



U.S. Department of Interior
Bureau of Land Management

BLM-Alaska Open-File Report 95
BLM/AK/ST-04/006-3090-942
February 2004



Alaska State Office
222 W Seventh Avenue, #13
Anchorage, AK 99513

Mineral Investigations in the Delta River Mining District, East-Central Alaska, 2003

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Cover Photograph

BLM geologists Peter E. Bittenbender and Jeffery L. Borhauer examine a mineral occurrence near the Canwell glacier in the Alaska Range. Photo by Kacey A. Cole.

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MINERAL INVESTIGATIONS
IN THE
DELTA RIVER MINING DISTRICT
EAST-CENTRAL ALASKA
2003

by

Kirby W. Bean, Peter E. Bittenbender,
Edward C. Gensler, and Jeffery L. Borhauer

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ABSTRACT

In 2003, the Bureau of Land Management (BLM) completed the third year of the Delta River Mining District study. Investigators surveyed, mapped, or sampled 51 mineral occurrences in the 2.9-million-acre Delta River Mining District, which extends across the Alaska Range from Paxson to Delta Junction, in east-central Alaska. The BLM collected and analyzed 446 rock chip, placer, pan concentrate, and stream sediment samples during the investigation. Fieldwork for the Delta River Mineral study is scheduled to be completed in 2004 with a final report being produced in 2005.

INTRODUCTION

As part of the Delta River Mining District study personnel from the Division of Energy and Solid Minerals of the Bureau of Land Management - Alaska (BLM) conducted mineral investigations in the 2.9-million-acre Delta River Mining District in 2003. The investigations are part of the BLM's ongoing mineral assessment program of public land in Alaska as authorized by the U.S. 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...”

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. The BLM is scheduled to complete fieldwork for the mineral assessment of the district in 2004 and produce a final report in 2005.

The Delta River Mining District extends across the eastern Alaska Range from about Delta Junction on the north to Paxson on the south. It is accessible via the Richardson, Denali, and Alaska highways (fig. 1). BLM geologists collected 446 rock chip, stream sediment, pan concentrate, and placer samples while evaluating approximately 51 prospects and mineral occurrences in the district in 2003.

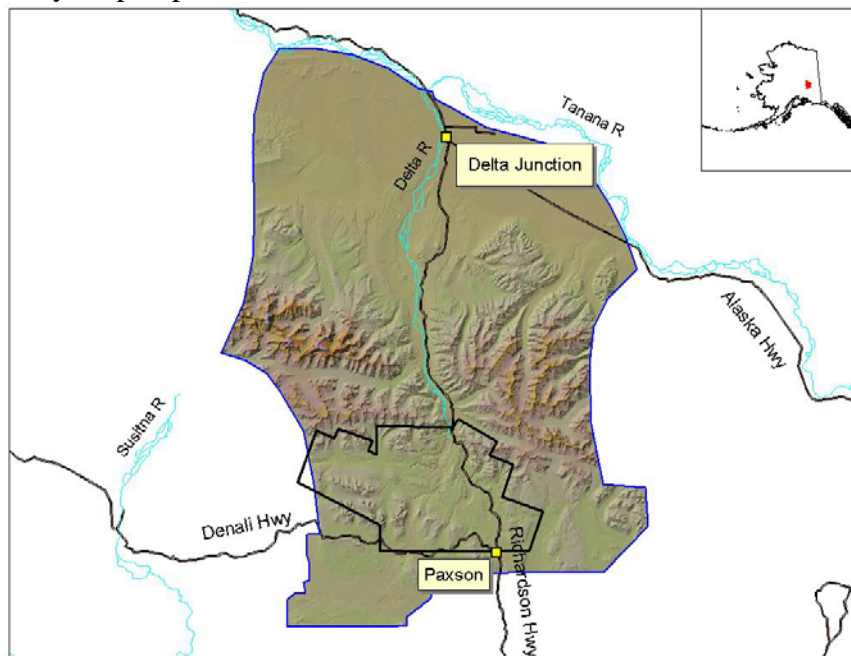


Figure 1. Location of the Delta River Mining District in east-central Alaska. The black polygon in the southern part of the district shows the extent of the BLM's airborne geophysical survey

In this report, the authors present geochemical data that have resulted from the analyses of samples collected in the Delta River Mining District during 2003. Information about the previous work conducted in 2001 and 2002 is presented in BLM Alaska Open-File Report 91 available from the BLM in both hardcopy and a digital PDF format (see <http://juneau.ak.blm.gov>). A full description of the BLM's mineral assessment of the district, with analysis and descriptions of individual properties will be included in the final report on the district.

Table 1 presents data from the evaluation of placer samples the BLM collected during 2003. Don Keill, from the BLM's Northern Field Office in Fairbanks, processed the samples. Part of his processing included separating each sample into magnetic and non-magnetic fractions. Both of the fractions were sent to a commercial laboratory for trace element analysis. Commercial laboratory analytical results for placer, sluice concentrate, pan concentrate, stream sediment, and soil samples are presented in table 2.

Table 3 presents the commercial laboratory's analytical results for rock chip samples. Platinum group element analyses for select rock chip samples are presented in tables 4. Table 5 presents whole rock analyses for select rock chip samples. Coordinates for all samples are presented in table 6.

ACKNOWLEDGMENTS

The authors of this report would like to thank others who participated in field investigations in the Delta River Mining District in 2003. Field assistance was ably provided by Kacey Cole. Joe Kurtak led the investigation of placer deposits in the district. The authors thank Don Keill and Jim Deininger from the BLM's Northern Field Office in Fairbanks for analysis of the placer samples and geologic consultations. Volunteer assistance by geologist Brian Hough was greatly appreciated.

Bill Ellis, of Alaska Earth Sciences, provided invaluable insights into the geology of the area, particularly on the mafic-ultramafic complexes and their platinum group element (PGE) mineral ore potential. The BLM appreciates the expertise shared by other investigators, including Dr. Larry Hulbert of the Geological Survey of Canada.

The authors are also grateful to U.S. Geological Survey (USGS) investigator, Dr. Jeanine Schmidt, who participated in geologic investigations during 2003.

The authors would like to thank the staff of the Tangle River Inn for their gracious hospitality, particularly Nadine and Jack Johnson. Prism Helicopters provided excellent helicopter service.

FIELD SEASON REVIEW

Approximately six BLM geologists and volunteers spent more than five weeks investigating mineral occurrences during July and August 2003. Most of the effort concentrated on the southern part of the district, which hosts Triassic, PGE-bearing, mafic-ultramafic complexes within the Wrangellia terrane. The BLM also investigated other deposit types, including skarn, basaltic copper, vein gold, and placer gold. Geophysical anomalies highlighted by the recently released BLM geophysical survey (Prichard, 2003)¹ were also investigated. Approximately one week was devoted to investigating sites on the north side of the Alaska Range, where rocks known to host volcanogenic massive sulfides (VMS) occur. In all, BLM investigators examined 51 sites and collected 446 samples during the 2003 field season.

In 2002, the BLM contracted for an airborne geophysical survey to be flown in the southwestern part of the Delta River Mining District (fig. 1). The survey, administered by the State of Alaska, Division of Geological and Geophysical Surveys (ADGGS), included the collection of aeromagnetic and resistivity data across approximately 350 square miles. The primary target of the survey was copper-nickel-PGE-bearing mafic and ultramafic rocks. The survey, released to the public in March, 2003, also incorporates approximately 250 square miles of aeromagnetic and resistivity data previously purchased by the BLM. The final product covers about 600 square miles of the southern part of the district. More information about the survey data are available from ADGGS at <http://www.dggs.dnr.state.ak.us/>.

¹ Prichard, Ruth, 2003, Project Report of the airborne geophysical survey of the southern Delta River area, East-Central Alaska: State of Alaska Division of Geological and Geophysical Surveys, Fairbanks, Alaska, 197 p. 2 sheets.

SAMPLING AND ANALYTICAL PROCEDURES

SAMPLING METHODS

BLM personnel collected several types of rock samples during 2003. Channel samples are rock fragments, chips, or dust from a continuous channel of uniform width and depth across an exposure. Chip channel samples are chips of rock taken in a continuous line across a relatively uniform width and depth of an exposure. Continuous chip samples are chips of rock taken in a continuous line across an exposure. Representative chip samples are discontinuous chips of rock taken across an exposure. Spaced chip samples are chips of rock taken at a specified interval across an exposure. Random chip samples are chips of rock taken randomly across an exposure. Grab samples are rock chips or fragments taken more or less at random from an outcrop, float, or mine dump. Select samples are 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.

BLM personnel collected placer concentrate samples using a portable, hydraulic concentrator, with grizzly, spray bar, and 10- by 48-inch sluice box. Sample sizes generally range from 0.05 to 0.1 bank cubic yard (sediment as measured before digging). The volumes of sampled material are calculated using the criterion of a heaping, 16-inch, gold pan equaling 1/160 of a cubic yard (16 heaping pans equals 0.1 cubic yard). The sample from the sluice box is then panned to produce approximately 2.5 ounces of concentrate.

Sluice concentrate samples are collected mostly from active or recently active placer mines. They consist of one to two pounds of black sands and other heavy minerals remaining after the easily recoverable placer gold has been removed. The amount of gravel washed to produce the concentrate is often unknown. BLM personnel collect these samples to find potentially anomalous accessory elements such as arsenic, antimony, bismuth, or tungsten. Following collection, they are processed like placer samples.

ANALYTICAL METHODS

The BLM contracted ALS Chemex¹ to perform analysis of samples collected in 2003. ALS Chemex meets the BLM requirement that analytical service providers to the BLM be ISO 9002 certified. As part of preparation for analysis rock samples are dried, crushed to a minus 10 mesh, split, and pulverized to a minus 150 mesh. Stream sediment samples are dried and sieved to a minus 80 mesh. Pan concentrate samples are pulverized to a minus 150 mesh. Placer and sluice concentrate samples were geochemically analyzed by a commercial laboratory after manual removal of coarse gold (weights of coarse gold from each sample are presented in table 1). The concentrates were processed by the laboratory like pan concentrate samples.

The laboratory analyzed samples for gold by fire assay pre-concentration of a 30-gram sample followed by an atomic absorption spectroscopy (AA) finish and reported results in parts per billion (ppb).

The laboratory analyzed platinum and palladium by fire assay pre-concentration of a 30-gram sample and an inductively coupled argon plasma –atomic emission spectroscopy (ICP-AES) or inductively coupled argon plasma –mass spectroscopy (ICP-MS) finish. The results are reported in parts per million (ppm).

A subset of the rock chip samples was selected and analyzed for the full suite of PGE elements (Pt, Pd, Ir, Os, Rh, and Ru). The analysis utilizes the fire assay technique with nickel sulfide collection and ICP-MS finish. Results using this method are reported in ppb.

Mercury analysis utilized cold vapor AA methods which typically reports results in ppm.

Whole rock geochemistry of rock samples utilized the XRF analytical technique. Samples are pressed into a 10-gram pellet prior to analysis by X-ray fluorescence spectroscopy (XRF). Elemental oxides and loss-on-ignition (LOI) are reported in percent.

Selected samples were analyzed for sulfur using infrared spectroscopy. Results are reported in percent and are designated using bold type face in table 3.

The remaining elements were analyzed by ICP-AES following partial digestion of approximately 0.5 grams of sample and are reported as either ppm or percent. In most instances, when the results of analyses by this method exceed upper detection limits, the sample is not reanalyzed, however results are typically reported as being greater than the corresponding upper detection limit. Analytical values above ICP-AES detection limits are often obtained for a few selected elements. Over detection limits analyses use low-level assay methods consisting of a multi acid digestion and an AA finish.

¹ Mention of ALS Chemex does not signify BLM endorsement.

DETECTION LIMITS BY ANALYTICAL TECHNIQUE

FIRE ASSAY

<u>Element</u>	<u>Range, ppm</u>	<u>Finish method</u>
Au	0.001-10	ICP-AES
Au	0.05-100	Ore grade ICP-MS
Ir	0.002-1	NiS collection
Os	0.002-1	NiS collection
Pd	0.001-10	ICP-AES
Pd	0.05-100	Ore grade ICP-MS
Pd	0.002-1	NiS collection
Pt	0.002-10	ICP-AES
Pt	0.05-100	Ore grade ICP-MS
Pt	0.002-1	NiS collection
Rh	0.002-1	NiS collection
Ru	0.002-1	NiS collection

INFRARED SPECTROSCOPY

<u>Element</u>	<u>Range, pct</u>
S	0.01-50%

ATOMIC ABSORPTION SPECTROSCOPY (AA)

<u>Element</u>	<u>Range, ppm</u>
Cu	0.01-30%
Pb	0.01-30%
Zn	0.01-30%

X-RAY FLUORESCENCE SPECTROSCOPY (XRF)

<u>Element</u>	<u>Range, pct</u>
Al ₂ O ₃	0.01-100%
BaO	0.01-100%
CaO	0.01-100%
Cr ₂ O ₃	0.01-100%
Fe ₂ O ₃	0.01-100%
K ₂ O	0.01-100%
MgO	0.01-100%
Na ₂ O	0.01-100%
P ₂ O ₅	0.01-100%
SiO ₂	0.01-100%

INDUCTIVELY COUPLED ARGON PLASMA (ICP) SPECTROSCOPY

<u>Element</u>	<u>Range, ppm partial digestion</u>	<u>Element</u>	<u>Range, ppm partial digestion</u>
Ag	0.2-100	Mg	0.01-15
Al	0.01-15%	Mn	5-10,000
As	2-10,000	Mo	1-10,000
B	10-10,000	Na	0.01- 15%
Ba	10-10,000	Ni	1-10,000
Be	0.5-100	P	10-10,000
Bi	2-10,000	Pb	2-10,000
Ca	0.01-15%	S	0.01-10%
Cd	0.5-500	Sb	2-10,000
Co	1-10,000	Sc	1-10,000
Cr	1-10,000	Sr	1-10,000
Cu	1-10,000	Ti	0.01-10%
Fe	0.01-15%	Tl	10-10,000
Ga	10-10,000	U	10-10,000
Hg*	0.01-100	V	1-10,000
K	0.01-10%	W	10-10,000
La	10-10,000	Zn	2-10,000

* analyzed by cold vapor AA

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

Analytical and sample data are presented in tables 1 to 6. In addition to the analytical results, the following information may be listed in some of the tables: map number, sample number, sample site, sample type, sampling method, and sample size. The results are organized in the tables by map number, as presented on plate 1.

ABBREVIATIONS

Sample types:

PC	pan concentrate	SL	sluice concentrate
PL	placer	SS	stream sediment
R	rock chip	S	soil

Sampling method (Rock Chip):

CH	channel	Rep	representative chip
C	continuous chip	S	select
G	grab	SC	spaced chip
RC	random chip		

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

Sample sites:

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

RESULTS OF PLACER AND SLUICE CONCENTRATE SAMPLE EVALUATION

The following table presents the results of placer and sluice concentrate sample processing by Don Keill, of the BLM's Northern Field Office in Fairbanks. He dried and sieved the samples and removed the coarse gold. He weighed, measured, and described the gold in each sample and examined each with a microscope, noting other conspicuous metals and minerals. He separated each sample into magnetic and non-magnetic fractions. The results of geochemical analysis of the fractions are presented in table 2.

The "Au wt (g)" column presents the weight of gold after separation from each placer concentrate. As much gold as possible was removed manually from the samples. Any gold that was too fine to be removed manually is included in the analytical results from the geochemical analysis of material sent to a commercial laboratory and presented in table 2. No attempt was made to determine the fineness of the gold.

The map numbers in tables correspond to the numbered locations on plate 1.

Abbreviations:

wt	weight	oz	troy ounces
g	grams	\$	U.S. dollars
Vol	volume	@	at
bcy	bank cubic yards	--	not analyzed

Table 1. Results of placer and sluice concentrate sample evaluation

Map no.	Sample no.	Sample type	Location	Au wt (g)	Actual vol.	Converted vol. (bcy)	oz/cy	\$/cy @ \$350/oz	Remarks
21	10649	PL	Mineral Creek	0	0.1 cy	0.08	--	--	Sample taken from ancestral gravel bar about 15 feet from stream and approximately 580 feet from sample 10586.
27	10644	PL	W. Trib. of McCumber Creek	0.0243	0.1 cy	0.08	0.0078	\$2.73	Collected from 5 foot high cutbank on left limit.
29	10653	PL	McCumber Creek	0.0058	0.05 cy	0.04	0.0037	\$1.31	Sampled from pre-stripped surface.
30	10263	SC	McCumber Creek	0.011	--	--	--	--	Sluice cons from Jensen mining operation on McCumber below Morningstar Creek.
98	10728	PL	Rainy Creek	0.0886	0.1 cy		0.0285	\$9.97	Sluice concentrate used.
99	10729	SC	Lower Rainy Creek	0.2074	2 lbs.	--	--	--	Sluice cons from operation 2 miles above mouth Rainy Creek.
172	10811	SC	Chistochina Glacier	0.5559	NA	--	--	--	Pyrite rich sluice concentrates from 2002 production.
177	10250	PL	Miller Gulch	0.0933	3 16" pans	0.018	0.1579	\$55.26	
178	10258	PL	Miller Gulch	0.8721	0.1 cy	0.08	0.2804	\$98.14	High benches E side of Miller Gulch .6 mi above mouth.
186	10259	PL	Lower Chisna River	0.0112	0.1 cy	0.08	0.0036	\$1.26	Collected from edge of modern channel just downstream from dozer trail crossing.
190	10254	SC	Lower Chisna River	0	--	--	--	--	Sluice cons from placer mine 0.9 miles upstream of the Chistochina River.

**ANALYTICAL RESULTS FOR PLACER, SLUICE
CONCENTRATE, PAN CONCENTRATE, STREAM SEDIMENT,
AND SOIL SAMPLES**

The magnetic versus nonmagnetic fractions of each sample are identified in table 2. The magnetic separate of each sample has been given a new sample number to facilitate incorporation into the BLM's analytical database. The non-magnetic fraction retains the original sample number.

Table 2. Analytical results for placer, sluice concentrate, pan concentrate, and soil samples

Map no.	Sample no.	Sample type	Mag/ non-mag	Ag ppm	Al pct	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca pct	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe pct	Ga ppm	Hg ppm	K pct	La ppm	Mg pct	Mn ppm
1	10274	PC		0.5	0.86	176	0.096	<10	470	<0.5	2	0.28	0.7	10	49	37	2.24	<10	40.3	0.31	10	0.55	356
20	10645	PC		<0.2	0.49	13	1.13	<10	80	<0.5	<2	0.32	<0.5	7	54	11	2.21	<10	0.42	0.05	10	0.24	329
21	10264	PC		0.3	0.41	36	17.2	<10	140	0.7	<2	0.13	0.6	16	53	15	4.90	<10	1.81	0.13	20	0.13	774
21	10586	PC		<0.2	0.37	24	1.79	<10	140	0.7	<2	0.17	0.5	14	56	15	4.50	<10	0.04	0.11	20	0.1	667
21	10649	PL		0.5	0.35	23	5.83	<10	150	0.7	2	0.44	<0.5	12	11	14	4.38	<10	0.1	0.07	60	0.11	691
22	10587	PC		<0.2	0.66	18	0.239	<10	90	<0.5	<2	0.35	<0.5	12	95	26	2.49	<10	0.02	0.11	20	0.32	502
22	10646	PC		<0.2	0.72	7	0.056	<10	210	<0.5	<2	0.23	<0.5	10	53	16	2.95	<10	0.06	0.22	20	0.29	471
23	10647	PC		<0.2	0.72	5	0.022	<10	280	<0.5	<2	0.29	0.5	8	48	13	1.25	<10	0.11	0.05	10	0.42	135
24	10272	PC		77.4	0.91	41	11.25	<10	40	<0.5	<2	0.56	<0.5	10	50	20	3.57	<10	<0.01	0.05	20	0.19	920
26	10643	PC		<0.2	1.09	22	--	<10	30	<0.5	<2	0.64	0.5	10	62	19	3.83	<10	3.94	0.05	20	0.22	1085
27	10279	PL	mag	0.2	0.43	12	--	<10	20	<0.5	2	0.28	<0.5	87	946	35	>15	10	0.04	0.02	<10	0.34	895
27	10644	PL	non-mag	<0.2	0.65	14	3.6	<10	50	<0.5	<2	0.58	0.8	9	33	19	3.03	<10	0.08	0.03	20	0.32	471
27	10577	PC		0.3	1.01	10	29.3	<10	70	<0.5	<2	0.42	<0.5	9	100	12	3.86	<10	<0.01	0.11	20	0.37	925
27	10642	PC		<0.2	0.75	12	0.124	<10	50	<0.5	<2	0.23	<0.5	8	64	13	2.34	<10	0.02	0.08	10	0.31	646
27	10916	PC		<0.2	0.19	19	2.53	<10	80	<0.5	<2	0.2	<0.5	17	41	35	5.25	<10	0.16	0.06	20	0.16	754
29	10261	PC		<0.2	0.77	4	0.01	<10	40	<0.5	<2	0.3	<0.5	8	58	14	2.41	<10	0.02	0.08	10	0.27	545
29	10280	PL	mag	4.8	0.26	7	--	<10	20	1.2	<2	0.23	<0.5	93	327	70	>15	10	0.32	0.02	70	0.22	662
29	10653	PL	non-mag	<0.2	0.42	21	13.65	<10	30	<0.5	<2	0.51	<0.5	10	8	20	2.09	<10	20.8	0.04	20	0.21	407
30	10278	PL	mag	1.1	0.47	55	--	<10	50	<0.5	3	0.25	1.5	50	370	180	>15	10	0.19	0.05	10	0.28	1440
30	10263	PL	non-mag	10.9	0.51	66	8.03	<10	40	<0.5	2	0.47	0.9	10	12	28	2.51	<10	0.66	0.06	30	0.26	488
31	10641	PC		<0.2	0.77	3	0.001	<10	40	<0.5	<2	0.41	<0.5	6	82	12	2.82	<10	0.01	0.07	10	0.22	751
32	10262	PC		0.3	1.02	18	10	<10	50	<0.5	3	0.47	<0.5	10	51	22	3.51	<10	<0.01	0.08	20	0.32	819
33	10651	PC		<0.2	0.82	98	0.551	<10	420	0.6	5	0.62	<0.5	13	104	44	3.53	<10	1.63	0.21	20	0.61	367
34	10652	PC		<0.2	0.61	10	0.012	<10	50	<0.5	2	0.16	<0.5	7	48	8	1.76	<10	0.04	0.08	10	0.27	425
35	10648	PC		0.4	0.76	53	0.12	<10	130	<0.5	<2	1.02	0.7	29	63	62	4.81	<10	0.02	0.11	30	0.45	797
39	10650	PC		<0.2	0.91	156	1.455	<10	400	0.7	7	0.8	<0.5	13	131	47	3.99	10	<0.01	0.25	30	0.64	440
40	10273	PC		3.8	0.22	187	0.065	<10	40	<0.5	<2	0.72	1.1	51	24	90	9.36	<10	0.22	0.07	10	0.42	541
46	10731	SS		<0.2	2.94	7	0.01	<10	60	<0.5	<2	1.44	<0.5	23	77	214	4.50	10	0.04	0.03	<10	1.46	597
47	10732	SS		<0.2	3.05	7	0.007	<10	80	<0.5	<2	0.79	<0.5	22	76	144	4.17	10	0.05	0.05	10	1.3	555
48	10564	PC		<0.2	2.66	2	0.472	<10	60	<0.5	<2	2.69	<0.5	15	142	54	5.16	10	0.38	0.12	20	1.04	882
48	10634	PC		<0.2	2.05	2	0.007	<10	40	<0.5	<2	1.71	<0.5	16	70	47	3.82	10	0.04	0.07	10	1.04	529
98	10282	PL	mag	0.2	0.23	3	10	<10	10	<0.5	<2	0.22	<0.5	108	578	87	>15	<10	0.09	0.01	<10	1.28	602
98	10728	PL	non-mag	1.1	0.6	24	--	<10	20	<0.5	<2	0.71	0.6	49	158	38	8.93	<10	0.66	0.02	10	4.55	537
99	10281	PL	mag	1.1	0.19	8	0.091	<10	20	<0.5	3	0.16	<0.5	277	592	180	>15	<10	0.06	0.01	<10	0.64	622
99	10729	PL	non-mag	6.8	0.97	17	7.25	<10	70	<0.5	4	0.71	<0.5	41	161	95	6.90	<10	0.15	0.03	10	4.36	538
99	10730	SS		<0.2	2.04	5	11.75	<10	60	<0.5	<2	1.26	<0.5	31	269	51	5.53	<10	0.11	0.11	10	3.66	577
101	10566	PC		<0.2	1.98	5	0.012	10	40	<0.5	<2	1.27	<0.5	49	279	91	6.43	<10	0.14	0.07	10	6.08	640
101	10636	PC		<0.2	2	3	0.036	10	40	<0.5	<2	1.05	<0.5	38	250	78	4.71	<10	0.14	0.06	<10	4.69	549
102	10565	PC		<0.2	1.58	6	0.15	<10	50	<0.5	<2	1.23	<0.5	54	278	60	6.28	<10	0.09	0.07	10	6.77	758
102	10635	PC		0.3	1.34	<2	0.008	<10	50	<0.5	<2	1.04	<0.5	56	258	70	7.44	<10	0.42	0.06	10	6.8	789
104	10087	S		1.1	4.84	8	0.044	10	80	<0.5	2	1.85	<0.5	196	666	1245	7.16	10	0.01	0.08	<10	5.97	1575
104	10088	S		<0.2	3.27	31	0.013	10	20	<0.5	<2	1.18	<0.5	68	68	394	4.57	10	0.01	0.01	<10	5.09	590
104	10089	S		<0.2	3.13	2	0.003	10	30	<0.5	<2	1	<0.5	58	640	345	3.69	10	0.01	0.02	<10	6.18	592
104	10091	S		0.2	4.7	4	0.017	10	30	<0.5	<2	0.52	<0.5	106	769	420	5.85	10	<0.01	0.06	<10	7.53	701
104	10092	S		1.1	4.63	5	0.136	10	60	<0.5	<2	1.2	<0.5	239	651	1680	8.07	10	0.01	0.03	<10	7.83	940
104	10093	S		1	4.89	2	0.057	10	40	<0.5	2	2.38	<0.5	138	732	1390	6.60	10	<0.01	0.08	<10	6.61	873
106	10567	PC		<0.2	2.4	5	0.01	<10	200	<0.5	<2	1.13	<0.5	20	44	165	3.94	10	0.25	0.07	10	1.83	696

Table 2. Analytical results for placer, sluice concentrate, pan concentrate, and soil samples

Map no.	Sample no.	Sample type	Mag/ non-mag	Mo ppm	Na pct	Ni ppm	P ppm	Pb ppm	Pd ppm	Pt ppm	S pct	Sb ppm	Sc ppm	Sr ppm	Ti pct	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	10274	PC		8	0.02	22	620	27	0.001	<0.005	0.11	3	3	25	0.1	<10	<10	48	60	88
20	10645	PC		<1	0.01	18	460	9	0.001	0.007	0.01	<2	2	11	0.09	<10	<10	39	<10	38
21	10264	PC		1	0.01	28	420	6	0.001	<0.005	0.09	<2	4	22	0.02	<10	<10	23	10	68
21	10586	PC		<1	<0.01	25	490	7	0.001	0.008	0.04	2	4	21	0.03	<10	<10	21	<10	67
21	10649	PL		1	<0.01	24	1260	8	0.007	0.385	0.05	4	3	30	0.04	<10	<10	24	<10	70
22	10587	PC		1	0.01	28	660	14	0.001	0.138	0.07	<2	2	19	0.03	<10	<10	18	<10	65
22	10646	PC		<1	0.01	18	630	13	<0.001	<0.005	0.01	<2	5	12	0.04	<10	<10	33	<10	57
23	10647	PC		<1	<0.01	32	420	4	0.002	0.025	<0.01	<2	2	14	0.06	<10	<10	31	<10	46
24	10272	PC		<1	<0.01	21	820	37	<0.001	<0.005	0.32	<2	8	12	0.06	<10	<10	13	<10	34
26	10643	PC		<1	<0.01	20	770	216	--	--	0.23	2	9	12	0.07	<10	<10	14	<10	34
27	10279	PL	mag	8	<0.01	612	330	<2	--	--	0.01	<2	4	9	0.58	<10	<10	2070	10	105
27	10644	PL	non-mag	1	<0.01	34	1660	12	<0.001	<0.005	0.04	2	3	22	0.07	<10	<10	67	10	66
27	10577	PC		<1	0.01	28	490	8	0.001	0.005	0.01	<2	4	15	0.06	<10	<10	25	<10	63
27	10642	PC		<1	0.01	19	420	9	0.001	0.008	<0.01	<2	2	9	0.03	<10	<10	14	<10	55
27	10916	PC		<1	<0.01	39	520	35	0.001	0.015	0.21	2	3	14	0.01	<10	<10	18	<10	89
29	10261	PC		<1	<0.01	15	410	7	<0.001	0.008	0.07	<2	5	9	0.03	<10	<10	9	<10	36
29	10280	PL	mag	16	<0.01	1710	800	<2	--	--	0.07	<2	2	12	0.39	10	<10	1125	10	150
29	10653	PL	non-mag	1	<0.01	23	1700	15	<0.001	0.562	0.13	<2	3	19	0.03	<10	<10	13	<10	39
30	10278	PL	mag	30	<0.01	229	370	84	--	--	0.06	2	3	12	0.24	10	<10	753	<10	88
30	10263	PL	non-mag	1	<0.01	22	1420	258	<0.001	<0.005	0.05	9	3	17	0.04	<10	<10	19	10	104
31	10641	PC		<1	<0.01	14	440	9	0.002	<0.005	0.02	<2	6	10	0.05	<10	<10	11	<10	35
32	10262	PC		<1	<0.01	23	660	136	<0.001	0.014	0.31	<2	7	12	0.04	<10	<10	10	<10	44
33	10651	PC		2	0.02	33	1060	91	0.001	<0.005	0.16	8	4	29	0.08	<10	<10	81	10	54
34	10652	PC		<1	0.01	16	340	7	0.001	<0.005	<0.01	<2	2	7	0.03	<10	<10	11	<10	42
35	10648	PC		1	0.01	63	2800	37	0.006	0.005	0.84	<2	2	45	0.03	<10	<10	19	<10	106
39	10650	PC		2	0.02	32	1140	21	0.001	0.007	0.2	7	4	34	0.09	<10	<10	96	10	57
40	10273	PC		1	0.01	111	690	475	0.002	<0.005	4.51	154	2	29	<0.01	<10	<10	7	<10	144
46	10731	SS		1	0.02	49	680	6	0.012	0.009	0.02	<2	7	71	0.58	<10	<10	159	<10	67
47	10732	SS		<1	0.02	49	1070	4	0.01	0.01	0.05	<2	7	42	0.31	<10	<10	132	<10	80
48	10564	PC		<1	0.16	35	860	5	0.005	0.01	<0.01	<2	9	104	0.7	<10	<10	210	<10	48
48	10634	PC		<1	0.07	36	640	<2	0.006	0.008	<0.01	<2	5	57	0.44	<10	<10	150	<10	47
98	10282	PL	mag	8	0.01	1720	440	<2	0.056	0.059	0.01	<2	2	9	0.17	10	<10	1615	<10	59
98	10728	PL	non-mag	1	0.01	485	1260	7	--	--	0.03	2	3	25	0.13	<10	<10	399	20	32
99	10281	PL	mag	11	0.01	6990	390	<2	0.128	0.043	0.02	<2	2	7	0.18	10	<10	2060	<10	80
99	10729	PL	non-mag	2	0.02	472	950	51	0.007	<0.005	0.08	2	4	28	0.12	<10	<10	255	40	47
99	10730	SS		<1	0.1	326	470	<2	0.008	0.011	0.02	<2	5	52	0.26	<10	<10	160	10	42
101	10566	PC		<1	0.08	602	370	3	0.008	0.011	0.02	<2	5	55	0.21	<10	<10	75	<10	47
101	10636	PC		<1	0.07	442	370	<2	0.006	0.01	0.02	<2	5	43	0.18	<10	<10	65	<10	46
102	10565	PC		<1	0.07	697	390	<2	0.012	0.015	0.04	<2	5	54	0.25	<10	<10	104	<10	41
102	10635	PC		<1	0.05	745	310	<2	0.013	0.064	0.04	<2	4	45	0.26	<10	<10	132	<10	40
104	10087	S		1	0.04	2550	420	5	0.176	0.109	0.11	<2	10	50	0.11	<10	<10	85	<10	53
104	10088	S		1	0.02	567	930	21	0.035	0.011	0.07	<2	6	116	0.09	<10	<10	67	<10	73
104	10089	S		<1	0.02	497	520	3	0.081	0.061	0.05	<2	15	35	0.14	<10	<10	92	<10	30
104	10091	S		<1	0.02	997	300	3	0.069	0.057	0.04	<2	12	12	0.14	<10	<10	108	<10	43
104	10092	S		<1	0.02	1855	400	3	0.101	0.03	0.18	<2	7	20	0.11	10	<10	110	<10	41
104	10093	S		<1	0.03	1735	360	5	0.174	0.37	0.32	<2	9	58	0.1	<10	<10	82	<10	51
106	10567	PC		<1	0.05	23	450	13	0.004	<0.005	0.23	<2	8	65	0.28	<10	<10	123	<10	114

Table 2. Analytical results for placer, sluice concentrate, pan concentrate, and soil samples

Map no.	Sample no.	Sample type	Mag/non-mag	Ag ppm	Al pct	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca pct	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe pct	Ga ppm	Hg ppm	K pct	La ppm	Mg pct	Mn ppm
119	10628	PC		<0.2	2.91	11	0.008	<10	1090	0.7	<2	2.49	<0.5	21	46	84	4.41	<10	0.03	0.3	<10	1.8	685
120	10626	PC		<0.2	2.81	8	0.039	<10	1530	0.7	<2	1.77	<0.5	20	41	82	4.56	<10	0.02	0.23	<10	1.98	705
120	10627	PC		<0.2	2.61	20	0.01	<10	340	0.7	<2	2.57	<0.5	24	39	95	4.78	<10	0.05	0.23	<10	1.78	676
123	10554	PC		<0.2	3.59	7	0.139	10	190	<0.5	<2	2.56	<0.5	23	287	41	11.65	10	0.09	0.28	10	1.02	814
124	10553	PC		<0.2	5.33	4	0.029	10	630	<0.5	2	3.49	<0.5	21	143	38	8.68	10	0.09	0.43	10	1.45	789
131	10568	PC		<0.2	1.63	6	0.005	<10	170	<0.5	<2	1.86	<0.5	11	62	29	3.25	<10	0.12	0.11	10	1.04	456
132	10255	PC		<0.2	1.68	10	5.48	<10	290	<0.5	<2	1.74	<0.5	17	96	40	4.70	10	1.94	0.11	10	1.09	414
135	10257	PC		<0.2	1.41	3	0.049	10	420	<0.5	<2	1.32	<0.5	23	87	120	6.80	10	0.16	0.07	<10	0.96	353
136	10256	PC		<0.2	1.36	12	0.008	10	160	<0.5	<2	1.64	<0.5	37	120	190	11.35	10	0.42	0.09	10	0.74	370
151	10712	SS		<0.2	0.79	18	0.004	20	60	<0.5	<2	0.89	0.8	29	166	56	9.50	<10	0.11	0.09	<10	0.77	376
152	10713	SS		<0.2	0.46	37	0.003	40	40	<0.5	<2	0.77	1.2	30	195	53	9.82	<10	3.89	0.05	<10	0.78	229
153	10714	SS		<0.2	0.49	26	0.003	30	40	<0.5	<2	0.74	0.8	34	198	36	11.15	<10	0.22	0.05	<10	0.77	235
154	10715	SS		<0.2	0.47	73	0.004	30	50	<0.5	<2	0.76	1	37	225	46	12.00	<10	0.13	0.05	<10	0.71	231
155	10571	PC		<0.2	0.83	3	0.073	<10	40	<0.5	7	0.85	<0.5	65	455	39	>15	10	1.07	0.05	10	0.41	705
156	10570	PC		<0.2	1.18	45	0.008	<10	140	<0.5	<2	1.5	<0.5	48	181	85	>15	10	0.21	0.11	<10	1.04	544
158	10638	PC		<0.2	0.83	152	0.154	<10	100	<0.5	3	0.93	<0.5	74	248	68	>15	10	0.39	0.08	<10	0.75	495
166	10569	PC		1.1	1.44	94	0.018	10	30	<0.5	<2	2.96	2.9	25	91	155	6.07	10	0.64	0.32	10	1.2	1070
166	10637	PC		3.3	1.22	368	0.18	<10	10	<0.5	<2	0.66	7	104	101	378	>15	<10	0.56	0.29	10	0.75	577
172	10283	SL	mag	0.5	0.23	322	--	<10	30	<0.5	12	0.21	1	73	910	100	>15	<10	0.39	0.01	<10	0.21	421
172	10811	SL	non-mag	253	0.29	>10000	>10.0	<10	<10	<0.5	85	0.37	3.8	404	38	814	>15	<10	3.12	0.02	<10	0.25	138
177	10275	PL	mag	0.3	0.63	10	--	<10	40	<0.5	<2	0.23	<0.5	99	2860	40	>15	10	0.06	0.01	<10	0.49	1850
177	10250	PL	non-mag	1	1.46	34	2.96	<10	50	<0.5	<2	0.58	<0.5	40	369	80	10.75	10	0.16	0.07	10	0.96	984
178	10276	PL	mag	0.3	0.64	18	0.194	10	60	<0.5	3	0.36	1.8	91	2080	45	>15	10	0.08	0.02	<10	0.58	1555
178	10258	PL	non-mag	0.3	1.4	22	10	110	60	<0.5	<2	0.86	<0.5	33	144	74	6.99	10	44	0.07	20	1.08	1145
182	10640	PC		<0.2	2.12	8	1.79	10	170	<0.5	<2	1.02	<0.5	25	172	74	9.26	10	0.16	0.26	10	1.48	681
184	10572	PC		0.6	0.78	<2	9.72	<10	410	<0.5	7	0.7	<0.5	94	1210	54	>15	10	3.27	0.05	20	0.49	1470
184	10639	PC		<0.2	1.78	11	0.554	10	270	<0.5	<2	1.17	<0.5	44	449	66	>15	10	0.34	0.16	20	1.06	1090
185	10245	PC		<0.2	2.36	8	0.067	<10	110	<0.5	2	1.23	<0.5	21	197	93	9.12	10	49.1	0.28	10	1.31	832
186	10251	PC		<0.2	1.45	11	5.34	<10	250	<0.5	2	0.81	0.5	38	353	57	14.75	10	5.38	0.08	10	0.89	813
186	10277	PL	mag	0.7	0.44	<2	2.19	<10	60	<0.5	<2	0.3	0.8	84	1055	28	>15	10	21.6	0.02	<10	0.35	917
186	10259	PL	non-mag	0.3	1.19	14	14.5	<10	140	<0.5	<2	0.61	0.8	28	129	50	8.96	10	47.2	0.06	10	0.86	750
187	10252	PC		0.3	1.99	3	0.035	<10	80	<0.5	<2	0.67	<0.5	15	71	60	4.35	10	0.02	0.08	10	1.32	605
187	10253	PC		0.3	2.23	5	0.002	<10	160	<0.5	<2	0.8	<0.5	16	70	69	4.22	10	0.03	0.07	10	1.74	661
188	10260	PC		<0.2	1.57	7	0.071	<10	90	<0.5	<2	0.69	<0.5	16	74	44	4.56	10	1.06	0.07	10	1.01	569
189	10248	PC		0.4	1.52	3	114	<10	110	<0.5	<2	1.1	<0.5	30	164	39	11.05	10	0.45	0.11	10	0.88	543
190	10254	PL		0.6	0.47	<2	0.271	<10	30	<0.5	2	0.37	<0.5	93	1085	37	>15	10	0.06	0.02	<10	0.34	1130
191	10247	PC		<0.2	1.52	9	0.012	<10	130	<0.5	<2	1.21	<0.5	19	104	38	6.30	10	0.17	0.09	10	0.85	913

Table 2. Analytical results for placer, sluice concentrate, pan concentrate, and soil samples

Map no.	Sample no.	Sample type	Mag/non-mag	Mo ppm	Na pct	Ni ppm	P ppm	Pb ppm	Pd ppm	Pt ppm	S pct	Sb ppm	Sc ppm	Sr ppm	Ti pct	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
119	10628	PC		1	0.11	21	700	22	0.004	0.008	0.35	<2	10	94	0.2	<10	<10	106	<10	75
120	10626	PC		1	0.06	18	770	12	0.002	0.01	0.31	<2	9	76	0.18	<10	<10	97	<10	74
120	10627	PC		<1	0.09	20	680	82	0.004	0.007	0.82	<2	9	89	0.19	<10	<10	103	<10	83
123	10554	PC		2	0.32	48	600	3	0.003	<0.005	0.01	<2	11	148	0.48	<10	<10	578	<10	46
124	10553	PC		1	0.55	51	630	6	0.002	<0.005	0.01	<2	13	201	0.48	<10	<10	342	<10	50
131	10568	PC		<1	0.13	30	610	3	0.003	0.005	0.02	<2	7	58	0.13	<10	<10	76	<10	46
132	10255	PC		<1	0.07	68	700	2	0.004	0.009	0.08	<2	6	50	0.15	<10	<10	186	<10	42
135	10257	PC		<1	0.06	51	550	3	0.006	0.007	0.53	<2	4	55	0.12	<10	<10	316	<10	36
136	10256	PC		<1	0.06	48	730	9	0.011	0.01	1.47	<2	5	64	0.13	<10	<10	556	<10	45
151	10712	SS		<1	0.03	50	1480	6	0.017	0.013	0.03	<2	5	76	0.11	<10	<10	400	<10	28
152	10713	SS		<1	0.02	58	960	4	0.017	0.1	0.05	<2	4	39	0.11	<10	<10	386	<10	18
153	10714	SS		<1	0.02	56	880	5	0.015	0.037	0.05	<2	3	37	0.11	<10	<10	449	<10	19
154	10715	SS		1	0.02	62	1000	7	0.019	0.179	0.07	<2	4	44	0.11	<10	<10	495	<10	27
155	10571	PC		1	0.04	122	600	6	0.013	0.062	0.03	<2	6	42	0.35	10	<10	1920	10	38
156	10570	PC		1	0.09	81	530	3	0.012	0.049	0.59	<2	9	57	0.29	10	<10	673	10	60
158	10638	PC		1	0.06	111	360	7	0.017	0.093	0.63	<2	7	37	0.32	<10	<10	1215	10	47
166	10569	PC		6	0.02	105	1140	22	0.006	0.005	2.77	4	5	128	0.03	<10	<10	51	<10	255
166	10637	PC		7	0.03	310	730	110	0.01	0.013	10	13	5	49	0.06	<10	<10	47	10	743
172	10283	SL	mag	13	<0.01	249	260	106	--	--	0.97	<2	3	10	0.19	<10	<10	1635	30	53
172	10811	SL	non-mag	8	<0.01	310	350	4840	2.08	2.88	10	28	2	19	0.06	<10	30	73	1330	195
177	10275	PL	mag	8	<0.01	1000	140	<2	--	--	<0.01	6	10	13	0.44	10	<10	1460	<10	54
177	10250	PL	non-mag	3	0.01	180	900	14	0.007	<0.005	0.05	3	10	39	0.21	<10	<10	379	10	66
178	10276	PL	mag	6	<0.01	754	190	3	0.01	0.008	<0.01	6	12	18	0.43	<10	<10	1375	<10	56
178	10258	PL	non-mag	2	0.01	116	1280	13	0.008	0.093	0.03	4	9	50	0.22	<10	<10	229	20	57
182	10640	PC		<1	0.06	66	890	4	0.009	0.061	0.14	<2	10	58	0.19	<10	<10	349	<10	83
184	10572	PC		3	0.03	269	370	3	0.024	0.132	0.28	<2	7	49	0.51	20	<10	1915	10	70
184	10639	PC		<1	0.06	130	670	8	0.01	0.01	0.13	<2	10	84	0.33	<10	<10	617	<10	89
185	10245	PC		2	0.13	54	410	11	0.003	0.005	0.82	<2	8	88	0.44	<10	<10	336	20	102
186	10251	PC		2	0.04	106	560	3	0.01	0.012	0.08	2	5	42	0.28	<10	<10	671	<10	61
186	10277	PL	mag	7	<0.01	267	300	<2	0.011	0.013	0.02	<2	5	12	0.42	<10	<10	2090	10	63
186	10259	PL	non-mag	2	0.01	69	720	13	0.008	0.108	0.29	2	6	36	0.18	<10	<10	337	20	67
187	10252	PC		<1	0.04	42	500	11	0.003	0.006	0.01	2	5	23	0.18	<10	<10	144	<10	74
187	10253	PC		<1	0.07	65	360	8	0.003	0.006	0.02	<2	6	23	0.13	<10	<10	114	<10	89
188	10260	PC		<1	0.04	41	550	8	0.004	0.007	0.01	3	4	28	0.18	<10	<10	184	<10	60
189	10248	PC		1	0.08	58	530	9	0.012	0.454	0.01	<2	6	51	0.36	<10	<10	515	<10	50
190	10254	PL		11	<0.01	265	300	<2	0.013	0.177	<0.01	<2	5	10	0.75	10	<10	2880	10	102
191	10247	PC		1	0.1	35	540	<2	0.005	0.006	0.01	<2	5	56	0.29	<10	<10	265	<10	43

**ANALYTICAL RESULTS FOR ROCK CHIP SAMPLES —
PARTIAL DIGESTION**

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	Site	Method	Size (ft)	Int.	Ag ppm	Al pct	As ppm	Au ppm	B ppm	Be ppm	Ba ppm	Bi ppm	Ca pct	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe pct	Ga ppm	Hg ppm
2	10962	OC	SC	8.5	0.5	<0.2	0.56	15	0.034	<10	<0.5	30	7	5.67	<0.5	338	21	290	>15	<10	0.05
2	10963	OC	SC	10	0.5	<0.2	0.56	3	0.003	<10	<0.5	50	5	4.45	<0.5	177	20	218	>15	<10	0.01
2	10964	OC	S			0.4	1.02	9	0.011	<10	<0.5	10	12	0.32	<0.5	520	25	1065	>15	<10	<0.01
2	10972	OC	C	0.5		0.5	1.34	<2	0.066	<10	<0.5	<10	16	1.72	<0.5	148	18	2110	>15	<10	0.01
2	10973	OC	S			0.5	1.26	275	0.302	<10	<0.5	<10	30	5.62	<0.5	464	30	130	>15	<10	0.03
2	10974	OC	C	18		0.9	0.43	83	0.074	<10	<0.5	<10	8	7.07	<0.5	163	24	1035	>15	<10	0.05
3	10740	OC	C	10		1.1	1.13	124	0.113	<10	<0.5	10	3	0.94	<0.5	77	28	819	>15	20	0.03
3	10918	OC	C	3		<0.2	3.46	22	0.04	<10	<0.5	20	13	2.88	<0.5	46	71	265	7.88	10	0.02
4	10735	OC	C	3		<0.2	1.04	<2	0.012	<10	0.9	20	3	2.96	<0.5	24	25	737	>15	10	0.01
4	10736	OC	C	3		7.1	0.69	7	0.041	<10	<0.5	10	38	3.69	4.1	52	9	586	>15	10	0.2
5	10738	OC	S	1		0.4	0.73	74	0.112	<10	<0.5	10	<2	1.93	<0.5	651	14	537	>15	<10	0.42
5	10739	OC	S	1		<0.2	1.11	29	0.509	<10	<0.5	40	38	0.55	<0.5	146	25	430	>15	10	0.03
6	10580	OC	Rep			<0.2	0.48	14	0.021	<10	<0.5	30	9	2.77	<0.5	7	22	536	14.45	<10	0.01
6	10581	OC	Rep	1		<0.2	0.69	5	0.006	<10	<0.5	20	23	3.52	<0.5	5	22	559	>15	<10	0.01
6	10582	OC	Rep	0.5		<0.2	1.3	2	0.118	<10	<0.5	10	<2	0.93	<0.5	22	21	1100	>15	<10	0.02
6	10583	OC	Rep	0.5		<0.2	1.14	<2	0.014	<10	0.9	20	7	3.66	<0.5	6	20	771	>15	<10	<0.01
6	10584	OC	Rep	0.5		<0.2	0.73	<2	0.005	<10	<0.5	30	4	1.28	<0.5	15	19	190	11.05	<10	0.01
6	10585	OC	Rep	0.7		<0.2	0.59	<2	0.035	<10	1.7	20	9	7.19	<0.5	16	12	396	>15	<10	0.01
6	10883	OC	SC	16.5	0.5	<0.2	0.95	3	0.03	<10	<0.5	20	15	2.66	<0.5	13	23	526	>15	<10	0.01
6	10884	OC	SC	17.5	0.5	<0.2	1.34	4	0.012	<10	<0.5	30	12	2.8	<0.5	4	22	245	>15	<10	0.01
6	10885	OC	C	6.2		0.5	1.3	<2	0.016	<10	<0.5	20	44	0.06	<0.5	68	22	2070	>15	<10	0.01
6	10886	OC	SC	30	1	<0.2	0.56	4	0.002	<10	<0.5	120	12	2.43	<0.5	3	35	90	8.49	<10	0.01
6	10887	OC	Rep			<0.2	0.09	<2	<0.001	<10	<0.5	30	7	1.32	<0.5	5	106	66	2.48	<10	0.01
6	10888	OC	S			0.7	0.41	<2	0.244	<10	<0.5	<10	87	1.9	<0.5	39	17	4440	>15	<10	0.02
6	10889	OC	SC	20	0.5	<0.2	1.04	<2	0.025	<10	0.6	20	15	7.84	<0.5	3	17	286	>15	<10	0.04
6	10890	OC	C	4.9		0.3	1.51	2	0.077	<10	<0.5	<10	36	0.45	<0.5	15	14	2750	>15	<10	0.04
6	10892	OC	SC	10	0.5	<0.2	0.99	<2	0.038	<10	0.6	20	15	4.07	<0.5	6	18	373	>15	<10	0.01
6	10893	OC	SC	27	1	<0.2	0.36	<2	1.19	<10	0.5	20	12	2.15	0.6	6	4	502	>15	<10	0.02
6	10894	OC	Rep			1.5	1.32	9	0.014	<10	<0.5	20	30	2.61	<0.5	180	12	1645	>15	<10	0.03
6	10895	OC	C	4.7		<0.2	0.78	<2	0.009	<10	0.5	10	14	8.03	<0.5	42	28	662	>15	<10	0.01
6	10896	OC	S			0.6	0.74	<2	0.046	<10	<0.5	<10	28	0.53	<0.5	231	10	2770	>15	<10	0.01
6	10897	OC	SC	10.5	0.5	0.4	0.77	8	0.027	<10	<0.5	<10	33	0.4	<0.5	97	25	1570	>15	<10	0.01
7	10967	OC	SC	9.5	0.5	<0.2	0.45	3	0.018	<10	<0.5	80	8	1.34	<0.5	52	10	245	9.29	<10	0.01
7	10968	OC	C	2.9		<0.2	2.01	<2	0.022	<10	0.7	10	10	1.89	<0.5	76	36	898	>15	10	0.01
7	10969	OC	SC	9	0.5	<0.2	0.61	2	0.106	<10	<0.5	20	26	1.14	0.7	45	20	697	13.95	<10	0.01
7	10970	OC	SC	6.25	0.25	<0.2	0.34	4	0.029	<10	<0.5	60	9	4.02	<0.5	59	10	144	10.10	<10	0.01
7	10971	RC	S			0.5	0.92	<2	0.016	<10	<0.5	<10	45	0.27	<0.5	83	11	1185	>15	<10	0.01
8	10957	OC	C	0.75		<0.2	0.07	3	0.002	<10	<0.5	10	<2	1.42	<0.5	4	81	27	1.42	<10	<0.01
9	10958	OC	C	2.9		<0.2	2.84	5	0.056	<10	<0.5	20	54	3.24	<0.5	28	54	216	12.75	10	0.01
9	10959	OC	S			0.2	2.94	<2	0.05	<10	<0.5	10	61	0.73	<0.5	47	44	866	>15	<10	0.02
9	10960	OC	G			<0.2	1.63	4	0.011	<10	<0.5	10	26	0.37	<0.5	89	47	1020	>15	10	0.02
9	10961	OC	C	1		<0.2	0.63	<2	0.003	<10	<0.5	10	15	0.23	0.6	15	50	652	>15	<10	0.01
10	10929	RC	Rep			0.9	0.3	1380	0.423	<10	<0.5	<10	53	0.07	<0.5	3	102	37	3.47	<10	0.01
10	10965	RC	S			<0.2	0.63	275	0.005	<10	<0.5	70	5	0.03	<0.5	6	80	100	2.80	<10	0.01
10	10966	OC	G			0.5	1.13	88	0.146	<10	<0.5	30	102	0.02	<0.5	16	89	95	4.69	<10	0.03
11	10919	OC	C	3		0.6	0.2	12	0.004	<10	<0.5	30	<2	0.03	<0.5	3	114	15	6.44	<10	0.07
11	10920	OC	S			1.7	0.12	30	0.012	<10	<0.5	<10	4	0.02	0.6	<1	67	16	>15	<10	0.11

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	K pct	La ppm	Mg pct	Mn ppm	Mo ppm	Na pct	Ni ppm	P ppm	Pb ppm	Pd ppm	Pt ppm	S pct	Sb ppm	Sc ppm	Sr ppm	Ti pct	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
2	10962	0.05	10	0.12	2760	2	<0.01	7	230	<2	0.001	<0.005	5.96	<2	1	112	0.04	<10	<10	5	<10	15
2	10963	0.15	10	0.12	2550	<1	0.01	5	250	<2	0.001	<0.005	3.89	<2	<1	37	0.07	<10	<10	5	<10	12
2	10964	0.01	10	0.23	298	2	<0.01	25	310	6	<0.001	<0.005	>10	<2	1	25	0.04	<10	<10	5	<10	8
2	10972	0.01	10	0.59	1280	4	<0.01	42	490	<2	0.001	0.009	>10	<2	3	37	0.01	10	<10	9	<10	18
2	10973	<0.01	10	1.34	5490	2	<0.01	36	320	44	<0.001	0.008	>10	8	3	94	0.01	10	<10	7	<10	23
2	10974	<0.01	10	1.24	4210	3	<0.01	14	250	64	<0.001	<0.005	>10	2	1	108	<0.01	10	<10	3	<10	170
3	10740	0.01	<10	0.26	596	1	<0.01	5	310	19	0.001	<0.005	>10	4	<1	20	0.01	<10	<10	12	<10	21
3	10918	0.01	10	3.15	1195	3	<0.01	36	920	3	0.002	<0.005	1.83	<2	5	43	<0.01	<10	<10	80	<10	49
4	10735	0.22	10	0.36	3020	1	0.01	7	380	10	<0.001	<0.005	5.08	<2	1	90	0.16	<10	<10	10	<10	41
4	10736	0.25	10	0.4	2930	1	0.02	9	220	985	0.001	0.009	>10	<2	<1	59	0.02	<10	<10	4	<10	2290
5	10738	0.01	<10	0.85	5320	2	<0.01	47	210	31	0.001	0.005	>10	15	<1	38	0.01	10	<10	6	<10	69
5	10739	0.08	10	0.33	2260	1	<0.01	5	230	9	<0.001	<0.005	5.09	2	<1	30	0.02	<10	<10	13	<10	20
6	10580	0.06	<10	0.06	2990	<1	<0.01	7	250	9	<0.001	<0.005	5.14	<2	<1	30	0.04	<10	<10	4	<10	28
6	10581	0.19	<10	0.18	4220	1	<0.01	6	310	5	<0.001	<0.005	6.70	<2	<1	49	0.04	10	<10	4	<10	49
6	10582	0.37	10	0.67	4290	1	<0.01	12	260	4	0.002	<0.005	6.92	<2	<1	66	0.06	<10	<10	8	<10	117
6	10583	0.37	10	0.5	5570	1	0.01	13	390	5	0.002	<0.005	4.87	<2	1	68	0.07	10	<10	9	<10	45
6	10584	0.14	<10	0.18	2880	<1	<0.01	11	270	3	<0.001	<0.005	4.04	<2	<1	53	0.09	<10	<10	5	<10	27
6	10585	0.23	10	0.36	3800	1	<0.01	4	210	7	<0.001	<0.005	6.10	<2	<1	124	0.02	<10	<10	4	<10	34
6	10883	0.34	10	0.34	4900	2	0.01	5	320	3	<0.001	<0.005	6.51	<2	1	49	0.08	<10	<10	9	<10	42
6	10884	0.39	10	0.43	5840	1	0.02	10	470	<2	0.001	<0.005	3.42	<2	1	43	0.09	<10	<10	13	<10	47
6	10885	0.08	10	0.56	377	2	<0.01	16	440	52	<0.001	<0.005	>10	<2	2	4	0.01	10	<10	9	<10	97
6	10886	0.09	10	0.08	3590	1	<0.01	18	240	3	<0.001	<0.005	0.80	<2	<1	45	0.07	<10	<10	6	<10	41
6	10887	0.02	<10	0.03	1230	1	<0.01	9	20	4	<0.001	0.005	0.45	<2	<1	10	<0.01	<10	<10	1	<10	19
6	10888	0.13	10	0.12	3610	4	<0.01	5	270	<2	0.001	<0.005	>10	<2	1	31	0.04	10	<10	3	<10	49
6	10889	0.25	10	0.33	5040	1	<0.01	7	310	2	<0.001	<0.005	4.26	<2	1	227	0.05	<10	<10	7	<10	54
6	10890	0.21	10	0.42	1630	3	<0.01	13	410	3	<0.001	0.006	>10	<2	3	49	0.01	10	<10	11	<10	52
6	10892	0.27	10	0.22	5700	2	<0.01	10	360	2	0.001	<0.005	4.30	<2	1	66	0.05	<10	<10	10	<10	41
6	10893	0.09	10	0.11	3560	1	<0.01	2	250	8	0.001	<0.005	6.17	2	<1	26	0.02	<10	<10	3	<10	33
6	10894	0.03	10	0.55	1060	3	<0.01	13	290	104	<0.001	0.009	>10	<2	1	40	0.02	10	<10	8	<10	391
6	10895	0.3	10	0.36	4780	1	<0.01	5	270	3	<0.001	<0.005	8.16	<2	1	75	0.03	<10	<10	5	<10	74
6	10896	0.22	10	0.32	1365	3	<0.01	17	390	<2	<0.001	0.008	>10	<2	1	61	0.06	10	<10	3	<10	35
6	10897	0.24	10	0.39	1080	2	0.01	13	320	7	<0.001	0.007	>10	<2	1	34	0.06	<10	<10	5	<10	38
7	10967	0.09	10	0.17	2670	<1	<0.01	7	360	4	<0.001	<0.005	1.81	<2	<1	33	0.04	<10	<10	3	<10	25
7	10968	0.21	10	0.75	2340	3	<0.01	16	260	2	<0.001	<0.005	9.04	<2	2	128	0.11	10	<10	18	<10	25
7	10969	0.17	10	0.16	1820	1	0.01	6	230	9	0.001	<0.005	5.52	<2	<1	77	0.13	<10	<10	8	10	9
7	10970	0.11	10	0.07	2520	1	<0.01	7	210	2	<0.001	<0.005	3.41	<2	<1	25	0.02	<10	<10	1	<10	48
7	10971	0.15	10	0.37	1900	3	0.01	48	250	5	0.007	0.008	>10	<2	1	19	0.03	10	<10	5	<10	30
8	10957	0.01	<10	0.41	1010	<1	0.02	9	90	<2	<0.001	<0.005	0.14	<2	1	112	<0.01	<10	<10	1	<10	44
9	10958	0.04	10	0.95	1200	1	0.01	20	310	11	0.002	<0.005	4.16	<2	2	104	0.16	<10	<10	29	<10	53
9	10959	0.01	20	0.92	1400	2	0.01	60	380	13	0.002	0.007	>10	<2	3	43	0.1	10	<10	28	<10	35
9	10960	0.03	10	0.66	254	2	0.02	29	1460	17	0.001	<0.005	>10	<2	4	11	0.03	<10	<10	29	<10	40
9	10961	0.03	10	0.26	165	1	0.02	18	110	13	<0.001	<0.005	7.82	<2	1	7	0.02	<10	<10	8	<10	17
10	10929	<0.01	<10	0.27	60	1	<0.01	4	60	100	<0.001	<0.005	0.96	<2	1	2	<0.01	<10	<10	5	<10	39
10	10965	0.02	10	0.48	88	1	<0.01	6	160	4	0.001	<0.005	1.10	<2	1	2	<0.01	<10	<10	17	<10	11
10	10966	0.01	10	0.7	64	3	<0.01	16	230	40	0.001	<0.005	0.93	<2	1	2	<0.01	<10	<10	33	<10	69
11	10919	0.08	<10	0.1	43	1	<0.01	9	90	18	0.001	<0.005	5.86	<2	<1	4	<0.01	<10	<10	8	<10	18
11	10920	0.06	<10	0.02	<5	5	<0.01	15	20	18	0.001	0.005	>10	8	<1	1	<0.01	10	<10	6	<10	<2

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	Site	Method	Size (ft)	Int.	Ag ppm	Al pct	As ppm	Au ppm	B ppm	Be ppm	Ba ppm	Bi ppm	Ca pct	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe pct	Ga ppm	Hg ppm
11	10921	OC	S	0.5		13.7	0.92	3570	0.198	<10	<0.5	30	40	0.02	<0.5	15	86	40	5.10	<10	1.04
11	10923	OC	C	2		0.7	3.11	470	0.435	<10	<0.5	10	60	0.6	<0.5	152	36	4640	>15	10	0.19
11	10924	OC	C	1		5.1	0.95	711	0.685	<10	<0.5	10	74	9.96	1	107	21	1070	>15	<10	1.37
11	10925	OC	C	0.5		0.2	0.71	45	0.105	<10	<0.5	20	9	0.07	<0.5	16	88	123	6.74	<10	0.07
11	10926	OC	C	1		<0.2	0.27	18	0.006	<10	<0.5	50	3	0.03	<0.5	2	110	21	1.64	<10	0.02
11	10927	OC	C	0.5		0.5	2.25	419	0.362	<10	<0.5	20	120	11.05	<0.5	358	31	1020	>15	<10	0.05
11	10928	OC	Rep			1.2	1.76	103	0.235	<10	<0.5	20	95	13.6	<0.5	161	29	1240	>15	10	0.14
12	10269	OC	C	2		0.3	0.57	3	0.012	<10	0.7	30	<2	10.4	<0.5	94	8	105	13.60	<10	0.06
12	10270	OC	C	1.5		22.4	0.4	>10000	2.4	<10	<0.5	20	<2	0.08	1	4	57	638	4.91	<10	1.1
12	10589	OC	Rep	1		8.4	0.73	>10000	1.68	<10	<0.5	30	<2	0.09	1.8	4	58	379	5.10	<10	0.55
12	10590	OC	G	0.2		<0.2	2.42	55	0.016	<10	<0.5	30	<2	0.44	<0.5	35	30	635	>15	10	0.02
12	10591	OC	G	1		<0.2	2.29	15	0.009	<10	<0.5	10	<2	0.51	<0.5	151	40	1205	>15	10	0.01
12	10932	OC	C	1		0.2	2.67	<2	<0.001	<10	<0.5	30	7	0.46	<0.5	69	37	1295	>15	<10	0.02
12	10933	OC	S	0.5		1.3	0.43	26	0.015	<10	<0.5	20	<2	1.09	<0.5	9	80	18	4.64	<10	0.04
13	10265	OC	S	0.3		0.2	0.54	<2	0.008	<10	<0.5	20	<2	6.69	<0.5	45	9	91	9.28	<10	0.44
13	10266	OC	C	2		0.3	0.45	12	0.073	<10	<0.5	20	3	4.05	<0.5	23	25	37	10.55	<10	0.15
13	10588	OC	Rep			1.0	0.75	9	0.045	<10	<0.5	30	2	9.29	<0.5	17	25	49	>15	10	0.04
13	10930	OC	C	0.5		29.4	0.6	87	0.207	<10	<0.5	100	36	1.64	4.7	10	59	1.94%	5.47	<10	2.31
13	10931	OC	C	1.5		0.6	0.44	17	0.012	<10	<0.5	10	3	0.37	<0.5	28	66	117	12.30	<10	0.08
14	10267	OC	C	1		0.5	0.81	<2	<0.001	<10	0.5	90	<2	4.91	<0.5	19	17	57	5.12	<10	0.01
14	10268	OC	C	4		0.5	1.26	4	0.003	<10	<0.5	350	<2	9.42	<0.5	17	17	61	13.10	<10	0.01
14	10592	OC	G			0.3	1.21	4	<0.001	<10	<0.5	420	<2	10.3	<0.5	20	21	33	10.30	<10	0.01
15	10899	OC	G			0.2	2.1	3	<0.001	<10	<0.5	20	<2	1.8	<0.5	22	50	120	4.98	10	0.02
15	10950	OC	S			0.2	2.94	<2	0.002	<10	<0.5	10	<2	1.08	<0.5	40	11	136	6.27	10	0.01
15	10951	OC	G			0.5	1.58	10	0.002	<10	<0.5	70	<2	3.99	1.3	11	50	44	4.69	<10	0.09
15	10952	OC	G			0.3	3.67	77	0.003	<10	<0.5	110	<2	1.97	<0.5	20	133	80	10.40	20	0.07
16	10898	RC	G			0.2	0.16	3	0.002	<10	<0.5	50	<2	0.94	1.1	7	103	37	0.97	<10	0.01
17	10953	OC	C	3.2		1.3	0.48	2	0.102	<10	0.5	10	30	5.38	72.1	16	31	970	>15	<10	0.27
17	10954	OC	C	3.8		0.5	2.48	5	0.06	<10	<0.5	10	83	0.69	<0.5	69	52	726	>15	10	0.01
17	10955	OC	C	0.6		1.6	1.06	4	0.049	<10	<0.5	10	68	1.14	24	106	38	4960	>15	<10	0.12
17	10956	OC	S			1.2	1.47	2	0.041	<10	<0.5	10	61	1.47	28.8	92	36	4560	>15	<10	0.17
18	10271	OC	RC			0.3	0.19	186	0.01	<10	0.5	80	<2	0.09	<0.5	2	44	10	2.80	<10	0.05
19	10922	RC	S			4.5	1.5	35	0.48	<10	<0.5	70	<2	5.33	3.9	47	21	4.28%	10.40	10	0.38
25	10915	OC	S	0.5		0.2	0.19	8	0.001	<10	<0.5	90	2	0.07	<0.5	4	95	17	1.52	<10	0.01
27	10917	OC	C	2		1.6	0.89	58	0.051	<10	<0.5	10	14	2.23	<0.5	273	20	2570	>15	<10	0.12
28	10914	OC	S	0.5		<0.2	0.82	23	0.007	<10	0.5	210	3	0.19	0.5	20	49	7	6.51	<10	0.17
36	10733	RC	C	2		<0.2	0.24	10	0.002	<10	<0.5	40	<2	0.07	<0.5	3	110	44	2.70	<10	0.01
36	10881	OC	Rep			<0.2	0.36	<2	<0.001	<10	0.6	60	<2	0.12	<0.5	25	44	10	11.65	<10	0.02
37	10734	RC	Rep			0.4	0.42	25	0.013	<10	2.4	390	<2	0.26	1.5	32	30	<1	>15	<10	0.09
37	10882	RC	G			<0.2	0.4	71	0.003	<10	0.7	80	<2	6.6	<0.5	8	44	11	5.26	<10	0.09
38	10737	OC	C	3		<0.2	0.88	<2	0.097	<10	0.5	10	11	1.38	<0.5	53	14	1355	>15	10	0.03
41	10399	RC	G			<0.2	1.1	12	<0.001	50	1.6	<10	<2	0.16	1	<1	63	31	0.13	10	0.01
42	10195	RC	Rep			<0.2	0.7	<2	0.005	50	<0.5	30	<2	0.23	<0.5	127	311	145	6.88	<10	0.02
42	10196	OC	RC			<0.2	1.94	6	0.005	30	<0.5	20	<2	0.23	<0.5	118	439	177	6.87	<10	0.01
42	10197	FL	S			1.1	1.9	<2	0.148	10	<0.5	30	<2	0.43	<0.5	99	591	2190	6.61	<10	0.01
42	10226	RC	G			<0.2	0.59	<2	0.004	30	<0.5	30	2	0.2	<0.5	99	316	126	5.49	<10	0.01
43	10485	OC	RC	10		<0.2	2.79	3	0.005	<10	<0.5	20	<2	1.68	<0.5	19	100	98	4.06	10	0.03

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	K pct	La ppm	Mg pct	Mn ppm	Mo ppm	Na pct	Ni ppm	P ppm	Pb ppm	Pd ppm	Pt ppm	S pct	Sb ppm	Sc ppm	Sr ppm	Ti pct	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
11	10921	0.03	<10	0.61	85	1	<0.01	8	190	1335	0.001	0.005	2.34	31	1	4	<0.01	<10	<10	28	<10	167
11	10923	0.01	<10	1.7	330	3	<0.01	11	240	10	0.001	<0.005	>10	4	7	8	0.01	10	<10	58	<10	167
11	10924	0.01	10	0.71	1445	4	<0.01	19	250	995	0.001	<0.005	>10	6	2	145	<0.01	10	<10	20	<10	1035
11	10925	0.01	<10	0.57	113	1	<0.01	17	240	22	0.001	<0.005	4.06	<2	2	4	<0.01	<10	<10	39	<10	17
11	10926	0.05	<10	0.19	41	4	<0.01	7	40	16	<0.001	<0.005	0.91	<2	<1	2	<0.01	<10	<10	13	<10	14
11	10927	<0.01	10	4.21	2250	3	<0.01	22	340	35	0.001	0.018	>10	3	3	158	<0.01	10	<10	40	<10	65
11	10928	<0.01	10	1.42	1290	3	<0.01	27	1240	20	0.001	0.005	>10	5	2	186	<0.01	10	<10	43	<10	56
12	10269	0.22	10	0.24	4930	<1	0.01	12	150	<2	<0.001	<0.005	3.19	<2	<1	196	0.01	<10	<10	3	<10	38
12	10270	0.07	10	0.1	124	2	<0.01	7	90	3470	<0.001	<0.005	2.44	203	<1	15	<0.01	<10	<10	4	<10	762
12	10589	0.1	10	0.25	133	4	0.01	11	130	2560	<0.001	0.005	2.12	160	1	16	<0.01	<10	<10	7	<10	1140
12	10590	0.13	10	0.82	507	<1	<0.01	40	490	13	<0.001	0.009	>10	<2	2	42	0.18	<10	<10	22	<10	34
12	10591	0.04	20	1.03	330	2	0.01	27	420	9	0.001	<0.005	>10	<2	4	30	0.01	<10	<10	30	<10	26
12	10932	0.16	10	1.08	507	1	0.01	28	480	<2	<0.001	<0.005	>10	<2	2	47	0.22	10	<10	23	<10	29
12	10933	0.07	10	0.12	292	1	<0.01	14	70	6	<0.001	<0.005	2.78	<2	1	29	<0.01	<10	<10	5	<10	20
13	10265	0.19	<10	0.14	4280	<1	0.02	6	170	4	<0.001	<0.005	3.32	5	<1	85	0.02	<10	<10	2	<10	91
13	10266	0.11	10	0.14	2570	<1	<0.01	10	200	2	<0.001	0.005	3.53	2	<1	80	0.02	<10	<10	4	10	40
13	10588	0.09	<10	0.12	3960	<1	<0.01	4	180	4	0.001	<0.005	2.78	<2	<1	37	0.02	10	<10	4	30	29
13	10930	0.08	10	0.19	647	3	0.04	5	170	1115	<0.001	<0.005	1.41	<2	3	33	0.05	<10	<10	8	<10	958
13	10931	0.05	<10	0.16	785	1	<0.01	22	190	12	<0.001	0.005	5.87	<2	<1	21	0.06	<10	<10	5	<10	37
14	10267	0.13	10	0.14	2480	<1	<0.01	11	320	2	<0.001	<0.005	1.10	<2	1	72	0.12	<10	<10	7	<10	22
14	10268	0.34	10	0.24	4600	1	0.01	6	280	2	<0.001	<0.005	0.14	<2	1	46	0.07	10	<10	10	10	33
14	10592	0.33	10	0.26	5140	<1	<0.01	9	320	3	<0.001	<0.005	0.18	<2	1	87	0.08	<10	<10	9	10	28
15	10899	0.03	10	1.51	584	2	0.04	15	4090	<2	<0.001	<0.005	0.85	<2	3	67	0.62	<10	<10	109	<10	92
15	10950	0.01	10	2.22	774	<1	0.03	22	1260	2	<0.001	0.005	1.00	<2	1	61	0.59	<10	<10	101	<10	51
15	10951	0.19	10	1.14	488	4	0.01	69	690	12	0.001	<0.005	2.52	<2	2	180	0.07	<10	<10	35	<10	266
15	10952	0.12	20	2.47	680	5	0.01	56	5290	3	0.001	<0.005	1.25	2	9	106	0.65	<10	<10	197	<10	148
16	10898	0.04	<10	0.14	166	4	<0.01	22	770	4	<0.001	<0.005	0.42	<2	1	73	0.01	<10	<10	23	<10	87
17	10953	0.21	<10	1.28	7980	1	0.01	7	250	94	0.001	<0.005	>10	<2	1	215	<0.01	10	<10	4	20	1.58%
17	10954	0.08	10	1.35	1725	2	<0.01	25	250	49	<0.001	<0.005	7.22	<2	4	41	0.01	<10	<10	21	<10	188
17	10955	0.23	10	0.67	3490	2	0.02	21	280	30	0.001	<0.005	>10	<2	3	63	0.01	10	<10	10	<10	5750
17	10956	0.38	10	0.91	4840	3	0.03	19	310	22	<0.001	0.006	>10	<2	3	74	0.01	10	<10	14	<10	7170
18	10271	0.12	30	0.02	106	12	0.04	5	30	58	<0.001	<0.005	0.14	7	<1	4	0.01	<10	<10	3	<10	71
19	10922	0.37	10	0.95	1070	10	0.12	9	3410	15	0.001	<0.005	1.66	3	11	51	0.52	<10	<10	36	<10	193
25	10915	0.08	10	0.05	432	3	<0.01	12	100	81	0.001	<0.005	0.02	<2	1	4	<0.01	<10	<10	15	<10	60
27	10917	0.02	10	0.43	2240	2	<0.01	14	290	21	<0.001	<0.005	>10	7	2	30	<0.01	10	<10	6	<10	32
28	10914	0.04	30	0.08	2100	<1	<0.01	43	560	20	0.002	<0.005	0.04	2	14	30	0.01	<10	<10	80	<10	90
36	10733	0.06	<10	0.02	60	4	<0.01	8	20	7	<0.001	<0.005	0.22	4	<1	5	0.01	<10	<10	9	<10	91
36	10881	0.15	20	0.25	916	1	0.01	40	140	16	0.001	<0.005	0.03	<2	4	9	<0.01	<10	<10	16	<10	182
37	10734	0.09	20	0.11	>10000	1	<0.01	98	250	16	0.001	<0.005	0.05	<2	6	46	<0.01	40	20	56	<10	123
37	10882	0.13	10	0.08	353	4	<0.01	19	50	13	<0.001	<0.005	1.58	<2	3	56	0.01	<10	<10	20	<10	36
38	10737	0.2	10	0.36	2120	1	0.02	7	270	7	0.001	<0.005	>10	<2	<1	70	0.06	<10	<10	8	<10	56
41	10399	0.66	<10	0.02	263	<1	0.11	2	560	<2	<0.001	<0.005	<0.01	2	3	3	<0.01	<10	<10	1	10	2
42	10195	0.06	<10	15	943	1	0.03	1940	100	<2	0.023	0.028	0.37	<2	4	11	0.05	<10	<10	15	<10	40
42	10196	0.06	<10	12.05	725	1	0.01	1595	110	<2	0.014	0.016	0.30	<2	5	14	0.05	<10	<10	25	<10	28
42	10197	0.09	<10	8.14	608	3	0.04	2970	170	<2	0.381	0.533	0.78	<2	6	14	0.06	<10	<10	41	<10	37
42	10226	0.06	<10	13.15	810	1	0.03	1720	80	<2	0.019	0.017	0.09	<2	4	11	0.04	<10	<10	12	<10	32
43	10485	0.06	<10	1.5	499	<1	0.17	47	630	<2	0.013	<0.005	0.03	<2	3	40	0.56	<10	<10	142	<10	44

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	Site	Method	Size (ft)	Int.	Ag ppm	Al pct	As ppm	Au ppm	B ppm	Be ppm	Ba ppm	Bi ppm	Ca pct	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe pct	Ga ppm	Hg ppm
44	10486	OC	RC	20		<0.2	2.87	3	<0.001	<10	<0.5	20	<2	1.7	<0.5	30	23	301	5.97	10	0.02
45	10487	OC	S	0.3		100.0	0.49	2	1.21	<10	<0.5	<10	<2	0.72	<0.5	1	12	28.10%	0.75	<10	1.57
49	10396	RC	G	0.3		0.6	0.6	6	0.009	<10	<0.5	<10	<2	0.73	<0.5	4	114	4390	1.36	<10	0.03
49	10397	RC	S			0.9	2.4	<2	0.065	<10	<0.5	10	<2	1.8	<0.5	27	39	4520	4.65	10	0.02
50	10234	OC	S	2		1.0	1.47	38	0.019	<10	<0.5	10	<2	0.6	1.7	37	93	10.80%	12.00	<10	0.3
50	10721	OC	C	20		<0.2	4.12	8	<0.001	<10	<0.5	30	<2	1.36	9.8	41	108	2840	6.62	10	0.02
51	10574	OC	Rep			0.2	0.88	3	0.004	20	<0.5	10	<2	0.1	<0.5	134	708	365	8.94	<10	0.02
51	10575	OC	Rep			<0.2	3.81	<2	0.007	<10	<0.5	<10	2	2.6	<0.5	46	343	550	3.66	10	0.03
51	10903	OC	C	10		0.2	3.89	<2	0.007	10	<0.5	10	<2	1.44	<0.5	81	811	491	4.54	<10	0.04
51	10904	OC	C	2		<0.2	0.74	<2	0.008	30	<0.5	10	<2	0.39	<0.5	96	569	152	5.99	<10	0.02
52	10902	OC	Rep	10		2.6	1.06	14	0.009	10	<0.5	130	<2	3.64	1	6	60	64	2.49	<10	0.15
53	10901	OC	S	0.3		1.3	3.35	<2	0.014	<10	<0.5	20	<2	1.72	<0.5	24	102	3010	4.30	10	0.16
54	10832	RC	S			0.6	0.16	2	0.009	<10	<0.5	10	<2	0.05	<0.5	176	166	1090	11.65	<10	0.01
54	10833	RC	S			<0.2	0.09	5	0.003	<10	<0.5	<10	2	0.12	<0.5	127	142	211	9.91	<10	0.01
54	10834	RC	S			0.2	0.1	<2	0.004	<10	<0.5	<10	<2	0.04	<0.5	162	150	473	11.70	<10	0.01
55	10079	OC	Rep			<0.2	0.27	<2	0.004	20	<0.5	20	2	0.1	1.8	133	192	230	8.50	<10	0.01
56	10239	OC	G			0.3	0.94	<2	<0.001	<10	<0.5	10	<2	15	0.8	2	29	102	0.81	<10	0.05
57	10238	FL	G			<0.2	1.92	4	0.024	<10	<0.5	80	<2	1.31	<0.5	15	192	275	2.98	10	<0.01
58	10535	OC	RC	25	1	<0.2	1.17	<2	0.008	<10	<0.5	80	<2	0.77	<0.5	20	175	166	3.26	<10	<0.01
59	10725	RC	Rep			0.5	0.58	16	0.016	10	<0.5	10	<2	0.63	<0.5	46	423	502	2.80	<10	0.11
59	10726	OC	S			<0.2	3.86	2	0.002	<10	<0.5	30	<2	2.68	<0.5	22	28	103	1.08	10	0.04
59	10853	OC	Rep			0.5	0.26	<2	0.005	10	<0.5	<10	<2	0.18	<0.5	154	206	285	8.29	<10	0.02
59	10854	RC	S			0.8	0.23	<2	0.013	20	<0.5	10	<2	0.24	<0.5	106	303	631	4.62	<10	0.12
60	10835	OC	SC	8	0.5	0.2	0.07	<2	0.008	130	<0.5	<10	<2	0.06	<0.5	119	140	276	8.01	<10	0.08
60	10836	OC	Rep	70		<0.2	0.12	<2	<0.001	130	<0.5	<10	<2	0.12	<0.5	119	170	226	8.06	<10	0.09
61	10249	OC	S			<0.2	7.35	<2	<0.001	<10	<0.5	90	<2	7.39	<0.5	6	35	17	0.72	10	0.05
61	10849	OC	Rep	30		0.2	1.12	<2	0.003	<10	<0.5	20	<2	0.98	<0.5	102	96	362	7.41	<10	0.08
61	10850	OC	G			<0.2	5.2	<2	0.004	10	<0.5	20	<2	3.73	<0.5	26	152	138	1.77	10	0.08
62	10727	OC	S			<0.2	4.95	<2	<0.001	10	<0.5	30	<2	3.45	<0.5	18	36	125	1.29	10	0.13
62	10855	OC	C	4.6		0.2	1.88	<2	0.003	<10	<0.5	20	<2	1.6	<0.5	17	43	202	1.80	<10	0.04
62	10857	RC	Rep			<0.2	8.32	<2	0.003	<10	<0.5	40	3	3.69	<0.5	57	83	216	4.70	10	0.03
63	10534	RC	RC	30	1	0.6	3.01	10	0.01	<10	<0.5	320	<2	0.14	<0.5	27	39	466	6.65	10	0.01
64	10082	OC	RC	2		0.3	0.08	2	0.02	10	<0.5	<10	<2	0.04	<0.5	110	1290	171	7.80	<10	<0.01
64	10602	RC	Rep	5		0.4	0.05	41	0.034	<10	0.9	10	<2	1.19	3	119	301	313	>15	<10	0.01
64	10700	RC	Rep			1.0	0.23	82	0.05	<10	<0.5	10	2	2.99	3	117	203	711	>15	<10	0.01
64	10701	OC	Rep			0.4	0.05	<2	0.036	10	<0.5	<10	<2	0.02	<0.5	145	758	586	7.83	<10	<0.01
65	10080	RC	S			<0.2	0.72	<2	0.01	<10	<0.5	20	2	0.24	0.9	98	252	188	6.13	<10	<0.01
65	10081	RC	Rep			0.3	1.17	2	0.003	<10	<0.5	10	2	0.33	<0.5	102	209	171	7.30	<10	0.01
65	10600	RC	Rep	100		0.3	0.14	2	0.003	<10	<0.5	10	<2	0.08	<0.5	118	180	104	7.75	<10	0.01
65	10601	RC	RC			0.7	1.34	3	0.013	<10	<0.5	20	<2	0.35	<0.5	81	228	806	5.56	<10	0.01
66	10555	FL	G			<0.2	1.98	57	0.006	60	<0.5	70	<2	2.86	<0.5	93	1095	126	6.06	<10	0.03
66	10620	OC	Rep	10		<0.2	0.87	27	0.003	30	<0.5	10	<2	0.99	<0.5	110	1755	62	5.87	<10	0.01
66	10621	OC	SC	45		<0.2	0.12	39	0.003	70	0.6	20	<2	0.48	<0.5	97	1540	71	5.50	<10	0.14
67	10198	RC	RC			<0.2	1.86	6	0.006	100	<0.5	30	<2	0.39	<0.5	131	338	207	7.>15	<10	<0.01
67	10199	OC	RC			<0.2	3.57	<2	0.002	<10	<0.5	20	2	1.8	<0.5	80	73	67	6.36	<10	<0.01
67	10227	FL	S			11.6	2.6	282	0.15	40	<0.5	<10	<2	0.39	2.2	111	668	2.59%	6.20	<10	0.68
67	10228	RC	RC			<0.2	2.39	<2	0.011	10	<0.5	50	2	0.52	<0.5	102	293	245	6.24	<10	<0.01

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	K pct	La ppm	Mg pct	Mn ppm	Mo ppm	Na pct	Ni ppm	P ppm	Pb ppm	Pd ppm	Pt ppm	S pct	Sb ppm	Sc ppm	Sr ppm	Ti pct	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
44	10486	0.07	<10	1.75	681	<1	0.15	40	630	<2	0.014	0.008	0.02	<2	5	40	0.62	<10	<10	186	<10	74
45	10487	<0.01	<10	0.06	77	1	<0.01	4	140	8	0.005	0.011	2.89	<2	6	66	0.14	<10	<10	37	30	208
49	10396	0.01	<10	0.23	106	1	<0.01	21	70	<2	0.008	<0.005	0.02	<2	2	38	0.09	<10	<10	51	<10	4
49	10397	0.08	<10	1.29	544	<1	0.12	26	830	<2	0.021	<0.005	0.13	<2	6	37	0.48	<10	<10	131	<10	96
50	10234	<0.01	<10	0.98	354	66	0.01	65	290	18	0.022	0.006	4.99	3	6	14	0.39	<10	<10	89	<10	42
50	10721	0.05	<10	2.93	1075	2	0.06	78	550	<2	0.016	0.007	0.12	<2	10	13	0.68	<10	<10	216	<10	75
51	10574	0.01	<10	14.2	986	<1	<0.01	1445	60	<2	0.044	0.025	0.32	<2	10	1	0.04	<10	<10	30	<10	59
51	10575	<0.01	<10	3.24	558	<1	<0.01	229	20	<2	0.001	<0.005	0.10	<2	4	3	0.02	<10	<10	23	<10	55
51	10903	<0.01	<10	5.11	571	<1	0.01	537	50	4	0.016	0.011	0.46	2	7	4	0.07	<10	<10	55	<10	38
51	10904	0.01	<10	10.2	943	<1	<0.01	850	50	3	0.041	0.03	0.35	<2	11	1	0.03	<10	<10	34	<10	40
52	10902	0.31	10	0.76	238	12	0.02	45	2180	12	0.004	<0.005	1.14	3	4	76	0.14	<10	<10	39	<10	116
53	10901	0.05	<10	1.68	558	<1	0.18	58	590	3	0.016	0.005	0.03	2	3	53	0.59	<10	<10	143	<10	54
54	10832	0.01	<10	15	1410	1	<0.01	1780	50	<2	0.036	0.063	0.29	<2	4	2	0.01	10	<10	4	<10	37
54	10833	<0.01	<10	15	1415	2	<0.01	1510	40	<2	0.022	0.043	0.14	<2	4	3	0.01	<10	<10	3	<10	45
54	10834	<0.01	<10	15	1625	1	<0.01	1570	40	<2	0.022	0.052	0.32	<2	5	2	0.01	<10	<10	3	<10	75
55	10079	0.01	<10	15	1220	2	0.01	1670	50	<2	0.043	0.018	0.05	<2	3	3	0.02	<10	<10	6	<10	35
56	10239	0.04	<10	1.83	778	3	0.01	22	1700	3	0.001	<0.005	0.46	<2	<1	400	0.04	<10	<10	40	<10	67
57	10238	0.11	30	0.76	217	1	0.38	98	1400	<2	0.005	0.01	0.01	<2	1	138	0.29	<10	<10	213	<10	47
58	10535	0.09	20	1.19	260	<1	0.26	133	1010	<2	0.004	<0.005	0.01	<2	2	82	0.3	<10	<10	188	10	45
59	10725	0.01	<10	3.19	273	<1	0.02	328	30	3	0.101	0.085	0.27	<2	5	10	0.06	<10	<10	40	<10	16
59	10726	0.03	<10	0.7	137	<1	0.35	93	10	2	0.002	<0.005	0.18	<2	4	178	0.06	<10	<10	30	<10	12
59	10853	<0.01	<10	15	1215	1	<0.01	2350	70	<2	0.112	0.049	0.13	<2	7	3	0.02	10	<10	12	<10	35
59	10854	<0.01	<10	5.83	497	<1	0.02	844	20	4	0.075	0.058	0.79	<2	3	5	0.04	<10	<10	32	<10	21
60	10835	<0.01	<10	15	1120	<1	<0.01	1605	50	<2	0.032	0.103	0.12	<2	5	2	0.01	<10	<10	4	<10	26
60	10836	<0.01	<10	15	1125	<1	<0.01	1695	50	<2	0.022	0.096	0.18	<2	5	4	0.01	<10	<10	5	<10	26
61	10249	0.06	<10	1.2	100	<1	0.22	44	10	2	<0.001	<0.005	<0.01	<2	1	108	<0.01	<10	<10	4	<10	11
61	10849	0.01	<10	12.55	1010	<1	0.08	1055	90	2	0.021	0.012	0.23	<2	3	31	0.02	<10	<10	14	<10	31
61	10850	0.02	<10	2.5	181	<1	0.24	197	20	<2	0.007	<0.005	0.11	<2	2	128	0.02	<10	<10	19	<10	13
62	10727	0.02	<10	1.06	167	<1	0.38	79	10	<2	0.002	<0.005	0.10	<2	4	200	0.04	<10	<10	21	<10	16
62	10855	0.01	<10	1.1	142	<1	0.11	72	20	<2	0.002	0.01	0.15	<2	7	43	0.06	<10	<10	28	<10	9
62	10857	0.04	<10	2.11	283	<1	0.51	190	30	3	0.006	0.007	1.37	2	4	172	0.04	<10	<10	56	<10	35
63	10534	0.37	<10	2.34	1160	2	0.07	8	360	2	0.001	<0.005	1.07	<2	12	14	0.1	<10	<10	89	<10	114
64	10082	<0.01	<10	15	1100	1	<0.01	1735	30	2	0.032	0.032	0.09	<2	5	1	0.01	<10	<10	10	<10	21
64	10602	0.01	<10	0.67	5260	2	0.02	1395	30	19	0.069	0.12	0.01	<2	18	100	0.01	<10	10	50	<10	162
64	10700	0.01	<10	1.54	3600	2	0.07	1515	20	13	0.083	0.112	0.05	<2	5	172	0.01	<10	10	22	<10	94
64	10701	<0.01	<10	15	1175	<1	<0.01	2260	20	6	0.056	0.052	0.15	<2	4	1	0.01	<10	<10	6	<10	25
65	10080	0.04	<10	13.85	841	<1	0.03	1890	50	<2	0.036	0.033	0.10	<2	4	15	0.03	<10	<10	9	<10	33
65	10081	0.03	<10	14.8	1075	1	0.02	1870	30	9	0.019	0.018	0.07	<2	4	20	0.02	<10	<10	8	<10	44
65	10600	0.01	<10	15	1225	1	0.01	2420	30	6	0.019	0.02	0.04	<2	4	3	0.01	<10	<10	6	<10	36
65	10601	0.03	<10	11.65	806	<1	0.11	1870	30	3	0.041	0.045	0.12	<2	3	70	0.02	<10	<10	12	<10	28
66	10555	0.08	<10	12.8	950	1	0.02	1615	240	2	0.039	0.048	0.01	<2	5	136	0.07	<10	<10	45	<10	34
66	10620	0.01	<10	15	916	<1	<0.01	1815	40	3	0.039	0.035	0.02	<2	7	62	0.03	<10	<10	22	<10	36
66	10621	0.05	<10	11.75	809	1	0.04	1745	30	<2	0.009	0.014	0.02	2	5	61	0.01	<10	<10	12	<10	26
67	10198	0.11	<10	15	935	1	0.02	1880	140	<2	0.017	0.013	0.16	<2	6	14	0.06	<10	<10	21	<10	45
67	10199	0.05	<10	7.55	830	1	0.43	603	70	<2	0.011	0.006	0.03	<2	2	78	0.02	<10	<10	9	<10	50
67	10227	<0.01	<10	13.55	2490	1	<0.01	2130	230	17	0.115	0.086	0.54	<2	15	9	0.06	<10	<10	62	<10	108
67	10228	0.15	<10	11.1	536	1	0.05	1285	240	<2	0.022	0.02	0.25	<2	4	40	0.07	<10	<10	30	<10	37

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	Site	Method	Size (ft)	Int.	Ag ppm	Al pct	As ppm	Au ppm	B ppm	Be ppm	Ba ppm	Bi ppm	Ca pct	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe pct	Ga ppm	Hg ppm
67	10800	RC	SC	45	0.5	0.2	2	5	0.012	50	<0.5	40	<2	0.39	<0.5	108	346	303	7.07	<10	0.01
67	10801	RC	S			1.2	1.96	9	0.056	50	<0.5	40	<2	0.37	<0.5	149	349	1385	8.12	<10	0.01
68	10083	OC	G			<0.2	1.68	231	0.005	10	<0.5	30	<2	0.82	<0.5	75	198	872	5.82	<10	0.01
68	10603	RC	RC			0.2	2.42	17	0.002	10	<0.5	10	<2	0.54	<0.5	47	268	201	4.14	<10	<0.01
68	10604	RC	RC	30		1.2	1.97	106	0.037	10	<0.5	10	<2	0.79	<0.5	39	399	757	8.96	<10	0.05
68	10702	RC	Rep			<0.2	2.09	23	0.001	10	<0.5	80	<2	1.03	<0.5	29	67	132	4.35	<10	0.01
69	10096	RC	RC	25		<0.2	2.46	19	0.007	20	<0.5	10	<2	0.39	<0.5	99	452	394	7.05	<10	<0.01
69	10542	OC	G			0.7	0.41	31	0.085	50	<0.5	10	<2	0.35	<0.5	103	288	1315	5.69	<10	0.01
69	10543	RC	G			<0.2	1.76	6	0.005	10	<0.5	10	<2	0.52	<0.5	75	350	322	6.13	<10	<0.01
70	10097	OC	RC			<0.2	0.04	<2	0.002	<10	<0.5	<10	<2	0.09	<0.5	150	201	15	7.11	<10	<0.01
70	10098	OC	S			0.4	2.24	4	0.049	10	<0.5	40	<2	0.25	<0.5	125	344	653	6.91	<10	<0.01
70	10099	RC	S			<0.2	2.83	<2	<0.001	<10	<0.5	80	<2	0.98	<0.5	19	12	48	4.94	10	<0.01
70	10544	OC	G			0.4	0.05	5	0.017	40	<0.5	<10	<2	0.01	<0.5	142	822	344	8.72	<10	0.02
70	10545	OC	G			<0.2	0.09	2	0.002	20	<0.5	<10	<2	0.08	<0.5	142	223	79	7.61	<10	0.01
70	10546	OC	G			0.2	0.07	<2	0.003	10	<0.5	10	<2	0.14	<0.5	138	156	114	7.38	<10	<0.01
70	10547	RC	G			<0.2	0.03	4	<0.001	10	<0.5	<10	<2	0.08	<0.5	148	139	69	7.79	<10	0.01
71	10386	OC	RC			<0.2	2.26	25	0.002	<10	<0.5	40	<2	0.03	<0.5	6	28	64	9.62	10	0.01
72	10858	OC	G			<0.2	3.09	<2	0.003	<10	<0.5	40	2	1.22	<0.5	37	30	162	6.19	10	0.03
73	10384	RC	RC			0.4	1.02	44	0.005	<10	1.1	160	2	0.02	11.8	50	15	47	>15	<10	0.93
73	10385	RC	G			0.2	0.87	25	<0.001	<10	<0.5	100	2	0.04	<0.5	46	29	90	>15	<10	0.1
74	10866	RC	S			0.9	0.59	<2	0.023	<10	<0.5	<10	2	0.79	1.5	535	41	4800	>15	<10	0.17
74	10867	OC	S			0.4	2.47	<2	0.006	<10	<0.5	30	2	1.76	<0.5	138	148	899	7.06	10	0.06
74	10868	OC	S			0.9	0.38	<2	0.008	<10	<0.5	<10	4	0.55	0.8	633	22	3280	>15	<10	0.2
75	10863	RC	Rep			0.3	0.08	<2	0.062	<10	<0.5	<10	<2	0.08	<0.5	154	196	182	7.81	<10	0.03
76	10864	OC	SC			<0.2	2.05	<2	<0.001	80	<0.5	10	<2	4.58	<0.5	12	85	38	2.01	<10	0.09
76	10865	OC	SC	14	1	<0.2	1.34	<2	0.004	30	<0.5	20	<2	2.42	<0.5	17	67	154	2.38	<10	0.1
77	10229	OC	G			10.4	0.5	<2	0.933	<10	<0.5	10	<2	0.46	1.4	9	18	2.06%	9.03	10	0.36
77	10802	OC	SC	30	2	1.9	0.57	4	0.1	<10	<0.5	<10	4	0.48	<0.5	20	123	2460	>15	10	0.07
77	10803	OC	Rep			1.2	0.42	3	0.171	<10	<0.5	<10	8	0.2	<0.5	25	13	3040	>15	10	0.06
77	10804	OC	SC	14	1	2.3	0.46	<2	0.103	<10	<0.5	<10	2	0.52	<0.5	18	59	1695	>15	10	0.06
77	10805	OC	S			0.6	1.18	2	0.068	<10	<0.5	10	<2	1.36	<0.5	14	374	2330	5.82	<10	0.05
77	10806	OC	S			6.0	0.79	<2	0.355	<10	<0.5	10	<2	1.06	3.1	28	80	1.59%	6.20	<10	1.87
78	10230	OC	G			2.0	0.54	<2	0.057	<10	<0.5	<10	<2	0.2	4.2	414	31	1.78%	>15	10	0.08
78	10807	OC	G			2.8	0.62	2	0.069	<10	<0.5	<10	<2	0.4	<0.5	536	109	1.75%	>15	10	0.08
79	10379	OC	RC			<0.2	2.53	5	<0.001	<10	<0.5	10	<2	0.78	<0.5	16	23	66	4.68	10	0.06
80	10908	OC	C	1		<0.2	1.14	<2	0.005	10	<0.5	70	2	0.21	<0.5	123	257	71	6.92	<10	0.02
81	10859	RC	S			0.2	0.3	7	0.031	<10	<0.5	<10	<2	0.06	<0.5	144	887	218	7.78	<10	0.05
81	10860	RC	G			<0.2	0.46	<2	<0.001	<10	<0.5	30	<2	0.16	<0.5	128	193	26	6.67	<10	0.02
81	10861	RC	Rep			<0.2	0.05	<2	<0.001	<10	<0.5	<10	<2	0.04	<0.5	147	117	8	7.51	<10	0.03
81	10862	RC	Rep			<0.2	4.69	77	0.003	90	0.7	10	<2	15	<0.5	16	156	69	2.62	10	0.03
82	10392	RC	S	1		0.8	1.14	18	0.003	<10	<0.5	30	3	7.54	1.5	107	17	177	>15	<10	0.02
82	10393	OC	C	3		<0.2	5.56	5	<0.001	<10	<0.5	180	<2	3.98	<0.5	8	25	75	5.69	10	0.02
83	10387	OC	C	2		<0.2	2.36	19	0.003	<10	<0.5	40	<2	2.4	<0.5	35	118	902	3.58	10	<0.01
83	10719	OC	C	2		<0.2	1.75	10	<0.001	<10	<0.5	10	<2	1.29	<0.5	40	320	162	4.08	10	0.01
83	10720	RC	C	3		0.2	1.31	37	<0.001	<10	<0.5	20	<2	1.7	<0.5	12	43	480	2.73	<10	0.01
84	10388	OC	G	1		<0.2	2.44	8	<0.001	10	<0.5	30	<2	2.44	<0.5	22	57	102	4.77	10	<0.01
84	10389	OC	C	1		0.2	2.85	24	<0.001	<10	<0.5	50	<2	1.82	<0.5	41	218	281	6.32	10	<0.01

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	K pct	La ppm	Mg pct	Mn ppm	Mo ppm	Na pct	Ni ppm	P ppm	Pb ppm	Pd ppm	Pt ppm	S pct	Sb ppm	Sc ppm	Sr ppm	Ti pct	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
67	10800	0.11	<10	14.15	696	1	0.03	1445	180	11	0.029	0.028	0.27	<2	5	33	0.06	<10	<10	31	<10	44
67	10801	0.1	<10	14.4	726	1	0.03	2590	180	10	0.091	0.093	0.98	<2	5	30	0.06	10	<10	30	<10	45
68	10083	0.08	<10	1.29	366	<1	0.06	4020	280	<2	0.012	<0.005	0.05	<2	12	34	0.12	<10	<10	103	<10	30
68	10603	0.02	<10	3.7	547	<1	0.02	379	10	2	0.007	0.008	0.05	<2	4	22	0.04	<10	<10	29	<10	37
68	10604	0.02	<10	2.01	323	<1	0.02	1095	20	5	0.168	0.118	0.04	<2	7	31	0.08	<10	<10	70	<10	24
68	10702	0.16	10	1.31	586	<1	0.06	75	850	4	0.011	0.01	0.01	<2	11	60	0.17	<10	<10	127	<10	51
69	10096	0.08	<10	6.86	924	<1	0.01	1190	20	<2	0.035	0.03	0.24	<2	4	20	0.04	<10	<10	41	<10	38
69	10542	0.02	<10	9.85	722	<1	<0.01	2180	20	4	0.414	0.322	0.37	<2	4	15	0.02	<10	<10	11	<10	30
69	10543	0.05	<10	6.78	766	<1	0.01	925	50	<2	0.02	0.019	0.16	<2	5	24	0.04	<10	<10	30	<10	32
70	10097	<0.01	<10	15	1120	1	<0.01	2150	20	<2	0.01	0.022	0.05	<2	5	2	<0.01	<10	<10	1	<10	38
70	10098	0.1	<10	12	608	<1	0.02	1540	220	4	0.022	0.027	0.58	<2	4	49	0.07	<10	<10	29	<10	40
70	10099	0.13	<10	1.98	709	1	0.09	17	480	2	<0.001	<0.005	0.08	<2	7	42	0.3	<10	<10	124	<10	96
70	10544	<0.01	<10	15	1060	<1	<0.01	2390	30	<2	0.051	0.088	0.11	<2	5	<1	0.01	<10	<10	5	<10	47
70	10545	<0.01	<10	15	1095	<1	<0.01	2540	20	<2	0.017	0.027	0.03	<2	5	<1	0.01	<10	<10	3	<10	41
70	10546	<0.01	<10	15	1065	<1	<0.01	2560	30	2	0.026	0.037	0.03	<2	5	<1	<0.01	<10	<10	3	<10	42
70	10547	<0.01	<10	15	1135	<1	<0.01	2900	30	2	0.046	0.078	0.02	<2	5	<1	<0.01	<10	<10	2	<10	44
71	10386	0.22	<10	2.61	231	1	0.02	3	1040	7	<0.001	<0.005	1.54	<2	7	2	<0.01	<10	<10	87	<10	31
72	10858	0.13	<10	1.72	684	<1	0.1	92	440	<2	0.007	0.009	0.05	<2	4	28	0.28	<10	<10	178	<10	71
73	10384	0.1	90	0.29	1720	12	0.02	106	390	13	0.002	<0.005	0.13	19	3	19	<0.01	<10	30	39	<10	1725
73	10385	0.13	10	0.15	1140	2	0.01	48	330	9	<0.001	<0.005	0.41	2	3	7	0.07	10	<10	31	<10	1345
74	10866	<0.01	<10	0.16	<5	7	0.01	689	870	2	0.008	0.013	11.80	<2	1	19	0.08	<10	<10	16	<10	15
74	10867	0.03	<10	1.32	203	6	0.13	386	690	<2	0.006	0.012	3.47	2	4	46	0.11	<10	<10	37	<10	25
74	10868	<0.01	<10	0.12	<5	12	0.01	665	860	3	0.007	0.007	14.30	3	1	6	0.04	10	10	10	<10	9
75	10863	<0.01	<10	15	1220	2	<0.01	3010	20	<2	0.056	0.054	0.02	<2	5	<1	<0.01	10	<10	1	<10	43
76	10864	0.03	10	0.22	73	2	0.03	60	540	7	0.001	<0.005	1.08	<2	1	70	0.12	<10	<10	18	<10	40
76	10865	0.05	10	0.76	67	2	0.04	112	610	3	0.004	<0.005	1.14	<2	1	85	0.15	<10	<10	27	<10	18
77	10229	0.01	<10	0.42	178	2	0.02	30	540	13	0.007	<0.005	2.18	<2	1	7	0.03	<10	<10	23	<10	62
77	10802	0.01	<10	1.02	263	8	0.02	29	280	8	0.004	0.005	0.26	<2	2	7	0.07	20	<10	35	<10	33
77	10803	0.01	<10	0.37	149	22	<0.01	10	300	8	0.001	<0.005	0.32	<2	1	4	0.02	30	<10	11	<10	30
77	10804	0.01	<10	0.48	219	9	0.01	31	690	11	0.013	<0.005	0.22	<2	1	9	0.06	10	<10	24	<10	11
77	10805	0.01	<10	1.36	296	1	0.04	124	430	3	0.007	0.007	0.24	<2	3	18	0.15	<10	<10	81	<10	66
77	10806	0.01	<10	0.65	154	2	0.01	79	330	9	0.003	<0.005	2.02	<2	1	27	0.12	<10	<10	22	<10	121
78	10230	<0.01	<10	0.29	9	3	<0.01	618	180	9	<0.001	<0.005	20.90	<2	<1	2	0.02	10	<10	21	<10	66
78	10807	<0.01	<10	0.2	19	4	0.01	1305	270	7	0.007	<0.005	13.95	<2	1	4	0.05	10	<10	37	<10	151
79	10379	0.01	<10	2.3	701	<1	0.08	11	480	2	0.001	<0.005	1.06	2	10	46	0.25	<10	<10	122	<10	69
80	10908	0.24	<10	15	992	1	0.09	1640	150	3	0.028	0.028	0.04	3	4	33	0.05	<10	<10	14	<10	46
81	10859	<0.01	<10	15	1105	1	0.01	2730	30	112	0.025	0.03	0.03	<2	5	2	0.01	10	<10	7	<10	37
81	10860	0.09	<10	15	968	1	0.05	2000	130	<2	0.004	0.01	0.01	<2	3	12	0.05	<10	<10	14	<10	32
81	10861	<0.01	<10	15	1155	1	<0.01	2600	20	3	0.008	0.032	0.01	<2	5	1	0.01	10	<10	2	<10	36
81	10862	<0.01	10	1.5	365	<1	<0.01	81	40	<2	0.001	0.005	0.01	4	7	110	0.21	<10	<10	30	<10	355
82	10392	0.04	10	0.09	1630	<1	<0.01	22	370	16	0.001	0.009	6.69	<2	2	3	0.05	<10	<10	23	<10	18
82	10393	0.24	10	0.95	656	<1	0.19	8	1980	11	0.001	<0.005	1.62	<2	14	152	0.22	<10	<10	184	<10	63
83	10387	0.18	10	0.73	61	1	0.14	156	520	5	0.004	<0.005	1.82	<2	1	120	0.34	<10	<10	58	<10	20
83	10719	0.04	<10	1.84	276	<1	0.16	264	440	4	0.007	0.007	1.49	<2	4	50	0.24	<10	<10	59	<10	29
83	10720	0.07	10	0.29	100	<1	0.06	29	680	4	0.001	<0.005	0.60	<2	2	46	0.2	<10	<10	32	<10	35
84	10388	0.42	10	0.58	105	<1	0.16	39	1190	5	0.001	<0.005	1.78	<2	7	100	0.2	<10	<10	73	<10	22
84	10389	0.1	10	1.6	186	3	0.18	283	470	6	0.013	0.013	1.76	<2	3	66	0.09	<10	<10	51	<10	22

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	Site	Method	Size (ft)	Int.	Ag ppm	Al pct	As ppm	Au ppm	B ppm	Be ppm	Ba ppm	Bi ppm	Ca pct	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe pct	Ga ppm	Hg ppm
84	10390	OC	G	1		<0.2	2.97	2	0.002	<10	<0.5	40	<2	1.85	<0.5	71	196	160	5.92	10	0.01
84	10391	OC	C	2		0.4	2.48	22	0.007	<10	<0.5	<10	<2	3.32	<0.5	45	130	194	7.05	10	0.06
85	10482	OC	S	1		6.3	1.5	2	0.055	<10	<0.5	10	<2	2.54	<0.5	3	36	3440	0.71	<10	0.53
86	10498	OC	C	6		2.4	0.95	10	0.748	<10	<0.5	10	<2	1.54	0.5	14	67	5270	2.35	<10	0.05
86	10499	OC	S	0.6		12.8	0.48	44	0.02	<10	<0.5	10	<2	0.76	1.1	13	35	2.29%	3.11	<10	0.08
86	10573	OC	Rep	3		0.2	0.88	5	0.209	40	<0.5	10	<2	1.29	<0.5	11	257	1555	1.50	<10	0.08
86	10900	OC	C	3		5.7	0.96	3	0.48	10	<0.5	10	<2	1.89	4.4	23	57	4740	2.10	<10	0.08
87	10481	OC	RC			<0.2	1.92	8	<0.001	<10	<0.5	30	<2	0.97	<0.5	13	27	23	2.10	10	<0.01
87	10722	OC	Rep			0.3	2.17	4	0.003	<10	<0.5	30	<2	1.55	<0.5	41	464	297	4.38	<10	0.01
88	10905	OC	C	0.6		0.8	1.1	8	0.076	<10	<0.5	<10	<2	1.22	<0.5	23	180	2790	1.79	<10	0.12
89	10576	RC	G			<0.2	0.87	32	0.007	10	<0.5	20	<2	0.71	<0.5	82	580	349	6.06	<10	0.11
89	10906	OC	C	6		0.2	0.66	48	<0.001	50	<0.5	20	<2	1.24	<0.5	138	1250	12	6.72	<10	0.02
89	10907	OC	C	2		3.0	1.28	10	0.012	<10	<0.5	40	<2	1.94	1.4	30	201	7020	2.61	<10	0.24
90	10193	OC	S			0.3	0.24	<2	0.006	<10	<0.5	<10	<2	0.7	2.5	496	11	1220	>15	<10	<0.01
90	10194	OC	S			2.7	0.76	402	0.006	<10	<0.5	<10	<2	1.06	2.6	1170	30	4430	>15	<10	0.06
90	10383	OC	S	1		0.9	0.94	130	<0.001	<10	<0.5	10	<2	5.37	<0.5	43	24	1215	13.35	<10	0.06
90	10717	OC	S			4.0	0.82	51	<0.001	<10	<0.5	<10	<2	1.77	0.6	56	171	4980	3.42	<10	0.27
90	10718	OC	S			<0.2	1.78	<2	<0.001	<10	<0.5	20	<2	0.7	<0.5	13	134	88	3.66	<10	0.01
91	10382	OC	C			<0.2	3.6	13	<0.001	<10	0.5	30	<2	2.62	<0.5	17	100	85	3.60	10	0.01
91	10613	OC	SC	30		0.2	3.19	26	0.002	<10	0.7	30	<2	2.43	<0.5	22	180	93	4.10	10	0.01
91	10614	OC	SC	15		<0.2	3.24	<2	<0.001	<10	<0.5	70	<2	2.31	<0.5	20	65	57	3.00	<10	<0.01
92	10483	OC	C	2.5		2.2	0.38	9	0.009	<10	0.5	<10	<2	1.12	<0.5	581	38	659	>15	<10	0.09
93	10484	OC	S	1		0.2	2.78	27	0.013	<10	0.5	<10	<2	4.6	<0.5	50	70	259	5.56	10	0.02
94	10367	OC	C	8		<0.2	1.4	4	<0.001	<10	<0.5	30	<2	1.64	<0.5	11	102	21	1.02	<10	0.08
94	10368	OC	C	5		0.4	1.32	50	0.027	<10	<0.5	<10	2	14.6	2.2	26	34	667	10.65	<10	0.26
94	10369	RC	G	1		2.4	0.78	206	0.275	<10	<0.5	<10	7	14.4	8.3	18	28	349	>15	<10	0.18
94	10532	OC	RC	15	1	<0.2	2.17	2	0.002	10	<0.5	180	<2	0.85	<0.5	50	536	62	3.72	<10	<0.01
94	10533	OC	C			0.2	1.73	3	0.003	<10	<0.5	90	<2	1.44	<0.5	18	171	132	2.93	10	0.1
95	10380	OC	C	23		0.4	3.74	10	0.013	<10	<0.5	80	<2	1.5	<0.5	58	154	610	7.89	10	0.01
95	10381	OC	S	0.5		1.7	2.36	109	0.055	<10	<0.5	<10	5	0.22	4.6	865	138	2740	>15	<10	0.01
95	10612	OC	SC	40	2.5	<0.2	2.61	<2	<0.001	<10	<0.5	90	<2	1.78	<0.5	21	42	99	3.47	10	0.01
95	10716	OC	C	6	0.5	<0.2	3.68	2	<0.001	<10	<0.5	150	<2	2.32	<0.5	16	54	91	3.06	10	<0.01
96	10819	OC	S			<0.2	2.17	13	<0.001	<10	<0.5	20	<2	1.66	<0.5	14	112	112	3.53	10	<0.01
96	10820	OC	S			0.5	2.21	9	0.004	<10	<0.5	10	<2	5.69	<0.5	140	105	582	5.16	10	0.03
96	10821	OC	S			3.9	4	36	0.016	10	<0.5	<10	<2	6.1	7.8	55	53	1510	2.84	10	0.64
97	10818	OC	G			<0.2	4.19	5	<0.001	<10	<0.5	<10	<2	0.68	<0.5	67	1010	113	4.57	10	0.01
100	10856	RC	Rep			<0.2	2.97	<2	<0.001	<10	<0.5	10	2	1.31	<0.5	88	100	75	5.68	<10	0.02
103	10374	OC	C	5		<0.2	1.9	35	0.006	100	<0.5	30	<2	0.81	<0.5	94	583	169	7.35	<10	0.01
103	10375	OC	S	1		0.2	2.45	7	0.002	<10	<0.5	90	<2	0.37	<0.5	152	424	681	8.91	<10	0.02
103	10376	OC	C	4		<0.2	3.17	5	<0.001	10	<0.5	90	<2	2.28	<0.5	37	369	120	4.39	10	0.19
103	10377	OC	C	5		<0.2	2.1	21	0.004	110	<0.5	10	<2	0.63	<0.5	93	570	83	6.39	<10	0.01
103	10378	OC	C	7		<0.2	3.14	9	<0.001	<10	<0.5	120	<2	3.48	<0.5	35	315	128	5.00	10	0.08
103	10539	OC	C	8		1.7	2.19	4	0.01	100	<0.5	30	<2	0.67	<0.5	91	635	1580	6.72	<10	0.03
103	10540	OC	C	6		<0.2	3.16	5	0.003	40	<0.5	20	<2	0.66	<0.5	55	636	186	4.26	<10	0.07
103	10541	OC	G			0.5	2.83	8	0.008	<10	<0.5	120	<2	0.44	<0.5	22	42	196	6.84	10	0.04
104	10090	RC	G			<0.2	2.15	5	0.003	<10	<0.5	70	<2	0.89	<0.5	24	152	151	2.06	<10	<0.01
104	10094	OC	G			2.1	2.54	5	0.05	140	<0.5	30	2	0.64	<0.5	94	334	2230	6.28	<10	<0.01

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	K pct	La ppm	Mg pct	Mn ppm	Mo ppm	Na pct	Ni ppm	P ppm	Pb ppm	Pd ppm	Pt ppm	S pct	Sb ppm	Sc ppm	Sr ppm	Ti pct	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
84	10390	0.15	10	6.33	620	<1	0.28	664	340	5	0.018	0.022	0.49	<2	4	53	0.07	<10	<10	45	<10	50
84	10391	<0.01	<10	1.37	514	<1	0.03	108	450	15	0.008	0.005	3.09	<2	6	22	0.37	<10	<10	128	<10	76
85	10482	<0.01	<10	0.34	139	<1	0.01	15	520	5	0.017	0.008	0.13	<2	1	66	0.1	<10	<10	18	<10	3
86	10498	0.01	<10	0.4	237	1	0.01	59	440	24	0.004	<0.005	0.43	2	2	41	0.17	<10	<10	25	<10	21
86	10499	0.02	<10	0.21	281	1	0.01	73	190	50	0.001	<0.005	1.40	3	2	18	0.08	<10	<10	17	<10	22
86	10573	0.01	<10	0.83	161	<1	0.01	198	480	2	0.01	0.007	0.11	<2	1	38	0.17	<10	<10	32	<10	22
86	10900	0.01	<10	0.54	251	1	0.03	95	650	17	0.029	<0.005	0.62	<2	3	81	0.15	<10	<10	26	<10	169
87	10481	0.03	10	1.28	326	<1	0.05	7	380	2	0.001	0.005	0.01	<2	4	93	0.13	<10	<10	36	<10	53
87	10722	0.08	<10	4.23	669	1	0.22	395	390	<2	0.007	0.022	0.02	<2	7	45	0.16	<10	<10	64	<10	50
88	10905	<0.01	<10	1.53	370	<1	0.01	517	310	27	0.007	0.016	0.10	7	1	2	0.08	<10	<10	23	<10	55
89	10576	0.02	<10	5.94	244	<1	0.04	1225	150	<2	0.03	0.033	0.54	<2	3	10	0.05	<10	<10	36	<10	26
89	10906	0.01	<10	15	1045	1	<0.01	2190	60	<2	0.056	0.027	0.02	<2	8	45	0.07	<10	<10	35	<10	64
89	10907	0.02	<10	1.22	246	<1	0.13	198	260	4	0.007	0.01	0.76	<2	4	85	0.21	<10	<10	40	<10	41
90	10193	0.01	10	0.1	63	1	<0.01	684	1630	9	0.006	<0.005	>10	<2	1	27	0.04	<10	<10	40	<10	73
90	10194	0.01	<10	0.22	156	6	<0.01	2180	620	7	0.006	<0.005	>10	<2	3	45	0.07	<10	<10	22	<10	132
90	10383	0.01	<10	0.39	607	2	<0.01	107	840	13	0.002	<0.005	2.17	<2	2	6	0.04	<10	<10	62	<10	51
90	10717	0.01	<10	0.74	283	<1	<0.01	231	440	4	0.004	0.006	0.20	3	2	62	0.15	<10	<10	26	<10	146
90	10718	0.07	10	1.66	218	<1	0.07	101	630	4	0.004	<0.005	0.14	<2	4	33	0.26	<10	<10	87	<10	27
91	10382	0.18	10	0.89	196	3	0.08	77	520	2	0.003	<0.005	0.27	<2	12	36	0.34	<10	<10	122	<10	128
91	10613	0.21	10	1.02	338	1	0.07	165	630	6	0.004	<0.005	0.06	<2	8	55	0.3	<10	<10	119	<10	198
91	10614	0.23	<10	1.62	359	<1	0.17	96	480	2	0.006	0.006	0.01	<2	3	242	0.12	<10	<10	58	<10	63
92	10483	<0.01	50	0.08	31	2	<0.01	982	620	7	0.012	0.008	>10	<2	1	9	0.06	10	10	8	<10	18
93	10484	0.04	10	0.64	148	1	0.05	405	2510	<2	0.011	0.007	2.94	<2	4	32	0.17	<10	<10	58	<10	33
94	10367	0.06	<10	0.74	95	<1	0.05	198	1030	<2	0.001	<0.005	0.01	<2	1	30	0.16	<10	<10	27	<10	43
94	10368	<0.01	<10	0.61	710	<1	<0.01	18	540	10	0.002	<0.005	3.41	2	3	133	0.11	<10	<10	38	<10	37
94	10369	<0.01	<10	0.06	1140	3	<0.01	1	250	22	0.003	<0.005	0.13	4	<1	4	0.02	<10	10	19	<10	3
94	10532	0.13	<10	5	332	<1	0.14	743	340	<2	0.008	0.01	0.08	<2	4	107	0.11	<10	<10	56	<10	19
94	10533	0.17	<10	1.05	261	1	0.09	47	480	2	0.003	<0.005	0.30	2	3	91	0.27	<10	<10	69	<10	24
95	10380	0.15	<10	1.38	246	4	0.19	200	390	10	0.023	0.007	1.41	<2	5	247	0.13	<10	<10	93	<10	56
95	10381	0.04	<10	0.5	<5	39	0.02	1720	360	8	0.052	0.047	24.10	<2	4	15	0.06	10	<10	185	<10	46
95	10612	0.16	10	1.32	346	<1	0.15	54	620	6	0.008	0.007	0.07	<2	3	92	0.14	<10	<10	87	<10	60
95	10716	0.14	<10	1.28	236	<1	0.23	54	330	2	0.004	<0.005	0.04	<2	3	561	0.12	<10	<10	56	<10	35
96	10819	0.12	10	0.76	151	1	0.12	42	470	2	<0.001	<0.005	0.94	<2	5	62	0.29	<10	<10	89	10	43
96	10820	0.01	10	0.47	942	1	0.02	136	780	2	0.001	<0.005	3.05	<2	3	14	0.11	<10	<10	39	<10	26
96	10821	<0.01	20	0.08	285	1	0.01	49	1300	44	<0.001	<0.005	2.66	<2	<1	26	0.1	<10	<10	11	<10	1850
97	10818	0.01	<10	5.74	438	1	0.03	1095	380	<2	0.009	0.012	0.31	<2	2	8	0.29	<10	<10	85	<10	63
100	10856	0.06	<10	10.25	738	<1	0.17	966	80	2	0.012	0.02	0.05	2	3	43	0.02	<10	<10	8	<10	39
103	10374	0.05	<10	11.95	794	<1	0.03	1540	140	5	0.025	0.021	0.15	<2	7	20	0.07	<10	<10	51	<10	31
103	10375	0.12	<10	2.99	322	1	0.03	946	330	8	0.03	0.011	3.60	<2	2	13	0.11	<10	<10	62	<10	29
103	10376	0.1	<10	4.1	792	<1	0.06	255	450	4	0.006	0.008	0.04	<2	11	65	0.16	<10	<10	108	<10	36
103	10377	0.02	<10	13.45	635	1	0.02	1460	150	4	0.018	0.022	0.05	<2	8	16	0.06	<10	<10	61	<10	23
103	10378	0.14	<10	3.07	810	<1	0.04	149	470	3	0.006	0.01	0.21	2	15	85	0.15	<10	<10	135	<10	47
103	10539	0.08	<10	11.75	815	<1	0.04	1435	190	4	0.018	0.02	0.31	<2	9	20	0.08	<10	<10	58	<10	35
103	10540	0.05	<10	7.53	785	<1	0.07	784	320	<2	0.012	0.01	0.06	<2	7	18	0.11	<10	<10	71	<10	28
103	10541	0.2	<10	1.21	1885	2	0.06	6	500	7	<0.001	0.005	1.15	<2	11	20	0.18	<10	<10	106	<10	128
104	10090	0.06	<10	2.49	295	1	0.05	200	280	2	0.014	<0.005	0.02	<2	5	67	0.1	<10	<10	43	<10	24
104	10094	0.03	<10	9.11	539	1	0.02	2110	180	8	0.319	0.222	0.41	2	4	25	0.06	<10	<10	33	<10	31

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	Site	Method	Size (ft)	Int.	Ag ppm	Al pct	As ppm	Au ppm	B ppm	Be ppm	Ba ppm	Bi ppm	Ca pct	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe pct	Ga ppm	Hg ppm
104	10095	OC	G			0.4	0.51	6	0.015	60	<0.5	20	<2	0.33	1	122	638	545	7.16	<10	<0.01
104	10607	TP	SC	1.5		1.1	1.66	2	0.028	10	<0.5	50	<2	0.5	<0.5	107	194	856	7.94	<10	<0.01
104	10608	TP	SC			1.3	1.52	2	0.046	10	<0.5	60	<2	0.45	<0.5	112	244	1375	7.86	<10	<0.01
104	10609	TP	SC	3		0.9	1.38	2	0.034	10	<0.5	40	<2	0.45	<0.5	107	193	1005	7.77	<10	<0.01
104	10610	TP	SC	2		0.7	1.78	5	0.02	30	<0.5	30	<2	0.96	<0.5	91	323	656	7.05	<10	<0.01
104	10611	TP	SC	2		0.9	1.64	3	0.038	10	<0.5	50	<2	0.56	<0.5	101	218	988	7.55	<10	<0.01
104	10710	TP	Rep			2.3	1.64	3	0.08	40	<0.5	60	<2	4.37	<0.5	127	377	2270	9.22	<10	<0.01
105	10394	RC	C	2		9.7	1.98	40	0.036	<10	<0.5	20	7	0.08	<0.5	15	41	2670	7.90	10	0.04
107	10086	RC	G			1.8	0.51	<2	0.144	<10	<0.5	20	<2	0.21	<0.5	80	620	2330	3.90	<10	0.01
107	10606	OC	Rep	30		0.7	0.83	<2	0.022	10	<0.5	10	<2	0.21	<0.5	110	288	603	7.>15	<10	0.01
107	10708	OC	SC	21	1	0.5	0.92	2	0.035	10	<0.5	10	<2	0.27	<0.5	115	212	798	7.17	<10	<0.01
107	10709	OC	S			0.4	1.18	4	0.068	10	<0.5	10	2	0.34	<0.5	103	736	1060	5.10	<10	0.01
108	10084	TP	S			6.1	2.27	7	0.451	<10	<0.5	40	<2	0.38	<0.5	87	809	9700	9.91	<10	0.02
108	10085	MD	S			9.0	2.67	4	0.359	<10	<0.5	100	<2	1.48	5.1	216	126	4.12%	6.62	<10	0.05
108	10703	TP	S			51.1	0.07	8	2.2	<10	<0.5	<10	9	0.03	18.8	1520	74	4.31%	>15	<10	0.37
108	10704	TP	S			1.0	0.21	2	0.014	<10	<0.5	<10	<2	0.32	<0.5	195	328	1350	8.49	<10	0.1
108	10705	TP	SC	6		3.8	2.29	3	0.296	<10	<0.5	40	<2	0.32	<0.5	124	737	5260	10.50	<10	0.02
109	10605	OC	RC	50		<0.2	3.03	4	0.003	<10	<0.5	30	<2	2.18	<0.5	22	52	212	3.20	10	0.01
109	10706	OC	G			0.2	2.38	2	0.003	<10	<0.5	190	<2	0.55	<0.5	12	16	273	4.46	10	0.37
109	10707	RC	G			<0.2	3.1	5	<0.001	<10	<0.5	10	<2	0.4	<0.5	62	812	135	4.95	<10	0.02
110	10622	RC	SC	5		<0.2	1.99	10	<0.001	<10	<0.5	170	<2	5.71	<0.5	7	27	50	2.48	10	0.02
111	10556	FL	G			0.4	0.79	5	0.002	<10	<0.5	110	<2	0.14	<0.5	6	66	1495	1.39	<10	0.02
111	10623	RC	SC	15		<0.2	0.73	2	<0.001	<10	<0.5	40	<2	1.71	<0.5	5	80	15	1.19	<10	<0.01
112	10370	OC	C	0.5		0.6	1.3	6	0.004	<10	<0.5	50	<2	0.44	<0.5	19	38	898	5.94	<10	0.12
112	10536	OC	C	0.6		0.2	2.93	3	0.004	<10	<0.5	20	<2	0.76	<0.5	14	38	77	6.48	10	0.04
113	10371	OC	G			0.7	1.48	9	0.004	<10	<0.5	30	<2	0.46	<0.5	27	47	1150	7.72	<10	0.18
114	10372	RC	S			0.2	5.58	7	0.002	<10	<0.5	50	5	5.77	0.6	111	415	1.13%	6.79	10	0.01
114	10537	RC	S			<0.2	1.54	<2	0.005	<10	<0.5	1100	<2	0.49	1.8	8	38	6250	1.95	<10	0.12
115	10538	RC	S			95.0	0.38	15	0.044	<10	<0.5	20	30	0.02	1.5	25	60	10.95%	>15	<10	0.45
116	10624	OC	RC			<0.2	1.56	135	0.004	10	<0.5	2020	<2	3.41	1.1	9	64	92	3.47	<10	0.03
116	10625	OC	RC			<0.2	0.36	4	<0.001	<10	<0.5	30	<2	0.22	<0.5	3	130	261	0.73	<10	<0.01
117	10557	FL	S			<0.2	3.04	23	<0.001	10	<0.5	130	<2	1.86	<0.5	18	28	96	5.26	10	0.01
118	10373	OC	G	1		<0.2	2.21	4	0.042	<10	<0.5	150	<2	0.72	<0.5	14	39	83	4.62	10	0.01
121	10822	OC	G			0.2	7.42	45	<0.001	10	0.8	20	<2	9.07	<0.5	10	81	57	1.98	20	0.05
122	10823	RC	S			<0.2	3.06	61	<0.001	10	<0.5	30	<2	9.54	<0.5	7	29	44	7.59	10	0.03
125	10231	OC	Rep			<0.2	2.69	<2	0.008	10	<0.5	30	<2	2.14	<0.5	23	33	495	5.19	10	0.01
125	10232	OC	G			<0.2	5.45	4	0.013	10	<0.5	90	<2	3.69	<0.5	27	41	486	6.10	10	0.04
125	10808	OC	G			<0.2	3.97	4	0.022	<10	<0.5	70	<2	3.59	<0.5	28	65	221	7.35	10	0.01
125	10809	OC	Rep			<0.2	0.73	<2	<0.001	<10	<0.5	20	<2	1.06	<0.5	49	72	71	>15	10	0.01
126	10810	OC	G			<0.2	0.7	<2	<0.001	<10	<0.5	20	<2	1.12	<0.5	46	21	30	12.00	10	0.01
127	10851	OC	Rep			<0.2	2.42	<2	0.004	<10	<0.5	40	<2	2.44	<0.5	12	29	104	2.56	10	0.13
128	10395	RC	Rep	5		<0.2	1.57	36	<0.001	<10	0.7	30	2	1.13	<0.5	7	23	25	>15	30	0.01
129	10852	OC	Rep	8		<0.2	1.43	<2	0.015	<10	<0.5	70	<2	1.62	<0.5	14	23	217	4.17	10	0.07
130	10479	OC	G	1		<0.2	0.89	2	<0.001	<10	<0.5	30	<2	1.28	<0.5	31	43	154	8.76	10	<0.01
131	10480	RC	G			<0.2	0.64	2	<0.001	<10	<0.5	30	<2	0.74	<0.5	5	28	52	2.41	<10	0.01
133	10619	TP	G	1		<0.2	0.94	4	<0.001	10	<0.5	310	<2	1.12	<0.5	4	20	19	1.10	<10	<0.01
137	10831	RC	S			0.3	2.12	157	<0.001	<10	<0.5	150	<2	1.28	<0.5	42	64	1230	4.03	10	0.27

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	K pct	La ppm	Mg pct	Mn ppm	Mo ppm	Na pct	Ni ppm	P ppm	Pb ppm	Pd ppm	Pt ppm	S pct	Sb ppm	Sc ppm	Sr ppm	Ti pct	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
104	10095	0.01	<10	15	538	<1	<0.01	2290	50	7	0.069	0.067	0.22	<2	6	7	0.02	<10	<10	17	<10	18
104	10607	0.05	<10	12.2	1120	<1	0.03	1750	80	6	0.126	0.091	0.31	<2	3	24	0.04	<10	<10	18	<10	57
104	10608	0.05	<10	11.4	1050	1	0.04	2140	100	9	0.196	0.136	0.47	<2	3	19	0.04	<10	<10	23	<10	54
104	10609	0.05	<10	11.95	1070	<1	0.03	1865	70	6	0.152	0.1	0.37	<2	4	22	0.03	<10	<10	19	<10	53
104	10610	0.09	<10	10.8	925	<1	0.04	1505	120	5	0.106	0.087	0.21	<2	4	23	0.05	<10	<10	27	<10	47
104	10611	0.05	<10	10.75	1020	1	0.03	1835	100	6	0.146	0.111	0.35	<2	3	22	0.04	<10	<10	21	<10	54
104	10710	0.12	<10	8.16	1105	1	0.07	2970	150	12	0.373	0.248	1.00	<2	5	128	0.09	<10	<10	44	<10	71
105	10394	0.24	<10	1.32	919	31	0.01	6	220	29	0.001	<0.005	2.20	<2	5	8	0.05	<10	<10	68	<10	112
107	10086	0.05	<10	2.76	402	<1	0.02	3600	80	3	0.28	0.259	1.05	<2	6	8	0.05	<10	<10	44	<10	28
107	10606	0.01	<10	15	1065	<1	0.01	2310	30	4	0.07	0.076	0.14	<2	5	6	0.02	<10	<10	11	<10	37
107	10708	0.01	<10	15	1030	<1	0.01	3140	40	8	0.132	0.102	0.35	<2	4	11	0.03	<10	<10	10	<10	32
107	10709	0.01	<10	10.35	626	<1	0.02	2990	170	5	0.231	0.19	0.32	<2	5	8	0.06	<10	<10	40	<10	26
108	10084	0.07	<10	6.19	576	1	0.07	4240	170	10	0.861	1.005	0.55	<2	5	31	0.06	<10	<10	66	<10	47
108	10085	0.23	<10	1.18	466	<1	0.27	1.67%	240	19	0.902	1.165	3.31	2	8	442	0.13	<10	<10	125	10	37
108	10703	<0.01	<10	0.57	174	1	0.01	10.45%	10	87	12.65	12.85	28.20	<2	<1	14	0.01	10	10	9	10	18
108	10704	<0.01	<10	15	1070	<1	<0.01	6250	40	9	0.281	0.12	0.68	<2	5	7	0.01	<10	<10	9	<10	29
108	10705	0.06	<10	7.3	668	1	0.05	5850	150	9	0.88	0.874	0.16	2	5	7	0.06	<10	<10	56	<10	52
109	10605	0.05	<10	1.46	409	<1	0.09	79	430	2	0.01	0.01	<0.01	<2	3	46	0.14	<10	<10	86	<10	32
109	10706	0.41	<10	1.06	1235	1	0.09	200	90	4	0.012	0.02	0.16	<2	7	29	0.08	<10	<10	41	<10	237
109	10707	0.03	<10	6.27	375	<1	0.03	926	60	2	0.009	0.007	0.08	<2	3	5	0.07	<10	<10	54	<10	25
110	10622	0.02	10	1.44	934	<1	0.06	10	500	5	<0.001	0.005	0.05	2	7	93	0.21	<10	<10	45	<10	77
111	10556	0.01	<10	0.88	414	1	0.02	12	150	<2	<0.001	<0.005	0.13	<2	3	8	0.02	<10	<10	21	<10	47
111	10623	0.03	<10	0.71	418	1	0.04	33	120	<2	0.001	0.007	0.01	<2	3	27	0.01	<10	<10	26	<10	24
112	10370	0.05	<10	0.88	567	5	0.02	3	160	<2	0.001	<0.005	2.73	<2	4	36	0.14	<10	<10	43	<10	46
112	10536	0.02	<10	1.66	1120	6	<0.01	3	30	5	0.001	<0.005	0.53	<2	2	86	0.05	<10	<10	31	<10	72
113	10371	0.06	<10	0.92	631	7	0.02	2	200	2	0.001	<0.005	4.12	2	5	42	0.15	<10	<10	51	<10	51
114	10372	0.04	10	4.55	3600	<1	0.04	152	500	12	0.008	0.013	0.10	3	24	26	0.22	<10	<10	215	<10	273
114	10537	0.2	20	1	915	1	0.03	2	170	78	<0.001	<0.005	0.11	<2	2	36	<0.01	<10	<10	11	<10	260
115	10538	0.01	<10	0.22	249	1	<0.01	2	30	18	0.001	<0.005	7.94	4	1	6	<0.01	<10	<10	6	20	88
116	10624	0.04	<10	0.94	511	6	0.03	13	290	608	0.003	<0.005	0.17	<2	9	106	0.02	<10	<10	63	<10	174
116	10625	0.01	<10	0.26	156	1	0.02	5	50	2	<0.001	<0.005	0.04	<2	2	15	0.02	<10	<10	14	<10	12
117	10557	0.2	10	1.73	930	1	0.06	8	660	9	<0.001	<0.005	1.09	2	11	20	0.22	<10	<10	104	<10	83
118	10373	0.32	<10	1.47	573	1	0.05	6	390	3	0.001	<0.005	0.01	3	6	43	0.17	<10	<10	73	<10	76
121	10822	<0.01	10	0.49	412	<1	0.01	17	680	8	0.001	0.006	0.28	<2	9	27	0.24	<10	<10	69	<10	64
122	10823	0.04	40	1.48	1350	1	0.01	38	10000	10	0.001	0.009	4.11	2	7	761	0.01	<10	<10	54	<10	136
125	10231	0.11	<10	0.5	232	<1	0.12	20	170	<2	0.018	<0.005	0.14	<2	3	258	0.09	<10	<10	282	<10	25
125	10232	0.24	<10	0.88	247	<1	0.24	24	220	<2	0.013	<0.005	0.14	<2	4	503	0.15	<10	<10	327	<10	27
125	10808	0.26	10	1.71	572	<1	0.36	23	3080	3	0.025	0.005	0.05	<2	11	424	0.26	<10	<10	333	<10	50
125	10809	0.09	<10	0.86	466	1	0.07	44	140	3	0.029	<0.005	0.02	<2	8	19	0.2	<10	<10	797	<10	35
126	10810	0.05	<10	0.96	498	<1	0.06	58	190	2	0.014	<0.005	0.01	<2	12	36	0.22	<10	<10	579	<10	37
127	10851	0.16	<10	1.1	367	<1	0.33	48	630	<2	0.014	0.008	0.03	<2	7	59	0.37	<10	<10	116	<10	33
128	10395	0.02	10	0.34	1390	<1	0.01	9	90	11	0.003	<0.005	0.02	<2	4	4	0.03	10	<10	90	20	71
129	10852	0.27	10	0.73	450	1	0.1	9	1820	8	0.021	0.016	0.01	2	4	101	0.2	<10	<10	184	<10	35
130	10479	0.09	<10	1.03	487	1	0.11	41	110	2	0.008	0.006	0.01	<2	13	45	0.27	<10	<10	451	<10	33
131	10480	0.08	10	0.25	378	<1	0.12	5	1140	<2	0.001	0.005	<0.01	<2	2	56	0.09	<10	<10	94	<10	23
133	10619	0.36	20	0.3	238	<1	0.13	4	310	12	<0.001	<0.005	0.03	<2	3	53	0.09	<10	<10	14	<10	33
137	10831	0.2	<10	0.76	347	1	0.18	16	320	2	0.002	0.006	1.81	2	8	29	0.12	<10	<10	67	10	32

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	Site	Method	Size (ft)	Int.	Ag ppm	Al pct	As ppm	Au ppm	B ppm	Be ppm	Ba ppm	Bi ppm	Ca pct	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe pct	Ga ppm	Hg ppm
138	10826	RC	S			<0.2	1.77	5	<0.001	<10	<0.5	10	<2	1.4	<0.5	10	53	957	1.89	<10	0.02
139	10827	OC	S			<0.2	0.13	13	<0.001	<10	<0.5	10	<2	0.08	<0.5	16	142	192	1.57	<10	0.1
140	10235	FL	S			<0.2	1.51	7	0.051	10	<0.5	40	<2	0.42	<0.5	74	616	408	5.16	<10	0.02
140	10824	OC	S			29.7	1.5	6	0.043	10	<0.5	160	<2	2.06	<0.5	65	12	5210	7.>15	10	4.12
140	10825	OC	G			0.5	2.03	<2	0.006	10	<0.5	90	<2	1.04	<0.5	71	313	262	5.02	<10	0.09
141	10828	OC	G			<0.2	2.18	4	<0.001	<10	<0.5	120	<2	0.72	<0.5	19	61	82	2.88	<10	0.07
142	10829	RC	S			0.6	1.76	6	0.117	30	<0.5	80	<2	1.04	<0.5	77	458	1500	4.91	<10	0.06
142	10830	OC	Rep			0.2	1.62	4	0.012	60	<0.5	80	<2	0.88	<0.5	84	436	330	5.35	<10	0.11
143	10236	OC	G			<0.2	2.24	2	0.008	<10	<0.5	20	<2	0.93	<0.5	27	29	1115	5.32	10	0.08
143	10237	OC	G			2.7	2.78	46	1.78	<10	<0.5	30	<2	1.04	1	44	40	4500	3.24	10	0.11
144	10398	OC	G	1		<0.2	2.2	9	0.002	<10	<0.5	80	<2	1.22	<0.5	17	28	84	3.59	10	0.02
145	10891	RC	G			<0.2	2.09	<2	0.005	<10	<0.5	70	<2	2.95	<0.5	26	69	198	7.55	10	0.21
145	10913	RC	G			<0.2	1.05	4	0.021	<10	<0.5	20	<2	1.39	<0.5	53	138	350	>15	10	0.02
146	10243	OC	G			<0.2	2.28	<2	<0.001	<10	<0.5	120	<2	1.98	<0.5	49	85	385	5.79	10	0.43
146	10244	RC	G			<0.2	0.26	<2	<0.001	10	<0.5	10	<2	1.02	<0.5	17	146	20	1.41	<10	0.09
146	10846	OC	G			<0.2	2.59	32	0.003	10	<0.5	20	<2	2.51	<0.5	58	82	517	7.59	10	0.62
146	10847	OC	G			<0.2	1.42	6	0.002	<10	<0.5	10	<2	1.96	<0.5	61	55	740	7.26	10	0.58
146	10848	OC	G			<0.2	0.66	<2	<0.001	<10	<0.5	30	<2	0.92	0.5	54	26	157	>15	10	0.1
146	10869	OC	S			3.9	0.16	<2	0.029	20	<0.5	10	<2	0.62	<0.5	29	128	7570	2.26	<10	0.96
146	10870	OC	C	5.3		1.1	0.13	3	0.017	10	<0.5	10	<2	0.58	<0.5	29	131	3320	2.06	<10	0.51
146	10871	OC	S			2.3	0.1	2	0.016	<10	<0.5	<10	2	0.65	<0.5	10	114	5920	0.91	<10	1.14
146	10872	OC	G			<0.2	5.1	<2	<0.001	40	<0.5	220	<2	12.5	<0.5	27	12	175	4.21	10	0.06
147	10877	RC	S			0.4	1.82	100	0.038	10	<0.5	10	<2	0.54	<0.5	165	26	852	>15	10	0.42
148	10873	OC	G			0.2	0.25	<2	0.004	20	<0.5	10	<2	0.49	<0.5	130	383	1360	6.31	<10	0.33
148	10874	RC	S			0.2	0.55	<2	0.004	<10	<0.5	20	<2	0.84	<0.5	64	273	412	11.55	10	0.3
149	10878	RC	G			0.5	2.55	<2	0.006	<10	<0.5	50	<2	3.38	<0.5	27	32	182	3.93	10	0.14
150	10875	OC	Rep			<0.2	1.04	<2	<0.001	<10	<0.5	20	<2	2.35	<0.5	24	12	28	5.87	<10	0.05
150	10876	OC	S			1.4	0.24	3	0.013	<10	<0.5	10	<2	0.28	<0.5	87	36	997	>15	<10	1.26
150	10879	RC	G			<0.2	0.22	<2	<0.001	10	<0.5	100	2	1.04	<0.5	4	24	18	0.71	<10	0.31
150	10880	RC	Rep			<0.2	2.2	3	<0.001	<10	<0.5	260	<2	1.31	<0.5	41	32	10	9.41	10	0.02
151	10711	OC	S	1		<0.2	4.83	2	0.018	<10	<0.5	110	<2	2.92	<0.5	62	61	2020	11.35	20	<0.01
157	10493	FL	S			2.1	2	8	0.023	<10	<0.5	90	<2	0.5	<0.5	7	32	4980	2.89	10	0.06
159	10497	OC	C	7		1.7	2.74	48	0.006	<10	0.8	140	4	2.53	0.8	49	29	261	>15	20	0.09
160	10495	OC	C	5		104.0	2.51	253	0.096	<10	<0.5	70	<2	1.74	3.9	18	28	181	6.16	10	0.68
160	10496	OC	C	3		62.2	2.96	79	0.256	<10	<0.5	30	<2	0.16	0.8	22	31	187	12.55	10	0.1
161	10494	FL	S			1.7	0.94	20	0.03	<10	<0.5	60	<2	0.41	<0.5	12	27	3110	2.58	<10	0.04
162	10910	RC	G			<0.2	2.3	5	<0.001	<10	<0.5	100	<2	1.36	<0.5	18	79	146	4.34	10	0.01
163	10909	OC	Rep	3		<0.2	1.3	6	<0.001	10	<0.5	30	<2	0.84	<0.5	9	52	95	3.20	10	0.14
164	10911	RC	G	1		0.2	2.95	7	0.01	10	<0.5	20	<2	3.17	<0.5	26	52	313	4.54	10	0.31
165	10492	OC	C	10		<0.2	2.28	8	0.34	<10	<0.5	30	<2	1.81	<0.5	18	39	135	2.75	10	0.02
167	10912	OC	Rep	20		0.8	1.88	60	0.003	<10	<0.5	200	2	0.25	0.7	3	28	92	10.25	<10	0.16
168	10837	OC	C	2		<0.2	0.49	<2	<0.001	<10	0.7	60	<2	3.98	<0.5	4	24	46	0.49	<10	0.02
168	10838	FL	S			2.1	0.22	<2	0.348	<10	<0.5	<10	<2	0.84	<0.5	29	204	3870	2.47	<10	0.24
169	10240	RC	G			0.2	0.57	3	0.01	10	<0.5	<10	<2	0.34	<0.5	89	578	128	11.50	<10	0.03
169	10839	OC	G			<0.2	0.33	<2	0.004	<10	<0.5	<10	<2	0.81	<0.5	21	433	150	2.63	<10	0.06
169	10840	RC	Rep			2.8	1.32	11	0.018	<10	<0.5	140	<2	1.56	1.5	26	18	4600	2.30	<10	1.49
169	10841	RC	G			1.1	0.93	6	0.058	<10	<0.5	<10	<2	1.56	4.5	64	224	1.80%	2.52	<10	0.29

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	K pct	La ppm	Mg pct	Mn ppm	Mo ppm	Na pct	Ni ppm	P ppm	Pb ppm	Pd ppm	Pt ppm	S pct	Sb ppm	Sc ppm	Sr ppm	Ti pct	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
138	10826	<0.01	<10	0.99	357	<1	<0.01	10	640	<2	<0.001	<0.005	0.07	<2	4	87	0.12	<10	<10	49	<10	32
139	10827	0.01	<10	0.06	55	2	0.02	6	50	3	<0.001	<0.005	0.48	<2	1	5	0.02	<10	<10	6	<10	4
140	10235	0.06	<10	8.02	535	1	0.06	1185	280	2	0.043	0.044	0.16	<2	4	25	0.06	<10	<10	41	<10	22
140	10824	0.12	<10	0.3	680	2	0.01	16	550	5	0.001	<0.005	2.25	<2	15	20	<0.01	<10	<10	43	<10	130
140	10825	0.19	<10	8.49	636	1	0.2	1050	350	<2	0.024	0.019	0.13	<2	4	71	0.1	<10	<10	36	<10	22
141	10828	0.13	<10	1.84	395	<1	0.05	17	120	<2	0.006	0.009	1.64	<2	5	27	0.08	<10	<10	65	<10	27
142	10829	0.16	<10	6.13	506	1	0.17	1880	340	<2	0.414	0.409	0.69	2	7	40	0.15	<10	<10	69	<10	22
142	10830	0.16	<10	10.1	685	<1	0.19	1500	320	<2	0.056	0.05	0.20	<2	5	45	0.13	<10	<10	42	<10	21
143	10236	0.03	<10	1.5	545	<1	0.07	14	730	<2	0.009	0.009	0.29	<2	8	51	0.16	<10	<10	209	<10	64
143	10237	0.04	<10	2.33	416	<1	0.05	571	250	<2	0.052	0.03	0.23	23	5	63	0.15	<10	<10	69	<10	38
144	10398	0.04	<10	1.66	758	<1	0.05	11	540	<2	0.003	<0.005	0.01	<2	12	53	0.16	<10	<10	106	<10	59
145	10891	0.24	10	1.4	506	<1	0.13	37	4130	<2	0.009	<0.005	0.10	<2	4	143	0.35	<10	<10	492	<10	66
145	10913	0.09	<10	1.35	527	1	0.08	142	290	<2	0.152	0.047	0.06	<2	12	61	0.27	<10	<10	1030	<10	24
146	10243	0.29	<10	1.68	427	<1	0.37	105	450	2	0.007	0.006	1.74	<2	14	41	0.21	<10	<10	169	<10	55
146	10244	0.04	<10	2.12	171	<1	0.02	62	70	<2	0.008	0.021	0.03	<2	5	14	0.03	<10	<10	18	<10	9
146	10846	0.13	<10	2.25	621	<1	0.42	97	1010	3	0.037	0.017	2.65	8	19	88	0.41	<10	<10	214	<10	53
146	10847	0.07	<10	1.02	401	<1	0.16	56	2220	3	0.021	0.009	1.40	<2	11	48	0.18	<10	<10	304	<10	50
146	10848	0.06	<10	1.02	322	<1	0.03	67	70	3	0.026	0.016	0.05	<2	14	17	0.35	<10	<10	976	<10	20
146	10869	0.01	<10	3.3	291	1	0.01	302	70	<2	0.363	0.071	0.34	<2	6	5	0.02	<10	<10	15	<10	11
146	10870	0.01	<10	2.06	219	3	0.01	379	50	5	0.258	0.068	0.31	<2	4	5	0.01	<10	<10	12	<10	16
146	10871	<0.01	<10	0.79	76	1	0.01	149	50	4	0.178	0.039	0.25	<2	4	7	0.01	<10	<10	14	<10	8
146	10872	0.34	10	2.91	764	<1	0.73	16	2080	6	0.007	<0.005	0.60	<2	10	528	0.17	<10	<10	171	<10	40
147	10877	0.05	<10	0.78	235	19	0.03	162	460	3	0.038	0.008	10.50	12	2	23	0.1	<10	<10	36	<10	29
148	10873	0.01	<10	2.57	365	2	0.02	460	50	<2	0.033	0.024	1.97	<2	5	10	0.04	<10	<10	102	<10	28
148	10874	0.03	<10	0.68	225	1	0.05	66	200	<2	0.092	0.059	0.80	<2	9	21	0.24	<10	<10	798	<10	29
149	10878	0.08	10	0.46	211	30	0.03	36	2200	5	0.01	0.009	2.72	<2	4	36	0.15	<10	<10	60	<10	29
150	10875	0.05	<10	1.28	279	53	0.05	30	100	2	0.008	0.005	0.13	<2	8	49	0.43	<10	<10	221	<10	23
150	10876	0.07	<10	0.15	52	2890	0.01	63	20	4	0.136	0.058	25.90	<2	<1	76	0.15	<10	<10	49	<10	17
150	10879	0.16	10	0.15	52	1	0.06	3	70	2	0.001	0.005	0.03	<2	<1	25	0.06	<10	<10	28	<10	3
150	10880	1.31	<10	2.73	367	3	0.11	63	110	2	0.012	0.007	0.02	<2	15	51	0.36	<10	<10	378	<10	23
151	10711	0.29	10	0.78	304	<1	0.36	168	1780	6	0.025	<0.005	0.27	<2	6	582	0.25	<10	<10	663	<10	57
157	10493	0.02	<10	2.06	807	<1	0.03	6	220	2	<0.001	<0.005	0.35	2	5	43	0.1	<10	<10	42	<10	73
159	10497	0.49	20	0.48	4820	10	0.26	4	320	45	<0.001	<0.005	0.87	<2	4	43	0.11	10	<10	54	<10	300
160	10495	0.34	10	0.72	2370	5	0.06	10	870	2390	0.001	<0.005	3.47	76	11	16	0.15	<10	<10	105	10	491
160	10496	0.53	10	1.63	3600	12	0.02	20	650	3090	<0.001	<0.005	7.42	15	16	10	0.13	<10	<10	125	<10	331
161	10494	0.18	<10	0.24	262	1	0.05	3	230	5	0.001	<0.005	0.01	2	2	6	<0.01	<10	<10	36	230	18
162	10910	0.64	10	0.76	244	1	0.34	14	1570	3	0.006	0.009	0.04	<2	3	132	0.27	<10	<10	255	<10	27
163	10909	0.5	20	0.64	545	3	0.11	7	1540	6	0.001	<0.005	0.08	<2	5	43	0.15	<10	<10	56	<10	52
164	10911	0.09	<10	0.25	301	3	0.19	28	360	<2	0.001	<0.005	2.03	<2	5	27	0.15	<10	<10	63	10	24
165	10492	0.1	<10	0.69	274	<1	0.22	22	320	<2	<0.001	<0.005	0.47	<2	7	30	0.23	<10	<10	78	40	20
167	10912	0.13	10	0.52	467	2	0.03	11	880	5	0.005	<0.005	0.28	2	6	14	<0.01	<10	<10	55	<10	154
168	10837	0.29	10	1.23	95	<1	0.91	36	20	4	0.001	<0.005	<0.01	<2	<1	47	0.02	<10	<10	1	<10	5
168	10838	0.02	<10	2.59	320	<1	0.03	226	50	3	0.462	0.326	0.28	<2	8	10	0.03	<10	<10	35	<10	15
169	10240	0.01	<10	5.64	1010	1	0.01	188	50	<2	0.005	0.01	0.02	<2	9	7	0.27	<10	<10	551	<10	46
169	10839	0.02	<10	2.04	321	<1	0.03	66	30	<2	0.015	0.014	0.02	<2	8	14	0.07	<10	<10	85	<10	16
169	10840	0.38	10	0.7	282	<1	0.11	15	1160	7	0.009	0.011	0.37	<2	4	83	0.14	<10	<10	43	<10	91
169	10841	0.04	<10	1.23	449	<1	0.04	38	110	3	0.125	0.048	0.10	<2	11	31	0.24	<10	<10	107	<10	223

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	Site	Method	Size (ft)	Int.	Ag ppm	Al pct	As ppm	Au ppm	B ppm	Be ppm	Ba ppm	Bi ppm	Ca pct	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe pct	Ga ppm	Hg ppm
170	10241	OC	G	2		<0.2	1.97	3	0.032	<10	<0.5	20	<2	1.46	<0.5	188	208	1990	>15	10	0.18
170	10242	OC	G			<0.2	2.46	5	0.006	<10	<0.5	20	<2	1.62	<0.5	80	203	736	13.05	10	0.08
170	10842	OC	SC	36	3	<0.2	4.66	<2	<0.001	<10	<0.5	20	<2	3.26	<0.5	19	34	120	1.22	10	0.13
170	10843	OC	SC	54	3	<0.2	2.38	2	2.7	<10	<0.5	20	2	1.87	<0.5	81	206	837	12.15	10	0.08
170	10844	OC	SC	14	1	<0.2	2.29	<2	0.004	<10	<0.5	20	<2	1.7	<0.5	40	79	497	5.43	10	0.04
171	10845	OC	Rep			<0.2	0.45	<2	0.003	<10	<0.5	<10	<2	0.69	<0.5	49	148	91	12.50	10	0.07
173	10563	RC	RC	220		1.2	2.25	33	<0.001	<10	<0.5	50	<2	0.47	<0.5	34	33	1465	9.93	10	0.04
173	10632	RC	Rep	25		0.5	2.03	54	0.006	<10	<0.5	430	<2	0.19	<0.5	3	21	461	7.57	10	0.03
173	10633	FL	G			0.2	2.27	5	<0.001	<10	<0.5	90	<2	1.4	<0.5	17	21	1010	4.80	10	0.03
174	10561	FL	S			0.6	0.51	146	0.002	<10	<0.5	110	2	0.08	<0.5	3	17	490	>15	10	0.08
174	10562	FL	S			0.8	3.56	10	<0.001	<10	<0.5	110	<2	0.03	<0.5	40	27	660	11.65	10	0.03
174	10631	RC	S			0.2	0.99	40	0.007	<10	<0.5	140	<2	0.16	<0.5	8	50	68	4.06	<10	1.35
175	10558	RC	S			0.9	3.21	5	<0.001	<10	<0.5	10	<2	2.02	<0.5	16	14	1.81%	5.88	10	0.01
175	10559	FL	RC			12.0	7.16	5	0.033	<10	<0.5	<10	<2	0.6	<0.5	38	20	1.20%	>15	20	0.03
175	10629	RC	RC	5		0.2	4.01	5	0.002	<10	<0.5	140	<2	0.15	<0.5	8	20	158	6.64	10	<0.01
175	10630	FL	RC			11.2	7.38	3	0.032	<10	<0.5	110	<2	1.64	<0.5	31	32	5350	12.30	10	0.02
176	10560	FL	G			0.3	4.06	6	0.007	<10	<0.5	40	<2	2.36	<0.5	29	12	414	6.47	10	<0.01
177	10233	OC	RC			<0.2	2.86	4	0.004	10	<0.5	70	<2	3.01	<0.5	17	11	301	4.20	10	0.17
177	10816	OC	Rep			<0.2	2.81	2	0.002	<10	<0.5	20	<2	1.98	<0.5	38	314	88	3.82	10	0.01
177	10817	OC	S			<0.2	1.48	3	0.003	<10	<0.5	20	<2	1.8	<0.5	51	106	434	6.74	10	0.07
178	10813	OC	Rep			<0.2	2.07	5	0.003	10	<0.5	30	<2	1.47	<0.5	19	73	71	4.14	10	0.03
178	10814	OC	Rep			<0.2	2.65	9	<0.001	<10	<0.5	10	<2	1.82	<0.5	53	525	126	3.49	<10	0.32
178	10815	RC	G			<0.2	2.87	5	0.002	<10	<0.5	20	<2	3.63	<0.5	35	39	158	4.90	10	0.81
179	10812	OC	S			<0.2	3.68	10	<0.001	10	<0.5	170	<2	0.75	<0.5	14	46	84	5.49	10	0.91
180	10723	RC	G			<0.2	0.2	3	<0.001	<10	<0.5	30	<2	0.53	1.1	3	106	156	0.90	<10	0.04
180	10724	OC	G			1.4	0.96	12	0.007	<10	<0.5	190	<2	0.3	<0.5	2	83	32	2.62	<10	0.48
181	10490	OC	S	0.2		1.3	2.82	4	0.007	10	<0.5	10	<2	7.96	<0.5	16	57	3280	2.91	20	0.05
181	10491	RC	S	0.5		1.5	2.87	2	0.364	<10	<0.5	10	<2	3.35	<0.5	25	67	2170	3.51	10	0.05
183	10488	RC	G	1		1.1	1.29	<2	0.003	<10	<0.5	50	<2	6.62	<0.5	6	8	2470	>15	<10	0.35
183	10489	OC	SC	20	1	3.3	2.05	7	0.002	<10	0.6	10	<2	1.68	1.7	16	51	3770	11.70	<10	0.15
185	10246	OC	G	6		<0.2	1.52	6	0.004	<10	<0.5	50	<2	0.05	<0.5	7	25	29	4.82	<10	0.06

Table 3. Analytical results for rock chip samples - partial digestion

Map no.	Sample no.	K pct	La ppm	Mg pct	Mn ppm	Mo ppm	Na pct	Ni ppm	P ppm	Pb ppm	Pd ppm	Pt ppm	S pct	Sb ppm	Sc ppm	Sr ppm	Ti pct	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
170	10241	0.11	<10	1.53	301	<1	0.16	67	100	5	0.027	0.025	4.76	<2	17	87	0.3	<10	<10	685	<10	48
170	10242	0.19	<10	1.76	414	<1	0.17	35	340	<2	0.017	0.018	2.42	<2	15	112	0.23	<10	<10	561	<10	38
170	10842	0.02	<10	1	157	<1	0.36	76	20	<2	0.002	<0.005	0.10	<2	4	188	0.03	<10	<10	20	<10	15
170	10843	0.15	<10	1.84	342	<1	0.2	42	220	2	0.014	<0.005	1.94	<2	20	126	0.3	<10	<10	560	<10	38
170	10844	0.12	<10	1.45	322	<1	0.1	38	1160	<2	0.015	0.011	1.82	<2	11	89	0.18	<10	<10	153	<10	37
171	10845	0.01	<10	1.19	536	<1	0.03	81	30	2	0.083	0.071	0.03	<2	10	10	0.55	<10	<10	1000	<10	25
173	10563	0.17	<10	1.18	718	35	0.03	8	470	5	<0.001	<0.005	5.18	<2	8	20	0.13	<10	<10	85	<10	68
173	10632	0.13	<10	1.16	533	15	0.03	5	530	5	<0.001	<0.005	0.24	<2	9	27	0.08	<10	<10	100	<10	66
173	10633	0.05	10	1.68	945	1	0.05	8	520	2	<0.001	<0.005	0.57	<2	12	35	0.15	<10	<10	104	<10	77
174	10561	<0.01	<10	0.08	171	13	<0.01	2	430	6	<0.001	<0.005	0.05	<2	4	4	0.09	10	<10	56	60	29
174	10562	0.04	20	1.17	4230	18	<0.01	4	80	2	<0.001	<0.005	0.56	19	6	2	0.02	<10	<10	32	10	162
174	10631	0.23	20	0.45	436	15	0.02	18	150	11	<0.001	<0.005	0.08	<2	2	2	0.01	<10	<10	6	<10	34
175	10558	<0.01	<10	2.46	2350	<1	<0.01	5	910	2	0.002	0.005	0.06	<2	10	78	0.19	<10	<10	63	<10	65
175	10559	<0.01	<10	4.36	3850	1	<0.01	7	1020	9	0.001	0.005	1.40	<2	15	26	0.17	10	<10	110	20	204
175	10629	0.19	<10	2.38	1205	5	0.03	3	270	<2	<0.001	<0.005	0.49	<2	12	10	0.03	<10	<10	150	<10	99
175	10630	0.02	<10	4.16	2980	1	0.11	29	930	7	0.003	0.01	0.67	<2	18	73	0.19	10	<10	123	<10	170
176	10560	0.07	<10	1.22	795	1	0.38	46	640	4	0.026	0.008	0.10	<2	5	48	0.46	<10	<10	159	<10	58
177	10233	0.33	<10	1.37	718	1	0.2	8	2050	6	0.004	0.008	1.04	<2	11	171	0.2	<10	<10	151	<10	40
177	10816	0.06	<10	3.83	470	<1	0.09	235	700	6	0.001	<0.005	0.20	<2	5	55	0.16	<10	<10	90	<10	33
177	10817	0.13	<10	1.41	325	<1	0.08	75	440	9	0.024	0.018	2.86	<2	10	36	0.25	<10	<10	193	<10	35
178	10813	0.24	10	1.6	708	<1	0.05	32	1960	6	0.003	<0.005	0.01	<2	6	108	0.29	<10	<10	153	<10	66
178	10814	0.06	<10	4.18	522	<1	0.05	227	520	<2	0.005	0.006	0.02	<2	4	51	0.13	<10	<10	74	<10	36
178	10815	0.1	<10	2.09	764	<1	0.1	23	1630	4	0.002	<0.005	0.23	<2	8	196	0.22	<10	<10	123	<10	51
179	10812	1.76	<10	2.13	816	6	0.22	22	1010	4	0.001	<0.005	1.15	<2	7	65	0.35	<10	<10	152	<10	93
180	10723	0.01	<10	0.23	282	1	0.01	12	50	2	0.001	<0.005	0.06	<2	1	13	0.03	<10	<10	14	<10	26
180	10724	0.12	<10	0.49	205	19	0.05	21	770	12	0.002	0.006	0.21	2	3	30	0.16	<10	<10	52	<10	27
181	10490	0.01	<10	1.06	1110	1	0.01	21	220	2	0.008	0.006	0.05	<2	3	17	0.17	<10	<10	74	<10	27
181	10491	0.04	<10	2.16	561	<1	0.01	40	420	<2	0.01	0.009	0.05	<2	5	61	0.45	<10	<10	103	<10	45
183	10488	<0.01	<10	1.07	4120	4	<0.01	5	210	2	<0.001	<0.005	0.02	<2	3	38	0.02	10	<10	27	70	86
183	10489	0.01	<10	1.5	3110	3	0.01	8	270	3	<0.001	<0.005	0.07	3	4	53	0.08	<10	<10	26	20	428
185	10246	0.21	10	1.4	258	1	0.01	5	230	<2	0.002	<0.005	2.66	<2	4	3	<0.01	<10	<10	36	<10	38

**ANALYSES OF PLATINUM GROUP ELEMENTS FOR
SELECTED ROCK CHIP SAMPLES**

Table 4. Analyses of platinum group elements for selected rock chip samples

Map no.	Sample no.	Ir ppb	Os ppb	Pd ppb	Pt ppb	Rh ppb	Ru ppb
42	10196	<2	<2	18	20	<2	3
42	10197	47	57	385	446	26	80
42	10226	<2	<2	22	20	<2	5
51	10574	<2	<2	51	30	3	6
51	10575	<2	<2	4	<2	<2	<2
51	10903	<2	<2	22	14	<2	2
51	10904	<2	<2	51	31	<2	3
54	10832	5	4	33	50	2	6
54	10833	3	<2	18	31	<2	4
54	10834	4	4	26	48	2	5
55	10079	3	3	56	22	2	5
56	10239	<2	<2	4	<2	<2	<2
59	10725	5	<2	76	63	4	4
59	10853	3	2	108	43	4	4
59	10854	3	2	68	47	3	3
60	10835	3	<2	31	83	<2	6
60	10836	2	<2	23	58	3	6
61	10249	<2	<2	<2	<2	<2	<2
61	10849	<2	<2	21	10	<2	<2
62	10727	<2	<2	6	<2	<2	<2
62	10855	<2	<2	6	9	2	<2
64	10082	5	<2	40	38	2	3
64	10701	3	<2	60	47	2	4
65	10081	5	2	26	30	2	5
65	10600	3	<2	29	24	2	6
65	10601	4	<2	46	42	3	8
67	10198	<2	<2	24	18	<2	5
67	10199	<2	<2	13	11	<2	<2
67	10228	<2	<2	27	25	<2	5
67	10801	8	7	88	99	5	14
68	10083	3	4	22	13	2	5
68	10603	<2	<2	11	11	<2	<2
68	10604	2	5	182	118	5	4
69	10096	<2	2	40	31	<2	5
69	10542	22	26	415	311	14	40
69	10543	<2	<2	27	24	<2	4
70	10097	2	<2	13	20	2	4
70	10098	2	<2	19	25	<2	5
70	10544	5	3	58	94	3	4
70	10545	3	<2	23	27	2	6
70	10547	6	4	50	80	4	10
72	10858	<2	<2	11	9	<2	<2
74	10866	<2	<2	17	9	<2	<2
74	10867	<2	<2	22	17	<2	3
74	10868	<2	<2	10	<2	<2	<2
75	10863	4	4	53	53	2	9
77	10802	<2	<2	4	4	<2	<2
77	10805	<2	<2	11	9	<2	<2
77	10806	<2	<2	7	6	<2	<2
78	10230	<2	<2	<2	<2	<2	<2
78	10807	<2	<2	8	<2	<2	<2
80	10908	<2	<2	29	26	<2	4
81	10859	3	2	29	33	4	8

Table 4. Analyses of platinum group elements for selected rock chip samples

Map no.	Sample no.	Ir ppb	Os ppb	Pd ppb	Pt ppb	Rh ppb	Ru ppb
81	10860	<2	3	8	8	<2	4
81	10861	3	<2	9	20	3	5
81	10862	<2	<2	8	<2	<2	<2
83	10719	<2	<2	11	11	<2	<2
84	10390	<2	<2	19	15	<2	4
85	10482	<2	<2	15	<2	<2	<2
86	10498	<2	<2	10	<2	<2	<2
86	10499	<2	<2	2	<2	<2	<2
88	10905	<2	2	9	11	<2	3
89	10576	5	9	29	40	2	7
94	10369	<2	<2	<2	<2	<2	<2
94	10532	3	4	13	13	<2	4
95	10380	<2	<2	27	7	<2	<2
95	10381	<2	<2	50	35	2	<2
100	10856	<2	<2	13	17	<2	2
103	10375	2	<2	35	11	<2	4
103	10377	3	3	28	26	2	6
103	10378	<2	<2	9	7	<2	<2
103	10540	3	2	15	13	<2	3
104	10608	6	6	209	118	6	10
104	10609	7	4	171	113	6	12
104	10610	6	5	117	70	4	8
104	10710	14	10	368	240	15	23
107	10086	12	13	265	265	9	21
107	10606	7	4	75	77	4	11
107	10709	75	55	223	164	22	79
108	10084	33	26	884	1000	35	38
108	10085	59	55	903	1000	49	76
108	10703	251	302	1000	1000	241	386
108	10704	31	24	294	109	27	42
108	10705	21	20	892	914	27	34
109	10707	<2	<2	14	16	<2	2
125	10231	<2	<2	25	4	<2	<2
125	10232	<2	<2	15	6	<2	<2
125	10808	<2	<2	23	6	<2	<2
126	10810	<2	<2	13	<2	<2	<2
130	10479	<2	<2	11	<2	<2	<2
140	10235	4	<2	43	38	2	5
140	10825	<2	<2	21	25	<2	3
142	10829	35	44	382	324	19	66
142	10830	5	4	54	43	3	8
143	10237	3	5	54	24	2	7
143	10236	<2	<2	11	<2	<2	<2
145	10891	<2	<2	14	<2	<2	<2
145	10913	<2	<2	147	40	<2	<2
146	10243	<2	<2	15	8	<2	<2
146	10244	<2	<2	11	19	<2	<2
146	10846	<2	<2	38	20	2	<2
146	10847	<2	<2	18	11	<2	<2
146	10848	<2	<2	25	13	<2	<2
146	10869	<2	<2	361	61	2	<2
146	10870	<2	<2	223	61	2	<2
146	10871	<2	<2	149	35	<2	<2

Table 4. Analyses of platinum group elements for selected rock chip samples

Map no.	Sample no.	Ir ppb	Os ppb	Pd ppb	Pt ppb	Rh ppb	Ru ppb
146	10872	<2	<2	11	<2	<2	<2
147	10877	<2	<2	38	8	<2	<2
148	10874	<2	<2	83	49	<2	3
150	10875	<2	<2	14	5	<2	<2
150	10876	<2	<2	132	51	<2	<2
162	10910	<2	<2	9	4	<2	<2
168	10838	<2	<2	413	321	9	<2
169	10839	<2	<2	16	10	<2	<2
169	10840	<2	<2	13	9	<2	<2
169	10841	<2	<2	30	19	<2	<2
170	10241	<2	<2	25	18	<2	<2
170	10242	<2	<2	24	17	<2	<2
170	10842	<2	<2	<2	<2	<2	<2
170	10843	<2	<2	16	14	<2	<2
170	10844	<2	<2	17	9	<2	<2
171	10845	<2	<2	75	60	<2	<2
177	10233	<2	<2	7	<2	<2	<2
177	10816	<2	<2	<2	<2	<2	<2
177	10817	<2	<2	23	21	<2	<2
178	10813	<2	<2	10	4	<2	<2
178	10814	<2	<2	7	4	<2	<2
178	10815	<2	<2	<2	<2	<2	<2

**WHOLE ROCK ANALYSES FOR SELECTED ROCK CHIP
SAMPLES**

Table 5. Whole rock analyses for selected rock chip samples

Map no.	Sample no.	Al2O3 pct	BaO pct	CaO pct	Cr2O3 pct	Fe2O3 pct	K2O pct	MgO pct	MnO pct	Na2O pct	P2O5 pct	SiO2 pct	SrO pct	TiO2 pct	LOI pct	Total pct
41	10399	16.65	0.06	0.62	0.01	0.27	1.83	0.01	0.30	2.77	0.13	74.35	0.01	0.05	1.61	98.67
42	10195	2.19	0.01	2.35	0.67	13.21	0.11	38.49	0.21	0.24	0.04	36.92	0.01	0.30	5.26	99.99
42	10196	4.54	0.01	3.74	0.67	11.99	0.10	31.15	0.16	0.22	0.02	39.26	<0.01	0.34	7.46	99.65
42	10226	2.31	0.01	2.57	0.67	12.34	0.09	37.50	0.22	0.26	0.03	39.45	0.01	0.30	4.06	99.82
44	10486	13.76	0.03	9.20	0.01	13.53	0.54	6.40	0.19	2.31	0.15	47.46	0.04	1.86	2.97	98.45
51	10574	1.98	<0.01	2.38	0.51	16.50	0.04	33.05	0.22	0.06	0.02	34.42	0.01	0.22	10.40	99.80
51	10575	14.87	<0.01	23.81	0.12	7.34	0.03	10.22	0.25	<0.01	0.01	39.15	<0.01	0.14	3.17	99.13
51	10903	7.84	<0.01	16.63	0.26	8.97	0.02	17.54	0.23	0.13	0.02	41.60	0.01	0.27	4.65	98.17
51	10904	1.88	<0.01	8.52	0.35	11.41	0.02	27.31	0.23	0.11	0.02	40.50	0.02	0.26	7.68	98.30
53	10901	14.20	0.03	9.87	0.02	12.56	0.27	6.29	0.18	2.20	0.16	48.00	0.03	1.90	2.43	98.15
54	10832	0.72	<0.01	2.65	0.77	20.44	0.03	36.41	0.26	0.16	0.01	35.65	<0.01	0.12	2.47	99.68
54	10833	0.66	0.01	2.62	0.69	17.43	0.03	40.34	0.27	0.12	<0.01	35.60	0.02	0.16	1.88	99.82
54	10834	0.30	<0.01	0.35	0.46	20.51	0.02	41.41	0.30	0.09	0.02	34.35	<0.01	0.05	2.05	99.90
55	10079	1.14	0.01	1.22	0.50	16.14	0.03	40.04	0.24	0.19	0.02	34.98	0.03	0.21	5.03	99.79
56	10239	2.19	<0.01	30.01	<0.01	1.59	0.08	13.85	0.16	0.06	0.34	27.79	0.05	0.13	21.90	98.16
57	10238	14.26	0.08	7.27	0.03	11.00	1.87	6.73	0.14	2.34	0.32	51.91	0.05	2.22	0.01	98.21
58	10535	15.04	0.08	7.14	0.03	10.20	1.91	6.70	0.12	2.48	0.25	53.57	0.05	1.95	0.20	99.73
59	10726	14.45	<0.01	16.46	0.03	6.15	0.22	8.77	0.14	1.36	0.02	48.89	0.04	0.51	1.72	98.74
59	10853	0.60	<0.01	1.34	0.43	14.80	0.03	37.00	0.23	0.11	0.02	32.50	0.03	0.17	12.55	99.81
59	10854	1.66	0.01	14.96	0.44	9.63	0.03	23.43	0.17	0.21	0.01	45.53	0.01	0.43	1.63	98.15
60	10835	0.53	<0.01	0.24	0.98	14.86	0.02	38.52	0.23	0.06	0.01	29.29	<0.01	0.08	14.90	99.72
60	10836	0.57	<0.01	0.36	0.83	14.78	0.02	38.32	0.23	0.05	0.01	30.98	<0.01	0.08	13.75	99.98
61	10249	29.89	0.01	15.13	0.02	1.32	0.29	2.44	0.01	2.02	0.02	42.51	0.06	0.06	6.03	99.81
61	10849	5.87	0.01	7.47	0.22	14.42	0.08	29.61	0.22	0.49	0.02	40.02	0.04	0.23	1.17	99.86
61	10850	15.12	0.01	16.35	0.27	5.33	0.13	12.13	0.10	0.84	0.01	45.43	0.03	0.23	2.36	98.34
62	10727	16.11	<0.01	14.72	0.03	6.28	0.10	9.32	0.14	1.25	0.02	47.81	0.04	0.28	2.26	98.35
62	10855	10.88	0.02	17.57	0.05	7.72	0.06	11.85	0.16	0.88	<0.01	48.45	0.05	0.36	1.92	99.96
63	10534	12.80	0.09	1.32	0.01	11.01	0.86	5.13	0.21	2.31	0.11	60.55	0.03	0.50	4.03	98.97
64	10700	1.03	<0.01	4.99	0.63	28.97	0.04	3.90	0.49	0.12	<0.01	36.96	0.03	0.08	21.00	98.24
64	10701	0.26	<0.01	0.05	0.59	13.75	0.01	40.28	0.21	0.04	0.01	30.85	<0.01	0.06	13.75	99.87
65	10081	3.48	0.01	3.76	0.72	13.48	0.05	36.01	0.22	0.17	<0.01	37.34	0.02	0.20	4.40	99.84
65	10600	0.82	0.01	1.10	0.91	13.60	0.03	43.60	0.21	0.10	0.01	35.14	0.04	0.19	4.06	99.82
65	10601	5.17	<0.01	4.90	0.61	11.70	0.06	31.49	0.19	0.56	0.01	40.76	0.05	0.29	3.37	99.16
67	10198	3.10	0.01	2.44	0.60	11.51	0.14	35.38	0.16	0.19	0.04	38.75	<0.01	0.33	6.97	99.61
67	10199	8.10	0.02	9.71	0.26	12.62	0.11	21.37	0.19	0.80	0.03	45.82	0.01	0.40	<0.01	99.43
67	10227	5.75	0.01	0.80	0.41	11.21	0.01	32.16	0.58	<0.01	0.06	32.26	<0.01	0.42	12.45	96.13
67	10228	4.86	0.01	4.74	0.45	12.80	0.21	29.34	0.20	0.27	0.06	38.21	0.01	0.56	6.75	98.48
67	10800	4.20	0.01	4.15	0.47	12.99	0.17	31.87	0.20	0.19	0.04	37.67	0.01	0.46	6.98	99.42
67	10801	3.79	0.01	3.88	0.49	14.20	0.13	31.70	0.20	0.18	0.05	36.43	0.01	0.45	7.21	98.74
68	10603	10.10	0.01	11.39	0.20	10.79	0.10	15.91	0.21	0.53	<0.01	44.59	0.04	0.33	4.08	98.27
69	10096	6.45	0.01	8.39	0.36	14.27	0.13	21.21	0.25	0.38	0.03	41.75	0.03	0.47	6.06	99.78
69	10542	2.15	0.01	9.78	0.57	11.57	0.04	27.50	0.20	0.17	0.01	41.65	<0.01	0.28	4.85	98.76
69	10543	6.83	0.01	8.91	0.33	13.72	0.12	20.48	0.23	0.39	0.02	41.85	0.01	0.38	5.46	98.75
70	10097	0.26	<0.01	0.14	0.64	12.07	0.02	43.86	0.20	0.11	0.01	32.00	0.03	0.09	10.50	99.92

Table 5. Whole rock analyses for selected rock chip samples

Map no.	Sample no.	Al ₂ O ₃ pct	BaO pct	CaO pct	Cr ₂ O ₃ pct	Fe ₂ O ₃ pct	K ₂ O pct	MgO pct	MnO pct	Na ₂ O pct	P ₂ O ₅ pct	SiO ₂ pct	SrO pct	TiO ₂ pct	LOI pct	Total pct
70	10098	4.30	0.01	4.19	0.44	13.30	0.14	30.82	0.20	0.19	0.04	37.10	0.01	0.53	7.40	98.68
70	10544	0.32	<0.01	0.08	0.65	14.74	0.01	38.32	0.19	0.10	0.01	33.10	<0.01	0.03	12.25	99.82
70	10545	0.61	0.02	0.20	0.78	11.89	0.01	41.13	0.16	0.15	0.02	37.26	<0.01	0.03	7.64	99.92
70	10546	0.36	<0.01	0.29	0.68	12.77	0.02	44.18	0.20	0.09	0.01	33.13	0.01	0.06	7.74	99.53
70	10547	0.27	<0.01	0.15	0.70	13.42	0.01	44.75	0.21	0.06	<0.01	34.27	0.01	0.05	5.81	99.72
72	10858	15.41	0.04	9.84	0.02	14.35	0.82	6.53	0.20	2.42	0.10	44.94	0.04	1.46	2.79	98.95
74	10867	9.54	0.02	11.42	0.13	15.10	0.21	9.71	0.12	1.02	0.15	42.38	0.04	1.02	9.01	99.87
75	10863	0.29	<0.01	0.16	0.77	13.99	0.01	47.76	0.23	0.08	0.01	35.50	0.03	0.09	0.94	99.85
77	10804	2.04	0.01	10.81	0.02	53.11	0.04	6.61	0.11	0.12	0.14	23.88	0.02	0.22	1.53	98.64
77	10805	7.62	0.01	20.42	0.17	13.79	0.05	12.79	0.18	0.12	0.10	42.60	0.03	0.81	1.09	99.77
78	10807	2.73	<0.01	9.29	0.02	44.71	0.03	3.53	0.08	<0.01	0.06	18.85	0.01	0.21	18.90	98.42
80	10908	2.74	0.01	2.82	0.44	13.72	0.25	37.37	0.22	0.37	0.04	38.44	0.01	0.39	2.99	99.82
81	10859	0.96	<0.01	0.15	0.69	13.88	0.02	41.29	0.20	0.09	0.02	33.79	0.04	0.12	8.66	99.93
81	10860	2.54	0.01	1.83	0.74	11.54	0.13	38.63	0.21	0.36	0.05	39.61	0.03	0.44	3.65	99.76
81	10861	0.32	<0.01	0.19	0.66	13.41	0.01	45.75	0.21	0.09	0.01	33.19	0.01	0.07	5.87	99.80
81	10862	7.65	<0.01	37.10	0.04	4.51	0.02	5.60	0.09	0.04	0.02	37.04	0.03	0.43	7.11	99.68
83	10719	10.68	0.02	9.62	0.14	11.16	0.29	13.46	0.16	2.00	0.11	45.91	0.04	1.30	3.14	98.00
84	10390	10.57	0.01	9.26	0.28	13.36	0.36	17.77	0.19	1.11	0.07	43.20	0.01	0.56	3.06	99.80
85	10482	8.92	<0.01	23.05	0.02	9.74	0.04	7.07	0.28	0.07	0.16	47.52	0.06	0.34	1.40	98.67
86	10498	8.52	0.01	16.33	0.04	14.15	0.07	3.91	0.22	0.01	0.10	53.51	0.02	0.53	1.01	98.43
86	10499	4.95	0.01	10.73	0.02	13.19	0.07	2.51	0.18	0.01	0.05	64.10	0.03	0.34	0.40	96.61
88	10905	4.83	<0.01	22.63	0.18	8.55	0.02	12.11	0.50	0.20	0.06	47.63	0.04	0.29	1.16	98.20
94	10532	8.19	0.03	7.71	0.25	12.15	0.22	20.43	0.18	0.85	0.09	43.55	0.04	1.05	3.65	98.37
95	10380	15.16	0.03	9.09	0.05	13.95	0.68	5.39	0.11	1.52	0.08	45.92	0.05	0.56	6.39	98.97
95	10612	16.11	0.05	9.58	0.02	10.50	0.98	5.43	0.15	2.81	0.14	49.57	0.03	0.80	2.73	98.91
96	10820	10.30	<0.01	25.86	0.03	14.87	0.13	3.13	0.50	0.40	0.16	40.07	0.02	0.43	2.25	98.15
97	10818	7.86	0.01	7.97	0.28	12.25	0.05	20.63	0.23	0.39	0.09	41.78	0.01	1.07	5.61	98.22
100	10856	7.87	<0.01	8.08	0.37	12.15	0.19	26.11	0.20	0.52	0.03	42.05	0.05	0.37	1.90	99.90
103	10374	4.13	0.01	3.53	0.49	13.31	0.09	30.77	0.18	0.22	0.04	36.25	0.07	0.54	8.63	98.25
103	10376	11.78	0.04	8.19	0.11	10.75	0.51	11.81	0.19	1.49	0.10	44.99	0.06	1.03	6.98	98.04
103	10378	12.37	0.07	8.50	0.08	10.45	0.91	8.96	0.18	1.43	0.12	47.55	0.07	1.04	6.56	98.28
103	10539	5.29	0.01	4.02	0.37	13.01	0.14	28.82	0.21	0.20	0.06	37.45	0.03	0.58	8.27	98.45
103	10540	7.57	0.01	6.58	0.29	11.41	0.14	23.50	0.26	0.46	0.08	41.09	0.01	0.80	6.14	98.35
104	10090	15.12	0.08	12.51	0.09	6.49	0.58	9.93	0.11	1.85	0.08	47.53	0.09	0.61	3.10	98.15
104	10607	4.77	0.01	4.97	0.31	14.96	0.09	29.55	0.24	0.27	0.02	38.44	0.02	0.31	4.37	98.32
104	10608	4.85	<0.01	5.89	0.31	15.13	0.10	28.33	0.24	0.25	0.03	38.99	0.02	0.33	4.20	98.68
104	10609	4.46	0.01	4.84	0.33	15.12	0.09	29.71	0.24	0.26	0.03	38.66	0.03	0.31	4.25	98.34
104	10610	5.33	0.01	5.62	0.41	14.08	0.16	27.09	0.22	0.33	0.04	38.75	0.01	0.41	6.12	98.59
104	10611	5.17	0.01	6.53	0.31	14.62	0.10	27.56	0.23	0.31	0.03	39.34	0.02	0.34	4.13	98.69
104	10710	4.71	0.01	8.76	0.28	16.15	0.19	19.30	0.23	0.26	0.04	38.22	0.02	0.42	9.74	98.32
107	10086	2.18	<0.01	6.60	0.38	12.39	0.10	23.31	0.23	0.19	0.03	49.24	0.02	0.57	3.02	98.28
107	10606	2.70	0.01	2.82	0.79	13.28	0.03	38.55	0.23	0.14	0.02	36.36	0.03	0.23	4.52	99.71
108	10084	5.22	0.01	5.83	0.28	18.25	0.15	21.08	0.20	0.19	0.04	38.96	0.03	0.42	7.56	98.23
108	10085	12.20	0.03	11.78	0.05	14.21	0.37	7.63	0.20	1.03	0.07	39.38	0.10	0.70	2.52	90.27

Table 5. Whole rock analyses for selected rock chip samples

Map no.	Sample no.	Al2O3 pct	BaO pct	CaO pct	Cr2O3 pct	Fe2O3 pct	K2O pct	MgO pct	MnO pct	Na2O pct	P2O5 pct	SiO2 pct	SrO pct	TiO2 pct	LOI pct	Total pct
108	10704	0.71	<0.01	0.52	0.95	14.78	0.02	42.01	0.19	<0.01	<0.01	32.34	0.03	0.15	8.14	99.82
108	10705	4.79	0.01	4.63	0.38	19.23	0.13	22.85	0.20	0.06	0.05	36.95	0.02	0.34	8.62	98.27
109	10707	6.23	0.01	8.36	0.46	11.25	0.07	22.75	0.16	0.29	0.03	42.93	0.01	0.40	5.83	98.76
125	10231	15.69	0.02	14.07	0.01	12.17	1.53	6.84	0.19	1.12	0.04	44.13	0.10	0.60	2.15	98.66
125	10232	17.83	0.04	13.90	0.01	11.83	1.81	6.59	0.17	0.76	0.04	41.99	0.11	0.68	2.34	98.10
125	10808	14.29	0.03	13.15	0.01	15.30	1.08	8.13	0.25	1.34	0.62	40.85	0.11	1.06	1.90	98.12
125	10809	4.37	0.03	15.45	0.02	26.33	0.39	10.86	0.26	0.49	0.04	38.38	0.01	1.31	0.52	98.46
126	10810	4.05	0.02	18.07	0.01	22.08	0.17	12.10	0.27	0.37	0.06	39.63	0.02	1.06	0.41	98.30
127	10851	14.50	0.03	11.10	0.02	13.14	0.74	7.08	0.21	1.76	0.15	48.13	0.05	1.77	1.08	99.77
129	10852	17.50	0.08	8.13	<0.01	8.23	2.30	3.61	0.14	3.58	0.40	53.89	0.13	0.63	1.26	99.89
130	10479	5.29	0.02	16.77	0.01	18.40	0.36	11.74	0.24	0.74	0.04	42.80	0.03	1.05	0.77	98.25
131	10480	18.16	0.09	5.54	<0.01	5.28	2.98	1.63	0.12	3.59	0.25	60.20	0.12	0.38	1.04	99.39
140	10235	5.74	0.01	5.17	0.46	12.39	0.19	26.73	0.20	0.62	0.07	41.25	0.04	0.69	4.74	98.29
140	10825	6.64	0.02	5.38	0.43	12.51	0.32	25.87	0.20	0.76	0.08	41.91	0.03	0.75	3.36	98.26
141	10828	18.40	0.06	9.88	0.01	7.79	1.13	6.19	0.17	1.52	0.03	49.32	0.03	0.47	3.41	98.41
142	10829	7.21	0.02	7.51	0.35	12.20	0.32	21.35	0.19	0.84	0.08	43.99	0.05	0.95	3.29	98.36
142	10830	5.38	0.01	4.79	0.50	12.55	0.24	28.50	0.20	0.67	0.08	40.69	0.01	0.71	4.39	98.72
143	10237	21.97	0.03	10.99	0.01	7.60	0.34	5.00	0.09	2.51	0.07	45.42	0.08	0.65	3.54	98.30
143	10236	19.93	0.02	9.83	<0.01	12.78	0.23	4.48	0.17	3.05	0.17	44.24	0.06	1.10	2.74	98.80
145	10891	13.00	0.03	11.46	0.02	16.56	1.10	7.15	0.27	1.65	0.85	43.21	0.10	1.33	1.79	98.53
145	10913	7.16	0.02	15.27	0.03	28.23	0.29	11.36	0.23	0.38	0.06	34.10	0.04	1.76	0.72	99.66
146	10243	13.80	0.04	10.89	0.02	14.60	0.79	8.47	0.20	2.52	0.10	44.01	0.02	1.01	2.20	98.66
146	10244	1.69	0.01	21.52	0.15	5.77	0.06	17.67	0.12	0.18	0.01	50.40	0.01	0.17	1.02	98.79
146	10846	13.00	0.02	10.64	0.02	19.40	0.52	9.63	0.24	1.64	0.22	36.97	0.04	2.36	3.62	98.33
146	10847	8.29	0.02	16.39	0.02	17.81	0.22	9.02	0.29	1.05	0.44	42.00	0.05	0.88	1.91	98.39
146	10848	3.91	0.02	16.77	0.02	26.94	0.10	11.69	0.19	0.22	0.03	38.22	0.06	1.67	<0.01	99.82
146	10869	1.31	0.01	19.97	0.14	6.99	0.03	18.90	0.15	0.01	0.02	48.64	0.02	0.19	1.94	98.32
146	10870	1.32	0.01	20.90	0.19	7.61	0.02	18.07	0.14	0.11	0.02	49.85	0.02	0.19	1.51	99.96
146	10871	1.35	<0.01	22.22	0.15	6.05	0.03	16.17	0.12	0.06	0.01	51.25	0.03	0.22	0.64	98.31
146	10872	13.82	0.04	23.27	0.01	9.32	0.54	6.15	0.15	0.98	0.54	33.44	0.16	0.59	9.95	98.96
148	10873	2.47	0.01	16.62	0.13	14.60	0.04	15.52	0.22	0.21	0.02	42.98	0.02	0.40	4.97	98.21
148	10874	3.47	0.02	17.06	0.06	24.44	0.10	11.49	0.23	0.37	0.05	40.11	0.03	1.25	1.28	99.97
150	10875	5.56	0.02	13.11	0.01	18.00	0.36	13.00	0.19	0.76	0.05	44.11	0.04	1.22	3.18	99.60
150	10880	6.81	0.04	15.90	0.02	17.90	1.63	13.18	0.17	0.45	0.03	40.62	0.03	1.10	0.49	98.36
162	10910	15.55	0.05	9.93	0.02	11.68	1.72	5.71	0.20	2.15	0.34	50.21	0.07	0.77	0.67	99.07
165	10492	13.14	0.02	10.04	0.01	12.09	0.53	6.42	0.20	1.80	0.08	51.36	0.04	1.01	1.98	98.73
169	10240	2.69	0.02	11.96	0.12	23.35	0.04	18.57	0.29	0.09	0.01	37.59	0.02	0.99	2.52	98.26
169	10839	2.73	0.01	19.60	0.21	10.01	0.08	16.42	0.23	0.24	0.02	47.96	<0.01	0.41	0.93	98.84
169	10840	18.33	0.30	2.79	<0.01	3.44	8.75	1.31	0.03	2.69	0.23	57.65	0.06	0.51	2.36	98.44
169	10841	3.86	0.02	11.65	0.09	15.82	0.25	12.68	0.31	0.07	0.04	47.32	<0.01	0.85	3.28	96.25
170	10241	9.52	0.03	8.94	0.04	38.73	0.34	6.58	0.14	0.45	0.02	25.86	0.04	1.47	6.46	98.62
170	10242	13.83	0.02	11.53	0.04	23.69	0.75	7.95	0.18	0.61	0.07	34.25	0.07	1.20	4.13	98.34
170	10843	12.61	0.03	11.75	0.04	23.55	0.52	8.63	0.16	0.66	0.06	35.05	0.11	1.53	3.64	98.35
170	10844	18.05	0.03	12.38	0.02	12.14	0.99	6.89	0.16	1.31	0.24	41.56	0.12	0.85	5.04	99.79

Table 5. Whole rock analyses for selected rock chip samples

Map no.	Sample no.	Al ₂ O ₃ pct	BaO pct	CaO pct	Cr ₂ O ₃ pct	Fe ₂ O ₃ pct	K ₂ O pct	MgO pct	MnO pct	Na ₂ O pct	P ₂ O ₅ pct	SiO ₂ pct	SrO pct	TiO ₂ pct	LOI pct	Total pct
171	10845	3.89	0.01	16.82	0.04	24.15	0.03	12.85	0.22	0.21	<0.01	38.54	0.01	1.44	<0.1	98.12
177	10233	19.02	0.15	6.72	<0.01	7.20	2.47	3.16	0.11	3.29	0.40	52.48	0.10	0.55	3.48	99.12
177	10816	8.80	0.03	10.42	0.17	11.64	0.36	15.13	0.19	1.29	0.16	44.99	0.04	0.63	4.37	98.22
177	10817	6.11	0.02	14.77	0.06	16.93	0.50	11.92	0.22	0.32	0.09	43.55	0.03	0.99	2.72	98.23
178	10813	16.62	0.09	5.58	0.01	8.60	3.20	4.38	0.16	2.71	0.44	52.79	0.10	0.80	3.11	98.60
178	10814	6.53	0.01	10.71	0.24	11.37	0.17	18.52	0.23	0.38	0.13	44.03	0.03	0.51	5.35	98.22
178	10815	14.23	0.03	11.55	0.01	11.86	0.59	5.23	0.18	1.49	0.35	47.95	0.11	0.76	4.27	98.62

Table 6. Latitude and longitude coordinates for 2003 samples. Coordinates are in decimal degrees and use the North American Datum 1927.

Sample no.	Latitude	Longitude	Sample no.	Latitude	Longitude
10079	63.23745	-146.06826	10254	63.05825	-144.83680
10080	63.32241	-146.28212	10255	63.21890	-145.43621
10081	63.32461	-146.28487	10256	63.23231	-145.47187
10082	63.32322	-146.31884	10257	63.22372	-145.48716
10083	63.31667	-146.24524	10258	63.17627	-144.81808
10084	63.32903	-145.58712	10259	63.09907	-144.78996
10085	63.33064	-145.59243	10260	63.07149	-144.82109
10086	63.33842	-145.61796	10261	63.70882	-145.59109
10087	63.34114	-145.77842	10262	63.69697	-145.52907
10088	63.34110	-145.77847	10263	63.69926	-145.55338
10089	63.34107	-145.77846	10264	63.71672	-145.76393
10090	63.34104	-145.77846	10265	63.68658	-146.55273
10091	63.34107	-145.77856	10266	63.68670	-146.55277
10092	63.34109	-145.77870	10267	63.68784	-146.54573
10093	63.34107	-145.77825	10268	63.68797	-146.54565
10094	63.34114	-145.77820	10269	63.68672	-146.56732
10095	63.34118	-145.77807	10270	63.68656	-146.56772
10096	63.31684	-146.22154	10271	63.59731	-146.23241
10097	63.31849	-146.20193	10272	63.73676	-145.62395
10098	63.31724	-146.20288	10273	63.57032	-145.93827
10099	63.31604	-146.20257	10274	63.80746	-146.50878
10193	63.30220	-146.08094	10367	63.30468	-145.98338
10194	63.30160	-146.08356	10368	63.30390	-145.98198
10195	63.32418	-146.38626	10369	63.30391	-145.98193
10196	63.32372	-146.38512	10370	63.29034	-145.56297
10197	63.32423	-146.38426	10371	63.28484	-145.56686
10198	63.31620	-146.25978	10372	63.28230	-145.56884
10199	63.31657	-146.26076	10373	63.27088	-145.58495
10226	63.32412	-146.38626	10374	63.34513	-145.84626
10227	63.31629	-146.26040	10375	63.34530	-145.84619
10228	63.31664	-146.26065	10376	63.34524	-145.84599
10229	63.35002	-146.05942	10377	63.34538	-145.84619
10230	63.34903	-146.05066	10378	63.34554	-145.84671
10231	63.13212	-145.47319	10379	63.35057	-145.94687
10232	63.13181	-145.47282	10380	63.29438	-145.96458
10233	63.17581	-144.82341	10381	63.29443	-145.96461
10234	63.13817	-146.09673	10382	63.29883	-146.00396
10235	63.28920	-145.42281	10383	63.30245	-146.08036
10236	63.29799	-145.41319	10384	63.32031	-146.17048
10237	63.29797	-145.41324	10385	63.31882	-146.17027
10238	63.21172	-146.14659	10386	63.30468	-146.19997
10239	63.21360	-146.14381	10387	63.32421	-145.97222
10240	63.20015	-144.87589	10388	63.32086	-145.96909
10241	63.19570	-144.87662	10389	63.32139	-145.96832
10242	63.19549	-144.87669	10390	63.32134	-145.96840
10243	63.23200	-145.09292	10391	63.32060	-145.96711
10244	63.22993	-145.09428	10392	63.33495	-146.00645
10245	63.10499	-144.80279	10393	63.33692	-146.00611
10246	63.10495	-144.80394	10394	63.35052	-145.70300
10247	63.02634	-144.85715	10395	63.03061	-145.49384
10248	63.06828	-144.90187	10396	63.17666	-146.22206
10249	63.24924	-146.20922	10397	63.17658	-146.22129
10250	63.17598	-144.82135	10398	63.30590	-145.42863
10251	63.09912	-144.78999	10399	63.48274	-146.30809
10252	63.09238	-144.78231	10479	63.11030	-145.42978
10253	63.09208	-144.78239	10480	63.12706	-145.42948

Table 6. Latitude and longitude coordinates for 2003 samples. Coordinates are in decimal degrees and use the North American Datum 1927.

Sample no.	Latitude	Longitude	Sample no.	Latitude	Longitude
10481	63.32335	-146.05559	10569	63.20974	-144.83637
10482	63.31706	-145.99039	10570	63.14482	-144.98158
10483	63.30146	-145.99877	10571	63.16539	-145.03654
10484	63.30400	-145.99526	10572	63.12164	-144.80293
10485	63.26819	-146.49499	10573	63.32086	-146.03223
10486	63.23963	-146.44198	10574	63.11442	-145.75374
10487	63.22790	-146.40555	10575	63.11437	-145.75380
10488	63.14207	-144.81225	10576	63.31799	-146.06362
10489	63.14138	-144.81433	10577	63.72876	-145.61782
10490	63.15544	-144.69302	10578	63.61244	-145.73986
10491	63.15678	-144.69265	10579	63.61254	-145.73868
10492	63.21562	-144.87859	10580	63.71293	-146.74230
10493	63.12393	-144.90178	10581	63.71307	-146.74232
10494	63.18052	-144.94752	10582	63.71311	-146.74227
10495	63.18844	-144.96188	10583	63.71295	-146.74144
10496	63.18848	-144.96195	10584	63.71276	-146.74128
10497	63.18589	-144.97001	10585	63.71271	-146.74097
10498	63.32114	-146.03160	10586	63.71710	-145.76525
10499	63.32116	-146.03156	10587	63.70811	-145.76910
10532	63.30492	-145.98432	10588	63.68686	-146.55195
10533	63.30403	-145.98202	10589	63.68655	-146.56772
10534	63.30580	-146.30621	10590	63.68767	-146.56700
10535	63.23054	-146.17505	10591	63.68756	-146.56727
10536	63.29010	-145.56328	10592	63.68804	-146.54559
10537	63.28297	-145.56915	10600	63.32290	-146.28175
10538	63.28079	-145.56675	10601	63.32467	-146.28485
10539	63.34612	-145.84628	10602	63.32356	-146.31873
10540	63.34613	-145.84625	10603	63.31647	-146.24588
10541	63.34523	-145.84991	10604	63.31660	-146.24554
10542	63.31663	-146.22175	10605	63.32573	-145.57497
10543	63.31673	-146.22204	10606	63.33875	-145.61871
10544	63.31796	-146.20140	10607	63.34133	-145.77830
10545	63.31786	-146.20127	10608	63.34137	-145.77834
10546	63.31771	-146.20059	10609	63.34127	-145.77788
10547	63.31795	-146.20014	10610	63.34118	-145.77806
10548	63.22530	-145.44066	10611	63.34126	-145.77788
10549	63.22536	-145.44022	10612	63.29463	-145.96446
10550	63.22534	-145.43999	10613	63.29891	-146.00390
10551	63.22455	-145.42001	10614	63.29891	-146.00390
10552	63.22497	-145.42150	10615	63.22615	-145.43806
10553	63.16624	-145.51237	10616	63.22601	-145.43860
10554	63.17108	-145.52918	10617	63.22553	-145.43918
10555	63.31802	-146.25862	10618	63.22553	-145.41886
10556	63.28611	-145.61043	10619	63.22288	-145.42092
10557	63.26062	-145.57217	10620	63.31790	-146.25802
10558	63.15475	-144.85747	10621	63.32025	-146.25961
10559	63.15460	-144.85766	10622	63.28826	-145.61775
10560	63.15518	-144.84858	10623	63.28524	-145.60835
10561	63.16116	-144.87702	10624	63.26282	-145.56668
10562	63.16126	-144.87735	10625	63.26387	-145.56680
10563	63.17019	-144.86869	10626	63.26449	-145.62320
10564	63.18143	-146.44923	10627	63.26467	-145.62496
10565	63.32264	-145.77982	10628	63.26559	-145.62971
10566	63.32208	-145.80924	10629	63.15586	-144.85560
10567	63.35546	-145.67155	10630	63.15472	-144.85747
10568	63.12762	-145.43365	10631	63.16117	-144.87981

Table 6. Latitude and longitude coordinates for 2003 samples. Coordinates are in decimal degrees and use the North American Datum 1927.

Sample no.	Latitude	Longitude	Sample no.	Latitude	Longitude
10632	63.17020	-144.86872	10734	63.61139	-145.73949
10633	63.17019	-144.86865	10735	63.71483	-146.75302
10634	63.18141	-146.44926	10736	63.71474	-146.75296
10635	63.32274	-145.77974	10737	63.61419	-145.74729
10636	63.32220	-145.80925	10738	63.71185	-146.75111
10637	63.21051	-144.83850	10739	63.71160	-146.75552
10638	63.18971	-144.99826	10740	63.71296	-146.76006
10639	63.12246	-144.80325	10800	63.31541	-146.25659
10640	63.15223	-144.74371	10801	63.31541	-146.25672
10641	63.69516	-145.54445	10802	63.34999	-146.05941
10642	63.72881	-145.61802	10803	63.34997	-146.05943
10643	63.73162	-145.61430	10804	63.34999	-146.05938
10644	63.72881	-145.61793	10805	63.34998	-146.05945
10645	63.72072	-145.77111	10806	63.35009	-146.05899
10646	63.70727	-145.76968	10807	63.34884	-146.05046
10647	63.68453	-145.73709	10808	63.13245	-145.47300
10648	63.63625	-145.67671	10809	63.13160	-145.47181
10649	63.71744	-145.76854	10810	63.12926	-145.48157
10650	63.63154	-145.84647	10811	63.18552	-144.85600
10651	63.60418	-144.93327	10812	63.17923	-144.80431
10652	63.59649	-144.95602	10813	63.17698	-144.81285
10653	63.70857	-145.59108	10814	63.17717	-144.81414
10700	63.32303	-146.31702	10815	63.17753	-144.81567
10701	63.32337	-146.31967	10816	63.17688	-144.82169
10702	63.31670	-146.24575	10817	63.17592	-144.82362
10703	63.32886	-145.58893	10818	63.29887	-145.94730
10704	63.32930	-145.58925	10819	63.29590	-145.96023
10705	63.33061	-145.59243	10820	63.29587	-145.96026
10706	63.32738	-145.57601	10821	63.29564	-145.96075
10707	63.32746	-145.57688	10822	63.25749	-145.62672
10708	63.33885	-145.61849	10823	63.23730	-145.56538
10709	63.33881	-145.61854	10824	63.28969	-145.42072
10710	63.34112	-145.77835	10825	63.28989	-145.42206
10711	63.20336	-145.09464	10826	63.27941	-145.43221
10712	63.20403	-145.09965	10827	63.29179	-145.44084
10713	63.20474	-145.10453	10828	63.29231	-145.42700
10714	63.20150	-145.10639	10829	63.29599	-145.40932
10715	63.19804	-145.10956	10830	63.29577	-145.40904
10716	63.29391	-145.96738	10831	63.26811	-145.38805
10717	63.30118	-146.08080	10832	63.22902	-146.06149
10718	63.30199	-146.08156	10833	63.22903	-146.06149
10719	63.32406	-145.97248	10834	63.22851	-146.06193
10720	63.32404	-145.97247	10835	63.24983	-146.19264
10721	63.13808	-146.09680	10836	63.24984	-146.19264
10722	63.32320	-146.05563	10837	63.20186	-144.87339
10723	63.17607	-144.76608	10838	63.20343	-144.87383
10724	63.17628	-144.76584	10839	63.20027	-144.87546
10725	63.25283	-146.18368	10840	63.20009	-144.87624
10726	63.25290	-146.18367	10841	63.20010	-144.87622
10727	63.25995	-146.21393	10842	63.19545	-144.87657
10728	63.28749	-145.88492	10843	63.19559	-144.87658
10729	63.28138	-145.85829	10844	63.19536	-144.87681
10730	63.28165	-145.86204	10845	63.19439	-144.88221
10731	63.23949	-146.32542	10846	63.23213	-145.09353
10732	63.22961	-146.31625	10847	63.23206	-145.09329
10733	63.61295	-145.73273	10848	63.23060	-145.09380

Table 6. Latitude and longitude coordinates for 2003 samples. Coordinates are in decimal degrees and use the North American Datum 1927.

Sample no.	Latitude	Longitude	Sample no.	Latitude	Longitude
10849	63.24934	-146.20972	10905	63.32198	-146.06504
10850	63.24930	-146.20884	10906	63.31906	-146.06125
10851	63.11859	-145.51366	10907	63.31805	-146.06364
10852	63.10227	-145.40028	10908	63.34284	-145.93202
10853	63.25334	-146.18262	10909	63.19597	-144.91320
10854	63.25293	-146.18378	10910	63.19310	-144.91619
10855	63.25978	-146.21522	10911	63.21519	-144.89374
10856	63.30424	-145.83401	10912	63.20613	-144.87548
10857	63.26002	-146.21415	10913	63.27982	-145.25138
10858	63.31540	-146.17416	10914	63.72806	-145.59734
10859	63.33853	-145.97334	10915	63.73323	-145.60644
10860	63.33854	-145.97327	10916	63.72917	-145.61714
10861	63.33854	-145.97325	10917	63.72913	-145.61710
10862	63.33863	-145.97438	10918	63.71524	-146.76086
10863	63.34728	-146.07505	10919	63.68999	-146.65707
10864	63.34940	-146.07897	10920	63.69005	-146.65702
10865	63.34964	-146.07932	10921	63.69123	-146.65549
10866	63.34622	-146.08274	10922	63.61328	-146.18080
10867	63.34608	-146.08279	10923	63.68847	-146.65824
10868	63.34628	-146.08411	10924	63.68861	-146.65976
10869	63.22988	-145.09437	10925	63.68937	-146.65860
10870	63.22986	-145.09432	10926	63.69008	-146.65743
10871	63.22982	-145.09431	10927	63.69052	-146.65647
10872	63.22976	-145.09450	10928	63.69027	-146.65686
10873	63.22552	-145.09984	10929	63.69396	-146.66573
10874	63.22472	-145.10032	10930	63.68634	-146.55312
10875	63.21790	-145.11009	10931	63.68703	-146.55188
10876	63.21791	-145.11010	10932	63.68779	-146.56717
10877	63.22713	-145.10378	10933	63.68888	-146.56707
10878	63.22444	-145.10670	10950	63.60569	-146.26534
10879	63.22014	-145.11325	10951	63.60496	-146.26411
10880	63.21966	-145.11417	10952	63.60480	-146.26353
10881	63.61264	-145.73246	10953	63.59757	-146.26384
10882	63.61121	-145.74334	10954	63.59756	-146.26431
10883	63.71325	-146.74123	10955	63.59752	-146.26402
10884	63.71323	-146.74126	10956	63.59761	-146.26387
10885	63.71265	-146.73951	10957	63.70495	-146.74227
10886	63.71275	-146.73909	10958	63.70183	-146.74881
10887	63.71278	-146.73906	10959	63.70181	-146.74890
10888	63.71282	-146.73880	10960	63.70149	-146.75085
10889	63.71299	-146.73918	10961	63.70163	-146.75088
10890	63.71300	-146.73924	10962	63.72124	-146.76468
10891	63.27981	-145.25137	10963	63.72118	-146.76497
10892	63.71298	-146.73924	10964	63.72122	-146.76535
10893	63.71301	-146.73859	10965	63.69384	-146.66620
10894	63.71291	-146.73777	10966	63.69454	-146.66527
10895	63.71321	-146.73744	10967	63.71275	-146.72737
10896	63.71318	-146.73530	10968	63.71251	-146.72856
10897	63.71310	-146.73682	10969	63.71248	-146.72759
10898	63.60525	-146.25482	10970	63.71217	-146.72383
10899	63.60606	-146.26223	10971	63.71247	-146.72425
10900	63.32119	-146.03122	10972	63.72000	-146.76616
10901	63.15092	-145.91102	10973	63.71950	-146.76640
10902	63.13452	-145.91251	10974	63.71891	-146.76626
10903	63.11442	-145.75364			
10904	63.11438	-145.75372			

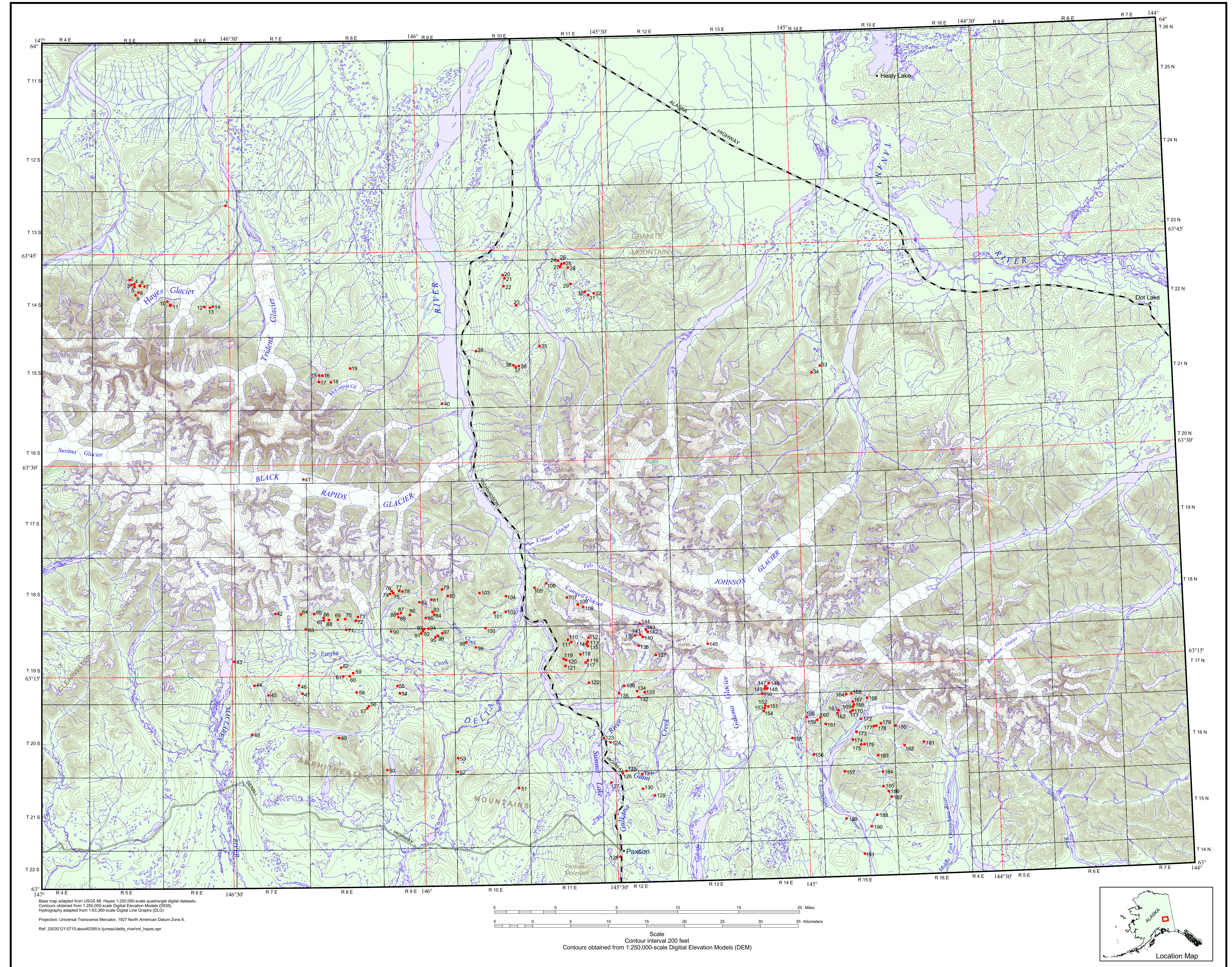


Plate 1. Delta River Mining District, 2003 sample locations in the Mount Hayes quadrangle.