

**REPORT ON THE 1992
PROSPECTING AND GEOCHEMICAL WORK
IN THE ENGLISHMAN RANGES
TESLIN MAP AREA**

**YMIP # 92-098 IVAN ELASH
&
YMIP # 92-134 HARRY KERN**

Location: 1. 45 km NE of Teslin, Yukon
2. NTS 105 C/8 & 9
3. Longitude 132° 15" West
Latitude 60° 30' North

For: Harry Kern and Ivan Elash
612 Ogilvie Street
Whitehorse, Yukon
Y1A 2S8

By: R. Allan Doherty, B.Sc.,
Aurum Geological Consultants Inc.
P.O. Box 4367
Whitehorse, Yukon
Y1A 3T5

February 3, 1993

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INTRODUCTION

This report was prepared at the request of Mr. Harry Kern and Mr. Ivan Elash to fulfil the reporting requirements of the Yukon Mining Incentive Program. Both Messrs Kern and Elash received prospector grants for the 1992 season and entered into a joint venture project in the Teslin map area.

Prospecting work consisted of stream silt sampling, soil and rock sampling and prospecting. The work was carried out between July 02, 1992 and September 10, 1992. Both prospectors completed thirty days of field work. This report briefly reviews the regional and area geology and geochemical sampling results.

LOCATION AND ACCESS

The project area is located near the Wolf River, in the Thirtymile and Englishmans Ranges (Figure 1), approximately 46 km northeast of Teslin, Yukon. The centre of the project area is at approximately 60° 30' North latitude and 132° 15' West longitude within map area 105 C/8 & 9.

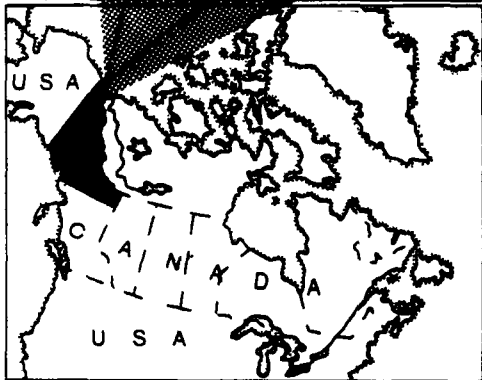
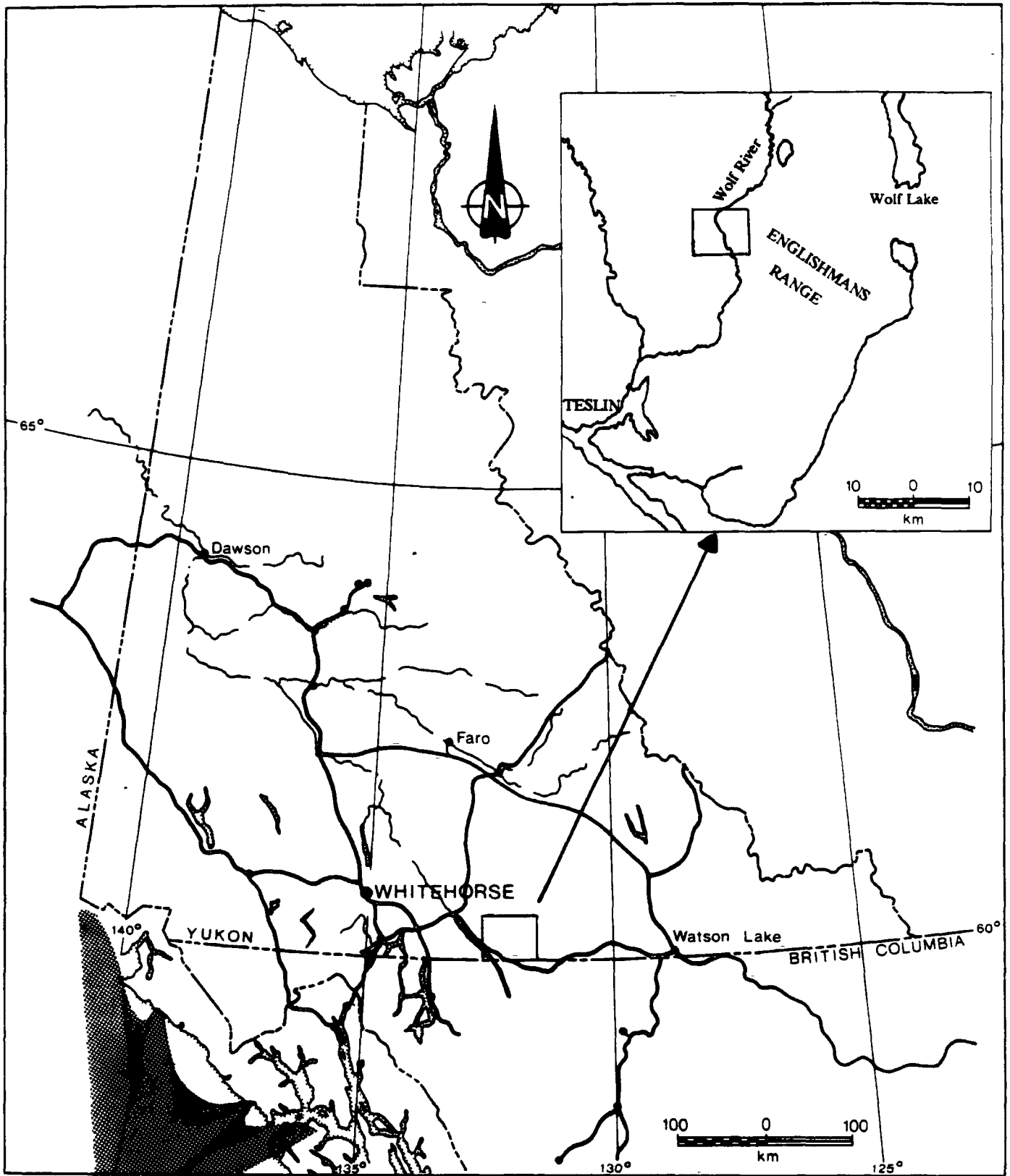
Access to the area is via float plane from Teslin to Fish Lake which is approximately 16 kilometers up river from the centre of the project area. A canoe was used to move camps down the Wolf River to access the work areas.

PROPERTY

There has not been any claims staked by Mr. Kern or Mr. Elash within the project area. There are currently no active mining claims in the area. Parts of the Wolf River valley are currently withdrawn from staking under the provisions of the Yukon Indian Land Claims Agreement.

PHYSIOGRAPHY, CLIMATE AND VEGETATION

The area is situated within the Nisutlan Plateau, which occupies the area east of Nisutlan River. The Thirtymile and Englishmans Ranges form a northwest trending highland that dissects the Nisutlan Plateau and is a northern extension of the Cassiar Mountains. The Wolf River breaches these ranges flowing from the northeast to the southwest and enters the Nisutlan River a few kilometers above Nisutlan Bay.



ENGLISHMANS RANGE PROJECT

LOCATION

Mountains in the Thirtymile and Englishmans Ranges are characterized by steep north facing cirques and knife-edge ridges.

The river and creek drainages are somewhat chaotic and much of the area in the lowland surrounding the Thirtymile and Englishmans Ranges is poorly drained swampy ground with next to no outcrop. Throughout the project area, outcrop is confined to ridges, higher valley sides, and less commonly in the upper reaches of creeks. Vegetation in the area consists of dense thickets of willow in the poorly drained areas and mixed white spruce, lodgepole pine and balsam fir up to elevations of 4500 feet.

The area has been subject to continental glaciation and the bottoms of large valleys are floored by morainal deposits of all kinds, (Mulligan 1963). Kame-and-kettle topography, pitted outwash plains, eskers and fans are common.

Climate in the area is typical of this part of southern Yukon. Yearly average total precipitation for the period 1950 to 1954 is 15 inches (Mulligan, 1963), winters are long and moderately cold, whereas summers can be hot and dry.

REGIONAL GEOLOGY

The geology of the Teslin map area was described by Mulligan 1963 and the area is currently being remapped by the GSC (Gordy 1992). The area is part of the Ominica Belt of the western Cordillera. Terranes represented in this part of Teslin map area include the pericratonic Nisutlin terrane and the accreted Slide Mountain and Dorsey terranes (Wheeler and McFeely 1988). Recent work by Gordey (1992) indicates that rocks assigned to the Dorsey Terrane bear similarities to North American margin strata. The presence of Mississippian age volcanics and block faulting is in keeping with Devono-Mississippian tectonism elsewhere along the North American margin.

Intrusive plutonic rocks in the area are predominantly early Cretaceous granites to syenite and monzonite with a few Jurassic or Cretaceous peridotite and pyroxenite bodies found northeast of the Thirtymile and Englishmans Ranges.

PROJECT AREA GEOLOGY

The project area according to Mulligan (1963), is underlain by Mississippian or earlier Big Salmon Complex consisting of schists and gneisses, quartzites and chloritic and epidotic rocks, overlain by Mississippian Englishmans Group which consists of limestone and quartz arenite.

Recent mapping by Gordey (1992) within and near the project area indicates the following stratigraphic relations: quartz-rich sandstone and grit with minor limestone horizons, probably Proterozoic or Lower Cambrian Ingenika Group; cherts of Ordovician to Devonian Road River Group; and chert pebble conglomerate, limestone, quartz arenite and shale-siltstone of the Devonian-Mississippian Earn Group.

Most hand specimens observed by the author showed evidence of moderate to strong development of penetrative fabrics. Hand samples containing anomalous gold values generally contained weakly developed quartz-calcite vein material.

MINERAL OCCURRENCES

Known mineral occurrences in and near the project area consist mainly of skarns hosting variable amounts of Cu-W-Sn-Pb-Zn-Ag-Au-Co-Fl-Ba usually in Mississippian limestone units in contact with Cretaceous granite. One occurrence, Minfile Number 105C002, is a silver lead vein. Three skarn occurrences (Yukon Minfile Numbers 105C003, 105C036 & 105C038) have been diamond drilled. There are no published reserves for any of these occurrences. The location of Minfile No 105C003 (BAR Occurrence) is plotted on Figure 3.

GEOCHEMISTRY

Introduction

A total of 226 samples were collected within the Project Area. The samples were analyzed for gold plus 31 element ICP at Northern Analytical Laboratories Ltd with some check samples submitted to Acme Analytical Laboratories Ltd.

Samples collected included 135 stream silt samples, 81 soil samples, and 10 rock samples. Approximately 67 samples, mostly silt samples, were not plotted or located on either Figure 2 or 3. These samples were not included on the maps because of

confusion over sample locations, and repeat sampling along one creek. Most of these samples returned low values for gold.

Geochemical results

Statistical parameters were calculated for both the silt and soil populations to determine the background, and anomalous values for gold. For better definition, background is the mean of the sample population and the anomalous value is set at the mean plus two standard deviations. Before calculating the statistical parameters, the anomalously high values were excluded from the sample populations. Five sample values greater than 300 ppb gold were excluded from the silt sample population, and one sample with a value of 814 ppb gold was excluded from the soil sample population. The statistical results for gold are tabulated as follows:

GEOCHEMICAL STATISTICS FOR GOLD

	SILT	SOIL
NUMBER	135	81
BACKGROUND	19 ppb	11 ppb
ANOMALOUS	84 ppb	33 ppb

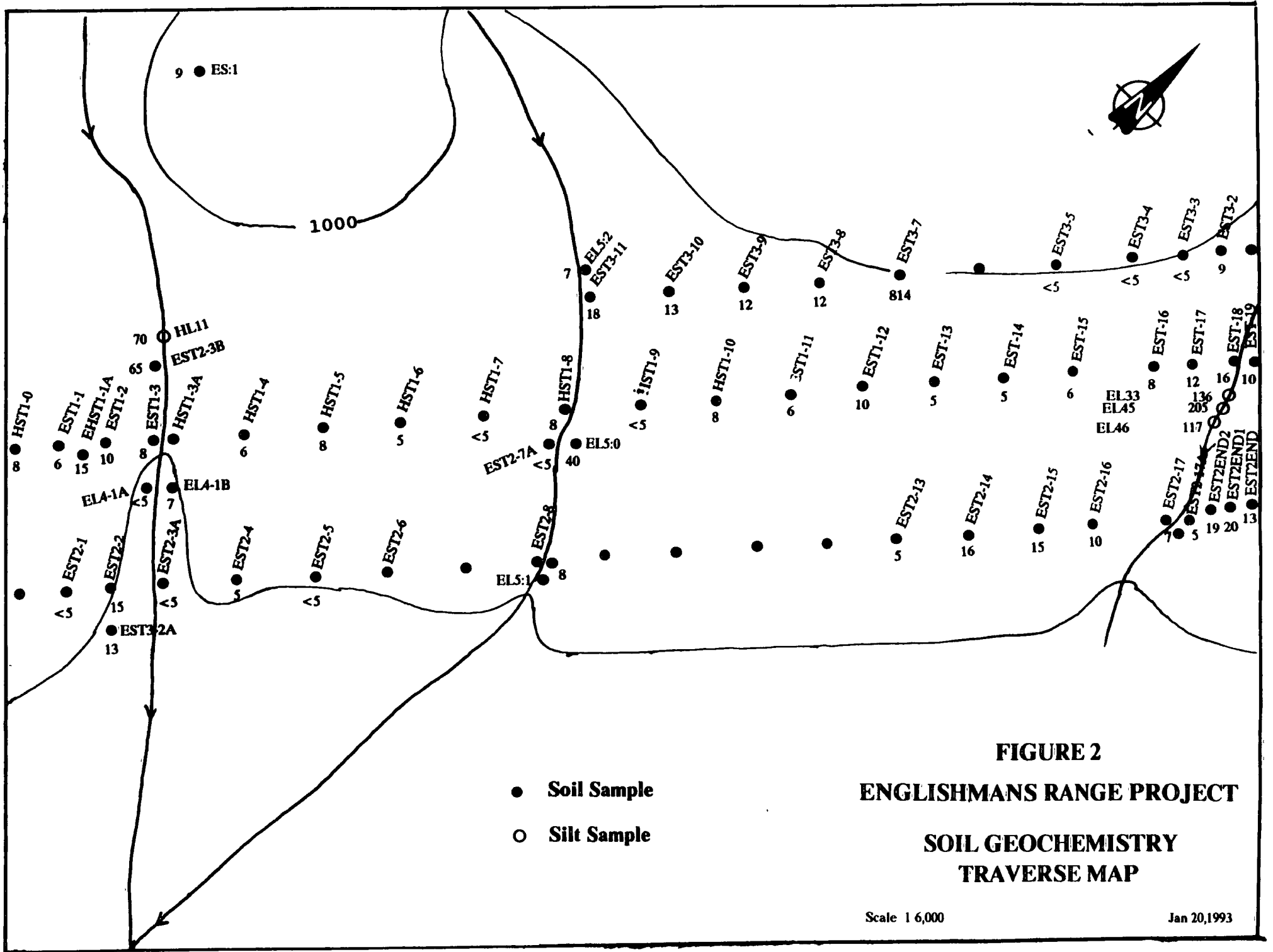
Twelve silt samples returned anomalous values ranging between 90 ppb gold and 936 ppb gold. Three soil samples returned anomalous values between 40 and 814 ppb gold. Of the ten rock samples submitted for analyses, five returned anomalous values which ranged between 120 ppb gold and 7056 ppb gold.

Sample results for gold only are plotted on Figures 2 and 3. Figure 3 shows stream silt sample locations for the entire project area and Figure 2 shows soil sample results from three contour sample lines run between the two creeks containing the best silt sample anomalies.

Most anomalous results are from the northwest side of the Wolf River. This area is underlain by limestone and argillaceous quartzite and phyllites. Four rock samples collected upslope of the high stream silt anomalies returned values ranging between 120 and 7076 ppb gold from hand samples that generally contained thin but pervasive quartz-carbonate veining. Rock samples containing anomalous gold values are also anomalous in Pb, Zn, Cd, Ca, Fe, and W; which suggests probable skarn mineralization. The closest mapped intrusion is approximately 3 kilometers to the west.

Two anomalous samples are located on the southeast side of the Wolf River near the BAR occurrence (Yukon Minfile #105C003). One stream silt sample (Sample

2.6) returned 706 ppb gold and a single rock sample (Sample 2) returned 866 ppb gold from an assay by Northern Analytical Laboratories but only 41 ppb gold in a check assay completed by Acme Analytical Laboratories Ltd.



CONCLUSIONS AND RECOMMENDATIONS

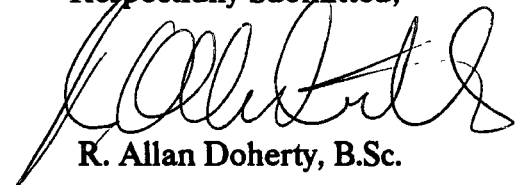
Prospecting and geochemical sampling in the Englishmans and Thirtymile Ranges was completed by Harry Kern and Ivan Elash under a prospecting grants provided by the Yukon Mining Incentive Program. Work by these prospectors has indicated anomalous gold in stream silts, soils, and rock samples from an area northwest of the Wolf River which is underlain by limestone and argillaceous quartzite and phyllites of the Englishmans Group (Mulligan 1963) but which may actually be part of Earn Group stratigraphy (Gordy 1992).

Rock samples containing anomalous gold also contain anomalous Pb, Zn, Cd, Ca, Fe, and W which suggest the presence of skarn mineralization. The presence of thin but pervasive quartz-carbonate veining in the areas containing the anomalous gold in rock samples may indicate another mineralized system in the area.

The following follow-up work program is recommended.

1. Additional rock sampling should be completed in the areas that have returned high gold values.
2. Samples should be carefully collected across measured chip sample intervals with emphasis placed on areas of quartz-calcite veining.
3. The prospectors should devise a more simplified sample numbering scheme and carefully plot sample locations at the end of each traverse.
4. Creeks to the north of the anomalous creeks should be samples at 100 m intervals.
5. An airphoto linear interpretation should be completed prior to re-visiting the area.
6. Careful attention should be directed toward alteration assemblages near veins.

Respectfully Submitted;



R. Allan Doherty, B.Sc.

February 3, 1993

REFERENCES

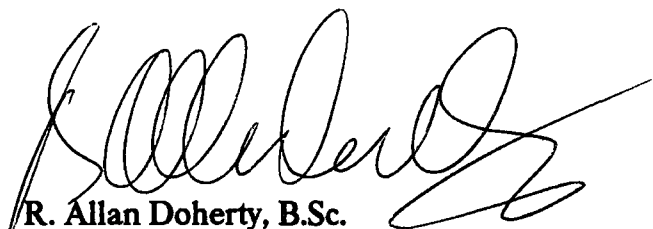
- Gordy, S.P., 1992: Geological Fieldwork in Teslin map area, southern Yukon Territory; in Current Research, Part A; Geological Survey of Canada, Paper 92-1A, p. 279-286
- Mulligan, R., 1963 Geology of the Teslin Map Area, Yukon Territory, 105 C; Geological Survey of Canada Mem. 326
- Wheeler, J.O., and McFeely, P. (comp), 1991: Tectonic Assemblage Map of the Canadian Cordillera and adjacent parts of the United States of America; Geological Survey of Canada, Map 1712A.

STATEMENT OF QUALIFICATIONS

I, R. Allan Doherty, hereby certify that:

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., 205 - 100 Main Street, P.O. Box 4367, Whitehorse, Yukon, Y1A 3T5.
2. I am a graduate of the University of New Brunswick, with a degree in geology (Hons. B.Sc., 1977) and that I attended graduate school at Memorial University of Newfoundland, 1978-81. I have been involved in geological mapping and mineral exploration continuously since then.
3. I am a member of the Yukon Association of Professional Geoscientists and the CIMM.
4. I prepared this report based on information received from Harry Kern and Ivan Elash on the Englishmans Ranges Project Area; which is based on data collected during prospecting work between July 02, 1992 and September 10, 1992.
6. I consent to the use of this report by Messrs. Kern and Elash, provided that no portion is used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

February 3, 1993



R. Allan Doherty, B.Sc.

APPENDIX A
PROSPECTOR'S EXPENSES

PROSPECTORS EXPENSES

Mr. Ivan Elash YMIP No. 92-098

1.	Daily living allowance 32 Days @ \$52.85/day	\$1,691.20
2.	Transportation 3 return trips Whse-Teslin (3x366x.385) Coyote Air Services Inv 0796 Canoe rental: John McIntyre Invoice	\$422.73 \$836.75 \$775.00
3.	Assays NAL 052144 NAL 052207	\$1,121.89 \$ 56.66
4.	Maps (4 receipts)	\$83.88
5.	Prospecting Equipment	\$1,367.29
6.	Technical Report: AURUM 93001	\$1,971.48
	Total Expenses	\$8,326.88
	Less Advance	-\$1,000.00
	Total Expenses Claimed	\$7,326.88

July 17 - 19

Aug 10

Harry Kern YMIP Claim 92-134

Submitted on December 11, 1992

1. Daily Living Allowance - 31 days @ \$52.85/day	\$ 1,638.35
2. Transportation - 1748 km @ \$0.385/km	\$ 686.84
- Float Plane, July 2nd	\$ 319.93
July 10th	\$ 649.49
July 19th	\$ 171.20
Sept 2nd	\$ 590.64
Sept 10th	\$ 406.60
3. Field/Office Supplies	\$ 1,198.86
4. Maps and Minfile	\$ 618.87
5. Assays	\$ 1,591.63

TOTAL EXPENSES \$ 7,872.06

AMOUNT IN PROSPECTORS CONTRIBUTION AGREEMENT \$10,000.00

AMOUNT REIMBURSABLE \$ 7,872.06

2,127.94

LEFT

10,000.00

CANOE

APPENDIX B
GEOCHEMICAL REPORTS

25-Nov-92 date

Assay Certificate

page 1

Harry Kern

WO#138674

Sample # Au ppb

Sample #	Au ppb	
1	1244	→ sample #1, one in & sample in soil
2	866	2.1
3	511	sample & soil #3
4	170	4.1 (SAMPLE #1)
5	254	4.2 "

Certified by *Chyokki*





GEOCHEMICAL ANALYSIS CERTIFICATE

Aurum Geological Consultants File # 92-4280 Page 1
 412 - 675 W. Hastings St., Vancouver BC V6B 1N2 Submitted by: Al Doherty

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Au**	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppb
1	6	79	865	817	1.6	13	4	160	1.02	6	5	ND	1	37	3.8	2	2	8	1.94	.243	15	120	.21	240	.01	7	.37	.01	.11	130	2	1	1606	
2	3	7	403	525	.6	3	1	47	.21	6	5	ND	1	2	2.6	2	2	1	.05	.006	2	115	.01	18	.01	2	.07	.01	.04	12	2	1	41	
3	3	7	94	225	.4	83	23	675	2.44	2	5	ND	1	844	1.2	2	2	12	14.83	.033	2	118	1.03	19	.01	2	1.33	.01	.02	33	2	1	7076	
4	5	5	94	190	.2	4	1	55	.23	8	5	ND	1	18	.9	2	2	1	1.45	.005	2	163	.28	5	.01	2	.03	.01	.01	3	2	1	142	
5	1	1	164	226	.4	1	2	37	.09	7	5	ND	1	129	1.1	2	2	2	20.99	.008	2	36	.19	1	.01	2	.03	.01	.01	11	2	1	120	
RE 5	1	1	145	224	.3	2	1	43	.09	5	5	ND	1	129	1.4	2	2	2	20.72	.008	2	33	.18	1	.01	2	.03	.01	.01	12	2	1	116	
RE 3	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	480
RE 3	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1980
STANDARD C	18	58	42	131	7.3	69	32	1071	3.96	62	21	7	38	52	18.6	15	19	58	.50	.084	41	61	.91	183	.09	35	1.90	.06	.14	12	2	1	-	

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
 - SAMPLE TYPE: P1 ROCK PULP P2 ROCK AU** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: DEC 7 1992 DATE REPORT MAILED: *Dec 15/92* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



ACME ANALYTICAL

ACME ANALYTICAL

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M	Tl	Hg	Au**	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	%	ppm	ppm	ppm	ppb
1R	1	4	2	31	.4	10	4	100	1.09	2	5	ND	1	11	.4	2	2	4	1.38	.023	6	6	.18	61	.01	151	.35	.02	.12	1	2	1	16	
6	1	133	20	83	.7	16	14	348	2.72	9	5	ND	1	55	.4	2	2	90	1.17	.055	3	20	1.05	82	.40	102	2.07	.22	.33	1	2	1	14	
7	1	16	4	59	.1	33	5	132	1.33	4	5	ND	4	112	.5	2	2	9	9.94	.027	8	11	1.21	47	.01	82	.70	.01	.18	1	2	1	9	
8	1	1	2	15	.1	3	1	18	.06	.4	5	ND	1	186	.7	3	2	3	39.04	.005	2	6	.77	12	.01	59	.03	.01	.01	1	2	1	9	
9	1	3	2	15	.1	6	1	42	.14	2	5	ND	1	58	.5	2	2	2	8.54	.024	2	3	3.93	1	.01	58	.02	.01	.01	1	2	1	4	
RE 9	1	1	2	18	.1	3	2	40	.13	2	5	ND	1	57	.4	2	2	2	8.28	.023	2	3	3.96	9	.01	49	.02	.01	.01	1	2	1	-	
STANDARD C	17	58	39	129	7.3	67	31	1019	3.96	41	19	7	37	52	18.0	14	21	56	.49	.087	37	57	.92	185	.09	37	1.88	.06	.14	10	2	2	-	

Sample type: ROCK. Samples beginning 'RE' are duplicate samples.

09-Oct-92 date

Assay Certificate

page 1

Harry Kerns

WO#13796

Sample # Au ppb

R#1	52
HS 26	10
✓HS 8:0	5
✓HS 8:1	7
✓HS 8:2	<5
✓HS 8:3	8
✓HS 8:4	5
✓HS 8:5	7
✓EL 9:0	6
✓EL 9:1	7
✓EL 9:2	6
✓EL 9:3	15
✓EL 9:4	29
✓EL 10:0	8
✓EL 10:1	34
✓EL 10:2	7
✓EL 10:3	52
✓EL 10:4	98
✓EL 10:5	12
✓EL 10:6	12
✓EL 10:7	7
✓EL 10:8	7
✓EL 10:9	9
✓EL 10:10	14
✓EL 10:11	12
8	<5
25	<5
90	<5

Certified by *Chycki*



R E P O R T S U M M A R Y

Report:[9200905 R]

A N A L Y T I C A L R E P O R T
=====

Origin

Inception Date:[Oct 23, 1992]

Client:[309 | Northern Analytical Laboratories]
Contact:[| Norm Smith]
Project:[0 | W/O 13796]
Amount/Type:[25 | Pulp]
[]

Analytical Requisition

Geochemical:[ICP(AqR)30]
Assay:[None] ICP:[30]
Comments:[None]

Delivery Information

Reporting Date:[Oct 26, 1992]

Principal Destination (Hardcopy,Fascimile,Invoice)

Company:[Northern Analytical Laboratories]
Address:[105 Copper Road]
City/Province:[Whitehorse, YT]
Country/Postal:[Y1A 2Z7]
Attention:[Norm Smith]
Fascimile:[403/668-4890]

Secondary Destination (Hardcopy)

Company:[]
Address:[]
City/Province:[]
Country/Postal:[]
Attention:[]
Fascimile:[]

1 data pages in this report.

Approved by: 

B.C. Certified Assayers

iPL CODE: 921026-15:42:43

iPL Report: 9200905 T Northern Analytical Laboratories
 Project: W/O 13796

In: Oct 23, 1992
 Out: Oct 26, 1992

25 Pulp Page 1 of 1

Section 1 of 1
 Certified BC Assayer *[Signature]* David Chiu

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
R - 1	<	9	3	38	<	<	<	4	<	<	0.4	8	26	96	<	32	39	152	13	21	3	2	0.07	0.70	0.50	1.89	0.58	0.07	0.02	0.07
HS-26	<	6	<	34	<	<	<	2	<	<	0.3	9	25	93	<	21	27	469	12	19	3	2	0.05	0.64	0.37	3.66	0.49	0.05	0.02	0.06
8: 0	<	10	8	37	<	<	<	1	<	<	0.2	10	22	97	<	34	57	415	17	22	2	2	0.09	0.76	0.58	2.61	0.53	0.06	0.02	0.08
8: 1	<	11	4	37	<	<	<	1	<	<	<	10	22	112	<	31	42	447	15	22	1	2	0.08	0.80	0.57	2.11	0.54	0.07	0.02	0.07
8: 2	<	8	<	34	<	<	<	1	<	<	0.3	8	19	74	<	18	31	305	8	18	2	2	0.07	0.70	0.47	1.58	0.52	0.05	0.02	0.04
8: 3	<	9	4	43	<	<	<	1	<	<	0.1	10	24	77	<	41	46	350	11	20	2	2	0.08	0.76	0.51	2.26	0.59	0.06	0.02	0.05
8: 4	<	11	2	36	<	<	<	1	<	<	0.4	9	22	91	<	25	34	401	10	20	2	2	0.07	0.80	0.53	1.75	0.56	0.07	0.02	0.06
8: 5	<	9	<	34	<	<	<	1	<	<	<	9	22	89	<	26	43	343	14	19	2	2	0.08	0.76	0.51	2.18	0.57	0.05	0.02	0.06
EL 9: 0	<	22	4	65	<	<	<	1	<	<	0.2	9	20	201	<	24	30	423	11	25	1	2	0.06	0.97	0.92	2.00	0.74	0.07	0.02	0.06
EL 9: 1	0.1	24	21	73	<	<	<	1	<	<	0.4	10	23	215	<	29	36	445	9	30	1	2	0.07	1.05	2.12	2.17	0.76	0.09	0.02	0.06
9: 2	0.1	26	7	77	<	<	<	1	<	<	0.5	10	24	222	<	32	41	496	11	30	1	2	0.08	1.10	1.39	2.42	0.77	0.10	0.02	0.07
9: 3	<	32	10	91	<	<	<	2	<	<	0.5	10	23	200	<	30	40	575	9	31	1	2	0.07	1.07	1.37	2.55	0.86	0.07	0.02	0.08
9: 4	0.1	23	13	79	<	<	<	1	<	<	0.3	10	23	171	<	36	39	550	8	26	<	2	0.07	0.98	1.15	2.36	0.84	0.07	0.02	0.07
10: 0	0.1	46	10	146	<	<	<	2	<	<	0.4	11	28	181	<	28	34	493	13	40	<	3	0.07	1.31	0.94	2.21	0.66	0.08	0.02	0.06
10: 1	<	40	7	126	<	<	<	1	<	<	0.4	11	27	171	<	27	37	505	14	30	1	3	0.08	1.26	0.86	2.20	0.64	0.08	0.02	0.06
10: 2	<	46	9	118	<	<	<	1	<	<	0.3	12	29	191	<	32	41	426	15	39	1	3	0.08	1.42	0.82	2.48	0.71	0.10	0.02	0.06
10: 3	0.2	43	7	118	<	<	<	1	<	<	0.4	11	28	172	<	30	39	459	16	43	1	3	0.08	1.35	0.82	2.39	0.68	0.09	0.02	0.07
10: 4	0.1	52	10	137	<	<	<	2	<	<	0.3	12	31	192	<	32	39	502	15	45	1	3	0.08	1.43	0.94	2.49	0.71	0.10	0.02	0.07
10: 5	<	27	15	100	<	<	<	1	<	<	0.3	13	25	108	<	22	36	675	11	23	1	2	0.06	1.12	0.45	2.47	0.70	0.06	0.02	0.04
10: 6	0.1	48	9	105	<	<	<	2	<	<	0.1	10	25	150	<	26	32	409	11	40	1	3	0.06	1.20	0.81	2.11	0.60	0.08	0.02	0.06
10: 7	0.2	59	14	136	<	<	<	2	<	<	0.4	11	30	187	<	30	38	488	13	50	1	3	0.07	1.45	0.99	2.48	0.73	0.10	0.02	0.07
10: 8	0.1	61	8	124	<	<	<	2	<	<	0.2	11	31	185	<	32	37	432	15	55	1	3	0.08	1.46	1.12	2.41	0.74	0.11	0.02	0.08
10: 9	0.1	49	20	109	<	<	<	2	<	<	0.1	11	29	171	<	31	39	455	15	47	1	3	0.08	1.37	0.92	2.39	0.71	0.09	0.02	0.07
10: 10	<	52	14	130	<	5	<	1	<	<	0.4	12	30	181	<	32	38	401	13	55	1	3	0.08	1.40	1.08	2.42	0.75	0.11	0.02	0.07
10: 11	0.1	52	13	112	<	<	<	2	<	<	0.2	12	32	176	<	33	43	514	13	52	1	3	0.08	1.40	1.10	2.64	0.80	0.09	0.02	0.07

01-Sep-92 date

Assay Certificate

page 1

Ivan Elash

WO#13729

Sample # Au ppb

EHST1-1A X	15
7 EL1	18
10 EL10	25
12 EL12	13
13 EL13	18
14 EL14	13
15 EL15	7
16 EL16	8
17 EL17	12
18 EL18	7
19 EL19	8
2 EL2	341 ✓
24 EL24	15
25 EL25	10
26 EL26	9
27 EL27	7
28 EL28	18
29 EL29	8
3 EL3	20
EL3-0	16
30 EL30	40
EL3-1	<5
31 EL31	9
32 EL32	21
EL3-3	<5
33 EL33	136 ✓
34 EL34	7
35 EL35	14
36 EL36	8
37 EL37	31
38 EL38	5
39 EL39	<5
4 EL4	15
40 EL40	12
41 EL41	10
✓ EL4100	27
EL4101	6
EL4102	9

} upstream from ravine on creek #4

Certified by *Chyokki*



01-Sep-92 date

Assay Certificate

page 2

Ivan Elash

WO#19729

Sample #

had to be a high reading from earlier results, which resulted in additional sampling this time round

✓ EL4-1A	<5
✓ EL4-1B	7
✓ EL42	11
✓ EL43	6
✓ EL44	19
✓ EL45	205 ✓
✓ EL46	117 ✓
✓ EL47	15
✓ EL48	9
✓ EL49	14
✓ EL5	31
✓ EL50	20
✓ EL5101	10
✓ EL5102	10
✓ EL5103	23
✓ EL5:0	40
✓ EL5:1	8
✓ EL5:2	7
✓ EL6	24
✓ EL7	22
✓ ES4A1	12
✓ ES4A2	13
✓ ES4A3	10
✓ ES4A4	7
✓ ES4A5	5
✓ ES6:1	10
✓ EST1-1	6
EST1-11	6
EST1-12	10
✓ EST1-2	10
EST1-13 ✓	5
✓ EST1-3	8
EST1-14 ✓	5
EST1-15 ✓	6
EST1-16 ✓	8
EST1-17 ✓	12
EST1-18 ✓	16
EST1-19 ✓	10

EL5101-100m upstream (T.H.L.S.D) upstream from previous results on this creek #5.

at and near mouth of creek #4. soil sample of Dry Creek #6

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01-Sep-92 date

Assay Certificate

page 3

Ivan Elash

WO#13729

Sample # Au ppb

EST-20 8 ✓

EST2-1 <5

EST2-13 5

EST2-14 16

EST2-15 15

EST2-16 10

EST2-17 7

EST2-17A 5

South Side Creek # 3

EST2-2 15

EST2-3A <5

✓EST2-3B 65 ✓

EST2-4 5

EST2-5 <5

EST2-6 <5

EST2-7A <5

EST2-8 <5

EST2END 13

EST2END1 20

EST2END2 19

EST2:17B 8

North Side Creek # 3

✓EST3-10 13

✓EST3-11 18

EST3-2 9

EST3-2A 13

EST3-3 <5

EST3-4 <5

EST3-5 <5

✓EST3-7 814 ✓

EST3-8 12

EST3-9 12

✓ES:1 9

- over the crest of #4 mtn. (dry creek bed)

HL11 70 ✓

20 HL20 9

21 HL21 12

22 HL22 9

23 HL23 38

HL3:3A with E23 5

51 HL51 24

T3.2B soil sample
Taken south side Crk # 3

Certified by *Chyokki*



01-Sep-92 date

Assay Certificate

page 4

Ivan Elash

WO#13729

Sample # Au ppb

HL52	11
HL53	14
HL8	19
HL9	18
HST1-0	8
HST1-10	8
HST1-3A	45
HST1-4	6
HST1-5	8
HST1-6	5
HST1-7	45
HST1-8	8
HST1-9	45
T2-0	7
T2-1	11
T2-2A	5
T2:0	45

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11-Aug-92 date

Assay Certificate

page 1

Haywire Industries

WO#13655

Sample #	Au ppb
1.10 -	6
1.11A -	23
2.0 -	11
2.10 -	19
2.2A -	11
3.0	7
3.0A	<5
3.10	21
4.0 -	11
4.0A	9
4.0B -	9
4.10A -	<5
8.A	13
creek 4 fire	219
swamp	<5
#4 M #1	<5
#4 M #2	<5
1.1 -	8
1.2 -	30
1.3 -	7
1.4 -	12
1.5 -	8
1.6 -	11
1.7 -	10
1.8 -	9
1.9 -	12
2.1 -	12
2.11 -	5
2.2 -	9
2.3 -	7
2.4 -	9
2.5 -	7
2.6 -	706
2.7 -	9
2.8 -	24
2.9 -	19
3.1 -	<5
3.11 -	14

Certified by *Chyolcki*



11-Aug-92 date

Assay Certificate

page 2

Haywire Industries

WO#13655

Sample # Au ppb

3.12 -	37
3.13 -	<5
3.144 -	<5
3.2 -	<5
3.3 -	<5
3.4 -	13
3.5 -	8
3.6 -	451
3.7 -	99
3.8 -	8
3.9 -	489
4.1 -	<5
4.11 -	6
4.2 -	<5
4.3 -	936
4.4 -	<5
4.5 -	7
4.6 -	143
4.7 -	<5
4.8 -	5
4.9 -	12
5 -	<5

Certified by *Chyokki*





2036 Columbia Street
Vancouver, BC
Canada V5Y 3E1
Phone (604) 879 7878
Fax (604) 879 7898

R E P O R T S U M M A R Y

Report:[9200577 R]

A N A L Y T I C A L R E P O R T

=====

Origin

Inception Date:[Aug 04, 1992]

Client:[	309	Northern Analytical Laboratories]
Contact:[		Norm Smith]
Project:[	0	13655]
Amount/Type:[	59	Pulp]
[]

Analytical Requisition

Geochemical:[	ICP(AqR)30]	
Assay:[	None	]	ICP:[30]
Comments:[	Fax ASAP]

Delivery Information

Reporting Date:[Aug 06, 1992]

Principal Destination (Hardcopy,Fascimile,Invoice)

Company:[	Northern Analytical Laboratories]
Address:[	105 Copper Road]
City/Province:[	Whitehorse, YT]
Country/Postal:[	Y1A 2Z7]
Attention:[	Norm Smith]
Fascimile:[	403/668-4890]

Secondary Destination (Hardcopy)

Company:[]
Address:[]
City/Province:[]
Country/Postal:[]
Attention:[]
Fascimile:[]

2 data pages in this report.

Approved by:

B.C. Certified Assayers

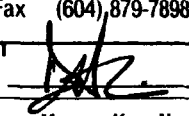
iPL Report: 9200577 T Northern Analytical Laboratories
 Project: 13655

In: Aug 04, 1992
 Out: Aug 06, 1992

59 Pulp

Page 1 of 2

Section 1 of 1
 Certified BC Assayer



David Chiu

Sample Name	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
13655 1 : 1	<	15	12	70	<	<	<	1	<	<	0.1	9	20	223	11	22	24	1375	10	41	2	2	0.04	1.09	0.82	1.80	0.57	0.09	0.03	0.07
13655 1 : 2	<	11	7	58	<	<	<	2	<	<	<	8	17	152	16	20	24	499	12	31	2	1	0.04	0.89	0.62	1.61	0.47	0.06	0.03	0.08
13655 1 : 3	<	13	12	61	<	<	<	2	<	<	0.2	8	17	177	10	21	25	600	11	37	2	2	0.04	1.01	0.75	1.74	0.53	0.07	0.03	0.08
13655 1 : 4	<	12	10	66	<	<	<	1	<	<	0.1	8	18	183	8	20	23	660	10	37	2	1	0.04	1.01	0.74	1.64	0.53	0.08	0.03	0.07
13655 1 : 5	<	14	11	75	<	<	<	1	<	<	0.2	9	19	198	6	22	25	739	11	42	2	2	0.05	1.11	0.88	1.80	0.58	0.09	0.03	0.07
13655 1 : 6	<	27	14	106	<	<	<	2	<	<	0.2	11	24	243	<	26	30	856	12	54	2	2	0.05	1.34	1.14	2.23	0.69	0.12	0.03	0.08
13655 1 : 7	<	23	15	98	<	<	<	2	<	<	0.3	11	24	209	<	25	29	863	11	50	2	2	0.05	1.26	1.02	2.12	0.65	0.11	0.03	0.08
13655 1 : 8	<	40	17	156	<	<	<	2	<	<	0.5	14	32	275	<	32	36	1101	13	55	3	3	0.05	1.53	1.12	2.75	0.77	0.15	0.03	0.09
13655 1 : 8A	<	30	15	110	<	<	<	2	<	<	0.3	11	27	239	<	26	29	786	10	56	3	2	0.04	1.30	1.19	2.32	0.69	0.12	0.03	0.08
13655 1 : 9	<	48	20	147	<	<	<	2	<	<	0.8	14	34	266	<	32	34	1298	12	67	3	2	0.04	1.51	1.47	2.71	0.81	0.15	0.03	0.10
13655 1 : 10	<	30	15	97	<	<	<	2	<	<	0.5	11	27	190	<	26	30	809	10	49	2	2	0.04	1.20	1.01	2.23	0.66	0.11	0.03	0.08
13655 1 : 11A	<	49	18	139	<	<	<	2	<	<	0.4	13	34	206	<	31	35	865	11	60	3	2	0.04	1.45	1.36	2.69	0.79	0.14	0.03	0.11
13655 2 : 0	0.1	21	14	91	<	<	<	2	<	<	0.3	10	25	209	<	21	29	871	11	33	2	1	0.04	0.88	0.61	2.20	0.46	0.06	0.02	0.08
13655 2 : 1	<	21	15	88	<	<	<	2	<	<	0.2	10	25	210	<	21	27	864	11	34	2	1	0.04	0.90	0.62	2.09	0.47	0.07	0.02	0.08
13655 2 : 2	<	27	22	131	<	<	<	2	<	<	0.4	10	25	207	<	21	26	850	10	43	2	1	0.03	0.96	0.81	2.18	0.50	0.07	0.02	0.07
13655 2 : 2A	<	18	17	98	<	<	<	2	<	<	0.1	10	23	157	<	21	30	716	11	28	2	1	0.04	0.78	0.48	2.10	0.43	0.06	0.02	0.07
13655 2 : 3	<	17	14	92	<	<	<	2	<	<	0.1	9	22	158	<	21	30	633	12	24	1	1	0.04	0.82	0.52	2.03	0.44	0.06	0.02	0.07
13655 2 : 4	0.1	23	20	171	<	<	<	2	<	<	0.3	10	26	171	<	23	30	649	11	36	2	2	0.04	0.92	0.64	2.23	0.53	0.06	0.02	0.06
13655 2 : 5	<	19	18	118	<	<	<	2	<	<	0.4	10	24	155	<	23	32	533	13	35	2	2	0.04	0.87	0.67	2.19	0.56	0.07	0.02	0.07
13655 2 : 6	<	17	15	105	<	<	<	1	<	<	0.1	9	21	138	<	23	31	420	12	32	2	1	0.04	0.81	0.60	2.07	0.51	0.06	0.02	0.08
13655 2 : 7	<	14	15	74	<	<	<	1	<	<	0.2	8	21	107	<	22	29	377	12	24	2	1	0.03	0.71	0.50	1.92	0.48	0.06	0.02	0.07
13655 2 : 8	<	14	13	72	<	<	<	2	<	<	0.2	8	19	115	<	21	29	340	10	28	2	1	0.04	0.75	0.54	1.91	0.50	0.05	0.02	0.08
13655 2 : 9	<	19	14	90	<	<	<	2	<	<	0.2	9	25	146	<	26	34	442	16	37	2	2	0.04	0.91	0.72	2.27	0.60	0.07	0.02	0.08
13655 2 : 10	<	15	13	80	<	<	<	1	<	<	0.1	8	20	115	<	24	34	370	14	27	2	1	0.04	0.75	0.56	2.11	0.51	0.05	0.02	0.08
13655 2 : 11	<	15	15	77	<	<	<	2	<	<	0.4	8	22	118	<	22	27	387	14	29	2	1	0.04	0.79	0.58	1.88	0.53	0.07	0.02	0.07
13655 3 : 0	<	22	20	112	<	<	<	2	<	<	0.3	12	28	168	<	25	30	1169	11	37	2	2	0.03	1.01	0.72	2.39	0.59	0.08	0.02	0.08
13655 3 : 0A	<	19	15	63	<	<	<	1	<	<	0.3	8	24	138	<	24	24	368	9	31	2	1	0.03	0.95	0.83	1.72	0.51	0.08	0.02	0.08
13655 3 : 1	<	19	20	91	<	<	<	2	<	<	0.2	10	25	145	<	26	33	886	12	31	1	2	0.04	0.91	0.60	2.27	0.54	0.07	0.02	0.07
13655 3 : 2	<	19	20	79	<	<	<	2	<	<	0.1	9	25	144	<	26	32	507	10	34	2	2	0.04	1.03	0.68	2.14	0.59	0.07	0.02	0.08
13655 3 : 3	<	17	45	72	<	<	<	1	<	<	<	10	24	141	<	23	29	783	10	26	2	2	0.04	0.88	0.56	2.03	0.53	0.07	0.02	0.06
13655 3 : 4	<	18	35	76	<	<	<	2	<	<	0.3	9	23	132	<	24	28	612	10	28	2	1	0.03	0.84	0.63	1.97	0.52	0.08	0.02	0.07
13655 3 : 5	<	15	30	70	<	<	<	1	<	<	0.4	8	20	122	<	22	29	478	11	25	2	1	0.03	0.78	0.59	1.93	0.49	0.07	0.02	0.06
13655 3 : 6	<	14	25	67	<	<	<	2	<	<	0.3	9	21	122	<	24	29	396	10	26	2	1	0.04	0.84	0.60	1.94	0.52	0.07	0.02	0.07
13655 3 : 7	<	16	25	69	<	<	<	1	<	<	0.3	8	21	124	<	23	28	451	11	27	2	1	0.04	0.83	0.62	1.88	0.52	0.07	0.02	0.07
13655 3 : 8	<	15	25	69	<	<	<	1	<	<	0.3	10	24	135	<	28	38	482	13	25	2	2	0.04	0.87	0.57	2.28	0.58	0.08	0.02	0.07
13655 3 : 9	<	16	23	67	<	<	<	2	<	<	0.1	9	23	128	<	25	33	416	11	28	2	2	0.04	0.85	0.66	2.08	0.56	0.07	0.02	0.07
13655 3 : 10	<	18	24	83	<	<	<	2	<	<	0.2	10	25	147	<	26	31	497	10	32	2	2	0.04	0.90	0.83	2.06	0.63	0.08	0.02	0.06
13655 3 : 11	<	15	18	57	<	<	<	2	<	<	<	8	22	129	<	24	32	302	10	29	2	2	0.04	0.84	0.73	2.02	0.56	0.06	0.02	0.06
13655 3 : 12	<	15	16	60	<	<	<	2	<	<	0.3	8	21	121	<	23	30	356	11	29	2	1	0.04	0.79	0.77	1.91	0.57	0.07	0.02	0.07



INTERNATIONAL PLASMA LABORATORY LTD

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iPL Report: 920057/1 Northern Analytical Laboratories
Project: 13655

In: Aug 04, 1992
Out: Aug 06, 1992

59 Pulp Page 2 of 2

Section 1 of 1
Certified BC Assayer

David Chiu

Table with columns: Sample Name, Ag, Cu, Pb, Zn, As, Sb, Hg, Mo, Tl, Bi, Cd, Co, Ni, Ba, W, Cr, V, Mn, La, Sr, Zr, Sc, Ti, Al, Ca, Fe, Mg, K, Na, P. Rows contain analytical data for various samples (e.g., 13655 3:13, 13655 4:0A, etc.)

Min Limit 0.1 1 2 1 5 5 3 1 10 2 0.1 1 1 2 5 1 2 1 2 1 1 1 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
Max Reported* 99.9 2000 2000 2000 9999 9999 9999 9999 999 999 999 99.9 999 999 9999 999 9999 999 9999 9999 9999 9999 999 99 1.00 99.99 99.99 99.99 9.99 9.99 5.00 5.00
Method ICP
---No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 % =Estimate % Max=No Estimate
International Plasma Lab Ltd. 2036 Columbia St. Vancouver BC V5Y 3E1 Ph:604/879-7878 Fax:604/879-7898



LEGEND

- Silt Sample EL10-11 12
- Soil Sample
- × Rock Sample
- YUKON MINFILE # 105C003

EL13-3 <5 (40) repeat analyses
 Sample number gold (ppb)

NTS 105 CV8,9

FIGURE 3
 ENGLISHMANS RANGE PROJECT
 SAMPLE LOCATIONS
 AND
 GEOCHEMISTRY

JOB: TUAN ELASII 92-098

DATE PAGE

Jul 02	Sep 02		
10	03		
11	04		
12	05		
13	06		
14	07		
15	08		
16	09		
17	10		
18		31	DAYS
19			
Aug 10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			



PARTY CHIEF.....

WEATHER.....

JOB.....

DATE.....

PAGE 01

July 02, 92. Drove to Testin and did a fly over the intended area looking for possible locations on the Wolf River for prospecting.

July 10 - Landed Fish Lake and proceeded down Wolf River

July 11 - Set up camp on island across from Crk #1

July 12 - Proceeded up hill #1 and took Hard rock samples

Sample #1 - Tailings Sample at Random

#2 - Top of Hill #1 - 100 yds from S.W. Face

using a declination of 26.5°

PARTY CHIEF.....

WEATHER.....



JOB.....

DATE.....

PAGE.....

5/11/71					
5/12/71					
5/13/71					
5/14/71					
5/15/71					
5/16/71					
5/17/71					
5/18/71					
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5/25/71					
5/26/71					
5/27/71					
5/28/71					
5/29/71					
5/30/71					
5/31/71					



PARTY CHIEF.....

WEATHER.....

JOB.....

DATE.....

PAGE.....

04

July 14

Stayed in Camp due
to weather and organized
prev. examples.

PARTY CHIEF.....

WEATHER.....



JOB.....

DATE.....

PAGE.....



PARTY CHIEF.....

WEATHER.....

JOB.....

DATE.....

PAGE

05

July 15

Crk 3

282° from Island Camp

silt sample started
across from white bear.

3:0 silt sampled

3:04 236° from Crk 3

Took extra sample
on side tributarySample run started
at 253° heading to white
Hard rock near to the S.W.

3:14 last sample.

water still flowing well
but has flattened out
where creek willows are
very dense we flagged crossing
20m from the North end of
creek.

PARTY CHIEF.....

WEATHER.....



JOB.....

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PAGE 08

July 18 Hill 4, North side
of Crk 4. Found numerous
outcrops and sampled there. Lots
of quartz veins and cracked rocks
also took pictures. On south face
took samples off shore.

4:0 A. Sampled 7 soil on
shore.

4:0 B sample 1 (silt.)

4:0 silt sample.

5:0 at junct of crk #5
intercepting Crk #4 on
crk 5

4:10 A Just below junction
of crk 5 (980 m)
end of sampling.
175m from mouth of
crk.



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Aug 12 Soil sampling Traverse #1
Crk #4

Ti: 0 300 m south of Crk #4 proceed
To Sample in North bound
Heading of 50°

Ti: 1A Bottom of mud slide between
Ti: 1 Ti: 2

Ti: 3 Taken at Crk #4 South side
5' from Crk.

Ti: 3A North side Crk #4 8' from Crk

4: 1A was silt sample south side
Crk #4 under double logs

4: 1B silt sample North side in
Crk under willows

Crk #5 interests with trans
verse 1 called sample 5: 0
(4: 5: 0) same size as Crk #3



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Aug 13

Traverse # 2 Crk # 4 - Crk # 3
 started at Crk # 4 with bench
 sample North side 12' over and
 4' up. The plan today is to
 do T2 and T3 between crk # 4 & 3
 and do outside of Crk samples
 to 300 m. To morrow.

Sample T2: 4 is just over (15m)
 Just over edge of bench from Crk
 this area sloping gently towards
 the river

~~T2~~ T2: 7 No Sample due

To Swamp

T2: 7A on bench 5' from
 edge on top. at 90 m crk # 5
 is at 110 m

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T2: 8 100 m mark down
from Bench 1/2 way to creek
incline is 45°

Crk #5 intersect with T2 is
sample called EL 5:1 silt. This inter-
section is at 110 m mark

T2: 17 A up bench 6' South
side Crk #3 at m. 1768

From T2: 17 B is up bench
3 m. To N. 1773 m.

EL 3: 1 - T2 intersects
Crk #3 1770 m.

20 m. above T2: End - 2

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Aug 14

headed up creek #4 and
completed T2 from ~~T2~~
Ck (T2-3A).

North bank to T2:0-
T2:2 is 100 m at 65° incline
from creek

T1 same location upstream
is in a natural bowl.

T2:2A. is extra sample 10 m
bearing 132° from sample T2:2
this sample taken in a small
trough parallel to T2.

T2-3B soil taken 4 m south
side of Ck #4



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Charged to 230° heading at
1153 m and encountered 3:5
Flag 1199 m. Started 10 m
Sampling at 3:5, with #12
being the first concentration up as
we proceeded downstream to
sample 3:9

Meter 103 crossed original
creek sample 3:6. Sample 17
was actually taken 3 m above
flagging. Sample 24 was taken
3 m down stream from flagging.

Sample #32 intersects 3:7
and T3. This is at 200 m.

Sample #43 Intersects 3:8
exactly

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Aug 16 Went back up Ck #4 on bench on North side to Outcrop 4:0 Then down to Ravine attempted cliff on North side, No Way.

Up Ravine EL 4100 South side Ck #4 115 m upstream from 4:0 Original sample of Ck #4.

On to EL 4101 120 m upstream South side of creek with sample EL 4102 263 m on North side of creek These three samples were all creek samples. Wanted to traverse over edge of bank but weather turned ugly and had to return via the Ravine.

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Aug 17.

Up Crk #5 to intersect
of T:1 & H.L:SD started chaining
upstream to begin sampling.

Sample EL: 5101 at 98 m

Intersect T:3 at 108 m

Sample EL: 5102 at 298 m.

Sample EL: 5103 at 495 m
chained off.

Took bearing 190° looking for
Crk #4. Intersected 4:2
down to Crk #4 located flay 4:1

Took bearing 190° to Crk #6.

Intersected E.S. T1 and proceeded
to Crk #6.



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Sept. 02

30

Into camp.

Sept 03

~~Atton. rained all day were
 expecting snow. Took sample
 200 yds upstream of Wolf River
 from Crk #4
 marked L.L. R1~~

Intermittent Rain all the way down the camp.



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Hill on bearing's out of Camp on west side limestone no noticeable veining. Proceeding to east side of hill encountered veining of what appears to be quartz as bedded on hill # 4.

more varied outcropping at 1475 m. Looked for mineralization at 1700 m. Tremendous amount of quartz veining as on Hill # 4.

Started directly across from camp, heading 90°. Encountered trail at 587 m. Changed heading at this point to 140° and went straight up hill to top hoping to find some out crops. Top of knob is 1026 m. Bearing change to 110° and



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aim for top of mountain 1670m we are drifting a bit to 120°. But the bush is making us change course will correct now. Outcrop showing here with quartz veining everywhere some crystallized of quartz as well. Top of mountain 2377m. Reset chain to zero at top of mtn. Taking heading 134° to st. crk. just below lake supposed to take 300 m. If samples and take 320° heading back to camp. Located abandoned exploration camp 374m next to lake. Followed dry creek 350 m turned up dry did not sample. Changed heading to 320° to head back to camp. Hard Rock sample 001 at 1670m. Intersected original track and flagged camp.

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001

Strike 90°

Dip 70°



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Sept 06

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Heading west from camp thru
 swamp at swamp cut left and
 climbed steadily till we encountered
 crk #9. Crk. 9 - 2' bank 8" deep
 flow heading 258° started 9:0 and
 sampled at 100m intervals. flattens
 out at 9:2 very steep from 9:0
 Seems to be a fair bit of quartz
 quartzite in crk. At 9:4 stopped
 sampling and took heading 174°
 in search of crk:10. Sample #25
 of hard rock located 1113m from
 crk #9 on way to crk 10. This
 sample is float from above? 1641m
 intercept crk 10 1' wide 8" deep.
 Start sampling at 100m intervals
 from 10:0



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Sept 09

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Rained all night. This has not been a good trip. It looks as though it will continue thru the day. Hopefully the plane can get in tomorrow to pull us out, but today we hear absolutely no air traffic and the clouds are quite low. The snow is creeping further down Englishman's Range, and it's a cold morning.

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