	-148.95290	16	14	53	0.1	10	10	17	2.76	258	34
610	65.25230	-148.96150	12	9	44	0.1	10	10	14	2.19	183	29
611	65.25170	-148.96980	15	11	55	0.1	23	15	21	4.98	806	40
612	65.25150	-148.98300	16	12	59	0.1	19	15	19	5.08	960	38
614	65.26960	-148.85340	31	87	198	0.8	62	10	14	2.73	418	29
616	65.26630	-148.84380	35	84	223	0.8	66	10	18	2.74	490	36
618	65.27280	-148.84950	41	24	95	0.4	73	15	46	3.61	2671	79
701	65.44870	-148.80080	48	13	107	0.7	10	14	102	3.78	571	92
702	65.44600	-148.80090	48	12	114	0.7	10	12	100	3.07	1040	74
703	65.43880	-148.80150	42	12	114	0.4	10	12	80	3.09	579	56
704	65.43540	-148.80160	44	11	99	0.4	10	12	78	2.97	478	57
705	65.43100	-148.80060	50	12	90	0.4	10	13	77	3.16	462	62
706	65.42700	-148.80240	36	10	74	0.2	10	10	67	2.55	198	56
707	65.42370	-148.79860	31	8	64	0.2	10	10	59	2.24	180	57
709	65.59420	-148.27400	33	10	70	0.2	10	13	69	3.26	406	60
710	65.59200	-148.27950	15	10	53	0.1	23	11	23	2.81	437	32
711	65.58950	-148.28750	23	14	64	0.2	24	66	27	4.24	7100	26
712	65.58840	-148.29450	22	9	60	0.1	10	12	34	3.15	360	44
714	65.58770	-148.30260	20	9	58	0.1	10	10	28	2.86	344	37
715	65.58720	-148.31060	19	9	56	0.1	10	10	26	2.53	308	35
716	65.58880	-148.32000	18	9	56	0.1	10	10	26	2.43	276	33
717	65.58960	-148.32540	20	8	59	0.1	10	10	31	2.59	310	36
719	65.58980	-148.33550	19	9	58	0.1	10	10	28	2.49	316	33
720	65.58870	-148.34260	19	9	66	0.1	10	10	30	2.65	380	36
721	65.58750	-148.34810	19	9	71	0.1	10	14	36	3.47	507	45
722	65.58620	-148.35480	22	10	74	0.1	10	11	32	2.96	432	42
723	65.58330	-148.36110	19	10	72	0.1	10	10	22	2.36	390	48
724	65.57950	-148.36510	22	11	71	0.1	10	11	23	2.47	422	41
725	65.57570	-148.37250	19	10	72	0.1	10	10	22	2.34	376	39
726	65.57430	-148.37900	16	10	62	0.1	10	10	20	2.03	248	38
727	65.53960	-148.22070	16	15	56	0.2	63	14	20	6.87	386	39
728	65.53800	-148.22680	17	14	59	0.1	21	10	21	3.93	209	38
729	65.53690	-148.23480	14	10	53	0.1	10	10	18	2.2	188	31
730	65.53580	-148.24290	12	10	50	0.1	10	10	18	2.35	135	35
731	65.53410	-148.25410	14	10	49	0.1	10	10	17	2.04	129	31
732	65.53250	-148.26330	21	11	60	0.1	10	10	20	2.52	326	39
733	65.53010	-148.26880	12	8	46	0.1	10	10	15	1.67	122	32
734	65.52670	-148.27350	13	8	45	0.1	10	10	15	1.66	116	31
736	65.52290	-148.28030	18	9	56	0.1	10	10	17	2.01	184	34
738	65.52160	-148.28700	22	10	68	0.1	10	10	18	2.56	285	27

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	Al	Ca	Ni	Fe	Mn	Cr
739	85.51980	-148.29440	23	10	70	0.1	10	10	18	2.71	343	32
740	85.51870	-148.30800	22	10	88	0.1	10	10	18	2.58	330	31
741	85.52040	-148.32110	23	10	71	0.1	10	10	18	2.62	345	33
742	85.38990	-148.50890	32	84	259	2	13	15	23	1.91	4770	28
743	85.38960	-148.50200	27	67	188	2.1	10	15	24	2.38	957	39
745	85.39120	-148.49920	22	79	173	1.4	10	36	22	2.64	2730	39
746	85.39230	-148.49560	14	33	105	0.6	10	13	19	2.4	630	36
747	85.39340	-148.49100	19	31	101	0.6	10	12	22	2.79	629	38
748	85.39420	-148.48630	26	37	97	0.4	10	17	21	2.76	1100	38
749	85.39590	-148.48800	27	98	169	1.5	15	28	26	3.35	1810	44
751	85.40010	-148.48200	23	39	130	0.5	10	18	25	2.88	969	38
752	85.39010	-148.47990	29	28	73	0.3	10	24	24	3.14	1250	36
753	85.40630	-148.49750	44	72	246	0.3	33	33	64	6.13	2560	110
754	85.40270	-148.48300	19	12	81	0.1	10	10	20	2.25	375	29
755	85.40290	-148.47840	39	31	132	0.2	11	19	34	3.83	1040	48
757	85.40330	-148.46740	42	12	76	0.3	10	22	28	2.58	2930	32
758	85.40510	-148.46030	17	21	83	0.2	10	14	22	2.77	788	37
759	85.40670	-148.45150	25	20	128	0.2	10	19	28	3.36	2560	37
760	85.43970	-148.47930	32	22	94	0.4	10	14	28	3.36	1630	34
761	85.44060	-148.48330	23	27	90	0.2	10	11	22	2.7	523	35
762	85.44390	-148.48250	25	23	93	0.2	10	13	24	2.71	861	34
764	85.44590	-148.49100	24	25	91	0.2	10	13	24	2.61	1160	30
765	85.44140	-148.47020	22	50	91	0.2	10	10	21	2.63	548	32
767	85.44310	-148.45960	21	50	98	0.2	10	13	23	2.7	922	32
768	85.44740	-148.44960	32	41	85	0.4	98	18	24	3.56	969	34
770	85.45050	-148.44220	34	38	87	0.3	114	14	25	3.83	801	36
771	85.45340	-148.43410	25	31	77	0.1	47	12	22	2.86	618	32
772	85.45250	-148.42680	20	17	97	0.1	10	17	24	3.09	1860	30
773	85.45540	-148.42400	26	33	86	0.2	53	13	23	3.04	685	36
775	85.45880	-148.42200	24	30	86	0.2	43	12	23	2.98	728	34
776	85.46210	-148.42150	25	32	94	0.2	36	13	24	2.92	677	37
777	85.46520	-148.41850	24	33	93	0.1	30	14	25	2.89	807	36
778	85.46810	-148.41620	23	17	80	0.1	14	12	28	2.77	674	40
780	85.35420	-148.56560	37	26	141	0.9	72	12	31	2.64	870	37
781	85.35090	-148.56400	33	49	150	1.3	53	13	29	2.99	1980	37
782	85.34910	-148.56000	29	63	180	1.2	15	10	28	2.2	780	28
783	85.34730	-148.56270	26	37	127	0.8	17	10	23	2.16	787	27
784	85.34460	-148.56180	19	29	104	0.5	10	10	20	2.14	621	26
785	85.34210	-148.56070	24	25	101	0.4	108	11	23	2.32	617	29
786	85.33880	-148.55900	20	16	90	0.2	10	10	28	2.2	780	28
787	85.33560	-148.55790	21	16	89	0.2	10	10	21	2.28	931	28
788	85.33250	-148.56110	21	17	100	0.3	10	10	23	2.17	823	26
789	85.33140	-148.55620	21	23	94	0.3	10	11	28	2.69	999	33
790	85.32750	-148.55410	15	19	72	0.2	10	10	19	2.06	319	26
791	85.32580	-148.55730	22	19	72	0.1	10	10	19	2.17	217	25
792	85.32620	-148.56520	23	18	74	0.1	10	10	20	2.24	219	25
793	85.32420	-148.54970	21	15	88	0.2	10	10	21	2.38	581	28
794	85.32300	-148.55030	20	8	57	0.1	10	12	19	2.35	937	27
795	85.32180	-148.54190	17	9	79	0.1	10	11	23	2.24	819	23
796	85.32000	-148.53590	18	9	73	0.1	10	10	20	2.33	846	29
797	85.31790	-148.53090	17	11	78	0.1	10	11	20	2.3	808	24
799	85.51700	-148.74060	36	15	71	0.1	10	18	22	3.17	1160	30
801	85.51890	-148.73740	25	12	54	0.1	10	10	15	2.74	552	29
802	85.52000	-148.74210	27	12	52	0.1	10	10	15	2.51	553	31
803	85.52210	-148.74700	37	14	80	0.1	10	13	23	3.91	660	43
804	85.52410	-148.74590	33	15	78	0.1	10	17	24	3.51	1910	41
805	85.52890	-148.75570	21	9	61	0.1	10	10	17	2.51	470	29
806	85.52830	-148.76110	32	11	75	0.1	10	15	23	3.39	923	39
807	85.52920	-148.76630	25	12	65	0.1	10	10	18	2.72	485	31
808	85.52810	-148.77330	25	11	63	0.1	10	11	17	2.58	827	28
812	85.55030	-148.79880	21	10	65	0.1	10	10	21	2.94	686	37
813	85.55000	-148.79110	18	10	67	0.1	10	10	22	2.77	578	35
814	85.54850	-148.78370	18	10	72	0.1	10	10	22	2.8	563	37
815	85.54730	-148.77650	16	8	68	0.1	10	10	20	2.59	543	36
816	85.54540	-148.76940	17	7	65	0.1	10	10	21	2.74	518	36
817	85.54180	-148.76590	16	8	59	0.1	10	10	18	2.45	420	32
819	85.49100	-148.83390	20	9	56	0.2	10	42	19	2.01	4400	23
820	85.49060	-148.84010	14	9	75	0.1	10	65	17	2.36	6530	25
822	85.48090	-148.84680	22	9	61	0.1	10	10	18	2.17	523	37
823	85.48300	-148.85300	30	10	75	0.2	10	13	24	2.64	904	42
824	85.47390	-148.86880	33	36	1030	0.1	10	10	45	2.02	537	35
825	85.47530	-148.86740	36	31	978	0.2	10	10	42	1.71	553	26
826	85.47510	-148.88860	28	25	730	0.1	10	10	33	1.52	369	28
827	85.47300	-148.88650	28	22	794	0.1	10	10	31	1.52	369	29
828	85.46910	-148.88330	26	9	86	0.1	10	11	43	2.98	563	45

LIVENGODD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGODD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	Au	Co	Ni	Pb	Mn	Cr
829	65.55340	-148.61770	15	10	60	0.1	10	0	0	0	0	0
831	65.55300	-148.61460	12	8	62	0.1	10	0	0	0	0	0
832	65.55590	-148.61860	11	7	58	0.1	10	0	0	0	0	0
833	65.55760	-148.62460	14	8	56	0.1	10	0	0	0	0	0
834	65.56010	-148.62610	12	8	60	0.1	10	0	0	0	0	0
835	65.56320	-148.62210	21	9	59	0.1	10	0	0	0	0	0
836	65.56450	-148.62350	11	7	58	0.1	10	0	0	0	0	0
837	65.56850	-148.62040	13	8	67	0.1	10	0	0	0	0	0
838	65.54830	-148.63250	17	11	74	0.1	10	0	0	0	0	0
840	65.55180	-148.63480	15	9	62	0.1	10	0	0	0	0	0
841	65.55460	-148.63920	16	9	65	0.1	10	0	0	0	0	0
842	65.55780	-148.63990	14	7	72	0.1	10	0	0	0	0	0
843	65.56140	-148.64340	14	8	76	0.1	10	0	0	0	0	0
844	65.56500	-148.64600	14	8	69	0.1	10	0	0	0	0	0
845	65.56780	-148.65260	15	8	63	0.1	10	10	19	2.62	483	31
846	65.50200	-148.40070	23	6	40	0.1	10	10	17	2.74	186	36
847	65.50240	-148.39440	28	10	62	0.1	10	38	42	5.67	1380	69
848	65.50290	-148.38580	12	14	56	0.2	20	183	21	2.02	1210	12
849	65.50380	-148.37590	26	10	284	0.2	10	312	117	1.32	3170	36
850	65.50700	-148.36560	16	10	63	0.1	10	11	24	2.76	535	35
851	65.51090	-148.35960	15	11	78	0.1	10	36	30	3.85	3800	35
852	65.51500	-148.35350	16	11	79	0.1	10	37	30	3.9	3970	37
853	65.51420	-148.39330	19	11	55	0.1	10	12	18	4.01	499	27
854	65.51500	-148.38680	20	14	57	0.2	17	25	19	6.49	977	30
855	65.51690	-148.38070	16	9	49	0.1	10	10	16	4.25	292	26
856	65.51900	-148.37300	13	9	53	0.1	10	10	15	2.41	296	25
857	65.52250	-148.37290	12	8	51	0.1	10	10	15	2.34	245	25
858	65.51870	-148.38200	18	10	71	0.1	10	10	20	3.76	1390	30
859	65.51750	-148.35440	16	10	68	0.1	10	10	19	3.23	612	30
860	65.51640	-148.34720	20	12	91	0.1	10	10	36	7.91	6840	32
861	65.59720	-148.44360	28	17	51	0.2	10	10	14	3.64	2040	35
862	65.59970	-148.43860	29	16	48	0.1	10	10	15	3.06	1830	28
863	65.60070	-148.44020	25	15	43	0.2	10	10	14	2.31	258	27
864	65.60210	-148.43300	23	13	46	0.1	10	10	15	2.4	368	25
866	65.60370	-148.42270	13	9	41	0.1	16	10	12	1.85	346	25
867	65.60300	-148.41580	17	10	44	0.1	15	10	13	2.19	655	26
868	65.60270	-148.40640	14	9	42	0.1	19	10	13	2.07	557	26
869	65.50220	-148.44070	23	6	65	0.1	25	13	78	2.56	606	87
870	65.50140	-148.45240	17	7	62	0.1	38	17	112	3.2	557	148
871	65.49930	-148.45680	22	5	69	0.1	70	20	141	3.51	859	154
873	65.49890	-148.46050	24	6	52	0.1	99	18	228	2.91	411	176
874	65.50290	-148.45920	18	4	47	0.1	59	16	167	2.41	298	135
875	65.49470	-148.46630	25	6	67	0.1	67	19	167	3	479	128
876	65.49180	-148.47080	20	6	57	0.1	48	19	150	2.81	446	125
880	65.62010	-148.24630	14	7	50	0.1	10	10	16	2.02	230	22
881	65.62310	-148.24850	21	9	61	0.1	10	10	20	2.62	433	27
882	65.62680	-148.24940	19	9	63	0.1	10	11	20	2.73	636	26
883	65.63020	-148.24990	16	7	53	0.1	10	10	19	2.15	297	27
885	65.63430	-148.25410	15	7	56	0.1	10	10	21	2.34	379	27
886	65.62630	-148.28790	15	8	50	0.1	10	10	15	2.17	209	22
888	65.62660	-148.27750	15	7	51	0.1	10	10	18	2.13	344	22
889	65.62560	-148.27130	13	7	53	0.1	10	10	14	2.15	521	19
890	65.62850	-148.26820	17	8	68	0.1	10	10	23	2.27	397	34
891	65.63240	-148.26410	16	7	55	0.1	10	10	25	2.19	385	35
892	65.63700	-148.25370	15	7	62	0.1	10	10	28	2.28	421	40
893	65.64120	-148.25190	16	7	56	0.1	10	10	28	2.31	516	37
895	65.64520	-148.24990	14	7	49	0.1	10	10	28	2.07	329	37
896	65.45730	-148.08140	0	12	94	0.2	10	18	46	3.2	772	47
897	65.45480	-148.07530	8	10	84	0.3	10	15	41	3.05	665	46
899	65.45300	-148.06860	0	7	67	0.1	10	12	32	2.71	651	39
900	65.45370	-148.06100	0	8	103	0.1	10	18	41	4.15	794	48
901	65.45410	-148.05370	9	7	63	0.1	10	11	28	2.56	587	36
902	65.37190	-148.05410	0	10	41	0.2	10	10	21	2.22	104	34
903	65.37230	-148.06210	0	9	38	0.2	10	10	20	1.92	141	34
904	65.37350	-148.07280	0	10	96	0.2	10	20	33	3.1	873	40
905	65.37450	-148.07950	0	9	76	0.1	10	13	25	2.5	608	32
907	65.37740	-148.07160	0	11	86	0.6	10	15	28	3.03	709	27
908	65.32350	-148.16930	5	14	25	0.1	10	10	16	6.58	65	36
909	65.32570	-148.17360	2	15	44	0.1	10	10	17	3.25	184	31
910	65.32780	-148.17820	5	15	45	0.2	10	10	18	3.4	201	33
911	65.33050	-148.17950	1	13	73	0.2	10	12	22	3.23	380	38
912	65.33190	-148.18190	1	18	83	0.3	11	11	26	3.23	461	25
913	65.33400	-148.17700	9	20	148	0.3	13	16	38	5.27	646	15
914	65.33180	-148.18850	7	17	133	0.2	10	14	34	4.87	602	13
915	65.32940	-148.19480	5	12	114	0.2	10	14	31	4.63	511	19

LIVNGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVNGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Ca	Ni	Fe	Mn	Cr
916	65.33120	-148.19910	4	19	70	0.3	10	10	20	3.18	310	22
917	65.34180	-148.14270	0	18	79	0.3	10	12	25	3.54	332	42
919	65.34370	-148.15880	8	17	138	1	10	12	34	2.98	343	26
921	65.34410	-148.16390	9	19	78	0.4	10	15	19	2.72	911	21
922	65.34520	-148.16330	5	20	126	0.7	10	12	29	2.92	409	24
923	65.32440	-148.07420	9	26	72	0.2	10	15	27	3.58	586	28
924	65.32050	-148.07890	3	23	68	0.1	10	17	31	3.73	796	42
926	65.31760	-148.08080	8	22	61	0.1	10	15	33	3.45	565	34
927	65.31880	-148.08740	4	20	63	0.2	10	13	33	3.26	537	43
928	65.32070	-148.09020	5	22	63	0.2	10	14	33	3.37	601	46
929	65.31310	-148.08240	5	20	63	0.1	10	14	33	3.38	602	39
930	65.33710	-148.07180	3	21	95	0.5	10	12	33	3.38	485	27
931	65.33640	-148.06400	2	23	82	0.4	10	12	32	3.28	560	31
932	65.33610	-148.05460	1	23	80	0.4	10	12	32	3.22	707	30
933	65.33420	-148.04890	1	21	92	0.4	10	17	41	3.77	1900	47
934	65.33150	-148.03910	1	23	90	0.4	10	15	40	3.67	1780	47
935	65.31200	-148.00710	4	16	38	0.2	10	10	19	2.28	203	30
936	65.31010	-148.00820	9	21	84	0.3	10	20	27	3.4	778	37
937	65.31030	-148.01480	7	22	66	0.2	10	19	23	3.19	781	38
938	65.30960	-148.02450	7	23	73	0.2	10	20	25	3.06	852	30
939	65.31050	-148.03370	1	23	93	0.2	10	28	26	3.38	2550	30
941	65.31050	-148.04430	6	20	66	0.2	10	17	23	2.93	1680	27
942	65.32500	-148.00780	1	25	92	0.2	10	19	27	3.53	1550	32
944	65.32840	-148.00330	7	15	64	0.1	10	15	24	3.07	800	32
946	65.32750	-148.01500	8	16	73	0.1	10	16	26	3.27	862	35
947	65.32750	-148.02220	7	17	68	0.1	16	16	24	2.96	985	33
948	65.32770	-148.03040	1	17	103	0.1	18	28	26	2.87	2740	32
949	65.65260	-148.75480	38	9	90	0.1	10	14	68	3.46	602	128
951	65.65500	-148.76250	30	9	74	0.1	10	13	66	3.27	505	132
952	65.65630	-148.78920	30	8	66	0.1	10	14	66	3.04	599	128
953	65.65830	-148.77920	25	8	67	0.1	10	11	65	3.02	420	127
954	65.65930	-148.79880	28	9	78	0.1	10	13	67	3.32	644	141
956	65.66360	-148.79520	25	9	68	0.1	10	12	65	3.01	482	136
957	65.66830	-148.79400	25	8	71	0.1	10	12	65	2.99	622	130
959	65.67130	-148.80210	21	6	64	0.1	10	10	62	2.72	469	127
960	65.67630	-148.80520	19	7	62	0.1	10	10	61	2.65	505	132
961	65.67720	-148.81110	19	6	59	0.1	10	10	61	2.69	394	134
962	65.67610	-148.82060	28	9	82	0.1	10	13	69	3.38	587	131
964	65.73600	-148.56050	28	8	99	0.1	10	14	66	3.96	895	133
965	65.73560	-148.55050	39	8	88	0.1	10	14	66	3.4	754	132
966	65.73460	-148.54360	38	12	118	0.1	10	22	82	4.21	3870	143
968	65.73320	-148.53540	38	8	79	0.1	10	13	70	3.55	496	143
969	65.73000	-148.53120	36	8	98	0.1	10	14	75	3.44	884	144
970	65.70060	-148.52470	26	9	62	0.1	10	11	66	2.91	281	130
972	65.70430	-148.52470	19	8	61	0.1	10	10	66	2.73	379	133
973	65.70730	-148.52420	22	7	69	0.1	10	11	69	3	559	130
974	65.71010	-148.52460	22	7	69	0.1	10	10	68	2.6	429	138
975	65.71290	-148.52800	26	8	68	0.1	10	11	68	2.82	454	138
976	65.67500	-148.47990	24	8	56	0.1	10	10	63	2.19	205	132
977	65.67600	-148.48270	18	6	67	0.1	10	10	63	2.63	302	124
978	65.67240	-148.48810	22	8	59	0.1	10	10	64	2.67	356	119
979	65.66880	-148.49560	24	8	66	0.1	10	11	68	2.85	347	133
980	65.66440	-148.50550	17	7	54	0.1	10	10	63	2.47	319	127
981	65.66140	-148.51260	16	9	63	0.1	10	17	63	3.04	1130	130
982	65.65880	-148.52260	16	8	59	0.1	10	11	61	2.54	545	131
983	65.65690	-148.53420	16	8	73	0.1	10	17	64	3.69	1200	130
984	65.65730	-148.54690	21	9	69	0.1	10	12	65	2.94	402	127
985	65.66000	-148.55530	14	9	55	0.1	10	13	69	2.87	646	134
986	65.66260	-148.56440	14	8	53	0.1	10	10	68	2.35	371	124
987	65.66510	-148.57040	17	9	64	0.1	10	11	61	2.71	440	125
988	65.66390	-148.57670	27	7	53	0.1	10	12	60	2.95	397	126
989	65.66220	-148.58590	19	7	63	0.1	10	10	61	2.61	363	128
990	65.51650	-148.98580	45	13	91	0.1	10	26	80	4.13	1530	141
991	65.51890	-148.98260	41	11	115	0.1	10	23	94	4.38	1230	151
992	65.51870	-148.97950	43	11	93	0.2	10	20	83	3.64	1600	161
994	65.52150	-148.97700	36	11	95	0.1	10	23	78	3.21	1400	139
995	65.52590	-148.97810	29	11	73	0.1	10	16	72	3.34	742	138
996	65.52970	-148.97550	20	10	65	0.1	10	10	65	2.89	283	133
997	65.53270	-148.97300	21	10	71	0.1	10	19	67	3.26	1000	129
998	65.53550	-148.96880	19	9	63	0.1	10	12	65	2.71	560	126
999	65.53860	-148.96230	19	9	71	0.1	10	16	65	2.95	982	129
1000	65.52810	-148.95050	15	8	54	0.1	10	10	60	2.48	267	127
1001	65.52770	-148.94320	17	12	50	0.1	10	10	61	2.98	265	127
1003	65.53210	-148.94770	20	11	64	0.1	10	10	65	2.8	281	130
1004	65.53440	-148.95090	19	10	61	0.1	10	13	65	3.03	639	136

LIVENGOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	Au	Co	Ni	Va	Mn	Cr
1006	65.53730	-148.95560	17	8	63	0.1	10	14	65	2.92	726	131
1006	65.54040	-148.95900	20	9	70	0.1	10	16	67	3.01	1040	138
1007	65.54320	-148.95990	18	8	58	0.1	10	11	55	2.51	600	134
1008	65.54730	-148.95910	23	9	74	0.1	10	12	69	3.18	546	135
1009	65.55050	-148.95550	20	8	70	0.1	10	13	67	3.09	657	128
1010	65.55280	-148.95070	15	7	56	0.1	10	12	62	2.58	611	135
1011	65.27270	-148.89290	16	21	50	0.2	12	10	57	2.63	176	128
1013	65.27510	-148.89970	17	19	48	0.2	117	12	58	5.69	555	130
1014	65.27580	-148.90750	23	16	47	0.1	13	10	57	2.68	222	130
1015	65.27480	-148.91040	18	22	53	0.1	14	10	65	3.02	259	130
1016	65.27650	-148.91480	15	16	43	0.1	26	12	55	3.14	574	122
1017	65.27750	-148.92180	19	19	58	0.2	48	24	60	4.29	1500	135
1018	65.27790	-148.93400	18	16	47	0.1	14	10	58	2.84	473	133
1020	65.27950	-148.94440	16	10	57	0.1	12	13	62	3.11	595	130
1021	65.27910	-148.95370	18	11	54	0.1	10	11	62	3.02	370	140
1022	65.28220	-148.95910	19	8	55	0.1	10	10	63	2.63	446	135
1041	65.45460	-148.77500	32	9	84	0.3	10	26	295	2.94	277	121
1042	65.45130	-148.77090	39	16	103	0.4	10	30	326	3.56	675	239
1043	65.45110	-148.76920	33	13	56	0.1	10	26	393	2.93	437	231
1044	65.44810	-148.76540	45	11	91	0.3	10	30	365	3.5	705	228
1045	65.43650	-148.74470	24	7	70	0.1	10	28	178	2.22	1220	87
1046	65.44270	-148.76370	31	8	72	0.2	10	22	196	2.39	592	111
1048	65.55950	-148.24120	0	8	27	0.1	10	10	10	1.47	52	20
1050	65.55840	-148.25040	0	9	38	0.1	10	10	14	1.79	85	28
1051	65.55660	-148.25620	0	9	49	0.1	10	10	13	1.78	116	21
1052	65.55490	-148.26510	0	9	65	0.1	10	10	18	2.39	301	23
1053	65.55450	-148.27350	0	9	59	0.1	10	10	17	2.4	261	28
1054	65.55610	-148.28630	0	10	59	0.1	10	14	17	2.72	558	26
1055	65.55410	-148.30130	0	10	75	0.1	10	12	19	2.55	602	27
1056	65.55110	-148.30890	0	8	53	0.1	10	10	15	2.08	162	27
1057	65.54210	-148.28150	0	10	42	0.1	10	10	15	2.12	145	25
1059	65.54140	-148.28510	0	10	42	0.1	10	10	18	2.27	178	24
1060	65.54140	-148.29120	0	14	52	0.1	10	10	21	2.75	181	26
1061	65.54090	-148.29750	0	11	45	0.1	10	10	18	2.18	167	30
1062	65.54060	-148.30840	0	11	58	0.1	10	11	22	2.58	395	31
1064	65.54100	-148.32120	0	15	70	0.1	10	16	20	2.81	616	31
1065	65.54060	-148.33580	0	17	61	0.2	10	47	19	6.79	2830	23
1066	65.54220	-148.34070	0	9	53	0.1	10	10	16	1.8	173	22
1067	65.54370	-148.34450	0	11	57	0.1	10	10	16	1.95	235	24
1068	65.54770	-148.35130	0	10	59	0.1	10	10	17	2.02	239	19
1069	65.54840	-148.34690	0	13	72	0.1	10	12	20	2.88	427	27
1071	65.54840	-148.33360	0	11	64	0.1	10	10	19	2.32	355	23
1072	65.55050	-148.31880	0	12	60	0.1	10	10	18	2.26	251	25
1073	65.42380	-148.49070	44	20	88	0.5	10	19	37	4.22	990	49
1075	65.42070	-148.49530	47	24	89	0.5	10	19	39	4.25	770	54
1076	65.40920	-148.50090	22	10	63	0.1	10	10	18	1.5	517	19
1077	65.40750	-148.50550	19	17	59	0.1	10	15	21	2.71	960	31
1078	65.40870	-148.51210	22	10	63	0.1	10	13	27	2.73	521	37
1082	65.41420	-148.52150	28	11	51	0.1	10	12	22	2.47	524	32
1083	65.40060	-148.51730	70	29	249	1.1	13	25	42	3.84	1400	54
1085	65.39980	-148.52150	50	22	131	0.3	10	18	37	3.52	1290	43
1086	65.39950	-148.52580	60	43	152	0.7	10	25	40	3.83	1430	53
1088	65.40110	-148.53050	39	19	77	0.2	10	16	33	3.19	727	43
1089	65.39910	-148.53140	37	17	117	0.2	10	19	40	3.84	897	50
1090	65.39590	-148.53670	40	33	131	0.3	10	18	42	3.94	961	50
1091	65.39640	-148.54240	35	31	115	0.2	10	16	35	3.53	806	44
1092	65.39700	-148.55090	25	9	69	0.1	10	15	30	3.09	4590	31
1093	65.39480	-148.55560	36	23	104	0.3	10	15	32	3.13	800	41
1094	65.39280	-148.56140	34	27	104	0.3	10	15	33	3.11	1570	37
1095	65.39100	-148.56110	35	37	169	0.4	10	11	27	2.51	975	31
1096	65.38950	-148.57230	72	25	116	0.3	10	18	43	3.76	873	43
1097	65.39060	-148.57110	28	33	97	0.2	10	13	29	2.88	863	31
1100	65.38940	-148.58100	31	32	106	0.2	10	15	33	3.16	1030	38
1101	65.38910	-148.58980	23	26	85	0.2	10	13	26	2.92	708	35
1102	65.37360	-148.53700	49	73	276	2.1	73	15	35	3.06	1520	35
1103	65.37190	-148.53380	31	40	148	1.2	44	13	29	2.83	911	31
1104	65.36900	-148.53490	30	34	182	1	31	11	23	2.16	2950	24
1105	65.36970	-148.53780	44	42	182	0.9	80	30	43	4.37	8710	40
1106	65.36720	-148.53490	32	32	151	0.8	24	12	27	2.69	1010	28
1107	65.36300	-148.53450	34	33	133	0.6	20	14	28	2.79	1400	29
1108	65.36080	-148.53710	41	24	144	0.7	10	15	25	1.64	2900	20
1109	65.35860	-148.53220	32	37	142	0.6	29	14	29	3.1	2850	30
1110	65.35370	-148.52560	27	13	82	0.4	10	10	24	1.58	1900	18
1111	65.35520	-148.52610	20	22	115	0.3	22	0	0	0	0	0
1112	65.35120	-148.51590	20	22	109	0.4	20	0	0	0	0	0

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Co	Ni	Fe	Mn	Cr
1113	85.34840	-148.50820	22	22	132	0.4	20	0	0	0	0	0
1114	85.34850	-148.50360	22	15	95	0.2	13	0	0	0	0	0
1115	85.34280	-148.50060	19	16	95	0.2	13	0	0	0	0	0
1117	85.51440	-148.75490	19	8	66	0.1	10	10	19	2.47	414	28
1119	85.51570	-148.75840	18	7	57	0.1	10	10	17	2.26	356	25
1120	85.51420	-148.75970	19	10	59	0.1	10	12	16	2.61	608	27
1121	85.51530	-148.76050	22	8	59	0.1	10	10	17	2.37	499	25
1122	85.51520	-148.76520	17	6	56	0.1	10	10	16	2.19	856	25
1123	85.51520	-148.76800	36	11	65	0.1	10	15	20	2.91	856	25
1124	85.51660	-148.77280	23	7	55	0.1	10	10	16	2.26	436	23
1125	85.51760	-148.77760	29	12	69	0.1	10	12	21	2.95	699	27
1126	85.51630	-148.78040	28	9	62	0.2	10	11	19	2.66	539	25
1128	85.51550	-148.78550	18	8	62	0.1	10	10	17	2.52	410	23
1129	85.51560	-148.78980	32	11	68	0.1	10	15	20	3.01	761	27
1130	85.53530	-148.83310	28	5	74	0.1	10	10	30	2.36	706	36
1131	85.53450	-148.82720	41	6	93	0.2	10	10	27	2.73	720	31
1133	85.53400	-148.82210	45	9	93	0.2	10	12	36	3.53	532	44
1134	85.53260	-148.82060	45	10	108	0.3	10	15	34	3.6	735	40
1135	85.53220	-148.81700	42	9	74	0.2	10	11	28	3.02	558	33
1136	85.53120	-148.81430	43	10	106	0.2	10	15	33	3.66	813	36
1137	85.52960	-148.80750	27	9	67	0.1	10	10	24	2.67	469	28
1138	85.46380	-148.75530	19	6	70	0.2	10	33	358	3.83	608	255
1139	85.46690	-148.75270	21	4	58	0.1	10	21	275	3.33	620	187
1140	85.46730	-148.74950	21	12	68	0.1	10	25	242	3.33	620	197
1142	85.46870	-148.74910	18	63	60	0.1	10	25	282	3.06	418	212
1143	85.46900	-148.75100	20	12	75	0.1	10	30	290	3.65	955	256
1144	85.46960	-148.74630	19	5	62	0.1	10	14	127	2.59	470	91
1145	85.47160	-148.74540	20	5	64	0.1	10	18	177	3.02	444	134
1146	85.47490	-148.74230	19	6	62	0.1	10	17	143	3.1	403	107
1147	85.46350	-148.72070	40	4	62	0.1	10	17	268	2.63	269	198
1148	85.48300	-148.71140	12	5	29	0.1	10	40	18	2.53	219	34
1150	85.48160	-148.70450	26	6	63	0.1	10	21	226	3.1	494	163
1151	85.45990	-148.69600	28	8	73	0.1	10	25	236	3.85	2000	144
1152	85.46070	-148.69850	24	4	58	0.1	10	41	582	3.93	860	407
1153	85.53730	-148.88380	28	11	102	0.1	10	11	23	2.84	700	23
1154	85.53610	-148.88650	24	8	70	0.1	10	10	21	2.5	341	22
1155	85.53470	-148.88090	20	8	61	0.1	10	10	18	2.31	361	28
1156	85.53160	-148.87690	18	9	65	0.1	10	10	20	2.29	305	30
1157	85.52790	-148.87210	20	12	100	0.2	10	26	27	3.69	5140	28
1159	85.52580	-148.86990	30	10	66	0.1	10	15	27	3.5	2040	34
1160	85.52110	-148.85940	28	11	73	0.1	10	15	28	3.29	2460	31
1161	85.52070	-148.86230	27	9	70	0.1	10	11	20	2.55	1090	26
1162	85.51790	-148.85570	22	9	68	0.1	10	11	23	2.78	1360	29
1163	85.51660	-148.85690	14	7	62	0.1	10	10	16	2.14	247	22
1164	85.51530	-148.85440	20	9	79	0.1	10	11	20	2.79	743	24
1166	85.51530	-148.84820	16	7	62	0	10	10	17	2.48	676	23
1167	85.51750	-148.83960	17	7	55	0.1	10	10	17	2.23	282	22
1168	85.51660	-148.83880	18	7	71	0.1	10	10	19	2.66	778	24
1169	85.51680	-148.83360	17	9	64	0.1	10	10	18	2.61	420	27
1170	85.51980	-148.77840	19	9	74	0.1	10	11	19	2.81	790	25
1172	85.51030	-148.82390	18	7	68	0.1	10	11	18	2.65	735	24
1173	85.57770	-148.46580	18	7	122	0.1	16	42	22	5.31	13300	24
1174	85.57540	-148.46240	20	9	80	0.1	10	13	20	2.73	1780	24
1175	85.57370	-148.46240	37	8	77	0.1	10	13	25	2.63	1980	35
1176	85.57270	-148.45670	18	8	63	0.1	10	10	18	2.47	339	28
1177	85.57060	-148.44620	21	8	71	0.1	10	10	17	2.13	279	26
1178	85.57200	-148.43640	23	7	84	0.1	10	16	20	2.81	2190	27
1179	85.57060	-148.42840	17	7	58	0.1	10	10	17	2.23	268	29
1180	85.56770	-148.42100	18	7	61	0.1	10	10	17	2.3	276	31
1186	85.58250	-148.43940	13	16	42	0.1	10	10	13	2.43	112	22
1187	85.58260	-148.43020	11	13	46	0.1	10	10	12	1.95	232	17
1188	85.58280	-148.42110	21	16	67	0.4	10	60	18	2.48	6310	18
1194	85.55350	-148.39610	19	11	59	0.1	10	10	16	2.39	221	23
1195	85.47160	-148.74500	16	11	56	0.2	10	10	16	2.37	223	21
1196	85.55420	-148.40550	25	10	73	0.2	10	14	20	1.94	2020	14
1197	85.55430	-148.41410	26	15	64	0.2	10	11	21	3.03	530	26
1198	85.55570	-148.42120	19	10	45	0.1	10	10	14	2.19	254	21
1199	85.58020	-148.19200	22	13	61	0.1	10	10	20	2.67	239	23
1201	85.57880	-148.19280	22	13	93	0.1	10	24	30	3.7	1530	34
1202	85.57610	-148.18940	38	16	97	0.1	10	13	31	3.33	345	34
1203	85.57370	-148.18400	22	11	66	0.1	10	10	20	2.36	369	23
1204	85.57220	-148.17490	20	12	65	0.1	10	11	21	2.45	379	25
1205	85.57260	-148.16580	15	10	58	0.1	10	10	17	2.24	324	20
1206	85.57230	-148.15570	16	10	48	0.1	10	10	19	2.2	512	24
1207	85.57230	-148.14480	17	7	73	0.1	10	12	22	2.67	690	35

LIVENGOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Cd	Ni	Fe	Mn	Cr
1208	65.57240	-148.13620	19	7	71	0.1	10	11	22	2.62	440	37
1210	65.58460	-148.17160	19	7	42	0.1	10	10	15	2.25	137	25
1211	65.58450	-148.18230	29	8	48	0.1	10	10	20	1.96	221	34
1213	65.58140	-148.14670	18	9	51	0.1	10	10	24	2.29	371	34
1214	65.57870	-148.14010	15	10	59	0.2	10	18	25	2.8	808	37
1215	65.59040	-148.00870	40	12	145	0.9	10	15	49	3.25	499	44
1216	65.59380	-148.01080	29	11	107	0.5	0	10	24	2.84	317	34
1218	65.59780	-148.01860	14	10	70	0.2	10	15	26	2.31	282	34
1219	65.40180	-148.02120	11	9	75	0.1	10	10	25	2.38	259	33
1220	65.40570	-148.02260	8	8	64	0.1	10	10	25	2.38	259	33
1221	65.40850	-148.02980	10	9	66	0.1	10	10	25	2.54	324	34
1222	65.41120	-148.04080	7	8	63	0.1	10	10	24	2.54	463	38
1223	65.41070	-148.05030	7	8	59	0.1	10	10	23	2.4	293	32
1224	65.41310	-148.05510	7	8	58	0.1	10	10	22	2.37	293	33
1226	65.41570	-148.06080	5	7	53	0.1	10	10	20	2.19	259	30
1227	65.41720	-148.06990	12	10	65	0.1	10	10	24	2.74	389	33
1228	65.41780	-148.07840	12	9	68	0.1	10	10	24	2.75	389	31
1229	65.31370	-148.13310	44	21	125	0.6	10	16	36	3.31	2090	20
1230	65.31100	-148.13680	23	20	70	0.1	10	15	20	5.71	808	24
1232	65.30990	-148.13940	34	22	92	0.2	10	18	35	4.23	624	28
1233	65.30650	-148.14540	26	20	75	0.2	10	13	25	3.44	653	23
1234	65.30590	-148.14830	30	21	72	0.8	10	13	22	3.31	1160	30
1235	65.30510	-148.15020	33	19	168	0.4	10	13	34	2.98	1170	29
1236	65.30210	-148.15080	40	20	138	0.5	10	12	32	3.13	664	24
1238	65.30090	-148.14850	35	19	135	0.4	10	14	33	3.54	797	25
1238	65.30090	-148.14850	21	8	42	0.1	0	10	26	2.76	267	34
1240	65.29930	-148.14290	30	21	113	0.3	10	14	31	3.4	662	27
1241	65.29630	-148.13570	27	19	95	0.3	10	12	25	3.83	697	23
1242	65.29330	-148.13220	27	16	98	0.3	10	11	25	2.82	682	24
1244	65.28820	-148.13300	29	18	104	0.4	10	13	28	3.07	826	24
1245	65.38850	-148.09830	17	17	52	0.2	10	10	18	3.09	341	31
1246	65.38450	-148.09860	18	20	61	0.3	10	12	20	3.12	428	34
1247	65.38330	-148.10060	19	21	73	0.2	10	12	20	3.21	405	33
1248	65.38020	-148.09600	12	18	55	0.1	10	10	16	2.84	299	24
1249	65.37770	-148.09330	16	18	61	0.2	10	10	18	3.29	254	30
1250	65.38860	-148.25040	23	19	65	0.3	10	13	23	3.43	613	32
1251	65.38370	-148.24650	30	21	88	0.3	10	13	29	3.44	678	28
1252	65.37910	-148.24050	21	18	62	0.3	10	10	21	2.71	665	26
1253	65.28700	-148.02580	17	18	70	0.1	10	20	19	2.74	677	19
1254	65.26910	-148.02900	24	23	91	0.1	10	19	32	3.96	902	24
1256	65.26930	-148.04020	23	21	76	0.1	10	17	26	3.09	624	23
1257	65.26900	-148.04860	20	18	78	0.1	10	16	26	3.39	466	22
1258	65.26820	-148.05800	19	17	62	0.1	10	11	20	2.62	419	20
1259	65.26820	-148.06630	21	19	72	0.1	10	15	24	3.02	707	22
1260	65.26770	-148.07610	21	18	61	0.1	10	12	20	2.72	699	25
1261	65.26720	-148.08490	21	18	83	0.1	10	12	21	2.7	620	22
1263	65.26790	-148.09060	43	23	106	0.1	10	10	56	3.97	500	49
1264	65.25450	-148.05010	19	22	78	0.1	10	16	31	2.88	1020	41
1265	65.25820	-148.05450	15	19	69	0.1	10	14	28	2.66	641	37
1266	65.26090	-148.06100	19	20	85	0.1	10	17	33	2.99	848	37
1268	65.26180	-148.07000	18	12	56	0.1	10	13	25	2.85	626	34
1269	65.26230	-148.07820	19	18	70	0.1	10	15	33	3.11	593	38
1270	65.26230	-148.08880	21	21	74	0.1	10	16	33	3.29	654	38
1271	65.26470	-148.10020	16	11	64	0.1	10	15	25	3.41	642	31
1272	65.26650	-148.10470	20	12	62	0.1	10	11	29	2.87	429	40
1273	65.28750	-148.09710	23	17	67	0.1	10	13	31	3.06	528	41
1274	65.65660	-148.92460	24	9	61	0.1	10	12	65	3.11	489	133
1275	65.65940	-148.93370	19	8	59	0.1	10	10	65	2.74	356	130
1276	65.66240	-148.93730	24	10	80	0.1	10	14	68	3.65	458	124
1277	65.66700	-148.93590	17	7	60	0.1	10	10	62	2.75	362	126
1278	65.67110	-148.93360	19	8	63	0.1	10	11	64	3.16	609	134
1279	65.67590	-148.93150	18	8	70	0.1	10	11	65	2.99	456	134
1281	65.67950	-148.92360	17	8	61	0.1	10	10	63	2.68	364	130
1282	65.67950	-148.92680	16	6	61	0.1	10	10	63	2.65	327	129
1283	65.68390	-148.92490	16	6	61	0.1	10	10	62	2.63	316	127
1284	65.68320	-148.55640	16	9	56	0.1	10	11	62	3.03	306	125
1285	65.68420	-148.55450	19	7	62	0.1	10	11	65	2.87	338	132
1287	65.68590	-148.56270	19	7	58	0.1	10	12	65	3.18	371	132
1288	65.68840	-148.57010	20	8	67	0.1	10	12	64	3.04	571	128
1289	65.69090	-148.57940	19	7	67	0.1	10	12	64	2.88	560	127
1290	65.69580	-148.58510	20	7	64	0.1	10	10	65	2.77	325	136
1291	65.69640	-148.59410	20	8	69	0.1	10	11	67	2.91	473	130
1292	65.69920	-148.55300	22	9	76	0.1	10	12	69	3.2	533	133
1293	65.70230	-148.55800	20	8	83	0.1	10	13	67	3.2	716	136
1294	65.70400	-148.56620	19	7	71	0.1	10	11	66	3.02	541	131

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Co	Ni	Fe	Mn	Cr
1295	85.70430	-148.57480	16	8	63	0.1	10	10	22	2.44	372	24
1296	85.70280	-148.58380	22	9	78	0.1	10	13	74	2.82	777	130
1297	85.70230	-148.59370	28	12	81	0.2	10	18	79	3.57	1670	133
1299	85.70380	-148.60180	28	13	81	0.1	10	15	79	3.55	1020	146
1300	85.64840	-148.68630	54	12	78	0.1	10	24	70	4.16	1140	128
1301	85.64820	-148.68180	31	11	71	0.1	10	12	71	3.49	452	125
1302	85.64060	-148.67740	19	8	61	0.1	10	10	69	2.71	347	118
1303	85.63810	-148.67480	27	9	69	0.1	10	11	70	3.38	396	132
1304	85.63300	-148.67300	23	8	13	0.1	10	13	69	3.23	634	131
1306	85.62880	-148.66850	31	8	71	0.1	10	13	68	3.98	409	130
1307	85.62350	-148.65940	20	9	69	0.1	10	11	69	3.47	353	131
1308	85.62380	-148.66340	22	10	68	0.1	10	12	67	3.14	603	131
1309	85.62030	-148.66310	18	8	61	0.1	10	10	64	2.76	347	122
1310	85.47610	-148.98350	46	15	74	0.2	10	22	69	3.78	1410	141
1312	85.47200	-148.98300	43	15	73	0.2	10	15	71	3.35	709	133
1313	85.46850	-148.98280	56	16	107	0.3	10	20	74	3.75	1250	133
1314	85.46530	-148.98140	65	14	108	0.2	10	13	78	3.45	639	133
1315	85.46120	-148.98070	63	12	157	0.2	10	16	85	3.87	957	132
1316	85.45800	-148.97900	64	12	172	0.2	10	22	90	4.06	1650	130
1318	85.47730	-148.95560	31	11	57	0.2	10	17	63	3.12	648	126
1319	85.47350	-148.95190	44	14	85	0.2	10	16	70	3.48	846	131
1320	85.46920	-148.95200	45	13	90	0.2	10	14	68	3.4	748	117
1321	85.46580	-148.94850	51	15	120	0.2	10	18	78	3.51	1210	133
1322	85.46290	-148.94040	44	14	126	0.2	10	19	83	3.78	1220	132
1323	85.29270	-148.89430	28	14	54	0.4	10	10	68	2.68	287	124
1324	85.29450	-148.90100	21	14	46	0.2	10	10	67	2.3	290	132
1325	85.29350	-148.91060	19	12	65	0.2	10	11	71	2.94	505	133
1327	85.29190	-148.91980	21	13	65	0.2	10	12	70	2.99	611	126
1328	85.29200	-148.93320	18	11	62	0.1	10	24	70	3.17	1450	125
1329	85.29030	-148.94310	18	11	65	0.1	10	23	69	3.04	1620	124
1330	85.28660	-148.95160	17	11	59	0.1	10	11	67	3	564	122
1331	85.26950	-148.94820	15	12	54	0.1	10	10	61	2.56	176	112
1332	85.27210	-148.95650	16	15	60	0.1	10	10	62	3.41	327	117
1333	85.47360	-148.95190	22	16	72	0.1	10	23	67	4.02	1560	124
1336	85.26880	-148.97780	18	15	58	0.1	10	10	67	2.8	333	129
1337	85.27080	-148.97500	20	16	77	0.1	34	35	68	7.65	3460	0
1401	85.57670	-148.22370	14	8	49	0.1	10	0	0	0	0	0
1402	85.57650	-148.23180	18	10	49	0.1	10	0	0	0	0	0
1403	85.57650	-148.23180	10	10	48	0.1	10	0	0	0	0	0
1404	85.57650	-148.23180	10	10	47	0.1	10	0	0	0	0	0
1405	85.57500	-148.23880	12	10	47	0.1	10	0	0	0	0	0
1406	85.57600	-148.24240	12	11	68	0.1	26	0	0	0	0	0
1407	85.57640	-148.24360	11	10	56	0.1	10	0	0	0	0	0
1408	85.57640	-148.24360	24	11	71	0.1	10	0	0	0	0	0
1409	85.57920	-148.24550	12	13	73	0.1	10	0	0	0	0	0
1410	85.58200	-148.24540	12	12	77	0.1	0	0	0	0	0	0
1411	85.58670	-148.24540	21	12	73	0.1	17	10	19	1.99	185	31
1412	85.58620	-148.24590	14	17	96	0.1	34	27	26	7.64	1585	39
1413	85.59010	-148.24360	9	10	87	0.1	10	10	22	2.76	409	36
1414	85.59090	-148.24290	9	11	67	0.1	10	10	18	1.75	146	29
1415	85.59410	-148.24190	12	9	46	0.1	10	10	14	1.73	202	25
1416	85.59580	-148.23660	14	11	51	0.1	10	10	13	1.84	177	19
1417	85.59710	-148.22810	27	12	41	0.2	24	10	13	2.13	248	19
1418	85.59670	-148.23040	14	10	54	0.1	10	10	14	1.95	205	21
1420	85.59880	-148.22300	13	9	51	0.1	10	10	13	1.84	187	18
1421	85.60070	-148.21430	13	11	55	0.1	10	10	14	2.04	384	22
1422	85.60180	-148.20550	14	9	52	0.1	10	10	13	2	259	20
1423	85.60240	-148.20310	12	8	51	0.1	10	10	12	2.1	297	19
1424	85.60310	-148.20070	19	10	59	0.2	10	10	16	2.29	343	21
1425	85.60460	-148.20050	15	10	58	0.1	10	10	14	2.13	294	20
1426	85.60830	-148.19450	18	10	73	0.1	10	11	18	2.51	398	22
1427	85.61150	-148.18770	14	10	55	0.1	10	10	14	2.11	435	18
1428	85.62380	-148.22130	23	13	39	0.2	10	10	13	2.22	113	24
1429	85.62330	-148.21940	22	13	30	0.3	10	10	10	1.5	60	15
1430	85.62010	-148.22550	16	11	39	0.2	10	10	11	2.14	92	16
1431	85.61710	-148.23060	20	15	35	0.2	10	10	12	4.54	88	18
1432	85.61710	-148.23060	21	10	35	0.1	10	10	17	5.82	63	16
1434	85.61460	-148.23640	20	11	44	0.1	10	10	16	2.06	93	23
1435	85.61210	-148.24260	29	14	45	0.1	22	10	23	1.03	92	28
1436	85.62410	-148.44100	38	17	70	0.5	10	13	35	3.68	593	54
1438	85.62310	-148.43430	20	11	64	0.1	10	10	23	2.59	511	32
1439	85.62310	-148.43430	19	12	57	0.1	10	10	22	2.63	335	33
1440	85.62140	-148.42640	18	10	58	0.1	10	10	21	2.65	396	28
1441	85.62140	-148.42640	22	12	57	0.1	10	10	21	2.79	359	34
1442	85.61930	-148.41980	23	11	67	0.1	10	22	26	5.17	2240	33

LIVENGOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Co	Ni	Fe	Mn	Cr
1443	65.41470	-148.39840	26	21	51	0.4	10	10	16	2.31	207	32
1444	65.41590	-148.40040	43	30	130	1.2	12	16	31	3.5	1140	43
1445	65.41770	-148.40100	21	14	70	0.2	20	10	18	2.66	352	31
1447	65.42090	-148.39950	19	14	69	0.1	15	10	17	2.44	334	28
1448	65.42270	-148.39910	21	11	70	0.1	10	10	19	2.56	327	27
1449	65.42350	-148.40070	21	12	73	0.2	10	10	20	2.62	458	26
1450	65.42440	-148.40440	20	10	69	0.1	10	10	20	2.73	465	27
1451	65.40990	-148.43980	25	16	100	0.2	10	18	26	3.28	1460	33
1454	65.41370	-148.42670	21	13	86	0.1	10	14	25	3.2	788	33
1457	65.41650	-148.41900	16	12	77	0.1	10	11	20	2.88	656	33
1459	65.41890	-148.41590	20	10	87	0.1	10	24	24	3.35	3310	27
1460	65.41990	-148.41400	20	13	81	0.1	10	10	21	2.8	690	27
1461	65.42260	-148.40810	20	9	66	0.1	10	10	19	2.76	429	28
1463	65.43200	-148.49800	24	20	76	0.3	10	17	21	3.28	1080	39
1464	65.43470	-148.49000	31	28	88	0.7	78	18	24	3.77	1190	38
1465	65.43690	-148.48400	45	54	128	1.5	10	14	32	3.87	727	45
1466	65.43780	-148.48140	33	25	72	0.6	180	18	23	4.44	922	36
1468	65.43780	-148.48140	24	41	109	0.7	10	11	23	3.34	492	38
1469	65.43970	-148.47930	34	26	78	0.4	194	18	24	4.57	1160	37
1470	65.44180	-148.47570	19	51	98	0.3	10	12	20	2.88	1040	29
1471	65.38640	-148.47150	29	12	81	0.6	10	12	24	2.91	750	33
1472	65.38600	-148.47200	38	14	118	0.5	10	14	33	3.8	757	41
1473	65.38400	-148.47150	35	17	129	0.6	10	21	30	3.57	1230	45
1474	65.38310	-148.47260	27	15	111	0.6	10	10	23	2.63	588	32
1475	65.38020	-148.47320	31	19	104	0.7	10	12	27	2.56	833	31
1477	65.37710	-148.47310	34	30	135	0.6	10	13	29	2.98	1100	39
1478	65.37310	-148.47130	33	36	127	0.7	11	13	26	2.8	1500	36
1479	65.36960	-148.46870	36	42	543	0.6	72	35	61	4.26	6590	33
1480	65.36650	-148.47020	24	23	154	0.3	40	10	21	2.65	579	25
1481	65.37540	-148.51110	31	43	187	1	12	14	27	2.66	786	35
1482	65.37400	-148.50670	23	22	126	0.6	11	10	22	2.35	912	31
1483	65.37310	-148.50490	30	34	180	0.8	18	11	26	2.61	823	34
1484	65.37230	-148.50170	26	19	110	0.5	11	13	26	2.92	2400	35
1485	65.37150	-148.49840	25	26	194	0.7	15	16	26	2.74	8110	28
1486	65.36920	-148.49200	28	26	164	0.5	21	14	31	3.12	2400	0
1488	65.36680	-148.47510	23	15	98	0.2	11	12	26	2.89	741	33
1489	65.36540	-148.46920	21	21	167	0.3	14	11	23	2.64	675	26
1490	65.51300	-148.69870	90	13	157	0.4	10	12	36	3.25	601	44
1492	65.51000	-148.69750	40	11	97	0.2	10	13	24	3.22	870	35
1493	65.50600	-148.69640	32	11	91	0.1	10	14	22	3.04	1040	33
1494	65.50110	-148.69950	54	13	158	0.1	10	24	55	4.69	833	55
1495	65.49540	-148.70450	35	10	135	0.1	10	19	44	4.14	916	46
1496	65.49230	-148.71200	35	9	133	0.1	10	18	44	4.08	703	45
1498	65.49190	-148.71520	27	9	115	0.1	10	21	34	3.02	2470	38
1499	65.49070	-148.71870	31	10	140	0.1	10	17	41	4.33	1160	43
1500	65.48950	-148.72660	32	8	120	0.1	10	16	40	3.67	782	41
1501	65.41090	-148.14280	47	13	177	0.1	10	22	51	3.99	1770	48
1503	65.48680	-148.73430	23	9	117	0.1	10	16	42	3.42	736	44
1504	65.45390	-148.85390	7	5	62	0.1	10	12	95	2.62	335	85
1505	65.45430	-148.85770	15	5	70	0.1	10	25	298	3.07	483	215
1507	65.45530	-148.86160	11	6	67	0.1	10	14	118	2.81	372	93
1508	65.45600	-148.86710	13	8	73	0.1	10	16	184	2.65	622	117
1509	65.45700	-148.86910	10	5	72	0.1	10	13	112	2.88	350	92
1510	65.45900	-148.87180	12	6	73	0.1	10	13	102	2.82	338	78
1512	65.46010	-148.87910	26	5	78	0.1	10	29	270	4.26	976	172
1513	65.45710	-148.88100	18	4	75	0.1	10	33	537	4.02	908	255
1514	65.45250	-148.89310	13	5	76	0.1	10	20	198	3.19	446	166
1516	65.45250	-148.89300	14	8	73	0.1	10	10	39	2.93	364	41
1517	65.45470	-148.89690	15	10	119	0.1	10	11	74	3.12	487	71
1519	65.45160	-148.89960	10	10	116	0.1	10	10	84	2.9	270	83
1521	65.54150	-148.87690	13	7	70	0.1	10	10	21	2.46	302	31
1522	65.54260	-148.88780	12	8	78	0.1	10	10	21	2.56	405	31
1523	65.54260	-148.86460	11	8	68	0.1	10	10	20	2.49	354	31
1524	65.54450	-148.86050	8	7	74	0.1	10	10	19	2.64	230	30
1525	65.54730	-148.85600	18	7	76	0.1	10	12	22	2.6	872	28
1526	65.54690	-148.84840	8	6	61	0.1	10	10	19	2.38	329	27
1528	65.54840	-148.83960	12	9	74	0.1	10	11	23	3.31	579	31
1529	65.54600	-148.84360	70	8	91	0.1	10	20	27	3.26	1890	25
1530	65.55020	-148.85990	12	8	88	0.1	10	13	23	4.09	1090	27
1531	65.55360	-148.86320	11	6	68	0.1	10	12	20	2.57	1010	24
1532	65.55670	-148.86690	9	6	64	0.1	10	10	19	2.36	344	25
1533	65.55790	-148.87020	13	8	74	0.1	10	11	24	2.86	857	26
1534	65.55570	-148.87550	12	8	74	0.1	10	11	22	2.79	606	26
1535	65.55310	-148.88190	13	7	67	0.2	10	70	20	2.52	383	23
1536	65.55410	-148.87810	9	6	58	0.1	10	10	17	2.22	255	21

LIVNGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVNGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Co	Ni	Fe	Mn	Cr
1537	65.56030	-148.87060	13	6	79	0.1	10	10	23	3.1	458	33
1538	65.56360	-148.86860	9	7	67	0.1	10	10	18	2.33	425	24
1541	65.56580	-148.47540	23	11	83	0.1	10	12	28	2.99	255	40
1542	65.56430	-148.47480	17	8	105	0.2	10	26	22	2.82	1380	26
1543	65.56280	-148.46980	14	7	74	0.2	50	34	24	8.41	4820	21
1544	65.56070	-148.46240	9	7	63	0.1	38	18	19	5.92	2320	20
1545	65.55770	-148.44700	21	12	74	0.2	15	12	26	3.81	844	33
1546	65.55380	-148.44110	21	10	70	0.1	10	12	24	3.13	585	27
1547	65.55050	-148.44010	23	9	79	0.1	10	10	28	2.12	202	42
1549	65.56050	-148.38300	11	7	63	0.1	10	13	19	2.91	845	23
1550	65.56080	-148.38460	14	7	79	0.2	10	23	22	2.95	2950	18
1551	65.56120	-148.39370	8	7	50	0.1	10	10	16	2.1	208	20
1552	65.56170	-148.40320	197	8	113	0.1	10	10	15	2.72	151	18
1553	65.56110	-148.41220	16	11	60	0.1	10	10	20	2.49	324	29
1555	65.50540	-148.32940	16	9	62	0.1	10	12	30	3.01	556	34
1557	65.50370	-148.32220	19	8	65	0.1	10	12	53	2.97	562	54
1558	65.50430	-148.32340	20	9	68	0.1	10	13	27	3.45	672	39
1560	65.50170	-148.31540	21	8	69	0.1	10	13	47	3.28	643	53
1561	65.49640	-148.30220	15	8	56	0.1	10	13	32	3.38	565	41
1562	65.49420	-148.29530	15	8	82	0.1	10	14	33	2.83	2710	35
1563	65.49260	-148.29140	16	8	147	0.1	10	43	46	5.52	4610	31
1564	65.54950	-148.51840	8	9	73	0.1	10	10	16	1.97	268	20
1565	65.54940	-148.52680	32	7	62	0.1	10	10	22	2.27	297	29
1567	65.54010	-148.20360	35	28	34	0.2	10	10	13	3.53	179	43
1568	65.54070	-148.20310	18	7	35	0.1	98	10	18	1.16	269	22
1569	65.53830	-148.19530	20	7	51	0.2	105	24	20	1.23	1200	17
1570	65.53750	-148.19050	18	18	34	0.2	10	19	12	2.45	839	16
1573	65.53750	-148.18660	13	10	46	0.1	28	10	14	4.21	10500	16
1574	65.53800	-148.17960	28	22	33	0.3	32	10	10	2.24	10900	20
1575	65.53930	-148.17770	10	9	63	0.1	15	11	18	4.24	430	19
1576	65.54160	-148.17170	14	11	34	0.1	10	10	17	2.83	254	21
1577	65.54240	-148.16350	9	10	57	0.2	53	10	15	3.46	253	20
1578	65.53970	-148.15670	12	8	63	0.1	10	10	15	2.05	340	16
1579	65.53620	-148.15870	15	9	126	0.2	10	77	23	4.6	9730	17
1580	65.54110	-148.15450	10	9	48	0.1	10	10	15	1.98	198	18
1581	65.54390	-148.14980	7	7	49	0.1	10	10	14	1.94	182	16
1582	65.54670	-148.14580	7	7	51	0.1	10	10	14	1.95	171	16
1583	65.54770	-148.14660	9	9	55	0.1	10	10	13	2.26	377	16
1584	65.54920	-148.13850	12	8	72	0.1	10	11	18	2.75	456	22
1585	65.55010	-148.13430	12	8	55	0.1	10	10	18	2.4	273	20
1586	65.54990	-148.12970	15	9	58	0.1	10	10	18	2.37	283	19
1587	65.55020	-148.12080	54	8	35	0.1	10	10	10	1.63	116	12
1588	65.46880	-148.12200	15	13	37	0.2	10	10	14	2.71	300	17
1590	65.46680	-148.12930	15	15	37	0.3	10	10	14	2.61	294	17
1591	65.46610	-148.13060	16	13	33	0.2	10	10	13	2.66	574	15
1592	65.46320	-148.11850	17	26	70	0.3	10	22	24	2.98	6720	15
1593	65.46310	-148.12670	15	20	42	0.1	10	10	13	2.45	895	14
1594	65.46320	-148.14360	12	20	30	0.1	10	10	10	1.79	303	11
1595	65.46480	-148.13440	13	12	23	0.1	10	10	10	1.53	170	10
1596	65.46240	-148.15200	11	15	15	0.1	10	10	10	8.5	90	10
1597	65.46260	-148.14580	10	10	18	0.1	10	10	10	1.08	132	10
1598	65.46190	-148.15390	9	12	21	0.1	10	10	10	1.73	109	10
1599	65.46130	-148.15490	9	12	34	0.1	10	10	10	2.5	361	13
1600	65.46130	-148.16020	9	13	35	0.2	10	10	11	2.92	253	16
1601	65.46180	-148.16460	12	8	55	0.1	10	10	19	4.31	367	21
1602	65.46230	-148.16980	11	11	50	0.1	10	10	22	4.05	280	22
1603	65.46300	-148.17770	10	9	52	0.1	10	10	20	4.08	397	20
1604	65.46220	-148.17710	8	10	43	0.1	10	10	17	3.39	232	19
1605	65.40030	-148.06360	18	14	53	0.1	10	10	26	2.54	263	45
1606	65.39680	-148.06660	17	16	61	0.1	10	15	28	3.22	582	51
1607	65.39310	-148.06450	13	14	55	0.1	10	15	25	2.68	529	45
1608	65.39210	-148.04920	14	14	47	0.1	10	10	23	2.76	272	40
1609	65.39040	-148.05610	14	16	50	0.1	10	11	22	2.96	393	41
1610	65.38980	-148.06120	25	18	90	0.2	10	12	32	4.01	295	55
1611	65.38940	-148.06460	14	13	45	0.1	10	10	20	2.44	185	34
1613	65.39050	-148.06400	13	11	54	0.1	10	18	23	2.88	610	36
1614	65.38720	-148.07050	12	14	46	0.1	10	10	20	2.49	306	38
1615	65.38500	-148.07360	19	15	55	0.2	10	10	23	2.64	286	37
1617	65.38400	-148.07570	17	17	55	0.1	10	10	23	2.6	199	43
1618	65.38220	-148.08130	12	16	51	0.1	10	10	21	2.75	260	40
1619	65.37920	-148.08620	16	14	60	0.1	10	10	23	2.68	244	38
1621	65.37720	-148.08480	28	19	87	0.5	10	16	30	3.34	704	38
1622	65.37180	-148.15110	29	20	84	0.3	10	16	35	3.53	711	53
1624	65.36830	-148.15530	35	20	92	0.3	10	18	38	3.54	1020	46
1625	65.36440	-148.15300	29	18	84	0.2	10	16	34	3.01	1070	43

LIVENGOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Co	Ni	Pb	Mn	Cr
1628	65.36100	-148.15230	30	13	91	0.2	10	18	38	3.28	988	45
1627	65.35750	-148.15160	15	11	63	0.1	10	12	26	2.38	475	36
1629	65.38280	-148.16890	55	24	130	0.5	10	47	42	4.35	2990	57
1630	65.38360	-148.17470	32	13	85	0.2	13	17	30	3.37	877	45
1632	65.38480	-148.17340	38	12	98	0.2	12	15	37	3.51	685	49
1634	65.38420	-148.18480	29	11	71	0.2	13	13	28	3.13	466	43
1635	65.29720	-148.18690	28	12	77	0.5	10	10	27	2.57	218	35
1636	65.29400	-148.18880	32	15	63	0.3	10	11	29	2.89	306	37
1638	65.29150	-148.19440	27	17	83	0.2	12	11	29	2.9	388	36
1640	65.28660	-148.20810	21	11	52	0.1	16	10	23	2.54	463	35
1641	65.25190	-148.19220	16	15	48	0.2	10	21	21	2.69	980	35
1643	65.25360	-148.19190	18	10	45	0.1	10	10	18	2.13	193	33
1644	65.25160	-148.18360	17	12	50	0.1	13	10	20	2.32	223	33
1645	65.25030	-148.17670	19	14	61	0.9	17	15	23	3.92	865	37
1646	65.66070	-148.73440	21	9	64	0.1	10	11	66	3.3	368	121
1648	65.66310	-148.73940	27	11	60	0.1	10	11	66	3.25	294	129
1649	65.66440	-148.74330	31	11	65	0.1	10	11	67	3.03	395	122
1651	65.66580	-148.74510	24	12	61	0.1	10	13	66	3.26	469	119
1652	65.66950	-148.74800	28	11	70	0.1	10	11	69	3.45	449	122
1653	65.67190	-148.74520	22	9	69	0.1	10	10	73	3.19	379	118
1655	65.67360	-148.74900	26	12	85	0.1	10	12	42	2.82	607	60
1657	65.67680	-148.75310	35	11	88	0.1	10	10	41	3.14	276	87
1658	65.67770	-148.75120	14	9	105	0.1	10	10	44	3.99	532	24
1659	65.67990	-148.75570	25	12	135	0.1	10	44	126	4.93	847	54
1660	65.68270	-148.75850	29	12	72	0.1	10	11	28	3.03	365	42
1661	65.68410	-148.75900	19	12	81	0.1	10	12	21	2.93	1040	30
1662	65.68590	-148.76310	24	10	65	0.1	10	10	22	2.85	458	29
1664	65.68910	-148.76570	21	9	57	0.1	10	10	20	2.67	310	28
1665	65.69260	-148.76800	24	10	67	0.1	10	10	23	2.9	420	31
1666	65.66340	-148.68970	25	10	62	0.1	10	10	22	3.07	340	30
1667	65.66680	-148.68470	20	10	62	0.1	10	10	19	2.45	147	29
1668	65.67010	-148.68050	23	10	55	0.1	10	10	19	2.42	147	29
1670	65.67140	-148.67370	23	8	52	0.1	10	10	18	2.72	260	27
1671	65.67180	-148.66500	20	9	56	0.1	10	10	17	2.43	199	27
1672	65.67280	-148.65730	24	11	62	0.1	10	10	19	2.94	343	28
1673	65.67310	-148.64820	24	10	65	0.1	10	10	22	3.01	357	26
1675	65.67440	-148.63920	18	8	53	0.1	10	10	18	2.78	283	28
1676	65.67490	-148.63160	19	7	60	0.1	10	10	19	2.68	296	26
1677	65.67520	-148.62200	20	10	62	0.1	10	10	19	2.85	331	27
1679	65.73370	-148.69820	33	10	83	0.2	10	11	32	2.89	505	38
1681	65.73440	-148.70130	22	9	60	0.1	10	10	19	2.43	354	24
1683	65.73150	-148.70610	34	10	80	0.2	10	10	28	2.65	384	34
1684	65.72920	-148.71200	34	13	85	0.2	10	10	27	2.93	351	36
1685	65.72640	-148.71590	28	11	71	0.2	10	10	23	2.52	342	32
1686	65.72290	-148.71820	20	10	62	0.1	10	10	20	2.36	287	30
1688	65.71950	-148.71880	29	12	80	0.2	10	11	25	2.67	565	32
1689	65.52710	-148.91360	4	13	63	0.2	10	10	20	3.33	405	35
1690	65.39590	-148.53670	22	12	59	0.2	10	10	20	2.74	493	34
1692	65.52160	-148.90340	27	11	66	0.2	10	10	24	2.76	452	32
1693	65.51870	-148.89790	25	12	60	0.1	10	10	21	2.93	412	28
1694	65.51630	-148.89190	24	10	64	0.1	10	10	23	2.87	341	32
1695	65.51360	-148.88600	23	10	73	0.1	10	12	28	3.63	846	35
1696	65.43540	-148.92250	17	11	55	0.2	10	10	28	2.67	215	37
1697	65.43810	-148.92370	14	8	52	0.1	10	10	63	2.31	253	72
1698	65.44100	-148.92470	16	9	61	0.1	10	14	102	2.57	474	79
1699	65.44440	-148.92710	19	11	68	0.2	10	14	104	2.86	427	84
1701	65.44810	-148.92800	18	10	64	0.1	10	14	113	2.78	372	116
1702	65.45050	-148.93350	17	10	62	0.1	10	12	82	2.81	327	87
1703	65.45290	-148.93690	19	8	65	0.1	10	16	134	2.98	475	122
1704	65.28180	-148.83040	93	28	116	0.5	37	12	39	4.03	1440	68
1705	65.28010	-148.82320	84	29	114	0.4	37	11	34	4.64	711	80
1706	65.31270	-148.78510	32	12	64	0.2	10	10	26	3.04	342	35
1707	65.31520	-148.78250	24	12	65	0.2	10	10	23	2.53	164	38
1708	65.31770	-148.78100	23	13	57	0.2	10	10	20	3.16	334	34
1751	65.60440	-148.26910	17	10	57	0.1	10	10	18	2.84	354	31
1752	65.60380	-148.27700	17	10	56	0.1	10	10	17	2.86	330	29
1753	65.60250	-148.27870	15	11	56	0.1	10	10	26	2.5	243	41
1754	65.60290	-148.28430	23	9	65	0.1	10	10	30	2.73	336	40
1756	65.60160	-148.28580	24	13	56	0.1	10	10	28	2.66	253	42
1757	65.60290	-148.29460	19	8	63	0.1	10	10	30	2.66	343	44
1758	65.60520	-148.26290	19	12	63	0.1	10	11	29	3.44	368	46
1759	65.60180	-148.30120	19	9	68	0.1	10	10	29	2.72	350	38
1760	65.59990	-148.30840	23	9	79	0.1	10	12	35	3.01	390	43
1761	65.59940	-148.31480	18	8	61	0.1	10	10	28	2.5	285	37
1762	65.60060	-148.31730	17	10	53	0.1	10	11	25	2.75	462	41

LIVNGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVNGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	Au	Co	Ni	Fe	Mn	Cr
1763	65.59750	-148.32100	20	9	64	0.1	10	11	28	2.59	351	40
1764	65.61420	-148.32280	28	12	43	0.2	10	10	24	2.23	195	38
1765	65.61100	-148.31950	25	14	55	0.1	10	11	28	3.04	302	46
1766	65.60700	-148.31830	20	11	46	0.1	11	10	25	2.65	258	41
1767	65.60340	-148.31510	17	10	55	0.1	10	11	24	2.74	405	38
1768	65.59480	-148.32840	30	8	48	0.1	10	12	29	2.95	464	33
1769	65.59170	-148.33590	18	10	73	0.1	10	29	26	3.7	2400	33
1770	65.53520	-148.19890	16	7	54	0.1	10	21	188	2.78	502	136
1772	65.50600	-148.29570	22	9	61	0.1	10	22	161	3.04	998	48
1773	65.50230	-148.29290	25	11	58	0.1	10	19	121	3.14	610	112
1774	65.49760	-148.28900	30	6	66	0.1	10	20	163	1.5	2330	31
1775	65.49290	-148.28750	31	10	63	0.2	10	17	106	2.77	921	42
1776	65.42710	-148.35430	36	18	95	0.7	17	12	26	3.03	520	35
1777	65.42800	-148.35970	25	10	78	0.2	10	11	28	3.04	449	36
1778	65.42760	-148.36330	38	33	125	0.5	40	21	31	3.7	1200	40
1779	65.42390	-148.36550	20	14	72	0.2	10	12	22	2.81	508	34
1780	65.42520	-148.36690	24	17	73	0.4	10	10	24	2.68	396	32
1781	65.43020	-148.36810	36	23	103	0.5	20	22	30	3.52	1630	36
1782	65.43230	-148.36790	31	17	93	0.2	14	13	30	3.2	712	40
1783	65.43350	-148.37490	22	13	77	0.1	10	10	25	2.65	395	32
1784	65.43440	-148.38210	21	11	68	0.2	10	10	25	2.54	396	31
1785	65.43400	-148.33730	32	17	98	0.8	51	10	21	2.32	190	34
1786	65.43700	-148.34440	44	24	108	0.7	93	16	24	3.27	818	37
1787	65.43590	-148.35020	55	23	148	1.5	99	10	23	2.71	225	31
1788	65.43860	-148.35070	43	29	106	0.6	77	17	24	3.21	844	33
1789	65.44130	-148.35740	34	24	102	0.4	38	17	27	3.24	1190	33
1790	65.44350	-148.36590	34	18	112	0.3	27	19	30	3.21	1840	32
1791	65.42370	-148.51870	51	10	66	0.1	55	11	31	3.42	457	34
1792	65.42570	-148.51970	28	11	59	0.3	16	12	25	3.18	569	37
1794	65.42800	-148.52450	38	9	50	0.2	40	10	23	3.7	402	35
1795	65.43080	-148.52630	285	18	42	0.7	47	10	19	3.78	298	26
1796	65.43230	-148.53240	147	27	61	0.6	91	10	23	2.91	350	35
1797	65.43130	-148.53190	299	11	54	0.2	10	10	27	2.49	357	28
1798	65.43370	-148.54020	36	12	75	0.1	10	14	28	3.48	453	38
1799	65.43500	-148.54760	160	16	78	0.2	31	17	29	3.26	494	32
1800	65.43590	-148.55440	177	16	91	0.2	21	18	34	3.35	524	31
1802	65.43800	-148.55970	58	21	98	0.1	10	15	34	4.19	521	42
1804	65.43760	-148.56510	77	16	89	0.1	10	15	34	3.36	469	38
1805	65.43840	-148.57480	70	14	86	0.1	10	14	35	3.09	385	37
1806	65.44040	-148.58190	107	18	97	0.2	13	16	33	3.5	486	36
1807	65.31400	-148.58230	26	13	75	0.2	10	13	28	3.2	815	35
1809	65.31460	-148.57580	37	14	90	0.4	10	13	32	3.51	727	36
1810	65.31400	-148.56900	30	15	82	0.1	10	11	27	3.05	807	31
1811	65.31220	-148.55880	21	10	70	0.1	10	10	22	3.67	608	30
1812	65.31090	-148.55120	25	9	70	0.1	10	12	26	3.23	420	31
1813	65.31030	-148.53740	26	10	73	0.2	10	12	26	3.44	1020	31
1814	65.30240	-148.58740	23	12	57	0.1	10	10	18	2.29	388	26
1815	65.30360	-148.58730	28	14	72	0.2	10	14	25	3	704	34
1817	65.30270	-148.57990	21	10	74	0.1	10	12	25	3.02	630	32
1818	65.30320	-148.57010	21	10	78	0.1	10	12	24	2.93	669	31
1819	65.30310	-148.56200	19	10	73	0.1	10	10	24	2.65	563	30
1820	65.30280	-148.55010	19	10	70	0.1	10	10	22	2.85	568	30
1821	65.30340	-148.53970	19	10	67	0.1	10	10	20	2.7	613	26
1822	65.54070	-148.67320	10	9	48	0.1	10	10	19	3.9	241	20
1823	65.54090	-148.67670	10	12	52	0.1	10	10	19	4.28	287	20
1824	65.54410	-148.68030	11	11	43	0.1	10	10	14	3.91	390	15
1826	65.54350	-148.68570	13	8	53	0.1	10	11	19	4.13	504	18
1827	65.54470	-148.68650	9	9	41	0.1	10	10	20	3.42	242	22
1828	65.54740	-148.69310	9	10	46	0.1	10	10	24	3.54	325	25
1829	65.55030	-148.69770	11	9	46	0.1	10	10	24	3.48	286	23
1831	65.55360	-148.70260	10	9	47	0.1	10	10	23	3.62	429	21
1832	65.55650	-148.70650	9	8	40	0.1	10	10	22	2.99	232	21
1833	65.55970	-148.71030	5	8	34	0.1	10	10	19	2.47	166	19
1834	65.50280	-148.78490	5	21	28	0.1	10	10	15	2.25	205	17
1835	65.52690	-148.71760	14	9	32	0.1	10	10	18	2.31	235	17
1836	65.53140	-148.71610	3	9	21	0.1	10	10	10	2.18	83	15
1838	65.53520	-148.71590	16	6	53	0.1	10	10	22	4.23	467	40
1839	65.53750	-148.71680	15	8	54	0.1	10	11	20	4.52	651	31
1840	65.537282 8	-148.71360	16	7	58	0.1	10	10	20	4.32	684	35
1841	65.54060	-148.71800	13	9	50	0.1	10	10	18	4.14	439	29
1842	65.54420	-148.72290	14	9	54	0.1	10	10	21	4.35	391	30
1844	65.54450	-148.73050	13	8	50	0.1	10	10	19	3.9	399	28
1845	65.54780	-148.73750	15	8	56	0.1	10	10	21	4.42	386	30
1846	65.54870	-148.74630	21	13	64	0.1	10	10	34	2.68	511	33
1847	65.46360	-148.81380	16	12	61	0.1	10	20	180	3.19	426	140

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Co	Ni	Fe	Mn	Cr
1848	65.48200	-148.81810	16	13	71	0.1	10	28	276	3.17	584	207
1849	65.48400	-148.82160	20	12	73	0.1	10	16	154	3.05	407	102
1851	65.48590	-148.82030	17	14	64	0.1	12	28	321	3.52	438	229
1852	65.48880	-148.82310	18	13	63	0.1	11	26	290	3.45	434	211
1853	65.47190	-148.82610	18	16	63	0.1	10	23	253	3.23	409	187
1854	65.47470	-148.83140	15	15	62	0.1	11	23	244	3.25	402	192
1855	65.46760	-148.78650	35	17	64	0.1	10	34	470	3.99	522	345
1857	65.47170	-148.78690	30	14	63	0.1	10	30	371	3.84	479	254
1858	65.47450	-148.78880	23	14	67	0.1	10	24	284	3.33	409	204
1859	65.47800	-148.78830	28	14	62	0.1	10	23	250	3.38	459	794
1861	65.57480	-148.48470	19	0	90	0.1	14	10	31	2.8	560	36
1863	65.57240	-148.48890	20	0	91	0.1	14	13	31	2.49	709	30
1864	65.58900	-148.49480	20	0	97	0.1	11	17	32	2.79	1230	31
1865	65.58780	-148.50070	35	19	85	0.1	10	12	30	2.36	445	32
1866	65.58640	-148.50880	26	18	93	0.1	10	13	29	2.53	530	33
1868	65.58800	-148.51200	27	24	80	0.1	11	24	29	3.52	1440	32
1869	65.58460	-148.51700	34	20	106	0.1	10	14	31	2.64	680	31
1870	65.58200	-148.52350	32	16	111	0.1	11	16	31	3.26	1090	33
1871	65.56090	-148.53630	21	12	54	0.1	10	10	20	2.71	270	30
1872	65.56000	-148.53440	25	13	78	0.1	10	11	25	2.46	308	30
1873	65.55770	-148.54070	23	13	79	0.1	10	11	24	2.43	482	29
1874	65.55600	-148.54740	22	14	79	0.1	10	12	24	2.5	666	29
1875	65.55420	-148.55730	19	14	63	0.1	10	10	21	2.42	270	30
1876	65.55250	-148.55830	19	13	70	0.1	10	10	22	2.68	481	28
1877	65.54060	-148.62200	14	13	43	0.1	10	10	14	2.36	136	25
1879	65.53890	-148.60970	18	11	49	0.1	10	10	17	2.15	230	32
1880	65.53820	-148.59800	20	13	68	0.1	10	11	21	3.01	373	30
1881	65.53890	-148.58960	14	12	61	0.1	10	10	14	2.19	215	21
1882	65.53850	-148.57820	17	13	66	0.1	10	15	19	3.32	759	25
1883	65.53730	-148.58910	23	17	65	0.1	10	11	19	2.77	463	24
1885	65.53440	-148.38610	23	21	70	0.1	21	14	26	2.35	417	34
1886	65.53800	-148.38960	25	15	78	0.1	10	12	29	3.06	405	35
1887	65.54130	-148.39520	24	20	95	0.1	41	20	28	4.39	2770	28
1888	65.54590	-148.39360	20	14	65	0.2	10	10	19	2.69	239	26
1889	65.54980	-148.39520	17	14	64	0.1	10	10	19	2.68	337	26
1891	65.55120	-148.40120	15	12	60	0.1	10	10	18	2.5	356	24
1892	65.55290	-148.41020	16	13	63	0.1	10	10	18	2.6	358	23
1893	65.55240	-148.41830	16	15	61	0.1	10	10	19	2.64	376	26
1894	65.55370	-148.50650	16	14	66	0.1	10	10	24	2.53	359	30
1895	65.55000	-148.49990	15	14	62	0.1	10	10	18	2.24	304	25
1896	65.54560	-148.49680	16	15	68	0.1	10	10	18	2.2	648	24
1897	65.54270	-148.49570	20	13	58	0.1	10	10	18	2.26	247	24
1898	65.61240	-148.37390	19	18	54	0.1	10	10	16	2.99	199	27
1899	65.60730	-148.37860	26	18	59	0.1	10	13	17	3.47	521	30
1901	65.60460	-148.36380	27	17	45	0.1	10	13	14	3.15	600	24
1902	65.60210	-148.36960	44	16	53	0.1	10	30	16	2.94	1090	22
1903	65.62380	-148.37740	9	14	48	0.1	10	10	11	2.41	117	19
1904	65.62210	-148.38390	14	14	16	0.1	10	10	14	2.68	282	23
1905	65.62090	-148.39150	17	14	55	0.1	10	10	17	2.82	338	27
1907	65.61920	-148.40160	15	12	52	0.1	10	11	17	2.7	495	25
1908	65.61660	-148.41060	16	13	65	0.1	10	12	18	2.77	659	24
1909	65.51650	-148.47920	20	14	63	0.1	13	23	114	3.4	769	130
1910	65.62010	-148.48430	29	15	92	0.1	36	30	216	4.15	1040	180
1912	65.62370	-148.48680	29	14	67	0.1	36	26	256	3.74	686	153
1913	65.62390	-148.48970	18	11	58	0.1	192	18	138	2.9	490	108
1914	65.62680	-148.48750	23	14	67	0.1	10	13	63	3.01	456	68
1915	65.62800	-148.49280	18	13	61	0.1	44	13	84	2.74	458	70
1916	65.63290	-148.49800	20	14	65	0.1	27	13	76	2.66	452	57
1917	65.48960	-148.04760	30	17	64	0.5	10	13	23	2.75	492	37
1918	65.48790	-148.05280	25	18	76	0.2	10	15	27	3.62	724	43
1919	65.48570	-148.05940	20	16	73	0.1	10	13	29	3.58	637	42
1921	65.48330	-148.06730	18	14	63	0.1	10	10	22	2.81	366	32
1922	65.48270	-148.07520	16	13	66	0.1	10	10	22	3	381	32
1923	65.47960	-148.07940	16	12	64	0.1	10	10	21	2.76	341	29
1924	65.48050	-148.08350	17	14	66	0.1	10	10	19	2.65	301	28
1925	65.48050	-148.09230	18	14	70	0.1	10	12	22	3.07	511	32
1927	65.48070	-148.09740	35	20	100	0.2	10	17	34	4.01	849	36
1929	65.48420	-148.09870	15	13	62	0.1	10	10	20	2.71	452	28
1930	65.48620	-148.10530	14	10	54	0.1	10	10	16	2.36	309	21
1931	65.48950	-148.11000	15	11	56	0.1	10	10	17	2.52	324	23
1933	65.49620	-148.11930	12	8	53	0.1	10	10	16	2.41	355	22
1934	65.49810	-148.12700	17	10	62	0.1	10	11	19	2.67	438	26
1935	65.49900	-148.13850	14	9	55	0.1	10	10	18	2.98	298	23
1937	65.38320	-148.13870	14	8	34	0.2	12	10	18	1.98	184	32
1938	65.38610	-148.13700	25	15	65	0.2	21	21	24	3.13	893	39

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Ca	Ni	Fe	Mn	Cr
1940	65.38890	-148.13940	24	11	52	0.3	20	10	23	2.73	422	42
1941	65.39270	-148.13870	22	11	53	0.3	10	11	22	2.85	448	39
1942	65.39800	-148.13330	19	11	50	0.2	20	10	22	2.43	279	38
1945	65.40480	-148.12250	21	8	57	0.1	10	11	22	2.96	432	37
1946	65.40400	-148.12490	25	10	59	0.1	10	10	23	2.95	335	34
1947	65.40820	-148.12180	16	8	49	0.1	10	10	20	2.5	220	35
1948	65.40820	-148.12520	17	8	52	0.1	10	10	20	2.57	265	33
1949	65.40820	-148.13570	15	7	46	0.1	10	10	19	2.35	245	33
1951	65.26630	-148.15020	9	8	31	0.1	10	10	14	1.79	114	29
1952	65.26990	-148.14880	13	10	42	0.1	27	10	17	2.26	122	34
1953	65.27340	-148.15090	15	12	43	0.1	10	12	16	2.74	5	33
1955	65.27700	-148.15560	15	12	45	0.1	42	10	18	2.77	316	31
1956	65.28040	-148.15990	13	10	42	0.1	35	10	17	2.54	296	30
1957	65.26520	-148.19860	10	11	28	0.1	10	10	14	1.78	89	28
1958	65.26870	-148.20000	16	14	47	0.1	10	10	18	3.11	293	36
1959	65.27290	-148.20250	14	11	38	0.1	33	10	18	2.27	157	31
1960	65.27680	-148.20330	24	11	65	0.1	10	12	24	3.45	355	40
1962	65.29010	-147.99980	20	15	76	0.1	10	15	24	3.19	770	35
1963	65.28440	-148.00660	19	15	82	0.1	19	19	34	3.51	1050	38
1965	65.28810	-148.01270	14	12	63	0.1	33	14	21	2.85	767	27
1966	65.28800	-148.02050	16	14	72	0.1	34	15	23	3.01	951	33
1967	65.28880	-148.02890	11	12	58	0.1	31	13	22	2.58	535	31
1968	65.28740	-148.04020	16	21	40	0.1	20	10	19	2.42	257	39
1969	65.28900	-148.04050	20	17	73	0.1	30	16	27	3.18	967	42
1970	65.28840	-148.04980	20	18	71	0.2	10	16	26	3.13	1160	40
1971	65.28710	-148.05900	13	11	52	0.1	35	12	21	2.58	863	30
1972	65.28490	-148.06810	15	13	59	0.1	37	14	22	2.78	1090	34
1974	65.28290	-148.07700	15	12	54	0.1	36	11	21	2.67	725	35
1975	65.28080	-148.08590	21	14	63	0.1	27	13	23	3.11	717	36
1976	65.27920	-148.09200	23	15	65	0.2	27	13	23	3.09	781	38
1977	65.27780	-148.10160	15	12	55	0.1	10	11	20	2.65	569	33
1978	65.67210	-148.69790	17	7	56	0.1	10	10	17	2.61	303	27
1980	65.67570	-148.69690	28	12	72	0.1	10	11	20	3.59	491	26
1981	65.67940	-148.69430	18	8	58	0.1	10	10	18	2.69	323	28
1982	65.68290	-148.69310	25	10	67	0.1	10	10	22	2.91	527	32
1983	65.68680	-148.69470	22	9	60	0.1	10	8	19	2.63	353	28
1984	65.68980	-148.69970	23	8	72	0.1	10	10	22	2.91	602	29
1985	65.69420	-148.70600	20	9	10	0.1	10	10	20	2.75	570	28
1986	65.69480	-148.71660	17	6	57	0.1	10	10	17	2.6	323	29
1987	65.69470	-148.72810	20	7	63	0.1	10	10	19	2.86	349	28
1988	65.69870	-148.72690	18	7	61	0.1	10	10	18	2.63	309	29
1989	65.68370	-148.49220	30	10	75	0.2	10	14	24	3.29	611	34
1990	65.68680	-148.49240	19	9	57	0.1	10	10	19	2.8	315	26
1992	65.69070	-148.49570	27	9	71	0.1	10	10	25	3.04	401	28
1993	65.69050	-148.50480	18	8	60	0.1	10	10	18	2.49	288	23
1994	65.69460	-148.49690	20	9	63	0.1	10	11	20	2.97	643	28
1995	65.69850	-148.49680	25	10	66	0.1	10	10	22	2.83	406	30
1996	65.70180	-148.49650	20	9	67	0.1	10	10	20	2.98	490	28
1997	65.70610	-148.49260	22	8	66	0.1	10	10	21	2.92	468	31
1998	65.71020	-148.49450	15	6	58	0.1	10	10	17	2.59	674	26
1999	65.71320	-148.49970	20	8	71	0.1	10	13	22	2.98	902	28
2001	65.63850	-148.78340	26	11	65	0.1	10	16	77	3.84	514	127
2002	65.63820	-148.79220	20	9	58	0.1	10	13	76	3.19	370	126
2003	65.63530	-148.80230	24	8	62	0.1	10	12	82	3	392	128
2004	65.63450	-148.81150	20	8	57	0.1	10	12	79	2.94	390	125
2005	65.63490	-148.82110	18	7	57	0.1	10	11	78	3	378	130
2006	65.63450	-148.83110	17	5	61	0.1	10	11	78	2.93	355	127
2007	65.63480	-148.83380	20	6	62	0.1	10	12	78	2.96	371	120
2008	65.63410	-148.84260	19	6	59	0.1	10	11	77	2.89	345	127
2009	65.63320	-148.85020	16	5	56	0.1	10	11	76	2.86	368	122
2010	65.63410	-148.86050	23	8	68	0.1	10	12	79	3.04	381	115
2011	65.63220	-148.86190	19	6	63	0.1	10	11	76	2.91	329	129
2012	65.63020	-148.87490	19	7	62	0.1	10	12	73	2.87	510	123
2013	65.62980	-148.88290	18	7	61	0.1	10	13	73	3.11	663	126
2014	65.63300	-148.88440	26	10	78	0.1	10	16	76	3.42	1160	125
2015	65.49440	-148.98120	19	10	58	0.1	10	18	70	3.32	864	125
2016	65.49690	-148.97330	18	10	56	0.1	10	12	68	3.1	441	123
2017	65.49950	-148.96340	17	8	53	0.1	10	11	66	2.69	372	119
2019	65.49850	-148.95850	22	10	62	0.1	10	19	69	3.15	1100	114
2020	65.50390	-148.95690	19	9	59	0.1	10	14	68	3.07	658	115
2021	65.50630	-148.95890	19	9	52	0.1	10	12	67	2.75	509	115
2022	65.50810	-148.94790	19	9	55	0.1	10	14	66	2.97	708	113
2024	65.50840	-148.93840	24	10	60	0.1	10	15	70	3.25	649	123
2025	65.50710	-148.93780	21	10	61	0.1	10	14	68	2.89	552	117
2026	65.51020	-148.92970	22	10	58	0.1	10	15	70	3.4	625	125

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Cd	Ni	Fe	Mn	Cr
2027	65.51130	-148.91710	24	10	75	0.1	10	22	72	3.65	1600	123
2028	65.51000	-148.91910	23	8	58	0.2	10	12	67	2.99	647	118
2029	65.51110	-148.90880	22	9	67	0.1	10	18	70	3.3	897	121
2030	65.51050	-148.90090	22	7	65	0.1	10	17	70	3.24	940	121
2032	65.50900	-148.89080	22	11	63	0.1	10	16	70	3.14	971	118
2033	65.50910	-148.87990	27	10	76	0.1	10	19	73	3.73	1350	123
2034	65.29910	-148.83660	29	12	56	0.1	30	12	71	3.37	405	125
2035	65.30290	-148.83440	28	8	61	0.1	10	12	75	3.08	383	127
2036	65.30580	-148.83390	22	9	63	0.1	62	12	73	3.7	353	124
2037	65.30980	-148.83260	24	8	65	0.1	10	13	78	3.15	410	123
2038	65.30960	-148.82930	32	10	51	0.1	123	11	69	3.49	294	119
2040	65.31320	-148.82980	27	7	66	0.1	10	12	79	3.18	325	129
2041	65.31680	-148.82580	20	8	66	0.1	10	11	76	2.76	336	126
2042	65.32000	-148.81850	28	11	80	0.1	10	11	80	2.91	341	130
2043	65.32300	-148.81310	23	12	63	0.1	10	12	78	3.04	428	126
2045	65.32720	-148.81120	23	9	63	0.1	10	13	76	3.1	523	129
2046	65.33110	-148.81050	24	10	63	0.1	10	12	76	2.93	383	121
2047	65.33440	-148.80830	16	9	48	0.1	10	10	69	2.52	254	122
2048	65.33790	-148.80350	20	9	55	0.1	10	11	73	2.86	394	129
2050	65.34120	-148.79700	24	11	87	0.1	10	13	72	3.23	443	126
2051	65.37310	-148.99860	20	12	57	0.1	10	12	72	2.63	432	123
2053	65.37620	-148.99720	20	10	58	0.1	10	11	72	2.73	470	126
2054	65.37850	-148.98890	20	10	58	0.1	10	11	72	2.82	408	123
2055	65.37970	-148.97820	21	11	58	0.1	10	12	73	2.86	488	125
2056	65.38130	-148.96960	23	11	59	0.1	10	12	74	2.76	460	128
2057	65.38810	-148.97240	28	11	66	0.2	10	13	83	2.88	325	132
2059	65.38640	-148.96910	22	10	62	0.1	10	11	74	2.91	390	123
2061	65.38620	-148.96210	16	7	65	0.1	10	10	70	2.48	279	121
2062	65.38650	-148.95110	22	9	60	0.1	10	12	78	2.98	423	129
2063	65.38380	-148.93920	19	8	57	0.1	10	11	74	2.75	367	127
2064	65.42250	-148.93260	33	12	101	0.2	10	12	93	3.01	466	134
2065	65.42020	-148.92380	21	12	80	0.2	10	13	101	3.13	565	144
2067	65.41990	-148.91500	20	10	68	0.1	10	12	93	3.13	406	144
2068	65.41970	-148.90620	25	12	77	0.2	10	12	90	3.26	448	130
2069	65.41960	-148.89720	25	11	83	0.1	10	14	91	3.35	419	122
2070	65.41840	-148.88850	28	11	89	0.1	10	15	97	3.65	450	138
2074	65.39750	-148.91390	27	11	79	0.1	10	13	82	3.24	587	136
2075	65.41260	-148.54320	29	9	64	0.1	10	17	73	3.11	893	124
2077	65.41200	-148.55120	30	8	66	0.1	10	17	75	3.39	868	126
2078	65.41230	-148.56030	28	8	58	0.1	10	14	74	3.24	799	119
2079	65.41130	-148.56630	35	7	63	0.3	10	14	77	3.12	1740	132
2080	65.41230	-148.56700	37	10	69	0.2	14	17	82	3.68	1390	134
2081	65.41220	-148.57690	30	9	57	0.1	10	12	74	2.97	396	128
2083	65.37170	-148.57850	30	38	179	0.8	10	13	76	3.4	607	126
2085	65.36860	-148.59970	37	185	299	2.8	27	16	81	3.43	1470	122
2086	65.36620	-148.59180	31	42	186	1.1	10	17	77	3.39	434	127
2087	65.25890	-148.61480	33	10	74	0.2	10	17	82	3.39	8520	131
2088	65.25850	-148.62380	20	8	56	0.1	10	11	69	2.8	434	120
2090	65.26000	-148.63430	27	9	78	0.1	10	15	76	3.54	1030	123
2091	65.29230	-148.57990	24	9	66	0.1	10	11	89	2.54	363	119
2092	65.29130	-148.57810	29	15	82	0.2	10	13	76	3.05	410	130
2093	65.29250	-148.57060	28	11	66	0.1	10	13	71	2.86	609	123
2094	65.29330	-148.56210	24	12	64	0.1	10	10	73	2.79	463	129
2096	65.29380	-148.55210	22	12	70	0.1	10	11	75	2.94	490	123
2097	65.29490	-148.54280	22	11	67	0.1	10	11	72	2.81	365	123
2098	65.29560	-148.53270	21	10	59	0.1	10	11	72	2.83	421	125
2099	65.29760	-148.51150	33	11	78	0.3	10	11	83	2.95	600	129
2100	65.32480	-148.50380	23	10	72	0.1	10	12	76	3.11	589	126
2122	65.71800	-148.66110	37	12	80	0.1	10	18	70	4.93	564	122
2124	65.73310	-148.44770	26	7	101	0.1	10	13	31	3.37	299	36
2194	65.74590	-148.17320	32	8	36	0.1	10	10	23	2.38	602	1
2195	65.42430	-148.99620	24	9	96	0.1	10	13	64	3.92	502	30
2196	65.42450	-148.99350	30	8	61	0.1	10	10	36	2.91	747	12
2197	65.42640	-148.99580	23	8	61	0.1	10	10	40	3.13	570	31
2501	65.75010	-148.29060	23	5	31	0.1	10	10	25	2.51	481	10
2502	65.74790	-148.29750	18	5	32	0.1	10	10	21	2.64	309	10
2504	65.42920	-148.99000	23	8	91	0.2	10	18	48	3.47	1370	47
2505	65.42830	-148.98980	19	8	79	0.3	10	10	28	2.66	323	28
2506	65.42940	-148.99590	19	9	88	0.2	10	10	35	2.54	252	38
2805	65.42070	-148.37760	37	14	89	0.6	10	12	24	3.81	500	31
2806	65.42620	-148.37870	22	18	76	0.2	10	11	21	2.95	552	30
3161	65.49420	-148.73880	47	13	118	0.3	10	10	38	3.25	598	25
3167	65.36110	-148.08540	72	21	130	0.2	20	20	36	5.34	793	22
3168	65.73310	-148.51540	39	11	152	0.2	10	22	75	3.87	2490	120
3170	65.71590	-148.59090	37	11	78	0.2	10	14	71	3.46	613	125

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	Ag	As	Ca	Ni	Yb	Mn	Cr
3171	65.36010	-148.84990	68	18	98	0.5	10	10	38	3.25	598	26
3218	65.48580	-148.48670	35	88	203	0.4	10	14	77	3.41	817	133
3224	65.45350	-148.52040	47	86	212	1.1	31	13	73	3.05	576	129
3225	65.45010	-148.51470	298	70	93	0.9	68	10	64	9.46	173	123
3238	65.73950	-148.06130	68	54	206	0.5	15	27	113	4.55	614	112
3239	65.73990	-148.06700	45	16	102	0.1	10	24	94	4.67	877	138
3241	65.72600	-148.14210	19	20	72	0.1	10	19	24	3.36	1680	24
3242	65.72660	-148.13720	12	9	50	0.1	10	12	20	2.49	525	22
3243	65.72920	-148.13640	12	10	57	0.1	10	10	19	2.58	486	20
3244	65.72880	-148.13960	13	12	61	0.1	10	14	21	3.06	630	20
3245	65.73210	-148.13600	14	8	54	0.1	10	10	20	2.38	383	23
3246	65.73180	-148.14000	8	9	55	0.1	10	11	20	2.71	327	20
3247	65.73520	-148.14270	12	10	63	0.1	10	12	22	3.08	496	21
3248	65.73880	-148.14850	12	9	77	0.1	10	10	25	2.71	422	34
3249	65.73320	-148.11060	11	10	53	0.1	10	10	18	2.47	330	23
3250	65.73280	-148.11380	21	13	118	0.1	10	23	24	3.1	1970	24
3251	65.69040	-148.40480	22	9	97	0.1	10	14	30	3.71	689	29
3522	65.73080	-148.52490	37	11	90	0.1	10	15	77	3.91	656	120
4201	65.70250	-148.82950	30	11	65	0.2	10	10	64	2.81	389	119
4203	65.64630	-148.72050	27	8	75	0.1	19	0	0	0	0	0
4205	65.64120	-148.72030	22	6	61	0.1	10	0	0	0	0	0
4206	65.63730	-148.71940	21	7	88	0.1	12	0	0	0	0	0
4207	65.63320	-148.72040	17	5	62	0.1	10	0	0	0	0	0
4208	65.63250	-148.71820	20	8	68	0.1	10	0	0	0	0	0
4209	65.62930	-148.71330	22	6	61	0.1	10	0	0	0	0	0
4210	65.62770	-148.71410	17	4	66	0.1	10	0	0	0	0	0
4211	65.62420	-148.71400	20	6	66	0.1	10	0	0	0	0	0
4217	65.62790	-148.75920	49	4	67	0.2	10	0	0	0	0	0
4218	65.62300	-148.75800	43	8	71	0.1	10	0	0	0	0	0
4219	65.71400	-148.76250	18	7	74	0.1	10	0	0	0	0	0
4222	65.70940	-148.78590	20	7	63	0.1	10	0	0	0	0	0
4223	65.72950	-148.77620	18	7	69	0.1	10	0	0	0	0	0
4224	65.73270	-148.78470	18	6	65	0.1	10	0	0	0	0	0
4226	65.73670	-148.79200	18	7	68	0.1	10	0	0	0	0	0
4227	65.73930	-148.80300	14	5	56	0.1	10	0	0	0	0	0
4229	65.74380	-148.74870	16	6	62	0.1	10	0	0	0	0	0
4230	65.74450	-148.75650	15	6	63	0.1	10	0	0	0	0	0
4231	65.74520	-148.76640	14	5	65	0.1	10	0	0	0	0	0
4232	65.74510	-148.77670	15	4	57	0.1	10	0	0	0	0	0
4234	65.74530	-148.78670	20	5	61	0.1	10	0	0	0	0	0
4235	65.64360	-148.30200	12	5	53	0.1	10	0	0	0	0	0
4237	65.64710	-148.29790	17	7	66	0.2	10	0	0	0	0	0
4238	65.65040	-148.29430	12	5	60	0.1	10	0	0	0	0	0
4239	65.65420	-148.29350	19	8	82	0.2	10	0	0	0	0	0
4240	65.65830	-148.29590	15	5	60	0.2	10	0	0	0	0	0
4241	65.66140	-148.29890	16	6	93	0.2	10	0	0	0	0	0
4242	65.61360	-148.14220	22	7	67	0.2	10	0	0	0	0	0
4244	65.61890	-148.14740	26	9	48	0.2	10	0	0	0	0	0
4245	65.61990	-148.15180	20	8	58	0.1	10	0	0	0	0	0
4246	65.62250	-148.15950	24	9	69	0.1	10	0	0	0	0	0
4248	65.62340	-148.16970	22	8	74	0.1	10	0	0	0	0	0
4249	65.61360	-148.16740	21	9	49	0.1	10	0	0	0	0	0
4250	65.61490	-148.17790	23	8	69	0.1	10	0	0	0	0	0
4252	65.62190	-148.11470	16	7	58	0.1	10	0	0	0	0	0
4254	65.62280	-148.11380	14	6	58	0.1	10	0	0	0	0	0
4255	65.62630	-148.12190	11	5	41	0.1	10	10	68	2.51	241	138
4256	65.62820	-148.12720	15	6	55	0.1	10	13	74	3.05	604	150
4257	65.62980	-148.13680	15	5	51	0.1	10	11	71	2.64	404	136
4258	65.63030	-148.14570	23	7	63	0.1	10	14	77	3.26	633	151
4260	65.62950	-148.15400	14	6	49	0.1	10	11	70	2.82	440	141
4261	65.63060	-148.16470	19	6	61	0.1	10	12	75	2.93	347	150
4262	65.62970	-148.17320	18	6	58	0.1	10	13	72	3.07	510	144
4263	65.63680	-148.06180	24	9	98	0.4	10	166	80	6.4	17800	144
4264	65.63850	-148.06910	15	6	72	0.1	10	34	73	4.94	1350	139
4265	65.64000	-148.07840	17	8	81	0.1	10	13	72	3.03	616	142
4266	65.64370	-148.08190	16	6	58	0.2	10	15	71	3.32	760	146
4267	65.64700	-148.08920	15	5	50	0.1	10	10	69	2.56	319	141
4268	65.60260	-148.09640	35	13	49	0.2	10	15	72	3.27	782	144
4269	65.60090	-148.08870	37	15	58	0.1	10	14	73	3.26	1240	141
4271	65.59820	-148.07990	28	14	48	0.1	10	13	71	2.96	717	137
4273	65.59520	-148.07220	27	12	47	0.1	10	15	71	2.85	983	135
4274	65.59420	-148.06300	20	9	50	0.1	10	11	71	3.07	532	139
4276	65.59080	-148.05480	36	9	64	0.1	10	11	74	2.75	283	143
4277	65.61700	-148.06560	26	11	41	0.2	10	11	69	3.37	359	141
4278	65.61740	-148.05770	21	10	56	0.1	10	18	70	3.1	978	136

LIVENGOOD STREAM SEDIMENT CHEMICAL ANALYSES - ADGGS LIVENGOOD PROJECT DATABASE

SAMPLE	LATITUDE	LONGITUDE	Cu	Pb	Zn	As	Ag	Co	Ni	Fe	Mn	Cr
4279	65.61610	-148.04970	26	11	56	0.2	10	15	71	3.31	732	128
4280	65.61450	-148.04140	18	9	48	0.1	10	13	68	2.8	589	127
4283	65.61220	-148.03290	23	9	55	0.1	10	17	89	3.43	874	128
4285	65.60920	-148.02570	25	9	68	0.1	10	20	74	4.02	2020	135
4286	65.63700	-148.04630	34	6	60	0.1	10	24	190	4.33	1050	219
4287	65.63510	-148.08130	31	6	67	0.1	10	32	272	4.67	1210	254
4289	65.55550	-148.06230	18	6	65	0.1	10	20	120	3.88	1010	169
4290	65.56400	-148.03740	18	4	60	0.1	10	27	265	4.08	612	282
4292	65.58020	-148.08830	21	10	42	0.1	10	10	64	2.56	157	122
4294	65.67090	-148.02620	19	6	71	0.1	10	19	179	3.62	530	226