

MAP NO. ASSESSMENT REPORT X DOCUMENT NO.: 092089  
PROSPECTUS MINING DISTRICT: WHITEHORSE  
CONFIDENTIAL X TYPE OF WORK: Prospecting Program  
115 G 5, 12 OPEN FILE

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REPORT FILED UNDER: Silverquest Resources Ltd; Pak-Man Resources Inc

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DATE PERFORMED: June 7-9, 1987 DATE FILED: February 3, 1988

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LOCATION: LAT.: 61°31'N AREA: Kluane Range

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LONG.: 140°41'W VALUE \$: 14,400.00

---

CLAIM NAME & NO.: JEK 1-48 YA96984-YA97031

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WORK DONE BY: W.D. Eaton

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WORK DONE FOR: Silverquest Resources Ltd; Pak-Man Resources Inc

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DATE TO GOOD STANDING | REMARKS: #20 MUSKETEER

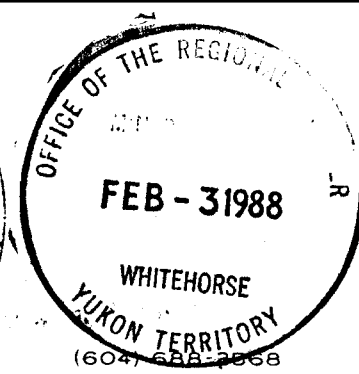
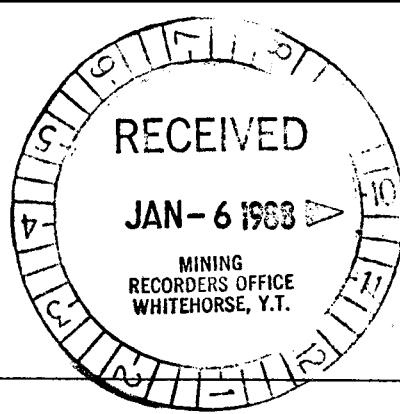
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# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

1016 - 510 WEST HASTINGS STREET  
VANCOUVER, B. C. V6B 1L8



Report On

PROSPECTING PROGRAM

JEK 1-48 CLAIMS (YA96984-YA97031)

NTS 115G/5 & 12

Latitude 61°31'; Longitude 140°41'



W.D. Eaton, B.A., B.Sc.

November, 1987

Work done between June 7 and 9, 1987

092089

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 14 400.00.

*J. J. Bremner*

*for* Regional Manager, Exploration and  
Geological Services for Commissioner  
of Yukon Territory.

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CONCLUSIONS .....	4

<u>NO.</u>	<u>FIGURES</u>	<u>LOCATION</u>
1	Donjek Property (Jek Claims) Location .....	Following Page 1
2	Geology, Donjek Property .....	In Pocket

APPENDICES

- I Author's Statement of Qualifications
- II Personnel
- III Geochemical and Assay Results

INTRODUCTION

The Jek claims were staked in March, 1987 and are owned 70% by Silverquest Resources Ltd. and 30% by Pak-Man Resources Inc. The property covers projected extensions of ultramafic sills similar to those that host nickel, copper and platinum group element (PGE) mineralization at the former Wellgreen Mine, 8 km to the southeast (see Figure 1 on the following page). The 1987 exploration program consisted of preliminary prospecting and claim surveys conducted under the author's supervision between June 7 and 9 by a helicopter-supported, two- to three-man crew operating from a camp at Wellgreen. The Author's Statement of Qualifications is included in Appendix I while a list of personnel who worked on the property appears in Appendix II.

PROPERTY, LOCATION AND ACCESS

The property consists of 48 contiguous mineral claims registered with the Whitehorse Mining Recorder as follows:

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Expiry Date</u>
Jek 1-48	YA96984-YA97031	March 17, 1988

The claims are located at latitude 61°31' and longitude 140°41' straddling NTS map sheets 115G/5 and 12. A 14 km long, four-wheel drive road crosses the southern part of the property and links it to the two-wheel drive Wellgreen access road. The total distance from the property to the paved Alaska Highway is 31 km. From there, it is 30 km to Burwash Landing, the closest community, and 410 km to the year-round, deep-sea port at Haines, Alaska.

Access in 1987 was by Bell 206B helicopter operating from a seasonal base at Burwash Landing.

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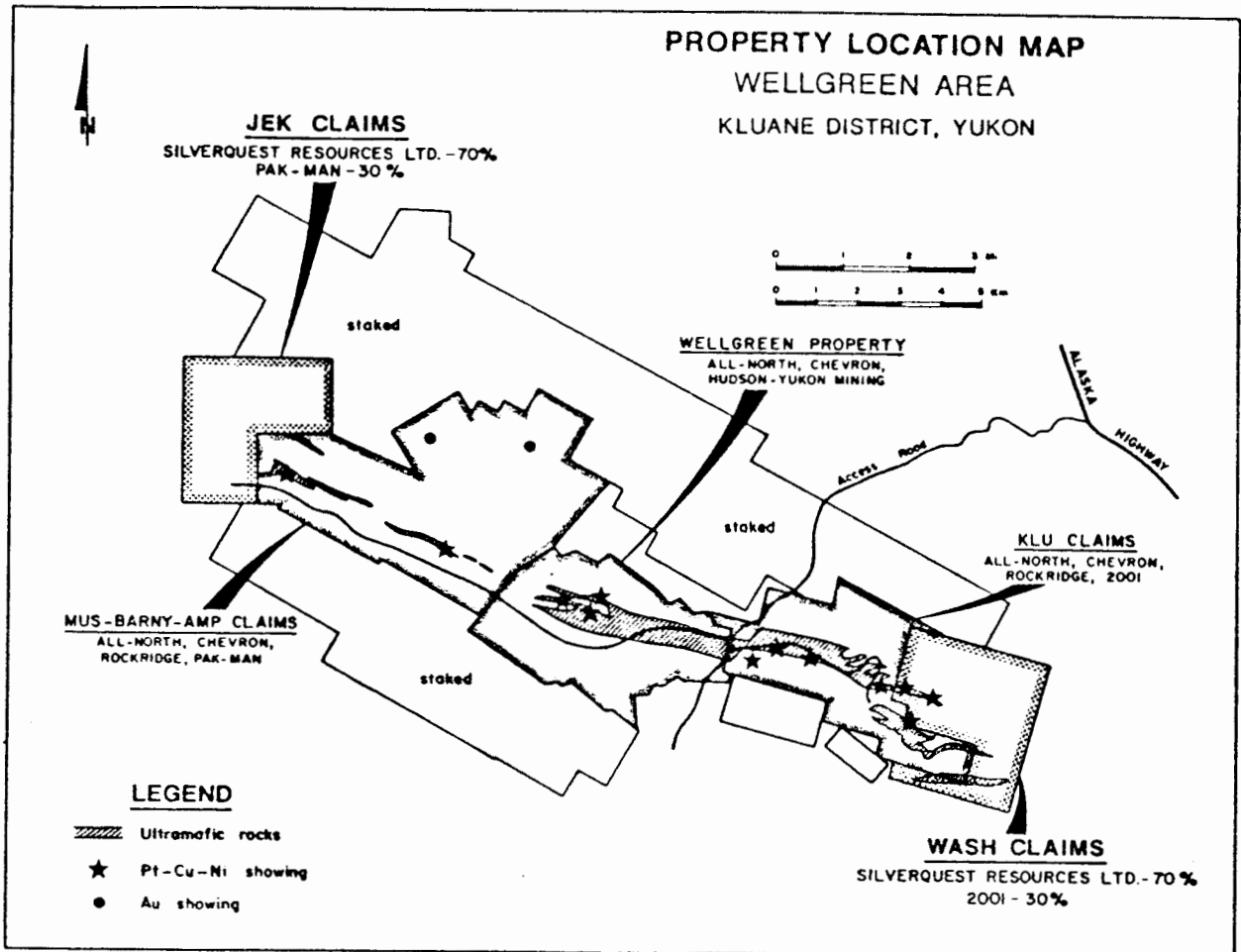


Figure 1: Donjek Property (Jek Claims) Location

GEOLOGY

The property is located along the northwest edge of the Kluane Range immediately east of the Donjek River which forms numerous braided channels within a 5 km wide glacial till-filled valley. Elevations range from 730 m on the valley floor to 1980 m on the ridge crests. Vegetation consists of black spruce forests on the valley floor, giving way to slide alder on the lower slopes and moss and lichens on the upper slopes. Claims on the valley floor are underlain by glaciofluvial till while the remainder of the property is mostly blanketed by talus. Outcrop is restricted to canyons along Arch Creek and other west-flowing tributaries of the Donjek River and the upper slopes.

Regional mapping by the Geological Survey of Canada (GSC Open File 829) indicates that the property lies within the Wrangellia Terrane and is cut by a major west-northwest trending fault as shown on Figure 2 in the pocket. North of the fault the most common rocks are fine- to coarse-grained, medium grey-green pyroclastics belonging to the Pennsylvanian to Early Permian Station Creek Formation while south of the fault the predominant units are fine- to coarse-grained sedimentary rocks of the Late Pennsylvanian to Lower Permian Hasen Creek Formation and dark green and maroon amygdaloidal basaltic to andesitic flows of the Upper Triassic Nikolai Greenstone Formation. No detailed geological mapping was done in 1987 but prospecting traverses generally confirmed the GSC work.

No ultramafic rocks were discovered and the only significant aeromagnetic response, as shown on GSC Geophysical Paper 4287, is over the mafic volcanic rocks belonging to the Nikolai Greenstones (see Figure 2). Therefore, it appears that, if present, ultramafic rocks would be confined to a few narrow sills.

### MINERALIZATION

Malachite, chalcopyrite and pyrite are widespread in the Station Creek Formation, particularly the finer-grained, tuffaceous horizons. They usually occur as fracture fillings or disseminations but in a few areas massive lenses up to 10 cm across and 2 m long are developed in narrow shear zones. None of the occurrences are large enough to be potentially economic for copper. No other mineralization was seen.

### SOIL AND ROCK GEOCHEMISTRY

Due to the extreme topography and preliminary nature of the exploration, soil geochemistry was limited to a series of thirty-eight soil samples taken at 100 m intervals along the 1370 m contour across the central part of the property. The samples were taken just above treeline and were intended to test for a large, easily explorable target.

The samples were sent to Bondar-Clegg & Company Ltd. in North Vancouver where they were geochemically analyzed for gold and thirty-three other metals by induced neutron activation, plus platinum and palladium by fire assay. All samples returned background values for the analyzed metals including nickel, cobalt, arsenic, silver and zinc which appear at Wellgreen (copper was not included in the analytical package). The highest gold, platinum and palladium values were 30 ppb, 20 ppb, and 8 ppb, respectively, all from different samples. Three rocks representing the most mafic units were also sent to Bondar-Clegg where they underwent multi-element induced neutron activation analysis and were assayed for platinum, palladium, copper and nickel. All three returned below detection limit values for platinum and palladium. One (a specimen of malachite stained tuff) produced moderate to strongly anomalous assays for copper (3400 ppm), nickel (220 ppm), cobalt (57 ppm), chromium (400 ppm), zinc (260 ppm), silver (8 ppm) and gold (42 ppb). The others returned lower values.

### CONCLUSIONS

The 1987 program was disappointing in that no ultramafic rocks or associated nickel-copper-PGE mineralization were discovered. However, the work was highly preliminary and explored only a small portion of the best exposed part of the property. At the time the work was performed, copper mineralization in pyroclastic rocks was thought to be of little interest but recent work at Wellgreen has shown that, in some instances, significant PGE values can be obtained from this type of mineralization. Although the copper stained sample that was analyzed did not contain PGE's, it was enriched in most of the metals found in the Wellgreen deposit, including some (such as nickel, cobalt and chromium) that suggest an ultramafic affinity.

Considering the property's proximity to Wellgreen and the lack of systematic exploration, a \$30,000 program is recommended for 1988. The work should be done from a camp on the property using the four-wheel drive road for access and include property-wide geological mapping, prospecting and reconnaissance rock and soil geochemical sampling. A proposed budget is shown on the following page.

<u>Labour</u> - Senior supervision 80 hours, geologist and 2 fieldmen 16 days each .....	\$10,500
<u>Geochemical Analyses</u> - 100 rock and 400 soils geochemically analyzed for Pt, Pd, Au, Cu, Ni @ \$21/sample .....	10,500
<u>Room &amp; Board</u> - 58 mandays @ \$65.00/day .....	3,750
<u>Truck Rental &amp; Shipping</u> .....	1,500
<u>Office, Drafting and Printing</u> .....	1,500
<u>Recording Assessment</u> .....	1,000
<u>Management</u> .....	<u>1,250</u>
	TOTAL - <u>\$30,000</u>

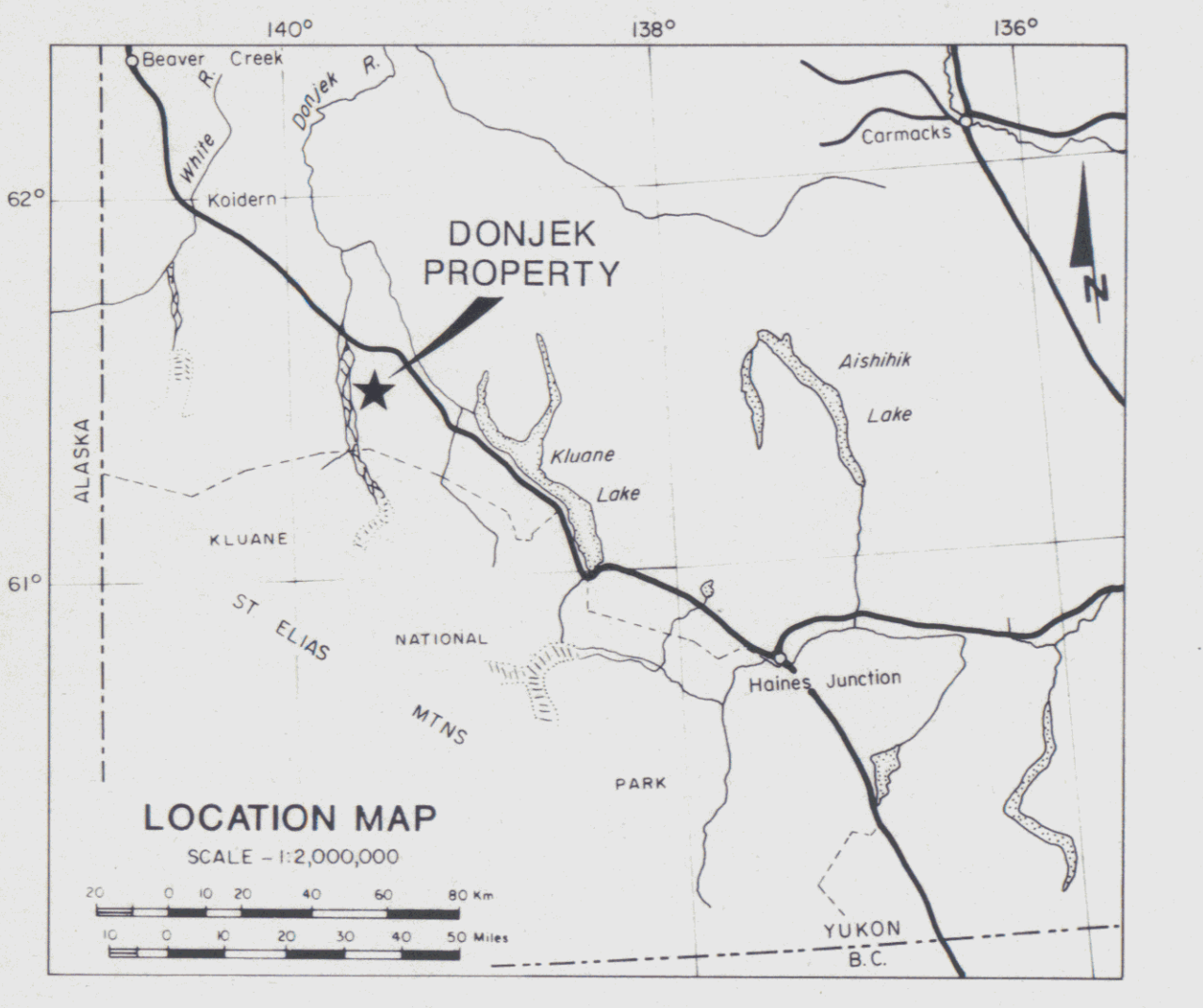
Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



W.D. Eaton, B.A., B.Sc.

/mc



- UPPER TRIASSIC**  
**URN** NIKOLAI GREENSTONES: dark green and maroon amygdaloidal basalt and andesite flows
- LATEST PENNSYLVANIAN TO LOWER PERMIAN**  
**Ps** HASEN CREEK FORMATION: thin bedded siliceous argillite, siltstone, minor greywacke and conglomerate
- PENNSYLVANIAN TO EARLIEST PERMIAN**  
**Pv** STATION CREEK FORMATION: pale green and white siliceous tuff, lithic tuff and volcanic breccia
- Approximate contact
  - Fault
  - Synclinal axis
  - Aeromagnetic contour taken from Geological Survey of Canada Map 4287G
  - Placer mine
  - Soil sample location and number
  - Rock sample location and number
  - Claim post (located and tagged)
  - Claim post (not located)

*W.S. at Dec 15, 1987*

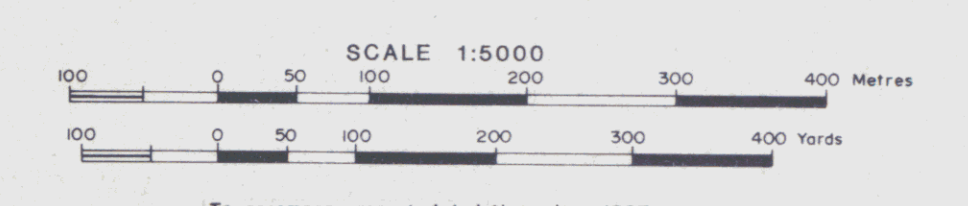
Figure 2

ARCHER, CATIRO & ASSOCIATES (1981) LIMITED

**CLAIMS, GEOLOGY,  
 GEOCHEMISTRY, & AEROMAGNETICS**

**092089**

DONJEK PROPERTY  
 SILVERQUEST RESOURCES LTD.  
 PAK-MAN RESOURCES LTD.



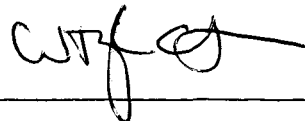
To accompany report dated November, 1987

APPENDIX I  
AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, W. Douglas Eaton, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia, and residential address in Burnaby, British Columbia, do hereby declare:

1. I graduated from the University of British Columbia in 1980 with a B.Sc.
2. From 1971 to the present, I have been actively engaged in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981, became a partner in Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.



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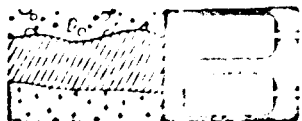
W. Douglas Eaton, B.A., B.Sc.

APPENDIX II  
PERSONNEL

<u>NAME</u>	<u>POSITION</u>	<u>DATES ON PROPERTY</u>
B. Wengzynowski	Prospector/Party Chief	June 7 - 9
K. Stewart	Fieldman	June 7 - 9
J. Sebben	Fieldman	June 9

APPENDIX III  
GEOCHEMICAL AND ASSAY RESULTS

Bondar-Clegg & Company Ltd.  
130 Pemberton Ave.  
North Vancouver, B.C.  
Canada V7P 2R5  
Phone (604) 995-0681  
Telex 04 352477



**BONDAR-CLEGG**

**Geochemical  
Lab Report**

REPORT: 127-4661 ( COMPLETE )

REFERENCE INFO:

CLIENT: ARCHER, CATIRO & ASSOCIATES LTD.  
PROJECT: SQ WASH

SUBMITTED BY: UNKNOWN  
DATE PRINTED: 30-JUL-87

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	30	2 -150	30	ASSAY PREP	30

REPORT COPIES TO: ARCHER, CATIRO & ASSOC.

INVOICE TO: ARCHER, CATIRO & ASSOC.

092089



PROJECT: GO WASH

PG. 1

ITEM	TEST	UNIT	RESULT	REMARKS
JEK	02 R501		<0.002	0.34
	02 R502		<0.002	0.09
	02 R503		<0.002	0.06
02 R504			0.46	1.92
02 R505			0.07	0.36
02 R506			0.09	0.09
02 R507			0.07	0.07
02 R508			0.09	0.09
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02 R600			0.09	0.09

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*[Handwritten Signature]*



REPORT: 127-4661 ( COMPLETE )

REFERENCE INFO:

CLIENT: ARCHER, CATIRO & ASSOCIATES LTD.  
 PROJECT: SQ WASH

SUBMITTED BY: UNKNOWN  
 DATE PRINTED: 30 JUL 87

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	30	5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
2	Sb Antimony	30	0.2 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
3	As Arsenic	30	1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
4	Ba Barium	30	100 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
5	Br Bromine	30	1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
6	Cd Cadmium	30	10 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
7	Ce Cerium	30	10 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
8	Cs Cesium	30	1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
9	Cr Chromium	30	50 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
10	Co Cobalt	30	10 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
11	Eu Europium	30	2 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
12	Hf Hafnium	30	2 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
13	Ir Iridium	30	100 PPB	NOT APPLICABLE	IND. NEUTRON ACTIV.
14	Fe Iron	30	0.5 PCT	NOT APPLICABLE	IND. NEUTRON ACTIV.
15	La Lanthanum	30	5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
16	Lu Lutetium	30	0.5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
17	Mo Molybdenum	30	2 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
18	Ni Nickel	30	50 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
19	Rb Rubidium	30	10 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
20	Sr Samarium	30	0.1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
21	Sc Scandium	30	0.5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
22	Se Selenium	30	10 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
23	Ag Silver	30	5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
24	Na Sodium	30	0.05 PCT	NOT APPLICABLE	IND. NEUTRON ACTIV.
25	Ta Tantalum	30	1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
26	Te Tellurium	30	20 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
27	Tb Terbium	30	1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
28	Th Thorium	30	0.5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
29	Sn Tin	30	200 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
30	W Tungsten	30	2 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
31	U Uranium	30	0.5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
32	Yb Ytterbium	30	5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
33	Zn Zinc	30	200 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
34	Zr Zirconium	30	500 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.

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REPORT: 127-4661

PROJECT: SQ WASH

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Sb PPM	As PPM	Ba PPM	Br PPM	Cd PPM	Ce PPM	Cs PPM	Cr PPM	Co PPM	Cu PPM	Mn PPM
R2 R5005	Jek	42	0.5	4	200	<5	<10	21	<1	400	57	<2	4
R2 R5006		110	1.7	9	680	<5	<10	33	<1	<50	25	<2	<2
R2 R5007		<5	0.6	4	500	<5	<10	34	1	<50	39	<2	4
R2 R5008		10	0.6	4	110	5	10	<10	3	5600	170	<2	<2
R2 R5009		30	0.5	<1	<100	<5	<10	<10	<1	5600	240	<2	<2
R2 R5010		13	3.4	<1	<100	<5	<10	<10	4	5000	140	<2	<2
R2 R5011		<11	11.0	39	180	<5	<10	81	<1	120	760	5	8
R2 R5012		10	7.7	15	<100	<5	<10	20	<1	<50	49	<2	<2
R2 R5013		12	16.0	31	260	<5	<10	<20	<1	<50	580	<2	<2
R2 R5014	28	5.9	543	<100	<5	<10	<35	<1	<50	600	<2	<2	
R2 R5015	<5	2.3	28	<100	<5	<10	18	<1	5100	200	<2	<2	
R2 R5016	<5	0.2	4	<100	<5	<10	<10	<1	5100	95	<2	<2	
R2 R5017	<5	0.4	<1	120	<5	<10	<10	<1	2200	110	<2	<2	
R2 R5018	88	<0.2	<1	<100	<5	<10	<10	4	2200	180	<2	<2	
R2 R5019	190	0.8	<1	<100	<5	<10	<10	<1	2400	180	<2	<2	
R2 R5020	<5	0.7	12	200	<5	<10	16	2	860	61	<2	<2	
R2 R5021	<5	0.7	5	<100	<5	<10	<10	<1	99	49	3	<2	
R2 R5022	32	1.3	<1	110	<5	<10	<10	3	2400	200	<2	<2	
R2 R5023	<5	1.2	<1	5300	<5	<10	34	3	170	99	3	4	
R2 R5025	<5	0.6	10	4700	<5	<10	<10	<1	1300	82	<2	2	
R2 R5026	36	<0.2	<1	<100	<5	<10	<10	4	1900	190	<2	<2	
R2 R5027	19	4.7	8	160	<5	<10	<10	1	1100	190	<2	<2	
R2 R5028	<5	<0.2	<1	<100	<5	<10	12	<1	150	27	<2	<2	
R2 R5029	11	2.3	30	160	<5	<10	29	<1	130	17	<2	<2	
R2 R5030	22	0.6	<1	220	<5	<10	<10	6	140	20	<2	<2	
R2 R5031	12	1.5	4	210	<5	<10	18	<1	51	62	<2	3	
R2 R5032	<5	<0.2	<1	140	<5	<10	<10	<1	130	42	<2	<2	
R2 R5037	<5	0.2	<1	120	<5	<10	17	1	290	57	<2	<2	
R2 R5038	7	0.5	<1	<100	<5	<10	<10	<1	310	57	<2	<2	
R2 R5039	24	0.3	3	<100	<5	<10	<10	<1	340	58	<2	2	

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REPORT: 127-4661

PROJECT: SQ WASH

PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Ir PPB	Fe PCT	La PPM	Lu PPM	Mo PPM	Ni PPM	Rb PPM	Sm PPM	Sc PPM	Se PPM	Ag PPM	Na PCT
2 R5005	Jek	<100	7.8	6	<0.5	9	220	<10	2.6	31.0	<10	8	1.90
2 R5006		<100	7.7	12	<0.5	7	<50	57	3.6	27.0	<10	<5	3.50
2 R5007		<100	5.2	20	<0.5	2	<50	74	5.0	18.0	<10	<5	2.00
2 R5008		<100	11.0	<5	<0.5	<2	200	<10	1.2	18.0	<10	<5	0.45
2 R5009		<100	15.0	<5	<0.5	<2	500	<10	0.7	13.0	<10	8	0.38
2 R5010		<100	10.0	<5	<0.5	<2	300	<10	1.8	19.0	<10	<5	0.27
2 R5011		<100	10.0	19	0.5	<2	300	<10	14.0	26.0	26	<5	0.11
2 R5012		<100	4.2	18	<0.5	<2	350	<10	2.8	2.9	18	7	0.17
2 R5013		<100	3.6	8	<0.5	<2	300	<10	1.6	3.6	<10	<5	0.21
2 R5014	<100	17.0	6	<0.5	<4	2500	<21	1.1	1.2		<5	0.14	
2 R5015	<100	9.0	<5	<0.5	<2	300	<10	1.5	21.0	15	<5	0.33	
2 R5016	<100	5.7	<5	<0.5	<2	990	<10	1.4	54.2	<10	<5	0.27	
2 R5017	<100	7.6	<5	<0.5	<2	300	<10	2.0	49.0	<10	<5	0.30	
2 R5018	<100	11.0	<5	<0.5	<2	300	<10	1.5	18.0	<10	<5	0.40	
2 R5019	<100	12.0	6	<0.5	<2	300	<10	1.8	17.0	<10	<5	0.30	
R5021	<100	8.2	10	<0.5	<2	950	32	4.2	30.0	<10	<5	1.70	
R5022	<100	10.0	11	<0.5	<2	300	22	3.3	16.0	17	10	5.23	
R5023	<100	10.0	<5	<0.5	<2	730	<10	1.3	14.0	<10	<5	0.38	
R5025	<100	6.1	13	<0.5	<2	420	51	5.4	21.0	<10	<5	0.49	
R5025	<100	10.0	6	<0.5	<2	300	28	3.3	26.0	<10	<5	0.70	
R5026	<100	10.0	<5	<0.5	<2	300	<10	1.0	12.0	<10	<5	0.40	
R5027	<100	13.0	6	<0.5	<2	1000	<10	1.8	17.0	<10	<5	0.43	
R5028	<100	5.9	6	<0.5	<2	✓ 130	<10	1.9	22.0	<10	<5	0.20	
R5029	<100	8.0	11	<0.5	<2	✓ 69	14	2.9	11.0	21	<5	3.10	
R5030	<100	9.2	6	<0.5	<2	✓ 60	47	2.9	20.0	<10	38	0.59	
R5031	<100	12.0	7	0.6	<2	✓ 100	<10	4.1	48.0	<10	<5	2.50	
R5032	<100	5.5	<5	<0.5	<2	✓ 100	<10	2.8	43.0	<10	7	1.00	
R5037	<100	8.1	<5	<0.5	<2	140	<10	2.2	43.0	<10	<5	2.00	
R5038	<100	7.5	5	<0.5	<2	100	20	2.2	41.0	<10	<5	2.70	
R5039	<100	8.6	6	<0.5	<2	160	<10	2.4	48.0	<10	<5	3.00	

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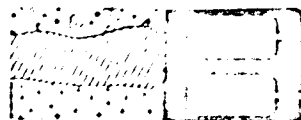
REPORT: 127-4661

PROJECT: SQ WASH

PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Ta PPM	Te PPM	Tb PPM	Th PPM	Sn PPM	W PPM	U PPM	Yb PPM	Zn PPM	Zr PPM
R2 R5005	Jek	<1	<20	<1	2.3	<200	<2	0.8	<5	360	1000
R2 R5006		<1	<20	<1	1.1	<200	<2	0.8	<5	<200	800
R2 R5007		<1	<20	1	4.6	<200	<2	1.6	<5	<200	<500
R2 R5008		<1	<20	<1	<0.5	<200	<2	<0.5	<5	<200	<500
R2 R5009		<1	<20	<1	<0.5	<200	<2	<0.5	<5	<del>200</del>	<500
R2 R5010		<1	<20	<1	1.2	<200	<2	<0.5	<5	<200	<500
R2 R5011		4	<20	2	2.5	<200	<2	<0.5	<5	<200	<500
R2 R5012		<1	<20	<1	1.2	<200	<2	13.0	<5	<200	<500
R2 R5013		<1	<20	<1	<0.5	<200	<2	<0.5	<5	<del>200</del>	<500
R2 R5014		<1	<46	<1	1.6	<200	<2	1.8	<5	<del>200</del>	<500
R2 R5015		<1	<20	<1	1.4	<200	<2	<0.5	<5	<200	<500
R2 R5016		<1	<20	<1	<0.5	<200	<2	<0.5	<5	<200	<500
R2 R5017		<1	<20	<1	<0.5	<200	<2	<0.5	<5	<200	<500
R2 R5018		<1	<20	<1	0.8	<200	<2	<0.5	<5	<200	<500
R2 R5019		<1	<20	<1	<0.5	<200	<2	0.8	<5	<200	<500
R2 R5		<1	<20	1	1.2	<200	<2	<0.5	<5	<del>200</del>	<500
R2 R5021		<1	<20	<1	3.2	<200	<2	1.0	<5	<200	<500
R2 R5022		<1	<20	<1	1.0	<200	<2	<0.5	<5	<200	<500
R2 R5023		<1	<20	<1	1.0	<200	<2	1.3	<5	<200	<500
R2 R5025		<1	<20	<1	1.7	<200	<2	<0.5	<5	<200	<500
R2 R5026		<1	<20	<1	<0.5	<200	<2	<0.5	<5	<200	<500
R2 R5027		<1	<20	<1	<0.5	<200	5	<0.5	<5	<200	<500
R2 R5028		<1	<20	<1	0.7	<200	<2	<0.5	<5	<200	<500
R2 R5029		<1	<20	<1	1.7	<200	<2	1.9	<5	<200	<500
R2 R5030		<1	<20	<1	0.6	<200	<2	<0.5	<5	<200	<500
R2 R5031		<1	<20	1	1.7	<200	<2	0.7	<5	<200	<500
R2 R5032		<1	<20	<1	<0.5	<200	<2	<0.5	<5	<200	<500
R2 R5037		<1	<20	<1	<0.5	<200	<2	<0.5	<5	<200	<500
R2 R5038		<1	<20	<1	<0.5	<200	8	<0.5	<5	<200	<500
R2 R5039		<1	<20	<1	0.5	<200	<2	0.5	<5	<200	<500

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REPORT: 127-4659 ( COMPLETE )

REFERENCE INFO:

CLIENT: ARCHER, CATHERO & ASSOCIATES LTD.

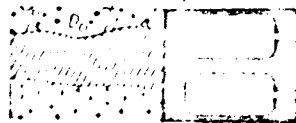
SUBMITTED BY: UNKNOWN

PROJECT: SQ JEK

DATE PRINTED: 19-JUL-87

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	38	5 PPB	NOT APPLICABLE	IND. NEUTRON ACTIV.
2	Sb Antimony	38	0.2 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
3	As Arsenic	38	1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
4	Ba Barium	38	100 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
5	Br Bromine	38	1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
6	Cd Cadmium	38	10 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
7	Ce Cerium	38	10 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
8	Cs Cesium	38	1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
9	Cr Chromium	38	50 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
10	Co Cobalt	38	10 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
11	Eu Europium	38	2 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
12	Hf Hafnium	38	2 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
13	Ir Iridium	38	100 PPB	NOT APPLICABLE	IND. NEUTRON ACTIV.
14	Fe Iron	38	0.5 PCT	NOT APPLICABLE	IND. NEUTRON ACTIV.
15	La Lanthanum	38	5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
16	Lu Lutetium	38	0.5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
17	Mo Molybdenum	38	2 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
18	Ni Nickel	38	50 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
19	Rb Rubidium	38	10 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
20	Sm Samarium	38	0.1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
21	Sc Scandium	38	0.5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
22	Se Selenium	38	10 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
23	Ag Silver	38	5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
24	Na Sodium	38	0.05 PCT	NOT APPLICABLE	IND. NEUTRON ACTIV.
25	Ta Tantalum	38	1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
26	Te Tellurium	38	20 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
27	Tb Terbium	38	1 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
28	Th Thorium	38	0.5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
29	Sn Tin	38	200 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
30	W Tungsten	38	2 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
31	U Uranium	38	0.5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
32	Yb Ytterbium	38	5 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
33	Zn Zinc	38	200 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
34	Zr Zirconium	38	500 PPM	NOT APPLICABLE	IND. NEUTRON ACTIV.
35	Pt Platinum	38	15 PPB	FIRE-ASSAY	
36	Pd Palladium	38	2 PPB	FIRE-ASSAY	

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PROJECT: SQ JEK

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Sb PPM	As PPM	Ba PPM	Br PPM	Cd PPM	Ce PPM	Cs PPM	Cr PPM	Co PPM	Eu PPM	Hf PPM
R5074		10	1.7	8	490	<5	<10	40	2	280	<10	<2	5
R5075		16	2.0	7	280	<5	<10	53	2	180	21	<2	4
R5076		8	1.3	11	550	<5	<10	53	2	240	21	<2	2
R5077		18	1.1	11	630	5	<10	58	<1	220	27	<2	4
R5078		<5	1.2	7	460	6	<10	57	1	300	<10	<2	<2
R5079		16	0.9	8	500	<5	<10	48	2	300	17	<2	4
R5080		16	1.0	9	580	<5	<10	41	4	300	23	<2	3
R5081		11	1.1	9	490	<5	<10	42	2	180	16	<2	4
R5082		8	0.9	9	620	<5	<10	40	2	300	18	<2	5
R5083		12	1.1	9	420	<5	<10	47	2	190	15	<2	3
R5084		13	1.0	10	540	<5	<10	60	3	180	26	<2	4
R5085		30	1.4	12	560	<5	<10	55	3	210	39	<2	<2
R5086		11	0.7	8	330	<5	<10	47	<1	240	<10	<2	4
R5087		6	0.9	6	310	<5	<10	34	1	170	13	<2	4
R5088		<5	0.8	8	430	<5	<10	48	3	320	17	<2	4
R5089		17	0.7	11	600	<5	<10	46	3	110	25	<2	<2
R5090		12	1.0	12	550	<5	<10	51	4	220	22	<2	5
R5091		18	0.9	7	260	<5	<10	39	2	140	<10	<2	5
R5092		5	0.8	8	540	<5	<10	38	2	170	15	<2	3
R5093		20	1.2	12	600	<5	<10	40	4	210	18	<2	4
R5094		<5	1.1	9	490	<5	<10	40	3	230	18	<2	3
R5095		17	1.9	23	620	<5	<10	57	7	190	29	<2	3
R5096		12	1.3	18	560	<5	<10	45	3	350	22	<2	4
R5097		8	1.2	9	510	5	<10	35	2	190	17	<2	3
R5098		<5	1.6	17	550	<5	<10	57	2	420	20	<2	4
R5099		<5	0.5	5	500	<5	<10	29	<1	280	18	<2	2
R5100		5	1.4	13	500	5	<10	47	2	360	20	<2	5
R5101		10	1.2	12	540	<5	<10	50	3	610	27	<2	<2
R5102		12	0.9	8	540	<5	<10	40	3	560	22	<2	4
R5103		<5	0.7	5	470	<5	<10	29	1	280	16	<2	2
R5104		6	0.6	6	560	<5	<10	42	1	350	14	<2	3
R5105		9	1.0	11	510	5	<10	56	5	310	31	<2	4
R5106		<5	1.2	8	530	<5	<10	41	6	460	23	3	3
R5107		<5	0.4	2	450	<5	<10	24	1	190	12	<2	3
R5108		<5	1.2	9	500	5	<10	45	5	520	21	2	4
R5109		10	0.7	7	270	6	<10	53	16	260	47	2	<2
R5110		<5	0.6	6	570	<5	<10	22	1	190	17	<2	4
R5111		5	1.4	21	440	<5	<10	26	3	250	24	<2	3

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REPORT: 127 4659

PROJECT: SQ JEK

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SAMPLE NUMBER	ELEMENT UNITS	Ir PPB	Fe PCT	La PPM	Lu PPM	Mo PPM	Ni PPM	Rb PPM	Sm PPM	Sc PPM	Se PPM	Ag PPM	Na PCT
R5074		<100	2.9	15	<0.5	3	75	37	3.4	12.0	<10	<5	1.70
R5075		<100	5.4	18	<0.5	<2	63	47	4.1	24.0	<10	<5	1.80
R5076		<100	5.9	19	<0.5	<2	<50	44	4.1	20.0	<10	<5	2.30
R5077		<100	4.3	21	<0.5	<2	53	41	4.0	14.0	<10	<5	2.30
R5078		<100	2.6	17	<0.5	5	<50	<10	3.4	10.0	<10	<5	1.70
R5079		<100	3.6	20	<0.5	<2	59	44	3.8	12.0	<10	<5	2.50
R5080		<100	4.4	23	<0.5	<2	<50	42	4.6	13.0	<10	<5	2.10
R5081		<100	4.2	27	<0.5	<2	53	48	4.6	12.0	<10	<5	2.40
R5082		<100	5.2	18	<0.5	4	<50	24	3.6	13.0	<10	<5	2.40
R5083		<100	4.4	20	<0.5	<2	<50	36	4.5	15.0	<10	<5	2.30
R5084		<100	4.7	21	<0.5	<2	<50	30	4.1	16.0	<10	<5	1.90
R5085		<100	4.7	20	<0.5	4	<50	51	4.3	17.0	<10	<5	1.80
R5086		<100	3.1	15	<0.5	<2	<50	19	3.0	9.4	<10	<5	2.00
R5087		<100	2.4	14	<0.5	<2	52	30	2.8	8.4	<10	<5	1.00
R5088		<100	3.0	20	<0.5	<2	<50	27	3.6	11.0	<10	<5	2.20
R5089		<100	9.1	24	<0.5	2	<50	83	4.6	12.0	<10	<5	1.40
R5090		<100	6.5	26	0.5	<2	<50	76	4.7	13.0	<10	10	1.40
R5091		<100	2.8	11	<0.5	2	<50	32	2.3	7.1	<10	<5	9.72
R5092		<100	2.9	16	<0.5	<2	55	26	3.2	7.8	<10	<5	1.90
R5093		<100	4.0	25	<0.5	2	<50	84	4.4	10.0	<10	<5	1.30
R5094		<100	3.3	22	<0.5	<2	<50	39	3.4	10.0	<10	<5	1.90
R5095		<100	6.3	29	0.5	2	<50	68	4.9	16.0	<10	<5	1.30
R5096		<100	5.7	23	<0.5	<2	<50	49	3.8	13.0	<10	<5	1.90
R5097		<100	3.3	20	<0.5	2	<50	34	2.9	10.0	<10	<5	1.60
R5098		<100	5.0	27	<0.5	4	56	38	4.0	15.0	<10	<5	2.10
R5099		<100	4.1	15	<0.5	<2	<50	21	2.6	11.0	<10	<5	3.40
R5100		<100	4.5	24	0.5	3	50	42	3.6	13.0	<10	<5	1.80
R5101		<100	5.3	23	<0.5	3	<50	42	4.4	19.0	<10	<5	1.60
R5102		<100	5.8	24	<0.5	2	<50	33	3.9	16.0	<10	<5	2.40
R5103		<100	4.1	17	<0.5	2	<50	25	2.9	10.0	<10	<5	2.80
R5104		<100	5.5	21	<0.5	<2	<50	22	3.8	16.0	<10	<5	2.70
R5105		<100	5.9	28	0.5	<2	50	49	5.5	28.0	<10	<5	1.80
R5106		<100	5.8	23	<0.5	<2	<50	34	4.4	25.0	<10	<5	2.00
R5107		<100	3.0	14	<0.5	<2	<50	27	2.4	9.4	<10	<5	3.40
R5108		<100	5.0	26	<0.5	3	58	36	4.5	22.0	<10	<5	1.50
R5109		<100	8.9	26	0.5	2	59	25	6.8	55.2	<10	<5	2.20
R5110		<100	4.0	19	<0.5	<2	<50	17	3.2	12.0	<10	<5	2.20
R5111		<100	6.0	19	<0.5	5	69	49	3.8	23.0	<10	<5	1.60

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REPORT: 127 4659

PROJECT: SQ JEK

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SAMPLE NUMBER	ELEMENT UNITS	Ta PPM	Te PPM	Tb PPM	Th PPM	Sn PPM	W PPM	U PPM	Yb PPM	Zn PPM	Zr PPM	Pt PPB	Pd PPB
R5074		<1	<20	<1	3.2	<200	<2	1.5	<5	<200	<500	<15	2
R5075		<1	<20	<1	4.0	<200	<2	1.6	<5	<200	<500	<15	2
R5076		<1	<20	<1	4.1	<200	<2	2.2	<5	<200	<500	<15	4
R5077		<1	<20	<1	5.0	<200	<2	2.7	<5	<200	<500	<15	2
R5078		<1	<20	<1	3.5	<200	<2	2.2	<5	250	<500	<15	4
R5079		<1	<20	<1	2.8	<200	<2	2.3	<5	<200	<500	15	4
R5080		<1	<20	<1	4.2	<200	<2	1.9	<5	<200	950	<15	2
R5081		<1	<20	<1	4.1	<200	<2	1.9	<5	240	<500	15	4
R5082		<1	<20	<1	3.4	<200	<2	2.0	<5	<200	<500	20	4
R5083		<1	<20	<1	4.0	<200	<2	2.0	<5	<200	<500	<15	6
R5084		<1	<20	<1	4.4	<200	<2	2.0	<5	<200	<500	<15	2
R5085		1	<20	<1	3.9	<200	<2	1.6	<5	230	<500	15	2
R5086		<1	<20	<1	3.9	<200	<2	2.2	<5	<200	<500	<15	2
R5087		<1	<20	<1	2.7	<200	<2	1.4	<5	<200	<500	15	2
R5088		<1	<20	<1	3.6	<200	<2	2.0	<5	<200	<500	<15	<2
R5089		<1	<20	1	3.7	<200	<2	2.0	<5	<200	<500	<15	4
R5090		<1	<20	1	4.6	<200	<2	1.7	<5	<200	840	15	2
R5091		<1	<20	<1	2.1	<200	<2	1.2	<5	<200	<500	20	4
R5092		<1	<20	<1	3.6	<200	<2	2.0	<5	<200	<500	20	6
R5093		<1	<20	<1	4.8	<200	2	2.3	<5	<200	<500	<15	4
R5094		<1	<20	<1	4.1	<200	<2	1.6	<5	<200	<500	<15	2
R5095		<1	<20	1	5.0	<200	<2	1.8	<5	540	<500	15	2
R5096		<1	<20	<1	4.6	<200	<2	2.0	<5	220	<500	15	4
R5097		<1	<20	<1	3.5	<200	<2	1.8	<5	<200	<500	<15	4
R5098		<1	<20	<1	5.0	<200	3	2.5	<5	<200	<500	<15	2
R5099		<1	<20	<1	2.7	<200	<2	1.1	<5	<200	<500	15	4
R5100		<1	<20	<1	4.4	<200	<2	2.2	<5	<200	<500	15	4
R5101		<1	<20	1	4.5	<200	<2	2.0	<5	<200	<500	15	4
R5102		<1	<20	<1	3.7	<200	<2	1.8	<5	<200	<500	15	4
R5103		<1	<20	<1	3.1	<200	<2	1.4	<5	<200	<500	15	4
R5104		<1	<20	<1	3.4	<200	2	1.5	<5	<200	<500	15	2
R5105		<1	<20	1	4.3	<200	<2	1.9	<5	<200	<500	15	4
R5106		<1	<20	<1	3.8	<200	<2	1.7	<5	<200	<500	<15	4
R5107		<1	<20	<1	2.4	<200	<2	1.1	<5	<200	<500	<15	2
R5108		<1	<20	<1	4.2	<200	<2	2.0	<5	<200	<500	<15	2
R5109		<1	<20	1	2.7	<200	<2	1.0	<5	240	<500	<15	8
R5110		<1	<20	<1	3.4	<200	<2	1.7	<5	<200	530	15	2
R5111		<1	<20	<1	2.9	<200	<2	2.3	<5	270	520	<15	6

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