

LAP NO.: ASSESSMENT REPORT
PROSPECTUS
05M 13 CONFIDENTIAL X
06D 4 OPEN FILE

DOCUMENT NO: 093141
MINING DISTRICT: MAYO
TYPE OF WORK: DRILLING
TRENCHING

REPORT FILED UNDER: IVANHOE GOLDFIELDS LTD.

DATE PERFORMED: JUNE 21 TO JULY 4, 1993

DATE FILED: NOV 19, 1993

LOCATION: LAT.: 64°02'N

AREA: DUBLIN GULCH

LONG.: 135°51'W

VALUE \$: 53,700

LAIM NAME & NO.: WEST 29, 31, 33, 35, 37, 41, 43, 45, 47, 49 (YB18796, 98, 800, 802, 804, 808, 10, 812, 814, 816), WEST 51-61 (YB18818-824), WEST 67-88 (YB18835-855), WEST 92-104 (YB18859-71), WEST 106 (YB18873), WEST 108-111 (YB18875-878), WEST 122-131 (YB18889-898), WEST 145-155 (YB18912-922), WEST 166 (YB18933), SEC 1-18 (YB29877-894), SEC 25-124 (YB29901-999), W 7F-16F (YB42208-YB42217), W 18F (YB42218), W 19F (YB42219)

WORK DONE BY: C.N. ORSSICH

WORK DONE FOR: IVANHOE GOLDFIELDS LTD QUEENSTAKE RESOURCES LTD

DATE TO GOOD STANDING:

REMARKS: 2 RC DRILL HOLES TOTALLING 307.39 M

TRANSMITTAL FORM

R.M.M.R. file no.

Date forwarded

15 Nov. 93

From Mining Recorder at:

Mayo

To Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

NEW APPLICATION FOR PLACER LEASE TO PROSPECT

Name

RENEWAL APPLICATION PLACER LEASE TO PROSPECT

Name

Lease no.

AFFIDAVIT OF EXPENDITURE ON PLACER LEASE

Name

Lease no.

SECURITY DEPOSIT

FINANCIAL ABILITY

ASSIGNMENT OF PLACER LEASE NO.

From

To

GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.

Owner

DIAMOND DRILL LOGS

Claims

Claim sheet no.

QUARTZ ASSESSMENT REPORT

Claims

Claim sheet no.

Type of report

Submitted by

for *Ivohoe Goldfields Ltd.*

Cls. work performed on

\$ req. for ren. application

Physical

Sec 19-24, West 1-50, W1F - W6F

106-D-4/105-M-13

*Drifting, Tranching
Geochemical*

C.N. Dressich

10,000.00

53,700

Please return one numbered copy of Report and index card for our files.

Archan
Signature

Date returned

REPLY ACTION

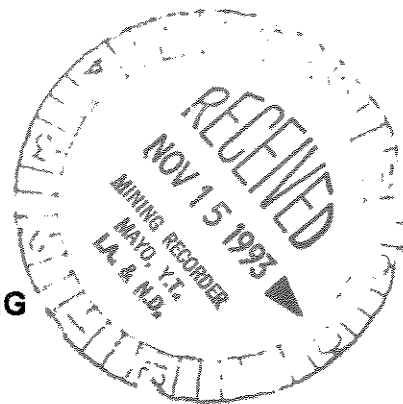
093141

This is a physical work report as in the previous report. If it was submitted as a quartz assessment report it requires Geology, History, References, Conclusion, Geology map, geotechnical maps etc. As a physical work report, it is excellent

Jan 4/94

Dennis Ouellet
Signature

**1993 DUBLIN GULCH DRILLING AND TRENCHING
ASSESSMENT REPORT**



Author: C.N. Orssich, P. Geo.

Date: October 1993

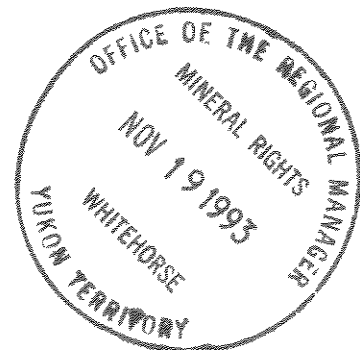
Work period: June 21 to July 4, 1993

Claims: West, Sec and W

Location: Area - Central Yukon Territory
Mining District - Mayo
Co-ordinates 135° 51' W Longitude
64° 02' N Latitude
N.T.S.: 105 M/13, 106 D/4

Owner: Ivanhoe Goldfields Ltd.
Queenstake Resources Ltd.

Operator: Ivanhoe Goldfields Ltd.



093141



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 \$ ~~1000~~ 53,700.00

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

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Figure 1	Property Location Map (scale 1" to 120 miles)	After page 1
Figure 2	Claim Map (scale 1" to 1/2 mile)	After page 1
Figure 3	Drill Hole and Trench Location Map (scale 1:5000)	After page 1

GENERAL STATEMENT

Ivanhoe Goldfields Ltd. completed two reverse-circulation drill holes and one backhoe trench in the Platinum Gulch area of the Dublin Gulch property which is located approximately 70 km by road north of Mayo in central Yukon Territory. The drilling and trenching was carried out on the Smoky 3, 4 and 96F claims respectively. The claims were grouped in such a way so as to apply assessment to the West, Sec and W claims as listed in Appendix I.

Midnight Sun Drilling Ltd. of Whitehorse, Y.T. supplied a Schramm T450H drill rig mounted on a TF240 Nodwell capable of drilling with both reverse-air tricone bits and face sampling hammer bits. The drill rig was mobilized onto the property on June 11 and holes DG 93-70 and 71 were drilled on July 4 to July 6, 1993.

Drill cuttings passed first through a cyclone before dropping into a rotary wet splitter. A one quarter split of the sample from the rotary splitter was bagged and sent to Chemex Labs Ltd. in North Vancouver for analysis. Representative chips from the reject side of the splitter were logged on site and stored in plastic chip trays.

Dublin Gulch Mining Ltd. of Whitehorse, Y.T. performed the trenching with a Hitachi excavator on June 21st and on June 29 to July 4, 1993. Where possible, the trench walls were geologically mapped at a scale of 1:100 and continuous chip-channel samples 1.5 m long were collected from the partially frozen trench walls.

Drill logs, trench maps and assay results are attached as Appendices II, III and IV respectively.

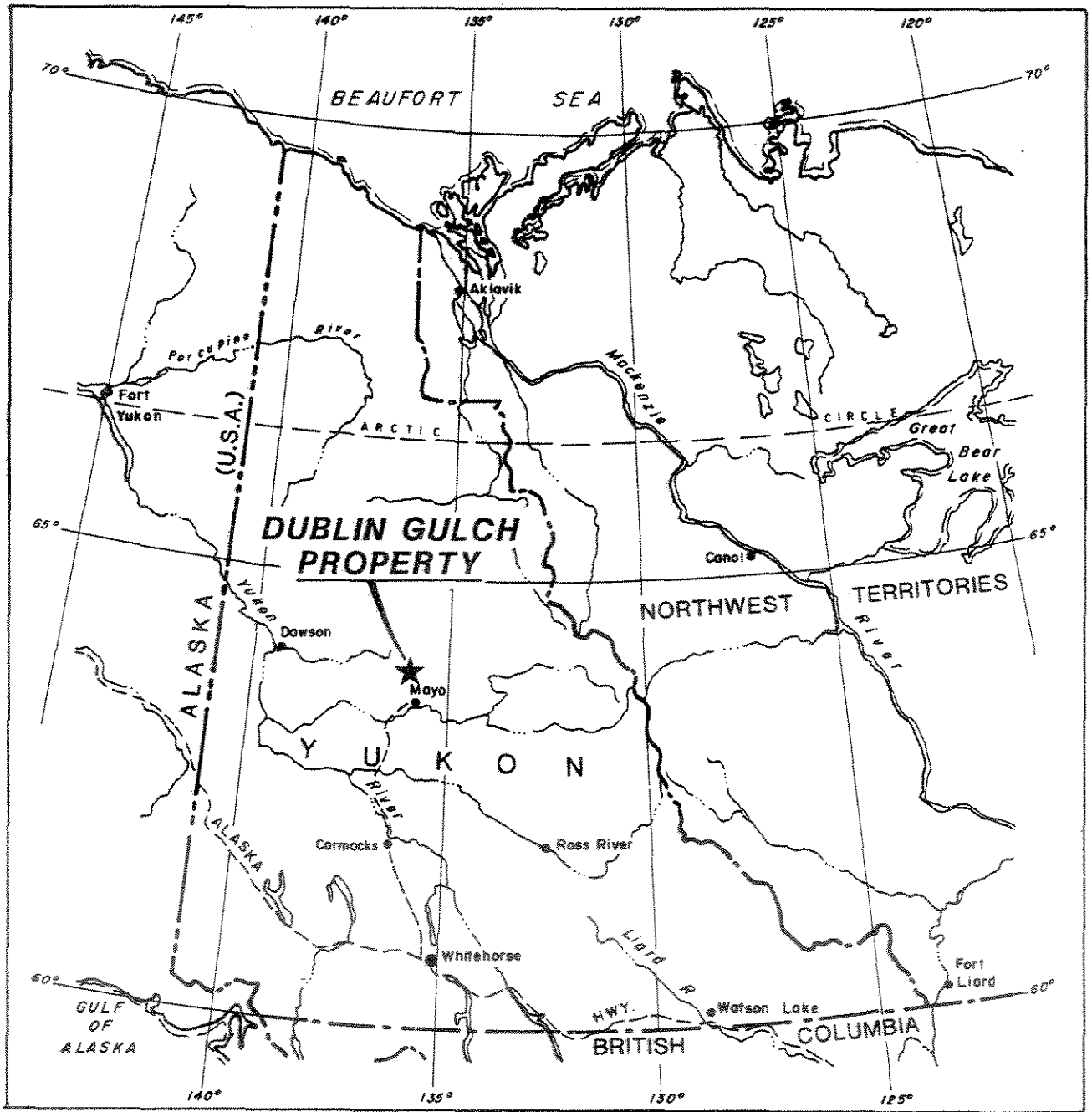
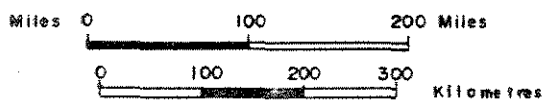


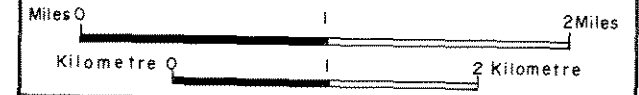
FIGURE 1

IVANHOE GOLDFIELDS LTD.

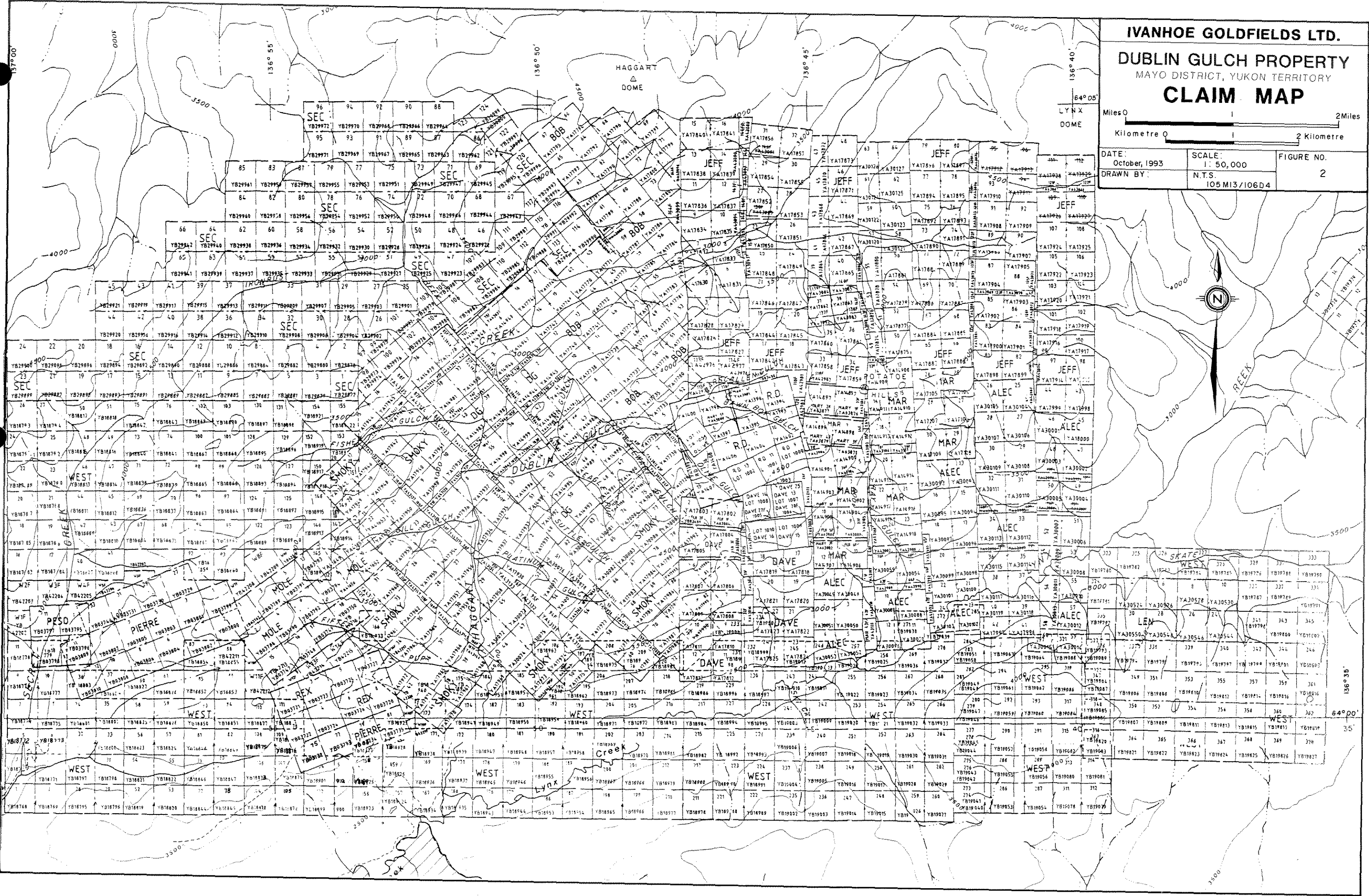
LOCATION MAP

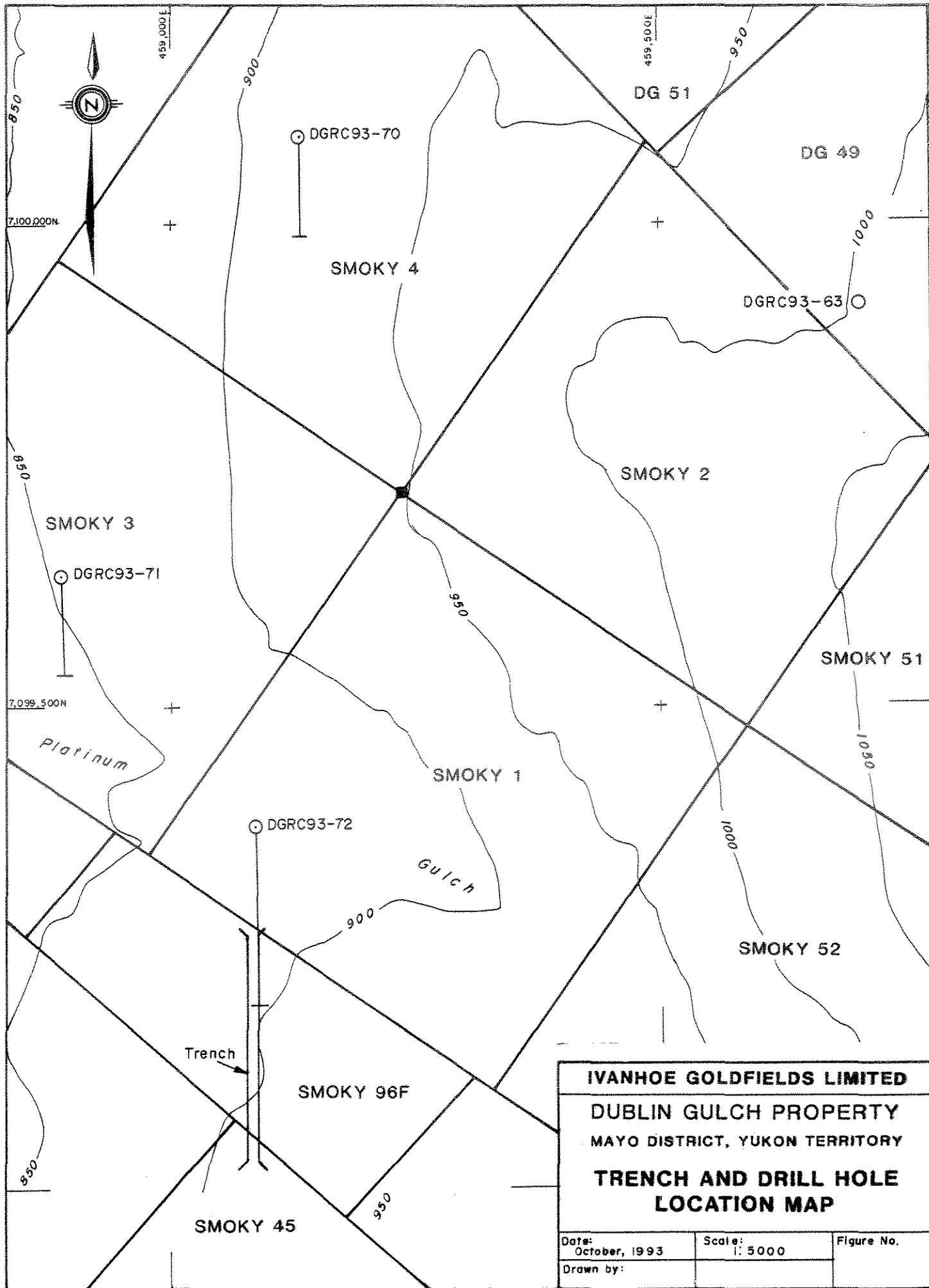


IVANHOE GOLDFIELDS LTD.
DUBLIN GULCH PROPERTY
MAYO DISTRICT, YUKON TERRITORY
CLAIM MAP



DATE: October, 1993	SCALE: 1: 50,000	FIGURE NO. 2
DRAWN BY:	N.T.S. 105 MI3/106D4	





IVANHOE GOLDFIELDS LIMITED		
DUBLIN GULCH PROPERTY		
MAYO DISTRICT, YUKON TERRITORY		
TRENCH AND DRILL HOLE LOCATION MAP		
Date:	Scale:	Figure No.
October, 1993	1: 5000	
Drawn by:		

APPENDIX I

CLAIMS DATA

APPENDIX I

Claims Data

<u>Claim Names</u>	<u>Grant Numbers</u>	<u>Expiry Dates*</u>
WEST 29	YB18796	October 1, 1996
WEST 31	YB18798	October 1, 1996
WEST 33	YB18800	October 1, 1996
WEST 35	YB18802	October 1, 1996
WEST 37	YB18804	October 1, 1996
WEST 41	YB18808	October 1, 1996
WEST 43	YB18810	October 1, 1996
WEST 45	YB18812	October 1, 1996
WEST 47	YB18814	October 1, 1996
WEST 49	YB18816	October 1, 1996
WEST 51-61	YB18818-YB18824	October 1, 1996
WEST 67-88	YB18835-YB18855	October 1, 1996
WEST 92-104	YB18859-YB18871	October 1, 1996
WEST 106	YB18873	October 1, 1996
WEST 108-111	YB18875-YB18878	October 1, 1996
WEST 122-131	YB18889-YB18898	October 1, 1996
WEST 145-155	YB18912-YB18922	October 1, 1996
WEST 166	YB18933	October 1, 1996
SEC 1-18	YB29877-YB29894	October 1, 1996
SEC 25-124	YB29901-YB29999	October 1, 1996
W 7F-16F	YB42208-YB42217	October 1, 1996
W 18F	YB42218	October 1, 1996
W 19F	YB42219	October 1, 1996

* Expiry dates assuming acceptance of assessment work.

APPENDIX II

DRILL LOGS, HOLES DG93-70, DG93-71

DUBLIN GULCH

1993 DRILL LOG EXPLANATION

SUMMARY SHEET

Drill Hole #:

Project DG.
 Type of Hole, .
 DH core
 RC reverse circulation
 MC metallurgical core hole, usually large diameter
 GW groundwater monitor
 Year drilled (last two digits).
 Number of hole (three digits).
 Example - DGRC 93063

Total Depth: Depth at completion.

Azimuth: - 0-360°.

Inclination: Angle of hole from horizontal as a negative number.

Hole Diameter: NQ, HQ, PQ etc. for core; diameter of bit for RVC or larger core holes in inches; give depths of bit reductions; also record size and depth of casing.
Note: If casing is advanced through a zone previously sampled by hammer, make a note. Sample diameter must be easily discernible.

Overburden: Depth of overburden.
 Casing: Length of casing, often 10-15' more than depth of overburden; was casing left in hole?
 Deviation: If surveyed.

Location General: General description until hole is surveyed.

Survey Coordinates: UTM coordinates northing, easting.

Elevation: Once hole is surveyed, in metres.

Date Started, Date Finished, Contractor, Rig: self explanatory.

Lithology: Table with rock type and intervals in metres.

Alteration: Table with alteration type, intensity, quartz vein density; summarize intervals in metres

Mineralization: Table summarizing intervals of visible gold, bismuth, arsenopyrite, scheelite etc. in metres.

Assay Intercepts: ppm Au/Interval in metres, very important to record any information that could compromise assay sample quality (ie. caving ground poor recovery, high water flows). Also document missing samples.

Comments: Space to record drilling problems or data not recorded elsewhere. Sample quality can be expanded upon here.

Sample numbers:-
 (Table)
 - Keep assay samples in consecutive order.
 - Control pulps inserted every 20 samples.
 - Rig duplicates taken every 50' (every 10 samples).
 - Blanks inserted after highgrade intervals or randomly through hole.
 - Record requisition number and also laboratory record number when assay results are received.

DETAILED DRILL LOG SHEET

Sample Data

Every column needs a numeric entry. No arrows, no blanks or dittos. In all of the following categories a 1-9 code should be entered if no sample or data was obtained.

- a) From-to Footages: Depth of the top and bottom of a sheet. Indicate hundreds of feet for each sheet. ie 100 - 200'
- b) Interval: RVC intervals are usually 5 feet. Core intervals will also be 5 feet for consistency.
- c) Sample Number: Number on the sample bag.

- d) Blank space for recording the insertion of control, blank or duplicate sample.
- e) Split portion collected for assay sample; percent (ie. one quarter split is 25).
- f) Weight of split assay sample (from lab after drying).
- g) Recovery as a percent calculated from sample weight and theoretical weight (to be generated by computer in the data base and inserted later).
- h) Assay data: Gold result in ppm; -9 indicates no sample taken. Space has been provided for repeat analysis (Au 2).

Geological Description

Clr: Two digit number describing colours; the two digits combine to produce shades.

Color 1 (Predominate)	Color 2 (Shade)	
-9 no data	1 black	Colour 1 is the predominant colour. If there is no shade then gets recorded again as colour 2. ie just white=22 or just gray=66.
1 black	2 white	
2 white	3 brown	
3 brown	4 red	
4 red	5 orange	
5 orange	6 grey	
6 grey	7 green	
7 green	8 blue	
8 blue	9 purple	

Lith: Three digit code describing the predominate rock type in the sample interval.

Primary Rock Group

Texture

- | | |
|--------------------------------------|------------------|
| -9 no data | 0 undif, massive |
| 00 overburden | 1 fine-grained |
| 10 Granodiorite | 2 med-grained |
| 20 Quartz Monzonite | 3 coarse-grained |
| 30 Mafic(Biotite) rich GD or QM | 4 porphyritic |
| 40 Aplite Dikes | 5 vuggy |
| 50 Pegmatite | 6 gross |
| 55 Skarn | 7 breccia |
| 60 Biotite-Quartz-Adalusite Hornfels | 8 banded |
| 65 Calcisilicate Hornfels | 9 foliated |
| 70 Quartzite | |
| 80 Phyllite | |
| 85 Biotite ± quartz schist | |
| 90 Quartz | |
| 92 Fault Zone | |
| 93 Shear Zone | |

Alt: Alteration is subdivided into two columns; the first column in the log (Rx) describes pervasive alteration, whereas the second column (Sel) is reserved for vein selvage alteration. Alteration is entered as a 3 digit code in each column with the first digit as the primary alteration followed by intensity (see following detailed description). The third digit is the secondary alteration. Pervasive alteration must also be recorded in the selvage alteration column.

Alteration Intensity

- | | |
|-----------------|-------------------------|
| -9 no data | 0 no alteration (fresh) |
| 0 no alteration | 1 weak |
| 1 Phyllic | 2 moderate |
| 2 Argillic | 3 strong |
| 3 Propylitic | |
| 4 Silicic | |
| 5 Potassic | |
| 6 Albite | |
| 7 Calcisilicate | |
| 8 Skarn | |
| 9 Bleaching | |

Cb: Percent Carbonate (2 digits), mainly to determine ability of rock to neutralize acid generated from weathering sulphides.

- 9 no data
- 00 no carbonate
- 01 > 0 - 1% includes trace amount
- 02 2%
- .
- .
- 98 98%
- 99 99%

Oxidation State

- 9 no data
- 00 no FeOx or Sulfide.
- 01 Sulfide: only sulfide visible, no iron oxides.
- 02 Mixed Sulfide: mostly sulfide with traces of iron oxide.
- 03 Mixed Oxide: mostly iron oxide with traces of sulfide.
- 04 Oxide: only iron oxide, no sulfide.

The presence of other oxides may be recorded in the geological comments.

Sulfide - 3 digit code. Total sulfide in percent, followed by sulfide code.

- | | |
|--------------------------------------|------------------|
| 00 no sulfides | -9 no data |
| 01 1% sulfide, includes trace amount | 0 no sulfide |
| 02 2% | 1 pyrite |
| 03 3% | 2 arsenopyrite |
| . | 3 pyrrhotite |
| . | 4 bismuthinite |
| 98 98% | 5 native bismuth |
| 99 99% | 6 chalcopyrite |
| | 7 scheelite |
| | 8 native Au |

FeOx:

- 9 no data
- 00 no FeOx present
- 01 weak; thin film on fractures, weak color in ground mass
- 02 moderate; thin to moderate film on fractures, moderate color in groundmass
- 03 strong; thick film on fractures, strong color in groundmass

Veins:

Data will be recorded as a 3 digit code in two columns (core log only).

First two digits in each column will record vein density in veins per 5' interval, 3rd and 4th digits will record average width of veins in centimeters, fifth digit will record vein angle to core axis and sixth digit will record character of vein (from the first 4 digits the percentage of quartz veining in each interval can be estimated). Stockwork is designated with the prefix S in the first column.

Vein width	Vein angle to core axis	Vein character
00 no veins	0 no veins	0 undifferentiated
01 0-1 cm	1 0 - 10°	1 massive
02 2 cm	2 10 - 20°	2 chaledonic
03 3 cm	3 20 - 30°	3 coarsely crystalline
.	4 30 - 40°	4 milky white
.	5 40 - 50°	5 grey-tan
.	6 50 - 60°	6 clear
98 98 cm	7 60 - 70°	7 quartz-K feldspar
99 ≥99 cm	8 70 - 80°	8 vuggy
	9 80 - 90°	9 quartz segregations and sweats

Example: 150245

15 veins per 5' interval averaging 2 cm wide at 30-40° to core axis and grey-tan in colour.

in the RVC log, veins (Vn) are described by a 3 digit code; the first two digits as the percentage of quartz per 5' interval and the third digit indicating the dominate vein character as for the drill hole log above.

Fines: The percentage of fine, powdery material in an RVC interval should always be checked in an unwashed sample. The percentage refers to the relative percentage of fines to rock chips and not to the percentage of clay alteration.

- 9 no data
- 00 no fines
- 01 1 %
- 02 2 %
- .
- .
- 98 98%
- 99 99%

Accessory Minerals:

5 digit number listing percent vein sulfides and accessory minerals as the first two digits followed by the type of sulfide or accessory mineral, in order of abundance in the next 3 digits. (percent sulfide within the veins)

- | | |
|----------------|-------------------------------|
| -9 no data | -9 No data |
| 00 no sulfides | 0 No important accessories |
| 01 ≤1% | 1 pyrite |
| 02 2% | 2 arsenopyrite |
| 03 3% | 3 pyrrhotite |
| . | 4 bismuthinite |
| . | 5 native bismuth |
| . | 6 chalcopyrite |
| 98 98% | 7 scheelite |
| 99 99% | 8 native gold |
| | 9 rare or unknown (see notes) |

Graphic Log: Show schematic lithology, veins, alteration and structure.

Geological Comments: A few words to emphasize previous number codes or other observations; comments on size of chips in RVC drilling to warn of sample contamination, etc.

H₂O: This column refers only to groundwater encountered during drilling. A note should be made in comments at the point the driller first injects water into the hole. If the hole is a high discharge hole, try to determine the flow rate.

- 00 dry
- 01 first water
- 02 low discharge (<10 gal/min.)
- 03 high discharge (>10 gal/min.)
- 04 artesian (water to surface, no airlift)
- A more accurate estimate of flow rate can be recorded in Drill Comments

Drill Comments: Separate geological and drill comments - use this column for time of pipe changes, smoothness of drive and rotation, information on field time, stuck rods and recovery attempts, additional H₂O comments (ie. water colour, depth of water injection).

DETAILED DESCRIPTION OF ALTERATION

PHYLIC

- | | | | |
|---|------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | (Light) | - | Minor quartz-sericite veins cutting host rock. Sericite replacing phenocrysts of biotite and hornblende. Minor pyrite in veins. Occurs as narrow selvages. |
| 2 | (Moderate) | - | Dissemination of quartz-sericite-pyrite in groundmass away from vein. Original texture intact. |
| 3 | (Strong) | - | Groundmass flooded by quartz-sericite-pyrite. Original texture not discernable. |

ARGILLIC

- | | | | |
|---|------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | (Light) | - | 0 - 10% clay. Phenocrysts replaced or rimmed by clay. Kaolinite (white?), montmorillonite (green?), sericite, illite, etc. Cloudy feldspars present. |
| 2 | (Moderate) | - | 11 - 45% clay. |
| 3 | (Strong) | - | > 45% clay. |

PROPYLITIC

- | | | | |
|---|------------|---|--------------------------------------------------------------------------------------------------------------------------------|
| 1 | (Light) | - | Biotite slightly altered to chlorite, minor epidote. |
| 2 | (Moderate) | - | Most biotite altered to chlorite or epidote. Epidote replacement of feldspars. Possible carbonate as veins and disseminations. |

SILICIC

- | | | | |
|---|------------|---|---------------------------------------------------------------------------------------------|
| 1 | (Light) | - | Minor quartz veins. |
| 2 | (Moderate) | - | Groundmass partially flooded by quartz, or vein material partially dominating the interval. |
| 3 | (Strong) | - | Groundmass totally flooded by quartz or vein material dominant in the interval. |

POTASSIC

- | | | | |
|---|------------|---|----------------------------------------------------------------------------|
| 1 | (Light) | - | 0 - 10% K-feldspar alteration usually occurs as narrow selvages. |
| 2 | (Moderate) | - | 10 - 50% K-feldspar alteration of vein selvages and intervening intrusion. |
| 3 | (Strong) | - | +50% K-feldspar ± secondary biotite. |

ALBITIC

1, 2 and 3 similar to potassic alteration will probably only be recorded when staining for K-feldspar is carried out.

CALCSILICATE:

White to pale green bands in biotite hornfels, occasional garnet or pyroxene grain.

SKARN:

Clusters of garnet, diopside, actinolite, epidote, wollastonite, scheelite possible accessory in silicate skarn.

BLEACHING:

Often present in hornfels, destruction of graphite, bleached beds.

DUBLIN GULCH PROJECT																								
HOLE NO:		DGRC93070																						
TD: (meters/ft)		154.99	508.5	START DATE:		4-Jul-93		INTERCEPTS:				DOWNHOLE SURVEY DATA:												
NORTH: (utm)		7,100,092.00		COMPLETE DATE:		5-Jul-93		INTERVAL		FROM		TO		THICKNESS		GRADE		DEPTH(ft)			BEARING		INCLIN	
EAST: (utm)		459,133.00		HOLE DIAM:		6.00"/5.75"																		
BEAR:		187		GEOLOGIST:		Fleming/Casper																		
INCLIN:		-50		ASSAY FILE NO:																				
ELEV: (m)		910.00		LAST REV:		7-Oct-93																		
SITE:				DATA BY:		rcm																		
				COMMENTS:																				
INTERVAL				RECOVERY				ASSAY RESULTS				GEOLOGIC DESCRIPTION										COMMENTS		
DEPTH		SAMPLE		SPLIT	SAMP	TOTAL	DIAM	%	AU 1		AU 2		COLOR	LITH	ALT		CARB	OX	SULF	FE0X	VNS	FINES	ACC	
FROM	TO	NUMBER	WT(kg)	WT(kg)	WT(kg)	(in)	REC	PPM	PPM	PPM	PPM	PPM	PPM	RX	SELV	CARB	OX	SULF	FE0X	VNS	FINES	MIN	H2O	
0	5	-9			0	6.00	0					-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	
5	10	0700005	25	2.54	10.2	6.00	14	.070				31	000	000	000	00	0	000	0	000	20	00000	0	
10	15	0700010	25	2.37	9.5	6.00	13	.070				33	000	000	000	00	0	000	0	000	25	00000	0	
15	20	0700015	25	12.26	49.0	6.00	89	.070				13	000	000	000	00	0	000	0	000	30	00000	2	
20	25	0700020	25	17.68	70.7	6.00	99	.170				31	000	000	000	00	0	000	0	000	35	00000	2	
25	30	0700025	25	20.86	83.4	6.00	117	.070				31	000	000	000	00	0	000	0	000	25	00000	2	
30	35	0700030	25	18.06	72.2	6.00	101	.170				13	302	110	110	00	3	012	1	014	20	25200	2	
35	40	0700035	25	7.02	28.1	6.00	39	.340				32	302	000	000	05	3	022	2	404	15	10213	2	
40	45	0700040	25	11.44	45.8	5.75	70	.720				13	302	110	000	00	3	022	2	054	20	10210	0	
45	50	0700045	25	10.85	43.4	5.75	66	4.350				13	302	210	000	00	3	011	1	054	30	02120	0	
50	55	0700050	25	13.10	52.4	5.75	80	1.230				13	302	000	000	00	2	032	1	024	50	03210	0	
55	60	0700055	25	14.86	58.6	5.75	90	.410				13	303	000	110	00	2	011	1	000	30	00000	0	
60	65	0700060	25	15.76	63.0	5.75	96	.860				13	303	000	110	00	2	012	1	000	40	00000	0	
65	70	0700065	25	12.82	51.3	5.75	78	.240				13	303	000	110	00	2	011	1	000	60	00000	0	
70	75	0700070	25	13.40	53.6	5.75	82	.140				13	303	000	110	00	2	011	1	014	65	00000	0	
75	80	0700075	25	13.76	55.1	5.75	84	.100				13	303	000	110	00	2	011	1	024	60	00000	0	
80	85	0700080	25	12.40	49.6	5.75	76	.580				13	302	000	110	00	2	011	1	000	65	00000	0	
85	90	0700085	25	11.47	45.9	5.75	70	1.750				13	302	000	130	00	2	012	1	024	70	07218	1	
90	95	0700090	25	11.34	45.4	5.75	69	.550				13	302	000	110	00	2	011	1	014	70	01210	0	
95	100	0700095	25	11.96	47.8	5.75	73	.650				13	302	410	110	00	2	011	1	000	75	00000	0	
100	105	0700100	25	13.32	53.3	5.75	81	.240				16	302	000	130	00	2	011	1	014	40	01120	0	
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115	120	0700115	25	13.36	53.5	5.75	82	.550				16	302	110	120	00	2	021	1	014	65	01120	1	
120	125	0700120	25	16.92	67.7	5.75	103	.170				16	302	000	000	00	1	011	1	000	75	00000	2	
125	130	0700125	25	8.60	34.4	5.75	53	.070				16	302	000	110	00	1	011	1	000	40	00000	2	
130	135	0700130	25	13.14	52.6	5.75	80	.070				16	302	000	120	00	1	012	1	014	45	01210	2	
135	140	0700135	25	13.76	55.1	5.75	84	.000				16	302	000	120	00	1	011	1	014	50	01100	2	
140	145	0700140	25	16.08	64.3	5.75	96	.620				67	302	110	130	01	1	022	1	054	35	05216	2	
145	150	0700145	25	13.65	54.6	5.75	83	.270				76	302	120	135	01	1	011	1	024	30	01214	2	
150	155	0700150	25	15.96	63.9	5.75	96	.170				66	302	000	110	01	1	011	1	000	35	00000	2	
155	160	0700155	25	11.04	44.2	5.75	67	.070				66	302	000	120	01	1	011	1	014	30	01100	2	
160	165	0700160	25	16.42	65.7	5.75	100	.070				66	302	000	114	01	1	021	1	000	30	00000	2	
165	170	0700165	25	15.12	60.5	5.75	92	.100				66	302	000	110	01	1	011	1	000	20	00000	2	
170	175	0700170	25	15.26	61.0	5.75	93	.340				67	302	120	135	01	1	012	1	025	15	20210	2	
175	180	0700175	25	14.74	59.0	5.75	90	.140				66	302	110	110	01	1	011	1	000	05	00000	2	
180	185	0700180	25	15.50	62.0	5.75	95	.140				73	302	110	120	01	1	011	0	000	10	00000	2	
185	190	0700185	25	8.22	32.9	5.75	50	.100				66	302	000	211	01	1	012	0	014	10	00000	2	
190	195	0700190	25	13.58	54.3	5.75	83	.100				66	302	000	112	01	1	011	0	014	10	00000	2	
195	200	0700195	25	11.72	46.9	5.75	72	.100				62	302	000	112	01	1	011	0	050	10	00000	2	

200	205	0700200	25	12.82	51.3	5.75	78	.030	68	302	000	110	01	2	013	1	000	30	0000	2
205	210	0700205	25	11.94	47.8	5.75	73	.070	68	302	000	110	01	2	013	1	000	25	0000	2
210	215	0700210	25	15.52	62.1	5.75	95	.100	67	302	110	110	01	2	011	1	000	30	0000	2
215	220	0700215	25	15.08	60.3	5.75	92	.210	68	302	000	000	01	2	011	1	000	30	0000	2
220	225	0700220	25	15.94	63.6	5.75	97	.170	68	302	000	000	01	1	018	1	015	05	01621	2
225	230	0700225	25	14.94	59.8	5.75	91	.100	66	302	000	000	01	1	011	1	014	05	0000	2
230	235	0700230	25	13.08	52.3	5.75	80	.070	68	302	000	110	01	2	011	1	000	05	0000	2
235	240	0700235	25	11.66	46.6	5.75	71	.140	68	302	110	110	01	2	011	1	015	05	01120	2
240	245	0700240	25	16.84	67.4	5.75	103	1.710	78	302	120	130	01	2	032	1	025	15	15210	2
245	250	0700245	25	13.68	54.7	5.75	84	1.820	78	302	120	130	00	2	052	1	045	15	30210	2
250	255	0700250	25	13.04	52.2	5.75	80	2.260	76	302	120	130	01	2	012	1	015	15	10210	2
255	260	0700255	25	13.84	54.6	5.75	83	.650	78	302	130	130	00	2	042	1	035	20	10210	2
260	265	0700260	25	15.26	61.0	5.75	93	.240	73	302	130	130	00	2	022	1	015	20	05210	2
265	270	0700265	25	11.10	44.4	5.75	68	1.850	73	302	130	130	00	2	022	1	024	25	05210	2
270	275	0700270	25	14.60	58.4	5.75	89	.100	73	302	130	130	00	2	022	1	015	25	05210	2
275	280	0700275	25	13.12	52.5	5.75	80	.100	73	302	120	130	00	2	021	1	015	25	05120	2
280	285	0700280	25	15.42	61.7	5.75	94	.140	67	302	122	120	01	1	011	0	000	25	00000	2
285	290	0700285	25	14.84	59.4	5.75	91	.100	67	302	110	120	01	1	011	0	014	25	00000	2
290	295	0700290	25	15.32	61.3	5.75	94	2.950	67	302	110	130	01	1	022	0	015	20	05210	2
295	300	0700295	25	15.88	63.4	5.75	97	.240	68	302	000	110	01	1	011	0	000	15	00000	2
300	305	0700300	25	16.42	65.7	5.75	100	.070	68	302	110	110	01	1	011	0	000	10	00000	2
305	310	0700305	25	15.56	62.2	5.75	95	.000	81	302	000	000	01	1	011	0	015	15	01210	2
310	315	0700310	25	14.96	59.8	5.75	91	.000	81	302	000	000	01	2	011	1	015	15	01120	2
315	320	0700315	25	14.70	58.8	5.75	90	.100	81	302	000	130	01	1	011	0	015	10	01210	2
320	325	0700320	25	14.82	59.3	5.75	91	.070	67	302	110	130	01	1	021	0	015	15	01120	2
325	330	0700325	25	15.28	61.1	5.75	93	.100	37	302	130	130	01	1	031	0	014	25	05120	2
330	335	0700330	25	12.68	50.7	5.75	77	.100	37	302	120	130	01	1	031	0	014	20	05210	2
335	340	0700335	25	11.86	47.4	5.75	72	.100	37	302	130	135	01	1	021	0	024	20	05129	2
340	345	0700340	25	11.48	45.8	5.75	70	.070	37	302	120	135	02	1	032	0	034	15	10210	2
345	350	0700345	25	12.47	49.9	5.75	78	.270	78	302	120	130	05	1	011	0	050	15	00000	2
350	355	0700350	25	13.50	54.0	5.75	82	.100	67	302	110	120	02	1	021	0	014	15	02120	2
355	360	0700355	25	7.48	29.9	5.75	48	1.440	21	900	134	134	00	1	601	0	804	15	50199	2
360	365	0700360	25	24.05	98.2	5.75	147	3.260	12	900	430	430	00	1	501	0	600	15	85199	2
365	370	0700365	25	14.68	58.7	5.75	90	.100	27	708	411	411	00	1	011	0	014	20	01100	2
370	375	0700370	25	19.08	76.3	5.75	117	.240	27	708	231	231	00	1	051	0	050	30	80199	2
375	380	0700375	25	17.58	70.3	5.75	107	.270	27	708	431	431	00	1	051	0	404	30	80199	2
380	385	0700380	25	22.06	88.2	5.75	135	.270	27	900	431	130	00	1	501	0	604	20	80199	2
385	390	0700385	25	19.98	79.8	5.75	122	.140	27	708	411	411	01	1	031	0	044	20	01120	2
390	395	0700390	25	12.30	49.2	5.75	75	.380	27	808	110	110	01	1	021	0	014	20	05210	2
395	400	0700395	25	17.50	70.0	5.75	107	.580	27	302	231	231	01	1	021	0	404	20	03128	2
400	405	0700400	25	15.84	63.4	5.75	97	.070	67	302	122	521	02	1	011	0	014	15	05120	3
405	410	0700405	25	18.26	73.0	5.75	112	.070	16	302	112	521	01	1	011	0	014	15	02130	3
410	415	0700410	25	13.84	55.4	5.75	85	.000	67	302	127	521	00	1	011	0	017	20	07160	3
415	420	0700415	25	14.12	56.5	5.75	86	.210	82	658	721	125	00	1	011	0	014	25	05160	3
420	425	0700420	25	12.92	51.7	5.75	79	.000	82	708	711	000	01	1	011	0	014	20	01160	3
425	430	0700425	25	14.38	57.4	5.75	88	.030	62	708	112	221	00	1	011	0	034	20	02120	3
430	435	0700430	25	15.48	61.9	5.75	95	.000	62	708	710	000	01	1	011	0	024	15	01120	3
435	440	0700435	25	13.42	53.7	5.75	82	.000	61	608	710	510	01	1	011	0	019	20	01100	3
440	445	0700440	25	14.86	59.4	5.75	91	.000	61	608	710	000	00	1	021	0	079	15	02100	3
445	450	0700445	25	13.46	53.8	5.75	82	.000	16	608	710	000	01	1	011	0	025	20	02210	3
450	455	0700450	25	14.16	56.6	5.75	87	.000	17	708	721	000	01	1	011	0	204	10	01160	3
455	460	0700455	25	14.70	58.8	5.75	90	.000	12	708	710	000	00	1	011	0	024	15	01100	3
460	465	0700460	25	12.24	49.0	5.75	75	.620	28	708	710	000	00	1	011	0	014	10	01120	3
465	470	0700465	25	15.68	62.7	5.75	98	.100	28	708	117	000	00	1	011	0	014	15	01210	3
470	475	0700470	25	13.98	55.9	5.75	85	.550	28	708	117	000	01	1	011	0	017	15	00000	3
475	480	0700475	25	13.02	52.1	5.75	80	.170	62	708	710	510	01	1	011	0	014	10	01160	3
480	485	0700480	25	15.64	62.8	5.75	96	.070	16	608	710	000	00	1	011	0	039	10	01100	3
485	490	0700485	25	18.04	72.2	5.75	110	.210	16	608	000	000	00	1	011	0	154	15	01100	3
490	495	0700490	25	12.24	49.0	5.75	75	.030	16	608	000	510	00	1	011	0	104	20	01100	3
495	500	0700495	25	13.48	53.9	5.75	82	.070	28	708	711	711	00	0	000	0	154	10	00000	3
500	505	0700500	25	14.98	59.9	5.75	92	.070	28	708	720	720	00	1	011	0	054	05	01100	3
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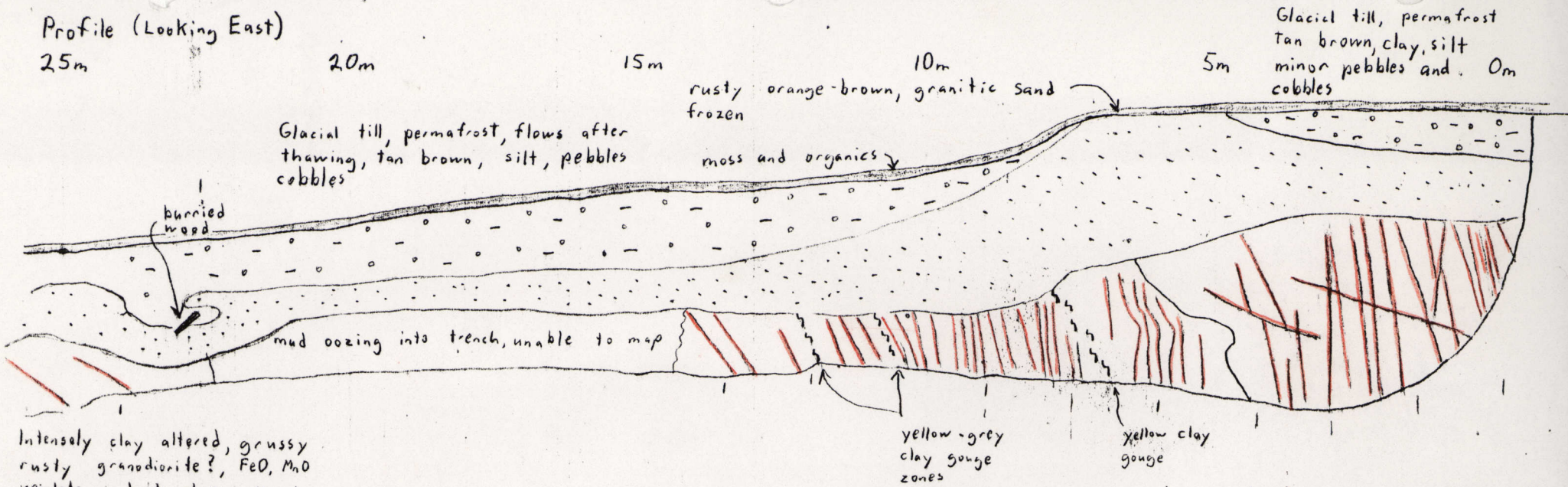
DUBLIN GULCH PROJECT																							
HOLE NO:		DGRC93071																					
TD: (meters/ft)		152.40 500		START DATE:		5-Jul-93		INTERCEPTS:		INTERVAL		THICKNESS		GRADE		DOWNHOLE SURVEY DATA:							
NORTH: (utm)		7,099,673.00		COMPLETE DATE:		6-Jul-93		FROM		TO						DEPTH(ft)		BEARING		INCLIN			
EAST: (utm)		458,886.00		HOLE DIAM:		6.00"/5.75"																	
BEAR:		180		GEOLOGIST:		DBF/BK																	
INCLIN:		-48		ASSAY FILE NO:																			
ELEV: (m)		857.00		LAST REV:		13-Jul-93																	
SITE:				DATA BY:		rcm																	
				COMMENTS:																			
INTERVAL		RECOVERY						ASSAY RESULTS				GEOLOGIC DESCRIPTION										COMMENTS	
DEPTH	SAMPLE	SPLIT	SAMP	TOTAL	DIAM	%	AU 1	AU 2	COLOR	LITH	ALT	CARB	OX	SULF	FE0X	VNS	FINES	ACC	H2O				
FROM	TO	NUMBER	(%)	WT(kg)	WT(kg)	(in)	REC	PPM	PPM									MIN					
0	5		-9	-9	100.0	6.00	140	-9	-9	000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9			
5	10		-9	-9	100.0	6.00	140	-9	-9	000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9			
10	15		-9	-9	100.0	6.00	140	-9	-9	000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9			
15	20		-9	-9	100.0	6.00	140	-9	-9	000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9			
20	25		-9	-9	100.0	6.00	140	-9	-9	000	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9			
25	30		-9	-9	100.0	6.00	140	-9	31	809	000	000	00	03	011	3	014	20	-9	-9			
30	35	0710030	25	-9	-9	5.75	-9	-9	31	809	000	000	00	04	000	3	014	25	01100	2			
35	40	0710035	25	-9	-9	5.75	-9	-9	31	809	000	000	00	03	011	2	024	60	00000	0			
40	45	0710040	25	18.58	68.3	5.75	101	000	31	809	809	000	00	04	000	2	024	65	01100	0			
45	50	0710045	25	-9	-9	5.75	-9	-9	31	809	000	000	00	04	000	2	014	70	00000	0			
50	55	0710050	25	-9	-9	5.75	-9	-9	31	809	000	000	00	04	000	3	029	20	00000	0			
55	60	0710055	25	-9	-9	5.75	-9	-9	32	708	000	000	00	04	000	3	039	15	00000	0			
60	65	0710060	25	-9	-9	5.75	-9	-9	32	708	000	000	00	04	000	3	019	10	00000	0			
65	70	0710065	25	17.04	68.2	5.75	104	000	36	809	000	000	00	04	000	2	014	50	00000	0			
70	75	0710070	25	-9	-9	5.75	-9	-9	36	809	000	000	00	04	000	2	024	60	00000	0			
75	80	0710075	25	-9	-9	5.75	-9	-9	36	809	000	000	00	04	000	2	014	45	00000	0			
80	85	0710080	25	12.98	51.8	5.75	79	000	36	808	000	000	00	04	000	2	029	25	00000	0			
85	90	0710085	25	-9	-9	5.75	-9	-9	36	808	210	000	00	04	000	2	019	35	00000	0			
90	95	0710090	25	-9	-9	5.75	-9	-9	36	808	000	000	00	04	000	2	019	10	00000	0			
95	100	0710095	25	15.68	62.6	5.75	98	000	63	808	000	000	00	04	000	2	019	15	00000	0			
100	105	0710100	25	-9	-9	5.75	-9	-9	63	808	210	000	00	04	000	2	014	15	00000	0			
105	110	0710105	25	15.67	62.7	5.75	98	000	63	808	000	000	00	04	000	2	024	05	00000	0			
110	115	0710110	25	-9	-9	5.75	-9	-9	63	808	710	710	00	04	000	2	034	15	00000	0			
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120	125	0710120	25	10.42	41.7	5.75	84	000	63	808	000	000	00	04	000	2	014	30	00000	0			
125	130	0710125	25	-9	-9	5.75	-9	-9	63	808	000	000	00	04	000	2	034	15	00000	0			
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135	140	0710135	25	12.38	49.5	5.75	78	000	36	708	000	000	00	04	000	2	014	10	00000	0			
140	145	0710140	25	-9	-9	5.75	-9	-9	63	808	000	000	00	04	000	2	014	15	00000	0			
145	150	0710145	25	-9	-9	5.75	-9	-9	36	708	000	000	00	04	000	3	000	10	00000	0			
150	155	0710150	25	15.14	60.8	5.75	93	000	63	808	000	000	00	04	000	2	034	10	00000	0			
155	160	0710155	25	-9	-9	5.75	-9	-9	63	808	710	710	00	04	000	2	014	20	00000	0			
160	165	0710160	25	11.72	48.9	5.75	72	000	63	808	000	000	00	04	000	3	014	15	00000	0			
165	170	0710165	25	-9	-9	5.75	-9	-9	63	808	000	000	00	04	000	2	014	30	00000	0			
170	175	0710170	25	-9	-9	5.75	-9	-9	18	808	000	000	00	04	000	1	000	20	00000	0			
175	180	0710175	25	13.88	55.5	5.75	85	000	32	708	000	000	00	03	012	1	014	15	00000	0			
180	185	0710180	25	-9	-9	5.75	-9	-9	18	808	000	000	00	04	000	2	014	10	00000	0			
185	190	0710185	25	-9	-9	5.75	-9	-9	18	808	110	110	00	03	011	1	019	30	00000	1			
190	195	0710190	25	15.22	60.9	5.75	93	000	18	808	000	000	00	02	011	1	024	10	01100	0			
195	200	0710195	25	-9	-9	5.75	-9	-9	18	808	712	712	00	00	000	0	039	20	00000	0			

200	205	0710200	25	-9	-9	5.75	-9	-9	16	808	712	712	00	01	012	0	059	20	01200	2
205	210	0710205	25	-9	-9	5.75	-9	-9	61	808	000	910	00	01	011	0	024	10	01210	2
210	215	0710210	25	-9	-9	5.75	-9	-9	61	808	000	000	01	01	011	0	014	10	00000	2
215	220	0710215	25	17.58	70.3	5.75	107	.000	61	808	710	000	00	02	011	1	024	05	01100	2
220	225	0710220	25	-9	-9	5.75	-9	-9	61	808	000	229	00	02	011	1	014	05	01100	2
225	230	0710225	25	-9	-9	5.75	-9	-9	67	808	000	910	00	01	011	0	014	05	01100	2
230	235	0710230	25	17.12	68.5	5.75	105	.000	37	808	000	132	00	01	011	0	024	05	01100	2
235	240	0710235	25	-9	-9	5.75	-9	-9	37	808	000	132	00	01	011	0	154	05	01120	2
240	245	0710240	25	-9	-9	5.75	-9	-9	37	808	000	132	00	01	011	0	014	05	01120	2
245	250	0710245	25	16.24	65.0	5.75	99	.002	37	708	110	125	01	01	011	0	014	05	01100	2
250	255	0710250	25	-9	-9	5.75	-9	-9	72	708	130	130	01	01	011	0	024	05	01120	2
255	260	0710255	25	13.44	53.8	5.75	82	.000	37	808	120	130	00	01	011	0	204	05	01120	2
260	265	0710260	25	-9	-9	5.75	-9	-9	37	808	000	115	00	01	011	0	024	05	01100	2
265	270	0710265	25	-9	-9	5.75	-9	-9	37	808	000	110	00	01	011	0	014	05	01100	2
270	275	0710270	25	15.68	62.7	5.75	96	.000	31	808	000	000	00	01	011	0	014	05	01120	2
275	280	0710275	25	-9	-9	5.75	-9	-9	31	808	000	211	00	01	011	0	019	05	00000	2
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285	290	0710285	25	16.68	66.7	5.75	102	.000	31	808	000	110	01	01	011	0	000	05	00000	2
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295	300	0710295	25	-9	-9	5.75	-9	-9	31	808	000	000	01	01	011	0	000	05	00000	2
300	305	0710300	25	16.14	64.6	5.75	99	.000	31	808	000	000	01	01	011	0	000	05	00000	2
305	310	0710305	25	-9	-9	5.75	-9	-9	31	808	000	910	01	01	011	0	019	05	00000	2
310	315	0710310	25	16.74	67.0	5.75	102	.000	31	808	000	110	01	01	011	0	014	05	00000	3
315	320	0710315	25	-9	-9	5.75	-9	-9	37	808	000	120	01	01	011	0	014	05	01238	3
320	325	0710320	25	-9	-9	5.75	-9	-9	31	808	000	110	01	01	012	0	014	05	01210	3
325	330	0710325	25	17.58	70.3	5.75	107	.000	31	808	000	000	01	02	011	1	014	05	01210	3
330	335	0710330	25	-9	-9	5.75	-9	-9	31	808	000	110	01	01	012	0	014	05	01210	3
335	340	0710335	25	-9	-9	5.75	-9	-9	31	808	000	110	01	01	012	0	014	05	01210	3
340	345	0710340	25	19.72	78.9	5.75	120	.000	31	808	000	000	02	01	011	0	014	05	01100	3
345	350	0710345	25	-9	-9	5.75	-9	-9	31	808	000	000	01	01	011	0	014	05	00000	3
350	355	0710350	25	-9	-9	5.75	-9	-9	67	808	110	120	01	01	011	0	054	05	01100	3
355	360	0710355	25	-9	-9	5.75	-9	-9	67	808	110	120	01	01	011	0	024	05	01100	3
360	365	0710360	25	-9	-9	5.75	-9	-9	37	808	000	110	00	01	011	0	014	05	01138	3
365	370	0710365	25	18.64	74.6	5.75	114	.000	37	808	110	120	01	01	011	0	014	05	01100	3
370	375	0710370	25	-9	-9	5.75	-9	-9	73	808	120	120	01	01	011	0	014	05	01120	3
375	380	0710375	25	-9	-9	5.75	-9	-9	37	808	110	120	01	01	011	0	014	10	01120	3
380	385	0710380	25	15.3	61.2	5.75	93	.000	73	808	110	120	01	01	011	0	024	10	01100	3
385	390	0710385	25	-9	-9	5.75	-9	-9	73	808	120	130	00	01	011	0	014	10	01120	3
390	395	0710390	25	-9	-9	5.75	-9	-9	73	808	120	120	00	01	011	0	014	10	01100	3
395	400	0710395	25	15.74	63.0	5.75	96	.000	73	808	120	120	00	01	011	0	014	10	01100	3
400	405	0710400	25	-9	-9	5.75	-9	-9	73	808	110	120	00	01	011	0	014	10	01100	3
405	410	0710405	25	19	76.0	5.75	116	.000	37	808	000	110	00	01	011	0	000	10	00000	3
410	415	0710410	25	-9	-9	5.75	-9	-9	37	808	110	110	00	01	011	0	014	10	01100	3
415	420	0710415	25	-9	-9	5.75	-9	-9	27	709	110	110	00	01	011	0	054	10	01219	3
420	425	0710420	25	15.1	60.4	5.75	92	.000	37	808	000	000	00	01	011	0	014	05	01100	3
425	430	0710425	25	-9	-9	5.75	-9	-9	37	808	000	000	00	01	011	0	014	05	00000	3
430	435	0710430	25	-9	-9	5.75	-9	-9	78	709	110	110	00	01	021	0	024	10	05129	3
435	440	0710435	25	18.68	66.6	5.75	102	.000	78	709	000	000	00	01	031	0	014	05	08120	3
440	445	0710440	25	-9	-9	5.75	-9	-9	72	709	000	000	00	01	011	0	014	10	01100	3
445	450	0710445	25	-9	-9	5.75	-9	-9	67	709	000	000	00	01	011	0	014	05	00000	3
450	455	0710450	25	14.9	59.6	5.75	91	.000	67	808	710	000	00	01	011	0	019	05	01100	3
455	460	0710455	25	-9	-9	5.75	-9	-9	62	808	712	000	00	01	011	0	019	10	01120	3
460	465	0710460	25	15.44	61.8	5.75	94	.000	18	808	712	000	00	01	011	0	019	10	01120	3
465	470	0710465	25	-9	-9	5.75	-9	-9	16	808	721	000	00	01	013	0	019	10	00000	3
470	475	0710470	25	-9	-9	5.75	-9	-9	61	808	722	000	00	01	011	0	019	15	01132	3
475	480	0710475	25	21.98	67.8	5.75	134	.000	61	808	712	000	00	01	012	0	029	10	01210	3
480	485	0710480	25	-9	-9	5.75	-9	-9	28	709	000	510	02	00	000	0	024	05	00000	3
485	490	0710485	25	-9	-9	5.75	-9	-9	28	709	210	000	02	00	000	0	015	05	00000	3
490	495	0710490	25	13.52	54.1	5.75	83	.000	28	709	710	000	01	01	012	0	024	10	01200	3
495	500	0710495	25	-9	-9	5.75	-9	-9	28	709	712	000	00	00	000	0	014	05	00000	3

APPENDIX III

TRENCH MAPS (SCALE 1:100) TRENCH 459075E

Profile (Looking East)



Glacial till, permafrost
Tan brown, clay, silt
minor pebbles and 0m
cobbles

rusty orange-brown, granitic sand

Glacial till, permafrost, flows after
thawing, tan brown, silt, pebbles
cobbles

moss and organics

buried
wood

mud oozing into trench, unable to map

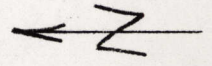
yellow-grey
clay gouge
zones

yellow clay
gouge

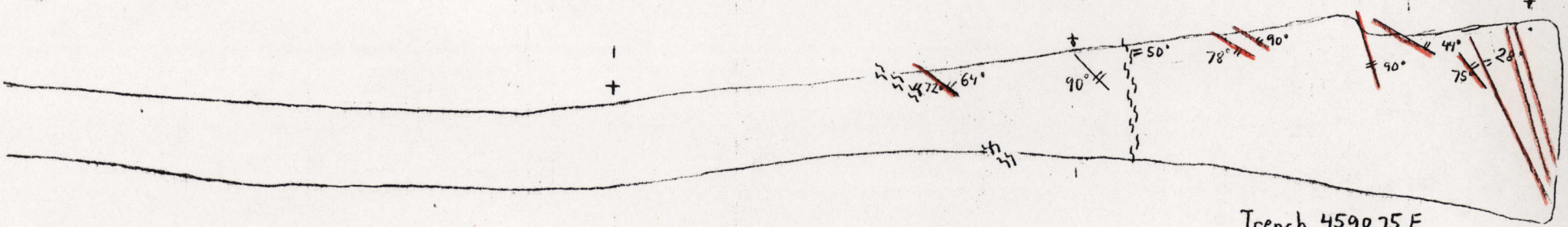
Intensely clay altered, grussy
rusty granodiorite?, FeO, MnO
veinlets, moderate phyllic alteration.

Intensely fractured and rusty
fine grained intrusive. Heavy
limonite coating on sheeted
fractures. Pervasive argillic
and phyllic selvage alteration
Minor disseminated aspy. 1-2mm
milky white-grey quartz veins
parallel to limonitic fractures.

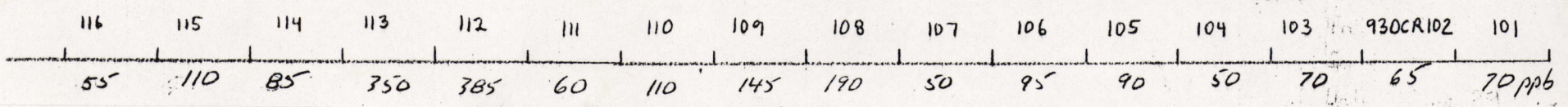
Intensely clay altered,
grussy, rusty, medium grained
granodiorite. Moderate FeO
MnO quartz veinlets (0.5-3.0cm)
with minor aspy, scrodolite.



Plan



Trench 459075 E
Cyrill Orssich
June 29, 93
Scale 1:100



50

45

40

35

30

25

Profile (Looking East)

Clay altered, rusty, fractured and grussy medium grained granodiorite. Intensely veined, veins consisting of 0.5-5.0 cm dark red FeO, MnO, aspy, qz veinlets. Moderate 5cm phyllic altered selvages.

tan brown, clay, silt, pebbles, cobbles boulders, unsorted glacial till, permafrost, flows after thawing.

rusty orange brown frozen, sandy granitic soil

moss and organics

5cm qz, aspy vn

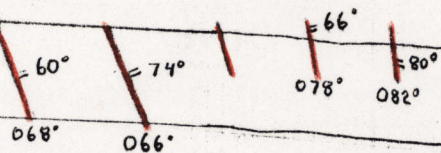
3cm qz, aspy lim. vn

unmapped granodiorite

large rounded boulders above bedrock

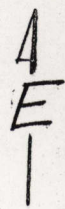
Clay altered, grussy, medium grained granodiorite. 4-5 FeO, MnO veinlets per metre. Minor quartz veinlets. Phyllic altered selvages.

Plan



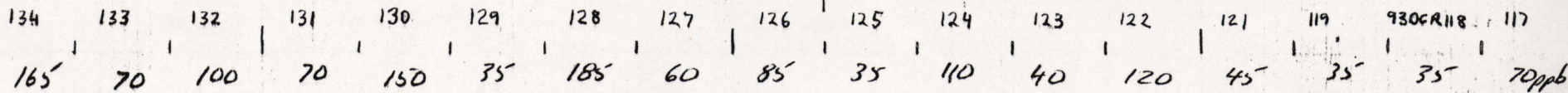
60°

Trench 459075E
Cyrill Orssich
June 29, 30, 93
Scale 1:100



← June 30, 93

← June 29, 93



75

70

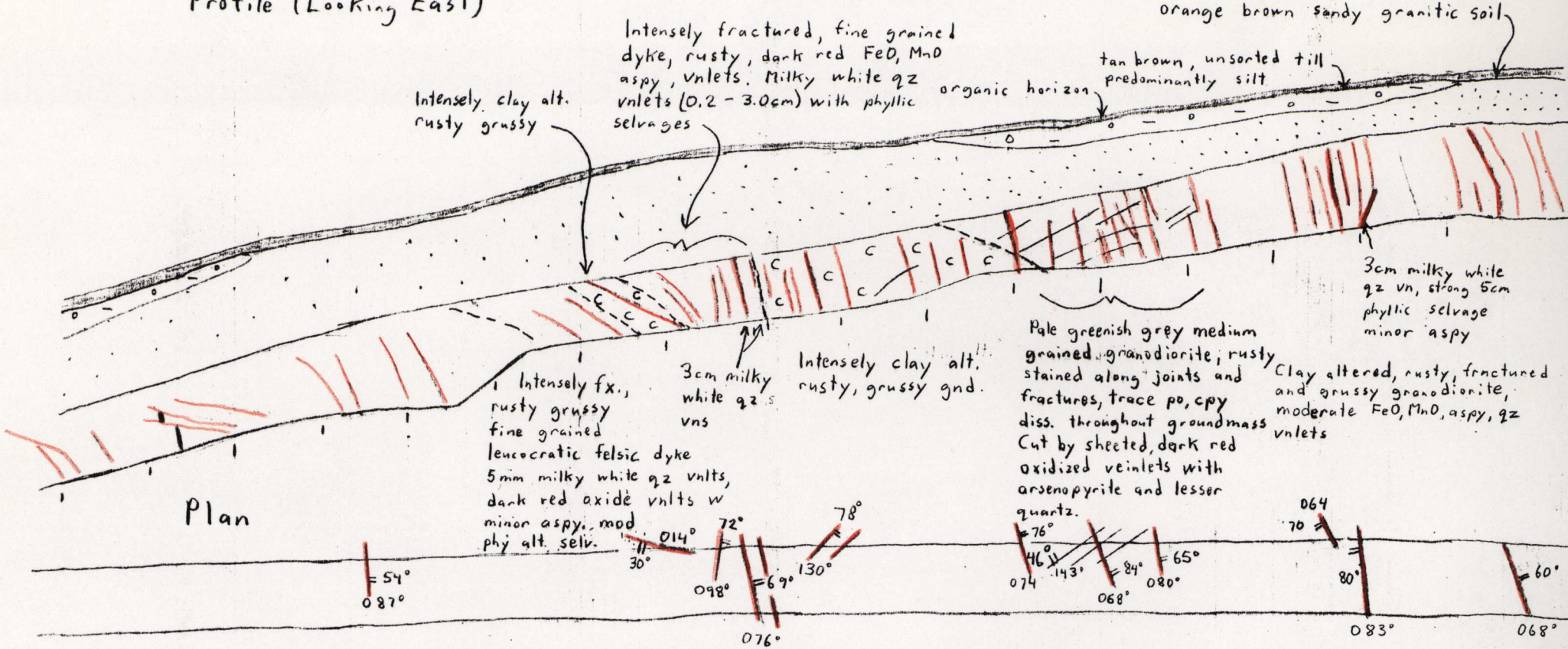
65

60

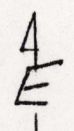
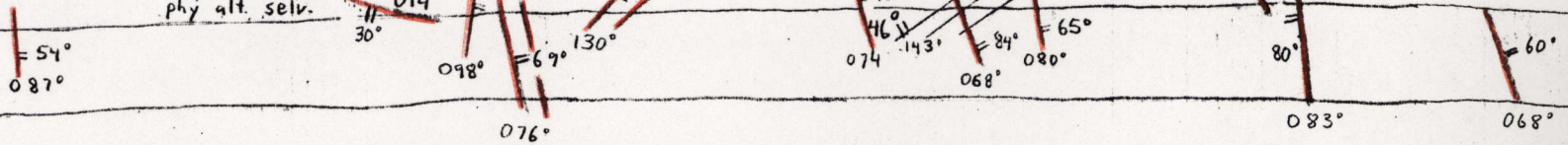
55

50

Profile (Looking East)



Plan



Trench 4590 75E
 Cyrill Orsich
 July 1, 93
 Scale 1:100

152	151	150	149	148	147	146	145	144	143	142	141	139	138	137	930	R136	135
95	155	105	115	95	830	170	250	110	55	75	95	115	50	225	410		55ppb

100

95

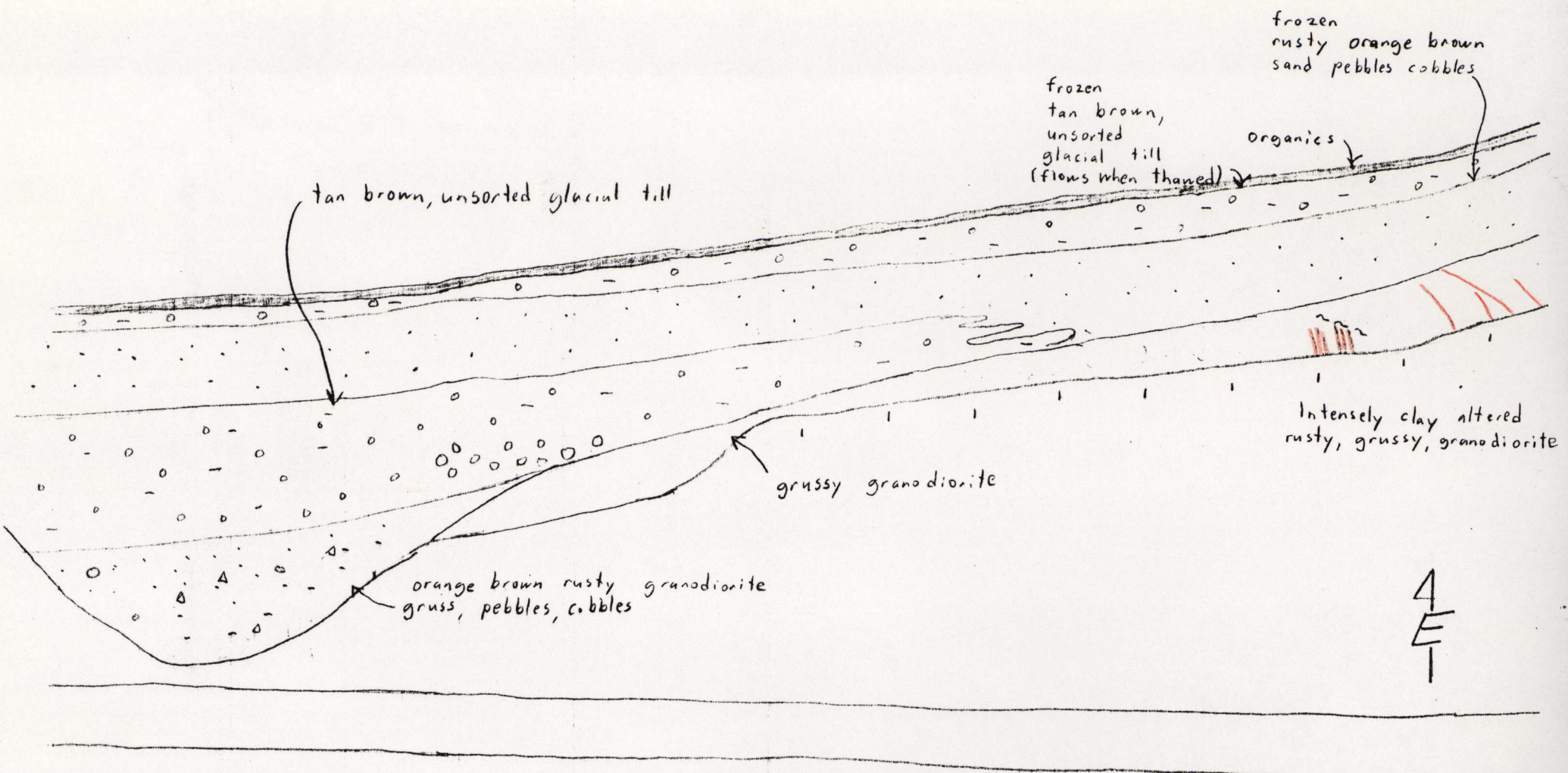
90

85

80

75

Profile (Looking East)



Trench 459075E
 Cyrill Orsich
 July 2, 93
 Scale, 1:100

166	165	164	163	162	161	159	158	157	156	155	154	93DCR153
295	290	390	450	315	310	490	465	260	180	100	80	100

125

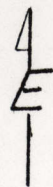
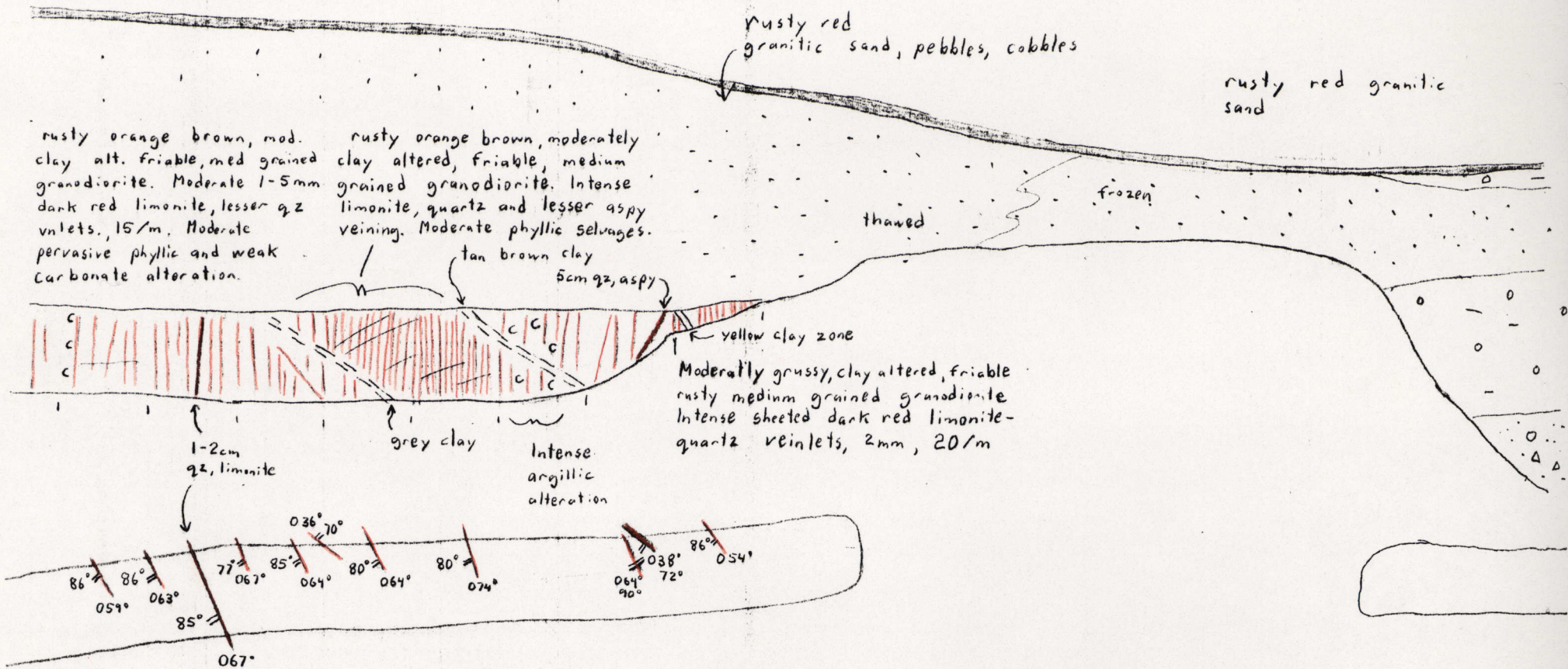
120

115

110

105

100



Trench 459075E
 Cyrill Orsich
 July 2, 93
 Scale 1:100

174 173 172 171 170 169 168 930CR167
 160 80 140 205 215 200 1290 400ppb

150

145

140

135

130

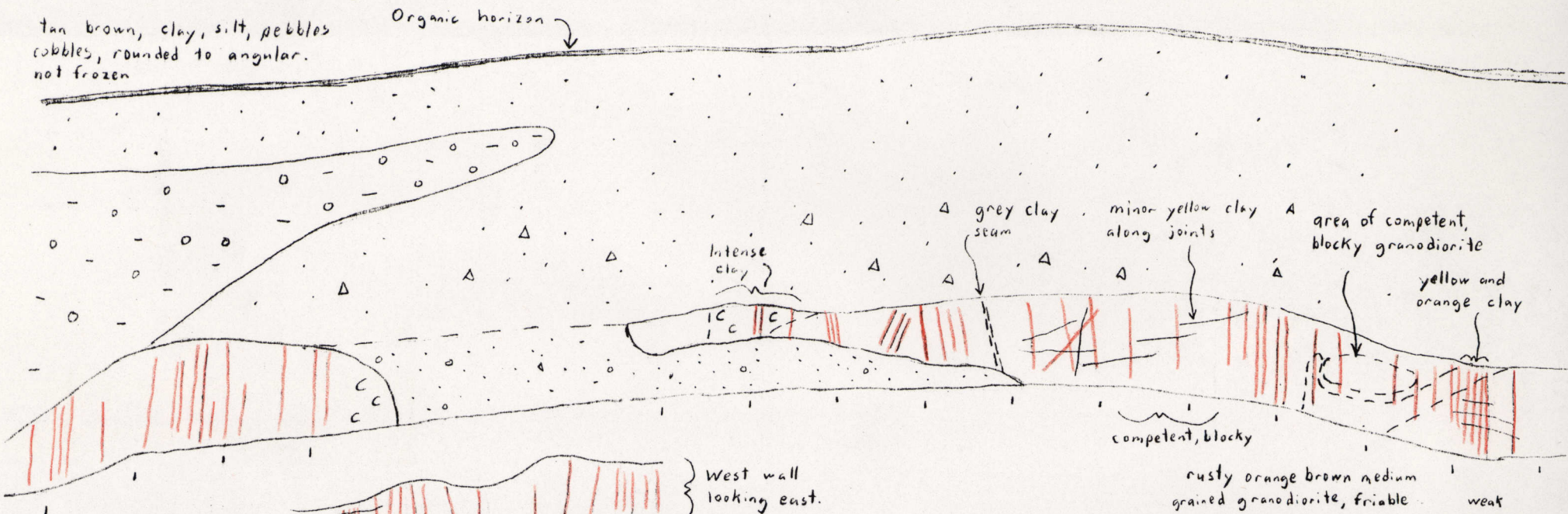
125

Profile (Looking East)

orange brown granitic sand, pebbles
cobble, grades downward into decomposed
bedrock, not frozen

tan brown, clay, silt, pebbles
cobble, rounded to angular.
not frozen

Organic horizon

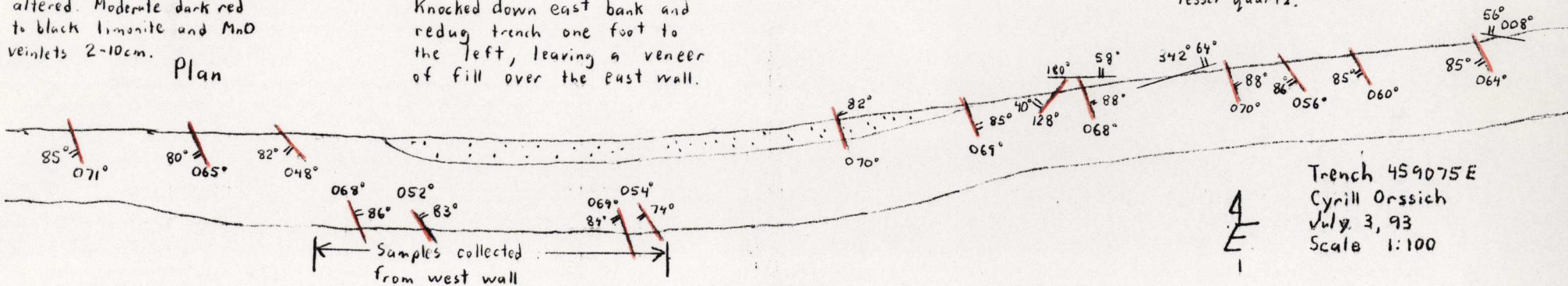


Rusty orange brown, medium
grained friable granodiorite.
Moderate to intensely clay
altered. Moderate dark red
to black limonite and MnO
veinlets 2-10cm.

Knocked down east bank and
redug trench one foot to
the left, leaving a veneer
of fill over the east wall.

rusty orange brown medium
grained granodiorite, friable
moderate pervasive phyllic,
alth., weak clay altn. mod.
dark red limonite veinlets, 2-10mm
lesser quartz.

Plan



Trench 459075E
Cyrill Orssich
July 3, 93
Scale 1:100

192	191	190	189	188	187	186	185	184	183	182	181	179	178	930CR177	176	175
170	140	170	140	170	170	240	100	240	140	70	140	80	125	80	110	195 ppb

175

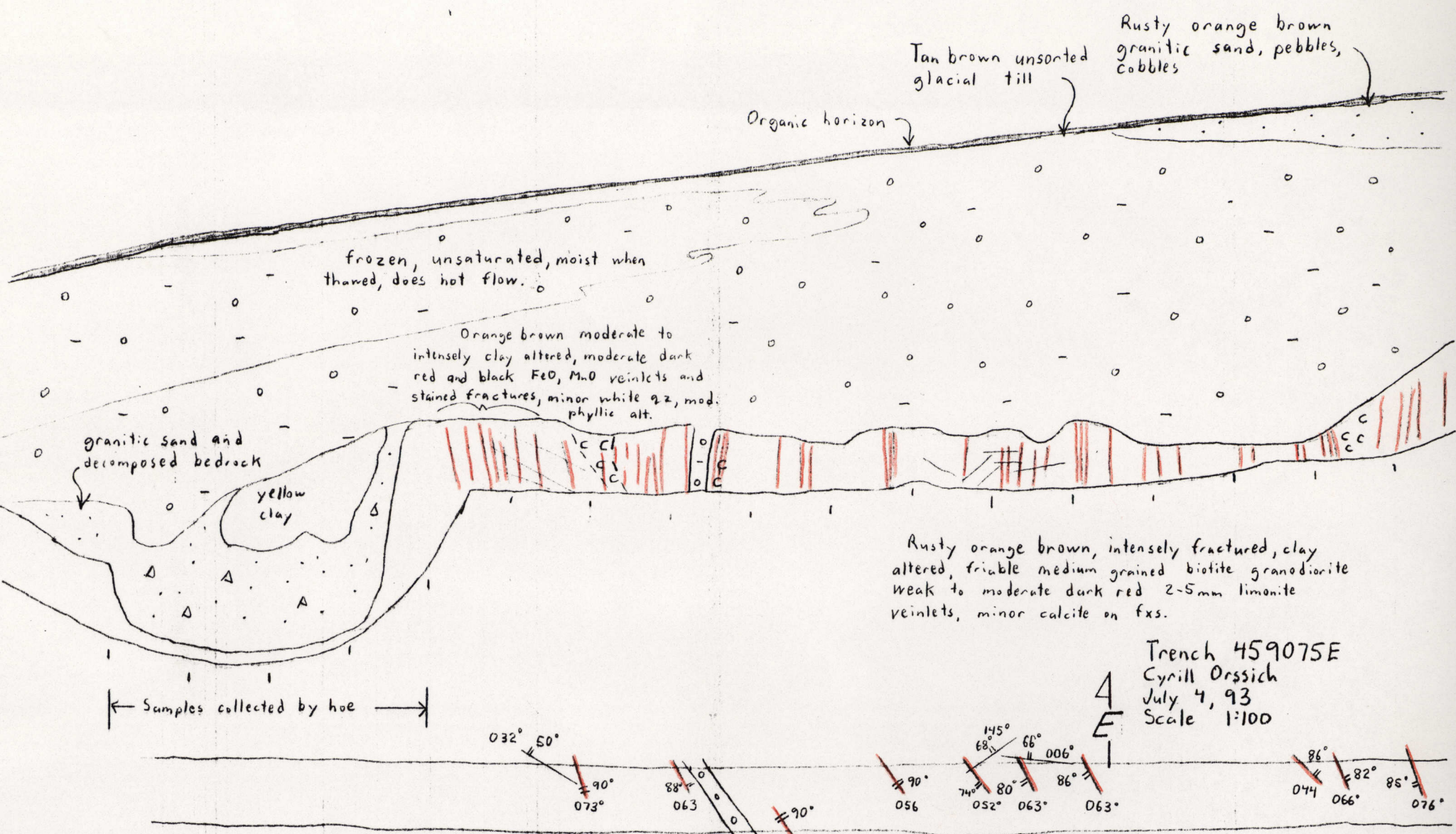
170

165

160

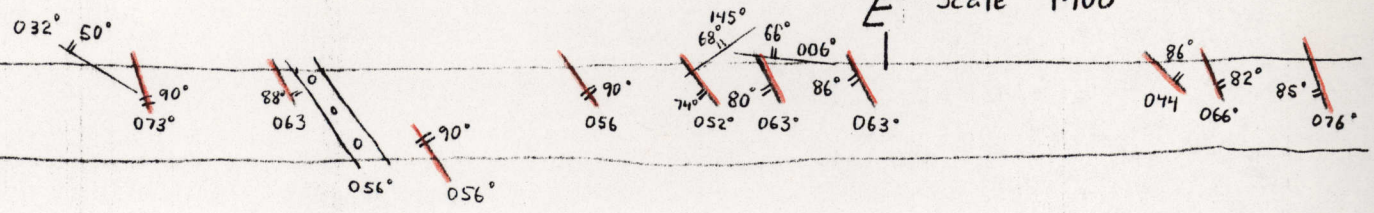
155

150



Trench 459075E
 Cyrill Orsich
 July 4, 93
 Scale 1:100

← Samples collected by hoe →



← June 3, 93

210	209	208	207	206	205	204	203	202	201	199	198	197	196	195	930CR194	193
140	310	240	210	410	340	310	310	380	550	340	210	70	?	?	?	?

200

195

190

185

180

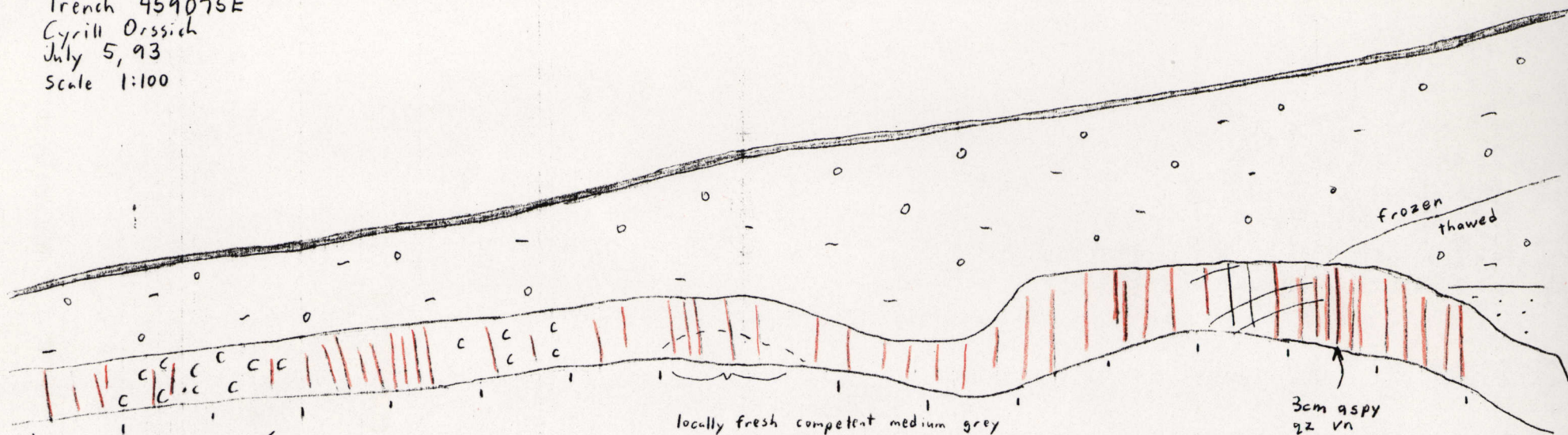
175

Standards

93DUR180	- Au193	.34 ppm
200	- Au193	.34
220	- Au158	.292
240	- Au158	.292
260	- Au195	2.40

Profile (Looking East)

Trench 459075E
 Cyrill Orssich
 July 5, 93
 Scale 1:100



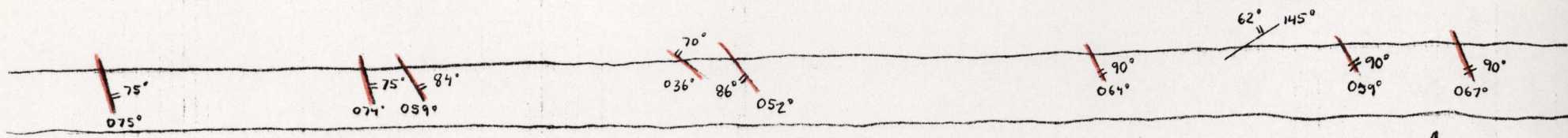
moderate to intense clay alteration

locally fresh competent medium grey granodiorite, aspy. to cpy on vertical joints with phyllic altered margins

3cm aspy qz vn

Rusty orange brown moderately clay altered granodiorite with moderate dark red limonite and black MnO veinlets, 2-10mm, minor aspy and qz. Moderate 3cm phyllic selvages. Locally competent.

Plan



227	226	225	224	223	222	221	219	218	217	216	215	214	213	212	93DUR211	210
210	140	140	170	240	170	70	70	30	30	70	140	100	100	210	140	140 ppb

225

220

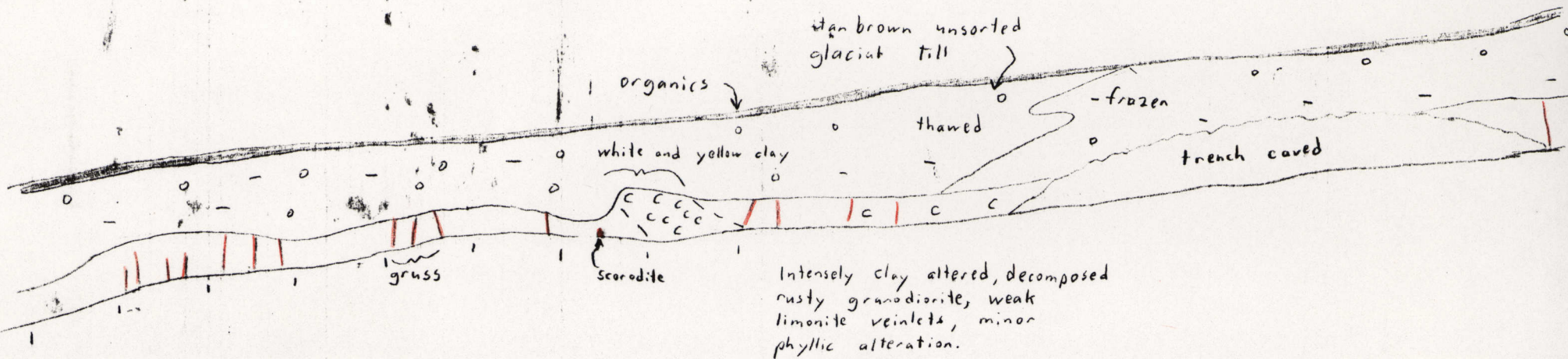
215

210

205

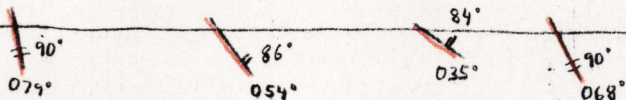
200

Profile (Looking East)



Trench 459075E
 Cyrill Orsich
 July 4, 93
 Scale 1:100

Plan



Trench 459075E

245	244	243	242	241	239	238	237	236	235	234	233	232	231	930CR230	930CR229	228
270	310	210	310	240	340	720	620	310	240	240	410	340	270	300	210	240 ppb

250

245

240

235

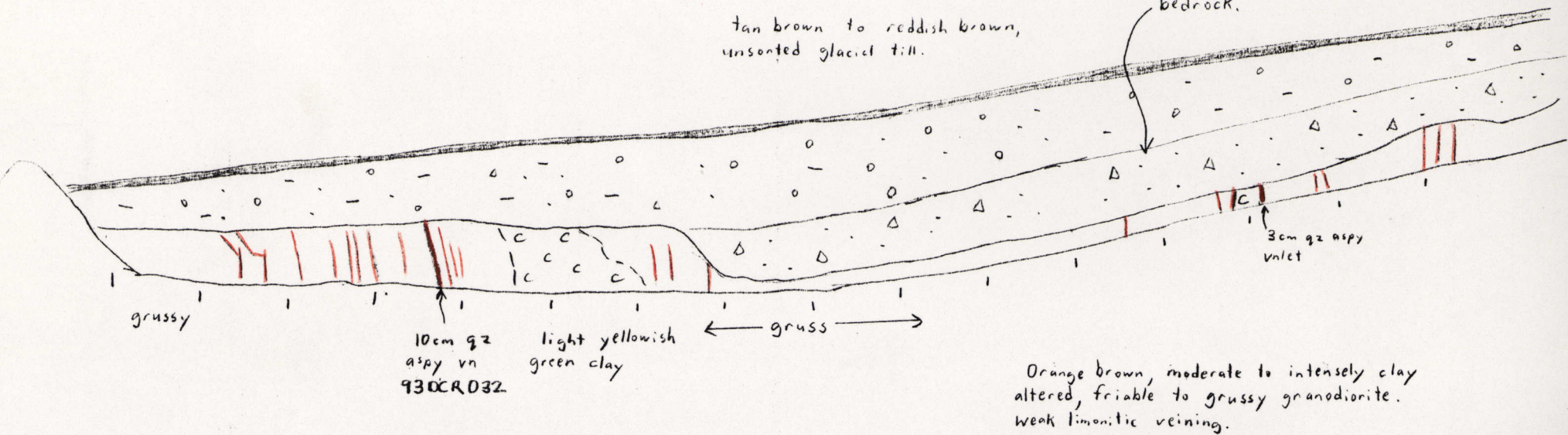
230

225

Profile (Looking East)

tan brown to reddish brown, unsorted glacial till.

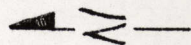
orange brown, sandy, decomposed bedrock.



Plan



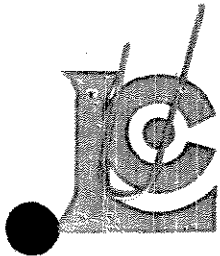
Trench 459075E
 Cyrill Orssich
 July 5, 93
 Scale 1:100



262 | 261 | 259 | 258 | 257 | 256 | 255 | 254 | 253 | 252 | 251 | 250 | 249 | 248 | 93OCR247 | 246
 310 | 210 | 70 | 510 | 790 | 1230 | 310 | 270 | 380 | 70 | 140 | 100 | 450 | 310 | 210 | 240 ppb

APPENDIX IV

ASSAY METHODS AND CERTIFICATES OF ANALYSIS



Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

212 Brooksbank Ave
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221

Telex: 04-352597

Fax: (604) 984-0218

May 19, 1993

Mr. Tony Hitchins
IVANHOE GOLDFIELDS LTD.
1900 Marine Building
355 Burrard Street
Vancouver, B.C.
V6C 2G8

Dear Mr. Hitchins:

Re: Quotation for Assay Services #BLT-93444V

As per your letter dated May 13, 1993, Chemex Labs is pleased to submit the enclosed proposal for analytical services for your Dublin Gulch project.

If you have any further questions with regard to procedures or prices, please call me, or Donna Baylis, at (604)984-0221 or fax (604)984-0218.

Should you accept our bid, please include our Quotation number BLT-93444V on all shipment notices.

Yours truly,

Lloyd Twaites
Director - Marketing

BLT:gjs
Enclosure



Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Phone: (604) 984-0221
Telex: 04-352597
Fax: (604) 984-0218

PROPOSAL FOR CONTRACT LABORATORY SERVICES

Prepared by CHEMEX LABS

for

IVANHOE GOLDFIELDS LTD.
Attention: Mr. Tony Hitchins
1900 Marine Building
355 Burrard Street
Vancouver, BC
V6C 2G8

May 19, 1993
BLT-93444V

1.0 INTRODUCTION

Chemex Labs is pleased to provide you with a quotation for the analysis of approximately 3500-6000 drill samples from the Dublin Gulch Project in the Yukon Territory.

2.0 ANALYTICAL METHODOLOGY

Chemex Labs specializes in providing contract laboratory services to major mining and exploration companies throughout North America. We will be able to meet your requirement for reliable turnaround and high quality analytical results by utilizing the talents of our technical staff and extensive analytical facilities at our Vancouver laboratory.

2.1 Sample Preparation

The Dublin Gulch RVC and core samples weighing approximately 10-22kg each will be dried, then pre-weighed to the nearest 10 grams. For core samples, selected sections will be analyzed for specific gravity before crushing. The samples will then be crushed to better than 10 mesh, and riffle split to approximately 5kg. This split will be pulverized in a disc pulverizer to -80 mesh. A 250 gram split of the -80 mesh material will then be ring pulverized to 90 percent -150 mesh using a puck and ring pulverizer which will be cleaned between samples. The reject material will be bagged and stored inside our warehouse.

Samples assaying >2.0 ppm Au (0.058 oz/t) will be prepared as metallics assays starting from the -80 mesh fraction. After grinding the 4.5kg split to 100 percent -80 to 100 mesh in a Bico disc pulverizer, the pulverizer discharge will be screened at 150 mesh. The -150 mesh fraction will be rolled to homogenize.

Pulps and rejects will be retained at no cost for a period of one year. At that time we will contact you regarding return of the samples, costs and arrangements for long-term storage.

2.2 Assay Procedures

For gold we recommend a 1 assay ton (29.166 gram) fire assay fusion with an atomic absorption analysis to a detection limit of 0.001 oz/t.

Metallic assays on samples >2ppm will include the weights of each fraction, total fusion of the +150 mesh fraction (Au reported in mg), duplicate 30 gram fire assays of the -150 mesh fraction and a "total" gold value calculated from the weights, +150 assay and the average of the duplicate -150 mesh fraction gold assays.

3.0 TURNAROUND STATEMENT

For sample volumes of less than 1000 per week, we would be able to provide you with a seven-day turnaround from the time the samples are received in our Vancouver laboratory.

4.0 QUALITY CONTROL PROCEDURES

The Quality Assurance program at Chemex is extensive and can be divided into three main components:

- (i) quality control procedures for sample preparation
- (ii) quality control procedures for sample analysis
- (iii) quality assessment; data review and statistical analysis

Quality control procedures for sample preparation have been derived for two purposes, first to ensure that the prepared material is representative and meets fineness specifications and, secondly, to ensure that cross contamination between samples does not occur.

Classification of samples occurs immediately when samples enter the laboratory. Trained personnel will sort trace, ore grade and concentrate materials and route them through the sample preparation area via separate batch streams. A list of workorders is maintained at each crushing, sieving and grinding station so that the order of processing all samples will be known for investigative purposes. Equipment is colour coded and numbered so that, for example, equipment used to prepare concentrates is never used for exploration samples. Waste rock is used to clean out crushers between workorders and after anomalous samples. All grinding equipment can impart specific trace elements into a sample so Chemex offers a variety of grinding media - chrome steel, zirconia rings, tungsten carbide rings, ceramic ball mills - so as to avoid contamination of a critical element.

Quality control procedures for sample analysis include the analysis of blanks, standards and duplicates. Fully 10% of all samples analyzed are QC samples. On a standard worksheet of 40 real samples, there are four QC samples analyzed - 2 standards, 1 duplicate and 1 blank. Most standards in use at Chemex are secondary reference materials prepared in bulk and cross-calibrated with primary reference materials from internationally recognized sources such as the USGS, CANMET, NBS and the South African Bureau of Standards. In addition to the routine QC samples, check analyses are frequently performed on anomalous samples to confirm the original analyses.

Wherever analytical data are generated using computer-controlled instrumentation, that data is automatically transferred to our mainframe computer ensuring that no data transcription errors occur. Where manual data entry is required, the data is first entered by one data entry operator and then confirmed by a second operator. When a manager signs a Certificate of Analysis, any inter-element correlations that exist will be examined to ensure that no order problems have occurred during different analytical batch streams. For clients requesting results by FAX, Chemex offers autoFAXing with direct downloading from our mainframe computer, thus providing a 100% guarantee that FAXing errors will not occur.

All QC data are automatically captured, sorted and retained in the Chemex database. Standards for each analytical code can be plotted in a number of different ways; for example, in a control chart (i.e. the standard value is plotted as a function of time); or in a histogram (i.e. the number of reported measurements is plotted as a function of concentration). Duplicates can be plotted in an X-Y fashion to visually assess the degree of correlation of the precision as a function of concentration. Additional statistical requirements can easily be handled by Chemex staff. Complete QC reports can be generated for any project, for a fee.

A full-time QC technician monitors sample preparation performance by sampling and testing samples prepared at all Chemex branch offices. The technician also monitors analytical performance by tracking control charts and preparing reference materials. This

process provides a second, independent check on data quality over and above that routinely provided by departmental managers.

At Chemex all senior technical managers participate in monthly meetings held to enhance quality assurance throughout the company. This cooperative effort is a useful forum for addressing technical problems, exchanging information and ensuring interdepartmental standardization. This key group also provides overall direction to the quality assurance program by establishing goals and objectives, setting priorities and proposing research studies. In this way the quality assurance program remains dynamic and innovative, thus providing all clients with a considerable degree of confidence in their data.

Results questioned and found to be in error will be repeated at our cost. Should they fall within an acceptable analytical range, the cost will be charged to Ivanhoe Goldfields Ltd.

5.0 DISTRIBUTION AND RETRIEVAL OF ANALYTICAL RESULTS

Chemex Labs will provide results on standard assay certificates with two hard copies to Joe Kajszo in your Vancouver office.

Our GEOTRIEVE computer system and ASCII disk format will also be available for no additional charge. Faxed copies will be sent to the Mayo office as available.

6.0 PRICING

Chemex Labs is pleased to offer **IVANHOE GOLDFIELDS LTD.** the following package prices based on approximately 3,500-11,000 core and RVC samples. **IVANHOE** will also be eligible for a **FIFTEEN PERCENT** corporate discount for all additional analytical procedures in our 1993 Price Schedule. This will include check assaying. The terms are net 30 days.

IVANHOE GOLDFIELDS LTD. PRICE SCHEDULE
 ASSAY SAMPLES

Chemex Code	Description	0-3,500 Samples Price Per Sample	3,500-11,000 Samples Price Per Sample
273/449	Predry, weigh total sample, crush to 10 mesh, split (10-15kg assay sample)	\$5.21	\$4.52
270/449	Predry, weigh total sample, crush to 10 mesh, split (15-25kg assay sample)	\$8.71	\$7.82
277	Pulverize (using a disc pulverizer) 5kg 10 mesh material to -80 mesh and split to 250 grams	\$4.46	\$3.87
208	Pulverize to better than 90 percent -150 mesh (ring pulverizer)	\$1.58	\$1.37
444	Specific gravity on core samples	\$6.00	\$5.20
998	Gold - 1 assay ton FA-atomic absorption finish to 0.001 oz/t	\$7.88	\$6.83
GOLD - METALLICS FIRE ASSAY PROCEDURE			
274	Pulverize and screen at 150 mesh (5kg sample)	\$15.68	\$13.59
G180	Gold fire assay - gravimetric finish plus weights and "metallics" calculation	\$17.63	\$15.28
996	Gold fire assay - gravimetric finish (second assay for -140 fraction plus additional fusions to totally fuse heavy fraction)	\$8.25 (per fusion)	\$7.15 (per fusion)

IVANHOE GOLDFIELDS LTD. PRICE SCHEDULE
GEOCHEM SAMPLES

Chemex Code	Description	Price Per Sample
226/205	Crush, split, ring pulverize to 90 percent -150 mesh (up to 5 pound rock geochem sample)	\$ 3.11
201	Dry, sieve through a -80 mesh screen (soil samples)	\$ 0.83
100	Gold - 10 gram FA-atomic absorption finish to 5 ppb	\$ 5.96
ICP 9g	Aqua regia digestion - ICP analysis for Sb 2ppm, As 2ppm, Bi 2ppm, Cu 1ppm, Pb 2ppm, Hg 1ppm, Mo 1ppm, Ag 0.2ppm and Zn 2ppm	\$ 4.13
13	Arsenic to 1ppm As by aqua regia digestion - hydride AA analysis	\$ 3.75
23	Bismuth to 0.1ppm Bi by HCl/HClO ₄ extraction - AA	\$ 4.20

Prices quoted are valid through March 31, 1994, and are subject to approximating your volume estimates for this project.

Prepared for **IVANHOE GOLDFIELDS LTD.**
May 19, 1993

Lloyd Twaites

Lloyd Twaites
Director - Marketing

BLT:gjs



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments : ATTN: JOE KAJSZO CC: TONY HITCHINS

Page Number : 1-A
Total Pages : 3
Certificate Date: 05-AUG-93
Invoice No. : 19318175
P.O. Number : 31819
Account : KXX

CERTIFICATE OF ANALYSIS A9318175

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
070-0005	244 229	0.4	1.21	564	130	0.5	< 2	0.33	0.5	7	39	40	2.49	< 10	< 1	0.36	20	0.48	295	1
070-0010	244 229	0.4	1.37	500	140	0.5	< 2	0.34	0.5	7	99	34	2.55	< 10	< 1	0.45	20	0.50	255	1
070-0015	244 229	0.4	1.47	666	180	0.5	< 2	0.45	0.5	11	84	37	3.04	< 10	< 1	0.38	30	0.56	390	1
070-0020	244 229	0.4	1.43	400	150	0.5	< 2	0.52	0.5	9	116	31	2.90	< 10	< 1	0.37	30	0.50	355	1
070-0025	244 229	0.4	1.19	316	120	< 0.5	< 2	0.42	< 0.5	8	89	25	2.42	< 10	< 1	0.30	20	0.40	285	1
070-0030	244 229	0.4	2.12	486	300	0.5	< 2	1.34	< 0.5	11	112	33	3.08	10	< 1	0.46	20	0.94	365	1
070-0035	244 229	0.2	3.09	2120	630	0.5	< 2	2.69	1.0	14	177	31	3.92	10	< 1	0.88	20	1.46	485	1
070-0040	244 229	0.4	3.90	4730	670	0.5	6	2.26	< 0.5	17	208	108	4.34	10	< 1	1.18	20	1.74	375	1
070-0045	244 229	0.4	3.72	5950	730	0.5	14	2.10	< 0.5	17	150	42	4.63	10	< 1	1.27	20	1.93	335	1
070-0050	244 229	1.4	3.56	7530	760	0.5	6	2.27	3.0	16	113	66	5.07	10	< 1	1.52	20	2.05	490	1
070-0055	244 229	0.4	4.33	3680	620	0.5	< 2	2.24	0.5	15	191	114	4.53	10	< 1	1.06	20	2.06	395	1
070-0060	244 229	0.4	4.37	5530	460	0.5	6	2.23	< 0.5	16	188	143	4.62	10	< 1	0.99	20	2.18	405	1
070-0065	244 229	0.4	4.07	1240	780	0.5	< 2	2.77	< 0.5	14	203	35	3.55	10	< 1	0.98	20	1.80	470	< 1
070-0070	244 229	0.2	3.83	518	690	0.5	< 2	3.12	< 0.5	14	210	70	4.21	10	< 1	0.90	20	2.07	520	< 1
070-0075	244 229	0.2	3.60	670	780	0.5	< 2	4.38	< 0.5	14	196	104	4.13	10	< 1	1.00	10	1.95	580	1
070-0080	244 229	0.4	4.20	490	880	0.5	< 2	2.54	< 0.5	13	190	102	4.12	10	1	1.13	20	2.06	385	< 1
070-0085	244 229	0.6	4.04	6900	600	0.5	32	2.54	< 0.5	20	214	138	5.12	10	< 1	1.23	20	2.29	390	< 1
070-0090	244 229	0.4	4.71	2490	840	0.5	2	2.72	< 0.5	16	168	95	4.17	10	< 1	1.29	20	2.07	405	< 1
070-0095	244 229	0.4	4.33	1480	640	0.5	2	2.58	< 0.5	13	172	121	3.95	10	< 1	1.34	20	1.91	360	< 1
070-0100	244 229	0.4	4.31	1750	740	0.5	< 2	2.71	< 0.5	14	187	55	3.94	10	1	0.93	30	1.91	425	1
070-0105	244 229	0.2	3.98	1130	730	0.5	< 2	2.49	< 0.5	13	146	54	3.63	10	< 1	0.83	30	1.82	375	1
070-0110	244 229	0.2	4.09	4010	790	0.5	2	2.23	< 0.5	13	135	30	3.64	10	< 1	0.91	20	1.65	310	1
070-0115	244 229	< 0.2	3.87	5570	580	0.5	< 2	2.47	< 0.5	15	178	49	4.02	10	< 1	0.77	30	1.69	350	1
070-0120	244 229	0.2	4.11	2200	800	0.5	< 2	2.54	< 0.5	13	227	32	3.64	10	< 1	0.88	20	1.51	370	1
070-0125	244 229	0.2	4.20	440	830	0.5	< 2	2.53	< 0.5	13	219	23	3.51	10	< 1	0.95	30	1.51	390	2
070-0130	244 229	0.2	4.55	498	830	0.5	< 2	3.06	< 0.5	14	168	20	3.68	10	< 1	1.02	30	1.70	445	1
070-0135	244 229	0.2	4.39	324	840	0.5	< 2	2.71	< 0.5	14	141	25	3.51	10	< 1	1.01	20	1.63	375	1
070-0140	244 229	0.4	2.33	8100	370	0.5	4	2.64	< 0.5	12	137	48	3.73	< 10	< 1	0.68	20	1.37	395	1
070-0145	244 229	1.0	1.37	4240	210	0.5	< 2	2.97	2.5	12	91	38	3.31	< 10	< 1	0.38	20	1.21	775	1
070-0150	244 229	0.2	2.11	896	450	0.5	< 2	1.45	< 0.5	10	201	70	3.37	< 10	< 1	0.66	40	1.16	340	2
070-0155	244 229	0.2	2.04	504	380	0.5	< 2	1.31	< 0.5	10	252	63	3.80	< 10	< 1	0.57	40	1.22	330	3
070-0160	244 229	0.2	2.21	328	450	0.5	< 2	1.43	< 0.5	10	205	48	3.68	< 10	< 1	0.67	40	1.25	350	2
070-0165	244 229	0.2	2.22	458	420	0.5	< 2	1.85	< 0.5	10	202	91	3.58	< 10	< 1	0.61	40	1.30	365	2
070-0170	244 229	0.2	2.43	6100	390	0.5	2	1.83	< 0.5	14	235	105	4.45	10	< 1	0.86	40	1.42	315	4
070-0175	244 229	0.2	2.31	1590	400	0.5	< 2	1.70	< 0.5	10	227	53	3.87	10	< 1	0.61	40	1.25	370	2
070-0180	244 229	0.2	2.02	846	420	0.5	< 2	2.02	< 0.5	10	136	36	3.57	10	< 1	0.63	40	1.25	490	1
070-0185	244 229	0.2	2.66	296	600	1.0	< 2	1.90	< 0.5	11	195	22	3.61	10	< 1	0.86	50	1.33	435	2
070-0190	244 229	0.4	2.54	292	630	0.5	< 2	2.17	< 0.5	10	199	133	3.48	10	< 1	0.92	50	1.27	450	2
070-0195	244 229	0.2	2.30	558	520	0.5	< 2	3.33	< 0.5	10	162	119	3.17	10	< 1	0.77	40	1.19	570	1
070-0200	244 229	< 0.2	2.51	124	620	0.5	< 2	2.18	< 0.5	10	177	19	3.22	10	< 1	0.95	40	1.22	465	1

CERTIFICATION:

Hart Beckler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
 VANCOUVER, BC
 V6C 2G8

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 Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

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CERTIFICATE OF ANALYSIS

A9318175

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Sn ppm
070-0005	244 229	0.03	19	390	46	4	3	32	0.06	< 10	< 10	26	< 10	148	< 2
070-0010	244 229	0.04	20	390	52	6	3	32	0.06	< 10	< 10	27	< 10	148	< 2
070-0015	244 229	0.04	26	520	60	8	4	44	0.07	< 10	< 10	32	< 10	144	< 2
070-0020	244 229	0.04	26	480	44	6	4	47	0.06	< 10	< 10	30	< 10	112	< 2
070-0025	244 229	0.04	22	400	48	8	3	40	0.05	< 10	< 10	24	10	98	< 2
070-0030	244 229	0.07	21	680	30	2	4	88	0.16	< 10	< 10	47	< 10	142	< 2
070-0035	244 229	0.07	17	940	16	4	8	110	0.22	< 10	< 10	72	10	224	< 2
070-0040	244 229	0.21	16	790	8	2	9	189	0.18	< 10	< 10	76	10	112	< 2
070-0045	244 229	0.17	17	710	22	2	10	171	0.16	< 10	< 10	82	10	96	< 2
070-0050	244 229	0.14	18	780	104	8	15	156	0.16	< 10	< 10	85	30	340	< 2
070-0055	244 229	0.23	19	880	28	2	10	227	0.24	< 10	< 10	98	20	172	< 2
070-0060	244 229	0.21	21	880	20	2	10	208	0.23	< 10	< 10	104	10	76	< 2
070-0065	244 229	0.23	18	920	14	2	8	229	0.27	< 10	< 10	93	10	58	< 2
070-0070	244 229	0.16	20	880	16	2	10	192	0.26	< 10	< 10	102	10	64	< 2
070-0075	244 229	0.09	18	830	10	2	11	169	0.24	< 10	< 10	99	10	54	< 2
070-0080	244 229	0.22	17	850	14	4	9	215	0.32	< 10	< 10	106	10	64	< 2
070-0085	244 229	0.20	20	710	44	2	12	189	0.14	< 10	< 10	97	20	138	< 2
070-0090	244 229	0.34	19	900	20	2	9	300	0.26	< 10	< 10	102	10	100	< 2
070-0095	244 229	0.31	18	800	20	< 2	10	240	0.23	< 10	< 10	90	10	90	< 2
070-0100	244 229	0.29	18	820	18	2	8	245	0.28	< 10	< 10	91	10	78	< 2
070-0105	244 229	0.26	18	790	10	< 2	7	217	0.29	< 10	< 10	84	10	64	< 2
070-0110	244 229	0.32	18	680	12	2	6	250	0.25	< 10	< 10	78	10	46	< 2
070-0115	244 229	0.27	18	610	16	2	7	216	0.14	< 10	< 10	77	10	56	< 2
070-0120	244 229	0.35	21	700	16	4	6	273	0.24	< 10	< 10	77	10	58	< 2
070-0125	244 229	0.37	18	890	18	4	5	285	0.29	< 10	< 10	81	10	58	< 2
070-0130	244 229	0.39	17	880	24	2	7	308	0.29	< 10	< 10	86	10	78	< 2
070-0135	244 229	0.37	17	960	14	4	6	292	0.28	< 10	< 10	84	10	54	< 2
070-0140	244 229	0.11	12	690	30	6	8	132	0.08	< 10	< 10	50	20	96	< 2
070-0145	244 229	0.07	11	560	250	24	7	148	0.04	< 10	< 10	30	10	370	< 2
070-0150	244 229	0.15	14	610	16	2	6	99	0.18	< 10	< 10	53	10	50	3
070-0155	244 229	0.14	18	640	12	2	6	86	0.20	< 10	< 10	55	10	42	< 2
070-0160	244 229	0.16	17	610	10	< 2	6	98	0.21	< 10	< 10	58	10	44	< 2
070-0165	244 229	0.15	16	610	14	2	7	105	0.18	< 10	< 10	58	10	42	< 2
070-0170	244 229	0.16	18	590	14	6	9	109	0.16	< 10	< 10	61	10	40	2
070-0175	244 229	0.15	19	590	10	2	7	97	0.17	< 10	< 10	57	10	42	< 2
070-0180	244 229	0.08	15	600	48	4	7	92	0.15	< 10	< 10	60	10	96	< 2
070-0185	244 229	0.10	14	620	16	2	8	103	0.17	< 10	< 10	54	10	50	< 2
070-0190	244 229	0.11	12	570	12	< 2	7	102	0.20	< 10	< 10	56	10	48	2
070-0195	244 229	0.07	11	560	6	< 2	7	104	0.14	< 10	< 10	49	10	44	< 2
070-0200	244 229	0.12	12	610	6	< 2	7	95	0.23	< 10	< 10	57	10	44	< 2

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
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To: IVANHOE GOLDFIELDS LTD.

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SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
070-0205	244 229	0.2	2.43	158	550	0.5	< 2	1.97	< 0.5	10	170	24	3.33	10	< 1	0.84	40	1.30	440	1
070-0210	244 229	0.2	2.49	278	490	0.5	< 2	2.16	< 0.5	9	145	25	3.28	10	< 1	0.77	40	1.32	440	1
070-0215	244 229	< 0.2	2.60	1745	580	0.5	< 2	1.66	< 0.5	10	162	39	3.12	10	< 1	1.01	40	1.18	355	1
070-0220	244 229	0.2	2.49	1315	400	0.5	< 2	1.52	< 0.5	10	154	100	3.41	10	< 1	1.00	40	1.34	325	1
070-0225	244 229	0.2	2.30	638	470	0.5	< 2	1.97	< 0.5	10	156	78	3.28	10	< 1	0.92	40	1.28	380	1
070-0230	244 229	< 0.2	2.21	100	440	0.5	< 2	1.86	< 0.5	9	135	34	3.11	10	< 1	0.81	40	1.14	380	< 1
070-0235	244 229	0.2	2.33	256	410	0.5	< 2	1.76	< 0.5	9	154	77	3.35	10	< 1	0.78	40	1.27	390	1
070-0240	244 229	5.0	2.03	>10000	140	0.5	26	1.71	2.5	19	148	159	4.42	10	< 1	0.61	30	1.06	390	1
070-0245	244 229	6.4	2.12	>10000	100	0.5	60	2.12	1.5	20	153	208	5.26	10	< 1	0.51	40	1.24	350	2
070-0250	244 229	0.8	1.80	7270	240	0.5	4	1.83	< 0.5	9	96	269	3.66	10	< 1	0.47	40	1.55	340	1
070-0255	244 229	0.4	2.34	9380	180	0.5	4	1.38	< 0.5	11	202	173	4.10	10	1	0.48	40	1.34	230	1
070-0260	244 229	< 0.2	2.25	3970	180	0.5	< 2	1.47	< 0.5	10	189	93	3.59	10	1	0.44	50	1.27	225	1
070-0265	244 229	0.2	2.22	>10000	200	0.5	20	1.66	< 0.5	21	190	90	5.30	10	< 1	0.44	40	1.36	270	1
070-0270	244 229	< 0.2	2.39	1235	290	0.5	< 2	1.55	< 0.5	10	209	69	3.73	10	1	0.55	40	1.20	300	1
070-0275	244 229	< 0.2	2.24	518	200	0.5	< 2	1.66	< 0.5	9	187	80	3.78	10	< 1	0.39	50	1.31	280	1
070-0280	244 229	< 0.2	2.15	682	390	0.5	< 2	2.50	< 0.5	11	178	45	3.59	10	< 1	0.66	40	1.25	385	1
070-0285	244 229	0.2	2.17	620	400	0.5	< 2	2.03	< 0.5	11	205	60	3.70	10	1	0.67	40	1.29	375	2
070-0290	244 229	0.8	2.64	4050	280	0.5	8	1.93	< 0.5	12	229	231	4.16	10	1	0.81	40	1.36	350	2
070-0295	244 229	< 0.2	2.95	342	600	0.5	< 2	1.98	< 0.5	11	187	58	3.78	10	1	0.99	40	1.32	400	2
070-0300	244 229	< 0.2	3.27	184	550	0.5	< 2	1.98	< 0.5	12	222	33	3.75	10	1	0.98	40	1.39	385	1
070-0305	244 229	0.2	3.65	166	520	0.5	< 2	2.25	< 0.5	11	258	41	4.00	10	< 1	1.01	30	1.33	395	2
070-0310	244 229	0.2	3.66	86	690	0.5	< 2	2.40	< 0.5	11	249	20	3.61	10	1	0.97	30	1.29	395	2
070-0315	244 229	0.2	2.84	404	300	0.5	< 2	1.96	< 0.5	13	123	65	4.10	10	< 1	0.78	20	1.37	360	2
070-0320	244 229	0.2	2.77	1280	330	0.5	< 2	2.19	< 0.5	13	126	105	4.10	10	< 1	0.72	20	1.44	365	1
070-0325	244 229	0.2	2.83	1740	340	0.5	< 2	2.79	< 0.5	13	170	78	4.05	10	< 1	0.56	30	1.64	425	1
070-0330	244 229	0.2	2.63	1265	340	0.5	< 2	3.39	< 0.5	13	149	76	3.77	10	< 1	0.61	30	1.54	405	< 1
070-0335	244 229	0.2	2.00	940	130	1.0	< 2	4.50	< 0.5	11	157	60	3.34	10	1	0.40	20	1.43	415	1
070-0340	244 229	0.2	2.29	2290	310	0.5	< 2	4.76	< 0.5	14	144	49	3.64	< 10	< 1	0.56	20	1.46	495	1
070-0345	244 229	0.6	2.16	516	430	1.0	< 2	3.69	< 0.5	12	153	266	3.76	10	1	0.75	30	1.66	425	1
070-0425	244 229	0.6	0.71	368	80	0.5	< 2	0.74	2.5	8	109	27	2.38	< 10	< 1	0.29	20	0.58	205	2
070-0430	244 229	0.4	0.62	244	40	< 0.5	< 2	0.60	1.5	6	106	24	2.37	< 10	< 1	0.31	10	0.53	180	2
070-0435	244 229	0.4	1.00	72	70	0.5	< 2	0.60	3.0	11	85	49	3.29	< 10	< 1	0.57	10	0.79	195	1
070-0440	244 229	0.6	1.16	204	80	0.5	< 2	0.41	4.0	12	163	56	3.95	< 10	1	0.66	10	0.83	235	4
070-0445	244 229	1.0	1.86	98	120	1.5	< 2	0.37	4.5	15	106	81	4.73	< 10	1	1.04	20	1.14	270	3
070-0450	244 229	0.4	1.04	158	60	0.5	< 2	0.49	2.0	7	101	67	2.74	< 10	< 1	0.44	20	0.56	175	1
070-0455	244 229	0.8	0.80	110	40	< 0.5	< 2	0.48	7.0	7	124	29	2.62	< 10	< 1	0.35	20	0.48	200	2
070-0460	244 229	0.4	0.67	342	40	< 0.5	< 2	0.45	4.0	7	109	34	2.37	< 10	< 1	0.38	20	0.48	145	2
070-0465	244 229	1.6	0.55	340	50	< 0.5	< 2	0.60	15.0	6	79	32	2.29	< 10	< 1	0.28	10	0.41	230	2
070-0470	244 229	1.6	0.53	82	30	< 0.5	< 2	0.50	4.0	7	131	207	2.89	< 10	1	0.29	20	0.47	570	3
070-0475	244 229	0.4	0.95	92	50	0.5	< 2	0.52	1.0	6	84	79	2.53	< 10	< 1	0.44	20	0.60	150	2

CERTIFICATION: *Hart Bickler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
 VANCOUVER, BC
 V6C 2G8

Project : DUBLIN GULCH
 Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

Page Number :2-B
 Total Pages :3
 Certificate Date: 05-AUG-93
 Invoice No. :19318175
 P.O. Number :31819
 Account :KXX

CERTIFICATE OF ANALYSIS A9318175

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Sn ppm
070-0205	244 229	0.13	11	600	10	< 2	8	97	0.20	< 10	< 10	58	10	52	< 2
070-0210	244 229	0.10	11	570	12	2	8	86	0.17	< 10	< 10	54	10	48	< 2
070-0215	244 229	0.22	11	530	6	2	6	140	0.21	< 10	< 10	53	10	38	< 2
070-0220	244 229	0.17	11	570	8	< 2	8	104	0.20	< 10	< 10	57	10	32	< 2
070-0225	244 229	0.13	11	560	6	2	8	95	0.17	< 10	< 10	53	10	36	< 2
070-0230	244 229	0.15	11	560	10	< 2	6	101	0.18	< 10	< 10	50	< 10	36	< 2
070-0235	244 229	0.16	12	560	8	2	8	95	0.17	< 10	< 10	57	< 10	38	< 2
070-0240	244 229	0.06	12	520	500	8	6	58	0.04	< 10	< 10	38	10	282	< 2
070-0245	244 229	0.02	13	580	526	20	6	53	< 0.01	< 10	< 10	37	10	186	< 2
070-0250	244 229	0.03	9	570	30	4	7	69	0.07	< 10	< 10	49	< 10	40	< 2
070-0255	244 229	0.13	11	540	8	2	7	71	0.05	< 10	< 10	53	< 10	24	< 2
070-0260	244 229	0.12	10	540	4	2	7	74	0.05	< 10	< 10	51	10	22	< 2
070-0265	244 229	0.07	14	560	8	2	7	58	0.06	< 10	< 10	54	60	32	< 2
070-0270	244 229	0.14	11	550	6	< 2	8	88	0.12	< 10	< 10	55	10	30	< 2
070-0275	244 229	0.12	12	580	6	< 2	7	83	0.08	< 10	< 10	53	10	28	< 2
070-0280	244 229	0.13	11	560	6	< 2	9	107	0.10	< 10	< 10	53	10	34	< 2
070-0285	244 229	0.13	13	580	4	< 2	8	97	0.14	< 10	< 10	54	10	36	< 2
070-0290	244 229	0.23	15	600	8	4	8	131	0.16	< 10	< 10	61	10	40	< 2
070-0295	244 229	0.28	15	650	8	2	7	161	0.26	< 10	< 10	64	10	42	< 2
070-0300	244 229	0.31	14	670	6	< 2	7	183	0.28	< 10	< 10	67	10	42	< 2
070-0305	244 229	0.36	20	640	16	< 2	6	231	0.27	< 10	< 10	71	10	42	< 2
070-0310	244 229	0.38	15	650	8	2	6	245	0.24	< 10	< 10	71	10	46	< 2
070-0315	244 229	0.25	18	660	10	2	7	164	0.21	< 10	< 10	68	10	40	< 2
070-0320	244 229	0.25	15	630	8	< 2	8	160	0.18	< 10	< 10	67	10	42	< 2
070-0325	244 229	0.20	15	630	14	2	10	157	0.11	< 10	< 10	70	10	48	< 2
070-0330	244 229	0.15	14	630	10	2	9	143	0.11	< 10	< 10	64	10	44	< 2
070-0335	244 229	0.02	11	650	12	2	9	117	0.03	< 10	< 10	54	10	46	< 2
070-0340	244 229	0.09	14	630	10	2	10	143	0.09	< 10	< 10	62	10	48	< 2
070-0345	244 229	0.11	15	650	8	4	11	142	0.10	< 10	< 10	59	10	50	< 2
070-0425	244 229	0.02	19	230	174	8	3	66	0.01	< 10	< 10	13	< 10	396	< 2
070-0430	244 229	0.02	17	160	106	4	2	39	0.02	< 10	< 10	13	< 10	254	< 2
070-0435	244 229	0.01	30	250	150	12	2	39	0.04	< 10	< 10	16	< 10	482	< 2
070-0440	244 229	0.02	35	250	144	14	3	28	0.05	< 10	< 10	25	< 10	632	< 2
070-0445	244 229	0.02	42	360	246	24	3	28	0.08	< 10	< 10	29	< 10	710	< 2
070-0450	244 229	0.02	20	170	66	6	1	37	0.04	< 10	< 10	13	< 10	310	< 2
070-0455	244 229	0.02	20	170	222	28	2	33	0.03	< 10	< 10	14	< 10	1140	< 2
070-0460	244 229	0.02	22	170	90	14	1	35	0.03	< 10	< 10	12	< 10	612	< 2
070-0465	244 229	0.02	16	160	608	82	1	57	0.01	< 10	< 10	9	< 10	2440	< 2
070-0470	244 229	0.01	23	190	210	18	1	41	< 0.01	< 10	< 10	7	< 10	656	< 2
070-0475	244 229	0.02	20	200	48	62	2	38	0.03	< 10	< 10	13	< 10	216	< 2

CERTIFICATION:

Wendy Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

Page Number :3-A
Total Pages :3
Certificate Date: 05-AUG-93
Invoice No. :19318175
P.O. Number :31819
Account :KXX

CERTIFICATE OF ANALYSIS A9318175

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
070-0480	244 229	0.8	1.37	96	80	0.5	< 2	0.57	5.0	9	119	39	3.05	< 10	< 1	0.74	10	0.78	215	2
070-0485	244 229	1.4	1.28	144	90	0.5	< 2	0.60	9.0	10	108	46	3.40	< 10	< 1	0.66	10	0.78	300	3
070-0490	244 229	0.2	1.10	44	70	0.5	< 2	0.50	1.0	8	162	35	2.53	< 10	< 1	0.61	10	0.62	175	2
070-0495	244 229	0.2	0.68	426	50	< 0.5	< 2	0.52	3.0	8	102	24	1.82	< 10	< 1	0.36	10	0.45	130	1
070-0500	244 229	0.2	0.58	562	20	< 0.5	< 2	0.41	1.5	6	71	24	1.27	< 10	< 1	0.20	10	0.26	105	< 1
070-0505	244 229	0.8	0.34	302	20	< 0.5	< 2	0.55	6.0	7	102	52	2.20	< 10	< 1	0.12	10	0.29	260	1

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

Page Number : 3-B
Total Pages : 3
Certificate Date: 05-AUG-93
Invoice No. : 19318175
P.O. Number : 31819
Account : KXX

CERTIFICATE OF ANALYSIS

A9318175

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Sn ppm
070-0480	244 229	0.02	26	220	188	30	2	33	0.07	< 10	< 10	20	< 10	828	< 2
070-0485	244 229	0.01	28	220	358	28	2	41	0.04	< 10	< 10	18	< 10	1355	< 2
070-0490	244 229	0.02	20	180	46	4	2	31	0.04	< 10	< 10	16	< 10	224	< 2
070-0495	244 229	0.02	16	140	106	10	1	35	0.01	< 10	< 10	10	< 10	384	< 2
070-0500	244 229	0.03	10	120	48	6	1	29	< 0.01	< 10	< 10	6	< 10	132	< 2
070-0505	244 229	< 0.01	19	190	252	36	1	27	< 0.01	< 10	< 10	8	< 10	884	< 2

CERTIFICATION: *Hart Bickler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
 VANCOUVER, BC
 V6C 2G8

Project : DUBLIN GULCH
 Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

Page Number : 1
 Total Pages : 3
 Certificate Date: 26-JUL-93
 Invoice No. : 19317193
 P.O. Number : 31819
 Account : KXX

CERTIFICATE OF ANALYSIS A9317193

SAMPLE	PREP CODE	Weight Kg	Au oz/T	Au g/t calc.	Ag oz/T	Pb %	Zn %				
070-0005	208 277	2.54	0.002	0.07	-----	-----	-----				
070-0010	208 277	2.37	0.002	0.07	-----	-----	-----				
070-0015	208 277	12.26	0.002	0.07	-----	-----	-----				
070-0020	208 277	17.68	0.005	0.17	-----	-----	-----				
070-0025	208 277	20.86	0.002	0.07	-----	-----	-----				
070-0030	208 277	18.06	0.005	0.17	-----	-----	-----				
070-0035	208 277	7.02	0.010	0.34	-----	-----	-----				
070-0040	208 277	11.44	0.021	0.72	-----	-----	-----				
070-0045	208 277	10.85	0.127	4.35	-----	-----	-----				
070-0050	208 277	13.10	0.036	1.23	-----	-----	-----				
070-0052	208 277	10.42	0.029	0.99	-----	-----	-----				
070-0055	208 277	14.66	0.012	0.41	-----	-----	-----				
070-0060	208 277	15.76	0.025	0.86	-----	-----	-----				
070-0065	208 277	12.82	0.007	0.24	-----	-----	-----				
070-0070	208 277	13.40	0.004	0.14	-----	-----	-----				
070-0075	208 277	13.78	0.003	0.10	-----	-----	-----				
070-0080	208 277	12.40	0.017	0.58	-----	-----	-----				
070-0085	208 277	11.47	0.051	1.75	-----	-----	-----				
070-0090	208 277	11.34	0.016	0.55	-----	-----	-----				
070-0095	208 277	11.96	0.019	0.65	-----	-----	-----				
070-0100	208 277	13.32	0.007	0.24	-----	-----	-----				
070-0101	214 --	-----	< 0.001	< 0.03	-----	-----	-----				
070-0102	208 277	12.06	0.013	0.45	-----	-----	-----				
170-0105	208 277	10.10	0.007	0.24	-----	-----	-----				
070-0110	208 277	10.06	0.009	0.31	-----	-----	-----				
070-0115	208 277	13.38	0.016	0.55	-----	-----	-----				
070-0120	208 277	16.92	0.005	0.17	-----	-----	-----				
070-0125	208 277	8.60	0.002	0.07	-----	-----	-----				
070-0130	208 277	13.14	0.002	0.07	-----	-----	-----				
070-0135	208 277	13.78	< 0.001	< 0.03	-----	-----	-----				
070-0140	208 277	16.08	0.018	0.62	-----	-----	-----				
070-0145	208 277	13.65	0.008	0.27	-----	-----	-----				
070-0150	208 277	15.98	0.005	0.17	-----	-----	-----				
070-0152	208 277	20.74	0.007	0.24	-----	-----	-----				
070-0155	208 277	11.04	0.002	0.07	-----	-----	-----				
070-0160	208 277	16.42	0.002	0.07	-----	-----	-----				
070-0165	208 277	15.12	0.003	0.10	-----	-----	-----				
070-0170	208 277	15.26	0.010	0.34	-----	-----	-----				
070-0173	208 277	4.00	< 0.001	< 0.03	-----	-----	-----				
070-0175	208 277	14.74	0.004	0.14	-----	-----	-----				

CERTIFICATION: _____

[Handwritten Signature]



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
 VANCOUVER, BC
 V6C 2G8

Project : DUBLIN GULCH
 Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

Page Number : 2
 Total Pages : 3
 Certificate Date: 26-JUL-93
 Invoice No. : 19317193
 P.O. Number : 31819
 Account : KXX

CERTIFICATE OF ANALYSIS A9317193

SAMPLE	PREP CODE	Weight Kg	Au oz/T	Au g/t calc.	Ag oz/T	Pb %	Zn %				
070-0180	208 277	15.50	0.004	0.14	-----	-----	-----				
070-0185	208 277	8.22	0.003	0.10	-----	-----	-----				
070-0190	208 277	13.58	0.003	0.10	-----	-----	-----				
070-0195	208 277	11.72	0.003	0.10	-----	-----	-----				
070-0200	208 277	12.82	0.001	0.03	-----	-----	-----				
070-0201	214 --	-----	0.045	1.54	-----	-----	-----				
070-0202	208 277	17.64	0.002	0.07	-----	-----	-----				
070-0205	208 277	11.94	0.002	0.07	-----	-----	-----				
070-0210	208 277	15.52	0.003	0.10	-----	-----	-----				
070-0215	208 277	15.08	0.006	0.21	-----	-----	-----				
070-0220	208 277	15.94	0.005	0.17	-----	-----	-----				
070-0225	208 277	14.94	0.003	0.10	-----	-----	-----				
070-0230	208 277	13.08	0.002	0.07	-----	-----	-----				
070-0235	208 277	11.66	0.004	0.14	-----	-----	-----				
070-0240	208 277	16.84	0.050	1.71	-----	-----	-----				
070-0245	208 277	13.68	0.053	1.82	-----	-----	-----				
070-0250	208 277	13.04	0.066	2.26	-----	-----	-----				
070-0252	208 277	15.62	0.088	3.02	-----	-----	-----				
070-0255	208 277	13.64	0.019	0.65	-----	-----	-----				
070-0260	208 277	15.26	0.007	0.24	-----	-----	-----				
070-0265	208 277	11.10	0.054	1.85	-----	-----	-----				
070-0270	208 277	14.60	0.003	0.10	-----	-----	-----				
070-0275	208 277	13.12	0.003	0.10	-----	-----	-----				
070-0280	208 277	15.42	0.004	0.14	-----	-----	-----				
070-0285	208 277	14.84	0.003	0.10	-----	-----	-----				
070-0290	208 277	15.32	0.086	2.95	-----	-----	-----				
070-0295	208 277	15.86	0.007	0.24	-----	-----	-----				
070-0300	208 277	16.42	0.002	0.07	-----	-----	-----				
070-0301	214 --	-----	0.010	0.34	-----	-----	-----				
070-0302	208 277	16.08	0.001	0.03	-----	-----	-----				
070-0305	208 277	15.56	< 0.001	< 0.03	-----	-----	-----				
070-0310	208 277	14.96	< 0.001	< 0.03	-----	-----	-----				
070-0315	208 277	14.70	0.003	0.10	-----	-----	-----				
070-0320	208 277	14.82	0.002	0.07	-----	-----	-----				
070-0325	208 277	15.28	0.003	0.10	-----	-----	-----				
070-0330	208 277	12.68	0.003	0.10	-----	-----	-----				
070-0335	208 277	11.86	0.003	0.10	-----	-----	-----				
070-0340	208 277	11.46	0.002	0.07	-----	-----	-----				
070-0345	208 277	12.47	0.008	0.27	-----	-----	-----				
070-0350	208 277	13.50	0.003	0.10	0.02	< 0.01	< 0.01				

CERTIFICATION: _____

ALB...



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
 VANCOUVER, BC
 V6C 2G8

Project : DUBLIN GULCH
 Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

Page Number : 3
 Total Pages : 3
 Certificate Date: 26-JUL-93
 Invoice No. : 19317193
 P.O. Number : 31819
 Account : KXX

CERTIFICATE OF ANALYSIS A9317193

SAMPLE	PREP CODE	Weight Kg	Au oz/T	Au g/t calc.	Ag oz/T	Pb %	Zn %				
070-0352	208 277	8.30	0.003	0.10	< 0.01	0.01	< 0.01				
070-0355	208 277	7.48	0.042	1.44	3.29	2.07	9.11				
070-0358	208 277	6.50	< 0.001	< 0.03	0.02	0.03	0.05				
070-0360	208 277	24.05	0.095	3.26	8.51	7.77	13.00				
070-0365	208 277	14.68	0.003	0.10	0.17	0.11	0.24				
070-0370	208 277	19.08	0.007	0.24	0.26	0.30	1.02				
070-0375	208 277	17.58	0.008	0.27	0.44	0.53	1.53				
070-0380	208 277	22.06	0.008	0.27	0.36	0.43	1.22				
070-0385	208 277	19.96	0.004	0.14	-----	-----	-----				
070-0390	208 277	12.30	0.011	0.38	-----	-----	-----				
070-0395	208 277	17.50	0.017	0.58	-----	-----	-----				
070-0400	208 277	15.84	0.002	0.07	-----	-----	-----				
070-0401	214 --	-----	0.006	0.21	-----	-----	-----				
070-0402	208 277	6.36	0.021	0.72	-----	-----	-----				
070-0405	208 277	18.26	0.002	0.07	-----	-----	-----				
070-0410	208 277	13.84	< 0.001	< 0.03	-----	-----	-----				
070-0415	208 277	14.12	0.006	0.21	-----	-----	-----				
070-0420	208 277	12.92	< 0.001	< 0.03	-----	-----	-----				
070-0425	208 277	14.36	< 0.001	< 0.03	-----	-----	-----				
070-0430	208 277	15.48	< 0.001	< 0.03	-----	-----	-----				
070-0435	208 277	13.42	< 0.001	< 0.03	-----	-----	-----				
070-0440	208 277	14.86	< 0.001	< 0.03	-----	-----	-----				
070-0445	208 277	13.46	< 0.001	< 0.03	-----	-----	-----				
070-0450	208 277	14.16	< 0.001	< 0.03	-----	-----	-----				
070-0452	208 277	7.48	< 0.001	< 0.03	-----	-----	-----				
070-0455	208 277	14.70	< 0.001	< 0.03	-----	-----	-----				
070-0460	208 277	12.24	0.018	0.62	-----	-----	-----				
070-0465	208 277	15.68	0.003	0.10	-----	-----	-----				
070-0470	208 277	13.98	0.016	0.55	-----	-----	-----				
070-0475	208 277	13.02	0.005	0.17	-----	-----	-----				
070-0480	208 277	15.64	0.002	0.07	-----	-----	-----				
070-0485	208 277	18.04	0.006	0.21	-----	-----	-----				
070-0490	208 277	12.24	0.001	0.03	-----	-----	-----				
070-0495	208 277	13.48	0.002	0.07	-----	-----	-----				
070-0500	208 277	14.98	0.002	0.07	-----	-----	-----				
070-0501	214 --	-----	0.004	0.14	-----	-----	-----				
070-0502	208 277	17.26	0.001	0.03	-----	-----	-----				
070-0505	208 277	11.48	0.012	0.41	-----	-----	-----				

CERTIFICATION:

[Handwritten Signature]



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

Client: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
 VANCOUVER, BC
 V6C 2G8

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 08-AUG-93
 Invoice No.: 19318174
 P.O. Number: 31819
 Account: KXX

Project: DUBLIN GULCH
 Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

CERTIFICATE OF ANALYSIS A9318174

SAMPLE	PREP CODE	Cu %	Pb %	Zn %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
070-0350	244 233	-----	-----	-----	< 1.0	3.09	2280	820	0.5	< 2	2.97	0.5	17	111	82	5.04	10	< 1	1.25	50
070-0355	244 233	-----	-----	-----	116.0	0.69	5450	110	< 0.5	34	2.31	>100.0	19	70	697	9.86	< 10	22	0.30	30
070-0360	244 233	-----	-----	-----	>200	0.24	7930	10	< 0.5	58	0.66	>100.0	8	70	972	>15.00	< 10	19	0.06	10
070-0365	244 233	-----	-----	-----	9.0	0.61	484	90	< 0.5	< 2	0.88	22.0	12	103	56	3.48	10	2	0.42	30
070-0370	244 233	-----	-----	-----	10.0	0.33	686	40	< 0.5	< 2	0.99	76.0	10	93	79	4.03	< 10	6	0.28	20
070-0375	244 233	-----	-----	-----	16.0	0.32	648	40	< 0.5	< 2	0.44	>100.0	8	136	120	3.90	< 10	5	0.24	10
070-0380	244 233	0.01	0.48	1.24	13.0	0.27	1850	40	< 0.5	2	0.19	91.5	12	97	129	4.61	< 10	1	0.28	10
070-0385	244 233	0.01	-----	-----	4.0	0.40	578	60	< 0.5	< 2	1.02	14.0	14	93	130	4.05	< 10	2	0.30	20
070-0390	244 233	< 0.01	-----	-----	1.0	0.46	1015	60	< 0.5	2	0.83	3.5	15	93	37	3.12	< 10	2	0.31	30
070-0395	244 233	< 0.01	-----	-----	2.0	1.01	404	190	< 0.5	< 2	1.27	4.0	14	72	74	3.75	10	1	0.40	40
070-0400	244 233	< 0.01	-----	-----	< 1.0	2.16	1915	410	0.5	4	2.35	3.5	16	111	24	3.81	10	< 1	0.72	60
070-0405	244 233	< 0.01	-----	-----	1.0	2.74	260	480	0.5	< 2	1.76	5.5	13	96	21	3.25	10	3	0.87	60
070-0410	244 233	< 0.01	-----	-----	1.0	2.25	694	390	0.5	< 2	1.63	0.5	17	64	41	3.88	10	2	0.83	50
070-0415	244 233	0.01	-----	-----	2.0	1.47	318	130	1.0	< 2	0.64	9.0	17	57	190	4.31	10	< 1	0.78	30
070-0420	244 233	< 0.01	-----	-----	< 1.0	1.11	76	80	0.5	< 2	0.54	1.0	13	54	33	3.46	< 10	< 1	0.68	20

CERTIFICATION:

Handwritten signature: H. A. Beckler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

Client: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

Page Number : 1-B
Total Pages : 1
Certificate Date: 08-AUG-93
Invoice No. : I9318174
P.O. Number : 31819
Account : KXX

CERTIFICATE OF ANALYSIS A9318174

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Sn ppm	Cd %
070-0350	244 233	2.12	455	< 1	0.21	15	860	68	18	14	190	0.26	< 10	< 10	86	< 10	164	< 2	-----
070-0355	244 233	1.19	945	< 1	0.03	19	470	>10000	3920	8	202	0.03	< 10	< 10	22	< 10	>10000	22	0.062
070-0360	244 233	0.33	580	4	0.01	17	70	>10000	>10000	1	46	< 0.01	< 10	< 10	2	< 10	>10000	27	0.091
070-0365	244 233	0.60	995	2	0.02	27	190	1275	114	2	51	0.01	< 10	< 10	9	< 10	3260	2	-----
070-0370	244 233	0.54	915	1	0.01	17	230	2810	574	3	70	< 0.01	< 10	< 10	8	< 10	>10000	5	-----
070-0375	244 233	0.28	960	2	0.01	19	80	5240	350	2	49	< 0.01	< 10	< 10	5	< 10	>10000	8	0.011
070-0380	244 233	0.25	1050	4	0.01	30	110	4150	882	1	21	< 0.01	< 10	< 10	4	< 10	>10000	4	-----
070-0385	244 233	0.71	650	6	0.01	35	210	698	90	2	105	< 0.01	< 10	< 10	8	< 10	2230	4	-----
070-0390	244 233	0.74	300	2	0.01	33	120	188	18	2	90	< 0.01	< 10	< 10	7	< 10	482	2	-----
070-0395	244 233	1.04	450	1	0.05	23	420	252	26	6	97	0.07	< 10	< 10	33	< 10	612	3	-----
070-0400	244 233	1.42	615	2	0.16	17	680	122	< 2	7	152	0.19	< 10	< 10	60	< 10	424	3	-----
070-0405	244 233	1.23	495	3	0.23	17	580	310	26	6	161	0.22	< 10	< 10	61	< 10	950	5	-----
070-0410	244 233	1.32	410	1	0.16	22	570	50	< 2	6	133	0.18	< 10	< 10	54	< 10	228	< 2	-----
070-0415	244 233	0.96	345	1	0.03	42	320	568	62	2	39	0.06	< 10	< 10	24	< 10	1400	4	-----
070-0420	244 233	0.87	245	1	0.03	23	260	46	2	2	32	0.07	< 10	< 10	20	< 10	172	2	-----

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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 PHONE: 604-984-0221

Client: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURFARD ST.
 VANCOUVER, BC
 V6C 2G8

Page Number: 1-A
 Total Pages: 1
 Certificate Date: 04-AUG-93
 Invoice No.: I9318177
 P.O. Number: 31814
 Account: KXX

Project: DGRC 93-065

Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS ✓

CERTIFICATE OF ANALYSIS

A9318177

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
71-0040	244 229	< 0.2	1.02	306	70	0.5	< 2	0.06	1.0	8	105	57	4.09	< 10	< 1	0.50	20	0.30	195	2
71-0065	244 229	< 0.2	1.25	154	70	0.5	< 2	0.07	1.5	4	82	65	4.33	< 10	< 1	0.74	10	0.53	230	1
71-0080	244 229	< 0.2	1.27	292	70	0.5	< 2	0.07	2.0	13	115	70	3.75	< 10	< 1	0.66	10	0.46	210	< 1
71-0095	244 229	< 0.2	1.38	152	80	0.5	< 2	0.03	0.5	4	81	36	3.44	< 10	< 1	0.86	10	0.58	160	1
71-0105	244 229	< 0.2	1.04	174	50	0.5	< 2	0.04	0.5	3	95	46	3.30	< 10	< 1	0.60	10	0.43	150	1
71-0120	244 229	< 0.2	1.75	254	100	0.5	< 2	0.06	1.5	7	100	49	3.77	< 10	< 1	1.03	10	0.75	230	1
71-0135	244 229	< 0.2	1.11	48	60	0.5	< 2	0.03	< 0.5	3	98	33	2.74	< 10	< 1	0.53	10	0.47	145	< 1
71-0150	244 229	< 0.2	1.89	114	110	1.0	< 2	0.05	1.0	13	180	57	4.22	< 10	< 1	0.79	10	0.43	230	< 1
71-0160	244 229	< 0.2	1.33	306	80	0.5	< 2	0.04	1.5	6	118	58	3.81	< 10	< 1	0.73	10	0.45	215	1
71-0175	244 229	< 0.2	0.74	184	40	0.5	< 2	0.08	0.5	11	85	47	2.84	< 10	< 1	0.38	10	0.30	345	2
71-0190	244 229	< 0.2	1.37	170	70	0.5	< 2	0.18	0.5	14	109	38	3.43	< 10	1	0.76	10	0.69	305	1
71-0215	244 229	< 0.2	0.68	80	30	< 0.5	< 2	0.38	< 0.5	8	103	35	2.68	< 10	< 1	0.34	10	0.50	315	< 1
71-0230	244 229	< 0.2	0.95	40	60	0.5	< 2	0.21	< 0.5	13	84	38	3.46	< 10	< 1	0.45	10	0.67	360	< 1
71-0245	244 229	< 0.2	0.90	260	70	0.5	< 2	0.39	< 0.5	18	97	65	4.58	< 10	1	0.48	20	0.90	460	1
71-0255	244 229	< 0.2	0.88	332	40	0.5	< 2	0.12	1.0	13	110	41	2.58	< 10	< 1	0.43	20	0.47	225	2
71-0270	244 229	< 0.2	1.64	372	100	0.5	< 2	0.32	< 0.5	16	97	42	3.82	< 10	< 1	0.97	20	0.95	340	< 1
71-0285	244 229	< 0.2	1.33	106	70	0.5	< 2	0.35	< 0.5	11	111	41	3.40	< 10	< 1	0.68	20	0.74	285	1
71-0300	244 229	< 0.2	1.47	160	90	0.5	< 2	0.25	< 0.5	15	114	63	3.90	< 10	< 1	0.85	10	0.84	270	1
71-0310	244 229	< 0.2	1.86	178	110	1.0	< 2	0.47	< 0.5	16	102	43	3.97	< 10	< 1	1.12	10	1.10	320	< 1
71-0325	244 229	< 0.2	1.60	278	130	0.5	< 2	0.31	< 0.5	13	98	40	3.95	< 10	< 1	0.82	10	0.87	355	1
71-0340	244 229	0.2	1.79	462	90	1.0	< 2	0.49	1.0	13	93	73	3.96	10	< 1	1.03	10	1.01	215	2
71-0365	244 229	< 0.2	0.88	368	60	0.5	< 2	0.83	0.5	15	61	57	4.38	< 10	< 1	0.52	10	1.23	400	2
71-0380	244 229	< 0.2	0.81	28	50	0.5	< 2	0.41	< 0.5	11	73	27	2.95	< 10	< 1	0.44	10	0.73	285	1
71-0395	244 229	< 0.2	0.76	374	40	0.5	< 2	0.49	0.5	12	88	38	2.78	< 10	< 1	0.44	10	0.69	205	1
71-0405	244 229	< 0.2	0.99	170	70	0.5	< 2	0.32	< 0.5	12	89	34	2.95	< 10	< 1	0.55	10	0.68	220	1
71-0435	244 229	0.6	0.43	534	30	< 0.5	< 2	0.70	1.0	9	69	103	3.68	< 10	< 1	0.25	10	0.60	575	2

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

Client: IVANHOE GOLDFIELDS LTD.

1900 - 355 BARRARD ST.
 VANCOUVER, BC
 V6C 2G8

Project: DGRC 93-065
 Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

Page Number: 1-B
 Total Pages: 1
 Certificate Date: 04-AUG-93
 Invoice No.: 19318177
 P.O. Number: 31814
 Account: KXX

CERTIFICATE OF ANALYSIS A9318177

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Sn ppm
71-0040	244 229	0.01	31	170	16	< 2	3	19	0.03	< 10	< 10	27	< 10	428	-----
71-0065	244 229	0.02	18	240	12	< 2	3	45	0.07	< 10	< 10	39	< 10	300	-----
71-0080	244 229	0.01	43	200	12	< 2	4	18	0.06	< 10	< 10	36	< 10	428	< 2
71-0095	244 229	0.02	14	180	6	< 2	4	19	0.08	< 10	< 10	38	< 10	144	-----
71-0105	244 229	0.01	13	170	10	< 2	3	18	0.06	< 10	< 10	29	< 10	318	-----
71-0120	244 229	0.02	13	220	20	< 2	6	48	0.11	< 10	< 10	55	< 10	272	< 2
71-0135	244 229	0.02	10	100	6	< 2	3	12	0.06	< 10	< 10	27	< 10	82	-----
71-0150	244 229	0.03	51	130	14	< 2	4	16	0.03	< 10	< 10	36	< 10	422	-----
71-0160	244 229	0.03	20	220	6	< 2	3	28	0.05	< 10	< 10	33	< 10	372	< 2
71-0175	244 229	0.01	31	210	8	< 2	3	20	0.02	< 10	< 10	31	< 10	220	-----
71-0190	244 229	0.03	33	190	8	< 2	3	21	0.06	< 10	< 10	32	< 10	124	-----
71-0215	244 229	0.02	21	150	8	< 2	2	25	0.02	< 10	< 10	19	< 10	70	< 2
71-0230	244 229	0.01	32	180	6	2	3	26	0.02	< 10	< 10	27	< 10	104	-----
71-0245	244 229	0.01	50	230	10	6	4	41	0.02	< 10	< 10	26	< 10	146	-----
71-0255	244 229	0.01	35	150	8	2	3	23	0.02	< 10	< 10	25	< 10	84	< 2
71-0270	244 229	0.02	39	210	14	< 2	4	22	0.08	< 10	< 10	43	< 10	96	-----
71-0285	244 229	0.02	33	200	6	< 2	3	28	0.07	< 10	< 10	35	< 10	88	-----
71-0300	244 229	0.02	40	250	8	< 2	4	17	0.09	< 10	< 10	44	< 10	66	< 2
71-0310	244 229	0.02	40	240	8	< 2	5	33	0.10	< 10	< 10	51	< 10	80	-----
71-0325	244 229	0.02	35	200	10	< 2	4	26	0.08	< 10	< 10	37	< 10	102	-----
71-0340	244 229	0.02	38	210	8	2	4	47	0.10	< 10	< 10	39	< 10	94	< 2
71-0365	244 229	0.01	36	260	4	4	3	83	0.02	< 10	< 10	22	< 10	68	-----
71-0380	244 229	0.01	26	200	8	< 2	2	33	0.03	< 10	< 10	20	< 10	60	-----
71-0395	244 229	0.01	31	210	8	< 2	2	34	0.02	< 10	< 10	17	< 10	48	< 2
71-0405	244 229	0.02	31	240	8	2	3	26	0.04	< 10	< 10	24	< 10	76	-----
71-0435	244 229	< 0.01	33	280	26	4	1	36	< 0.01	< 10	< 10	6	< 10	80	-----

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

Client: IVANHOE GOLDFIELDS LTD.
1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Page Number : 1-A
Total Pages : 1
Certificate Date: 09-AUG-93
Invoice No. : 19318178
P.O. Number : 31820
Account : KXX

Project : DUBLIN GULCH
Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

CERTIFICATE OF ANALYSIS A9318178

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
71-0450	244 229	< 0.2	1.35	142	100	< 0.5	< 2	0.58	< 0.5	15	123	78	4.18	< 10	< 1	0.67	10	0.86	360	4
71-0460	244 229	< 0.2	1.58	148	100	< 0.5	4	0.59	< 0.5	12	157	72	3.23	< 10	< 1	0.76	20	0.87	270	1
71-0475	244 229	< 0.2	1.05	574	70	< 0.5	2	0.55	< 0.5	9	136	51	3.06	< 10	< 1	0.49	10	0.70	295	1
71-0490	244 229	0.2	0.96	58	40	< 0.5	4	0.83	< 0.5	9	223	42	2.43	< 10	< 1	0.21	20	0.55	305	1

CERTIFICATION: Hart Bichler



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212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

Client: IVANHOE GOLDFIELDS LTD.
1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Page Number: 1-B
Total Pages: 1
Certificate Date: 09-AUG-93
Invoice No.: 19318178
P.O. Number: 31820
Account: KXX

Project: DUBLIN GULCH
Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

CERTIFICATE OF ANALYSIS A9318178

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	Sn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
71-0450	244	229	0.02	36	240	14	2	3	39	0.03	< 10	< 10	30	< 10	62	-----
71-0460	244	229	0.03	28	210	14	< 2	4	43	0.05	< 10	< 10	33	< 10	62	-----
71-0475	244	229	0.02	27	200	30	2	3	39	0.03	< 10	< 10	25	< 10	118	< 2
71-0490	244	229	0.01	20	190	14	2	3	45	< 0.01	< 10	< 10	19	< 10	44	-----

CERTIFICATION: Hart Bechler



Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BARRARD ST.
VANCOUVER, BC
V6C 2G8

Project: DGRG 93-065
Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

Page Number : 1
Total Pages : 1
Certificate Date: 22-JUL-93
Invoice No. : 19317190
P.O. Number : 31814
Account : KXX

CERTIFICATE OF ANALYSIS A9317190

SAMPLE	PREP CODE	Weight Kg	Au oz/T	Au g/t calc.									
71-0040	208 277	16.58	< 0.001	< 0.03									
71-0052	208 277	10.92	< 0.001	< 0.03									
71-0065	208 277	17.04	< 0.001	< 0.03									
71-0080	208 277	12.96	< 0.001	< 0.03									
71-0095	208 277	15.66	< 0.001	< 0.03									
71-0101	214 --	-----	< 0.006	< 0.21									
71-0105	208 277	15.67	< 0.001	< 0.03									
71-0120	208 277	10.42	< 0.001	< 0.03									
71-0135	208 277	12.38	< 0.001	< 0.03									
71-0150	208 277	15.14	< 0.001	< 0.03									
71-0160	208 277	11.72	< 0.001	< 0.03									
71-0175	208 277	13.88	< 0.001	< 0.03									
71-0190	208 277	15.22	< 0.001	< 0.03									
71-0201	214 --	-----	< 0.006	< 0.21									
71-0202	208 277	24.00	< 0.001	< 0.03									
71-0215	208 277	17.58	< 0.001	< 0.03									
71-0230	208 277	17.12	< 0.001	< 0.03									
71-0245	208 277	16.24	0.002	0.07									
71-0255	208 277	13.44	< 0.001	< 0.03									
71-0270	208 277	15.68	< 0.001	< 0.03									
71-0285	208 277	16.68	< 0.001	< 0.03									
71-0300	208 277	16.14	< 0.001	< 0.03									
71-0301	214 --	-----	< 0.001	< 0.03									
71-0310	208 277	16.74	< 0.001	< 0.03									
71-0325	208 277	17.58	< 0.001	< 0.03									
71-0340	208 277	19.72	< 0.001	< 0.03									
71-0352	208 277	3.74	< 0.001	< 0.03									
71-0365	208 277	18.64	< 0.001	< 0.03									
71-0380	208 277	15.30	< 0.001	< 0.03									
71-0395	208 277	15.74	< 0.001	< 0.03									
71-0401	214 --	-----	< 0.001	< 0.03									
71-0405	208 277	19.00	< 0.001	< 0.03									
71-0420	208 277	15.10	< 0.001	< 0.03									
71-0435	208 277	16.66	< 0.001	< 0.03									

CERTIFICATION:

Mark Vank

07/29/93 10:13 9604 987 7140 IVANHOE CAPITAL 005-012



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURHARD ST.
VANCOUVER, BC
V6C 2G8

Project : DGRC 93-071
Comments: ATTN: JOE KAJSZO CC: TONY HITCHINS

Page Number : 1
Total Pages : 1
Certificate Date: 26-JUL-93
Invoice No. : 19317523
P.O. Number : 31820
Account : KXX

CERTIFICATE OF ANALYSIS A9317523

SAMPLE	PREP CODE	Weight Kg	Au oz/T	Au g/t calc.								
71-0450	208 277	14.90	< 0.001	< 0.03								
71-0460	208 277	15.44	< 0.001	< 0.03								
71-0475	208 277	21.96	< 0.001	< 0.03								
71-0490	208 277	13.52	< 0.001	< 0.03								

CERTIFICATION:

07/29/93

10:14

2804 687 7110

IVANHOE CAPITAL

0006/012

APPENDIX V

STATEMENT OF COSTS

STATEMENT OF COSTS

REVERSE CIRCULATION DRILLING

- Hole DG93-70 drilled on SMOKY 4, YA17933 July 3-5, 1993		
Drilling	- Midnight Sun Invoices 118, 119, 120, 121.	\$22,256.98
Assay	- Chemex Invoices I9318174, I9318175, I9317193.	3,059.75
Shipping	- 3D Transport Invoice 4805/4806 (50%).	534.47
Supervision	- Geologist, 3 man days @ 200.00/day.	600.00
Camp Costs	- 12 man days @ 50.00/day.	<u>600.00</u>
		\$27,051.20
- Hole D693-71 drilled on SMOKY 3, YA 17932 July 5-6, 1993.		
Drilling	- Midnight Sun Invoices 122, 123, 124, 159, 099 (prorated).	\$14,850.00
Assay	- Chemex Invoice I9317190, I9318177, I9318178.	761.32
Shipping	- 3D Transport Invoice 4805/4806 (50%).	534.47
Supervision	- Geologist, 4 man days @ \$200.00/day.	800.00
Camp Costs	- 16 man days @ \$50.00/day.	<u>800.00</u>
		\$17,745.79
- Trench 459075E excavated on SMOKY 96F, YA 43133 June 29-July 4, 1993.		
Excavator	- Dublin Gulch Mining Invoice (54 1/2 hrs @ \$165/hr.)	\$8,992.50
Assay	- Chemex Invoices I9317215, I9316958.	3,536.90
Shipping	- 3D Transport Invoice #4814 (50%).	494.88
Supervision	- Geologist, 6 man days @ \$200.00/day.	1,200.00
Camp Cost	- 6 man days @ \$50/day.	<u>300.00</u>
		\$14,524.28

MIDNIGHT SUN DRILLING CO. LTD.

GST #R103683595
13 MacDonald Road
WHITEHORSE, Y.T. Y1A 4L1

INVOICE 000118

CUSTOMER NO. IVANHO

(403) 633-3070 Fax (403) 633-5758

SOLD TO: Tony Hitchens
Ivanhoe Goldfields Ltd.
1900 355 Burrard St.
Vancouver, B.C
V6C 2G8

SHIP TO: SAME

DATE		SHIP VIA		F.O.B.		TERMS	
07-19-93						Net 30 days	
PURCHASE ORDER NUMBER		ORDER DATE		SALES PERSON		OUR ORDER NUMBER	
		07-03-93		Ruth		6588	
QTY. ORDERED	QTY. SHIPPED	QTY. B.O.	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRICE	
12	12 /		R8UNSCCHEDULED	Unscheduled Rig Time	260.00 /	3,120.00	
1	1 /		R8TF360	TF 360 Nodwell	300.00 /	300.00	
1	1 /		R8TF110	TF 110 Nodwell	200.00 /	200.00	
1	1 /		R8WATERTRUCK	Water Truck	300.00 /	300.00	
1	1 /		R8THIRDMAN	Third Man Bagging	150.00 /	150.00	
					Net amount	4,070.00	
					Discount		
					G.S.T.	284.90	
					Sales Tax		
					Shipping		
					Total due:	=====	
						\$4,354.90	

Approved for payment.
Tony Hitchens

Thank you

INVOICE 000119

MIDNIGHT SUN DRILLING CO. LTD.

GST #R103683595
 13 MacDonald Road
 WHITEHORSE, Y.T. Y1A 4L1

CUSTOMER NO. IVANHO

(403) 633-3070 Fax (403) 633-5758

SOLD TO: Tony Hitchens
 Ivanhoe Goldfields Ltd.
 1900 355 Burrard St.
 Vancouver, B.C
 V6C 2G8

SHIP TO: SAME

DATE	SHIP VIA	F.O.B.	TERMS
07-19-93			Net 30 days
PURCHASE ORDER NUMBER	ORDER DATE	SALES PERSON	OUR ORDER NUMBER
	07-03-93	Ruth	6589

QTY. ORDERED	QTY. SHIPPED	QTY. B.O.	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
37	37 ✓		R80DEXANGLE	ODEX Drilling - Angle	28.72	1,062.64
8	8 ✓		R8RCO-250ANGLE	LEC Drilling 0-250' Angle	11.50	92.00
7	7 ✓		R8UNSCHEDULED	Unscheduled Rig Time	260.00	1,820.00
1	1 ✓		R8TF360	TF 360 Nodwell	300.00	300.00
1	1 ✓		R8TF110	TF 110 Nodwell	200.00	200.00
1	1 ✓		R8WATERTRUCK	Water Truck	300.00	300.00
1	1 ✓		R8THIRDMAN	Third Man Bagging	150.00	150.00
1	1 ✓		R8WELDCASESHOE	Elded Casing Shoe	160.00	160.00

Approved for payment
Tony Hitchens

Net amount	4,084.64
Discount	
G.S.T.	285.92
Sales Tax	
Shipping	
Total due:	4,370.56

Thank You

INVOICE 000120

MIDNIGHT SUN DRILLING CO. LTD.

GST #R103683595
13 MacDonald Road
WHITEHORSE, Y.T. Y1A 4L1

CUSTOMER NO. IVANHO

(403) 633-3070 Fax (403) 633-5758

SOLD TO: Tony Hitchens
Ivanhoe Goldfields Ltd.
1900 355 Burrard St.
Vancouver, B.C
V6C 2G8

SHIP TO: SAME

DATE	SHIP VIA	F.O.B.	TERMS
07-19-93			Net 30 days
PURCHASE ORDER NUMBER	ORDER DATE	SALES PERSON	OUR ORDER NUMBER
	07-04-93	Ruth	6590

QTY. ORDERED	QTY. SHIPPED	QTY. B.O.	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
205	205 ✓		R8RC0-250ANGLEC	Drilling 0-250' Angle	✓ 11.50	2,357.50
155	155 ✓		R8RC250-500ANGC	Drilling 250-500 Angle	✓ 13.39	2,075.45
1	1 ✓		R8TF360	TF 360 Nodwell	✓ 300.00	300.00
1	1 ✓		R8TF110	TF 110 Nodwell	✓ 200.00	200.00
1	1 ✓		R8WATERTRUCK	Water Truck	✓ 300.00	300.00
1	1 ✓		R8THIRDMAN	Third Man Bagging	✓ 150.00	150.00

*Approved for payment
Tony Hitchens*

Net amount	5,382.95
Discount	
G.S.T.	376.81
Sales Tax	
Shipping	
Total due:	\$5,759.76

Thank You

MIDNIGHT SUN DRILLING CO. LTD.

GST #R103683595
 13 MacDonald Road
 WHITEHORSE, Y.T. Y1A 4L1

INVOICE 000121

CUSTOMER NO. IVANHO

(403) 633-3070 Fax (403) 633-5758

SOLD TO: Tony Hitchens
 Ivanhoe Goldfields Ltd.
 1900 355 Burrard St.
 Vancouver, B.C
 V6C 2G8

SHIP TO: SAME

DATE	SHIP VIA	F.O.B.	TERMS
07-19-93			Net 30 days
PURCHASE ORDER NUMBER	ORDER DATE	SALES PERSON	OUR ORDER NUMBER
	07-04-93	Ruth	6591

QTY. ORDERED	QTY. SHIPPED	QTY. B.O.	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
95	95 ✓		R8RC250-500ANGC	Drilling 250-500 Angle	✓ 13.39	1,272.05
10	10 ✓		R8RC500-700ANGC	Drilling 500-700' Angle	✓ 17.22	172.20
1	1 ✓		R8TF360	TF 360 Nodwell	✓ 300.00	300.00
1	1 ✓		R8TF110	TF 110 Nodwell	✓ 200.00	200.00
1	1 ✓		R8WATERTRUCK	Water Truck	✓ 300.00	300.00
1	1 ✓		R8THIRDMAN	Third Man Bagging	✓ 150.00	150.00
37	37 ✓		R8WELDEDCASING	5/8" Welded Casing	✓ 10.50	388.50

Approved for payment
Tony Hitchens

Net amount	2,782.75
Discount	
G.S.T.	194.79
Sales Tax	
Shipping	
Total due:	\$2,977.54

Thank you

MIDNIGHT SUN DRILLING CO. LTD.
 GST #R103683595
 13 MacDonald Road
 WHITEHORSE, Y.T. Y1A 4L1

INVOICE 000122
 CUSTOMER NO. IVANHO

(403) 633-3070 Fax (403) 633-5758

SOLD TO: Tony Hitchins
 Ivanhoe Goldfields Ltd.
 1900 355 Burrard St.
 Vancouver, B.C
 V6C 2B8

SHIP TO:
 SAME

DATE	SHIP VIA	F.O.B.	TERMS
07-19-93			Net 30 days
PURCHASE ORDER NUMBER	ORDER DATE	SALES PERSON	OUR ORDER NUMBER
	07-05-93	Ruth	6592

QTY. ORDERED	QTY. SHIPPED	QTY. B.O.	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
20	20 ✓		R80DEXANGLE	ODEX Drilling - Angle ✓	28.72	574.40
1	1 ✓		R8UNSCHEDULED	Unscheduled Rig Time ✓	260.00	260.00
1	1 ✓		R8TF360	TF 360 Nodwell ✓	300.00	300.00
1	1 ✓		R8TF110	TF 110 Nodwell ✓	200.00	200.00
1	1 ✓		R8WATERTRUCK	Water Truck ✓	300.00	300.00
1	1 ✓		R8THIRDMAN	Third Man Bagging ✓	150.00	150.00
1	1 ✓		R8WELDCASESHOE	elded Casing Shoe ✓	160.00	160.00

Approved for payment

Net amount	1,944.40
Discount	
G.S.T.	136.11
Sales Tax	
Shipping	
Total due:	===== \$2,080.51

Thank You

MIDNIGHT SUN DRILLING CO. LTD.

GST #R103683595
 13 MacDonald Road
 WHITEHORSE, Y.T. Y1A 4L1

INVOICE 000123

CUSTOMER NO. IVANHO

(403) 633-3070 Fax (403) 633-5758

SOLD TO: Tony Hitchins
 Ivanhoe Goldfields Ltd.
 1900 355 Burrard St.
 Vancouver, B.C
 V6C 2G8

SHIP TO:
 SAME

DATE		SHIP VIA		F.O.B.		TERMS	
07-19-93						Net 30 days	
PURCHASE ORDER NUMBER		ORDER DATE		SALES PERSON		OUR ORDER NUMBER	
		07-05-93		Ruth		6593	
QTY. ORDERED	QTY. SHIPPED	QTY. B.O.	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRICE	
7	7	/	R80DEXANGLE	ODEX Drilling - Angle	✓ 28.72	201.04	
178	178	/	R8RC0-250ANGLE	LEC Drilling 0-250' Angle	✓ 11.50	2,047.00	
1	1	/	R8TF360	TF 360 Nodwell	✓ 300.00	300.00	
1	1	/	R8TF110	TF 110 Nodwell	✓ 200.00	200.00	
1	1	/	R8WATERTRUCK	Water Truck	✓ 300.00	300.00	
1	1	/	R8THIRDMAN	Third Man Bagging	✓ 150.00	150.00	
						Net amount 3,198.04 Discount G.S.T. 223.86 Sales Tax Shipping ===== Total due: \$3,421.90	

Approved for payment

Thank You

MIDNIGHT SUN DRILLING CO. LTD.

GST #R103683595
 13 MacDonald Road
 WHITEHORSE, Y.T. Y1A 4L1

INVOICE 000124

CUSTOMER NO. IVANHO

(403) 633-3070 Fax (403) 633-5758

OLD TO: Tony Hitchins
 Ivanhoe Goldfields Ltd.
 1900 355 Burrard St.
 Vancouver, B.C
 V6C 2G8

SHIP TO: SAME

DATE	SHIP VIA	F.O.B.	TERMS
07-19-93			Net 30 days

PURCHASE ORDER NUMBER	ORDER DATE	SALES PERSON	OUR ORDER NUMBER
	07-06-93	Ruth	6594

QTY. ORDERED	QTY. SHIPPED	QTY. B.O.	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
45	45 ✓		R8RC0-250ANGLE	Drilling 0-250' Angle	✓ 11.50	517.50
195	195 ✓		R8RC250-500ANGC	Drilling 250-500 Angle	✓ 13.39	2,611.05
1	1 ✓		R8TF360	TF 360 Nodwell	✓ 300.00	300.00
1	1 ✓		R8TF110	TF 110 Nodwell	✓ 200.00	200.00
1	1 ✓		R8WATERTRUCK	Water Truck	✓ 300.00	300.00
1	1 ✓		R8THIRDMAN	Third Man Bagging	✓ 150.00	150.00

Approved for payment
Tony Hitchins

Net amount	4,078.55
Discount	
G.S.T.	285.50
Sales Tax	
Shipping	
Total due:	\$4,364.05

Thank You

MIDNIGHT SUN DRILLING CO. LTD.

GST #R103683595
 15 MacDonald Road
 WHITEHORSE, Y.T. Y1A 4L1

INV DICE 000099

CUSTOMER NO. IVANHO

(403) 633-3070 Fax (403) 633-5758

SOLD TO: Tony Hitchins
 Ivanhoe Goldfields Ltd.
 1900 355 Burrard St.
 Vancouver, B.C
 V6C 2B8

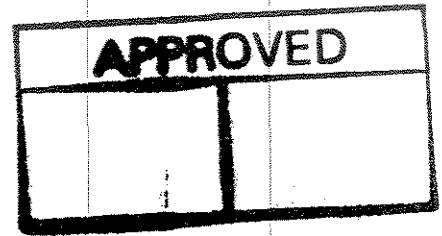
SHIP TO: SAME

DATE	SHIP VIA	F.O.B.	TERMS
06-17-93			Net 30 days

PURCHASE ORDER NUMBER	ORDER DATE	SALES PERSON	OUR ORDER NUMBER
Drill Contra	06-11-93	Ruth	6551

QTY. ORDERED	QTY. SHIPPED	QTY. B.O.	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1	1	0		Mobilization of first rig ✓	10383.00	10,383.00
2	2	0		Walking nodwell uphill ✓	260.00	520.00
1	1	0		360 nodwell/shift ✓	300.00	300.00
1	1	0		110 nodwell day rate ✓	200.00	200.00
1	1	0		4X4 International shift ✓	300.00	300.00
1	1	0		Third man ✓	150.00	150.00
1	1	0		Casing shoe ✓	160.00	160.00
47	47	0		Odex drilling ✓	27.35	1,285.45

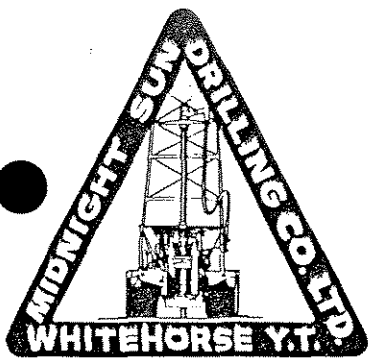
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RECEIVED JUN 24 1993
COPY

Net amount	13,298.45
Discount	
G.S.T.	930.89
Sales Tax	
Shipping	
Total due:	\$14,229.34

Thank You



STATEMENT

PHONE (403) 633-3070
FAX 633-5758

#13 MacDONALD ROAD
WHITEHORSE, YUKON
Y1A 4L1

31-Jul-93 IVANHO

Page 3

Tony Hitchins
Ivanhoe Goldfields Ltd.
1900 355 Burrard St.
Vancouver, B.C
V6C 2G8

Date	Inv.	Descptn	
30-Jul-93	000170	Invoice	50,401.77

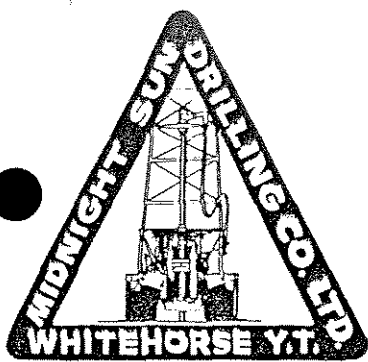
188,063.22 1900.61

Current	30-59 Days	60-89 Days	90+ Days
127,318.38	111,146.61		

\$238,464.99

ADDITIONAL COMPUTATIONS
31,861.27
GST
2,230.30

34,091.56
MIDNIGHT 2000



STATEMENT

PHONE (403) 633-3070
FAX 633-5758

#13 MacDONALD ROAD
WHITEHORSE, YUKON
Y1A 4L1

31-Jul-93 . IVANHO

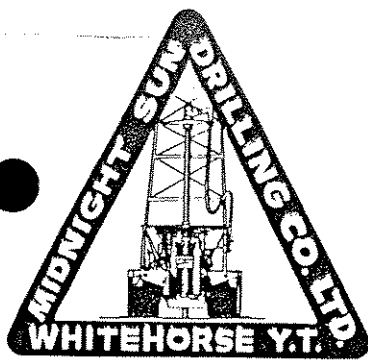
Page 1

Tony Hitchins
Ivanhoe Goldfields Ltd.
1900 355 Burrard St.
Vancouver, B.C
V6C 2B8

Date	Inv.	Descptn	
17-Jun-93	000099	Invoice	14,229.34 -
28-Jul-93	Ck 775	Payment	14,229.34 -
17-Jun-93	000100	Invoice	2,716.30 -
28-Jul-93	Ck 775	Payment	2,716.30 -
17-Jun-93	000101	Invoice	6,426.96 -
28-Jul-93	Ck 775	Payment	6,426.96 -
17-Jun-93	000102	Invoice	2,926.45 -
28-Jul-93	Ck 775	Payment	2,926.45 -
17-Jun-93	000103	Invoice	3,792.08 -
28-Jul-93	Ck 775	Payment	3,792.08 -
30-Jun-93	000125	Invoice	4,747.42 ✓
30-Jun-93	000126	Invoice	6,323.48 -
30-Jun-93	000127	Invoice	3,565.08 -
30-Jun-93	000128	Invoice	4,148.22 -
30-Jun-93	000129	Invoice	5,921.54 -
30-Jun-93	000130	Invoice	5,040.07 -
30-Jun-93	000131	Invoice	3,993.78 -
30-Jun-93	000132	Invoice	3,178.16 -
30-Jun-93	000133	Invoice	6,303.74 -
30-Jun-93	000134	Invoice	3,821.13 -
30-Jun-93	000135	Invoice	4,005.01 -
30-Jun-93	000136	Invoice	1,634.43 -
30-Jun-93	000137	Invoice	1,465.90
30-Jun-93	000138	Invoice	1,187.70 -
30-Jun-93	000139	Invoice	1,016.50 -
30-Jun-93	000140	Invoice	4,877.06 -
30-Jun-93	000141	Invoice	3,062.88 -
30-Jun-93	000142	Invoice	2,936.62 -
30-Jun-93	000143	Invoice	6,421.16 -
30-Jun-93	000144	Invoice	5,360.70 -

278.20

Current 30-59 Days 60-89 Days 90+ Days



STATEMENT

PHONE (403) 633-3070
FAX 633-5758

#13 MacDONALD ROAD
WHITEHORSE, YUKON
Y1A 4L1

31-Jul-93 IVANHO

Page 2

Tony Hitchins
Ivanhoe Goldfields Ltd.
1900 355 Burrard St.
Vancouver, B.C
V6C 2G8

Date	Inv.	Descptn	
30-Jun-93	000145	Invoice	5,502.58-
30-Jun-93	000146	Invoice	3,763.73 - 3046.82
30-Jun-93	000147	Invoice	2,621.50-
30-Jun-93	000148	Invoice	4,222.39-
30-Jun-93	000149	Invoice	3,856.28-
30-Jun-93	000150	Invoice	3,586.11-
30-Jun-93	000151	Invoice	3,754.90-
30-Jun-93	000152	Invoice	4,628.55-
19-Jul-93	000114	Invoice	3,469.48-
19-Jul-93	000115	Invoice	5,573.10-
19-Jul-93	000116	Invoice	4,402.52-
19-Jul-93	000117	Invoice	4,235.22-
19-Jul-93	000118	Invoice	4,354.90-
19-Jul-93	000119	Invoice	4,370.56-
19-Jul-93	000120	Invoice	5,759.76-
19-Jul-93	000121	Invoice	2,977.54-
19-Jul-93	000122	Invoice	2,080.51-
19-Jul-93	000123	Invoice	3,421.90-
19-Jul-93	000124	Invoice	4,364.05-
30-Jul-93	000159	Invoice	2,107.85-
30-Jul-93	000160	Invoice	5,349.36-
30-Jul-93	000161	Invoice	4,096.87-
30-Jul-93	000162	Invoice	5,040.07-
30-Jul-93	000163	Invoice	3,145.59-
30-Jul-93	000164	Invoice	8,093.05-
30-Jul-93	000165	Invoice	4,116.18-
30-Jul-93	000166	Invoice	199.98-
30-Jul-93	000167	Credit memo	1,187.70-
30-Jul-93	000168	Invoice	1,662.72-
30-Jul-93	000169	Credit memo	716.90-

Current 30-59 Days 60-89 Days 90+ Days

SOIL TESTING, PLACER DRILLING, WATER WELLS

#5



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

INVOICE NUMBER

I 9 3 1 8 1 7 4

BILLING INFORMATION

Date: 10-AUG-93
Project: DUBLIN GULCH
P.O. No.: 31819
Account: KXX

Comments: BLT93444V

Billing: For analysis performed on
Certificate A9318174

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

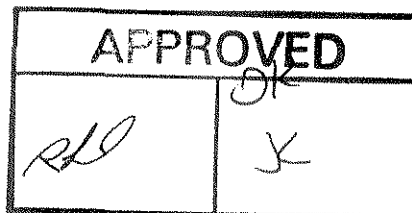
Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
3	244 - Pulp; prev. prepared at Chemex ICP-32 High grade scan	0.00 8.05		
	19 - Sn ppm	5.00	13.05	39.15
3	244 - Pulp; prev. prepared at Chemex ICP-32 High grade scan	0.00 8.05		
	19 - Sn ppm	5.00		
	320 - Cd %	10.00	23.05	69.15
1	244 - Pulp; prev. prepared at Chemex A-3 Cu,Pb,Zn assay group ICP-32 High grade scan	0.00 16.50 8.05		
	19 - Sn ppm	5.00	29.55	29.55
8	244 - Pulp; prev. prepared at Chemex ICP-32 High grade scan	0.00 8.05		
	301 - Cu %	7.50		
	19 - Sn ppm	5.00	20.55	164.40

Total Cost \$	302.25
Client Discount \$	-105.79
Net Cost \$	196.46
(Reg# R100938885) GST \$	13.75

TOTAL PAYABLE (CDN) \$ 210.21



RECEIVED ... 2 1993

#6

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

INVOICE NUMBER

I 9 3 1 8 1 7 5

BILLING INFORMATION

Date: 6-AUG-93
Project: DUBLIN GULCH
P.O. No.: 31819
Account: KXX

Comments: BLT93444V

Billing: For analysis performed on
Certificate A9318175

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
86	244 - Pulp; prev. prepared at Chemex ICP-32	0.00 6.25		
	19 - Sn ppm	5.00	11.25	967.50

Total Cost \$	967.50
Client Discount \$	<u>-338.63</u>
Net Cost \$	628.87
(Reg# R100938885) GST \$	<u>44.02</u>
TOTAL PAYABLE (CDN) \$	672.89

APPROVED	
<i>RLL</i>	<i>OK</i> <i>JK</i>

RECEIVED AUG 06 1993



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
 VANCOUVER, BC
 V6C 2G8

INVOICE NUMBER

I 9 3 1 7 1 9 3

BILLING INFORMATION

Date: 27-JUL-93
 Project: DUBLIN GULCH
 P.O. No.: 31819 *93-070*
 Account: KXX
 Comments: BLT93444V

Billing: For analysis performed on
 Certificate A9317193

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
 212 Brooksbank Ave.,
 North Vancouver, B.C.
 Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
5	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	274 - 0-15 lb crush and split	3.05		
	286 - Drying charge (0-15 pounds)	0.00		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	21.60	108.00
66	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	273 - 26-35 lb crush and split	6.95		
	223 - Drying charge (26-35 pounds)	0.00		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	25.50	1683.00
14	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	270 - 36-50 lb crush and split	7.82*		
	269 - Drying charge (36-50 pounds)	0.00		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	26.37	369.18
15	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	276 - 16-25 lb crush and split	5.25		
	245 - Drying charge (16-25 pounds)	0.00		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	23.80	357.00
5	214 - Rcvd as pulp; mesh size checked	0.30		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	10.80	54.00

* Not Subject to Discount

Invoice continued on next page →



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

o: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
 VANCOUVER, BC
 V6C 2G8

INVOICE NUMBER

I 9 3 1 7 1 9 3

BILLING INFORMATION

Date: 27-JUL-93
 Project: DUBLIN GULCH
 P.O. No.: 31819
 Account: KXX

Comments: BLT93444V

Billing: For analysis performed on
 Certificate A9317193

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
 212 Brooksbank Ave.,
 North Vancouver, B.C.
 Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
1	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	276 - 16-25 lb crush and split	5.25		
	245 - Drying charge (16-25 pounds)	0.00		
	234 - Splitting charge	1.55		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	25.35	25.35
3	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	273 - 26-35 lb crush and split	6.95		
	223 - Drying charge (26-35 pounds)	0.00		
	234 - Splitting charge	1.55		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	27.05	81.15
2	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	273 - 26-35 lb crush and split	6.95		
	223 - Drying charge (26-35 pounds) Ag, Pb, Zn assay package	0.00		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	42.00	84.00
	2	208 - Assay ring to approx 150 mesh	2.10	
277 - 6-10 lb crush -80 mesh		5.95		
276 - 16-25 lb crush and split		5.25		
245 - Drying charge (16-25 pounds) Ag, Pb, Zn assay package		0.00		
1433 - Weight Kg		0.00		
998 - Au oz/T		10.50		
1800 - Au g/t calc.		0.00	40.30	80.60

* Not Subject to Discount

Invoice continued on next page -->



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

INVOICE NUMBER

I 9 3 1 7 1 9 3

BILLING INFORMATION

Date: 27-JUL-93
Project: DUBLIN GULCH
P.O. No.: 31819
Account: KXX

Comments: BLT93444V

Billing: For analysis performed on
Certificate A9317193

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.

212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
1	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	✓ 274 - 0-15 lb crush and split	3.05		
	286 - Drying charge (0-15 pounds)	0.00		
	Ag, Pb, Zn assay package	16.50		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	38.10	38.10
1	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	278 - Crush and split (51-80 pounds)	14.00		
	✓ 279 - Drying charge (51-80 pounds)	0.00		
	Ag, Pb, Zn assay package	16.50		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	49.05	49.05
3	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	✓ 270 - 36-50 lb crush and split	7.82*		
	269 - Drying charge (36-50 pounds)	0.00		
	Ag, Pb, Zn assay package	16.50		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	42.87	128.61

Total Cost \$ 3058.04
Client Discount \$ -1023.79

Net Cost \$ 2034.25
(Reg# R100938885) GST \$ 142.40

TOTAL PAYABLE (CDN) \$ 2176.65

Doug Williams
001-501095

* Not Subject to Discount



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BARRARD ST.
 VANCOUVER, BC
 V6C 2G8

INVOICE NUMBER

I 9 3 1 7 1 9 0

BILLING INFORMATION

Date: 23-JUL-93
 Project: DGRC 93-065 *93-071*
 P.O. No.: 31814 *31820*
 Account: KXX

Comments: BLT93444V

Billing: For analysis performed on
 Certificate A9317190

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
 212 Brooksbank Ave.,
 North Vancouver, B.C.
 Canada V7J 2C1

*every 3rd
 sample analysed*

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
11	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	270 - 36-50 lb crush and split	7.82*		
	269 - Drying charge (36-50 pounds)	0.00		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	26.37	290.07
3	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	276 - 16-25 lb crush and split	5.25		
	245 - Drying charge (16-25 pounds)	0.00		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	23.80	71.40
14	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	273 - 26-35 lb crush and split	6.95		
	223 - Drying charge (26-35 pounds)	0.00		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	25.50	357.00
4	214 - Rcvd as pulp; mesh size checked	0.30		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	10.80	43.20
1	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush -80 mesh	5.95		
	278 - Crush and split (51-80 pounds)	14.00		
	279 - Drying charge (51-80 pounds)	0.00		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	32.55	32.55

* Not Subject to Discount

Invoice continued on next page ->



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BARRARD ST.
 VANCOUVER, BC
 V6C 2G8

INVOICE NUMBER

19317190

BILLING INFORMATION

Date: 23-JUL-93
 Project: DGRC 93-065 *93-071*
 P.O. No.: 31614 *31820*
 Account: KXX

Comments: BLT93444V

Billing: For analysis performed on
 Certificate A9317190

Terms: Payment due on receipt of invoice
 1.25% per month (15% per annum)
 charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
 212 Brooksbank Ave.,
 North Vancouver, B.C.
 Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
1	208 - Assay ring to approx 150 mesh	2.10		
	277 - 6-10 lb crush 80 mesh	5.95		
	274 - 0-15 lb crush and split	3.05		
	286 - Drying charge (0-15 pounds)	0.00		
	1433 - Weight Kg	0.00		
	998 - Au oz/T	10.50		
	1800 - Au g/t calc.	0.00	21.60	21.60

Total Cost \$ 815.82
 Client Discount \$ -255.43

Net Cost \$ 560.39
 (Reg# R100938885) GST \$ 39.23

TOTAL PAYABLE (CDN) \$ 599.62

Approved for payment
Tony Kitchin
001-501095

* Not Subject to Discount

#8



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

INVOICE NUMBER **I 9 3 1 8 1 7 7**

BILLING INFORMATION

Date: 5-AUG-93
Project: DGRC 93-065
P.O. No.: 31814
Account: KXX

Comments: BLT93444V

Billing: For analysis performed on
Certificate A9318177

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
18	244 - Pulp; prev. prepared at Chemex ICP-32	0.00 6.25	6.25	112.50
8	244 - Pulp; prev. prepared at Chemex ICP-32	0.00 6.25		
	19 - Sn ppm	5.00	11.25	90.00

Total Cost \$	202.50
Client Discount \$	-70.88
Net Cost \$	131.62
(Reg# R100938885) GST \$	9.21
TOTAL PAYABLE (CDN) \$	140.83

J

APPROVED	
<i>RL</i>	<i>OK JS</i>

RECEIVED AUG 06 1993



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
 VANCOUVER, BC
 V6C 2G8

INVOICE NUMBER I 9 3 1 8 1 7 8

BILLING INFORMATION

Date: 9-AUG-93
 Project: DUBLIN GULCH
 P.O. No.: 31820
 Account: KXX

Comments: BLT93444V

Billing: For analysis performed on Certificate A9318178

Terms: Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
 212 Brooksbank Ave.,
 North Vancouver, B.C.
 Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
3	244 - Pulp; prev. prepared at Chemex ICP-32	0.00 6.25	6.25	18.75
1	244 - Pulp; prev. prepared at Chemex ICP-32	0.00 6.25		
	19 - Sn ppm	5.00	11.25	11.25
Total Cost \$				30.00
Client Discount \$				-10.50
Net Cost \$				19.50
(Reg# R100938885) GST \$				1.37
TOTAL PAYABLE (CDN) \$				20.87

APPROVED

RECEIVED AUG 12 1993



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

INVOICE NUMBER

I 9 3 1 7 2 1 5

BILLING INFORMATION

Date: 20-JUL-93
Project: DUBLIN GULCH
P.O. No.:
Account: KXX

Comments: BLT93444V

Billing: For analysis performed on
Certificate A9317215

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
59	258 - RUSH Assay ring approx 150 mesh	3.15		
	277 - 6-10 lb crush -80 mesh	5.95		
	292 - RUSH Crush and split (0-15 lbs)	4.60		
	286 - Drying charge (0-15 pounds)	0.00		
	1433 - Weight Kg	0.00		
	916 - Au oz/T RUSH	15.75		
	1800 - Au g/t calc.	0.00	29.45	1737.55
5	214 - Rcvd as pulp; mesh size checked	0.30		
	916 - Au oz/T RUSH	15.75		
	1800 - Au g/t calc.	0.00	16.05	80.25
13	258 - RUSH Assay ring approx 150 mesh	3.15		
	277 - 6-10 lb crush -80 mesh	5.95		
	292 - RUSH Crush and split (0-15 lbs)	4.60		
	286 - Drying charge (0-15 pounds)	0.00		
	1433 - Weight Kg	0.00		
	916 - Au oz/T RUSH	15.75		
	1800 - Au g/t calc.	0.00		
	13 - As ppm	5.00		
	23 - Bi ppm	1.10		
	287 - Special dig'n with organic ext'n	4.50	40.05	520.65

Invoice continued on next page -->



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

INVOICE NUMBER

I 9 3 1 7 2 1 5

BILLING INFORMATION

Date: 20-JUL-93
Project: DUBLIN GULCH
P.O. No.:
Account: KXX

Comments: BLT93444V

Billing: For analysis performed on
Certificate A9317215

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
3	258 - RUSH Assay ring approx 150 mesh	3.15		
	277 - 6-10 lb crush -80 mesh	5.95		
	292 - RUSH Crush and split (0-15 lbs)	4.60		
	286 - Drying charge (0-15 pounds)	0.00		
	234 - Splitting charge	1.55		
	1433 - Weight Kg	0.00		
	916 - Au oz/T RUSH	15.75		
	1800 - Au g/t calc.	0.00		
	13 - As ppm	5.00		
	23 - Bi ppm	1.10		
	287 - Special dig'n with organic ext'n	4.50	41.60	124.80
		Total Cost \$		2463.25
		Client Discount \$		<u>-862.14</u>
		Net Cost \$		1601.11
		(Reg# R100938885) GST \$		<u>112.08</u>
		TOTAL PAYABLE (CDN) \$		1713.19



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

INVOICE NUMBER

I 9 3 1 6 9 5 8

BILLING INFORMATION

Date: 14-JUL-93
Project: DUBLIN GULCH
P.O. No.:
Account: KXX

Comments: BLT93444V

Billing: For analysis performed on
Certificate A9316958

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
76	255 - RUSH Geo ring to approx 150 mesh	3.15		
	293 - RUSH Crush and split (16-25 lbs)	7.90		
	245 - Drying charge (16-25 pounds)	0.00		
	990 - Au ppb RUSH	11.95		
	13 - As ppm	5.00		
	23 - Bi ppm	1.10		
	287 - Special dig'n with organic ext'n	4.50	33.60	2553.60
3	214 - Rcvd as pulp; mesh size checked	0.30		
	990 - Au ppb RUSH	11.95		
	13 - As ppm	5.00		
	23 - Bi ppm	1.10		
	287 - Special dig'n with organic ext'n	4.50	22.85	68.55

Total Cost \$	2622.15
Client Discount \$	-917.75
Net Cost \$	1704.40
(Reg# R100938885) GST \$	119.31

TOTAL PAYABLE (CDN) \$ 1823.71

INVOICE

04796

SOLD TO:

3D TRANSPORT

15 Ketzka Road
Whitehorse, Yukon
Y1A 3V3
Phone: (403) 667-7051
Fax: (403) 633-5280

DATE August 2 1993

ORDER NUMBER ▶

TO: IVANHOE GOLDFIELDS

REPRESENTATIVE

ADDRESS:

TERMS ▶

VIA

FOR **GST R 109936575**

QUANTITY	DESCRIPTION	GST	PRICE	AMOUNT
JUNE 21	#1571 To CHEMEX LABS BTL - 475.00	51.87 ✓	792 87 ✓	792 87
JULY 2	# 219 From BYERS BTL - 123.94	11.35	773 29	966 16
	# 240 From CANADIAN AIR	1.05 ✓	16 05	982 21
JULY 3	# 4804/5519 To CHEMEX LABS BTL - 625.00	64.75 ✓	989 75 ✓	1971 96
JULY 4	# 1577 To MIDNIGHT SUN	1.05 ✓	16 05 ✓	1988 01
JULY 7	# 4805/4806 To CHEMEX LABS - BTL 675.00	69.93 ✓	1068 93 ✓	3056 94
JULY 9	# 1635 From CANADIAN AIR	1.05 ✓	16 05 ✓	3072 99
JULY 10	# 7503 From CANADIAN AIR	1.05 ✓	16 05 ✓	3089 04
JULY 12	# 1226 From YUKON BUILDING SUPPLY	1.80 ✓	27 80 ✓	3116 84
	# 2551 From KLONDIKE COPIER	1.05 ✓	16 05 ✓	3132 89
JULY 13	# 7586/5520/2834 To CHEMEX BTL 1062.50	110.08 ✓	1682 58 ✓	4815 47
JULY 15	# 7744 From CANADIAN AIR	1.05 ✓	16 05 ✓	4831 52
JULY 20	# 7750 From CANADIAN AIR - CA 64.90	1.40 ✓	86 30 ✓	4917 82
JULY 22	# 2538 From YUKON BUILDING SUPPLIES	2.90 ✓	43 90 ✓	4961 72
JULY 27	# 7541 From CANADIAN AIR	1.05 ✓	16 05 ✓	4977 77
		321.43		

Approved for payment
Roy Hutchins

July 22 1993

Dublin Gulch Mining Ltd.
Box 4372
W. Fraser
B.C.
V1A 3V5

Invoice

Sent to:
Inonhoe Goldfields Limited
1900 Marine Building
365 Burrard St.
Vancouver
B.C. V6C 2G8

Hours as per attached time sheet

Hittachi excavator - Tractor 459075
54.5 hrs. at \$165/hr

\$ 8992.50

July rent on 3000 gal fuel tank

200.00

\$ 9192.50

G.S.T.

643.48

\$ 9835.98

APPENDIX VI

STATEMENT OF QUALIFICATIONS

Statement of Qualifications

I, Cyril N. Orssich of Ivanhoe Goldfields Ltd. do hereby certify that:

- (1) I am a graduate of Carleton University, Colonel By Drive, Ottawa Ontario with an Honours Bachelor of Science degree majoring in Geology, 1981.
- (2) I have practiced my profession as a Geologist from 1981 to 1988 and 1991 to present.
- (3) I have no interest, direct or indirect, in the Dublin Gulch property or shares in the companies involved.
- (4) That the information contained in this report is both true and correct to the best of my knowledge.

Cyrill N. Orssich, B. Sc., P. Geo.
October 1993



Cyril N. Orssich

STATEMENT OF QUALIFICATIONS

I, David B. Fleming do hereby certify that:

1. I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology, 1979.
2. I have practiced my profession as a Geologist from 1979 to present.
3. I have no interest, direct or indirect, in the Clear Creek property or shares in the companies involved.
4. That the information contained in this report is both true and correct to the best of my knowledge.

David B. Fleming, B.Sc., P. Geo.
October, 1993

*no
new
cont
info*

MINFILE: 106D 025
PAGE NO: 1 of 3
UPDATED: 06/23/94

**YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE**

NAME(S): Dublin Gulch NTS MAP SHEET: 106 D 4
MINFILE #: 106D 025 LATITUDE: 64°01'57"N
MAJOR COMMODITIES: Au LONGITUDE: 135°47'44"W
MINOR COMMODITIES: Ag DEPOSIT TYPE: Vein
TECTONIC ELEMENT: McQuesten Plutonic Suite STATUS: Drilled Prospect

CLAIMS (PREVIOUS AND CURRENT)

DUBLIN LODGE, NORTH STAR, HAPPY JACK, VICTORIA, OLIVE, SHAMROCK, BLUE LEAD, BOB, MUCKING FUTCH, AVOCA, PESO, PEA, SHAL, DOG, SMOKY, BOB

WORK HISTORY

Placer gold was discovered on Haggart Creek in 1895 and on Dublin Gulch in 1898. The first lode staking was Dublin Lode, North Star, etc. (2404) in Oct/1901, on which a 14 m adit was driven by 1904. By 1912, development work had been done on five separate properties. On the Stewart-Catto group (Happy Jack (8029) and Victoria (8022) cl) recorded in Jun-Oct/08, two adits were driven, the first 38 m long and off the vein, and the second a 600 m crosscut with 23 m of drifting on the vein. On the Olive claim (8025) recorded in Jun/08, a 21 meter adit was driven, the last metre of which was on a vein. Trenching and pitting was performed on the Shamrock group, while a 8 m shaft was sunk on the Blue Lead group (8049), recorded in Dec/09.

T. McKay and A.H. Martin tied on Bob, Mucking Futch, etc cl (55056) to the Olive claim in Nov/37, prospected with pits and shallow shafts in 1938 and sold the claims to Treadwell Yukon L, which performed more trenching. The property was transferred to Keno Hill Mg CL in 1946.

Restaked as Avoca, etc cl(59052) in Oct/48 by J.B. O'Neill and J.J. Colt, who explored with hand and bulldozer trenching in 1949-54, sold an interest in 1958 to E.H. Barker, who trenched in 1958-61 and sold the property to Peso Silver ML in 1962. Peso performed trenching in 1962.

Restaked as part of the Pea, etc cl (Y84832) in Aug/73 by Adonis ML in conjunction with nearby placer work; Shal cl (Y95002) in Jul/74 by J.M. McNulty; Dog cl (Y97149) in Nov/74 by H. Fromme; Pup cl (YA15128) in May/77 by R. Grant; and Smoky, Bob, DG etc cl (YA17729) in Apr/78 by Queenstake Res L & Canada Tungsten Mg Corp L, which conducted extensive mapping, and geochem and geophysical surveys in 1978 and 1979, backhoe trenching in 1980 and geochem sampling and mapping in 1981.

In 1986, Canada Tungsten transferred some of the Smoky and Bob claims to G. Dickson and the remainder to Queenstake, which performed bulldozer trenching and 705 m of diamond drilling in 4 holes later that year. The property was optioned to Can Pro Dev L which performed additional diamond drilling later that year and trenched in 1989. Dickson's claims were transferred to Queenstake in Apr and May, 1991.

H-6000 Holdings optioned the property in 1991, and joint ventured it to Fairbanks Gold, which explored with mapping, geochemistry, geophysics and 16 diamond drillholes totalling 2500 m. In 1992, Amax explored with rotary percussion drilling which included 1117.7 m on the R.D. 2 and 16, Bob 1, Smoky 64-65 and 74-76 claims and 2 holes (615 m) on the Smoky 51-52 claims. Ivanhoe Goldfields Ltd optioned the property in late 1992, conducting reverse-circulation drilling and backhoe trenching on the Smokey 3,4 and 96F claims in July 1993.

Queenstake Resources Ltd. bulk sampled the Olive and RD claims in Oct/93.

GEOLOGY

Quartz-arsenopyrite veins are common for a length of 3.2 km along the north edge of the Potato Hills stock, which intrudes metasedimentary rocks of the Late Proterozoic-Early Cambrian Hyland Group. Most veins strike northeast and range in width from a few cm to 2 m and occasionally wider, although the arsenopyrite-rich section is usually restricted to widths of 10 to 25 cm near the centre. Minor amounts of pyrite occur with the arsenopyrite.

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The 1986 drilling tested 4 of 14 veins outlined by Queenstake. Best results were obtained from the Catto Vein where 1 hole returned 44.6 g/t Au over 0.4 m, while a second, 91 m to the west, assayed 60.3 g/t Au, also over 0.4 m. A hole on the No. 23 Vein intersected 74.7 g/t Au over 0.5 m.

In 1988, additional drilling on the Catto Vein returned up to 11.2 g/t Au across a true thickness of 2.7 m, while work elsewhere on the property located a few veins on the floor of Dublin Gulch. A chip sample from one of these assayed 41.1 g/t Au over 1 m.

Trenching on the Smoky 64, R&D 6, R&D 16 and Bob 3 claims in 1989 exposed three new vein systems localized along ENE-trending faults which dip steeply south. Channel samples from the trenches returned values up to 8.61 g/t Au. Hole 91-12 intersected 3 m of granodiorite and clay with 1 cm pyrite-arsenopyrite veins, which graded 17.7 g/t Au. Hole 92-36 on the RD2 claim intersected a quartz-arsenopyrite vein cutting sericite-altered granodiorite, which assayed 13.6 g/t Au.

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YUKON GEOLOGY AND EXPLORATION 1979-80, p. 238-240.

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MINFILE: 106D 027
PAGE NO: 1 of 2
UPDATED: 06/24/94

**YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE**

NAME(S): Garnet (Ray Gulch) NTS MAP SHEET: 106 D 4
MINFILE #: 106D 027 LATITUDE: 64°01'41"N
MAJOR COMMODITIES: W LONGITUDE: 135°44'57"W
MINOR COMMODITIES: Au, Ag DEPOSIT TYPE: Skarn, vein
TECTONIC ELEMENT: McQuesten Plutonic Suite STATUS: Deposit

CLAIMS (PREVIOUS AND CURRENT)

TIP TOP, BATTY, PAN, ARPA, MAR, R & D, DG, JEFF, BOB, SMOKEY.

WORK HISTORY

Staked as Tip Top cl (55220) in Oct/42 by Harvey Ray, examined by Ventures L in 1942, and investigated by the GSC in 1942-44. Restaked in Aug/51 by R.A. Batty & E. Barker as Batty cl (61878), which were prospected and sampled in 1956 by Stride E & Dev CL. Mayo Silver ML staked claims on the east side of the gulch about 1960 and bulldozer trenched in 1963 or 1964. Restaked as Pan & Arpa cl (Y27203) in Sep/68 by C. Provencher as part of the adjoining Potato Hills property but not explored by the various optionees: Great Plains in 1968, Tam ML in 1969, Connaught ML and Canex Placer in 1969-71. Restaked as MAR cl (YA14897) in Mar/77 by Queenstake Res L, which conducted mapping and bulldozer trenching later in the year.

In 1978, Canada Tungsten Mg Corp L entered a joint venture with Queenstake, optioned the adjoining R & D group from Dublin Gulch Mg L and explored with extensive geochem and geophysical surveys in 1978, 1979 and 1981, trenching in 1981, 21 holes (2423 m) in 1979, 64 holes (11,278 m) in 1980, and 3 holes (751 m) plus additional mapping, geochem and VLF-EM surveys and trenching in 1982. Cantung dropped its option in 1986.

Optioned in Sep/91 by Amax Gold Inc., which explored with mapping, geochemistry, geophysics and 16 diamond drillholes totalling 2500 m. In 1992, Queenstake performed 1129.9 m of reverse circulation drilling on the R & D 2 and 16, Bob 1, Smoky 64, 65, 74 and 76 claims.

Ivanhoe Goldfields Ltd optioned the property in late 1992. The DG, Jeff, Bob, R & D, Mar, and several Smokey cl were transferred from Can Pro Development Ltd to Ivanhoe Goldfields Ltd in Mar/93. Ivanhoe Goldfields Ltd. performed reverse circulation drilling on the Smokey 3 and 4 cl and 96 Fr., and dug several test pits in decomposed bedrock on the R & D claims and the Olive crown grant in Sept/93. Samples were then screened, gravity concentrated and assayed. Ivanhoe also performed a soil survey on the West, Sec and DG claims in Sept/93.

GEOLOGY

Ray found large blocks of pale green, coarsely crystalline tremolite skarn float containing 2.7% to 3.3% scheelite. In 1943, the GSC located an outcropping zone 25 m thick in Late Proterozoic Hyland Group quartz-biotite schist, from which grab samples assayed 0.27% to 0.5% WO₃. Mayo Silver ML traced arsenopyrite-quartz float to a narrow vein conformable with bedding, which assayed 69.3 g/t Au and 125.1 g/t Ag across 0.8 m.

The skarn showing was further explored in 1978 and found to average 12 m and reach 25 m in thickness. The skarn is composed of diopside, amphibole, epidote, minor magnetite and no sulphides. This zone, called the Garnet Zone, dips gently northwest towards the Potato Hills Stock. The 1979-80 drilling tested an area 1000 m long and 700 m wide and disclosed the presence of a buried tungsten deposit containing 7.26 million tonnes of 0.87% WO₃. Eight separate mineralized horizons are present, of which the lower four contain a higher grade zone of 3.6 million tonnes grading 0.93% WO₃. At least three of the mineralized horizons outcrop under shallow overburden but none appear in the Ray Gulch canyon.

The 1982 holes cut weak mineralization stratigraphically below the deposit. The best intersection (Hole 82-1) assayed 0.18% WO₃ and 0.34 g/t Au over 0.8 m, as well as a 1.7 m section that ran 0.14% WO₃.

The 1993 soil geochemistry outlined several anomalous areas, including two coincident Au, Sn, Pb, Zn, Sb, Bi anomalies overlying granodiorite intrusions and adjacent zones of fractured, limonitic quartzite.

REFERENCES

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- YUKON EXPLORATION AND GEOLOGY 1982, p. 180; 1983, p. 27; 1992, p. 2, 4, 5.

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MINFILE: 106D 025
PAGE NO: 1 of 3
UPDATED: 06/23/94

**YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE**

NAME(S): Dublin Gulch NTS MAP SHEET: 106 D 4
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MAJOR COMMODITIES: Au LONGITUDE: 135°47'44"W
MINOR COMMODITIES: Ag DEPOSIT TYPE: Vein
TECTONIC ELEMENT: McQuesten Plutonic Suite STATUS: Drilled Prospect

CLAIMS (PREVIOUS AND CURRENT)

DUBLIN LODGE, NORTH STAR, HAPPY JACK, VICTORIA, OLIVE, SHAMROCK, BLUE LEAD, BOB, MUCKING FUTCH, AVOCA, PESO, PEA, SHAL, DOG, SMOKY, BOB

WORK HISTORY

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Quartz-arsenopyrite veins are common for a length of 3.2 km along the north edge of the Potato Hills stock, which intrudes metasedimentary rocks of the Late Proterozoic-Early Cambrian Hyland Group. Most veins strike northeast and range in width from a few cm to 2 m and occasionally wider, although the arsenopyrite-rich section is usually restricted to widths of 10 to 25 cm near the centre. Minor amounts of pyrite occur with the arsenopyrite.

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MINFILE: 106D 025
PAGE NO: 1 of 3
UPDATED: 06/23/94

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STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE**

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MINFILE: 106D 025
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Restaked as part of the Pea, etc cl (Y84832) in Aug/73 by Adonis ML in conjunction with nearby placer work; Shal cl (Y95002) in Jul/74 by J.M. McNulty; Dog cl (Y97149) in Nov/74 by H. Fromme; Pup cl (YA15128) in May/77 by R. Grant; and Smoky, Bob, DG etc cl (YA17729) in Apr/78 by Queenstake Res L & Canada Tungsten Mg Corp L, which conducted extensive mapping, and geochem and geophysical surveys in 1978 and 1979, backhoe trenching in 1980 and geochem sampling and mapping in 1981.

In 1986, Canada Tungsten transferred some of the Smoky and Bob claims to G. Dickson and the remainder to Queenstake, which performed bulldozer trenching and 705 m of diamond drilling in 4 holes later that year. The property was optioned to Can Pro Dev L which performed additional diamond drilling later that year and trenched in 1989. Dickson's claims were transferred to Queenstake in Apr and May, 1991.

H-6000 Holdings optioned the property in 1991, and joint ventured it to Fairbanks Gold, which explored with mapping, geochemistry, geophysics and 16 diamond drillholes totalling 2500 m. In 1992, Amax explored with rotary percussion drilling which included 1117.7 m on the R.D. 2 and 16, Bob 1, Smoky 64-65 and 74-76 claims and 2 holes (615 m) on the Smoky 51-52 claims. Ivanhoe Goldfields Ltd optioned the property in late 1992, conducting reverse-circulation drilling and backhoe trenching on the Smokey 3,4 and 96F claims in July 1993.

Queenstake Resources Ltd. bulk sampled the Olive and RD claims in Oct/93.

GEOLOGY

Quartz-arsenopyrite veins are common for a length of 3.2 km along the north edge of the Potato Hills stock, which intrudes metasedimentary rocks of the Late Proterozoic-Early Cambrian Hyland Group. Most veins strike northeast and range in width from a few cm to 2 m and occasionally wider, although the arsenopyrite-rich section is usually restricted to widths of 10 to 25 cm near the centre. Minor amounts of pyrite occur with the arsenopyrite.

The vein on the Victoria claims assayed 8.6 g/t Au and 13 g/t Ag over a width of 0.6 m for the 23 m length of the drift. Similar assays were obtained from other veins. Rio Plata conducted a Turam survey and bulldozing program which reportedly outlined a narrow, silver-rich vein and more arsenopyrite veins. The presence of silver veins in the area is further suggested by the presence of siderite containing sphalerite, galena and jamesonite in the placer gravels.

The 1986 drilling tested 4 of 14 veins outlined by Queenstake. Best results were obtained from the Catto Vein where 1 hole returned 44.6 g/t Au over 0.4 m, while a second, 91 m to the west, assayed 60.3 g/t Au, also over 0.4 m. A hole on the No. 23 Vein intersected 74.7 g/t Au over 0.5 m.

In 1988, additional drilling on the Catto Vein returned up to 11.2 g/t Au across a true thickness of 2.7 m, while work elsewhere on the property located a few veins on the floor of Dublin Gulch. A chip sample from one of these assayed 41.1 g/t Au over 1 m.

Trenching on the Smoky 64, R&D 6, R&D 16 and Bob 3 claims in 1989 exposed three new vein systems localized along ENE-trending faults which dip steeply south. Channel samples from the trenches returned values up to 8.61 g/t Au. Hole 91-12 intersected 3 m of granodiorite and clay with 1 cm pyrite-arsenopyrite veins, which graded 17.7 g/t Au. Hole 92-36 on the RD2 claim intersected a quartz-arsenopyrite vein cutting sericite-altered granodiorite, which assayed 13.6 g/t Au.

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*needs
approval*

MINFILE: 106D 027
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UPDATED: 06/24/94

**YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE**

NAME(S): Garnet (Ray Gulch) NTS MAP SHEET: 106 D 4
MINFILE #: 106D 027 LATITUDE: 64°01'41"N
MAJOR COMMODITIES: W LONGITUDE: 135°44'57"W
MINOR COMMODITIES: Au,Ag DEPOSIT TYPE: Skarn, vein
TECTONIC ELEMENT: McQuesten Plutonic Suite STATUS: Deposit

CLAIMS (PREVIOUS AND CURRENT)

TIP TOP, BATTY, PAN, ARPA, MAR, R & D, DG, JEFF, BOB, SMOKEY.

WORK HISTORY

Staked as Tip Top cl (55220) in Oct/42 by Harvey Ray, examined by Ventures L in 1942, and investigated by the GSC in 1942-44. Restaked in Aug/51 by R.A. Batty & E. Barker as Batty cl (61878), which were prospected and sampled in 1956 by Stride E & Dev CL. Mayo Silver ML staked claims on the east side of the gulch about 1960 and bulldozer trenched in 1963 or 1964. Restaked as Pan & Arpa cl (Y27203) in Sep/68 by C. Provencher as part of the adjoining Potato Hills property but not explored by the various optionees: Great Plains in 1968, Tam ML in 1969, Connaught ML and Canex Placer in 1969-71. Restaked as MAR cl (YA14897) in Mar/77 by Queenstake Res L, which conducted mapping and bulldozer trenching later in the year.

In 1978, Canada Tungsten Mg Corp L entered a joint venture with Queenstake, optioned the adjoining R & D group from Dublin Gulch Mg L and explored with extensive geochem and geophysical surveys in 1978, 1979 and 1981, trenching in 1981, 21 holes (2423 m) in 1979, 64 holes (11,278 m) in 1980, and 3 holes (751 m) plus additional mapping, geochem and VLF-EM surveys and trenching in 1982. Cantung dropped its option in 1986.

Optioned in Sep/91 by Amax Gold Inc., which explored with mapping, geochemistry, geophysics and 16 diamond drillholes totalling 2500 m. In 1992, Queenstake performed 1129.9 m of reverse circulation drilling on the R & D 2 and 16, Bob 1, Smoky 64, 65, 74 and 76 claims.

Ivanhoe Goldfields Ltd optioned the property in late 1992. The DG, Jeff, Bob, R & D, Mar, and several Smokey cl were transferred from Can Pro Development Ltd to Ivanhoe Goldfields Ltd in Mar/93. Ivanhoe Goldfields Ltd. performed reverse circulation drilling on the Smokey 3 and 4 cl and 96 Fr., and dug several test pits in decomposed bedrock on the R & D claims and the Olive crown grant in Sept/93. Samples were then screened, gravity concentrated and assayed. Ivanhoe also performed a soil survey on the West, Sec and DG claims in Sept/93.

GEOLOGY

Ray found large blocks of pale green, coarsely crystalline tremolite skarn float containing 2.7% to 3.3% scheelite. In 1943, the GSC located an outcropping zone 25 m thick in Late Proterozoic Hyland Group quartz-biotite schist, from which grab samples assayed 0.27% to 0.5% WO₃. Mayo Silver ML traced arsenopyrite-quartz float to a narrow vein conformable with bedding, which assayed 69.3 g/t Au and 125.1 g/t Ag across 0.8 m.

The skarn showing was further explored in 1978 and found to average 12 m and reach 25 m in thickness. The skarn is composed of diopside, amphibole, epidote, minor magnetite and no sulphides. This zone, called the Garnet Zone, dips gently northwest towards the Potato Hills Stock. The 1979-80 drilling tested an area 1000 m long and 700 m wide and disclosed the presence of a buried tungsten deposit containing 7.26 million tonnes of 0.87% WO₃. Eight separate mineralized horizons are present, of which the lower four contain a higher grade zone of 3.6 million tonnes grading 0.93% WO₃. At least three of the mineralized horizons outcrop under shallow overburden but none appear in the Ray Gulch canyon.

The 1982 holes cut weak mineralization stratigraphically below the deposit. The best intersection (Hole 82-1) assayed 0.18% WO₃ and 0.34 g/t Au over 0.8 m, as well as a 1.7 m section that ran 0.14% WO₃.

The 1993 soil geochemistry outlined several anomalous areas, including two coincident Au, Sn, Pb, Zn, Sb, Bi anomalies overlying granodiorite intrusions and adjacent zones of fractured, limonitic quartzite.

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