

## GRIDDED DATA PRESENTATION

Gridded element maps for each survey area are provided as PDF files. Survey results were gridded and colour contoured using parameters defined from the following statistical analysis of the entire 2005 geochemical database. Grid cell size is 100 metres using a linear search radius of 6.4 kilometres and weighting power of 2.

Pass No. 2 represents a statistical analysis of the sample population of less than mean plus two standard deviations. Sample results of greater than mean plus two standard deviations (Pass No. 2) are considered anomalous. This statistical analysis does not account for the various geological domains that underlie the survey area. For INAA, statistical analysis were not performed for Ni, Sn, Ir, Se, Sr, Ag and Hg due inadequate detection limits and/or precision.

Statistical Analysis of Water Samples

Element	Pass	n	min	max	mean	std dev
pH	1	1376	3.38	8.46	7.45	0.68
	2	1376	3.38	8.46	7.45	0.68
Conductivity	1	1376	1.88	902	158.29	115.61
	2	1324	1.88	388	145.02	92.87
F	1	1376	0.01	1.72	0.05	0.09
	2	1323	0.01	0.21	0.04	0.03

Statistical Analysis of Sediment Samples – LOI & F

Element	Pass	n	min	max	mean	std dev
LOI	1	1409	0.3	55.2	9.9	9
%	2	1304	0.3	27.9	7.9	6.1
F	1	1409	50	2040	528	294
ppm	2	1340	50	1110	485	152

Statistical Analysis of Sediment Samples - ICPMS

Element	Pass	n	min	max	mean	std dev
Mo	1	1409	0.04	27.62	0.78	1.57
ppm	2	1381	0.04	3.84	0.6	0.54
Cu	1	1409	0.71	408.44	27.59	19.17
ppm	2	1375	0.71	65.6	25.95	13.37
Pb	1	1409	0.86	199.66	11.07	9.42
ppm	2	1379	0.86	29.62	10.3	6.29
Zn	1	1409	2.8	444.9	58.5	34.8
ppm	2	1376	2.8	123.8	55	23.5
Ag	1	1409	3	1747	51	82
ppb	2	1382	3	213	42	28
Ni	1	1409	2	150	30	16
ppm	2	1358	2	62	28	12
Co	1	1409	0.9	122.5	13.4	7.7
ppm	2	1376	0.9	28.8	12.7	5
Mn	1	1409	24	5410	433	277
ppm	2	1374	24	984	407	178
Fe	1	1409	0.25	7.86	2.53	0.94
%	2	1367	0.25	4.4	2.46	0.84
As	1	1409	0.1	160.2	5.1	9.6

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<i>ppm</i>	2	1367	0.1	23.9	3.9	4.5
U	1	1409	0.1	45.9	2.6	3.7
<i>ppm</i>	2	1369	0.1	10	2.1	1.8
Au	1	1409	0.1	556.2	3.3	21.9
<i>ppb</i>	2	1390	0.1	42.2	1.4	3.5
Th	1	1409	0.1	107.5	8	6.5
<i>ppm</i>	2	1381	0.1	20.8	7.6	4.1
Sr	1	1409	0.9	1285.7	77.2	121.5
<i>ppm</i>	2	1332	0.9	318.5	55.3	72.1
Cd	1	1409	0.01	6.45	0.12	0.33
<i>ppm</i>	2	1384	0.01	0.65	0.08	0.08
Sb	1	1409	0.01	4.87	0.19	0.35
<i>ppm</i>	2	1356	0.01	0.89	0.14	0.17
Bi	1	1409	0.01	7.37	0.3	0.37
<i>ppm</i>	2	1381	0.01	1	0.26	0.15
V	1	1409	1	226	17	15
<i>ppm</i>	2	1346	1	46	15	11
Ca	1	1409	0.02	40	3.71	6.72
%	2	1306	0.02	17.14	2.16	3.76
P	1	1409	0.01	1.06	0.09	0.06
%	2	1353	0.01	0.21	0.08	0.03
La	1	1409	1.6	693.4	21.8	25.4
<i>ppm</i>	2	1377	1.6	71.2	19.5	12.3
Cr	1	1409	1.4	122.9	24.3	14.8
<i>ppm</i>	2	1353	1.4	53.8	22.4	11.2
Mg	1	1409	0.05	11.9	1.15	1.32
%	2	1354	0.05	3.78	0.93	0.66
Ba	1	1409	3.4	1144.1	67.9	91.6
<i>ppm</i>	2	1366	3.4	250.7	56.2	51.7
Ti	1	1409	0.001	0.307	0.048	0.063
%	2	1327	0.001	0.174	0.038	0.048
B	1	1409	1	15	2	2
<i>ppm</i>	2	1367	1	5	1	1
Al	1	1409	0.06	4.41	1.13	0.51
%	2	1378	0.06	2.14	1.09	0.46
Na	1	1409	0.001	0.249	0.01	0.015
%	2	1374	0.001	0.04	0.008	0.009
K	1	1409	0.01	1.46	0.2	0.26
%	2	1327	0.01	0.72	0.15	0.18
W	1	1409	0.1	37.3	0.3	1.4
<i>ppm</i>	2	1381	0.1	2.8	0.1	0.3
Sc	1	1409	0.1	7.4	2.1	1
<i>ppm</i>	2	1350	0.1	4.1	2	0.9
Tl	1	1409	0.01	0.72	0.12	0.13
<i>ppm</i>	2	1330	0.01	0.38	0.1	0.1
S	1	1409	0.01	1.56	0.06	0.08
%	2	1364	0.01	0.22	0.05	0.04
Hg	1	1409	3	842	15	26
<i>ppb</i>	2	1395	3	63	13	12
Se	1	1409	0.1	4.4	0.5	0.5
<i>ppm</i>	2	1336	0.1	1.4	0.4	0.3
Te	1	1409	0.01	0.14	0.02	0.02
<i>ppm</i>	2	1359	0.01	0.05	0.02	0.01
Ga	1	1409	0.2	11.2	3.5	1.8
<i>ppm</i>	2	1355	0.2	7	3.3	1.5

Statistical Analysis of Sediment Samples - INAA

Element	Pass	n	min	max	mean	std dev
Sb	1	1408	0.1	5.5	0.3	0.5
<i>ppm</i>	2	1354	0.1	1.2	0.2	0.3
As	1	1408	0.3	166	5.7	10.1
<i>ppm</i>	2	1365	0.3	25	4.4	4.8
Ba	1	1408	25	7410	515	443
<i>ppm</i>	2	1370	25	1400	458	211
Br	1	1408	0.3	101	6.2	9.2
<i>ppm</i>	2	1354	0.3	24	4.8	5
Ca	1	1408	1	32	4	5
%	2	1303	1	14	3	3
Ce	1	1408	5	1120	177	129
<i>ppm</i>	2	1354	5	433	160	91
Cs	1	1408	1	24	4	6
<i>ppm</i>	2	1398	1	15	4	2
Cr	1	1408	6	619	79	42
<i>ppm</i>	2	1367	6	160	75	30
Co	1	1408	1	116	15	8
<i>ppm</i>	2	1373	1	30	14	5
Eu	1	1408	0.1	20.1	2.1	1.4
<i>ppm</i>	2	1349	0.1	4.9	1.9	1
Au	1	1408	1	357	4	18
<i>ppb</i>	2	1387	1	39	2	3
Hf	1	1408	1	107	12	9
<i>ppm</i>	2	1354	1	30	11	7
Fe	1	1408	0.32	11.9	3.78	1.39
%	2	1365	0.32	6.54	3.65	1.21
La	1	1408	2.3	776	94.2	73.2
<i>ppm</i>	2	1344	2.3	239	83.1	48.8
Lu	1	1408	0.03	3.9	0.62	0.42
<i>ppm</i>	2	1345	0.03	1.4	0.56	0.31
Mo	1	1408	1	32	2	2
<i>ppm</i>	2	1369	1	6	2	1
Nd	1	1408	3	638	70	49
<i>ppm</i>	2	1357	3	160	63	34
Rb	1	1408	8	240	89	34
<i>ppm</i>	2	1357	8	150	85	30
Sm	1	1408	0.4	116	13	9.8
<i>ppm</i>	2	1345	0.4	32.6	11.6	6.7
Sc	1	1408	0.7	37.8	12	5.3
<i>ppm</i>	2	1345	0.7	22.4	11.3	4.2
Na	1	1408	0.03	2.78	0.91	0.48
%	2	1353	0.03	1.87	0.86	0.42
Ta	1	1408	0.3	14	1.9	1.8
<i>ppm</i>	2	1336	0.3	5.5	1.6	1.1
Tb	1	1408	0.3	16	1.5	1.2
<i>ppm</i>	2	1358	0.3	3.8	1.3	0.8
Th	1	1408	1	182	24	20
<i>ppm</i>	2	1344	1	64	21	12
W	1	1408	1	103	2	4
<i>ppm</i>	2	1383	1	10	2	2
U	1	1408	0.3	65.2	6.5	5.8
<i>ppm</i>	2	1352	0.3	18	5.7	3.6
Yb	1	1408	0.1	27.2	4.1	2.9
<i>ppm</i>	2	1341	0.1	9.5	3.6	2
Zn	1	1408	25	430	53	40
<i>ppm</i>	2	1358	25	130	48	29