

091952

SOIL GEOCHEMICAL SURVEY

on part of the

RM 1-27 MINERAL CLAIMS

WHITEHORSE MINING DISTRICT

YUKON TERRITORY

N.T.S. 105 D-3, 105 D-6

by

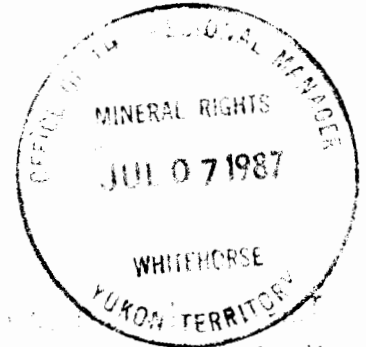
IAN COSTER B.SC. F.G.A.C.

SKUKUM VENTURES INC.

706-595 HOWE STREET

VANCOUVER, B.C.

V6C 2T5



June 9, 1987

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 \$ 2700.00 .

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

091952

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INTRODUCTION

This report describes a soil sampling (and talus fines sampling) survey carried out on the RM 13-20 claims which forms part of the RM 1-27 claims located in the Wheaton River valley, south of Whitehorse, Yukon.

A 1,550m long baseline was established which traverses a thin strip of residual soil, between Wheaton River fluvial deposits and coarse talus. Soil samples were collected from the 50m x 30m grid. As well, a traverse was conducted near the base of outcrop, higher up in elevation, in order to collect talus fines samples and marginally prospect the geology.

LOCATION AND ACCESS

The RM 1-27 claims are a contiguous group of mineral claims located in southwestern Yukon Territory. Specifically, the claims straddle the Wheaton River, although most of them are on the north side roughly between Dawson Charlie Ck. and Dail Ck. The centre of the claim block is at approximately 60 14'N latitude and 135 7'W longitude.

Access to the property is provided by an all-weather road running along the south side of the Wheaton River. This road is accessed via the Annie Lake Road which in turn is accessed by the road linking Carcross with Whitehorse. Total distance by road from Whitehorse to the claim group is approximately 80 Km (50 miles). During the course of the survey the property was accessed by fording the Wheaton River by foot, from the road.

PROPERTY

The claims discussed in this report consist of 27 claims staked under the Yukon Quartz Mining Act totalling approximately 537 hectares (1,326 acres). The claims are listed as follows:

<u>NAME</u>	<u>NUMBER</u>	<u>EXPIRY DATE</u>
RM 1-27	YA94645-671	28 May 1987

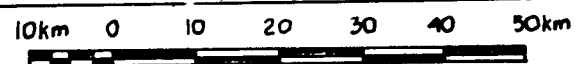
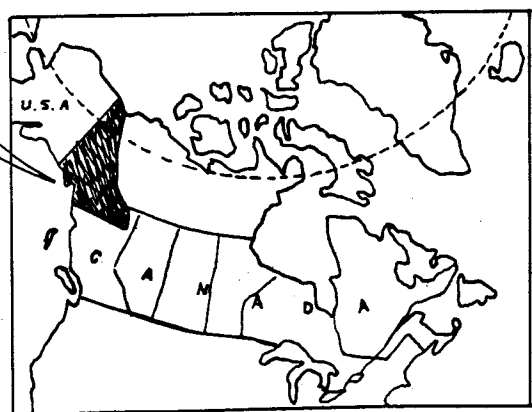
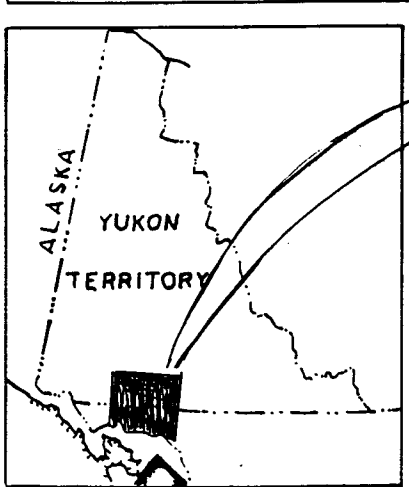
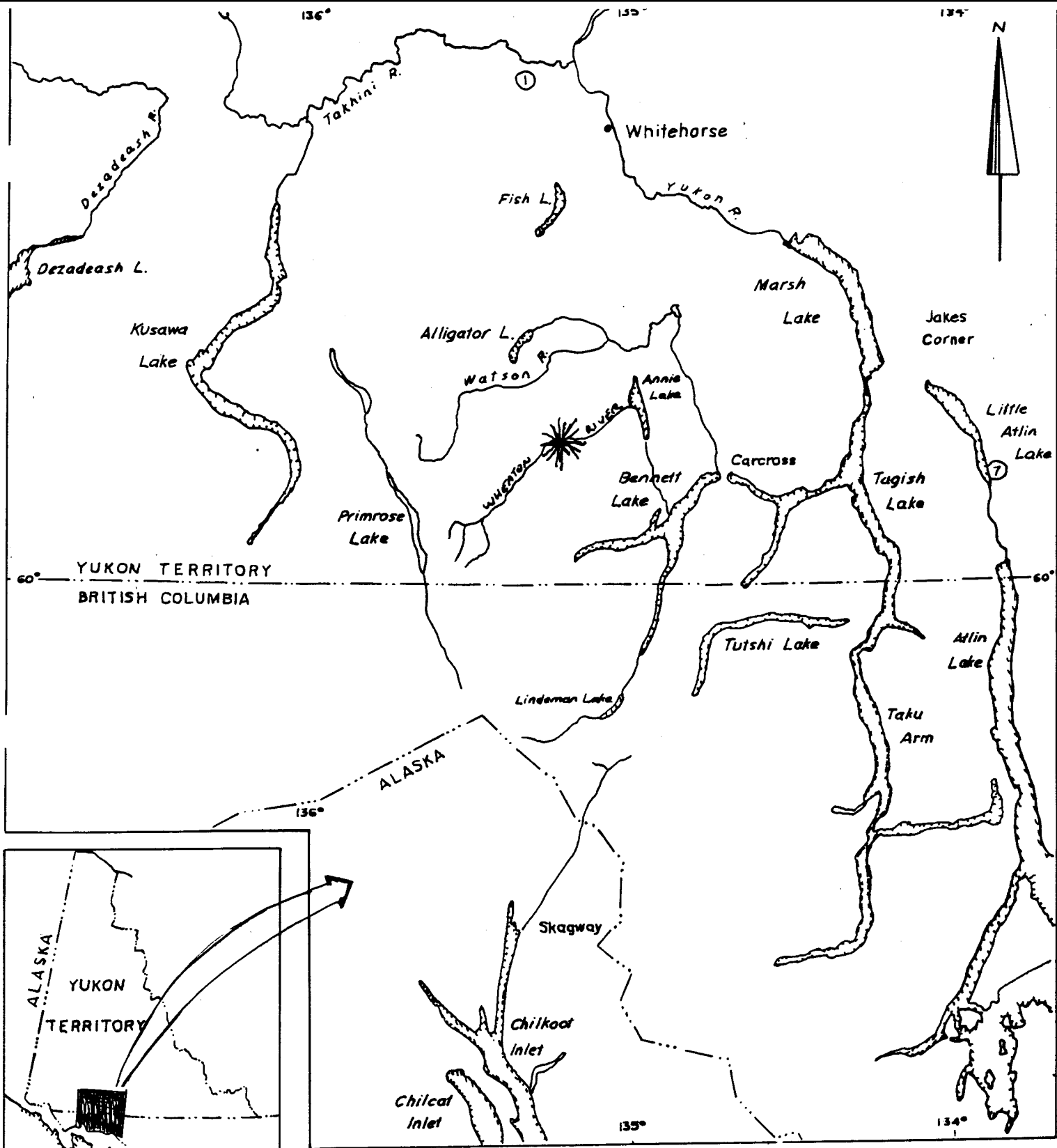
These claims are shown on D.I.A.N.D. Quartz and Placer Sheets 105 D-3 and 195 D-6, and are within the Whitehorse Mining District. All the claims are 100% owned by Skukum Ventures Inc. For assessment purposes, the claims have been grouped as follows:

Group 1: RM 7, 9, 10, 17-20, 22-27

Group 2: RM 1-6, 8, 11-16, 21

PREVIOUS WORK HISTORY

No work has ever been recorded on the ground presently covered by the RM 1-27 group. However, the Wheaton River area is prolific in various mineral deposits, including the producing Mt. Skukum Au, Ag mine (Total Erickson, AGIP) and the Skukum Creek Au, Ag deposit (Omni Res.), both located approximately 12km to the west; the Becker-Cochrane Sb deposit (Berglynn Res.), located approximately 8 km to the southwest; as well as numerous other Au, Ag, Pb, Sb showings located within a ten km radius.



SKUKUM VENTURES		
LOCATION MAP		
JUNE '87	SCALE 1:1000 000	FIGURE 1

PERSONNEL

The geochemical survey was carried out by Ian Coster and Bruce Richardson of Skukum Ventures Inc. Data Compilation and report preparation was completed by Ian Coster. Mike Genn drafted the 1:2,500 scale map (in pocket).

CLIMATE, TOPOGRAPHY AND VEGETATION

The climate in the Wheaton River area is variable with hot summers enhanced by 18-20 hours of daylight, and long cold winters. Precipitation is relatively light (40cm) with about half falling as rain. The rivers are open from early May to late October.

Topography consists of upland plateau, incised by v-shaped drainage systems. The average elevation of the plateau surface is approximately 5,000 ft.(1,525m), giving a relative relief in the area of approximately 3,000 ft. (900m). Relief on the RM claim group is in the order of 2,000 ft.(600m).

Vegetation is typically alpine above the 1,200m elevation where stunted willow, alpine grasses and shrubs thrive. In the lower creek valleys, mixed spruce and poplar forests prevail.

REGIONAL GEOLOGY

The RM 1-27 claim group lies on the eastern edge of the Coast Plutonic Belt. The region was mapped in detail by J.O. Wheeler of the G.S.C. and reported on in 1961. In general, he concludes that this part of the Coast Plutonic Belt comprises foliated and non-foliated Mesozoic granitoid rocks flanked by

metamorphosed and unmetamorphosed sedimentary and volcanic rocks. Irregular belts of metavolcanic and metasedimentary rocks, of Mesozoic, Paleozoic and Precambrian age occur as roof pendants. All of the above geology is overlain and intruded by a coeval suite of Tertiary (?) rhyolite to andesite flows, dikes and stocks. Most mineral occurrences in the Wheaton River area are associated with the Tertiary igneous event.

PROPERTY GEOLOGY

Prospecting briefly along the base of the rock outcropping on the RM claims while sampling the talus fines, has found that the property is overlain, in part, by coarse grained granodiorite cut by rare andesite rhyolite, and lamprophere dikes.

GEOCHEMISTRY PROCEDURE

A 1,550m long baseline, having an azimuth of 060° was established through claims RM 13, 15, 17, 19, or approximately along a narrow belt of residual soils lying between Wheaton River fluvial deposits and coarse talus derived from higher elevations. Lines normal to the baseline were established at 50m intervals with sample stations every 30m along the lines. Horizontal development of the soils was poor to moderate, with the "B" horizon the preferred medium.

As well, samples of fine talus material were collected within 100m of the base of the outcrop at approximately the 3,800 foot elevation. Samples were collected at approximately 30m intervals.

A total of 194 samples were collected, with 53 of them being talus fines. All samples were geochemically analyzed (-80 mesh fraction) for Au, Ag, As, Sb, Pb, and Zn at Acme Analytical Laboratories Ltd.

Silver, lead, zinc, arsenic, and antimony were determined from a 0.50g sample by ICP (Induced Coupled Plasma) analysis after digestion in a hydrochloric-nitric acid solution and are reported in ppm. Gold was analyzed by conventional AA (Atomic Absorption) techniques from a 10g sample and are reported in ppb.

RESULTS

None of the samples returned anomalous in Pb, As or Sb. There is a single very weak zinc anomaly at L2+OOE, O+60S, but this result is not deemed significant. A total of 25 samples returned anomalous in gold (" 50 ppb). Of these, 19 were of talus fine material, and these are grouped in several distinct clusters.

The cluster furthest to the east consists of 5 samples ranging from 52 to 840 ppb Au. These samples were collected immediately downslope from a rhyolite dike noted during the sampling.

The next cluster is centered approximately 300m to the south west of the first cluster and consists of 6 samples ranging from 51 to 650 ppb Au. These samples were collected immediately down slope of weakly propylitized (chlorite-epidote fractures) granodiorite, but may also be due to the previously-mentioned rhyolite dike, which strikes southwesterly.

The third gold anomaly is very poorly defined in that the anomalous samples are from a single traverse line along the base of outcrop, providing 18 samples, 8 of which are anomalous. These 8 samples broadly define a 500m long anomaly ranging from 50 to 395 ppb Au. Upslope geology is granodiorite cut by andesite porphyry and biotite lamprophere dikes. A weakly carbonatized weak shear was also noted, trending approximately 135°.

The remaining 6 anomalous gold samples were from soils on the grid and except for L13+00E , are single point, weak anomalies. Samples 10+50E, 1+50N (139 ppb Au) and 13+00E, 0+90N (141 ppb Au), 13+00E, 1+20E (142 ppb Au) and 13+00E, 2+70N (116 ppb Au) may reflect gold from underlying geology (eg. from truly residual soils), but more probably reflects mechanically transported gold from upslope, related to the more easterly talus fine anomalous gold cluster.

CONCLUSIONS

The soil and talus fine sampling program was successful in grossly outlining areas of potential gold mineralization. Except for 25 gold, a single weak silver, and a single weak zinc anomaly, no other elements analyzed were anomalous. Of initial importance is the anomalous area downslope from the rhyolite dike on the north side of claims RM 16.

RECOMMENDATIONS

It is recommended that the outcrop on claims RM 26, 27, 24, 25, 22, and 23, be initially prospected. These claims lie directly northwest of most of the anomalous gold in talus fine samples (claims RM 18, 16). Any quartz veining, rhyolite diking and alteration should be sampled and geochemically analyzed for Au, Ag.

If the prospecting is successful in location veins, rhyolites, and/or alteration, a 1:2500 scale topographic map should be produced from a blow-up of existing 1:50,000 N.T.S. topographic maps (105 D-3, 105 D-6). All existing geochemical data and geology should then be reproduced on the 1:2500 topographical map, and then all outcropping geology should be mapped, prospected and sampled in detail, using the 1:2500 topographical map for control.

Respectfully submitted,



Ian Coster B.Sc. F.G.A.C

REFERENCES

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1987 Summary Report; Wheaton Gold Property Joint
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 Geological Consultants Inc. for Skukum
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- Lambert, M.B.
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- Wheeler, J.O.
1961 Whitehorse Map Area, Yukon Territory, 105 D,
 G.S.C. Memoir 312.
- Pride, M.J.
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 Skukum Volcanic Complex, 105 D-2, 3, 4, 5.
 Exploration and Geological Services Division,
 Yukon; Indian and Northern Affairs Canada.
 Open file, 1:25,000 scale map.

STATEMENT OF QUALIFICATIONS

I, Ian P.D.A. Coster of P.O. Box 27, Atlin, B.C., hereby certify that:

- 1) I am a geologist with Skukum Ventures Inc. of 706-595 Howe Street, Vancouver, B.C.;
- 2) I obtained a Bachelor of Science degree in geology from the University of British Columbia, in 1981;
- 3) I am a fellow of the Geological Association of Canada, and a member of the Prospectors and Developers Association;
- 4) I have been engaged in mineral exploration since 1979 in Ontario, Quebec, N.W.T., British Columbia and Yukon;
- 5) I was involved in the geochemical surveying of the RM claims and am the author of this report;
- 6) I have not recieved or expect to recieve any interests or securities, directly or indirectly of Skukum Ventures Inc., nor do I expect to receive any.

Dated, this 9th of June, 1987



Ian P.D.A. Coster B.Sc., F.G.A.C.

STATEMENT OF COSTS

1987 Assessment Valuation; RM 1-27 Mineral Claims, Whitehorse M.D., Yukon

Ian Coster, B.Sc., F.G.A.C. of Atlin, B.C. 6 days @ \$120.00/day	\$720.00
Bruce Richardson, Student of Vancouver, B.C. 5 days @ \$67.00/day	\$335.00
Mike Genn, B.Sc., of Vancouver, B.C. 1/2 day @ \$67.00/day	\$33.50
Camp Costs 11.5 man days @ \$35.00/day	\$402.50
Truck Costs 5 days @ \$50.00/day	\$250.00
Analytical Costs 194 samples @ \$9.25/sample	\$1,794.50
Shipping	\$100.00
Report Preparation Typing, copying, binding	\$100.00
TOTAL 1987 EXPENDITURES	\$3,735.50



SKUKUM VENTURES
INC.

RM CLAIMS
(13-20)

— GEOCHEMISTRY MAP —
SOIL SAMPLES and
TALUS FINES SAMPLES (1286)

Dates Surveyed: May 21-24, 1987	By: Bruce Richardson Ian Coster
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LEGEND

- SOIL SAMPLE Au (ppb)
Ag (ppm)
- TF TALUS FINES SAMPLE Au (ppb)
Ag (ppm)
- CLAIM POST, LOCATED
- " " LOCATION ASSUMED
- SOUTHERN EXTENT OF OUTCROP
- - - SOUTHERN EXTENT OF TALUS
- - - NORTHERN EXTENT OF FLUVIUM
- == ROAD (POSITION APPROXIMATED)
- 66° FRACTURE ATTITUDE
- SHEAR

ACME ANALYTICAL LABORATORIES
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: MAY 26 1987

DATE REPORT MAILED: *May 29/87...*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: P1-4 SOILS P5-6 TALUS FINES AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toy* DEAN TOYE, CERTIFIED B.C. ASSAYER

SKUKUM VENTURES PROJECT - RM CLAIMS File # 87-1432 Page 1

SAMPLE#	FB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	AU* PPB
13+00E 0+30N	10	141	.2	2	3	1
13+00E 0+60N	15	92	.3	6	2	1
13+00E 0+90N	8	37	.1	3	2	141
13+00E 1+20N	16	59	.1	5	2	142
13+00E 1+50N	18	68	.1	8	2	1
13+00E 1+80N	12	161	.2	2	2	1
13+00E 2+10N	6	97	.1	2	2	10
13+00E 2+40N	11	83	.2	2	2	4
13+00E 2+70N	10	105	.1	4	2	116
13+00E 3+00N	9	53	.3	2	2	1
13+00E 3+30N	10	72	.1	3	2	2
12+50E 1+20N	10	46	.1	2	2	1
12+50E 1+50N	11	65	.1	5	2	1
12+50E 1+80N	11	56	.1	3	2	1
12+50E 2+10N	7	66	.1	2	2	1
12+50E 2+40N	9	98	.1	2	2	3
12+50E 2+70N	13	80	.1	2	2	4
12+50E 3+00N	10	61	.1	3	2	3
12+50E 3+20N	9	58	.1	2	2	1
12+00E 1+20N	10	47	.1	3	2	1
12+00E 1+50N	10	60	.1	2	2	2
12+00E 1+80N	10	76	.1	2	2	1
12+00E 2+10N	6	63	.1	2	2	1
12+00E 2+40N	8	109	.1	2	2	1
12+00E 2+70N	11	78	.1	2	2	28
11+50E 1+20N	11	54	.1	2	2	1
11+50E 1+50N	11	62	.1	5	2	1
11+50E 1+80N	12	80	.1	3	2	1
11+50E 2+10N	9	56	.1	2	2	1
11+50E 2+40N	13	142	.1	2	2	4
11+50E 2+75N	9	59	.2	2	2	1
10+50E 0+60N	14	64	.1	8	5	1
10+50E 0+90N	9	60	.2	3	2	5
10+50E 1+20N	11	53	.1	2	2	1
10+50E 1+50N	8	57	.1	2	2	139
10+50E 1+80N	10	49	.1	2	2	11
STD C/AU-S	36	134	7.1	40	15	49

SAMPLE#	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	AU* PPB
10+50E 2+10N	18	72	.3	7	2	1
10+00E 1+00N	13	60	.2	2	2	1
10+00E 1+25N	11	51	.1	3	2	1
10+00E 1+50N	12	55	.1	3	3	2
10+00E 1+75N	13	54	.1	2	2	1
9+60N 0+00S	17	46	.2	5	2	1
9+50E 1+20N	16	71	.1	2	2	1
9+50E 1+50N	11	59	.1	2	2	11
9+00E 0+00N	17	60	.1	6	2	1
9+00E 0+90N	14	90	.1	2	2	1
9+00E 1+20N	13	60	.1	2	2	1
9+00E 1+50N	20	61	.2	6	2	1
8+50E 0+90N	12	60	.1	2	2	1
8+50E 1+20N	12	96	.1	2	2	1
8+50E 1+45N	10	67	.1	2	2	1
8+00E 0+90N	12	59	.1	2	2	1
8+00E 1+20N	12	73	.2	2	2	1
7+50E 0+00N	12	40	.1	4	2	1
7+50E 0+30N	14	101	.2	3	2	2
7+50E 0+60N	17	88	.1	2	2	1
7+50E 0+90N	12	64	.1	2	2	2
7+50E 1+20N	48	102	.5	4	2	2
7+50E 1+40N	43	97	.4	3	2	4
7+00E 0+30S	9	140	.1	3	2	1
7+00E 0+00N	14	87	.1	2	3	55
7+00E 0+30N	12	64	.1	3	2	1
7+00E 0+60N	17	161	.1	2	2	1
7+00E 0+90N	12	129	.1	3	2	1
7+00E 1+20N	9	70	.1	2	2	1
6+50E 0+00N	9	48	.1	2	2	1
6+50E 0+30N	10	53	.1	2	2	1
6+50E 0+60N	13	109	.1	2	2	11
6+50E 0+90N	12	79	.1	2	2	22
6+50E 1+10N	13	107	.1	2	2	4
6+00E 0+00N	14	48	.1	2	2	1
6+00E 0+30N	17	75	.2	2	2	1
STD C/AU-S	38	140	7.1	41	18	49

SAMPLE#	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	AU* PPB
6+00E 0+60N	13	89	.1	2	2	4
5+50E 0+30N	7	90	.1	2	2	2
5+50E 0+00N	11	27	.1	2	2	7
5+50E 0+30S	9	142	.2	3	2	3
5+50E 0+70S	12	72	.1	4	2	1
5+50E 0+90S	8	73	.1	2	2	53
5+50E 1+20S	14	71	.1	4	2	48
5+00E 0+30S	18	75	.2	8	2	5
5+00E 0+60S	15	70	.1	5	2	1
5+00E 0+90S	17	98	.1	7	2	1
4+50E 0+00S	20	291	.5	2	2	1
4+50E 0+30S	16	82	.3	6	2	1
4+50E 0+60S	8	59	.2	2	2	1
4+00E 0+00S	11	153	.1	4	2	3
4+00E 0+30S	9	91	.1	2	2	2
4+00E 0+60S	6	41	.1	2	2	1
3+50E 0+00S	19	101	.4	9	2	1
3+50E 0+60S	11	60	.1	3	2	4
3+00E 0+00S	3	97	.2	2	2	1
3+00E 0+60S	12	65	.1	6	2	1
2+50E 0+00S	12	92	.3	8	2	2
2+50E 0+30S	8	59	.1	2	2	1
2+50E 0+60S	10	51	.1	3	2	1
2+50E 0+90S	10	72	.1	3	2	1
2+00E 0+30N	15	112	.1	2	2	1
2+00E 0+00N	14	98	.1	4	2	1
2+00E 0+30S	9	121	.1	2	2	1
2+00E 0+60S	15	295	.1	3	2	1
2+00E 0+90S	20	84	.2	3	2	3
1+69E 0+00S	11	79	.1	3	2	1
1+00E 0+30N	16	79	.1	5	2	12
1+00E 0+00N	10	150	.1	2	2	2
1+00E 0+30S	13	63	.2	3	2	46
1+00E 0+60S	7	39	.1	2	2	1
1+00E 0+90S	12	79	.2	4	2	3
1+00E 1+20S	6	56	.1	3	2	1
STD C/AU-S	37	131	6.7	44	18	52

SAMPLE#	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	AU* PPB
0+50E 0+00S	7	195	.4	2	2	1
0+50E 0+30S	19	77	.1	4	2	7
0+50E 0+60S	12	64	.1	2	2	3
0+50E 0+90S	13	93	.1	4	2	3
0+50E 1+20S	9	55	.1	2	3	1
0+00E 0+10S	4	161	.7	2	2	1
0+00E 0+50S	15	96	.1	3	2	8
0+00E 0+75S	11	49	.1	2	2	1
0+00E 1+00S	11	79	.1	2	2	5
0+00 E _S 5+00 S _E	10	57	.1	3	2	1
0+00S 0+50W	11	155	.1	3	2	1
0+00S 1+00W	18	73	.1	6	2	7
0+00S 1+50W	12	88	.1	2	2	1
0+00S 2+50W	15	120	.1	2	2	1
0+50W 0+30S	11	56	.2	2	2	6
0+50W 0+60S	12	98	.1	2	2	9
1+50W 0+30S	13	50	.1	2	2	2
1+50W 0+60S	10	47	.1	4	2	7
1+50W 0+90S	12	51	.1	2	2	3
1+50W 1+50S	13	56	.1	2	2	15
1+50W 1+80S	13	67	.1	2	2	8
2+00W 0+30S	13	57	.1	2	2	1
2+00W 0+60S	13	61	.1	2	2	5
2+00W 0+90S	10	59	.1	2	3	1
2+00W 1+20S	15	74	.1	5	2	13
2+00W 1+50S	15	59	.1	2	2	2
2+00W 1+80S	6	75	.1	4	2	1
2+00W 2+10S	10	108	.1	3	2	1
2+50W 0+60S	14	100	.1	2	2	2
2+50W 0+90S	10	54	.1	2	2	1
2+50W 1+20S	12	60	.1	2	2	1
2+50W 1+50S	8	108	.1	4	2	1
2+50W 1+80S	12	129	.1	2	2	1
2+50W 2+10S	10	90	.1	3	2	3
2+50W 2+40S	10	89	.1	2	2	3
STD C/AU-S	35	133	6.9	44	16	49

SAMPLE#		PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	AU* PPB
0+30m	11+50m	13	77	.1	3	2	2
0+65m	11+50m	11	75	.2	2	2	1
1+05m	11+50m	27	85	.1	2	2	39
1+40m	11+50m	59	95	.3	2	2	63
1+80m	11+50m	30	79	.1	2	2	52
2+20m	11+50m	17	137	.1	2	2	2
2+60m	11+50m	23	97	.2	2	2	33
3+00m	11+50m	14	86	.1	4	2	1
3+37m	11+50m	24	72	.2	2	2	625
3+75m	11+50m	44	88	1.6	5	2	59
4+15m	11+50m	24	77	.2	6	2	12
4+55m	11+50m	16	72	.1	2	2	18
4+95m	11+50m	15	65	.1	2	2	650
5+35m	11+50m	16	102	.3	2	2	5
5+75m	11+50m	16	95	.2	4	2	8
6+15m	11+50m	24	103	.2	7	2	6
6+55m	11+50m	6	32	.1	2	2	1
6+95m	11+50m	14	87	.1	2	2	8
7+35m	11+50m	20	185	.2	2	2	9
7+75m	11+50m	39	88	.5	4	2	225
8+15m	11+50m	21	82	.2	2	2	50
8+55m	11+50m	21	100	.4	2	2	77
8+95m	11+50m	14	81	.1	3	2	14
9+35m	11+50m	16	73	.1	4	2	30
9+75m	11+50m	23	93	.3	4	2	65
10+15m	11+50m	25	67	.1	2	2	81
10+55m	11+50m	17	78	.2	2	2	33
10+95m	11+50m	28	79	.3	3	3	395
11+35m	11+50m	25	87	.2	4	2	38
11+75m	11+50m	27	95	.3	6	2	133
12+15m	11+50m	21	84	.1	2	2	12
STD C/AU-S		36	132	6.8	40	18	52

SAMPLE#	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	AU* PPB
38+00' 0+10E	14	69	.3	3	2	1
38+60' 0+30W	19	72	.1	2	2	2
39+00' 0+60W	50	58	.3	2	2	260
39+10' 0+90W	44	56	.6	2	2	92
39+70' 1+25W	19	60	.1	5	2	840
39+60' 1+60W	28	82	.1	5	2	18
39+60' 1+95W	29	86	.1	3	2	16
39+60' 2+25W	36	115	.2	2	2	18
39+20' 3+00W	21	74	.2	3	2	32
39+20' 3+50W	25	66	.1	2	2	115
39+30' 3+90W	23	97	.2	3	2	164
39+00' 4+30W	34	82	.4	6	2	51
39+00' 4+60W	29	83	.1	2	2	17
39+20' 5+20W	8	45	.2	4	2	5
39+20' 5+50W	22	74	.1	2	2	1
39+30' 5+80W	13	71	.1	2	2	3
39+50' 6+20W	19	81	.2	5	2	173
39+50' 6+50W	21	80	.1	4	2	45
39+50' 6+95W	14	83	.1	4	2	6
39+40' 7+25W	25	72	.1	2	2	15
STD C/AU-S	41	129	6.8	39	17	48