U.S. Department of the Interior
Bureau of Land Management

BLM Alaska Open File Report 115
BLM/AK/ST-007/017+3890+940
March 2007

Mineral Investigations in the Bristol Bay Mining District Study Area, Southwestern Alaska, 2006

Kirby W. Bean, Peter E. Bittenbender, Edward C. Gensler, Liming Wu

BLM

Alaska

Mission Statement

The Bureau of Land Management sustains the health, diversity and productivity of the public lands for the use and enjoyment of present and future generations.

Authors

Kirby W. Bean is a geologist in the Division of Energy and Minerals, Branch of Solid Minerals, working in the Juneau-John Rishel Mineral Information Center, Bureau of Land Management, Juneau, Alaska.

Peter E. Bittenbender is a senior geologist in the Division of Energy and Minerals, Branch of Solid Minerals, working in the Juneau-John Rishel Mineral Information Center, Bureau of Land Management, Juneau, Alaska.

Edward C. Gensler is an engineer in the Division of Energy and Minerals, Branch of Solid Minerals, working in the Juneau-John Rishel Mineral Information Center, Bureau of Land Management, Juneau, Alaska.

Liming Wu is a geologist in the Division of Energy and Minerals, Branch of Solid Minerals, working in the Juneau-John Rishel Mineral Information Center, Bureau of Land Management, Juneau, Alaska.

Cover

BLM geologists evaluate a color anomaly near Lake Clark in the Bristol Bay Mining District.

Open File Reports

Open File Reports issued by BLM-Alaska present the results of inventories or other investigations on a variety of scientific and technical subjects that are made available to the public outside the formal BLM-Alaska technical publication series. The Open File Reports can include preliminary or incomplete data and are not published or distributed in quantity.

To request a copy of this or another BLM-Alaska scientific report, or for more information, please contact:

BLM-Alaska Public Information Center
222 W. Seventh Ave., #13
Anchorage, AK 99513
(907) 271-5960

Juneau - John Rishel Mineral Information Center
100 Savikko Road, Mayflower Island
Douglas, AK 99824
(907) 586-7751

Most BLM-Alaska scientific reports are also available for loan or inspection at Alaska Resources Library and Information Services in Anchorage, (907) 27-ARLIS, and other major libraries in Alaska; USDI Resources Library in Washington, D.C.; the BLM National Business Center Library in Denver; and other select locations.

A bibliography of scientific reports is online at **www.blm.gov/ak**. Related publications are also listed at **www.blm.gov/ak/jrmic**.

MINERAL INVESTIGATIONS IN THE BRISTOL BAY MINING DISTRICT STUDY AREA SOUTHWEST ALASKA 2006

by

Kirby W. Bean, Peter E. Bittenbender,
Edward C. Gensler, and Liming Wu

BLM-Alaska Open File Report 115
March 2007

U. S. Department of the Interior
Bureau of Land Management

TABLE OF CONTENTS

LIST OF FIGURES AND PLATES

LIST OF TABLES

ABSTRACT

In 2006, the Bureau of Land Management (BLM) completed the first year of the Bristol Bay Mining Study Area. Investigators mapped or sampled approximately 60 mineral occurrences in the 27.2-million-acre Bristol Bay Mining Study Area, BLM collected and analyzed 309 rock chip, pan concentrate, and stream sediment samples during the investigation.

INTRODUCTION

As part of the Bristol Bay mining area study, personnel from the Division of Energy and Solid Minerals of the Bureau of Land Management - Alaska (BLM) conducted mineral investigations in the 27.2-million-acre Bristol Bay Mining Study Area. The investigations are part of BLM's ongoing mineral assessment program of public land in Alaska, as authorized by Congress in Section 1010 of the Alaska National Interest Lands Conservation Act (ANILCA), which reads:

> *"Section 1010(a): MINERAL ASSESSMENTS. -- The Secretary shall, to the full extent of his authority, assess the oil, gas, and other mineral potential on all public lands in the State of Alaska in order to expand the data base with respect to the mineral potential in such lands…"*

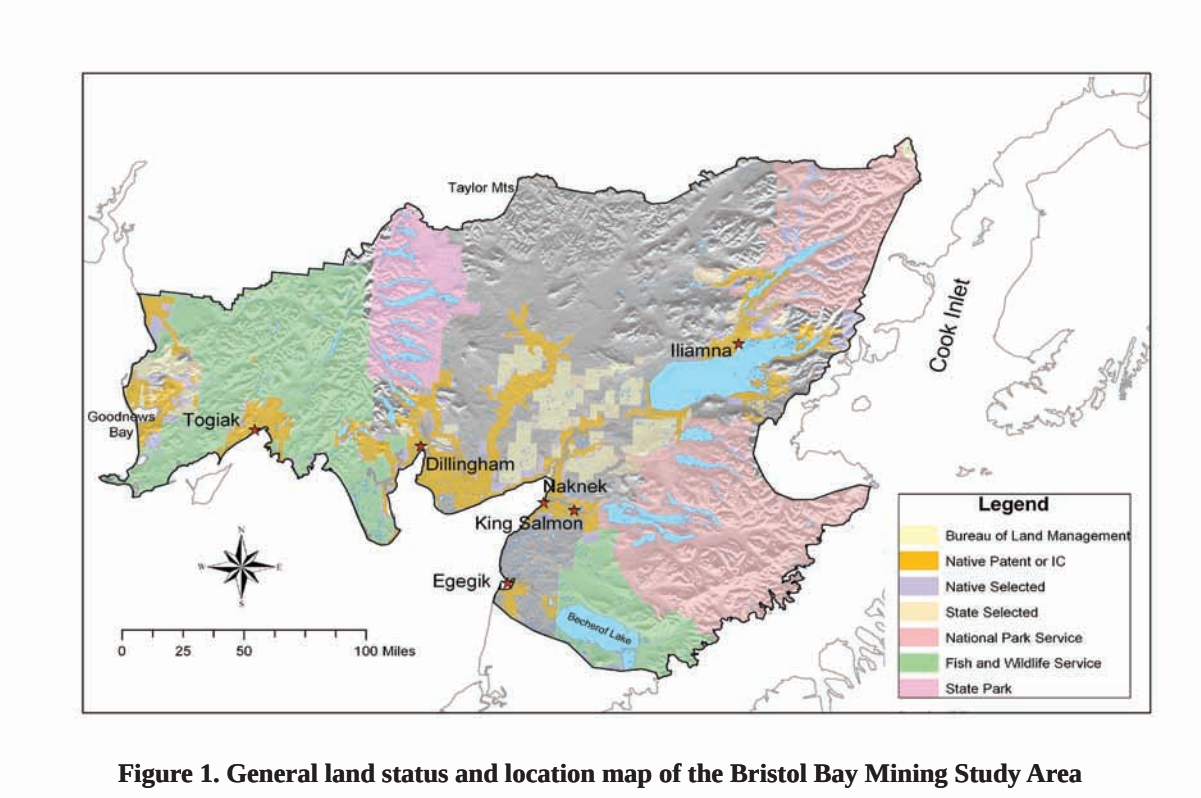

Figure 1. General land status and location map of the Bristol Bay Mining Study Area

Goals of BLM mineral assessments are to compile, analyze, and publicize mineral information to facilitate multiple-use management of the area. Mineral information includes mineral occurrence surveying, mapping, and sampling; airborne and ground-based geophysics; stream sediment geochemistry; and economic, engineering, and environmental analysis. BLM is scheduled to complete fieldwork for the mineral assessment of the district in 2008 and produce a final report in 2009.

The Bristol Bay Study Area extends from Goodnews Bay in the west to Cook Inlet in the east, as far north as the Taylor Mountains, and as far south as Becharof Lake (figure 1). BLM geologists

collected 309 rock chip, stream sediment, and pan concentrate samples while evaluating approximately 60 prospects and mineral occurrences in the district during short reconnaissance in 2005 and 2006.

In this report, the authors present geochemical data that have resulted from the analyses of samples collected during 2006 in the Bristol Bay Mining Area Study.

Table 2 presents the commercial laboratory's analytical results for rock chip samples. Coordinates for all samples are presented in table 3.

FIELD SEASON REVIEW WITH HIGHLIGHTS

Four BLM geologists spent approximately 28 field days investigating mineral occurrences during June and July 2006. This effort mostly concentrated on the eastern part of the district, composed primarily of Permian to Cretaceous accretionary rocks of the Peninsular terrane that have been intruded by large Jurassic batholiths (Nokleberg and others, 1994)[1]. Occurrences investigated included copper-gold porphyrys such as the Pebble deposit as well as skarn, vein gold, and placer gold deposit types.

Figure 2. Copper and gold bearing quartz veins at the Pfaff prospect. Gold in select samples ran as high as 24 ppm.

In general the high density of historical mineral occurrences in the region, favorable geologic environment, and field observations of significant areas of hydrothermal alteration indicate this part of Alaska is anomalously endowed with minerals and has good potential to host major deposits. Discoveries of world-class copper-gold porphyry deposits north of Iliamna are indicative of the potential deposits in the eastern portion the study area.

In 2006, BLM contracted for an airborne geophysical survey to be flown in the Goodnews Bay quadrangle (figure 1). The survey, administered by the State of Alaska, Division of Geological and Geophysical Surveys (ADGGS), is scheduled to include the collection of fixed-wing aeromagnetic data across the entire quadrangle. The primary target of the survey was copper-nickel-PGE-bearing mafic and ultramafic rocks. The survey is currently anticipated to be flown in 2007 with results released late in the year. When released, information about the survey data will be available from ADGGS at http://wwwdggs.dnr.state.ak.us.

[1] Nokleberg, W.J, Plafker, G., Wilson, F.H., 1994, Geology of south-central Alaska *in* The Geology of Alaska, Plafker G., and Berg, H.C., eds. Geological Society of America, Boulder, Colorado, p.311-366.

Figure 3. Geologist samples a copper occurrence near the north shore of Lake Kontrashibuna.

SAMPLING AND ANALYTICAL PROCEDURES

SAMPLING METHODS

BLM personnel collected several types of rock samples during this study:

Channel samples -- rock fragments, chips, or dust from a continuous channel of uniform width and depth across an exposure;
Chip channel samples -- chips of rock taken in a continuous line across a relatively uniform width and depth of an exposure;
Continuous chip samples -- chips of rock taken in a continuous line across an exposure;
Representative chip samples -- discontinuous chips of rock taken across an exposure;
Spaced chip samples -- chips of rock taken at a specified interval across an exposure;
Random chip samples -- chips of rock taken randomly across an exposure;
Grab samples -- rock chips or fragments taken more or less at random from an outcrop, float, or mine dump; and,
Select samples -- rock chips collected from the highest-grade parts of a mineralized zone.

Stream sediment, soil, and pan concentrate samples are collected in reconnaissance fashion to detect any anomalous metal values that may indicate the presence of mineralized rock in an area. Stream sediment samples are collections of silt- and clay-sized particles taken from a stream bed. Pan concentrate samples consist of one pan full of gravel, sand, and/or fines reduced by standard panning methods. The resultant concentrate of fines, approximately 0.75 ounces, is then analyzed.

ANALYTICAL METHODS

All analyses were conducted by a commercial laboratory. Rock samples were dried, crushed to a minus 10 mesh, split and pulverized to minus 150 mesh. Stream sediment samples were dried and sieved to a minus 80 mesh. Pan concentrate samples were pulverized to minus 200 mesh. For samples analyzed by inductively coupled argon plasma (ICP) and atomic absorption spectrophotometry (AA), a 0.5-gram sample was dissolved in aqua regia for measurement. For samples analyzed by X-ray fluorescence (XRF), a 10-gram pressed pellet was prepared for measurement. Samples were analyzed for gold by fire assay pre-concentration of a 30-gram sample, followed by an ICP finish, with results reported in parts per billion. Platinum and palladium were analyzed by fire assay pre-concentration of a 30-gram sample, followed by an ICP finish, with results reported in parts per billion.

The remaining elements were analyzed by ICP with results reported as either parts per million or percent. In most instances, when the results of samples analyzed by this method exceeded the upper detection limits, the samples were not reanalyzed, but results were reported as being greater than the corresponding upper detection limit.

TABLE 1. REPORTING METHODS

Element	Units Reported	Lower Detection Limit	Upper Detection Limit	Analytical Method
Pt	ppb	5	10000	FA
Pd	ppb	1	10000	FA
Au	ppb	1	10000	FA
Ag	ppm	0.2	100	ICP
Cu	ppm	1	10000	ICP
Cu	pct	0.01	30.00	AA
Pb	ppm	2	10000	ICP
Pb	pct	0.01	30	AA
Zn	ppm	2	10000	ICP
Zn	pct	0.01	30	AA
Mo	ppm	1	10000	ICP
Ni	ppm	1	10000	ICP
Ni	pct	0.01	50	AA
Cr	ppm	1	10000	ICP
Al	pct	.01	15	ICP
As	ppm	2	10000	ICP
Ba	ppm	10	10000	ICP
Ba	ppm	10	10000	XRF
Ba	pct	0.01	50	XRF
Bi	ppm	2	10000	ICP
Ca	pct	0.01	15	ICP
Cd	ppm	0.5	500	ICP
Co	ppm	1	10000	ICP
Fe	pct	0.01	15	ICP
Ga	ppm	10	10000	ICP
Hg	ppm	0.01	100	AA
K	pct	0.01	10	ICP
La	ppm	10	10000	ICP
Mg	pct	0.01	15	ICP
Mn	ppm	5	10000	ICP
Na	ppm	0.01	10	ICP
Sb	ppm	2	10000	ICP
Sc	ppm	1	10000	ICP
Sr	ppm	1	10000	ICP
Ti	pct	0.01	10	ICP
V	ppm	1	10000	ICP
W	ppm	10	10000	ICP
W	ppm	10	10000	XRF

The site descriptions in this report contain select analytical results. These results are dependent primarily on analytical methods used to analyze the sample.

ANALYTICAL RESULTS FOR SAMPLES FROM MINES, PROSPECTS, MINERAL OCCURRENCES, AND RECONNAISSANCE INVESTIGATIONS

Analytical and sample data are presented in table 1. The results are organized by map number in the table, as well as on plate 1.

UNITS OF MEASURE

Results are recorded under the element's chemical symbol in the following units. Over-detection-limit samples were reanalyzed, using a different analytical technique with different units of measurement.

ABBREVIATIONS

Sample types:

PC	pan concentrate	R	rock chip
PL	Placer	SS	stream sediment

***Sampling method (Rock Chip)*:**

CH	Channel	RC	random chip
CC	chip channel	Rep	representative chip
C	continuous chip	S	select
G	Grab	SC	spaced chip

Sample size: Sample sizes are given in feet. The sizes of spaced chip samples are given by the overall size of the sample followed by the sample spacing (e.g., 10 feet @ 0.5-foot spacings).

Sample sites:

FL	Float	OC	outcrop
MD	mine dump	RC	rubblecrop
MT	mine tailings	TP	trench, pit, or cut

Sample descriptions:

@	At
alt	Altered
amp	amphibolite/amphibole
and	Andesite
arg	Argillite
aspy	Arsenopyrite
bn	Bornite
bt	Biotite
br	breccia/brecciated
calc	Calcareous
carb	Carbonate
cin	Cinnabar
cg	coarse-grained
chl	chlorite/chloritic
cs	Coarse
cuox	copper oxide
cpy	Chalcopyrite
dissem	disseminated/disseminations
dac	Dacite
di	Diorite
dol	dolomite/dolomitic
fel	Felsic
feox	iron-oxidized
fg	fine-grained
gb	Gabbro
gdi	Granodiorite
gn	Galena
gp	graphite/graphitic
grt	Garnet

gs	greenstone
gw	graywacke
hbl	hornblende
int	intrusive
ls	limestone
mag	magnetite
mg	medium-grained
meta	metamorphic
mal	malachite
mo	molybdenite
msv	massive
peg	pegmatite
phy	phyllite
po	pyrrhotite
porph	porphyry/porphyritic
py	pyrite/pyritic
qtz	quartz
qtz	quartzite
sed	sediment
ser	sericite
sch	schist
sil	silicified/siliceous
sph	sphalerite
sulf	sulfide
vn(s)	vein(s)
volc	volcanic
w/	with

TABLE 2

ANALYTICAL RESULTS FOR ROCK CHIP, STREAM SEDIMENT, AND PAN CONCENTRATE SAMPLES

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Location	Type	Site	Method	Size (ft)	Description	Pt ppm	Pd ppm	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
1	11455	Neocola Mtns	R	OC	S		fg diorite w/ dissem seams of py± cpy	<0.005	0.019	0.004	0.2	287	5	38	9
1	11456	Neocola Mtns	R	OC	Rep		feox gneiss w/ sulf	<0.005	0.018	0.017	<0.2	389	2	31	2
1	11457	Neocola Mtns	R	RC	G		granite w/ minor feox	<0.005	<0.001	<0.001	<0.2	11	2	38	3
1	11458	Neocola Mtns	R	OC	S		metaseds & ls w/ minor sulf	<0.005	0.005	0.135	0.7	182	12	43	1220
1	11459	Neocola Mtns	R	RC	S		gs w/ cpy & cuox	0.019	0.085	0.252	4.1	5580	5	46	12
1	11460	Neocola Mtns	R	RC	S		msv gs w/ seam of cpy	<0.005	0.01	1.41	8.6	**1.87%**	4	165	14
1	11461	Neocola Mtns	R	OC	Rep		gs w/ po	<0.005	0.013	0.07	0.4	486	2	20	2
1	11462	Neocola Mtns	R	RC	Rep		msv sulf containing po, cpy, & sp	<0.005	0.012	2.64	123	**7.90%**	14	**7.97%**	420
1	11463	Neocola Mtns	R	OC	SC	5.5	skarn w/ msv sulf containing po, cpy, & sp	<0.005	0.047	0.875	38.7	**2.73%**	13	**12.80%**	391
2	11426	Twin Lakes East	R	RC	G		feox volc w/ py ± cpy	<0.005	0.004	0.002	<0.2	234	3	51	11
2	11427	Twin Lakes East	R	OC	S	1.5	feox fg volc w/ py & cpy	0.007	0.005	0.001	<0.2	130	5	40	25
2	11428	Twin Lakes East	R	OC	S	1	feox fg volc w/ py & cpy	<0.005	0.003	<0.001	<0.2	169	6	44	15
2	11473	Twin Lakes East	R	OC	SC	14@1	arg clast w/ py in metaseds	0.006	0.02	0.116	0.3	266	16	78	50
2	11474	Twin Lakes East	R	RC	G		mafic int w/ po/py	<0.005	<0.001	<0.001	<0.2	110	2	72	5
2	11475	Twin Lakes East	R	RC	G		mafic int w/ po/py	<0.005	<0.001	<0.001	0.2	131	9	96	13
2	11476	Twin Lakes East	R	RC	S		alt gbo w/ cpy	<0.005	0.015	0.006	4.5	**4.03%**	13	214	3
2	11477	Twin Lakes East	R	OC	Rep	35	and w/ py ± cpy	<0.005	<0.001	<0.001	<0.2	197	3	54	15
2	11478	Twin Lakes East	R	RC	G		ls w/ dissem & seams of fg to cg py	<0.005	<0.001	0.001	0.2	258	5	40	22
3	11429	Twin Lakes West	R	OC	S	8	feox alterd rock in fract	<0.005	<0.001	0.001	0.5	24	11	46	<2
3	11430	Twin Lakes West	R	FL			feox vugs w/ py	<0.005	<0.001	0.003	0.3	84	9	124	35
3	11445	Twin Lakes West	R	FL	S		feox shear w/ sulf	<0.005	<0.001	0.001	0.2	13	37	62	2
3	11479	Twin Lakes West	R	OC	Rep	30	feox and w/ py	<0.005	<0.001	<0.001	<0.2	19	15	112	3
3	11480	Twin Lakes West	R	OC	SC	29	feox and w/ dissem py	<0.005	<0.001	<0.001	0.2	27	40	97	11
3	11481	Twin Lakes West	R	OC	G		volc contact w/ minor py	<0.005	<0.001	0.003	0.2	24	38	144	15
3	11482	Twin Lakes West	R	FL	G		shear in arg w/ qtz, sph, gn, & cpy	0.005	0.001	0.002	5.6	277	1010	2570	38
3	11483	Twin Lakes West	R	OC	SC	8	sil volc w/ minor py	<0.005	<0.001	<0.001	<0.2	8	11	30	2
4	11449	Summit Creek	PC					<0.005	<0.001	0.355	<0.2	25	25	221	6
4	11499	Summit Creek	R	OC	SC	12	dacite w/ dissem seams of fg py	<0.005	0.002	0.004	<0.2	121	10	74	19
4	11504	Summit Creek	PC				1 pan, 1 f gold	<0.005	<0.001	0.053	<0.2	19	6	53	7
4	11506	Summit Creek	R	FL	G	1	feox fg volc w/ py	<0.005	<0.001	0.002	0.4	194	9	73	17
4	11551	Summit Creek	R	OC	Rep		and to dac w/ fg dissem py	<0.005	0.002	0.004	0.2	200	7	81	16
4	11552	Summit Creek	R	RC	G		feox granite	<0.005	<0.001	0.002	0.3	32	13	130	5
5	11505	Summit Creek Trib	PC				2 pans, 1 vf gold	<0.005	0.001	0.622	<0.2	13	9	89	5
6	11401	Bonanza Creek	SS					--	--	0.007	0.4	42	10	144	55
7	11567	Otter Lake N.	R	RC	G		msv mag w/ qtz segregations & clasts	0.009	0.022	0.011	<0.2	134	15	117	25

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Al ppm	Ba ppm	Bi ppm	Ca ppm	Cd ppm	Co ppm	Fe ppm	Ga ppm	Hg ppm	K ppm	La ppm	Mg ppm	Mn ppm	Mo ppm	Na ppm	Ni ppm	S pct	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm
1	11455	1.88	90	<2	1.17	<0.5	33	5.16	10	0.01	0.37	<10	0.94	254	2	0.21	49	1.19	3	6	8	35	0.3	151	10
1	11456	0.7	70	<2	0.81	<0.5	24	4.59	<10	<0.01	0.06	<10	0.37	205	51	0.12	32	0.91	<2	4	8	11	0.19	183	<10
1	11457	0.44	830	<2	1.14	<0.5	3	1.69	<10	<0.01	0.27	10	0.18	635	1	0.06	1	0.04	<2	4	9	11	0.06	14	10
1	11458	2.05	180	2	4.04	<0.5	31	5.35	10	0.01	0.1	<10	0.23	126	2	0.38	41	3.37	5	3	8	291	0.12	35	10
1	11459	0.92	10	<2	1.51	0.8	8	1.89	<10	0.01	0.02	<10	0.2	98	1	0.06	25	0.71	<2	2	7	39	0.39	52	<10
1	11460	1.12	30	<2	1.54	1.2	29	3.76	10	0.02	0.03	<10	0.24	97	<1	0.07	61	1.83	<2	2	7	73	0.19	33	10
1	11461	0.89	50	49	0.96	<0.5	21	3.58	<10	0.01	0.17	<10	0.53	184	71	0.13	37	1.52	<2	3	8	16	0.35	93	10
1	11462	0.2	<10	23	3.01	429.0	294	32.4	<10	0.1	0.01	<10	0.07	866	1	0.02	998	10	26	1	6	13	0.01	4	<10
1	11463	0.5	<10	<2	3.92	500.0	251	26.4	<10	0.2	0.01	<10	0.04	1300	<1	0.02	551	10	26	1	7	5	0.03	11	<10
2	11426	4.81	750	<2	1.6	<0.5	39	6.09	10	<0.01	0.82	<10	4.01	181	<1	0.31	64	2.16	13	8	8	184	0.19	229	<10
2	11427	6.41	1440	3	2.49	<0.5	27	4.79	10	<0.01	2.12	<10	3.41	142	<1	0.34	41	1.19	17	15	8	446	0.22	258	10
2	11428	7.49	2300	3	3.27	<0.5	29	5.68	10	<0.01	1.9	<10	3.75	169	2	0.36	43	1.73	22	9	8	393	0.29	207	10
2	11473	6.55	1090	2	3.37	<0.5	38	6.34	20	<0.01	0.91	<10	2.13	197	<1	0.16	58	2.25	18	13	8	165	0.29	215	10
2	11474	2.59	240	<2	1.23	<0.5	33	5.25	10	<0.01	0.05	<10	1.86	454	<1	0.24	54	0.73	4	7	8	35	0.15	114	10
2	11475	2.95	200	<2	1	<0.5	37	4.86	10	<0.01	0.22	<10	2.13	308	<1	0.24	63	0.89	7	8	8	64	0.11	121	<10
2	11476	1.8	330	<2	2.3	3.8	31	6.04	10	0.03	0.05	<10	2.01	309	<1	0.05	40	3.17	4	6	7	31	0.33	113	<10
2	11477	3.8	440	<2	1.87	<0.5	33	4.86	10	<0.01	0.16	<10	1.51	256	<1	0.29	57	1.33	8	5	8	93	0.11	98	10
2	11478	0.69	170	<2	25	<0.5	5	2.51	<10	<0.01	0.1	<10	2.61	640	<1	0.03	17	1.5	<2	2	7	662	0.03	18	10
3	11429	0.25	440	<2	1.35	<0.5	2	2.13	<10	<0.01	0.06	20	0.08	703	<1	0.07	2	<0.01	<2	10	10	31	0.01	11	10
3	11430	2.23	1060	2	3.48	<0.5	15	4.47	10	0.01	0.15	20	1.4	1290	<1	0.04	17	0.24	17	8	8	150	0.01	88	10
3	11445	0.29	940	<2	0.35	<0.5	1	1.44	<10	<0.01	0.08	20	0.07	956	8	0.06	1	0.06	<2	2	9	14	<0.01	5	10
3	11479	0.89	990	<2	0.44	<0.5	2	3.79	10	<0.01	0.18	10	0.27	967	1	0.08	1	0.48	<2	6	9	25	0.13	2	10
3	11480	0.68	1120	<2	0.25	<0.5	<1	2.58	<10	<0.01	0.1	10	0.11	446	3	0.12	1	0.48	<2	4	9	20	0.1	1	10
3	11481	0.32	140	<2	0.08	<0.5	<1	2.13	<10	0.01	0.19	70	0.03	551	5	0.1	3	0.63	<2	<1	9	9	<0.01	1	10
3	11482	1.7	240	5	17.8	21.1	9	3.02	<10	0.15	0.03	10	5.59	7750	<1	0.02	125	<0.01	19	6	9	2100	0.01	47	<10
3	11483	0.57	1560	<2	0.31	<0.5	1	1.88	<10	<0.01	0.28	30	0.05	298	<1	0.08	1	<0.01	<2	5	9	10	0.01	4	10
4	11449	0.98	120	<2	0.28	<0.5	34	19.3	20	0.01	0.03	70	0.49	1120	5	0.03	23	0.01	6	6	9	16	1.13	815	30
4	11499	3.71	550	<2	1.14	<0.5	17	4.53	10	<0.01	0.65	10	1.12	371	2	0.25	37	1.03	<2	6	9	105	0.09	92	10
4	11504	1.25	660	<2	0.5	<0.5	8	3.43	<10	0.01	0.16	20	0.47	426	<1	0.06	14	0.01	<2	4	12	37	0.17	93	10
4	11506	1.58	970	<2	0.39	<0.5	6	1.98	<10	<0.01	0.41	20	0.08	261	2	0.12	1	0.47	<2	1	10	24	0.02	2	10
4	11551	3.34	560	<2	0.79	<0.5	17	4.42	10	<0.01	0.47	10	1.17	469	1	0.17	30	0.76	<2	7	8	56	0.1	104	10
4	11552	0.68	720	<2	0.15	<0.5	2	2.17	<10	0.01	0.33	20	0.12	305	1	0.15	2	0.03	<2	3	8	6	0.1	15	10
5	11505	1	420	<2	0.36	<0.5	13	6.4	10	0.01	0.08	30	0.35	501	1	0.04	13	0.01	<2	4	9	22	0.36	243	10
6	11401	1.69	1030	<2	0.32	0.5	17	4.57	10	0.08	0.07	10	0.66	1095	1	0.03	55	0.03	<2	3	7	31	0.09	88	10
7	11567	0.58	1180	3	2.84	<0.5	17	35.6	<10	0.19	0.3	40	0.44	25600	4	0.03	139	0.1	2	4	7	340	0.04	459	10

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Location	Type	Site	Method	Size (ft)	Description	Pt ppm	Pd ppm	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
8	11565	Otter Lake NW	R	OC	G		carb, sil sch w/ py seams	<0.005	<0.001	0.149	0.2	101	14	17	22
8	11566	Otter Lake NW	R	RC	G		jasper w/ hem & py	<0.005	0.002	0.002	<0.2	19	2	9	8
9	11507	Otter Lake SE	R	OC	Rep		sch w/py	0.007	0.021	0.061	0.2	265	6	88	72
9	11508	Otter Lake SE	R	OC	S		feox sch	<0.005	0.016	0.087	0.7	1390	2	67	23
10	11559	Otter Lake SW	R	OC	C	3.2	feox chl sch w/ py	0.014	0.02	0.07	0.4	322	7	116	23
10	11560	Otter Lake SW	R	OC	S		chl sch w/ seams of py ± cpy	0.009	0.013	0.091	1.4	1785	10	67	292
10	11561	Otter Lake SW	R	OC	G		qtz boudin in chl sch lens/ w sulf	<0.005	0.005	0.003	<0.2	753	<2	43	4
10	11562	Otter Lake SW	R	OC	SC	16	chl sch w/ seams of py	<0.005	0.002	0.088	0.3	116	10	529	41
10	11563	Otter Lake SW	R	OC	S		chl sch w/ cpy & mag	<0.005	0.013	0.042	2	**2.07%**	4	84	13
10	11564	Otter Lake SW	R	OC	Rep	1.7	chl sch w/ py & cpy in layers	<0.005	<0.001	<0.001	<0.2	534	<2	70	<2
11	11569	South Currant Creek	R	OC	G		mafic dike in granitoid w/ cpy	<0.005	0.002	0.079	8.5	1210	26	141	3
12	11510	U.S. Currant Creek	R	FL	S		feox volc? w/ py	<0.005	<0.001	0.003	1.4	256	6	53	<2
12	11570	U.S. Currant Creek	R	RC	S		qtz-carb vn in granitoid w/ py & cpy	<0.005	0.001	0.015	5.8	125	496	3580	<2
12	11578	U.S. Currant Creek	R	RC	G		granitoid w/ py & mo	<0.005	<0.001	0.091	7.1	9310	4	67	3
12	11579	U.S. Currant Creek	R	RC	S		soft, alt rock w/ dissem & seams of mo	<0.005	<0.001	0.007	0.4	29	34	14	2
12	11580	U.S. Currant Creek	R	Rc	G		granitoid w/ py & mo	<0.005	0.001	0.006	0.9	989	9	57	4
12	11585	U.S. Currant Creek	R	RC	G		feox granitiod w/ py ± cpy	<0.005	<0.001	0.002	0.7	77	10	33	<2
13	11514	N. Currant	R	FL	S	70	meta w/ py	<0.005	0.015	0.088	0.7	1010	33	55	44
13	11583	N. Currant	R	RC	G		metavolc w/ py	<0.005	0.014	0.016	0.3	214	135	136	82
13	11584	N. Currant	R	OC	SC	36	alt dac w/ py	<0.005	0.027	0.038	<0.2	122	6	14	17
14	11412	Portage Ck	PC				2 pans	<0.005	0.002	0.002	<0.2	46	9	91	14
14	11413	Portage Ck	PC					--	--	--	3	74	10	314	14
14	11414	Portage Ck	PC				1 pan, 1 vf flake	--	--	--	30.6	49	6	84	15
14	11415	Portage Ck	PC				1 pan	--	--	--	1.7	44	12	122	16
14	11416	Portage Ck	PC				1 pan	<0.005	0.003	0.099	<0.2	44	6	75	12
14	11417	Portage Ck	PC				1 pan	--	--	--	--	--	--	--	--
14	11418	Portage Ck	PC				1 pan	--	--	--	0.3	64	47	203	38
15	11558	Gull	R	UW	G		rhy to dac in shear w/ tr py	<0.005	<0.001	0.003	0.2	6	117	40	2
16	11557	Gull Area	R	OC	G		feox rhy to dacite w/ minor py	<0.005	<0.001	0.01	0.3	10	121	54	4
17	11446	Kijik Lake	R	RC	S		feox alt rock w/ py	<0.005	0.004	0.001	0.4	81	4	267	6
18	11484	Kijik River area	R	OC	S		sil metased w/ py & cpy	<0.005	<0.001	0.004	51.7	2880	1225	865	3680
18	11485	Kijik River area	R	OC	S		qtz vn in fel volc w/ aspy, cpy, py, & gn	<0.005	<0.001	0.148	367	9650	1730	461	>10000
18	11486	Kijik River area	R	OC	Rep		granite shear w/py	<0.005	<0.001	0.029	25	2590	101	175	5810
18	11487	Kijik River area	R	OC	C	4	feox granite w/ py, aspy, ± cpy	<0.005	<0.001	0.005	21.3	548	92	33	2420
19	11489	NW Kijik Lake	R	OC	S		qzt w/ dissem & net of py	<0.005	0.001	0.003	1.3	56	13	7	108

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Al ppm	Ba ppm	Bi ppm	Ca ppm	Cd ppm	Co ppm	Fe ppm	Ga ppm	Hg ppm	K ppm	La ppm	Mg ppm	Mn ppm	Mo ppm	Na ppm	Ni ppm	S pct	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm
8	11565	0.4	270	<2	0.34	<0.5	9	3.7	<10	0.01	0.14	10	0.11	73	8	0.01	36	1.73	3	1	8	14	<0.01	19	10
8	11566	0.06	280	<2	0.28	<0.5	10	1.76	<10	0.02	0.04	<10	0.03	3680	<1	0.01	10	0.02	<2	<1	9	20	0.01	27	10
9	11507	4.92	20	5	0.07	<0.5	80	18.3	10	0.06	0.01	<10	3.76	842	3	0.01	186	3.43	<2	13	7	1	0.11	222	10
9	11508	4.68	20	5	0.2	<0.5	125	19.3	10	0.37	0.03	<10	3.94	987	7	0.01	46	3.68	<2	17	8	10	0.12	181	10
10	11559	4.67	10	3	0.36	<0.5	30	14.5	10	0.16	0.01	<10	4.97	1095	<1	0.01	117	2.11	<2	24	8	2	0.09	206	10
10	11560	3.64	10	2	0.03	<0.5	106	12.9	10	0.18	0.01	<10	3.01	760	9	0.01	78	4.59	<2	23	7	<1	0.04	241	10
10	11561	1.48	<10	<2	0.14	<0.5	38	2.96	<10	0.03	0.01	<10	1.37	481	1	0.01	50	0.09	<2	9	8	2	0.01	58	10
10	11562	2	170	<2	0.02	1.1	6	5.29	10	1.91	0.11	<10	1.44	918	10	0.02	13	1.41	<2	6	8	1	<0.01	42	<10
10	11563	4.04	20	9	0.05	<0.5	96	16	10	0.15	0.15	<10	2.89	710	13	0.02	87	2.04	<2	19	7	2	0.01	152	<10
10	11564	3.9	50	<2	1.47	<0.5	37	7.09	10	0.08	0.24	<10	3.09	1045	<1	0.04	28	0.06	3	20	8	29	0.01	155	10
11	11569	3.59	410	4	1.38	0.8	21	3.87	10	<0.01	1.2	<10	1.1	1055	4	0.24	44	0.5	<2	6	9	99	0.19	65	10
12	11510	1.83	410	2	0.7	<0.5	11	4.79	10	<0.01	0.2	10	0.92	506	40	0.13	5	2.89	<2	4	8	88	0.07	56	10
12	11570	0.38	580	14	2.12	40.7	4	2.04	<10	0.22	0.24	10	0.19	1330	2	0.02	4	2.1	<2	1	8	44	<0.01	7	<10
12	11578	1.54	310	13	0.58	<0.5	25	6.03	10	0.01	0.51	<10	1.09	481	78	0.1	6	2.08	3	6	8	47	0.21	133	10
12	11579	2.84	240	<2	1.82	0.7	<1	0.11	<10	<0.01	0.15	<10	0.02	47	6550	0.06	<1	0.46	<2	<1	6	134	0.01	3	10
12	11580	1.38	370	<2	0.57	<0.5	17	4.37	10	<0.01	0.13	<10	0.45	324	682	0.09	5	2.73	<2	1	8	69	0.05	22	10
12	11585	0.32	880	2	0.13	<0.5	1	1.77	<10	<0.01	0.12	<10	0.12	177	3	0.04	1	0.78	<2	<1	8	12	0.02	11	10
13	11514	2.68	210	<2	0.86	<0.5	45	7.35	10	0.02	0.55	<10	1.92	343	41	0.08	105	1.96	<2	21	8	25	0.54	286	10
13	11583	1.71	60	<2	1.26	0.5	18	6.75	10	0.01	0.02	<10	1.18	821	3	0.06	26	1.96	5	7	7	20	0.77	193	10
13	11584	1.18	70	2	1.02	<0.5	12	6.38	10	0.02	0.05	<10	1.19	220	2	0.06	30	1.64	5	10	8	12	0.71	209	10
14	11412	1.82	570	2	0.95	<0.5	24	8.29	10	0.02	0.14	10	1.48	798	1	0.05	88	0.03	3	6	8	31	0.51	299	10
14	11413	1.06	--	9	0.41	<0.5	66	36.2	30	0.2	0.03	<10	1	1900	1	0.02	91	0.04	7	10	--	9	1.87	1550	--
14	11414	1.69	470	<2	0.89	<0.5	23	7.72	10	0.07	0.1	10	1.55	724	1	0.04	96	0.02	3	6	8	29	0.43	254	10
14	11415	1.38	--	2	0.78	<0.5	28	12.55	10	0.1	0.08	10	1.15	929	2	0.05	83	0.1	3	6	--	27	0.7	491	--
14	11416	1.74	490	<2	0.79	<0.5	19	5.74	10	0.02	0.14	10	1.44	747	1	0.04	82	0.02	2	6	8	26	0.33	165	10
14	11417	--	1620	--	--	--	--	--	--	--	--	--	--	--	--	--	--		--	--	8	--	--	--	10
14	11418	1.6	2690	14	0.61	0.6	35	18.2	10	<0.1	0.15	10	0.89	1430	4	0.06	45	0.98	5	7	8	41	0.69	511	10
15	11558	1.13	50	<2	0.26	<0.5	<1	1.21	10	0.01	0.26	10	0.01	367	<1	0.19	1	0.1	<2	<1	8	27	0.01	1	<10
16	11557	0.99	90	<2	0.15	<0.5	<1	1.55	10	0.01	0.32	20	0.01	126	1	0.22	1	0.04	<2	<1	8	19	0.01	2	10
17	11446	2.77	840	<2	0.27	<0.5	19	4.1	10	<0.01	0.9	<10	1.99	909	<1	0.05	85	0.82	5	17	8	13	0.26	187	10
18	11484	1.57	250	22	0.99	8.9	2	4.88	10	0.08	0.58	<10	0.3	788	13	0.01	8	1.84	29	2	80	89	0.01	11	10
18	11485	0.37	30	191	0.02	5.1	5	11.3	<10	0.31	0.16	<10	0.01	83	15	0.01	<1	5.91	412	<1	51	2	<0.01	1	10
18	11486	1.03	140	21	0.08	1.9	2	2.72	<10	0.02	0.67	10	0.02	116	6	0.01	1	1.25	14	<1	54	5	<0.01	1	10
18	11487	0.95	180	8	0.02	<0.5	<1	2.73	10	0.02	0.56	10	0.01	105	9	0.02	1	0.22	8	<1	38	1	<0.01	1	10
19	11489	0.08	20	34	0.01	<0.5	21	1.62	<10	<0.01	0.04	10	-0.01	28	2	-0.01	18	0.74	<2	1	14	3	<0.01	1	10

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Location	Type	Site	Method	Size (ft)	Description	Pt ppm	Pd ppm	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
19	11490	NW Kijik Lake	R	OC	SC	6	alt metased w/ sulf	<0.005	<0.001	<0.001	0.5	8	24	2	22
19	11491	NW Kijik Lake	R	OC	G		granite w/ dissem sulf	<0.005	0.001	0.002	0.4	25	4	65	21
20	11488	Thompson area	R	OC	G		feox felsic volc w/ minor py	<0.005	<0.001	<0.001	0.5	36	17	118	79
21	11422	Pass	R	RC	G	0.5	feox dk gray, fg volc	<0.005	0.001	0.002	0.8	539	27	369	197
21	11423	Pass	R	RC	G		feox breccia w/ py	0.008	<0.001	0.009	3.4	2290	75	1370	115
21	11424	Pass	R	RC	G		feox breccia w/ py	<0.005	0.001	<0.001	0.7	477	13	1150	6
21	11425	Pass	R	RC	G		feox dk gray, fg volc	0.008	<0.001	0.005	0.7	193	14	303	271
21	11452	Pass	R	OC	S		volc br w/ minor sulf	<0.005	<0.001	<0.001	4.4	200	928	745	169
21	11453	Pass	R	OC	S		dacite w/ fg sulf	0.007	<0.001	<0.001	0.4	38	28	161	17
21	11454	Pass	R	RC	S		dk dacite porph w/ minor py	<0.005	0.001	0.001	1.8	640	18	472	45
21	11469	Pass	R	OC	G		fg dk gray dacite w/ dissem py/ po	<0.005	0.002	0.001	0.5	141	15	110	12
21	11470	Pass	R	OC	SC	90@5	dacite w/ dissem fg py/ po	<0.005	0.001	<0.001	0.4	117	10	135	56
21	11471	Pass	R	RC	S		dacite w/ fg to cg sulf of py/po ± gn & cpy	<0.005	<0.001	0.001	4.1	508	480	1140	28
21	11472	Pass	R	RC	S		feox sil dacite	<0.005	<0.001	<0.001	0.4	55	168	2810	11
22	11553	Pass Area	R	OC	G		rhy to dac w/ minor py	<0.005	<0.001	0.002	0.3	6	10	20	37
22	11554	Pass Area	R	R	SC	7.5@0.5	sil br w/ minor py	<0.005	<0.001	0.002	0.3	5	13	8	17
22	11555	Pass Area	R	OC	S		dacite w/ py ± cpy	<0.005	0.001	0.005	0.3	11	14	126	167
23	11573	E. Gladiator	R	OC	SC	11	granitoid near shear w/ dissem py	<0.005	<0.001	0.006	7.4	74	109	876	29
23	11574	E. Gladiator	R	OC	Rep		hornfels metased near shear w/ py	<0.005	0.001	<0.001	0.9	65	31	1220	17
23	11575	E. Gladiator	R	OC	S		feox msv py, sph, cpy & mo in granitoid	0.007	0.001	0.006	14.7	23	193	652	5
23	11576	E. Gladiator	R	OC	G		granitoid w/ dissem & stringers of mo	<0.005	<0.001	0.009	15.2	13	216	72	<2
23	11577	E. Gladiator	R	FL	G		gneissic seds w/ po/py ± cpy	<0.005	0.002	0.006	0.6	799	7	43	9
24	11511	Currant Creek	R	RC		1	feox fg dk gray meta w/ py	<0.005	<0.001	0.002	0.3	69	2	60	3
25	11556	Kontrashibuna Lake	R	RC	G		fel int w/ dissem, seams, & patches of py	<0.005	0.001	0.002	<0.2	7	5	11	6
26	11571	W. Gladiator	R	FL	G		msv py clasts in granitoid br	<0.005	<0.001	0.353	1.7	1310	29	36	>10000
26	11572	W. Gladiator	R	FL	G		epi vn in volc w/ cpy	0.005	0.037	0.004	2.1	3800	12	37	26
27	11466	N. Kontrashibuna	R	FL	G		skarn w/ msv sulf containing po, cpy, & sp	<0.005	<0.001	0.02	4.4	2180	1980	688	138
27	11467	N. Kontrashibuna	R	OC	G		alt diorite w/ dissem seams & knots of cpy	0.017	0.15	0.019	2.2	6300	18	73	17
27	11468	N. Kontrashibuna	R	RC	S		alt diorite w/ dissem seams & knots of cpy	0.005	0.134	0.013	2	6250	15	60	10
28	11448	Kasna	R	OC	C	8	cust pyroxonite w/ sulf	<0.005	<0.001	0.059	4	7040	31	661	78
28	11497	Kasna	R	OC	SC	18@1	skarn w/ cpy, hem, mag, amph, & grt	<0.005	<0.001	0.101	28.9	**2.24%**	583	1280	129
28	11498	Kasna	R	OC	SC	60@3	skarn w/ cpy, hem & mag	<0.005	0.001	0.122	3.7	8270	23	172	539
28	11581	Kasna	R	OC	SC	30	skarn w/ mag, hem, & cpy	<0.005	<0.001	0.055	3.9	5760	11	250	270
28	11582	Kasna	R	OC	SC	42	skarn w/ mg, hem, & cpy	<0.005	<0.001	0.004	3.5	8500	4	164	41
29	11411	Tak II	R	RC	S			0.005	0.01	0.084	11.1	333	1260	434	94

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Al ppm	Ba ppm	Bi ppm	Ca ppm	Cd ppm	Co ppm	Fe ppm	Ga ppm	Hg ppm	K ppm	La ppm	Mg ppm	Mn ppm	Mo ppm	Na ppm	Ni ppm	S pct	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm
19	11490	0.62	340	5	0.01	<0.5	<1	1.52	<10	<0.01	0.24	20	-0.01	20	2	0.02	<1	0.17	<2	1	15	15	<0.01	7	10
19	11491	0.56	550	5	0.18	<0.5	<1	3.49	<10	<0.01	0.25	10	0.03	343	2	0.13	1	1.6	<2	10	8	3	0.08	3	10
20	11488	0.65	40	<2	0.08	1.0	<1	1.25	10	<0.01	0.17	40	0.02	82	3	0.11	<1	<0.01	<2	<1	8	4	<0.01	<1	10
21	11422	4.34	500	2	1.17	4.9	16	4.69	10	0.02	1.5	10	1.29	390	<1	0.36	6	0.26	13	12	10	106	0.15	115	10
21	11423	2.9	440	40	0.13	3.9	7	9.16	10	0.09	0.28	30	0.38	543	<1	0.01	4	0.63	18	4	12	6	0.03	57	20
21	11424	1.66	440	<2	0.59	19.1	6	3.97	10	0.01	0.52	50	0.51	656	<1	0.09	4	0.04	2	9	29	17	0.19	68	<10
21	11425	2.46	760	5	0.21	1.6	5	7.25	10	0.01	1.17	10	0.21	965	11	0.07	3	0.54	9	6	10	10	0.07	36	10
21	11452	1.44	400	3	0.02	1.0	1	5.17	10	0.03	0.14	10	0.04	353	3	0.01	1	0.21	13	2	16	2	0.01	4	<10
21	11453	0.41	800	<2	0.02	2.5	<1	0.98	<10	0.01	0.09	<10	0.01	76	1	0.05	<1	0.13	<2	1	10	2	<0.01	1	10
21	11454	4.3	780	5	1.22	6.7	17	4.42	10	0.01	1.45	10	1.28	443	<1	0.33	6	0.29	10	13	11	128	0.18	124	<10
21	11469	4.22	740	3	1.61	<0.5	19	4.47	10	0.01	1	<10	1.5	489	1	0.46	14	2.15	12	13	8	151	0.13	126	10
21	11470	3.77	630	<2	1.52	0.9	12	3.67	10	0.01	0.92	10	1.1	201	1	0.43	5	1.04	8	9	10	109	0.15	103	10
21	11471	2.58	870	5	0.03	20.3	3	8.08	10	0.01	0.31	10	0.13	1420	<1	0.02	<1	1.21	8	2	35	2	0.01	14	<10
21	11472	0.7	1260	<2	0.11	37.6	7	1.88	<10	0.01	0.12	30	0.08	3400	2	0.04	3	0.03	<2	2	32	6	0.01	10	<10
22	11553	0.43	550	<2	0.02	<0.5	<1	1.15	<10	0.06	0.15	10	0.01	24	4	0.06	1	0.1	<2	1	8	3	<0.01	2	10
22	11554	0.73	1690	<2	0.02	<0.5	<1	1.11	<10	0.03	0.12	10	0.02	25	4	-0.01	<1	0.14	<2	1	9	4	<0.01	3	10
22	11555	1.96	810	2	0.17	<0.5	11	3.31	<10	0.01	0.36	10	1.09	410	1	0.02	20	2.09	13	1	9	12	<0.01	15	10
23	11573	0.34	1230	102	0.02	6.4	4	3.31	<10	<0.01	0.22	10	0.06	1085	175	0.02	1	0.93	<2	1	15	2	0.07	5	10
23	11574	2.36	770	16	0.2	3.5	15	7.83	10	<0.01	0.22	<10	1.11	3350	29	0.04	17	3.83	<2	5	11	6	0.1	71	<10
23	11575	1.98	960	194	0.12	3.0	16	10.25	10	<0.01	0.23	<10	0.86	2910	42	0.02	18	6.65	<2	3	13	4	0.06	41	10
23	11576	0.28	1590	229	0.01	<0.5	1	4.43	<10	0.01	0.22	10	0.01	585	79	0.02	<1	0.39	<2	1	17	5	0.05	5	10
23	11577	1.93	690	2	1.09	<0.5	27	6.77	10	<0.01	0.4	<10	0.52	2120	16	0.12	35	4.78	<2	7	8	33	0.17	91	10
24	11511	2.62	200	<2	0.98	<0.5	24	6.21	10	0.01	0.07	<10	1.33	953	<1	0.33	32	4.93	<2	16	8	72	0.26	141	<10
25	11556	0.55	1020	<2	0.17	<0.5	1	1.3	<10	0.01	0.19	<10	0.08	177	2	0.14	1	0.43	<2	2	9	14	0.1	12	10
26	11571	1.7	180	6	0.4	0.5	1405	15.7	10	0.02	0.09	<10	0.8	221	21	0.04	249	10	8	2	7	8	0.02	28	10
26	11572	1.19	50	2	1.47	<0.5	10	2.3	<10	0.01	0.02	<10	0.61	236	2	0.04	20	0.06	3	5	8	83	0.41	92	10
27	11466	1.84	340	10	3.43	3.5	89	11.55	10	0.02	0.03	<10	0.85	562	65	0.08	241	0.08	11	2	7	67	0.07	47	10
27	11467	1.19	70	<2	1.2	0.8	31	4.91	10	0.3	0.05	<10	1.05	207	1	0.09	43	0.53	2	6	8	35	0.28	144	<10
27	11468	1.59	30	<2	1.64	0.5	26	5.53	<10	0.21	0.03	<10	1.24	270	2	0.06	87	0.55	4	6	8	95	0.32	123	10
28	11448	0.16	60	<2	3.44	1.0	93	23.5	<10	0.05	0.01	<10	0.29	6340	5	0.03	2	0.65	22	<1	7	55	0.01	41	20
28	11497	0.21	50	10	5.61	2.5	99	33.4	<10	0.15	0.01	<10	0.4	3840	19	0.04	4	7.12	26	1	7	89	0.01	24	10
28	11498	0.94	40	45	4.47	<0.5	312	19.3	<10	0.02	0.28	<10	1.42	2770	7	0.08	11	7.21	27	4	7	116	0.14	50	20
28	11581	0.17	60	7	6.31	0.8	26	17.5	<10	0.19	0.01	<10	0.65	5250	60	0.02	2	1.32	14	2	7	44	0.01	15	20
28	11582	0.11	70	15	6.45	0.9	26	18.6	<10	0.07	0.01	<10	0.41	5420	16	0.02	1	0.66	9	1	7	56	0.01	8	10
29	11411	3.51	220	20	0.05	<0.5	37	11.7	10	0.02	0.12	<10	2.01	1430	<1	0.01	36	3.74	19	15	8	1	0.1	180	10

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Location	Type	Site	Method	Size (ft)	Description	Pt ppm	Pd ppm	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
29	11447	Tak II	R	OC	SC	7.5@1	fel volc w/ minor feox	<0.005	<0.001	0.044	0.2	55	9	39	13
29	11450	Tak II	R	OC	SC	166@10	mafic volc w/ py & mag	<0.005	0.007	0.097	6	329	1830	851	84
29	11451	Tak II	R	OC	RC		feox gabbro w/ hem	<0.005	0.012	0.004	0.4	193	26	85	11
29	11492	Tak II	R	OC	SC	9	gs w/ cpy in stringers & patches	0.005	0.019	0.005	3.8	**1.04%**	9	53	14
29	11493	Tak II	R	OC	SC	10.5@0.5	gs w/ cpy in stringers	<0.005	0.018	0.005	1.8	4340	7	53	17
29	11494	Tak II	R	OC	SC	11@0.5	gs/ w minor cpy	0.005	0.016	0.001	<0.2	1590	6	43	10
29	11495	Tak II	R	OC	S		gs w/ cpy in stringers	<0.005	0.051	0.635	81	**4.37%**	56	167	9
29	11496	Tak II	R	OC	S		hem stringers in gs w/ cpy & py	<0.005	0.006	0.008	2.5	3330	19	43	6
30	11419	Tazinima	R	FL	G	0.5	fe stained, w/ minor cuox	0.005	0.004	0.048	8	5080	986	**1.87%**	<2
30	11420	Tazinima	R	FL	G		feox alterd rock w/ sulf	<0.005	0.001	0.136	19.7	3800	4850	**4.04%**	5
30	11421	Tazinima	R	FL	G	1	feox alterd rock w/ sulf	<0.005	<0.001	0.422	57.6	**2.48%**	1830	**2.41%**	2
30	11464	Tazimina	R	OC	S		feox sch w/ seams & pods of py/po± cpy	0.008	0.016	0.198	12.5	7900	106	2920	21
30	11465	Tazimina	R	OC	SC	14.5	feox sch w/ seams & pods of py/po± cpy	<0.005	0.005	0.034	2.6	1550	8	1120	7
30	11509	Tazimina	R	RC	S		feox volc?	<0.005	0.005	0.002	<0.2	37	3	90	<2
31	11568	Little Tazinima	R	OC	C	1.7	feox granite w/ dissem cpy	<0.005	<0.001	0.109	47.1	**1.22%**	**1.17%**	1425	4
32	11402	Keefer	SS					--	--	0.045	<0.2	13	3	72	26
33	11407	Rocky K	SS					--	--	<0.005	<0.2	13	4	63	20
34	11405	Old Man Creek	SS					--	--	1.1	<0.2	12	5	57	14
34	11406	Old Man Creek	PC					--	--	0.017	<0.2	22	5	66	23
35	11403	Sleitat Mtn	R	RC	G	3	fg dk gray andesite w/ dissem pyrr	--	--	0.057	4.4	30	70	45	928
35	11404	Sleitat Mtn	R	RC	G	3	light dacite porph w/ qts vn(s)	--	--	0.158	276	627	1245	401	>10000
36	11432	Robin	SS					--	--	<0.005	<0.2	41	12	132	19
37	11431	Shotgun Hills	R	OC	Rep	1	rhyolite porph w/ qtz vn(s)	--	--	1.395	8	231	70	34	2350
38	11410	King Salmon River	SS					--	--	<0.005	0.2	36	11	99	169
39	11408	Tickchik Mtn	R	OC	C	0.5	aplite dike in granite	--	--	0.007	5.8	16	29	18	3490
39	11409	Tickchik Mtn	R	OC	C	1	granite	--	--	<0.005	0.6	3	6	44	297
40	11842	Canyon Creek	SS					<0.005	<0.001	0.003	<0.2	36	7	85	6
40	11843	Canyon Creek	PC				1 pan	<0.005	0.001	0.259	<0.2	39	7	176	<2
41	11811	Millet	R	TP	S		feox gossan in skarn w/ cpy	<0.005	<0.001	0.108	10.9	**4.95%**	8	891	113
41	11813	Millet	R	TP	C	4	feox, cuox skarn w/ cpy	<0.005	<0.001	0.036	13.5	**3.34%**	7	627	58
41	11814	Millet	R	TP	C	6	feox, cuox skarn w/ cpy	<0.005	<0.001	0.047	1.1	9860	5	78	13
41	11815	Millet	R	TP	G	2	feox, cuox skarn w/ cpy	<0.005	<0.001	0.089	3.1	4020	4	1280	29
41	11844	Millet	R	OC	C	6	dk skarn w/ dissem cpy	<0.005	0.001	0.006	1.4	6550	3	79	10
41	11845	Millet	R	TP	Rep		feox cuox skarn	<0.005	<0.001	0.077	14.1	**5.86%**	5	784	65
41	11846	Millet	R	TP	S		dk gray feox skarn w/ dissem cpy	<0.005	0.001	0.006	1.8	6340	2	184	19

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Al ppm	Ba ppm	Bi ppm	Ca ppm	Cd ppm	Co ppm	Fe ppm	Ga ppm	Hg ppm	K ppm	La ppm	Mg ppm	Mn ppm	Mo ppm	Na ppm	Ni ppm	S pct	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm
29	11447	0.63	540	<2	0.16	<0.5	4	1.79	<10	0.01	0.1	10	0.3	165	<1	0.05	4	0.02	<2	2	9	9	0.06	27	<10
29	11450	3.98	180	8	0.5	8.7	18	9.21	10	0.03	0.09	<10	2.3	1490	<1	0.03	44	1.42	15	13	8	14	0.13	188	<10
29	11451	2.11	130	<2	1.31	<0.5	23	4.84	10	<0.01	0.09	<10	0.93	443	<1	0.18	28	0.05	5	5	8	44	0.21	137	10
29	11492	2.7	20	5	2.25	<0.5	19	5.26	10	0.01	0.06	<10	1.12	327	<1	0.23	41	0.67	<2	6	8	93	0.54	190	10
29	11493	2.1	40	3	1.96	<0.5	20	6	10	0.03	0.06	<10	1.17	313	<1	0.25	44	0.27	<2	6	8	75	0.53	240	10
29	11494	2.34	60	2	2.1	0.5	15	5.13	10	<0.01	0.1	<10	0.96	323	<1	0.25	35	0.01	<2	6	8	58	0.41	211	<10
29	11495	2.05	60	11	3.76	1.7	25	7.24	10	0.24	0.08	<10	1	482	2	0.04	43	3.15	<2	9	9	43	0.41	144	10
29	11496	1.69	110	12	7.54	<0.5	9	4.65	<10	0.05	0.23	<10	0.4	889	<1	0.02	25	0.01	<2	5	8	47	0.14	76	10
30	11419	1.43	70	2	0.07	69.1	12	33.9	10	1	0.05	<10	0.79	380	<1	0.03	36	10	33	4	7	4	0.03	33	<10
30	11420	3.12	40	9	0.87	173.0	24	22.1	10	2	0.02	<10	1.48	646	3	0.15	1	10	26	3	10	18	0.03	31	<10
30	11421	1.92	200	<2	0.08	95.7	54	26	10	1	0.03	<10	1.14	541	<1	0.01	26	10	25	5	8	1	0.02	45	<10
30	11464	3.48	70	<2	0.1	20.8	110	22.7	10	0.02	0.04	<10	2.29	905	14	0.03	12	10	27	17	7	2	0.03	125	<10
30	11465	3.23	180	3	0.22	6.1	35	8.07	10	0.01	0.07	<10	2.57	1140	1	0.05	7	3.46	10	18	7	9	0.06	138	<10
30	11509	3.04	810	<2	1.35	<0.5	14	4.77	10	<0.01	0.79	<10	1.38	783	<1	0.28	5	0.97	<2	9	8	74	0.32	106	10
31	11568	0.29	1940	440	0.17	8.9	1	1.41	<10	0.1	0.05	70	0.02	10250	76	0.03	2	0.4	<2	3	11	7	0.03	11	<10
32	11402	1.68	740	<2	0.34	<0.5	9	2.97	10	0.02	0.07	10	0.58	746	1	0.02	19	0.02	<2	3	9	21	0.09	54	10
33	11407	1.34	830	<2	0.23	<0.5	7	2.44	<10	0.02	0.06	10	0.45	370	1	0.02	17	0.01	<2	3	6	17	0.09	49	<10
34	11405	1.19	760	<2	0.21	<0.5	8	2.93	<10	0.02	0.05	10	0.35	474	1	0.02	17	0.01	<2	3	10	16	0.11	79	10
34	11406	1.75	790	<2	0.83	<0.5	9	5.28	10	0.07	0.29	70	0.58	820	1	0.12	20	0.03	<2	6	21	55	0.49	160	10
35	11403	1.34	800	27	0.09	1.0	2	1.84	<10	0.02	0.87	10	0.39	465	1	0.01	7	0.02	19	2	456	12	0.06	42	230
35	11404	0.29	130	99	-0.01	17.6	<1	18.4	10	0.88	0.17	10	0.01	32	27	-0.01	<1	0.34	728	4	660	14	<0.01	4	<10
36	11432	1.71	1440	<2	0.17	<0.5	17	4.03	<10	0.16	0.07	<10	0.41	895	1	0.01	54	0.02	<2	5	9	16	0.02	52	10
37	11431	0.16	130	21	-0.01	1.0	<1	4.01	<10	0.14	0.05	<10	-0.01	30	113	0.01	<1	0.08	87	<1	21	3	<0.01	2	340
38	11410	1.93	870	<2	0.28	<0.5	15	3.8	10	0.03	0.08	10	0.68	1055	1	0.02	44	0.01	9	4	11	18	0.08	57	10
39	11408	0.18	40	2	0.03	<0.5	<1	0.75	<10	0.13	0.08	<10	0.01	47	1	0.05	<1	0.02	17	1	75	1	<0.01	1	20
39	11409	0.49	220	<2	0.07	<0.5	1	1.33	<10	<0.01	0.31	20	0.11	247	<1	0.04	1	0.02	2	3	14	2	0.09	10	20
40	11842	1.07	600	2	0.83	<0.5	9	10.45	10	0.02	0.05	10	0.37	830	<1	0.03	3	0.09	<2	3	7	54	0.19	298	10
40	11843	0.41	170	3	0.64	<0.5	26	45.1	30	0.03	0.04	10	0.16	2030	1	0.03	7	0.05	<2	3	7	25	0.37	1200	10
41	11811	1.14	90	9	7.17	2.5	87	23.7	<10	0.11	0.02	10	0.7	6310	12	0.02	11	2.63	<2	4	7	67	0.01	32	10
41	11813	0.76	20	<2	6.98	1.2	232	18.9	<10	0.1	0.01	<10	0.99	7330	175	0.03	6	4.73	<2	2	7	71	0.01	49	<10
41	11814	0.26	30	<2	9.67	<0.5	27	16.7	<10	0.02	0.01	<10	0.62	6630	7	0.03	<1	0.7	<2	1	7	60	0.01	15	10
41	11815	0.5	50	5	14.4	3.2	54	12.4	<10	0.11	0.01	<10	0.82	6000	11	0.02	5	0.79	10	1	8	142	0.01	24	<10
41	11844	1.28	90	<2	6.94	<0.5	23	9.28	<10	0.02	0.02	<10	1.62	9820	5	0.02	11	0.62	7	5	7	78	0.04	39	10
41	11845	0.82	50	15	2.52	2.1	121	17.9	<10	0.2	0.01	<10	0.67	6750	11	0.01	30	5.25	17	4	7	19	0.02	34	<10
41	11846	2.61	100	<2	10.95	<0.5	34	5.95	10	0.03	0.03	<10	2.56	2960	1	0.07	61	0.48	9	11	8	267	0.04	67	<10

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Location	Type	Site	Method	Size (ft)	Description	Pt ppm	Pd ppm	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
41	11847	Millet	R	TP	Rep	5	skarn w/ tr cpy	<0.005	0.002	0.161	43.8	6330	8	1620	124
41	11848	Millet	R	OC	C	5	feox dk skarn w/ cpy	<0.005	<0.001	0.007	1.3	4700	4	144	14
41	11849	Millet	R	OC	C	5	dk gray feox skarn w/ dissem cpy	<0.005	<0.001	0.018	6.8	**1.23%**	7	293	61
41	11850	Millet	R	TP	Rep	3	feox skarn w/ tr cpy	<0.005	0.001	0.108	10.1	9660	28	249	251
41	11851	Millet	R	TP	Rep	3	dk gray feox skarn w/ dissem cpy	0.006	<0.001	0.006	1.6	5700	10	202	14
41	11852	Millet	R	RC		3	dk gray feox skarn w/ dissem cpy	<0.005	<0.001	0.195	20.6	7170	50	2630	691
41	11853	Millet	R	TP	Rep	2	dk gray feox skarn w/ dissem cpy	<0.005	<0.001	0.01	2.7	8830	6	370	24
41	11854	Millet	R	TP	Rep	5	feox gossan skarn	<0.005	<0.001	0.049	7.3	2340	15	533	216
42	11855	Anelon	SS					<0.006	<0.001	<0.001	<0.2	7	5	54	4
42	11856	Anelon	PC				1 pan	<0.005	<0.002	0.094	<0.2	4	2	26	2
43	11863	Frying Pan	R	RC	G	10	feox volc w/ tr py	<0.005	0.014	0.266	2	88	15	17	18
43	11864	Frying Pan	R	RC	G	10	feox fel volc w/ dissem py	<0.005	<0.001	0.037	0.6	6	17	14	63
44	11826	308 Zone	R	OC	Rep	2	granite porph	<0.005	<0.001	0.028	0.3	104	2	24	2
45	10785	Pile	R	RC	G		mg hbl gabbro	<0.005	0.001	<0.001	<0.2	212	2	62	4
45	11812	Pile	R	OC	G	1	gb w/ mag	0.005	0.002	0.001	<0.2	210	2	37	3
46	10777	Dutton	R	RC	G		hem alt vn(s) in greenstone	0.005	<0.001	<0.001	<0.2	5	7	46	<2
46	10778	Dutton	R	OC	Rep		fest greenstone	<0.005	<0.001	0.006	<0.2	147	2	57	18
46	10781	Dutton	R	OC	C	3	shear in gs w/ cpy, mo, & gn	0.008	0.017	0.247	28.7	**1.88%**	22	1080	183
46	10782	Dutton	R	OC	Rep	2	msv cpy, gn, & mo in shear zone	<0.005	0.02	0.184	37.7	**2.47%**	14	1050	121
46	10783	Dutton	R	OC	C	3	cpy & cuox in feox shear	<0.005	<0.001	0.024	8.7	4990	6	21	35
46	11800	Dutton	R	RC	S	0.5	vn in di w/ dissm mag	<0.005	<0.001	<0.001	<0.2	29	7	25	<2
46	11801	Dutton	R	Rc	Rep	1	mag-hb-qtz rich diorite	0.007	0.002	<0.001	0.8	46	54	138	53
46	11806	Dutton	R	TP	C	2	feox gs w/ cpy	0.01	0.018	0.047	4.5	2170	9	161	252
46	11807	Dutton	R	TP	C	5	feox volc w/ tr cpy & py	0.01	0.004	<0.001	<0.2	50	5	9	2
46	11808	Dutton	R	RB	G		feox gossan in skarn w/ py & cpy	<0.005	0.002	0.007	43.7	61	2470	5050	3060
47	10779	Duryea	R	RC	G		fest and cust gossan	<0.005	0.007	0.008	0.3	**1.55%**	43	416	20
47	11804	Duryea	R	TP	S		feox gs w/ cpy, py ± mo, sph	<0.005	0.012	0.061	5.7	**2.42%**	5	117	7
48	11802	Duryea area	R	OC	C	3	gs br w/ tr sulf	0.01	0.023	0.017	0.6	378	4	31	11
48	11803	Duryea area	R	RC	C	1	skarn	<0.005	0.002	0.004	<0.2	482	2	8290	7
49	10780	Ground Hog	R	OC	C		gs	<0.005	0.002	0.043	4.1	4670	3	62	4
49	11805	Ground Hog	R	OC	C	3	skarn w/ sulf	<0.005	0.001	<0.001	0.4	238	8	31	30
49	11809	Ground Hog	R	TP	Rep	15	feox gossan in skarn w/ py & cpy	<0.005	0.002	0.048	3.3	3450	13	182	42
49	11810	Ground Hog	R	TP	Rep		feox gossan in skarn w/ py & cpy	0.005	0.008	0.083	3.1	5830	12	146	87
50	11825	Durant	R	OC	C	1	feox shear w/ carb,sil & tr sulf	0.007	0.008	0.002	<0.2	105	3	63	16
50	11831	Durant	R	OC	C	1	qtz-calc vein w/ py	<0.005	0.011	0.04	0.5	1220	<2	28	6

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Al ppm	Ba ppm	Bi ppm	Ca ppm	Cd ppm	Co ppm	Fe ppm	Ga ppm	Hg ppm	K ppm	La ppm	Mg ppm	Mn ppm	Mo ppm	Na ppm	Ni ppm	S pct	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm
41	11847	0.9	<10	<2	10.45	4.2	21	13.65	<10	0.51	0.01	<10	1.03	2830	34	0.02	11	1.38	20	4	8	201	<0.01	45	<10
41	11848	0.64	110	2	15.6	<0.5	28	9.85	10	0.04	0.03	10	1.02	7900	3	0.03	6	0.82	7	2	7	148	0.02	24	10
41	11849	0.65	70	<2	8.64	<0.5	164	18.3	<10	0.06	0.03	<10	0.74	5710	8	0.02	9	4.22	15	3	7	101	0.01	26	10
41	11850	0.23	40	<2	2.49	<0.5	41	29.9	<10	0.12	0.01	<10	0.33	3400	10	0.02	1	0.33	29	1	7	27	0.01	16	10
41	11851	0.28	20	<2	12.4	<0.5	42	16.3	<10	0.03	0.01	<10	0.85	5920	6	0.03	3	0.72	12	1	7	112	0.01	11	10
41	11852	0.12	<10	3	0.18	8.2	104	30	<10	0.21	-0.01	<10	0.05	924	22	0.01	3	1.3	36	1	7	3	<0.01	19	<10
41	11853	0.12	10	<2	12.4	0.5	79	16.8	<10	0.03	0.01	<10	0.36	10600	8	0.03	1	1.18	13	<1	6	104	<0.01	9	10
41	11854	0.08	<10	5	0.04	0.7	35	21.6	<10	0.07	-0.01	<10	0.01	487	18	0.01	<1	1.02	18	<1	7	1	<0.01	16	<10
42	11855	0.91	640	<2	0.49	<0.5	3	1.35	<10	0.01	0.03	10	0.5	179	<1	0.04	2	0.02	<2	4	9	31	0.15	26	10
42	11856	0.74	770	<2	0.38	<0.5	4	1.24	<10	0.01	0.07	10	0.28	226	<1	0.07	6	0.03	2	2	8	27	0.11	25	<10
43	11863	0.61	700	3	0.23	<0.5	6	5.04	<10	0.01	0.2	<10	0.41	203	7	0.02	1	0.42	<2	5	8	30	0.03	120	10
43	11864	0.66	1200	<2	0.02	<0.5	<1	0.91	<10	0.03	0.09	20	0.04	103	9	0.03	<1	0.02	<2	2	9	5	<0.01	2	10
44	11826	0.81	690	<2	0.38	<0.5	4	3.06	<10	0.01	0.05	<10	0.57	203	3	0.07	2	0.73	<2	3	8	21	0.09	60	10
45	10785	1.66	920	<2	0.52	<0.5	12	2.91	10	0.04	0.67	10	1.19	602	<1	0.08	5	0.03	<2	5	9	20	0.2	78	<10
45	11812	1.83	300	<2	1.49	<0.5	25	5.87	10	0.01	0.09	<10	1.79	396	<1	0.2	23	0.02	<2	19	8	36	0.25	323	10
46	10777	7	<10	2	4.16	<0.5	80	10.1	10	0.03	0.01	<10	9.08	1110	<1	0.34	173	0.02	<2	3	8	291	0.14	261	<10
46	10778	1.69	220	2	0.32	<0.5	8	6.43	10	0.03	0.07	<10	1.27	559	1	0.12	1	0.99	<2	9	9	12	0.11	115	10
46	10781	2.96	40	18	4.32	23.6	279	19.4	10	<0.1	0.11	<10	1.88	1080	6	0.04	95	7.17	<2	12	7	40	0.25	147	<10
46	10782	3.69	40	25	5.45	23.2	85	9.16	10	<0.1	0.09	<10	2.68	1440	3	0.04	48	2.77	<2	13	8	44	0.3	180	<10
46	10783	0.28	20	7	4.44	<0.5	28	7.14	<10	0.16	<0.01	<10	0.09	3610	<1	0.01	<1	0.87	<2	1	7	10	0.03	9	20
46	11800	1	1830	<2	0.44	<0.5	2	1.09	<10	<0.01	0.21	10	0.28	255	<1	0.11	1	0.01	<2	2	9	27	0.06	20	<10
46	11801	7.47	60	<2	4.98	<0.5	12	5.16	10	0.06	0.02	<10	0.65	2940	<1	0.5	17	0.01	<2	6	8	368	0.11	222	<10
46	11806	3.31	40	15	0.71	1.2	82	16.7	10	0.02	0.07	<10	2.27	1140	5	0.02	23	0.26	<2	13	7	11	0.34	185	10
46	11807	0.58	1710	2	0.74	<0.5	2	4.62	<10	<0.01	0.13	<10	0.31	184	3	0.02	4	0.29	<2	3	8	14	0.56	65	10
46	11808	0.18	630	12	0.69	10.2	1	39.2	<10	1.83	0.18	<10	-0.01	50000	25	0.06	9	0.01	71	4	7	664	<0.01	69	<10
47	10779	0.76	50	8	0.06	<0.5	32	50	10	0.27	0.02	<10	0.13	759	29	0.02	5	0.11	<2	2	7	5	0.02	62	10
47	11804	1.74	330	<2	0.85	0.9	59	5.36	<10	0.04	0.09	<10	1.16	509	237	0.03	24	2.35	<2	7	8	14	<0.01	56	10
48	11802	1.51	90	<2	0.72	<0.5	5	6.55	<10	0.03	0.07	<10	0.99	295	16	0.03	19	0.42	<2	6	8	56	0.62	135	10
48	11803	0.98	40	<2	6.73	62.2	36	1.84	<10	0.97	-0.01	<10	0.21	1320	3	0.03	3	0.82	<2	4	7	73	0.11	38	<10
49	10780	1.4	700	2	0.22	<0.5	18	3.8	<10	0.05	0.18	10	0.96	294	154	0.03	11	0.19	<2	4	9	6	<0.01	28	20
49	11805	0.19	10	4	17	<0.5	8	18.5	10	0.01	-0.01	<10	0.07	4550	1	0.02	5	<0.01	<2	<1	7	21	<0.01	6	100
49	11809	1.21	40	5	11	1.2	12	20.1	20	0.11	0.05	<10	0.73	4300	10	0.02	8	0.43	5	3	9	72	0.06	100	350
49	11810	2.22	110	<2	7.51	<0.5	20	22.7	10	0.21	0.08	<10	1.23	4890	119	0.02	15	0.11	13	9	9	29	0.09	140	280
50	11825	0.74	20	<2	12.4	<0.5	27	4.54	<10	0.5	0.07	<10	4.7	1830	<1	0.02	76	0.08	3	15	8	57	<0.01	78	10
50	11831	1.01	10	<2	1.9	<0.5	35	2.56	<10	0.06	0.02	<10	0.61	345	<1	0.02	33	0.92	<2	4	7	18	0.22	54	10

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Location	Type	Site	Method	Size (ft)	Description	Pt ppm	Pd ppm	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
51	11823	Durant area	SS					0.006	0.01	0.082	<0.2	158	2	41	9
51	11824	Durant area	SS					0.01	0.017	0.001	<0.2	84	4	40	5
52	11832	Easy	R	OC	Rep	3	fg gs w/ qtz vn(s)	0.006	0.021	0.002	<0.2	130	<2	37	3
52	11833	Easy	R	FL	S	0.5	msv clot of py in gs	<0.005	0.009	0.097	4	1450	2	29	129
53	10784	Meadow area	SS					0.01	0.008	0.009	<0.2	39	2	54	11
54	11835	Meadow	R	OC		2	fg gs w/ dissem py	<0.005	0.001	<0.001	0.2	73	9	58	5
54	11839	Meadow	R	OC	Rep	2	feox gs	<0.005	0.003	<0.001	<0.2	75	6	42	5
55	11840	Karen	R	OC	Rep	5	milky white qtz	<0.005	<0.001	0.002	<0.2	20	<2	<2	13
55	11841	Karen	R	OC	Rep	5	gdi	<0.005	<0.001	<0.001	<0.2	42	<2	38	6
56	11836	N. Copper Lake	R	OC	Rep	50	feox volc w/ dissem py	<0.005	0.001	0.002	0.4	36	40	66	20
56	11837	N. Copper Lake	R	OC	C	5	alt gdi w/ py & tr cpy	<0.005	0.001	0.01	<0.2	57	5	31	13
56	11838	N. Copper Lake	R	OC	C	10	feox sheared gdi w/ dissem py & tr cpy	<0.005	0.001	0.008	<0.2	4	3	12	9
57	11834	N. Copper Lake area	R	OC	Rep	6	feox alt volc/ w tr py	<0.005	<0.001	0.002	<0.2	35	14	114	8
58	11861	Copper River	R	OC	C	3	feox bleached volc w/ dissem sulf	<0.005	0.004	0.002	<0.2	34	2	4	15
59	11816	Fog Lake	R	OC	G	2	alt fel volc w/ dissem py	<0.005	<0.001	0.063	0.4	205	3	10	4
59	11827	Fog Lake	R	OC	C	5	feox volc w/ qtz & sulf	<0.005	<0.001	0.381	0.5	350	3	24	11
59	11828	Fog Lake	R	OC	S	0.5	qtz vein in volc w/ cpy & py	<0.005	<0.001	1.45	2	778	5	9	25
59	11829	Fog Lake	R	OC	C	2	alt volc w/ qtz vn & sulf	<0.005	<0.001	0.026	0.2	67	3	13	4
59	11830	Fog Lake	R	OC	SC	30	alt feox volc w/ py & tr cpy	<0.005	<0.001	0.025	0.2	33	7	16	7
60	11822	Sister	R	OC	Rep	20	gdi	<0.005	<0.001	<0.001	<0.2	13	<2	54	3
60	11859	Sister	R	OC	C	2	feox bleached volc w/ dissem py	<0.005	0.005	<0.001	<0.2	46	4	26	293
60	11860	Sister	R	OC	G		feox bleached volc w/ dissem sulf	<0.005	0.004	0.002	<0.2	17	2	3	4
61	11817	Dream Creek	R	OC	Rep		gdi	<0.005	<0.001	<0.001	<0.2	120	4	50	<2
62	11818	Lower Dream Creek	R	OC	C	1	fel volc w/ py	0.005	<0.001	0.004	<0.2	12	23	48	8
62	11819	Lower Dream Creek	R	OC	Rep	2	fel volc w/ py	0.005	0.002	0.055	<0.2	105	4	32	4
63	11858	Gibralter Lake	R	OC	C	2	feox bleached volc w/ dissem py	<0.005	<0.001	0.002	0.2	46	8	41	13
64	11820	Golden Fleece	R	RC	Rep	6	fel volc	<0.005	0.001	<0.001	<0.2	28	2	2	27
65	11862	Peter's Plug	R	OC	G		fg basalt	<0.005	<0.001	<0.001	<0.2	41	2	52	14
66	11857	Aukney	R	OC	Rep	5	feox volc w/ fg dissem py	<0.005	<0.001	0.006	0.2	92	11	50	345
67	11821	KUY	R	RC	C	2	fel volc w/ py	<0.005	<0.001	0.001	<0.2	43	38	53	3
68	11865	Mirror Lake	R	RC	Rep	5	feox fel volc w/ fg dissem sulf	<0.005	<0.001	0.001	<0.2	15	6	85	28
68	11866	Mirror Lake	R	OC		5	dk volc w/ fg dissem cpy	<0.005	<0.001	0.001	<0.2	53	3	23	13
68	11867	Mirror Lake	R	OC	C	3	feox volc w/ dissem cpy	<0.005	0.001	0.007	<0.2	33	7	94	6
69	11874	Hard Core Work	R	RC	Rep	10	feox dac w/ dissem fg py & cpy	<0.005	<0.001	0.025	1.6	125	5	2	6
70	11868	Mirror Lake outlet	R	OC	C	5	feox volc w/ dissem sulf	<0.005	<0.001	0.003	0.2	9	8	44	3

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Al ppm	Ba ppm	Bi ppm	Ca ppm	Cd ppm	Co ppm	Fe ppm	Ga ppm	Hg ppm	K ppm	La ppm	Mg ppm	Mn ppm	Mo ppm	Na ppm	Ni ppm	S pct	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm
51	11823	1.6	170	<2	0.51	<0.5	18	3.53	<10	0.04	0.04	<10	1.07	414	<2	0.04	48	0.03	2	4	8	12	0.17	117	10
51	11824	1.58	190	<2	0.48	<0.5	14	3.41	<10	0.02	0.02	<10	1.01	342	<1	0.04	43	0.02	<2	3	8	20	0.15	110	10
52	11832	1.58	<10	<2	1.15	<0.5	18	2.61	<10	0.01	0.02	<10	1.22	353	<1	0.05	37	0.16	<2	5	8	7	0.18	67	10
52	11833	0.58	10	3	0.16	<0.5	25	17.6	<10	0.04	0.01	<10	0.42	177	65	0.02	70	10	13	3	7	2	0.03	57	10
53	10784	1.56	360	<2	0.56	<0.5	11	4.09	<10	0.03	0.03	<10	0.49	--	<1	0.05	15	0.03	--	2	7	27	0.18	143	10
54	11835	1.42	430	<2	0.99	<0.5	18	4.56	<10	0.02	0.07	<10	0.27	161	<1	0.21	20	1.7	2	2	8	50	0.11	47	10
54	11839	1.8	420	<2	1.2	<0.5	22	5.15	10	0.01	0.09	<10	0.4	202	<1	0.27	29	2.48	3	3	7	61	0.12	47	10
55	11840	0.1	10	<2	0.04	<0.5	<1	0.28	<10	<0.01	0.01	<10	-0.01	23	32	0.04	2	0.03	<2	<1	9	4	<0.01	1	<10
55	11841	1.69	300	<2	0.86	<0.5	9	3.14	10	<0.01	0.33	<10	0.79	282	<1	0.2	4	0.01	<2	4	8	44	0.13	116	10
56	11836	1.34	670	<2	0.11	<0.5	9	5.19	<10	0.02	0.26	<10	0.94	782	1	0.05	5	2.41	5	3	8	6	0.02	39	10
56	11837	1.43	440	<2	0.59	<0.5	10	4.07	<10	0.01	0.17	<10	0.92	362	<1	0.06	9	0.8	2	6	9	24	0.01	65	<10
56	11838	0.98	650	<2	0.06	<0.5	3	2.37	<10	0.01	0.11	<10	0.51	157	<1	0.04	2	0.58	<2	2	9	12	<0.01	24	10
57	11834	3.75	330	3	1.53	<0.5	20	7.04	10	0.01	0.14	<10	2.15	1010	<1	0.15	6	6.69	11	9	8	71	0.17	139	10
58	11861	0.3	800	<2	0.04	<0.5	20	4.98	<10	0.01	0.06	<10	0.01	18	<1	0.05	24	5.18	<2	1	8	31	<0.01	7	<10
59	11816	0.62	1080	<2	0.25	<0.5	9	5.02	<10	0.02	0.17	<10	0.35	150	3	0.02	5	4.81	<2	<1	9	6	<0.01	5	10
59	11827	1.55	430	<2	0.23	<0.5	10	8.38	<10	0.02	0.12	<10	1.07	222	1	0.03	10	5.09	7	4	8	10	<0.01	44	10
59	11828	0.41	230	9	0.04	<0.5	14	28	<10	0.05	0.09	<10	0.22	50	3	0.02	7	10	24	1	7	4	<0.01	9	10
59	11829	1.66	500	<2	0.12	<0.5	8	5.25	10	0.01	0.1	<10	1.12	127	19	0.03	7	1.7	3	1	9	8	<0.01	27	10
59	11830	0.81	320	<2	0.03	<0.5	4	3.44	<10	0.01	0.11	<10	0.56	85	2	0.04	6	1.23	<2	1	9	6	<0.01	14	<10
60	11822	1.85	310	<2	0.62	<0.5	13	3.68	10	0.01	0.05	<10	1.38	456	<1	0.07	4	<0.01	3	3	9	29	0.13	79	10
60	11859	2.48	60	4	0.15	<0.5	7	5.68	10	<0.01	0.04	<10	1.59	364	<1	0.05	5	1.15	12	10	9	8	<0.01	113	10
60	11860	0.32	800	<2	0.05	<0.5	9	3.94	<10	0.01	0.05	<10	0.01	18	<1	0.06	15	3.66	<2	1	8	45	<0.01	8	10
61	11817	1.33	270	<2	1.02	<0.5	7	3.04	<10	0.01	0.04	<10	0.5	393	<1	0.17	1	0.02	<2	2	8	64	0.09	64	10
62	11818	2.27	550	<2	0.08	<0.5	2	3.87	10	<0.01	0.1	<10	1.9	748	5	0.06	4	0.45	3	6	9	353	<0.01	90	10
62	11819	3.59	550	3	0.21	<0.5	19	5.87	10	0.01	0.09	<10	3.55	495	<1	0.07	45	2.74	9	9	9	24	0.01	116	<10
63	11858	3.28	550	2	0.76	<0.5	6	5.2	10	0.01	0.1	<10	1.46	384	<1	0.12	6	1.49	6	5	8	132	0.12	67	<10
64	11820	0.3	760	<2	0.01	<0.5	<1	4.94	<10	0.01	0.02	<10	0.01	16	<1	0.01	<1	0.08	<2	1	8	24	<0.01	15	10
65	11862	1.36	530	<2	1	<0.5	11	3.92	<10	<0.01	0.05	10	0.13	377	<1	0.23	6	0.01	<2	3	8	80	0.57	214	10
66	11857	0.81	880	<2	0.42	<0.5	4	4.06	<10	0.41	0.1	<10	0.23	396	3	0.04	1	3.61	<2	2	8	10	0.08	6	10
67	11821	1.37	870	<2	0.14	<0.5	6	4.83	10	0.01	0.11	<10	1.07	421	1	0.07	7	1.35	2	5	8	23	0.02	55	<10
68	11865	4.62	340	<2	1.66	<0.5	12	5.06	10	0.03	0.06	<10	1.36	509	1	0.29	5	2.72	12	6	8	186	0.14	88	10
68	11866	3.31	1740	2	0.52	<0.5	9	9.14	10	<0.01	0.24	10	0.36	554	2	0.07	32	0.77	12	9	9	85	0.27	150	10
68	11867	3.13	1080	2	0.38	<0.5	11	7.18	10	<0.01	0.24	<10	1.22	1030	<1	0.08	28	2.14	9	5	8	91	0.01	65	10
69	11874	0.22	440	3	-0.01	<0.5	4	2.41	<10	0.02	0.2	<10	-0.01	13	1	0.02	4	1.28	<2	1	9	7	<0.01	5	10
70	11868	2.07	600	<2	0.42	<0.5	8	3.95	10	0.01	0.19	<10	1.2	451	<1	0.06	4	2.44	2	4	8	39	0.05	53	<10

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Location	Type	Site	Method	Size (ft)	Description	Pt ppm	Pd ppm	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
70	11869	Mirror Lake outlet	R	OC	C	4	feox volc w/ dissem sulf	<0.005	<0.001	0.003	<0.2	15	10	28	3
71	11875	Iron Spring	R	RC	Rep	5	feox dac w/ dissem fg sulf	<0.005	<0.001	0.034	1.2	73	12	54	16
72	10789	Pfaff	R	OC	C	5	qtz veins w/ py, cpy, & bn in shear in gs	<0.005	0.003	1.02	53.5	5660	630	1580	125
72	10790	Pfaff	R	OC	C	8		<0.005	0.001	0.775	34.2	6480	254	574	84
72	10791	Pfaff	R	OC	G		vesicular andesite w/ rare sulf	<0.005	0.001	0.088	1.5	205	17	100	150
72	10792	Pfaff	R	OC	C	2	qtz veins w/sulf & cust in shear in gs	<0.005	0.006	0.894	103	**3.04%**	657	800	82
72	11597	Pfaff	R	TP	C	4.4	qtz vn in volc/ w bn, cpy, cuox	<0.005	0.001	2.28	54.8	6470	274	395	10
72	11598	Pfaff	R	TP	C	2.2	qtz vein in volc w/ bn & cuox	<0.005	0.001	1.385	86	**1.28%**	381	513	<2
72	11599	Pfaff	R	TP	SC	11	cacite shear w/ qtz vn(s) & cuox	<0.005	0.003	1.055	75.2	**1.72%**	125	790	3
72	11870	Pfaff	R	OC	C	0.7	vuggy qtz vn w/ sulf	<0.005	<0.001	0.321	12.5	319	378	271	4
72	11871	Pfaff	R	RC	S	1	vuggy qtz vn in volc w/ clots of bn	<0.005	0.003	24.6	107	**1.42%**	669	456	20
72	11872	Pfaff	R	RC	S	0.5	vuggy qtz vn in volc w/ clots of bn	<0.005	0.001	1.745	226	**1.86%**	109	197	113
72	11873	Pfaff	R	RC	S	0.5	vuggy qtz vn in volc w/ clots of bn	<0.005	<0.001	5.67	317	**1.67%**	153	192	722
72	11910	Pfaff	R	TP	S	0.5	qtz vn w/ cuox & bn	<0.005	0.002	0.924	175	**2.45%**	2290	4230	7
72	11911	Pfaff	R	TP	S	1	cuox volc	<0.005	0.001	<0.001	0.6	75	17	40	5
72	11912	Pfaff	R	TP	S	1	feox, cuox qtz vn/ w sulf	0.007	<0.001	24.0	898	**8.56%**	1555	630	377
72	11913	Pfaff	R	TP	C	20	qtz vn w/ cu sulf	0.01	0.003	15.4	316	**7.04%**	504	1375	405
73	11914	Battle Lake	R	OC	G		feox volc w/ tr py	<0.005	0.001	0.154	19.8	1960	49	42	23
74	11400	Muklung	SS					--	--	0.013	<0.2	62	4	93	46
75	11503	Marsh Mtn	R	MD	G		gw w/ carb ± cin	--	--	0.011	0.2	13	9	125	176
76	11501	Heigemeister Strait	PC				2 pans	--	--	0.005	<0.2	47	2	77	12
77	11502	Slug River	PC				1 pan	--	--	0.006	<0.2	29	2	78	10
78	11884	KAMI	SS	RC	G, S	0.17		<0.005	0.001	0.078	2.1	562	8	32	8
79	11885	Cottonwood Creek	SS					<0.005	0.004	0.016	<0.2	16	2	39	<2
79	11886	Cottonwood Creek	PC				1 pan	<0.005	0.002	0.138	<0.2	167	<2	41	4
80	10793	Kulik Copper	R	FL	G		dark volc w/py clots	<0.005	0.007	0.101	1.2	133	10	45	22
80	10794	Kulik Copper	R	TP	S	15	fg volc w. py & cuox	<0.005	0.001	0.009	2	**1.91%**	17	110	14
80	10795	Kulik Copper	R	OC	G		feox volc br	<0.005	0.001	0.018	0.6	575	6	54	18
80	11601	Kulik Copper	R	TP	G		skarn w/ msv hem, py ± cpy	<0.005	0.003	0.051	1.7	1150	16	135	49
80	11602	Kulik Copper	R	OC	S		skarn w/ hem, py & cpy	<0.005	0.005	0.015	0.8	378	67	290	71
81	11600	Kulik Copper area	R	RB	G		int w/ dissem & seams of po/py ± cpy	<0.005	0.002	0.02	1.3	241	13	39	5
81	11603	Kulik Copper area	R	OC	G		di w/ seams & dissem py	<0.005	0.001	0.007	0.2	205	5	29	<2
82	10796	B2020-56	R	OC	G		feox volc w/ fg dissem py	<0.005	0.007	0.021	0.5	434	9	27	11
82	11887	B2020-56	R	OC	S	1	feox qtz vn w/ py	<0.005	0.002	0.416	3.4	114	399	1185	582
82	11888	B2020-56	R	OC	S	0.5	feox qtz vn in gdi w/ py	<0.005	0.002	0.02	0.2	19	8	10	4

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Al ppm	Ba ppm	Bi ppm	Ca ppm	Cd ppm	Co ppm	Fe ppm	Ga ppm	Hg ppm	K ppm	La ppm	Mg ppm	Mn ppm	Mo ppm	Na ppm	Ni ppm	S pct	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm
70	11869	1.29	420	2	0.03	<0.5	5	3.22	<10	<0.01	0.09	<10	0.87	277	<1	0.05	2	1.87	<2	2	8	7	<0.01	22	<10
71	11875	3.18	490	4	0.29	<0.5	11	5.9	10	0.01	0.1	<10	2.35	638	1	0.06	13	1.79	11	5	8	22	0.05	96	<10
72	10789	1.12	170	78	0.22	3.9	8	2.64	<10	0.01	0.07	<10	0.36	1470	<1	0.02	5	0.03	42	4	10	18	0.02	127	<10
72	10790	1.24	150	26	0.51	1.7	7	2.36	<10	<0.01	0.05	<10	0.52	1160	<1	0.01	5	0.04	18	5	10	40	0.03	76	<10
72	10791	4.06	170	2	3.6	<0.5	21	5.38	10	0.03	0.06	<10	1.93	1040	<1	0.16	18	0.31	3	22	8	77	0.41	193	10
72	10792	0.68	190	9	0.23	2.1	5	4.46	10	0.1	0.04	<10	0.21	718	4	0.01	3	0.02	76	3	12	20	0.01	130	<10
72	11597	0.85	100	75	0.29	0.6	5	2.1	<10	0.03	0.03	<10	0.32	996	<1	0.02	1	0.07	2	3	10	19	0.02	59	10
72	11598	1.54	80	7	0.98	1.5	6	2.26	<10	0.1	0.03	<10	0.43	1115	<1	0.01	3	0.03	<2	6	11	74	0.03	91	<10
72	11599	2.88	720	<2	0.38	0.9	24	5.44	10	<0.1	0.14	<10	1.53	4160	<1	0.01	9	0.03	2	9	10	38	0.03	96	<10
72	11870	0.7	70	4	0.15	0.6	5	1.23	<10	<0.01	0.01	<10	0.37	664	<1	0.01	4	<0.01	<2	2	9	27	0.02	44	<10
72	11871	0.86	190	619	0.07	1.2	10	2.88	<10	0.2	0.04	<10	0.38	1070	<1	0.01	3	0.01	5	2	12	4	0.01	79	<10
72	11872	0.37	20	108	0.04	0.9	6	2.13	<10	0.1	0.01	<10	0.13	551	<1	0.01	1	0.04	13	1	16	3	<0.01	32	10
72	11873	0.08	10	249	0.02	2.0	<1	1.4	<10	0.3	-0.01	<10	0.01	32	1	-0.01	1	<0.01	513	1	23	2	<0.01	13	40
72	11910	2.13	660	2	0.91	11.8	16	5.35	10	0.1	0.07	<10	0.93	2500	<1	0.05	4	0.01	9	10	13	52	0.11	126	<10
72	11911	1.27	550	<2	0.38	<0.5	4	1.99	<10	<0.01	0.37	10	0.26	406	<1	0.06	2	0.01	<2	5	8	22	0.16	37	<10
72	11912	1.24	110	613	0.21	2.3	13	7.85	10	0.1	0.04	<10	0.29	1575	2	0.01	2	0.36	595	3	27	25	0.01	84	<10
72	11913	1.51	30	195	0.06	4.0	24	4.8	10	0.1	0.06	<10	0.39	3330	2	0.01	3	0.26	94	2	16	3	<0.01	73	<10
73	11914	1.41	230	13	0.03	<0.5	<1	3.97	10	0.01	0.22	10	0.77	379	<1	0.16	<1	0.8	15	5	10	32	0.03	45	10
74	11400	2.99	710	<2	0.44	<0.5	19	4.84	10	0.03	0.57	10	0.71	1465	2	0.03	18	0.03	<2	8	5	41	0.24	130	10
75	11503	0.21	110	<2	20.4	<0.5	5	3.53	<10	100	0.02	<10	5.3	1185	<1	0.02	16	<0.01	3	5	<5	604	<0.01	79	20
76	11501	2.53	470	<2	1.33	<0.5	18	6.03	10	0.08	0.16	10	1.44	1270	1	0.08	48	0.04	3	10	<5	55	0.37	209	10
77	11502	2.54	400	<2	1.3	<0.5	14	4.39	10	0.03	0.12	10	1	919	<1	0.06	30	0.03	<2	9	5	63	0.35	129	10
78	11884	0.93	430	<2	0.32	<0.5	14	13.7	10	0.02	0.29	<10	0.4	250	2	0.13	26	0.05	<2	3	8	24	0.13	192	10
79	11885	1.23	640	<2	0.74	<0.5	8	3.21	<10	0.02	0.03	<10	0.59	405	<1	0.02	10	<0.01	<2	7	6	38	0.19	118	10
79	11886	0.73	410	<2	0.4	<0.5	19	18.9	10	0.04	0.09	<10	0.39	440	2	0.04	39	0.05	<2	3	7	20	0.15	683	10
80	10793	0.87	10	3	1.25	<0.5	3	11.05	<10	<0.01	0.01	<10	0.27	338	<1	0.02	18	0.32	2	4	7	68	0.21	101	10
80	10794	1.69	490	<2	1.83	<0.5	125	4.47	<10	<0.01	0.1	20	0.72	1110	<1	0.15	16	0.44	2	23	8	48	0.09	158	<10
80	10795	2.56	610	3	0.17	<0.5	12	6.45	10	0.01	0.21	<10	1.35	733	4	0.05	7	0.2	<2	12	9	13	0.03	118	20
80	11601	1.13	190	5	3.45	<0.5	10	10.5	<10	0.02	0.05	10	0.62	2310	4	0.03	16	0.17	<2	7	8	28	0.06	48	200
80	11602	1.17	50	<2	4.21	1.3	19	5.16	<10	0.01	0.02	10	0.36	2000	2	0.04	41	1.01	3	6	8	63	0.1	49	10
81	11600	1.82	310	<2	1.24	<0.5	12	3.01	10	<0.01	0.06	<10	0.74	312	1	0.28	8	0.72	<2	5	8	50	0.13	72	10
81	11603	1.14	740	<2	0.84	<0.5	12	4.09	<10	<0.01	0.05	<10	0.64	435	1	0.2	4	0.53	<2	7	8	35	0.21	163	10
82	10796	1.79	320	5	0.17	<0.5	5	5.95	10	0.01	0.36	<10	0.96	246	3	0.07	2	0.44	<2	9	9	9	0.01	98	10
82	11887	1.01	300	2	7.31	4.4	10	7	<10	0.23	0.28	<10	1.67	21200	1	0.02	4	2.16	5	12	8	48	<0.01	70	10
82	11888	0.68	900	3	0.03	<0.5	<1	2.27	<10	0.01	0.41	<10	0.05	101	5	0.02	<1	0.35	2	1	11	2	<0.01	7	20

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Location	Type	Site	Method	Size (ft)	Description	Pt ppm	Pd ppm	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
83	10797	American Creek	PC				abundant black sand	--	--	26.3	0.3	18	<2	228	7
83	10798	American Creek	PC				5 fine flakes	<0.005	0.002	10	0.8	16	<2	157	3
83	11500	American Creek	PC				1 pan	--	--	0.034	0.2	16	21	162	29
83	11607	American Creek	R	OC	Rep	0.16	intermed volc w/ qtz vn & py	<0.005	0.001	0.005	2.2	169	257	268	15
83	11608	American Creek	R	OC	G		fg volc w/ dissem & seams of py	<0.005	<0.001	0.006	1.9	192	600	407	36
83	11609	American Creek	PC				1 pan	<0.005	0.001	0.062	<0.2	12	<2	117	5
83	11881	American Creek	SS					<0.005	<0.001	0.002	<0.2	15	2	45	<2
83	11883	American Creek	PC				1 pan	<0.005	0.003	1.17	<0.2	17	<2	149	<2
84	11604	Big River	R	OC	C	0.42	alt gdi w/ qtz vn & py	<0.005	0.001	0.032	10.6	504	84	87	87
84	11605	Big River	R	OC	S		msv gn, cpy, py in alt vein in gdi	0.006	0.001	0.084	368	**5.18%**	**12.55%**	**9.91%**	11
84	11915	Big River	R	OC	SC	6	sulf rich vn	<0.005	0.001	0.08	3.2	937	12	34	6
84	11916	Big River	R	OC	C	4	sulf rich vn	0.008	<0.001	9.07	26.8	1360	4250	8980	136
85	11606	Gorge Creek	PC				1 pan	--	--	--	<0.2	19	<2	143	<2
85	11889	Gorge Creek	SS					<0.005	0.002	0.002	<0.2	15	2	36	<2
85	11890	Gorge Creek	PC				1 pan, 3 vf gold	<0.005	0.004	0.091	<0.2	16	2	69	<2
86	11896	B2020-103	R	OC	S	0.25	feox qtz vn w/ py	<0.005	0.002	0.006	<0.2	51	4	15	3
86	11897	B2020-103	R	OC	C	1	feox qtz vn w/ py	<0.005	0.004	0.009	<0.2	74	4	24	<2
86	11898	B2020-103	R	FL	G		cuox alt sed w/ tr cpy	<0.005	0.002	0.006	4.8	7120	51	308	16
86	11899	B2020-103	R	FL	S		cuox alt sed w/ cpy	<0.005	0.001	0.017	57.6	**3.90%**	47	1790	2
87	11610	Ikagluik River	R	RC	S		alt volc w/ qtz vn, gn, & py	<0.005	<0.001	0.602	11.1	119	**1.09%**	686	32
87	11611	Ikagluik River	R	OC	SC	12	sil alt volc w/ py ± cpy	<0.005	0.002	0.009	0.5	33	115	38	<2
87	11612	Ikagluik River	R	OC	C	7.4	fg seds in shear w/ cuox	<0.005	0.002	0.002	0.2	2520	85	769	7
87	11613	Ikagluik River	R	OC	Rep	4.5	shear in sed w/ fg py	<0.005	0.002	0.385	20.5	2910	147	236	294
88	11891	B2020-87	R	OC	Rep, G	3	fg di w/ py & cpy	<0.005	0.001	0.027	<0.2	320	9	17	5
88	11892	B2020-87	R	OC	C	1	feox di w/ qtz, py & cpy vn	<0.005	0.006	0.203	1.3	3940	7	19	6
88	11893	B2020-87	R	OC	C	5	feox di w/ qtz, py & cpy vn	<0.005	0.001	0.043	<0.2	97	8	18	<2
88	11894	B2020-87	R	OC	S	0.5	di w/ py & cpy	<0.005	0.011	0.26	1.9	9680	6	29	113
88	11895	B2020-87	R	RC	S		feox di w/ qtz, py, cpy & mo vn	<0.005	0.003	0.67	32.5	1830	34	5640	66
88	11917	B2020-87	R	OC	SC	4	di w/ qtz vn(s) & dissem py + cpy	<0.005	<0.001	0.081	0.8	971	10	27	<2
88	11918	B2020-87	R	OC	C	2	di w/ qtz vn(s) & dissem py + cpy	<0.005	0.002	0.2	1.2	1230	81	173	<2
88	11919	B2020-87	R	OC	RC	5	di w/ qtz vn(s) & dissem py + cpy	<0.005	0.01	0.015	0.4	241	5	14	<2
88	11920	B2020-87	R	OC	S	3	di w/ qtz vn(s) & dissem py + cpy	<0.005	0.001	0.036	0.4	967	8	23	<2
89	11878	Kabugakli Lode	R	OC	C	3	fel dike w/ dissem sulf	<0.005	0.001	0.032	<0.2	5	7	25	304
89	11902	Kabugakli Lode	R	OC	C	3	felsic dike w/ qtz vn(s)	0.005	0.001	0.001	0.2	121	7	51	98
89	11903	Kabugakli Lode	R	OC	C	5	shear in seds w/ py	<0.005	<0.001	0.009	0.5	292	7	58	11

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Al ppm	Ba ppm	Bi ppm	Ca ppm	Cd ppm	Co ppm	Fe ppm	Ga ppm	Hg ppm	K ppm	La ppm	Mg ppm	Mn ppm	Mo ppm	Na ppm	Ni ppm	S pct	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti ppm	V ppm	W ppm
83	10797	0.53	10	<2	0.51	<0.5	34	44.9	20	0.03	0.02	10	0.22	1440	1	0.01	36	0.01	<2	7	7	12	0.86	1900	10
83	10798	0.7	100	<2	0.7	<0.5	28	37.1	10	0.02	0.03	10	0.26	1110	<1	0.04	35	<0.01	<2	6	7	22	0.58	1540	10
83	11500	0.75	110	<2	0.72	<0.5	26	36.4	20	0.02	0.04	10	0.29	1155	3	0.06	33	0.02	<2	5	<5	26	0.75	1615	10
83	11607	1.64	1160	<2	12	0.8	4	2.82	10	0.01	0.24	20	0.86	1505	1	0.05	2	0.4	<2	5	8	157	<0.01	27	<10
83	11608	1.92	910	<2	3.12	1.3	4	3.48	10	<0.01	0.19	20	0.76	1270	6	0.06	<1	0.58	2	9	9	39	0.01	34	<10
83	11609	0.83	360	<2	0.56	<0.5	19	16.7	10	0.01	0.04	10	0.31	863	<1	0.04	18	<0.01	<2	5	7	27	0.43	769	10
83	11881	1.28	560	<2	0.6	<0.5	8	3.77	<10	0.01	0.04	<10	0.45	426	<1	0.04	9	0.01	<2	4	8	44	0.13	146	10
83	11883	0.79	180	<2	0.64	<0.5	26	31.7	10	0.01	0.03	10	0.28	1035	<1	0.04	29	0.01	<2	5	6	25	0.51	1310	10
84	11604	2	2500	2	0.85	<0.5	36	5.39	<10	0.01	0.38	<10	0.54	3910	11	0.12	14	4.76	3	3	9	58	0.05	29	20
84	11605	2.13	3250	<2	0.29	405.0	91	10.75	<10	0.1	0.09	<10	0.41	6720	23	0.03	5	10	44	3	10	30	0.04	63	720
84	11915	2.53	90	3	1.66	<0.5	20	2.91	10	<0.01	0.05	<10	0.78	240	<1	0.43	4	2.25	<2	4	9	103	0.1	57	10
84	11916	1.67	250	32	0.95	40.0	23	23.8	<10	<0.01	0.18	<10	0.4	1620	20	0.02	6	10	8	2	8	64	0.06	28	<10
85	11606	1.04	--	<2	0.94	<0.5	25	13.25	10	0.01	0.02	10	0.53	937	<1	0.02	18	0.07	2	12	--	28	0.99	726	--
85	11889	1.1	480	<2	0.66	<0.5	7	2.91	<10	0.01	0.03	<10	0.54	372	<1	0.01	9	<0.01	<2	6	8	33	0.18	108	10
85	11890	1.33	280	<2	1.15	<0.5	14	8.97	10	0.01	0.05	10	0.62	707	<1	0.04	14	<0.01	<2	9	7	44	0.51	416	<10
86	11896	0.67	810	<2	0.09	<0.5	6	2.98	<10	0.01	0.34	<10	0.06	62	3	0.02	3	1.71	3	1	9	6	0.02	8	<10
86	11897	1.95	710	<2	0.67	<0.5	15	7.81	10	0.01	0.17	<10	1.02	124	6	0.1	11	2.86	<2	6	9	44	0.2	77	10
86	11898	3.62	220	14	2.41	2.5	17	4.07	10	0.01	0.04	<10	0.68	871	4	0.14	14	2.55	<2	6	9	219	0.12	60	<10
86	11899	2.36	990	36	2.28	4.1	14	6.32	<10	<0.1	0.11	<10	1.02	2670	5	0.01	17	3.75	<2	5	9	190	0.12	51	<10
87	11610	0.61	450	2	0.23	3.2	1	2.35	<10	0.14	0.28	<10	0.06	118	8	0.01	1	1.36	2	1	9	8	0.01	9	<10
87	11611	1.12	340	<2	0.07	<0.5	3	1.33	<10	<0.01	0.24	<10	0.54	50	1	0.12	2	0.93	<2	2	7	22	0.01	16	10
87	11612	2.43	670	<2	1.67	2.2	20	1.61	10	0.01	0.07	<10	1.46	1025	1	0.12	22	0.22	<2	6	9	101	0.16	68	<10
87	11613	0.92	8490	7	6.57	0.5	34	8.42	<10	0.1	0.2	<10	0.11	4980	4	0.01	7	9.72	14	2	9	38	<0.01	13	<10
88	11891	1.73	400	<2	0.4	<0.5	13	3.41	<10	0.01	0.35	<10	0.96	213	12	0.11	11	2.05	<2	4	9	56	0.01	39	10
88	11892	2.29	540	6	0.48	<0.5	19	4.56	10	0.07	0.7	<10	1.34	240	71	0.1	25	1.55	2	11	9	45	0.09	92	10
88	11893	2.51	420	<2	0.41	<0.5	8	3.7	10	<0.01	0.37	<10	1.54	188	2	0.19	19	0.8	<2	9	9	190	0.07	89	10
88	11894	1.63	80	3	0.13	<0.5	230	33.7	<10	0.07	0.16	<10	0.54	116	2	0.05	329	10	<2	5	6	12	0.03	55	10
88	11895	1.47	710	5	2.42	59.5	7	4.25	<10	2.52	0.43	<10	0.69	209	386	0.05	13	2.01	504	4	10	27	0.01	32	<10
88	11917	2.27	340	<2	0.52	<0.5	10	3.22	10	0.01	0.39	<10	1.18	127	<1	0.17	17	1.45	<2	4	8	69	0.02	53	10
88	11918	3.06	560	<2	0.68	0.6	18	4.3	10	<0.01	0.98	<10	1.88	274	14	0.23	27	1.35	3	14	8	57	0.17	125	10
88	11919	1.91	470	<2	0.28	<0.5	12	3.15	<10	<0.01	0.42	<10	0.98	127	5	0.12	11	1.24	<2	4	8	87	0.02	38	10
88	11920	2.04	570	<2	1.09	<0.5	8	1.61	<10	0.01	0.48	10	1.02	252	10	0.13	15	0.24	<2	5	8	90	0.02	44	10
89	11878	1.08	600	<2	5.52	<0.5	1	1.95	<10	0.01	0.24	<10	0.57	678	<1	0.07	<1	0.09	<2	2	8	97	0.01	17	<10
89	11902	2.02	90	<2	2.55	<0.5	12	3.34	<10	1.13	0.06	<10	0.07	549	<1	0.04	20	0.03	2	15	8	34	<0.01	91	10
89	11903	1.17	580	<2	2.61	<0.5	5	1.92	<10	0.08	0.28	10	0.35	638	1	0.15	3	0.26	<2	3	9	92	<0.01	29	<10

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Location	Type	Site	Method	Size (ft)	Description	Pt ppm	Pd ppm	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
89	11904	Kabugakli Lode	R	OC	C		fel dike w/ qtz vns	<0.005	<0.001	0.111	<0.2	9	9	40	477
89	11905	Kabugakli Lode	R	OC	C	1	feox shear in dike w/ tr py	<0.005	0.002	<0.001	<0.2	43	8	101	38
89	11906	Kabugakli Lode	R	OC	C	2	carbon rich zone in shear w/ py	<0.005	0.002	0.837	<0.2	21	24	34	3780
89	11908	Kabugakli Lode	R	OC	C	2	arg w/ tr py	<0.005	0.003	0.008	<0.2	37	9	102	26
90	11593	Kabugakli Lode Area	R	OC	S		calc alt sed w/ carb vn(s) & sulf	0.009	0.021	1.45	0.3	20	76	130	7960
90	11594	Kabugakli Lode Area	R	OC	G		cald & sil alt seds w/ sulf veinlets	<0.005	0.002	0.007	<0.2	17	7	34	67
90	11595	Kabugakli Lode Area	R	OC	SC	11	qtz-dio w/ dissem po/py	<0.005	0.001	0.009	<0.2	25	7	70	40
90	11596	Kabugakli Lode Area	R	RC	G		fg siltstone w/ dissem py/po	<0.005	0.003	0.011	<0.2	131	7	36	2
90	11882	Kabugakli Lode Area	R	RC	G	1	feox dio w/ dissem sulf	<0.005	0.001	0.03	0.3	72	16	72	<2
91	10788	Kabugakli Placer	PC				3 pans, 1 cs, 3 f, >20 vf	--	--	--	1500	167	<2	97	9
91	11900	Kabugakli Placer	SS					<0.005	0.003	2.62	<0.2	161	4	59	23
91	11901	Kabugakli Placer	PC				2 pans, 6 f, & 30 vf gold	<0.005	<0.001	183.0	6.2	137	5	61	22
91	11907	Kabugakli Placer	R	RC	C	1	py in arg w/ carb vn & tr py	<0.005	0.003	0.005	<0.2	44	19	92	27
91	11909	Kabugakli Placer	PC				3 pans, 6 f gold	--	--	--	11.6	226	3	68	44
92	11588	Becharof Lake	SS					0.006	0.008	--	<0.2	21	<2	53	2
92	11879	Becharof Lake	SS					<0.005	<0.001	0.002	<0.2	22	<2	47	<2
92	11880	Becharof Lake	PC				1 pan	0.034	0.021	0.007	<0.2	21	<2	91	<2
93	11589	Kejulik River	PC				2 pans	--	--	0.844	<0.2	9	<2	61	<2
93	11590	Kejulik River	PC				1 pan	--	--	--	<0.2	15	9	61	<2
93	11591	Kejulik River	PC				1 pan	--	--	--	<0.2	13	3	80	<2
93	11592	Kejulik River	PC				2 pans	--	--	--	<0.2	11	2	78	<2
94	10786	Puale Bay Area	R	RC	G		med to thinly bedded ox ss	<0.005	0.003	<0.001	<0.2	25	4	48	42
94	10787	Puale Bay Area	R	OC	G		med to thinly bedded ox ss	<0.005	0.003	0.005	<0.2	42	6	71	32
94	11586	Puale Bay Area	R	RC	S		ss w/ carb & barite(?) vn(s)	<0.005	0.002	<0.001	<0.2	48	5	76	8
94	11587	Puale Bay Area	R	RC	G		concretions in ss w/ sulf	0.007	0.003	0.001	<0.2	44	5	61	13
94	11876	Puale Bay Area	R	OC	G	3	feox mudstone w/ fg dissem py	0.006	0.003	0.012	0.5	145	18	85	8
95	11877	Sulfur Creek	R	OC	G		feox volc w/ carb	<0.005	0.003	0.004	<0.2	62	16	90	2

Table 2. Analytical results for rock chip, stream sediment, and pan concentrate samples

Map No	Sample	Al	Ba	Bi	Ca	Cd	Co	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	S	Sb	Sc	Sn	Sr	Ti	V	W
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm
89	11904	1.18	550	<2	2.04	<0.5	3	1.55	<10	0.02	0.28	10	0.21	713	<1	0.11	<1	0.21	<2	2	8	53	<0.01	11	<10
89	11905	1.87	330	<2	7.34	<0.5	13	4.73	<10	0.19	0.09	10	0.48	985	21	0.12	10	0.1	<2	9	8	208	<0.01	96	10
89	11906	1.05	690	<2	11.9	<0.5	4	4.38	<10	0.03	0.16	<10	4.44	1050	3	0.07	4	1.2	21	4	8	588	<0.01	36	10
89	11908	2.6	450	<2	2.98	<0.5	16	4.63	10	0.01	0.07	10	1.46	998	<1	0.13	13	0.17	<2	10	8	115	0.01	120	<10
90	11593	1.33	870	<2	4.74	<0.5	9	3.98	<10	0.03	0.24	<10	1.44	1150	<1	0.09	8	0.78	33	5	8	244	0.01	48	<10
90	11594	1.03	170	<2	12.45	<0.5	5	6.56	<10	0.04	0.07	<10	2.85	1825	<1	0.07	9	0.24	3	5	8	206	0.01	47	10
90	11595	2.52	300	<2	1.62	<0.5	7	3.21	10	0.01	0.11	<10	1.16	718	1	0.33	5	0.37	<2	5	8	129	0.11	71	<10
90	11596	4.49	290	<2	2.39	<0.5	14	4.56	10	0.01	0.5	<10	1.15	512	1	0.69	13	1.66	<2	7	9	200	0.23	130	10
90	11882	2.65	270	<2	1.14	<0.5	4	2.94	10	<0.01	0.08	<10	1.18	442	1	0.4	7	0.56	<2	5	8	120	0.12	65	10
91	10788	0.6	--	<2	0.44	<0.5	39	48	10	1.6	0.05	<10	0.28	820	2	0.02	45	0.37	<2	7	--	14	0.5	1615	--
91	11900	1.76	380	<2	0.36	<0.5	18	4.44	<10	0.02	0.15	<10	0.85	494	3	0.05	17	0.09	<2	6	7	35	0.11	106	10
91	11901	1.59	320	<2	0.56	<0.5	19	12.5	10	0.03	0.15	<10	0.7	551	2	0.1	25	0.11	<2	6	7	44	0.19	352	20
91	11907	2.3	430	<2	2.91	<0.5	16	4.64	10	0.03	0.18	10	1.37	1050	<1	0.1	14	0.18	<2	10	9	117	0.01	115	<10
91	11909	0.81	--	<2	0.46	<0.5	45	36.6	10	0.04	0.07	<10	0.41	671	3	0.03	46	0.99	<2	6	--	16	0.32	1120	--
92	11588	1.87	380	<2	1.06	<0.5	12	4.89	10	0.01	0.04	<10	0.55	451	<1	0.12	16	0.01	2	4	8	87	0.27	249	<10
92	11879	1.9	450	<2	1.1	<0.5	11	3.9	<10	0.01	0.06	<10	0.51	447	<1	0.12	14	<0.01	<2	4	8	96	0.21	189	10
92	11880	1.25	170	<2	0.68	<0.5	32	10.65	10	<0.01	0.03	<10	1.15	813	<1	0.09	39	<0.01	<2	5	7	48	0.61	698	10
93	11589	0.67	170	<2	0.41	<0.5	9	6.54	<10	<0.01	0.04	10	0.22	947	<1	0.03	9	<0.01	2	5	8	49	0.92	255	10
93	11590	0.92	350	<2	0.5	<0.5	9	5.73	<10	<0.01	0.06	10	0.27	1025	<1	0.06	8	<0.01	<2	6	8	68	1.03	190	10
93	11591	0.86	160	<2	0.46	<0.5	14	8.66	10	0.01	0.04	10	0.28	1080	<1	0.04	12	<0.01	<2	7	7	38	1.11	407	10
93	11592	0.79	50	<2	0.48	<0.5	13	9.19	10	<0.01	0.04	10	0.27	1525	<1	0.04	12	<0.01	<2	8	7	43	1.36	388	10
94	10786	3.29	440	<2	1.61	<0.5	8	4.55	10	0.03	0.1	10	0.61	371	2	0.29	9	1.05	2	9	8	298	0.32	91	<10
94	10787	3.13	370	<2	2.18	<0.5	15	5.8	10	0.02	0.09	10	1.29	678	5	0.22	20	1.78	<2	13	8	166	0.41	220	10
94	11586	5.68	280	<2	3.67	<0.5	11	4.15	20	<0.01	0.06	10	0.91	627	<1	0.39	9	0.02	<2	8	8	234	0.33	125	<10
94	11587	3.28	560	<2	1.95	<0.5	8	4.48	10	0.01	0.12	10	0.66	474	<1	0.3	9	2.07	<2	9	9	386	0.36	88	10
94	11876	2.84	550	<2	1.75	<0.5	17	5.07	10	0.02	0.09	10	1.29	571	1	0.23	29	2.26	<2	12	8	97	0.33	128	10
95	11877	6.7	120	<2	7.34	<0.5	14	4.8	20	0.02	0.09	10	1.09	734	8	0.12	18	0.04	<2	19	8	29	0.38	161	10

TABLE 3

LATITUDE AND LONGITUDE COORDINATES FOR SAMPLES

Table 3. Latitude and longitude coordinates for 2005-2006 samples. Coordinates are in decimal degrees and use the North American Datum 1927.

Sample No	Latitude	Longitude
11502	58.70962	-161.64127
11503	59.27735	-158.53439
11504	60.85538	-154.22413
11505	60.86425	-154.19644
11506	60.36882	-154.43242
11507	60.47141	-153.83034
11508	60.47157	-153.83096
11509	60.06775	-153.95185
11510	60.26320	-153.56685
11511	60.15659	-153.85446
11512	60.28135	-153.55684
11513	60.16061	-154.05155
11514	60.31285	-153.88760
11551	60.84450	-154.18945
11552	60.84869	-154.16473
11553	60.36757	-154.43099
11554	60.36824	-154.43101
11555	60.35706	-154.47212
11556	60.14480	-153.87615
11557	60.29316	-154.24837
11558	60.29301	-154.25063
11559	60.47505	-153.82900
11560	60.47486	-153.82933
11561	60.47450	-153.82967
11562	60.47454	-153.82521
11563	60.47161	-153.83093
11564	60.47156	-153.83088
11565	60.51523	-153.78833
11566	60.51498	-153.78656
11567	60.51824	-153.78214
11568	60.06933	-153.95556
11569	60.26512	-153.56255
11570	60.26519	-153.56235
11571	60.19191	-153.91687
11572	60.19186	-153.91684
11573	60.16003	-153.85385
11574	60.16003	-153.85368
11575	60.16006	-153.85370
11576	60.16006	-153.85368
11577	60.18129	-153.73682
11578	60.28194	-153.56073
11579	60.28368	-153.55887
11580	60.28368	-153.55881
11581	60.16130	-154.04839
11582	60.16176	-154.04810
11583	60.31691	-153.88537
11584	60.31607	-153.88982
11585	60.25073	-153.58138
11586	57.76885	-155.38959
11587	57.76876	-155.39007
11588	57.93477	-155.97873
11589	57.85109	-155.74134
11590	57.85128	-155.74280
11591	57.85312	-155.74231
11592	57.85289	-155.74204
11593	57.88357	-155.07251
11594	57.88099	-155.07410
11595	57.88260	-155.07360
11596	57.88986	-155.09487
11597	59.10945	-154.87217
11598	59.10902	-154.87524
11599	59.10823	-154.88030
11600	58.91046	-154.89357
11601	58.90894	-154.89892
11602	58.90928	-154.89969
11603	58.91138	-154.89952
11604	58.68306	-153.87259
11605	58.68317	-153.87259
11606	58.67135	-154.84047
11607	58.96149	-155.57651
11608	58.96149	-155.57619
11609	58.96141	-155.57607
11610	58.32162	-155.00046
11611	58.32083	-155.00030
11612	58.33117	-154.99902
11613	58.33203	-154.99502
11800	59.67625	-153.78538
11801	59.67602	-153.78439
11802	59.69499	-153.92936
11803	59.69574	-153.92723
11804	59.68112	-153.95042
11805	59.67574	-153.96357
11806	59.67672	-153.96374
11807	59.67146	-153.95936
11808	59.67319	-153.95802
11809	59.68421	-153.94467
11810	59.68410	-153.94491
11811	59.78139	-154.50877
11812	59.74333	-153.94667
11813	59.78460	-154.51097
11814	59.78459	-154.51100
11815	59.78453	-154.51146
11816	59.50914	-154.35996
11817	59.33708	-154.53241
11818	59.33664	-154.55869
11819	59.33709	-154.56207
11820	59.31424	-154.76834
11821	59.26554	-154.60590
11822	59.41593	-154.20521
11823	59.71196	-154.02530
11824	59.71544	-154.01504
11825	59.71068	-154.00748
11826	59.78541	-155.48645
11827	59.50911	-154.36101
11828	59.50918	-154.36106
11829	59.50903	-154.36068
11830	59.50908	-154.36152
11831	59.71086	-154.00771
11832	59.68848	-153.99943
11833	59.68840	-153.99933
11834	59.61399	-154.11642
11835	59.66665	-154.07008

Table 3. Latitude and longitude coordinates for 2005-2006 samples. Coordinates are in decimal degrees and use the North American Datum 1927.

Sample No	Latitude	Longitude
11836	59.61097	-154.13682
11837	59.59905	-154.05373
11838	59.59903	-154.05387
11839	59.66664	-154.06998
11840	59.63826	-153.94342
11841	59.63828	-153.94342
11842	59.85234	-154.35359
11843	59.85238	-154.35355
11844	59.78067	-154.50827
11845	59.78073	-154.50830
11846	59.78088	-154.50793
11847	59.78111	-154.50849
11848	59.78136	-154.50870
11849	59.78143	-154.50880
11850	59.78513	-154.51128
11851	59.78533	-154.51129
11852	59.78575	-154.51159
11853	59.78587	-154.51134
11854	59.78615	-154.51141
11855	59.67448	-154.94996
11856	59.67448	-154.95000
11857	59.41364	-155.25040
11858	59.34360	-154.60003
11859	59.49702	-154.39384
11860	59.54624	-154.27568
11861	59.54644	-154.27574
11862	59.39392	-155.10748
11863	59.85655	-155.33068
11864	59.85673	-155.31734
11865	59.24145	-154.70365
11866	59.24697	-154.74756
11867	59.24709	-154.74680
11868	59.24632	-154.81803
11869	59.24635	-154.81805
11870	59.10986	-154.86903
11871	59.10970	-154.87002
11872	59.10956	-154.86742
11873	59.10995	-154.86379
11874	59.08319	-154.79513
11875	59.07729	-154.83418
11876	57.76093	-155.66800
11877	57.69431	-155.82301
11878	57.88338	-155.07277
11879	57.94316	-155.95036
11880	57.94314	-155.95035
11881	58.92638	-155.64830
11882	57.88989	-155.09483
11883	58.92638	-155.64826
11884	58.89156	-154.55029
11885	58.92471	-154.93359
11886	58.92472	-154.93370
11887	58.84309	-154.96980
11888	58.84375	-154.97065
11889	58.67634	-154.82446
11890	58.67634	-154.82445
11891	58.26748	-155.43262
11892	58.26882	-155.43439
11893	58.27065	-155.43981
11894	58.26919	-155.43697
11895	58.26917	-155.43396
11896	58.32276	-155.00432
11897	58.32132	-155.00042
11898	58.33425	-154.99463
11899	58.33322	-154.99421
11900	57.88267	-155.07431
11901	57.88267	-155.07431
11902	57.88342	-155.07270
11903	57.88409	-155.07239
11904	57.88407	-155.07251
11905	57.88225	-155.07316
11906	57.88218	-155.07313
11907	57.88288	-155.07465
11908	57.88264	-155.07436
11909	57.88485	-155.08327
11910	59.10704	-154.89099
11911	59.10700	-154.88552
11912	59.10838	-154.88066
11913	59.10861	-154.87802
11914	59.08372	-154.95558
11915	58.68255	-153.87207
11916	58.68304	-153.87303
11917	58.26773	-155.43276
11918	58.26830	-155.43366
11919	58.27023	-155.43940
11920	58.26918	-155.43430