GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORTS

> DATE RECEIVED JUN 0 7 1996



1995 PROSPECTING REPORT

COMET GROUP OF MINERAL CLAIMS

for

INTERNATIONAL TOURNIGAN CORPORATION OWNER-OPERATOR

BEAR PASS AREA Skeena Mining Division

Mineral Map 104A4E/W Latitude 56° 7.5'N Longitude 129° 46'W



by

David Javorsky Prospector December 1995 OLOGICAI BRAN SSESSMENT REPOR

TABLE OF CONTENTS

Í

Í

Î

Ĵ

ļ

l

INTRODUCTION	1
MAP NO. 1 - GENERAL LOCATION	2
MAP NO. 2 - CLAIM MAP 104A4W	. 3
LOCATION AND ACCESS	4
HISTORY	4
NEWSPAPER CLIPPING FROM 1928	5
NEWSPAPER CLIPPING FROM 1929	6
NEWSPAPER CLIPPING COMET VEIN	7
MAP NO. 3 - PREMIER-LAND STATUS	8
MAP NO. 4 - PREMIER-VALLEY CROSS SECTION	9
MAP NO. 5 - PREMIER-COMET VEIN	10
MAP NO. 6 - BCYCM COMET VEIN	11
1995 EXPLORATION PROGRAM	12
MAP NO. 7 - PHYSICAL WORK	13
PROSPECTING	14
Traverse A - Description of Samples	14a
Traverse A - Map	14 ø
Traverse B - Description of Samples	15
Traverse C - Description of Samples	16
Traverse D - Description of Samples	17
Traverse C-D-I - Map	18
Traverse E - Description of Samples	19
Traverse E - Map	20
Traverse F - Description of Samples	21
Traverse F - Map	22
Traverse G - Description of Samples	23
Traverse H - Description of Samples	24
Traverse H - Map	25
Traverse I - Description of Samples	26
COST OF STATEMENT	27
STATEMENT OF QUALIFICATIONS	28
REFERENCES	29
ASSAYS	31

- 1 -

INTRODUCTION

During the summer of 1995, an exploration program was conducted in the Bear Pass Area, on the Comet group of claims. This claim group lies approximately 25 kms northeast of Stewart, B.C.

The prospecting defined a mineralized iron-carbonate-barite sedimentary exhalative zone over 1,000 metres long and over 10 meters wide.

Newspaper reports from the 1920's and 30's indicate precious metal values were found on the old comet crown granted claims.

The old blast pits were resampled, and some new trenching was done across the eastern end of the zone to get to fresh rock.

While the samples assayed low, the zone cannot be written-off yet because we were unable to sample showings on the cliffs or the middle hanging valley below Rufus Glacier.

Further exploration should be done to the west where Erickson Vein intersects this comet sed-x mineralized zone.



- 3 -5 MAP 2 Claim Map JO 2 J0 3 323130 ѕ но ш 323136 323137 1NX5# 111256 1 18354 Map: 104A/ 4 W 1NXSH <u>د</u> 232050 049 AL 4 232011 232012 NOW Scale 1:50,000 232052 232051 0 AL 3 323132 323131 888019 16354 WOLF 2 1635 WOLF 1 05 232040 GR u D 316979 DOC #3 WOL 13 9281(4) 216978 316989 68836 4NX3W (219223) Fails 622:952 6NX3W 32163 301057 1NX1 1 219242 200 . 225788 223789 354671 213917. 201 1075 43058 GLAD 10 076 GLAD 9 32A389 324388 -rei 662(3) . 220446 COMET GROUP 387/4 RCG L-3422 COMET No4, 250485 RCGL-3423 VETERAN, 250486 202 RCGL-3426 VETERAN 63,250487 COMET 3 fr., 300899 4167 72002 220115 CANTI 325272 LA0 5 VETERAN. 334671 (3424) 324384 5137 VS COMET, 50.14 33467z 718 M A 62:56:6 223676 2 GLAD 2 313750 7704 ITC 343058 GLAD 6 Ő... G.E March 12 1996 COMET GROUP + Mar Event No 3083314 15 324386 GLAD 7 RUBY SILVER 3 SARAH 10 ٥ 324385 253116 336016 6633 INERO/ .3 MINERAL CLAIM MAP '* CLAIM LOCATION

LOCATION AND ACCESS

The center of the Comet-Veteran claim (LCP) is located on Mineral Claim Map sheet 104A-4W at approximate latitude 56°7.5' North and longitude 129°46' West. Approximately 25 kms northeast of Stewart, B.C., adjacent to and north of the Bear Pass Highway.

The Bear Pass is a glacier carved valley with very steep walls. While there are horse trails that were built to the showing during the 1930's, and are occasionally cut out. It is a steep climb. Helicopters are the preferred method of travel in this area. A good landing spot is available on the comet trenches and a helicopter is based at Stewart, B.C.

Below the landing spot for the helicopter, right at the crest of the ridge formed by the comet vein-ledge, a camp was set up on the only flat spot big enough to lay out a sleeping bag. A picket was pounded into the ground to tie all measurements to.

HISTORY

Newspaper clippings from 1928 and 1929 show that work was being done on the Comet vein by various companies. The George Copper deposit was located adjoining the Comet property, in the cliffs to the southeast across Bear Pass Valley. The George Copper received a lot of attention before the 1929 depression and was drilled by the Consolidated Mining Company. It contained high grade copper and associated gold values. The Comet was a "close by" property. It was privately developed by the Comet Mining Company and later incorporated into the holdings of the Rufus-Argenta Mines Ltd., which it adjoined to the west.

During the 1930's the Premier Mine staff mapped the comet vein. Map 3 Premier-Land Status, Map 4 Premier-Valley Cross Section, and Map 5 Premier, Comet Vein, show their work.

An undated promotional map was found in the files of the B.C. and Yukon Chamber of Mines showing the comet vein. See Map 6 BCYCM, comet vein. The high assay values shown on the map were not duplicated. The old sample site "B" at the shaft failed to produce values, and the old sample site "D" was unattainable without climbing ropes.

A Digem airborne geophysical survey was ran by KLR Resources Inc. in 1990 over the claims and showed a weak anomality on the boundary of the Barite #1 (L-5342) and Barite #5 fr. (L-5345) claims. This anomality was located and sampled. A 2 meter by 10 meter alteration zone was found hosting a 0.1 meter wide grey quartz vein with minor pyrite mineralization. Sample #2124 is from the vein material. The vein laid above the footwall and below the alterational zone.

The old shaft on the blue vein shown on the Premier Map and also undated map was filled in by glacial gravel.

The old shaft on the Comet vein also shown on these maps was opened up, sampled and did not reproduce the earlier sampling.

ARGENTA-RUFUS Market A new company called the Rufus and Argenta Mines,

A new company called the fiftus and Argenta Mines, Limited is being formed to handle these two properties. Associated with the new company are James W. Gerard, formerly United States Ambassador to Germany, and the Maleus Daly Estate, which is prominently interested in Anaconda. Ambassador Gerard was interested in the Bayonne Camp, South Kootenay, while the Daly interests were prominently identified with development of the Hedley Gold Mines, so neither is new to B. C. The new arrangement provides for the expenditule of \$10,000.00 per month for development of these properties, each of which shows indications of developing into a really large mine. They lie on upper Bear River opposite George Copper.

RUFUS-ARGENTA TAPS FOR VEIN Shar Tunneling Progresses Dur-NOV/ ing Winter

A contract for tunneling to tap the promising Erickson vein at a 200 foot depth let recently by J. F. Duthie, head of the Rufus-Argenta Mines, Ltd., should be completed within three or four months, according to C. M. Oliver and Company officials. This work and errection of a mill formerly used at the Duthie mine, it is stated, will probably bring the mine near the production stage sometime next year.

Rufus-Argenta, capitalized at \$3, 000,000, was acquired this summer by Mr. Duthle. Its holdings comprise large groups on Bear River, adjoining the George Copper claims now controlled by Consolidated Smelters.

Surface showings on Rufus-Argenta are large and numerous and some of them have been intersected at depth. Most work, however, has been suspended during the winter owing to weather handicaps. Activity will be resumed in the spring.

LEAD MINED

, Lead and zinc ores occur in many districts in India, but so far the only known deposits of economic importance are those mined in Burma, from which high-grade lead and zinc are produced in large volume.



9

RUFUS-ARGENTA, neighbor to the famous George Copper, in the Bear River section, Portland Canal, is looming as one of the big properties of the north. Tunnelling to cut the Erickson vein, shown in the picture, is going on now, and a blind lead of ore similar to the Erickson, which indicates a 50-foot ore body, has been struck. The Comet vein, also shown, is about 40 feet in width on the surface. There are other vein systems on the property, which covers about 1700 acres, has good camps, and is ready for a big spring development campaign. Rufus-Argenta is a copper-gold-silver property.

RUFUS ARGENTA WORK PURSUED Mg 21 Active Development Going On at Mine

-6-

STEWART, B. C., Aug. 21.—Active exploration and development work is being continued on the Rufus Argenta property in the upper Bear, River section of the Portland Canal Mining division. Operations are under the supervision of J. F. Duthle, managing director, who recently visited the property. Following the bonding of this property in June, 1928, by J. F. Duthle and associates of Seattle, a plan of evelopment, work was commenced of has been carried on continuously. We reports have been given out of it result, but it is known that the first work was done on the lower evels and gradually carried, to the higher levels until the summit or apex was reached.

Inasmuch as the financing is taken care of by the operators without going to the public for funds, is apparently the reason all the information as to progress, ore bodies and assays is kept secret.

This condition might be considered verified also by the fact that an offer has recently been made for the Barite Gold Mines Limited, which adjoins the Rufus Argenta on the upper portion, as well as other properties in the immediate vicinity.

This area embraces many active mining operations, including the George Copper, Enterprise, Mountain Boy and various other operations. The operation of the railway up this valley, which will probably materialize in the near future, as two survey parties are now in the field, will no doubt bring into public notice many active and profitable shipping mines.

m











1995 EXPLORATION PROGRAM

The 1995 Exploration Program was conducted pursuant to work permit #SMI95-0101450-113.

Three trips were made to the area of the Comet group of claims.

The first trip consists of physical labour to the old horse trail that climbed from the valley floor to the upper mineral showings. See Map #7 - Physical Work. The work consists of brushing out the old horse trail so that someone could walk off the mountain in an emergency; as much of the time these mountains are socked in fog or snow storms and helicopter access is impossible.

The second trip was a helicopter set out on the ridge on CG surveyed lot L-3418 at 5,060 ft. (approximately 1630 m). This was the area of the main comet showing. The old workings were explored and sampled. New fresh rock was obtained by blasting and trenching. All of the rock outcrops that could be accessed were investigated.

The third trip was a helicopter setout which enlarged the exploration area and also some resampling was done from the main comet trench and shaft that had been previously sampled. The re-tested areas that had previously assayed lower than expected.



PROSPECTING

Traverse A - Description of Samples

- No. 2124 A highly altered zone, located where the KRL Digem Survey indicated a minor anomality. The quartz vein lays in the altered zone above the footwall of unaltered volcanics. The quartz is light grey in colour and contains minor pyrites. The sample was cut across 0.2 meter of vein width. The hangingwall is a marone volcanic. It appears the vein and the hydrothermal alteration system strike 050°-230° and dip easterly at 40°, 10 ppb Au, 3.4 ppm Ag.
- No. 2125 The hanging wall above sample #2124 consists of a silica flooded altered zone, sample cut across 1 meter width, 5 ppb Au, 2.1 ppm Ag.
- No. 2126 At the south end of the alteration zone a second shear zone striking 030° breaks up the 050° quartz vein creating horse trails of quartz stringers. The 030° shear host rusty-iron carbonate-siderite? along with barite crystalsblades on fractures and in veinlets. The sample was across 0.1 meter value 5 ppb Au and 0.4 ppm Ag.

Traverse A Map NOATH m clift's X Volcanic sample 2124 Brecci 0.2 m gray QUARTZ Vein Sample 2125 1.0 METER Altered Zone Silica Flooded Hanging walk Hauging Wall Sample 2125 0.1 meter barite and iron carbourte ZONE TERED ALTERE * * * Steep cliffs . Cliffs ONE METER 2 Her. 15 S en o

Traverse B - Description of Samples

Starting at camp at 5,060 feet elevation on ridge on comet claim and travelling easterly at 070°.

- Sample 2127 Location 2 + 85 m at 70°. Heavy quartz barite float from cliffs above, attached to marone volcanics. Value 10 ppb Au, 0.5 ppm Ag.
- Sample 2128 Location 3 + 08 m at 70° rusty altered siliceous volcanics, tan to black stain with barite and quartz veining. Very altered. Sample taken across 2 meter zone. Value 5 ppb Au, 14.2 ppm Ag.
- Sample 2129 Location 6 + 29 m at 70°. Quartz-barite breccia vein filling an obvious shear zone in slightly altered volcanics. At 6 + 63 m @ 70° this shear zone turns into a perpendicular cliff with 300 to 400 meters of vertical relief. Standing on cliff this picture looks easterly at 70°. End of Traverse B.



Traverse C - Description of Samples

Travelling NE from the helicopter landing zone for 25 to 50 meters old trenches have been put in on a sedimentary exhalative zone approximately 15 meters wide. At 75 meters NE this zone is cut off by a major NW fault. A shaft was sunk in the bottom of this cliff at 60 meters NE. It is now filled in completely.

Samples over 2.5 meters across the width of the old trench. Located 25 meters NE of helicopter landing zone.

- Sample 2130 Across 0.5 meter starting from the northwest. Brown rusty quartz and siliceous material decomposed and weathered. Value: 5 ppb Au, 3.8 ppm Ag.
- Sample 2131 Across 0.5 meter to the SE. Bluish green quartz and siliceous material. Lots of disseminated pyrite. Value: 5 ppb Au, 2.2 ppm Ag.
- Sample 2132 Across 0.5 mete to the SE. Very decomposed quartz and sulphides. Value: 10 ppb Au, 3.7 ppm Ag.
- Sample 2133 Across 0.5 meters to the SE. Disseminated mineralized pyrite, some weathered whitish calcite type material siliceous blue green quartz and siliceous pink material. Value: 5 ppb Au, 1.5 ppm Ag.
- Sample 2134 Across 0.5 meter to the SE along edge of trench. Disseminated pyrite, siliceous material bluish green material. Value: 5 ppb Au, 0.6 ppm Ag.
- Sample 2135 Selected surface material blasted out of old trench. Value: 40 ppb Au, >30 ppm Ag.

Traverse D - Description of Samples

After blasting a face on the blue vein, removing 1 meter of weathered rock. At 4,920' elevation (1,587 meters).

- Sample 2139 Starting from hangingwall. A barite zone, 0.1 meter thick, massive barite. Value: 10 ppb Au, 1.3 ppm Ag.
- Sample 2140 Siliceous material decomposes easily, with specks of galena. Across 0.1 meter. Value: 5 ppb Au, 9.3 ppm Ag.
- Sample 2141 A blue vein with lots of pyrite across 0.3 meter. Value: 10 ppb Au, 5.8 ppm Ag.
- Sample 2142 A blue vein with lots of pyrite across 0.3 meter. Value: 5 ppb Au, 7.3 ppm Ag.
- Sample 2143 A blue vein material (perhaps should be calling this blue siliceous material " instead) with some decomposed lead sulphide rust across 0.2 meter to contact with footwall that appears to be a chert. Value: 5 ppb Au, 5.2 ppm Ag.

Following blue vein in cliffs

- Sample 2136 Mineralized blue siliceous material strikes E-W, dips 65°S. Values: 5 ppb Au, 0.5 ppm Ag.
- Sample 2137 Barite vein and barite breccia zone 0.8 m wide. Strike E-W dip 85°S. Values: 5 ppb Au, 0.8 ppm Ag.
- Sample 2138 Siliceous ledge, strike E-W, across 1 meter. The material weathers easily giving the impression? that the hangingwall is overthrust. Lots of blue sulphides decomposed. This zone can be visually followed for 4,000 feet down to the Bear Pass Highway (1,300 meters). Values: 5 ppb Au, 1.8 ppm Ag.

- 50 mple 18023 TRaverse C.D Map Sam 0024 1802 Shaft. - 10 meters. Sample, 2135 TRavence Builshit piller 1 Sample 2136 Sample 2130 Sample mple e vei Sample 2133 4thailatue Love Sample 2155 Sample 2134 Sample 2156 Sedimentar. Sample 2188 Ele' . 49 /40' Eles 5060 CAMP Blasted-Trenk ON Blue Vein 90 Meters TRAVENCE D Hangingual Sample 2139 Barite Vain Hauging Wall Sample 2140 Silious very in specks of galena Sample 2141 Somple. Blue vein with pyrite _____2143 Blue vein w Sample 2142 read sulfide Blue vein with fyrite

<u>Traverse E - Description of Samples</u>

85 meters southwesterly from the camp and 5 meters above the shaft a 0.3 meter sample showing weathered but mineralized material.

- Sample 2144 Comet vein, weathered quartz, with 2% galena, 2% sphalerite and 10% pyrite. From the west half of an old trench. Values: 10 ppb Au, 13 ppm Ag.
- Sample 2145 5 meters west of 2144 from west side of shaft. The vein (or ledge) at this point is at least 6 meters wide. Light blue siliceous rock with weathered blebs of grey sulphides. Sphalerite or galena. Values: 10 ppb Au, 14.2 ppm Ag.
- Sample 2146 Sample taken 0.5 m westerly from 2145 consisting of decomposed material. Blebs of sulphide both pyrite and grey sulphide. Also siderite. Values: 5 ppb Au, 9.5 ppm Ag.
- Sample 2147 Across 0.5 m to east of shaft. Siliceous mineralized, weathered, decomposed sulphide rich, material. Values: 15 ppb Au, 17.1 ppm Ag.
- Sample 2148 Probably the continuation of sample 2144 shown in the trench above. Siliceous material, iron carbonate, minor specks of sphalerite. Across 0.5 meters. Values: 5 ppb Au, 23.5 ppm Ag.
- Sample 2149 Selected sample from dump material consisting of massive sulphide 75%. Probably decomposed pyrite. Values: 5 ppb u, 14 ppm Ag.
- Sample 2150 Selected sample from dump material, malachite stain, 1% chalcopyrite. Weathered. Values: 10 ppb Au, 9.9 ppm Ag.
- Sample 2151 Selected sample from dump. Quartz vein ledge? material. High sulphides. Values: 5 ppb Au, 11.4 ppm Ag.

Raverse E MAP. North - 20 25 Geveral Jedge of Ledge of So TRENCH Sample 2144 Sample 2146 sample 2145 B5 meters to Camp Fron TRench at ≥ 50 ShAFt 1×3 meters by? 3+m Deep -sample -2148 Pad Bull sample 2147 steep. Samples 2149 Samples 2150 Samples 2150 Selected Samples From Bullshit pile of saved Rock From shaft. / Meter R:23

Traverse F - Description of Samples

A trench located 32 meters south-westerly from the camp site.

- Sample 2152 Composite sample of mineralized sediment exhalative zone, taken across the width of the trench. Values: 10 ppb Au, 9.9 ppm Ag.
- Sample 2153 A siliceous zone within the comet ledge. Very iron stained. 20 m long x 1 meter wide zone of greyish blue to milky white quartz. Weathers strange for quartz. 1% sulphides. Values: 5 ppb Au, 1.2 ppm Ag.
- Sample 2155 Back to the blue vein. Across 0.1 m of brown rusty grout (decomposed pyrite?) on the east side of the blue vein. Values: 10 ppb Au, 6.6 ppm Ag (see Traverse C-D map).
- Sample 2156 The brown rusty decomposed material on the west side of the blue vein. Across 0.1 m. Values: 5 ppb Au, 4.2 ppm Ag.



- 22 -

1

 $\hat{\boldsymbol{\varphi}}$

Traverse G - Description of Sampling

Travelling 030° across the ice from the comet-barite claim boundary to where a nunutuc is exposed. The rock is similar in colour to the red top mineral showings across the ice to the southeast. The exposure is 200 m x 100 m, steepsided, materhorn style with a rounded off top. Very rusty, siliceous rock, very resistant and sticking up out of the ice. On the east side a yellow gossan contrasts brightly with the cliff face that is otherwise rusty red to brown to black.

Two samples were taken from the western side where the slope allowed access. This area is very mineralized, probably hydrothermally altered at one time, and extremely weathered. The ice is receding quickly in this area.

- Sample 18011 Is siliceous rock with \cong 10% disseminated sulphides. Values: 80 ppb Au, 24.5 ppm Ag.
- Sample 18012 Is siliceous, brecciated rock healed with sulphides. The matrix is finegrained sulphides, making up about 25% of the total rock. The claps are up to ½ in quartz claps containing more fine-grained sulphides in streaks in the quartz. Pyrites. Values: 50 ppb Au, 6.5 ppb Ag.



Traverse H - Description of Samples

Back to main comet showing, shaft and trenches west of camp 85 meters.

A large block of siliceous material makes up the eastern edge of the shaft. Going easterly from that there is a foot (0.3 m) of broken up laminated material, then a foot (0.3 meter) of altered sedimentary rock.

- Sample 18013 Brown-earthy-very weathered material. Boxwork decomposed. Across 0.1 m width. I am attempting to duplicate the 1929-1930 assays shown on Map 6, Comet vein. They did not assay. Values: 15 ppb Au, 15.2 ppm Ag.
- Sample 18014 Rusty, siliceous material, very weathered immediately east of #18013. Over 0.3 m. Value: 5 ppb Au, 5.8 ppm Ag.
- Sample 18015 Rusty, siliceous material, sedimentary yellow and orange stained. Over 0.3 m. Values: 5 ppb Au, 2.7 ppm Ag.
- Sample 18016 Bluish-white siliceous rock with claps of what looks like hematite. Also disseminated pyrite. Values: 5 ppb Au, 0.7 ppm Ag.

Five meters uphill to NE from this shaft is a trench where sample 2144 was taken.

- Sample 18017 Very rusty decomposed, siliceous-rich rock, tan to yellow with orange stains. Decomposed boxwork. Some type of pebble conglomerate mixed in. Across 0.3 m. Immediately east of Sample 2144. Values: 5 ppb Au, 3.8 ppm Ag.
- Sample 18018 Across next 0.2 m to east. A bit more siliceous than 18017. Values: 5 ppb Au, 8.2 ppm Ag.
- Sample 18019 Continuing eastward for 1 meter across trench. Very siliceous. Values: 5 ppb Au, 3.9 ppm Ag.
- Sample 18020 Continuing eastward for 1 meter across trench. Siliceous material. Values: 5 ppb Au, 2.5 ppm Ag.
- Sample 18021 Continuing eastward for 1.4 meters across old trench. Siliceous material. Values: 5 ppb Au, 2.6 ppb Ag.
- Sample 18022 Continuing for remainder of 2 meters of trenchy to black volcanic rock. Very siliceous. Values: 5 ppb Au, 2.3 ppm Ag.





Traverse I - Description of Sampling

Travelling approximately 100 m from camp at 030°, a 0.1 meter wide quartz vein in greenstone. Parallel to cut off fault shown on Map C-D.

Sample 18023 Quartz vein, 0.1 m wide. Values: 5 ppb Au, 0.2 ppm Ag.

Travelling a further 200 meters north-easterly in cliffs, a siliceous zone is located between 2 zones of sedimentary argillite. The siliceous material contains minor pyrite cubes.

Sample 18024 Is a chip sample taken across 2 meters. Values: 5 ppb Au, 2.2 ppm Ag.

Travelling another 25 meters up into the cliffs along the zone to a more rusty section.

Sample 18025 Taken across 2 meters, siliceous material with disseminated pyrite sulphides. Values: 5 ppb Au, and 4.6 ppm Ag.

Α.	Physical work \$2,000.00 worth spent cutting out trail from showings.	road up	to comet
	Rental of brushcutter, chainsaw, tools for 7 days @ \$50/day	\$	350.00
	Rental of truck for 7 days @ \$50/day		350.00
	Labour - 7 days \$150/day		1,050.00
	Room and Board - 7 days @ \$55/day		385.00
	Fuel, expendables		65.00

B .	Prospecting \$5,000.00 spent exploring the Comet mineralization zone.		
	Labour - 12 days @ \$150/day	1,800.00	
	Room and Board - 12 days @ \$55/day	660.00	
	Travel by helicopter - four trips (Stewart to Bear Pass) 1.8 hours flight time @ \$835.11/hr.	1,503.18	
	Assaying 47 samples for Au and Ag by AA method	771.99	
	Report preparation	500.00	
	Use of camp, expendables, sample bags, tags	64.83	

TOTAL EXPENSES

\$<u>7,500.00</u>

STATEMENT OF QUALIFICATIONS

I, David Javorsky, state as follows:

That I am a graduate of the Advanced Prospecting School sponsored by the B.C. Ministry of Education and the Ministry of Energy Mines and Petroleum Resources.

That I have completed the Petrology and Alteration for Prospectors course presented by the British Columbia Prospectors Training Program, Geological Survey Branch.

That I have spent over 25 years working in the mining, prospecting and mineral exploration industry.

That I was directly involved in doing the work presented in this report on behalf of International Tournigan Corporation.

That my mailing address is P.O. Box 806, Stewart, B.C., V0T 1W0, where I reside on Glacier Road.

aunash David Javorsky

David Javorsky December 28, 1995

REFERENCES

APPENDIX E

- Alldrick, D.J. 1993 Geology and Metallurgy of the Stewart Mining Camp, Northwest British Columbia. Bulletin 85, Ministry of Energy, Mines and Petroleum Resources. Buddington, A.F. 1929 Geology of Hyder and Vicinity, Southeastern Alaska, Bulletin 807. United States Geological Survey. DeLeen, John 1991 Notes on Rufus Argenta Claims, Bear Pass Area, Stewart, B.C. for Tournigan Mining Explorations Ltd. Dykes, S.M. Meade H.D. & Galley, A.G. 1986 Big Missouri Precious Base Metal Deposit in Mineral Deposits of the Northern Cordillera CIMM Special Vol. 18. Dykes S.M., Payne J. Big Missouri Precious Base Metal Deposit. N.W.B.C. in & Sisson, W. 1988 Societe of Economic Geologist Field Trip Guide Book. Northern Cordilleran Precious Metal Deposits Faulkner, E.L. 1986 Introduction to Prospecting Paper 1986-4, Geological Survey Branch B.C. Ministry of Energy, Mines and Petroleum Resources. Grove, E.W. 1971 Geology and Mineral Deposits of the Stewart Area, B.C. Bulletin 58, B.C. Ministry of Energy, Mines and Petroleum Resources. Gunn, C.B. 1973 Rufus Argenta Property, Stewart, B.C. Report for Crest Ventures Inc.
- Hanson, G. 1929 Bear River and Stewart Map Area, Cassiar District, B.C. Memoir 159 Geological Survey of Canada.

Harris, C.R. 1984	Rufus Claim Group, Report for Kingdom Resources Ltd.
Keyte, G. 1978	Geological Report on the Bear Pass Property for Tournigan Mining Explorations Ltd.
Lang, A.H. 1970	Prospecting in Canada, Economic Geology Report No. 7, Geological Survey of Canada Fourth Edition.
Silltoe, R.H. 1985	Ore-related Breccias in Volcanic-Plutonic Arcs. Economic Geology Vol. 80, p. 1467-1514.
Skinner, et al 1981	Ore Forming Process, Sediment-hosted Exhalative, 75th Anniversary Volume 1905-1980, Economic Geology.
Tully, D.W. 1980	Report on the Rufus-Argyle Claim Group for Kingdom Resources.
Walker, J.F. 1953	Elementary Geology Applied to Prospecting, B.C. Dept. of Mines Publication.





ASSAYING GEOCHEMISTRY ANALYTICAL CHEMISTRY ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700 Fax (604) 573-4557

-31-

CERTIFICATE OF ANALYSIS AS 95-4022

DAVID JAVORSKY P.O. BOX 806 STEWART, B.C. VOT IWO 8-Sep-95

32 Rock samples received in Stewart August 28, 1995 in Kamloops September 5, 1995 PROJECT #: None Given SHIPMENT #: None Given Sample submitted by: David Javorsky

ET #.	Tag #	Au (ppb)	Ag (ppm)
1	· 2124	10	3.4
2	2125	5	2.1
3	2126	5	0.4
4	2127	10	0.5
5	2128	5	14.2
6	2129	10	0.2
7	2130	5	3.8
8	2131	5	2.2
9	2132	10	3.7
10	2133	5	1.5
11	2134	5	0.6
12	2135	40	>30
13	2136	5	0.5
14	2137	5	0.8
15	2138	5	1.8
16	2139	10	1.3
17	2140	5	9.3
18	2141	10	5.8
19	2142	5	7.3
20	2143	5	5.2
21	2144	10	13.5
22	2145	10	14.2
23	2146	5	9.5

8-Sep-95

- 32 -



		Au	Ag
ET #.	Tag #	(ppb)	(ppm)
24	2147	15	17.1
25	2148	5	23.5
26	2149	. 5	14.0
27	2150	10	11.2
28	2151	5	11.4
29	2152	10	9.9
30	2153	5	1.2
31	2155	10	6. 6
32	2156	5	4.2
QC/DATA:	-		
Resplit:			
R/S 1	2124	5	3.3
Repeat:			
1	2124	-	3.4
10	2133	5	1.6
19	2142	5	7.2
28	2151	. 5	11.4
Standard:			
GEO'95		140	1.4

.

ECO-TECH LABORATORIES LTD. Frank J. Pezzotti, A.Sc.T. B.C. Certified Assayer

XLS/95Kmisc#5





ASSAYING GEOCHEMISTRY ANALYTICAL CHEMISTRY ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 6T4 Phone (604) 573-5700 Fax (604) 573-4557

- 33

CERTIFICATE OF ANALYSIS AS 95-4026

DAVID JAVORSKY P.O. BOX 806 STEWART, BC V0T 1W0

18-Sep-95

ATTENTION: Dave Javorsky

15 ROCK samples received in Stewart on Sept 6, in Kamloops on Sept 11, 1995 PROJECT #:None given SHIPMENT #:None given

		Au	Ag
<u>ET #.</u>	Tag #	(ppb)	(ppm)
1	18011	80	24.5
2	18012	50	6.5
3	18013	15	15.2
4	18014	5	5.8
5	18015	5	2.7
6	18016	5	0.7
7	18017	5	3.8
8	18018	5	8.2
9	18019	5	3.9
10	18020	5	2.5
11	18021	5	2.6
12	18022	5	2.3
13	18023	5	0.2
14	18024	5	2.2
15	18025	5	4.6
QC/ DATA			
Resplit #:			
R/S1	18011	80	24.6
Repeat			
1	18011	80	24.6
10	18012	5	2.4
Standard			
GE095		150	-
			Λ.
			2-6

ECO-TECH LABORATORIES LTD. Pr Frank J. Pezzotti, A.Sc.T. B.C. Certified Assayer

XLS/95kmisc6