

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 89.08.30

ASSESSMENT REPORT 18077

MINING DIVISION: Liard

PROPERTY: Josh
LOCATION: LAT 56 40 00 LONG 130 47 00
UTM 09 6281490 390702
NTS 104B10W

CLAIM(S): Josh 3
OPERATOR(S): Orequest Consul.
AUTHOR(S): Dewonck, B.; Barnes, B.

REPORT YEAR: 1988, 52 Pages

COMMODITIES

SEARCHED FOR: Gold, Copper

GEOLOGICAL

SUMMARY: The property is underlain by syenodiorite which intrude andesitic to dacitic volcanic rocks possibly belonging to the Upper Triassic to Lower Jurassic Hazelton Group. Four different styles of mineralization are noted on the property, they are 1) chalcopyrite-magnetite-sphalerite skarns 2) quartz stockworks 3) pyrite-chalcopyrite quartz breccias with associated skarns and 4) base metal bearing quartz filled fissures.

WORK

DONE: Geological, Physical
ROCK 100 sample(s) ;AU,ME
TREN 17.0 m 4 trench(es)

MINFILE: 104B 023

SUB-RECORDER
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VANCOUVER, B.C.

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TRENCHING AND ROCK SAMPLING
REPORT ON THE
JOSH, JOSH 2, 3 AND 4 CLAIMS
ISKUT RIVER AREA, BRITISH COLUMBIA
LIARD MINING DIVISION
FOR
REDWOOD RESOURCES INC.

FILMED

NTS 104B/10W
LATITUDE 56° 40' N
LONGITUDE 130° 57' W
47

18-077

Bernard Dewonck, Consulting Geologist
Brett Barnes, Geologist

November 25, 1988

OREQUEST



SUMMARY

A trenching and chip sampling program was completed on the Josh claim group in August 1988. Two areas of interest were detailed with five outcrop chip sample sites and four trenches for a total of 86 chip samples and 14 grab samples.

Only one area of the sampling program gave significant results. Trench #3 excavated at previous rock sample site DR61 returned 0.19 oz/ton Au from a 0.25 metre wide quartz vein. The strike extent of the vein is undetermined.

Further work is recommended on the property to investigate other anomalous areas not covered by the 1988 field program and to complete preliminary exploration work on the claim group.

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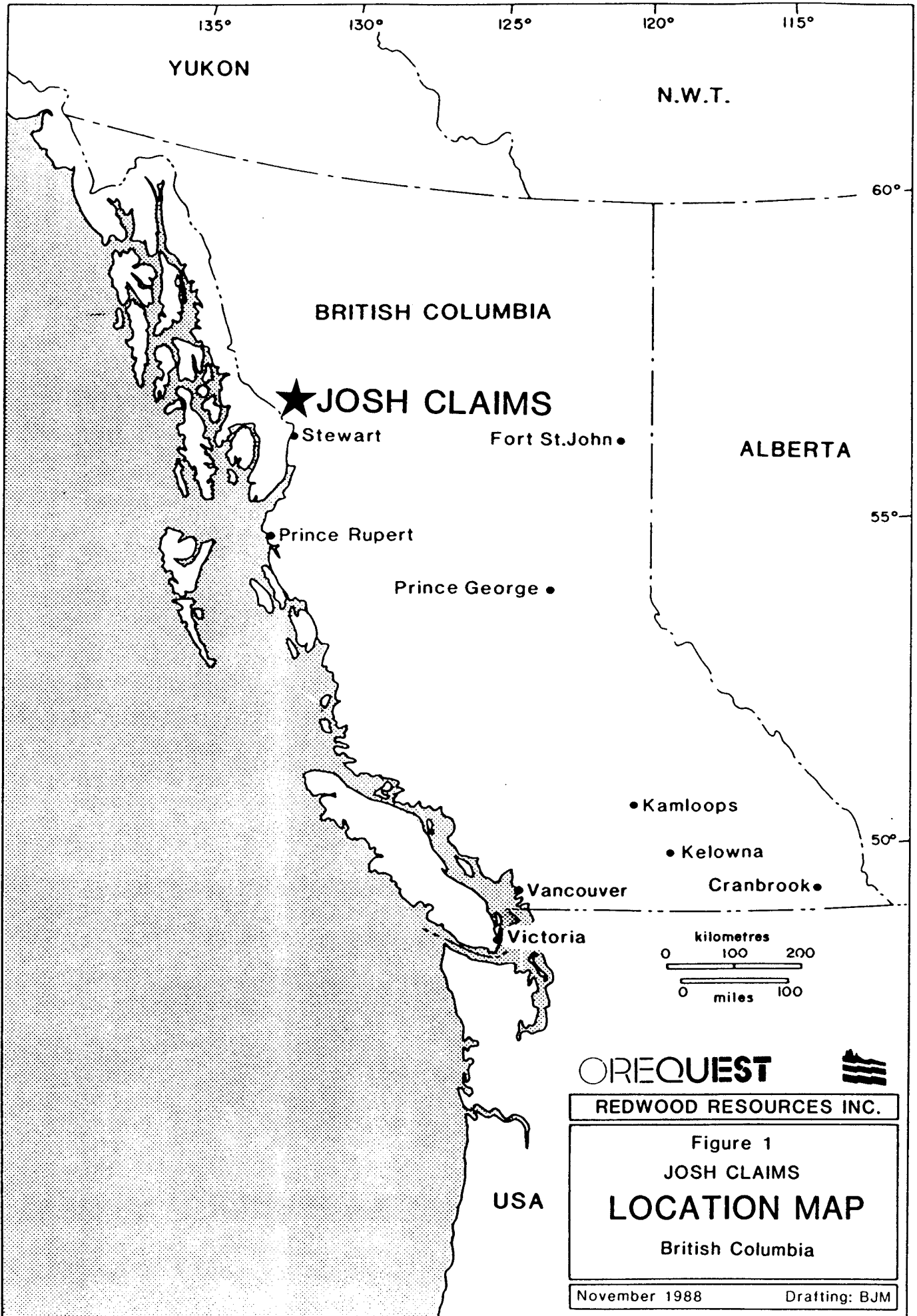
INTRODUCTION

During August, 1988, a limited chip sampling and trenching program was conducted on the Josh claim group for Redwood Resources Inc. by OreQuest Consultants Ltd. Overall, project management was provided by Prime Exploration Ltd. of Vancouver, B.C.

Work concentrated on rock geochemical highs and geologically favourable outcrops that required little preparation. Two areas of interest along the Josh 2 - 3 boundary were targeted for trenching and/or detailed outcrop sampling. Where the exposure permitted, a continuous chip sample over the outcrop face was attempted. If weathering became too intense and the area was considered geologically and/or geochemically favourable, attempts were made to blast to a fresh surface. The resulting trench was chip sampled where outcrop permitted. A total of 86 chip samples were taken in this manner.

LOCATION AND ACCESS

The Josh claim group is situated in the Iskut River Area, 110 km northwest of Stewart, B.C. (Figure 1). The claims lie on the eastern side of Snippaker Creek southeast of the Snippaker - Iskut River junction, latitude $50^{\circ} 38'N$, longitude $130^{\circ} 48'W$, NTS 104B/10W. Access to the property is by helicopter from Bronson airstrip approximately 16 km west of the claims. The Bronson strip is serviced by fixed-wing aircraft from Wrangell, Alaska, Smithers and Terrace, B.C.



CLAIM STATUS

Table 1 indicates the status of the four mineral claims in the Liard Mining Division held under option by Redwood Resources Inc. (Figure 2).

TABLE 1

CLAIM INFORMATION

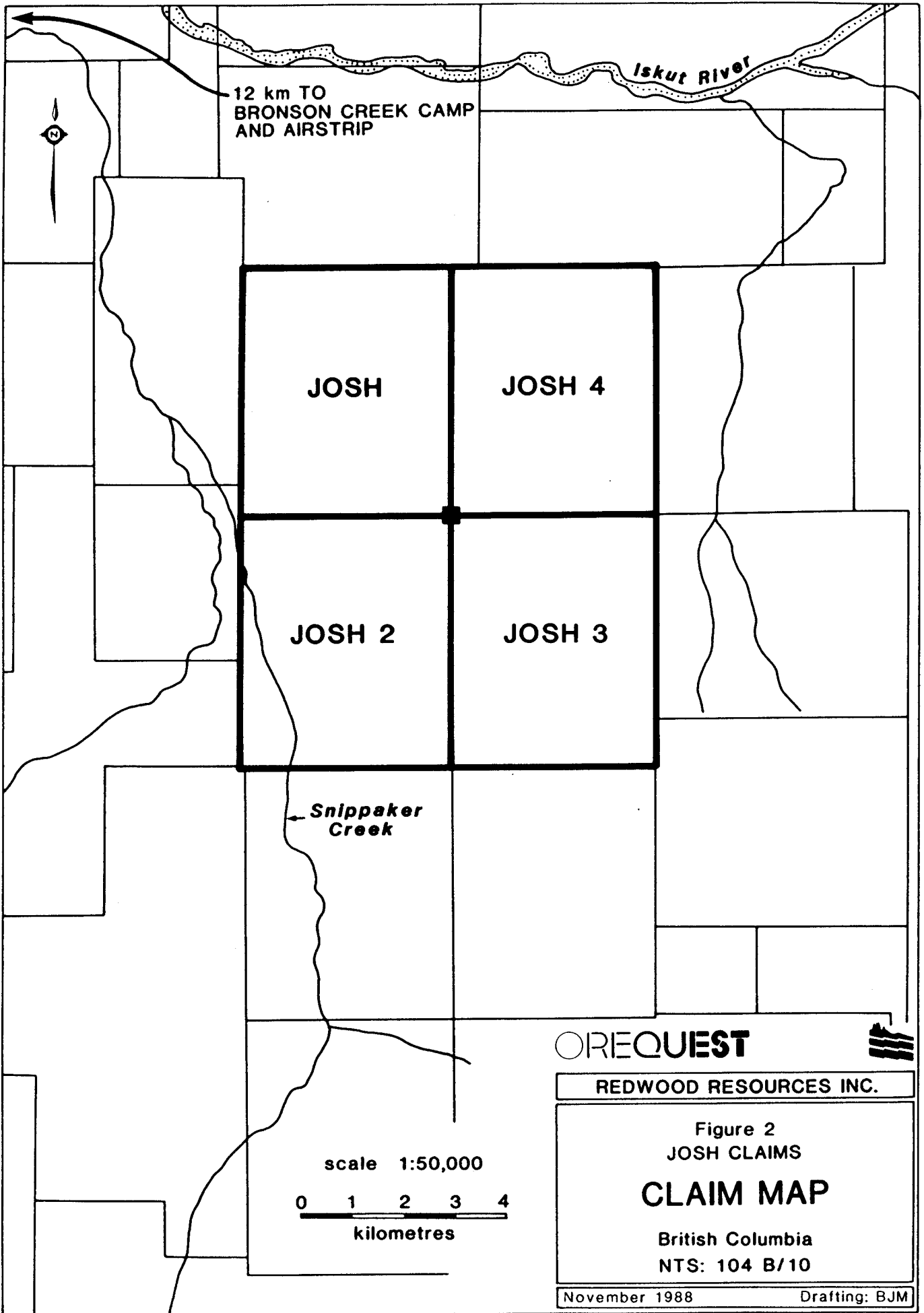
Claim	No. of Units	Record Date	Record No.	Expiry Date
Josh	20	13 Sept. 83	2581	13 Sept. 89
Josh 2	20	13 Oct. 83	2551	13 Oct. 89
Josh 3	20	13 Oct. 83	2552	13 Oct. 89
Josh 4	20	13 Oct. 83	2553	13 Oct. 89

The expiry dates listed above reflect the assessment filed on the basis of the work described in this report.

HISTORY AND PREVIOUS WORK

The first recorded work in the Iskut region was in 1907 when a group from Wrangell, Alaska, staked nine claims north of Johnny Mountain. Crown granted claims along Bronson Creek and on the north slope of Johnny Mountain were subsequently worked by the Iskut Mining Company. By 1920, a 30 foot adit revealed gold, silver, and galena mineralization in a number of veins and stringers. Activity carried on into the 1930's when interest in precious metals was concentrated in the Stewart area. Some sporadic placer operations were also located in the Unuk River Valley.

In 1954, Hudson's Bay Mining and Smelting found the Pick Axe showing and some high grade gold - silver - lead - zinc float on the upper slopes of Johnny



Mountain. The claims were worked and allowed to lapse and are now part of the Skyline Exploration Ltd. Reg deposit.

Porphyry copper - molybdenum deposits were of interest in the 1960's when several major mining companies undertook reconnaissance exploration programs in the area. As a result, claims were staked on Johnny Mountain and Sulphurets Creek.

From 1965 to 1971, Silver Standard Mining and later Sumitomo worked the E & L prospect on Nickel Mountain at the headwaters of Sulphurets Creek. Trenching, drilling, and 460 metres of underground development proved reserves of 3.2 million tons of 0.8% nickel and 0.6% copper.

Massive sulphide float originating from the head of the Bronson Creek glacier resulted in Skyline staking the Inel property in 1969. Skyline also restaked the Reg property in 1980. Between 1981 and 1985, various exploration programs were conducted on both properties for high grade gold and polymetallic massive sulphide mineralization.

In 1986, drilling and underground work on the Stonehouse gold zone confirmed the presence of high grade gold mineralization with silver and copper also present over minable widths. Reserves from a Jan. 15, 1988 Skyline news release are as follows:

Stonehouse Zone	Au (oz)	Tons
Total Measured	1.246	121,000
Total Drill Indicated	0.556	236,875
Total Inferred	<u>0.57</u>	<u>700,000</u>
TOTAL	0.644	1,057,875

Inel Resources Ltd. has driven an exploratory adit below the Main Sulphide Zone on their property. The North, Center, and South underground workings have crosscut nine distinct quartz-sulphide gold veins to date. One vein contains 1.46 oz/t gold (over 2.3 feet) and another carries 0.26 oz/t gold (over 7.5 feet). During 1988, underground drilling intersected 0.769 oz/t gold over 13.3 feet (U88-3) and surface drilling on the Ridge Zone, located 250 m east of the Center section workings, reported 0.868 oz/t gold over 7.4 feet (S88-12). Previous drill results from 1984 returned gold values up to .940 oz/t over 6.9 ft and silver values as high as 20.22 oz/t over 4.3 ft.

In 1965, Cominco discovered mineralization on the ground now held jointly by Cominco Resources International Ltd. and Delaware Resource Corp. The work prior to 1986 consisted of mapping, sampling and trenching. In 1986, Delaware provided funds under an earn-in option agreement with Cominco and began an extensive drill program. The joint venture partners have announced an ore reserve of 1.1 million metric tonnes (1.21 million tons) of 24 gm/tonne (0.70 oz/ton) gold from the Twin Zone (Vancouver Stockwatch December 7, 1987). The deposit remains open to depth and along strike. Underground work began in April, 1988. Colossus Resources Equities Inc. has recently completed a purchase of approximately 51% of Delaware Resources' common stock.

Gulf International Minerals extended the strike length of the Camp Zone and tested the Northwest high grade zone during their 1988 surface drilling program on the McLymont claims. Results from the Northwest Zone included 1.420 oz/t gold, 0.21% copper and 0.14 oz/t silver over 3.3 feet (88-32) and 1.060 oz/t gold, 0.85% copper, and 0.27 oz/t silver over 1.6 feet (88-3). Previous drilling in 1987 returned gold values of 1.6 oz/t and silver assays of 39.73 oz/t over 36.5 feet (87-29).

During 1988, Meridor Resources Ltd. performed a comprehensive trenching and surface drilling program on a property located 3.5 km northwest of the Bronson airstrip. Phase I trenching efforts obtained 0.396 oz/t gold from a quartz-sulphide vein (3.0 ft chip sample). Diamond drilling recovered 0.260 oz/t gold over 2.0 feet (88-17) and 0.254 oz/t gold over 6.6 ft (88-21) from quartz-carbonate-sulphide veins. A Phase II, 10,000 foot, surface drilling program was also completed during the fall of 1988.

In 1988, Winslow Gold Corporation, in a joint venture with Pamorex Minerals Ltd., conducted a trenching and surface drilling program on a property adjoining Skyline Explorations' Stonehouse deposit to the northeast and Cominco-Delawares' Snip deposit to the east. Trenching recovered 0.724 oz/t gold from a pyritic shear zone. Drilling results included a 0.26 oz/t gold intersection over 1.9 feet (W88-7) from a chloritized and mineralized shear zone.

REGIONAL GEOLOGY

Regional geological mapping of the Iskut River area (Kerr, 1948, GSC Memoir 246, 9 - 1957 and GSC Map 1418 - 1979) has been expanded by Grove in two recent

detailed works which define this area as the Stewart Complex (Grove, 1971, 1986).

The Stewart Complex, lies south of the Iskut River and north of Alice Arm. It is bounded by the Coast Plutonic Complex on the west and the Bowser Basin to the east. It is composed of Late Paleozoic and Mesozoic volcanics and sediments which were intruded during Mesozoic and Tertiary times.

The oldest units in the complex are Mississippian or Permian carbonates and other marine sediments. Upper Triassic epiclastic volcanics, marbles, sandstones and siltstones lie unconformably above the Permian. These are overlain by sedimentary and volcanic rocks of the Jurassic Hazelton Group which are lithologically similar to the Triassic section. The Hazelton Group has been subdivided (Grove, 1986) into the Early Jurassic Unuk River Formation, the Middle Jurassic Betty Creek and Salmon River Formations, and the Upper Jurassic Nass Formation.

The Unuk River Formation lies unconformably on Late Triassic rocks and consists of volcanic rocks and sediments which include lithic tuffs, pillow lavas with carbonate lenses and some thin bedded siltstones. Betty Creek rocks unconformably overlie the Unuk River Formation and are characterized by bright red and green volcanoclastic agglomerates with sporadic, intercalated andesitic flows, pillow lavas, chert, and carbonate lenses. The Salmon River Formation is a thick assemblage of colour banded andesitic siltstones and lithic wackes that form a conformable to disconformable contact with the underlying Betty Creek Formation. The Nass Formation consists of weakly deformed argillites,

siltstones, and greywackes which unconformably overlie the Salmon River Formation.

These volcanic and sedimentary successions were intruded by the Coast Plutonic Complex during the Mesozoic and Tertiary periods. A wide variety of intrusive phases are present including granodiorite, quartz monzonite, and diorite. Small satellite plugs and dyke systems range in age from Late Triassic to Tertiary and may be important for localizing mineralization.

Major structural features of the Stewart Complex include the western boundary contact with the Coast Intrusive Complex and the northern thrust fault along the Iskut River where Paleozoic strata has moved southward across Middle Jurassic and older units. Regional tectonic normal faults also border the complex to the south and east (Grove, 1986).

MINERALIZATION

In the report on the Josh property by Scott and Ikona (1988) four mineralization environments were defined:

- i) chalcopyrite - magnetite - sphalerite skarns;
- ii) weak quartz stockworks;
- iii) pyrite - chalcopyrite quartz - breccias with associated skarns; and
- iv) base metal bearing quartz filled fissures.

Of the four listed, the third was considered by the authors to be the best economic target. The following values from previous sampling, deemed to fall within the third category, support this evaluation.

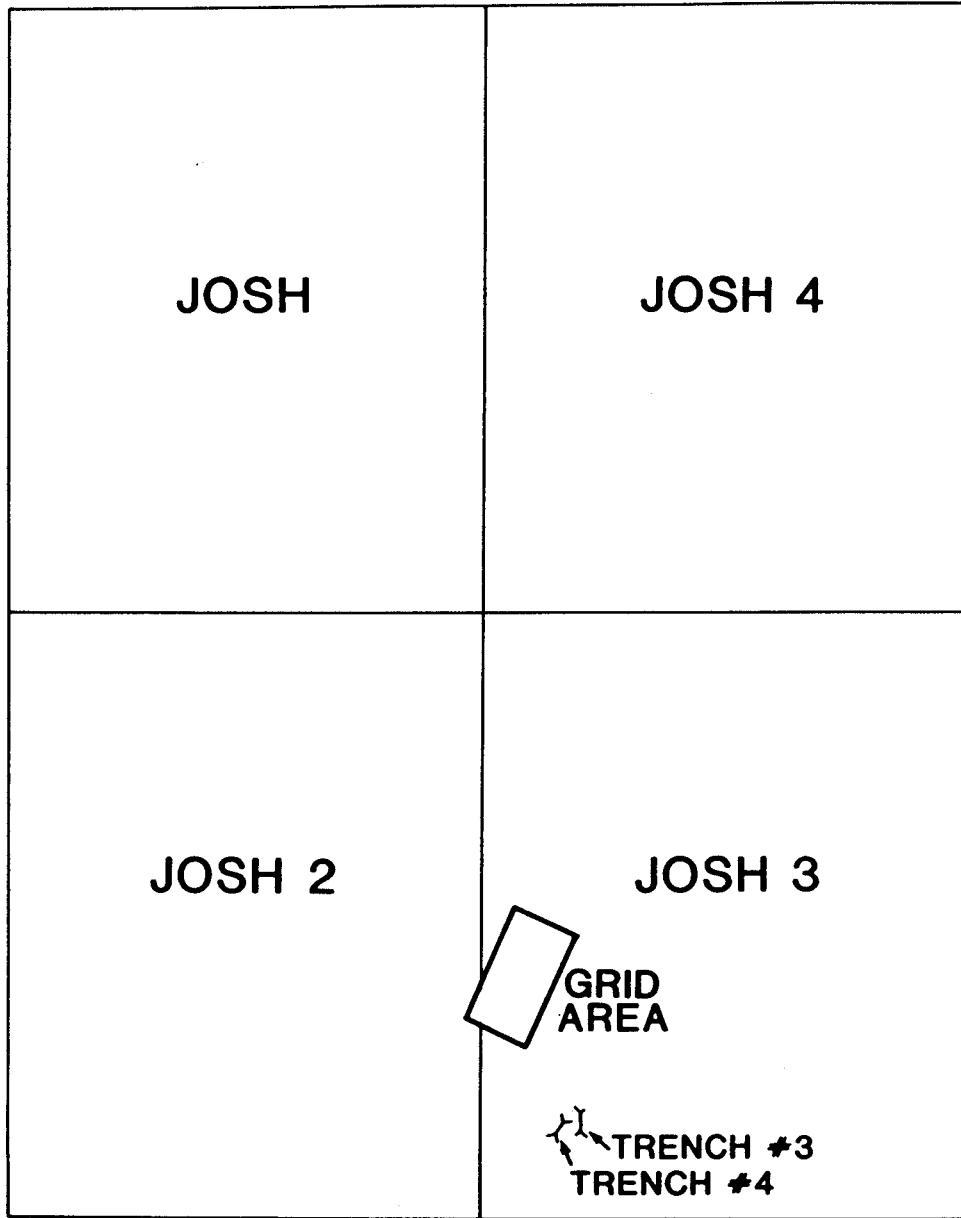
- 1) Up to 0.108 oz/ton Au and 4.2% Cu was reported in a 1.2 metre chip sample of skarn associated with quartz veining, along a northeast trending limestone / andesite contact. Approximately 500 metres north a 0.098 oz/ton Au 4.79 oz/ton Ag and 4.9% Cu value was obtained from a quartz breccia. Both areas lie in the north central part of JOSH 3.

- 2) A quartz breccia sample, thought to be sample number DR61, gave 0.082 oz/ton Au from the south portion of the boundary area between JOSH 2 and 3.

The fourth type of mineralization, ie. quartz filled fissures associated with magnetite skarns, is found along the JOSH 2 and 3 claim border, north and northwest of Trench 3 (Figure 3). Linear ridges trending 000 to 010° are thought to be one part of a conjugate fracture set that strike 000 to 010° and 030° to 040°. As noted by Scott - Ikona (1988) the latter fractures are on strike with gold values of the third mineralization type identified in the north central portion of JOSH 3. Despite this apparent structural connection between the two mineralization categories, the relationship between them is unknown.

TRENCHING AND CHIP SAMPLING

From field work completed between 1985 through 1987 and compiled by Scott and Ikona (1988) three areas of interest were located. The targets were defined by their anomalous gold values and attempts were made to locate the sample sites to establish control grids and trenches. Two of the three areas were located and



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Figure 3
JOSH CLAIMS
**TRENCH
LOCATION MAP**

British Columbia
NTS: 104 B/10

November 1988

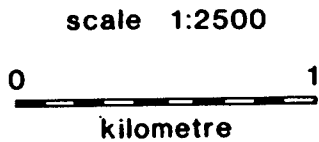
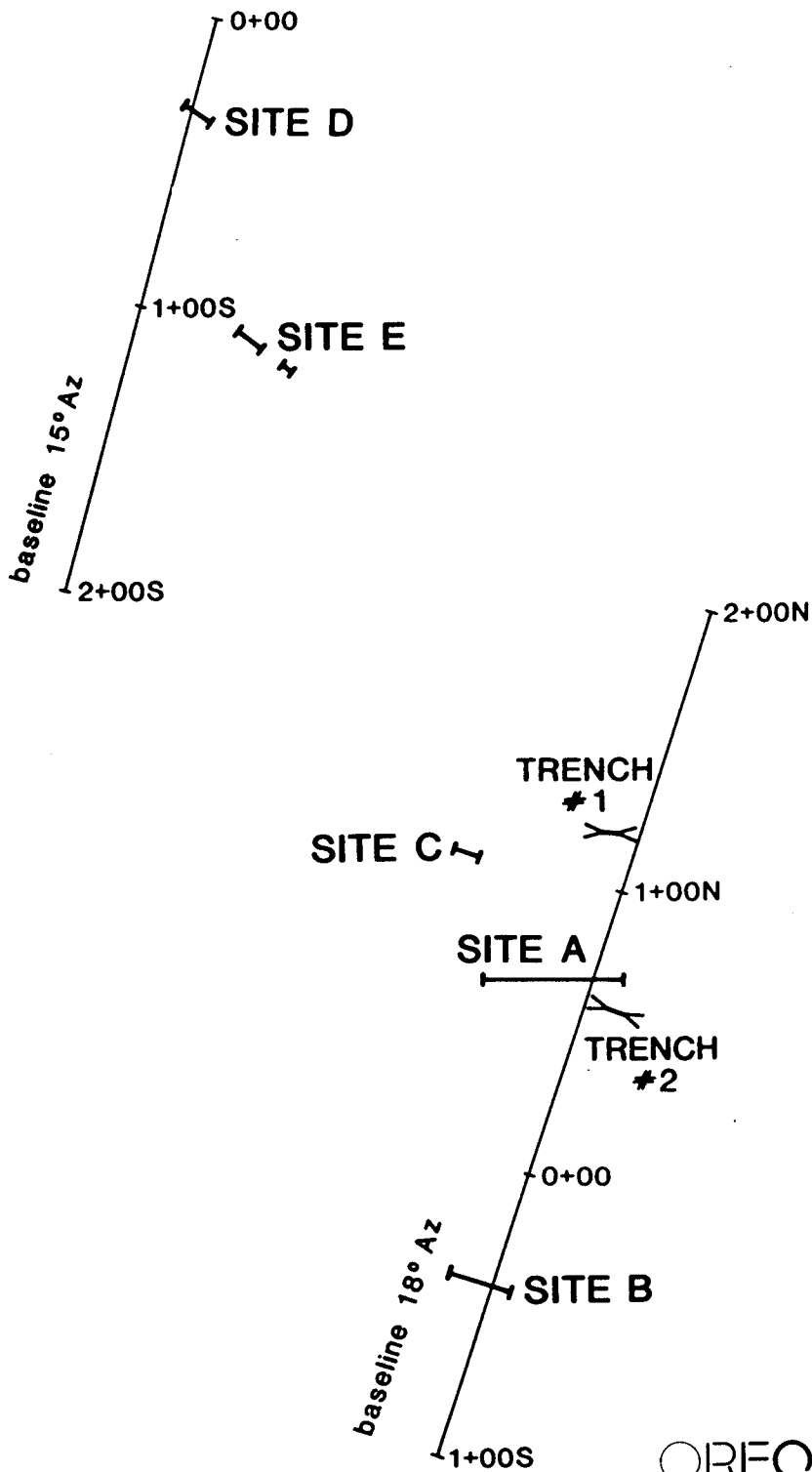
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underwent detailed chip sampling and trenching (Figure 3 and 4). The remaining target site could not be sampled due to fiscal restraints.

Grids were established over previous anomalous gold samples specifically 16458 (103 ppb Au) and 16457 (100 ppb Au) (Figure 5); 12715 (240 ppb Au) (Figure 6). The samples were taken in an area of parallel gossanous ridges trending roughly northeast. Outcrop exposure on the ridges was good but deeply weathered in sections. The ridges are composed of strongly fractured, gossanous porphyritic syenodiorite locally in contact with crystalline limestone. The limestone contains garnets in irregular masses and small amounts of euhedral pyrite (1-2%). Magnetite is ubiquitous throughout the intrusive, occurring as blebs, disseminations and massive pods. Iron oxide staining on the ridges may be derived from oxidation of the magnetite as opposed to an iron sulphide stain. The area roughly coincides with the position indicated for type IV mineralization by Scott and Ikona.

Sample sites A, B, C, D and E were positioned to give the best cross strike coverage of the syenodiorite ridges. Contiguous 1 metre chip samples were collected as indicated in Figure 5 and 6. Sample descriptions and gold values are summarized in Appendix I. Complete analyze appears in Appendix II and analytical procedures by Vangeochem Labs of Vancouver are in Appendix III.

The work was planned to cover as much of the areas of interest as possible with systematic sampling to adequately define any areas of anomalous gold along the outcrops.



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Figure 4
JOSH CLAIMS

**SITE AND TRENCH
LOCATIONS**

British Columbia

November 1988

Drafting: BJM



16458 ▲

16457 ▲

SITE C
24662 to 24667

TRENCH #1
24668

1+50N

baseline 18°Az

1+00N

SITE A

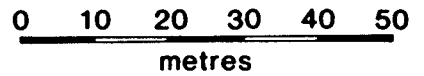
24601 to 24644

TRENCH #2
24669 to 24672

0+50N

▲ rock sample
(ref: Scott & Kona, 1988)

scale 1:1000



0+00

SITE B
24695 to 24661
0+50S

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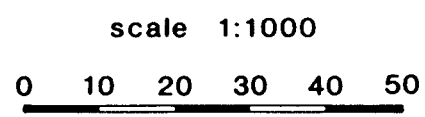
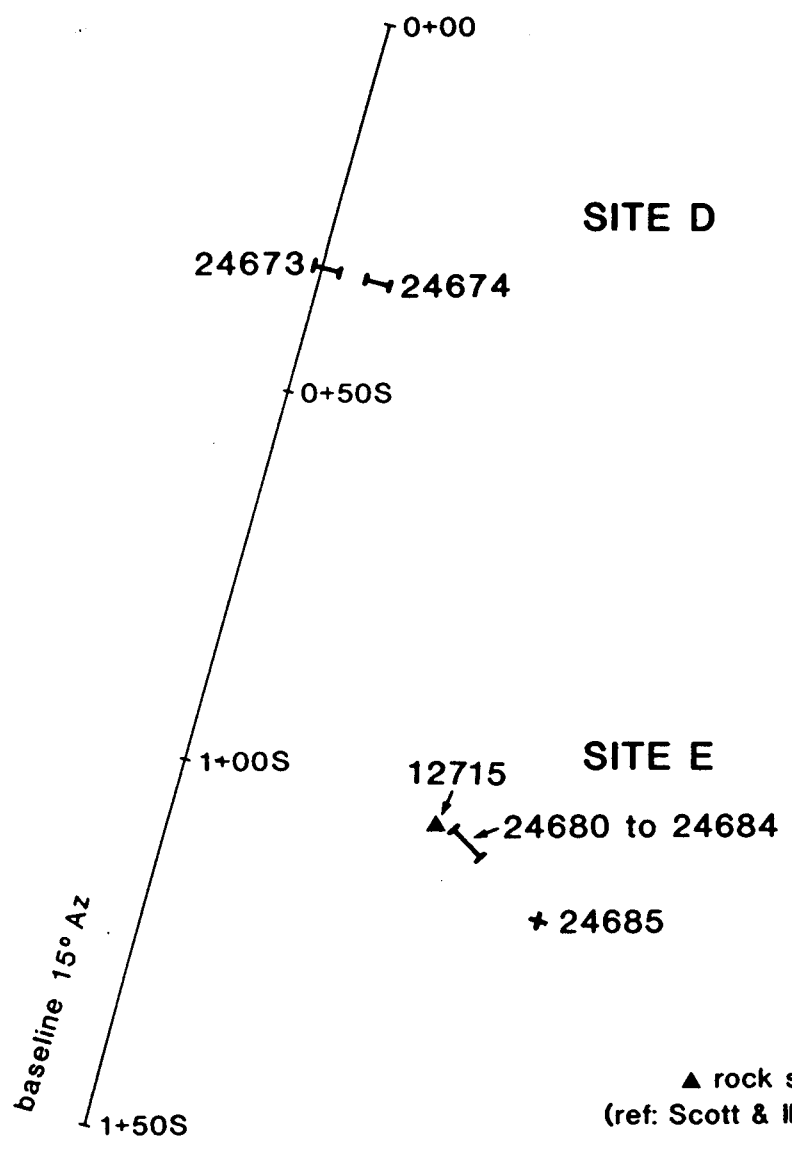



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Figure 5
JOSH CLAIMS
**SAMPLE
LOCATIONS**
SITES A, B, C
British Columbia

November 1988

Drafting: BJM



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Figure 6
JOSH CLAIMS
**SAMPLE
LOCATIONS**
SITES D AND E
British Columbia

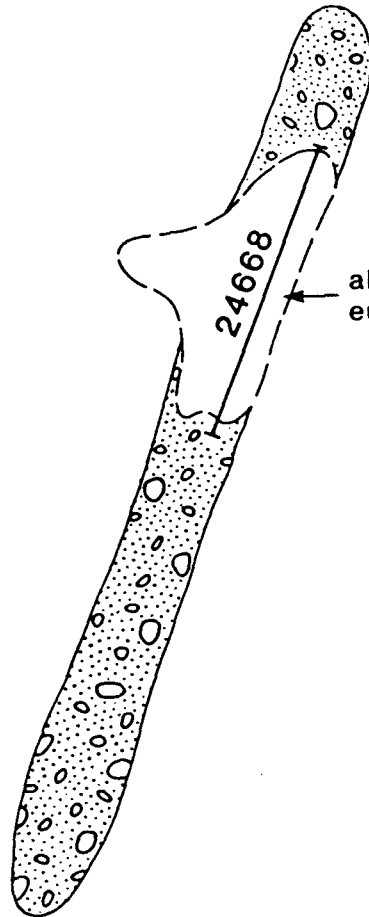
November 1988 Drafting: BJM

Trench #1 (Figure 7) was sandblasted in an area that had numerous angular quartz-malachite stained boulders. Deep weathering and shattering of the subcrop limited fresh exposure in the trench to a one metre interval. The source of the boulders was not determined by the trench.

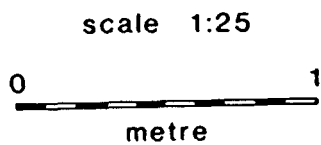
Trench #2 (Figure 8) exposed the eastern portion of the Site A series of samples. Malachite staining was noted on the surface outcrop face, however none was evident in the trench. Weathering was quite deep (over 30 cm) at the trench site.

Trench #3 (Figure 9) attempted to expose the subcrop beneath a previous float sample (DR61; a quartz - breccia). Deep overburden prevented fresh outcrop from being exposed except of the vein and the immediately adjacent wallrock. The vein is composed of milky white quartz, approximately 25 cm in width and undetermined strike length. Chalcopyrite occurs in concentrations of 3 - 5% as subhedral aggregates and blebs. Malachite stain occurred along fractures and vugs within the vein.

Trench #4 (Figure 10) was blasted approximately four metres south west of Trench #3 along an outcrop exposure that contained elevated concentrations of pyrite and arsenopyrite. Sulphide concentrations of up to 10% over 0.5 metres were observed in the trenched exposure. The host appears to be highly altered volcanics of andesitic to dacitic composition. Pyrite and arsenopyrite (?) mineralization with associated argillic and silicic alteration have obliterated most primary textures.



altered syenodiorite, 2-3% py
euhedral clusters (locally)



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Figure 7
JOSH CLAIMS
TRENCH # 1
British Columbia

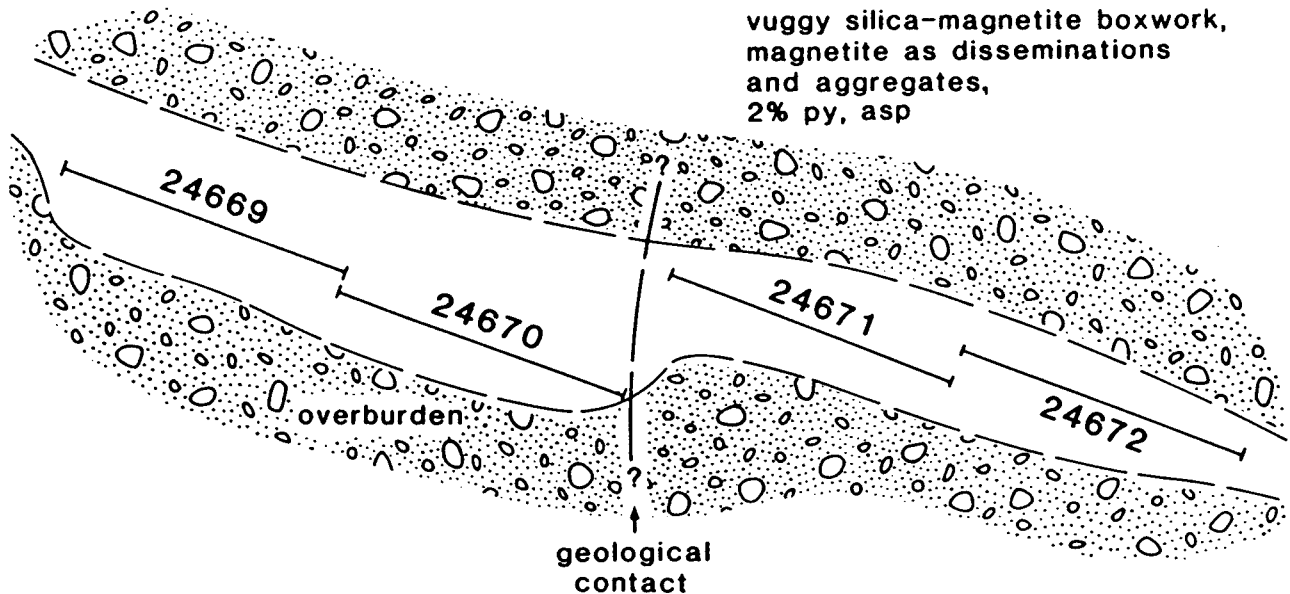
November 1988

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altered syenodiorite,
epidote on fractures,
magnetite as disseminations and blebs,
3% py, asp

vuggy silica-magnetite boxwork,
magnetite as disseminations
and aggregates,
2% py, asp



scale 1:25



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Figure 8

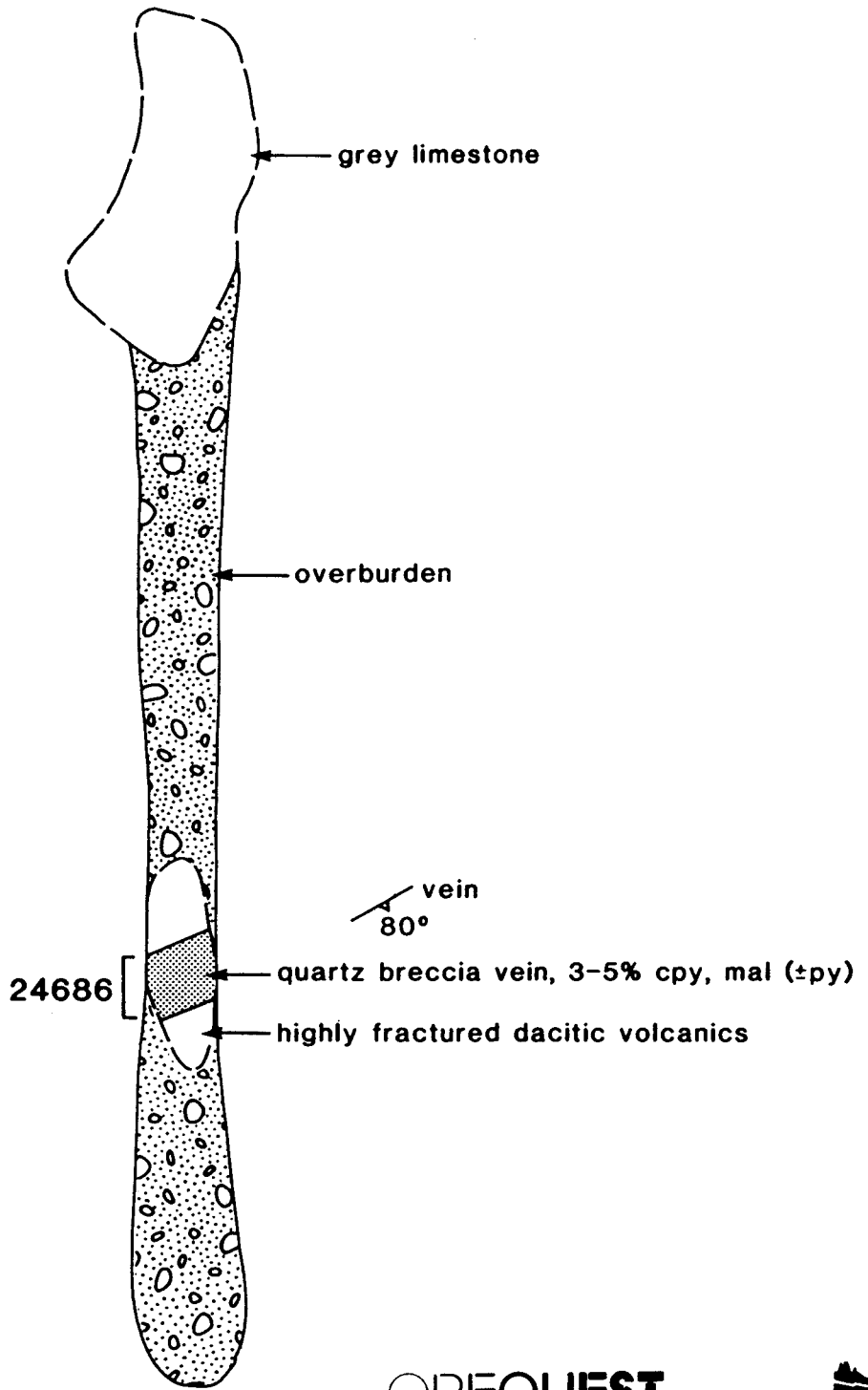
JOSH CLAIMS

TRENCH #2

British Columbia

November 1988

Drafting: BJM



scale 1:25



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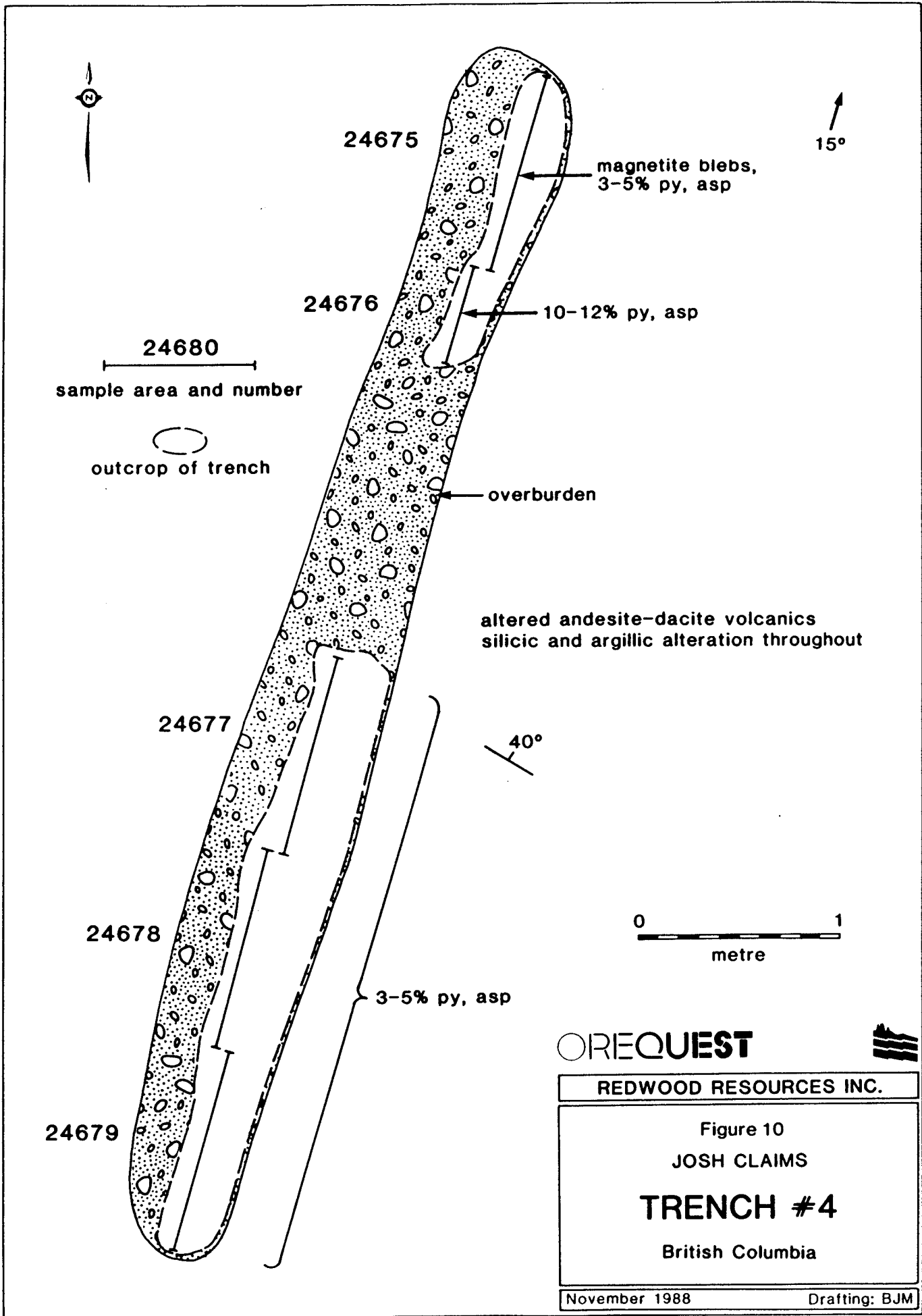
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Figure 9
JOSH CLAIMS
TRENCH #3

British Columbia

November 1988

Drafting: BJM



While attempting to locate the target areas, 14 grab samples were collected from favourable exposures. The samples were collected from the areas surrounding the trench and grid locations (Figure 11).

DISCUSSION OF RESULTS

Results from the chip sampling over sites A, B, C, D and E and Trench #1 returned only mildly anomalous gold values (100-200 ppb gold). As well, sampling of fresh surfaces in Trench #2 produced similarly low values for gold throughout (<100 ppb).

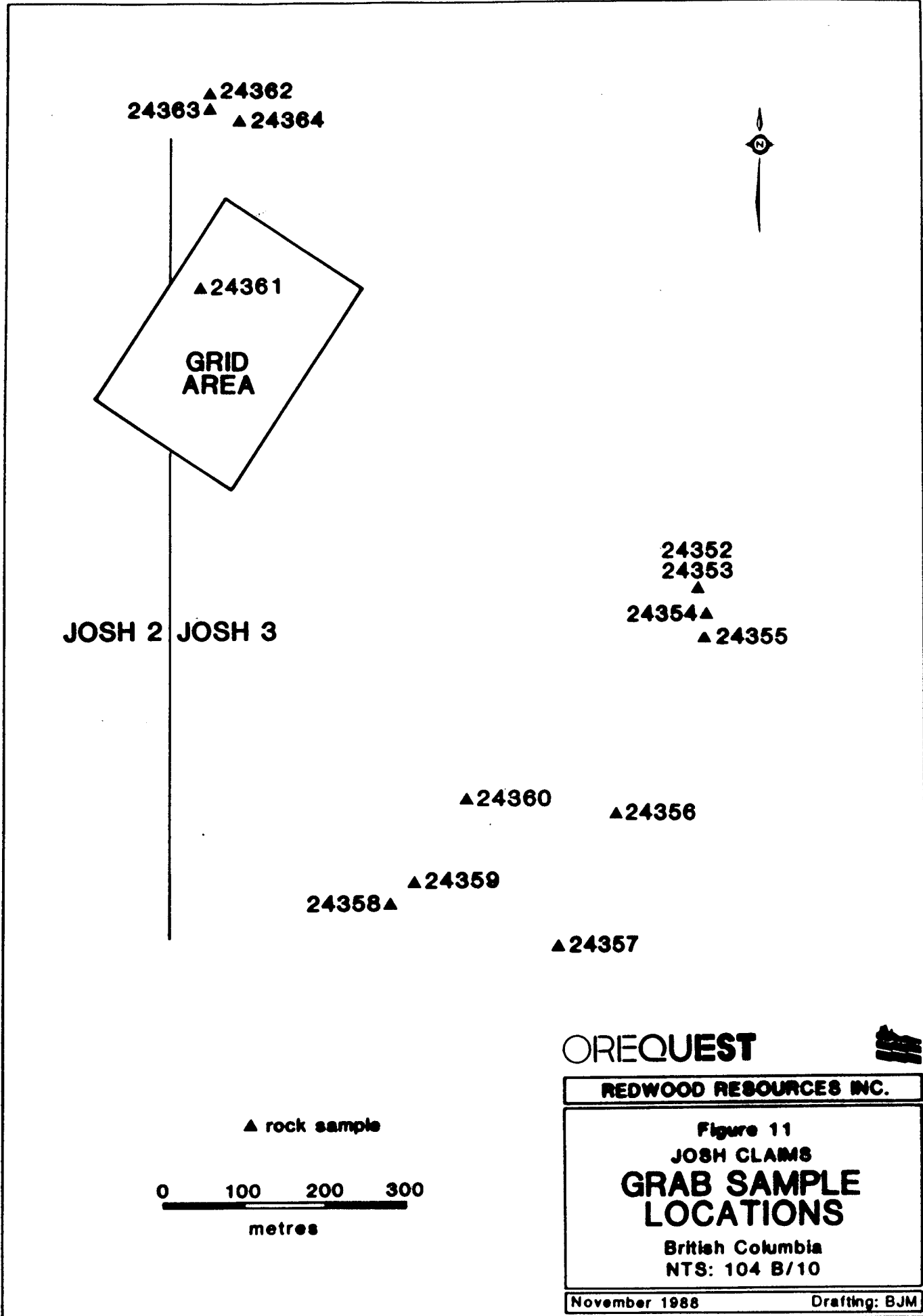
Trench #3, exposing a quartz vein, returned the only potentially economic gold values of the entire program. Resampling of DR 61 gave 570 ppb gold, while sampling of the exposed vein within the trench returned 0.194 oz/t gold over 0.25 metres. Exposure of the vein is limited, giving little indication of its extent.

Trench #4, although displaying good sulphide mineralization, returned only mildly anomalous gold values (up to 330 ppb) over 0.50 to 1.0 metre intervals.

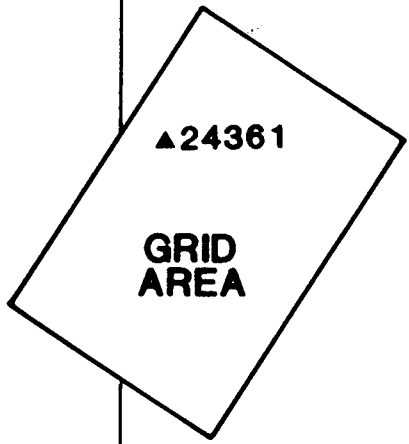
Grab samples taken from the general area of the trenches and grid returned low gold values, except for a resample of DR 61 at the site of trench #3. Angular float of malachite stained, chalcopryrite bearing quartz vein returned 570 ppb gold.

CONCLUSIONS AND RECOMMENDATIONS

The exploration program concentrated on locating and sampling two targets of interest. At the first, (the grid area), five outcrop sites A, B, C, D and E



▲24362
24363▲ ▲24364



▲24361

GRID
AREA

JOSH 2 JOSH 3

24352
24353
▲
24354▲
▲24355

▲24360

▲24356

24358▲ ▲24359

▲24357

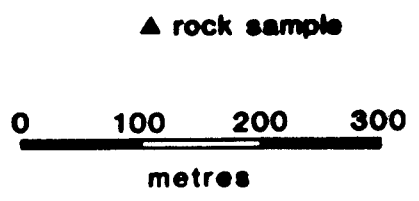
OREQUEST



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Figure 11
JOSH CLAMS
**GRAB SAMPLE
LOCATIONS**

British Columbia
NTS: 104 B/10



November 1988

Drafting: BJM

were sampled, two trenches were blasted and sampled. At the second area of interest, (a quartz breccia/vein), two trenches were blasted and sampled. A total of 86 contiguous chip samples were obtained from the sample sites and trenches. As well, in conjunction with the chip sampling, 14 selected grab samples were obtained from the immediate surrounding area.

The 1988 field program on the Josh claim group was restricted in its scope by fiscal considerations that did not allow all of the previous recommendations for continuing work to be fulfilled. During the field work it was noted that the area is still an excellent economic target with numerous anomalies that have yet to be fully tested and other areas that have not been systematically sampled. Considering the range of potential possibilities, it is the author's opinion that the previous recommendations set forth by Scott - Ikona (1988) be fulfilled, notwithstanding the following considerations:

- 1) The quartz - breccia - skarn areas in the central portion of JOSH 3 should be trenched and systematically sampled. In conjunction with this, Trench #3, should be enlarged to trace the vein over its extent and the area should be prospected in detail in an attempt to locate similar features.
- 2) While stripping and sampling are in progress, all other previously defined gold anomalies, excluding those examined in this program, should be thoroughly prospected and sampled.

STATEMENT OF COSTS

Wages (August 20 to 28, 1988):

B. Barnes (geologist) - 5 days @ \$300/day	\$1,500
W. Egg (blaster) - 4 days @ \$300/day	1,200
P. Brucciani (geologist) - 1 day @ \$280/day	280
R. McGinn (field assistant) - 2 days @ \$270/day	540
D. Carstens (prospector) - 1 day @ \$265/day	265
S. Gordon (field assistant) - 3 days @ \$ 250/day	750
A. Linley (field assistant) - 1 day @ \$ 250/day	250
T. Helgason (field assistant) - 5 days @ \$250/day	1,250
R. Hui (field assistant) - .5 day @ \$250/day	125
R. New (field assistant) - 4 days @ \$200/day	800
D. Hebditch (field assistant) - 1 day @ \$225/day	225
	<u>\$7,185</u>

Transportation:

Northern Mountain Helicopters	\$2,730.01
Mobilization/Demobilization costs (prorated from Iskut Project costs)	<u>375.16</u>
	<u>\$3,105.17</u>

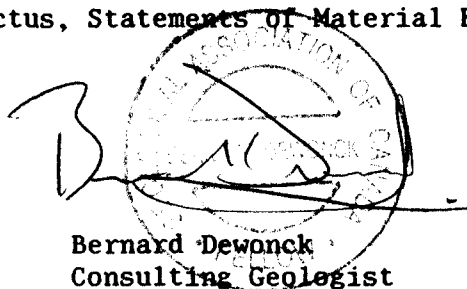
Analyses:

Vangeochem Labs Ltd.	\$1,562.00
Camp Costs	\$3,562.50
Expediting	\$ 593.01
Field Equipment costs, consumables	<u>\$ 612.50</u>
	<u>\$16,620.28</u>

CERTIFICATE of QUALIFICATIONS

I, Bernard Dewonck, of 11931 Dunford Road, Richmond, British Columbia hereby certify:

1. I am a graduate of the University of British Columbia (1974) and hold a BSc. degree in geology.
2. I am an independent consulting geologist retained by OreQuest Consultants Ltd. of 404-595 Howe Street, Vancouver, British Columbia, for the purposes of preparing this report.
3. I have been employed in my profession by various mining companies since graduation.
4. I am a Fellow of the Geological Association of Canada.
5. I am a member of the Canadian Institute of Mining and Metallurgy.
6. This report is based on work carried out by B. Barnes (principal author) and the information listed in the bibliography
7. Neither OreQuest Consultants Ltd. nor myself have or expect to receive direct or indirect interest in the property or in the securities of Redwood Resources Inc.
8. I consent to and authorize the use of the attached report and my name in the Companies' Prospectus, Statements of Material Facts or other public document.


Bernard Dewonck
Consulting Geologist

DATED at Vancouver, British Columbia, this 25th day of November, 1988.

CERTIFICATE OF QUALIFICATIONS

I, Brett Barnes of Box 2, Wilberforce, Ontario, hereby certify:

1. I am a graduate of Lakehead University (1982) and hold a B.Sc. degree in geology.
2. I have been employed by OreQuest Consultants Ltd. since 1983.
3. This report is derived from field work conducted by OreQuest Consultants Ltd. and the information cited in the bibliography.
4. Neither OreQuest Consultants Ltd. nor myself have or expect to receive direct or indirect interest in the property or in the securities of Redwood Resources Inc.
5. I consent to and authorize the use of the attached report and my name in the Companies Prospectus, Statement of Material Facts or other public document.



Brett Barnes
Geologist

DATED at Vancouver, B.C., this 25th day of November, 1988.

BIBLIOGRAPHY

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GROVE, EDWARD W.

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INEL RESOURCES LTD.: September 23, 1988 News Release

MERIDOR RESOURCES LTD: September 2, 1988 News Release

SCOTT, T.C. and IKONA C.K.

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WINSLOW GOLD CORPORATION: September 19, 1988 News Release

APPENDIX I
ROCK SAMPLE DESCRIPTIONS

ROCK SAMPLE DESCRIPTIONS

Site A	Sample No.	Au (ppb)	Descriptions
	24601	50	- goss. fractured locally porphyritic syenodiorite
	24602	40	- as in 24601
	24603	70	- as in 24601; elongated magnetite blebs @ 20°
	24604	90	- as in 24601
	24605	20	- as in 24601
	24606	20	- as in 24601
	24607	-	- as in 24601
	24608	60	- as in 24601
	24609	30	- as in 24601
	24610	20	- as in 24601
	42611	-	- as in 24601
	24612	20	- as in 24601
	24613	60	- as in 24601
	24614	20	- as in 24601; bands massive magnetite
	24615	-	- as in 24601
	24616	60	- as in 24601
	24617	50	- as in 24601
	24618	70	- as in 24601
	24619	30	- as in 24601
	24620	60	- as in 24601
	24621	60	- as in 24601
	24622	20	- as in 24601
	24626	10	- as in 24601
	24627	120	- as in 24601
	24628	50	- as in 24601
	24629	10	- as in 24601
	24630	30	- as in 24601
	24631	20	- goss., fractured, locally porphyritic syenodiorite
	24632	-	- as 24631; increasingly deeply weathered
	24633	60	- as in 24631
	24634	50	- as 24631
	24635	-	- as in 24631; increased weathering
	24636	100	- as in 24631
	24637	70	- as in 24631
	24638	20	- as in 24631; limonitic boxworks, deep weathering
	24639	40	- as in 24638
	24640	40	- as in 24638
	24641	70	- as in 24638
	24642	65	- as in 24638
	24643	45	- as in 24638
	24644	50	- as in 24601; across fractures @ 108°

Site B	Sample No.	Au (ppb)	Descriptions
	24645	20	- gos., fractured, locally porphyritic syenodiorite
	24646	40	- as 24645
	24647	30	- as 24645
	24648	30	- as 24645
	24649	45	- as 24645
	24650	30	- as 24645
	24651	30	- as 24645
	24652	50	- as 24645
	24653	90	- as 24645
	24654	30	- as 24645
	24655	40	- as 24645
	24656	-	- as 24645
	24657	-	- as 24645
	24658	-	- as 24645; deeply weathered; boxwork
	24659	-	- as 24658
	24660	-	- as 24658
	24661	-	- as 24658

Site C	Sample No.	Au (ppb)	Descriptions
	24662	-	- lightly gossaned massive porphyritic syenodiorite
	24663	-	- as 24662; increasing gossan
	24664	-	- as 24663
	24665	-	- as 24663; increasing fabric @ 20°, 90° dip
	24666	-	- as 24665
	24667	-	- as 24665

Site D	Sample No.	Au (ppb)	Descriptions
	24673	-	- fine grained; siliceous, gossaned syenodiorite
	24674	-	- as 24673; possible chill margin

Site E	Sample No.	Au (ppb)	Descriptions
	24680	230	- gossaned, massive sugary quartz
	24681	110	- as 24680
	24682	135	- contact between sugary quartz-sheared dacite
	24683	70	- fine grained, massive to slightly sheared dacite
	24684	90	- as 24683
	24685	-	- felsite/quartz vein @ 62-90° dip; milky

Trench #1	Sample No.	Au (ppb)	Descriptions
	245668	-	- siliceous fine grained intrusive; 2-3% pyrite

Trench #2	Sample No.	Au (ppb)	Descriptions
	24669	60	- altered intrusive (syenodiorite); 3% pyrite. Arsenopyrite
	24670	40	- as 24669; magnetite blebs; 2% pyrite. Arsenopyrite
	24671	60	- vuggy silica-magnetite boxwork; 1-2% pyrite
	24672	30	- as 24671; 1-2% pyrite, arsenopyrite

Trench #3	Sample No.	Au (ppb)	Descriptions
	24686	4900 (.194 oz/t)	- quartz vein, 0.25 cm wide with 3-5% chalcopyrite and malachite

Trench #4	Sample No.	Au (ppb)	Descriptions
	24675	70	- altered dacitic volcanic; 3-5% pyrite, arsenopyrite
	24676	200	- as 24675; except 10-12% pyrite, arsenopyrite
	24677	100	- as 24675
	24678	160	- as 24675
	24679	330	- as 24675

Grab Samples	Sample No.	Au (ppb)	Descriptions
	24351	-	- dacitic volcanic, 5% pyrite, <1% chalcopyrite
	24352	30	- 0.5 metre quartz vein, 2% pyrite
	24353	20	- wallrock of 332; 5% pyrite
	24354	15	- silicious shear, 3% pyrite
	24355	10	- massive dacitic volcanic, 2% pyrite
	24356	-	- massive dacite, 5% pyrite, arsenopyrite
	24357	10	- shear @ 130°, pyrite 10%
	24358	-	- sheared dacite, disseminated pyrite
	24359	20	- 0.5 metre shear @ 45° vuggy quartz
	24360	570	- @ PR61; vein 1-2% chalcopyrite
	24361	50	- chilled intrusive; 1-2% pyrite
	24362	-	- quartz-barite vein; 0.1 metre wide
	24363	20	- quartz-barite vein; chalcopyrite, galena, pyrite 2%
	24364	120	- malachite stained shear

APPENDIX II
ASSAY CERTIFICATES



VANGEOCHEM LAB LIMITED

MAIN OFFICE
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BRANCH OFFICE
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(604) 251-5656

REPORT NUMBER: 881215 6A

JOB NUMBER: 881215

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PAGE 1 OF 1

SAMPLE #	Au ppb
24601	50
24602	40
24603	70
24604	90
24605	20
24616	60
24617	50
24621	60
24622	20
24626	10
24627	120
24628	50
24629	10
24630	30
24631	20
24632	nd
24633	60
24634	50
24635	nd
24636	100
24637	70
24638	20
24640	40
24643	45
24644	50

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
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(604)251-5656

REPORT #: 881215 PA

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Page 1 of 1

Sample Number	Ag	As	Ba	Bi	Cd	Co	Cu	Mo	Pb	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24601	23.2	9	550	4	2.7	6	344	5	1379	472
24602	5.7	<3	142	5	3.8	5	660	4	209	359
24603	2.1	<3	60	5	4.1	6	460	3	72	265
24604	0.9	<3	34	4	3.1	5	355	3	47	425
24605	0.3	<3	34	4	3.1	6	362	3	45	382
24616	0.3	<3	42	4	3.1	5	706	4	97	450
24617	0.3	<3	40	5	3.8	5	416	4	45	313
24621	1.2	<3	99	6	5.2	4	292	2	38	255
24622	2.1	<3	162	<3	3.4	4	428	2	45	513
24626	0.2	<3	73	3	3.1	7	501	4	30	590
24627	1.1	<3	126	3	2.5	6	539	3	36	638
24628	1.3	<3	56	3	2.5	4	534	3	29	535
24629	1.3	<3	46	<3	2.4	4	379	3	28	336
24630	0.3	<3	52	<3	2.7	4	433	3	26	487
24631	0.4	<3	38	<3	2.2	6	366	4	31	518
24632	1.3	<3	78	<3	2.1	8	570	4	67	738
24633	1.3	<3	82	<3	2.2	5	602	3	37	526
24634	1.1	<3	128	<3	2.4	5	404	3	32	552
24635	2.5	<3	65	5	5.6	11	1535	9	191	1131
24636	5.4	<3	82	4	3.5	4	588	7	36	756
24637	6.4	<3	248	5	4.3	6	962	9	141	1629
24638	7.6	<3	975	6	4.4	7	1993	22	49	2407
24640	2.8	<3	692	3	3.1	4	1114	11	48	1124
24643	15.6	<3	27	7	3.3	6	1964	118	4711	2641
24644	0.3	3	86	3	2.9	5	511	9	201	650

Minimum Detection 0.1 3 1 3 0.1 1 1 1 2 1
 Maximum Detection 50.0 1000 1000 1000 100.0 20000 20000 1000 20000 20000
 < = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum



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REPORT NUMBER: 881236 GA

JOB NUMBER: 881236

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PAGE 1 OF 2

SAMPLE #	Au ppb
24606	20
24607	nd
24608	60
24609	30
24610	20
24611	nd
24612	20
24613	60
24614	20
24615	nd
24618	70
24619	30
24620	60
24639	70
24641	70
24642	65
24645	20
24646	40
24647	30
24648	30
24649	45
24650	30
24651	30
24652	50
24653	90
24654	30
24655	40
24656	nd
24657	nd
24658	nd
24659	nd
24660	nd
24661	nd
24662	nd
24663	nd
24664	nd
24665	nd
24666	nd
24667	nd

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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REPORT #: 881236 PA

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Page 1 of 2

Sample Number	Ag	As	Ba	Bi	Cd	Co	Cu	Mo	Pb	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24606	0.2	<3	16	5	3.3	5	500	2	36	709
24607	0.1	<3	10	5	3.1	6	435	2	31	659
24608	0.1	<3	17	7	4.1	5	384	2	28	791
24609	0.3	<3	35	<3	2.4	5	540	2	24	751
24610	0.1	<3	31	7	4.5	5	713	2	32	766
24611	0.1	<3	22	9	5.9	2	527	1	22	384
24612	0.1	<3	50	10	6.5	2	513	<1	23	379
24613	0.1	<3	35	9	5.8	4	538	2	32	498
24614	1.2	<3	30	5	3.9	4	514	2	30	389
24615	0.5	<3	32	6	3.8	3	494	3	33	215
24618	1.7	<3	47	8	5.4	2	341	2	30	209
24619	0.5	<3	30	8	5.3	1	344	2	33	211
24620	2.6	<3	151	8	7.1	1	386	<1	34	277
24639	4.1	<3	349	6	4.5	3	1162	11	41	1070
24641	7.1	<3	211	6	4.9	4	1470	8	144	1570
24642	6.9	<3	318	8	6.5	5	2435*	58	1289	3358
24645	1.8	12	99	<3	0.8	8	338	8	106	268
24646	1.2	7	40	<3	0.7	14	439	6	33	88
24647	1.8	9	28	<3	0.8	12	344	4	33	84
24648	2.6	10	39	<3	1.2	12	361	20	45	129
24649	1.7	11	20	3	1.9	27	748	10	35	118
24650	1.3	8	26	<3	1.4	14	291	6	27	76
24651	0.6	12	21	<3	1.1	11	241	4	32	79
24652	0.8	15	19	<3	1.2	12	219	5	84	135
24653	0.5	10	23	<3	1.5	12	316	9	32	74
24654	0.3	11	24	3	2.1	19	572	5	32	64
24655	0.4	9	40	<3	0.8	10	362	23	26	58
24656	0.4	12	25	3	1.5	16	359	5	33	101
24657	0.5	12	27	3	1.2	13	316	15	33	63
24658	2.4	15	29	3	1.7	14	382	7	39	113
24659	0.8	15	38	3	1.5	15	308	11	29	78
24660	1.4	14	43	3	1.9	17	408	17	35	118
24661	1.3	13	148	4	1.5	12	402	9	36	146
24662	0.1	11	86	<3	1.9	4	120	3	35	154
24663	0.1	14	71	<3	1.2	4	82	5	28	116
24664	0.3	11	95	<3	1.2	3	77	2	24	102
24665	0.1	12	51	<3	1.4	3	84	4	33	90
24666	0.1	10	112	<3	1.1	4	120	5	49	134
24667	0.4	11	113	<3	1.5	4	104	3	45	129
Minimum Detection	0.1	3	1	3	0.1	1	1	1	2	1
Maximum Detection	50.0	1000	1000	1000	100.0	20000	20000	1000	20000	20000
< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum										



VANGEOCHEM LAB LIMITED

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REPORT NUMBER: 881236 GA

JOB NUMBER: 881236

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PAGE 2 OF 2

SAMPLE #	Au
24668	nd
24669	60
24670	40
24671	60
24672	30
24673	nd
24674	nd

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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REPORT #: 881236 PA

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Page 2 of 2

Sample Number	Ag	As	Ba	Bi	Cd	Co	Cu	Mo	Pb	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
24668	0.2	7	105	<3	2.4	4	170	69	324	366
24669	4.4	<3	8	5	3.3	7	464	5	32	324
24670	2.1	<3	16	4	2.5	15	789	5	21	477
24671	3.2	<3	15	8	4.9	6	306	<1	21	256
24672	2.6	<3	10	8	5.2	4	181	3	16	227
24673	1.3	6	87	<3	0.6	7	51	1	30	65
24674	1.1	10	37	<3	0.6	8	43	1	30	67
Minimum Detection	0.1	3	1	3	0.1	1	1	1	2	1
Maximum Detection	50.0	1000	1000	1000	100.0	20000	20000	1000	20000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum



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REPORT NUMBER: 881319 GA

JOB NUMBER: 881319

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PAGE 1 OF 1

SAMPLE #	Au ppb
24361	50
24362	nd
24363	20
24364	120
24675	70
24676	200
24677	100
24678	160
24679	330
24680	230
24681	110
24682	135
24683	70
24684	90
24685	nd
24686	4900

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



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REPORT NUMBER: 881319 AA

JOB NUMBER: 881319

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PAGE 1 OF 1

SAMPLE #

Au
oz/st

24686

.194

DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.005

1 ppm = 0.0001%

ppm = parts per million

< = less than

signed: _____



VANGEOCHEM LAB LIMITED

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REPORT #: 881319 PA

REQUEST

Page 1 of 1

Sample Number	Ag ppm	As ppm	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
24361	0.1	27	39	<3	1.1	14	35	8	42	73
24362	0.4	4	59	<3	>100.0	4	23	8	1644	13648
24363	2.7	3	102	<3	67.1	11	84	4	4052	6573
24364	16.7	32	36	<3	9.6	26	10321	2	137	1541
24675	0.1	28	18	<3	2.5	4	311	27	45	176
24676	0.1	33	6	<3	2.4	10	140	30	35	90
24677	0.2	47	13	<3	1.5	6	174	14	27	91
24678	0.1	29	15	<3	1.7	10	50	12	17	30
24679	0.1	46	23	<3	1.6	4	59	19	23	73
24680	1.7	107	120	3	2.5	3	335	728	37	69
24681	0.8	29	48	3	2.7	1	230	56	26	85
24682	0.8	36	44	3	2.5	1	213	221	25	41
24683	0.1	17	27	<3	1.2	2	118	91	35	42
24684	0.6	13	130	<3	0.4	12	205	14	38	77
24685	0.1	11	57	<3	0.1	7	51	4	37	69
24686	>50.0	17	25	35	4.1	4	>20000	34	608	438

Minimum Detection 0.1 3 1 3 0.1 1 1 1 2 1
Maximum Detection 50.0 1000 1000 1000 100.0 20000 20000 1000 20000 20000
< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

**ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED**



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REPORT NUMBER: 881220 6A

JOB NUMBER: 881220

OREQUEST CONSULTANTS LTD.

PAGE 1 OF 1

SAMPLE #	Au ppb
24351	nd
24352	30
24353	20
24354	15
24355	10
24356	nd
24357	10
24358	nd
24359	20
24360	570

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample



VANGEOCHEM LAB LIMITED

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REPORT #: 881220 PA

OREQUEST

Page 1 of 1

Sample Number	Ag ppm	As ppm	Ba ppm	Bi ppm	Cd ppm	Co ppm	Cu ppm	Mo ppm	Pb ppm	Zn ppm
24351	0.1	<3	21	<3	0.2	10	184	5	31	46
24352	0.1	7	38	<3	0.1	4	102	17	17	41
24353	0.2	<3	49	<3	1.1	7	39	1	81	124
24354	0.1	<3	49	<3	0.2	9	13	7	17	32
24355	0.1	6	45	<3	0.1	4	12	2	14	23
24356	0.1	<3	29	<3	0.3	5	13	5	23	62
24357	1.3	20	9	5	2.5	13	40	6	35	187
24358	0.6	6	32	<3	0.1	5	279	1	18	26
24359	0.8	<3	8	<3	0.8	9	226	27	77	29
24360	46.9	11	6	4	69.7	3	13219	9	623	5373

Minimum Detection	0.1	3	1	3	0.1	1	1	1	2	1
Maximum Detection	50.0	1000	1000	1000	100.0	20000	20000	1000	20000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum

**ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED**

APPENDIX III
ANALYTICAL PROCEDURES



VANGEOCHEM LAB LIMITED

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BRANCH OFFICE
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(604) 251-5656

October 22, 1987

TO:

OREQUEST CONSULTANTS LTD.
404 - 595 Howe Street
Vancouver, B.C. V6C 2T5

FROM:

Vangeochem Lab Limited
1521 Pemberton Avenue
North Vancouver, British Columbia
V7P 2S3

SUBJECT: Analytical procedure used to determine gold by fire assay method and detect by atomic absorption spectrophotometry in geological samples.

1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.
- (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
- (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Extraction

- (a) 20.0 to 30.0 grams of the pulp samples were used. Samples were weighed out using a top-loading balance and deposited into individual fusion pots.
- (b) A flux of litharge, soda ash, silica, borax, and, either flour or potassium nitrite is added. The samples are then fused at 1900 degrees Fahrenheit to form a lead "button".
- (c) The gold is extracted by cupellation and parted with diluted nitric acid.



VANGEOCHEM LAB LIMITED

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(d) The gold bead is retained for subsequent measurement.


3. Method of Detection

(a) The gold bead is dissolved by boiling with sodium cyanide, hydrogen peroxide and ammonium hydroxide.

(b) The detection of gold was performed with a Techtron model AAS Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values, in parts per billion, were calculated by comparing them with a set of known gold standards.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.



David Chiu
VANGEOCHEM LAB LIMITED



VANGEOCHEM LAB LIMITED

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October 22, 1987

TO:

OREQUEST CONSULTANTS LTD.
404 - 595 Howe Street
Vancouver, B.C. V6C 2T5

FROM:

Vangeochem Lab Limited
1521 Pemberton Avenue
North Vancouver, British Columbia
V7P 2S3

SUBJECT: Analytical procedure used to determine hot acid soluble for 28 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.

1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.
- (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
- (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Digestion

- (a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.
- (b) Samples were digested with a 5 ml solution of HCL:HNO3:H2O in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.
- (c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with dimineralized water and thoroughly mixed.



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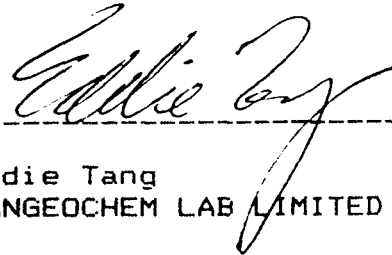
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VANCOUVER, B.C. V5L 1L6
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3. Method of Analyses

The ICP analyses elements were determined by using a Jarrel-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disk.

4. Analysts

The analyses were supervised or determined by either Mr. Wade Reeves or Mr. Eddie Tang, and, the laboratory staff.



Eddie Tang
VANGEOCHEM LAB LIMITED



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
MINERAL RESOURCES DIVISION - TITLES BRANCH

MINERAL ACT

Statement of Work - Cash Payment

DOCUMENT No. _____
OFFICE USE ONLY

SUB-RECORDER
RECEIVED

AUG 30 1988

M.R. # _____ \$ _____
VANCOUVER, B.C.

RECORDING STAMP

1. LEBEL, LARRY
(Name)

Valid subsisting FMC No. 259729
436 W 6 ST.
(Address)

N. VAN, BC
V7M 1K9 988 4050
(Postal Code) (Telephone Number)

GULF INTERNATIONAL MINERALS.
Agent for REDWOOD RESOURCES
(Name)

Valid subsisting FMC No. 215435 11
1550, 609 GRANVILLE ST.
301, 675 W (Address) HASTINGS.
VANCOUVER, BC 683-9630.
V7X 1G6 687-3303
(Postal Code) (Telephone Number)

STATE THAT: [NOTE: If only paying cash in lieu, turn to reverse and complete columns G to J and S to V.]

1. I have done, or caused to be done, work on the Josh, Josh 2, Josh 3, and Josh 4 Claim(s)

Record No(s). 2581, 2551, 2552, and 2553

Situate at Iskut River in the Liard Mining Division,

Work was done from Aug 20, 19 88, to Aug 28, 19 88.

TYPE OF WORK

PHYSICAL: Work such as trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails. Details as required under section 13 of the Regulations, including the map and cost statement, must be given on this statement.

PROSPECTING: Details as required under section 9 of the Regulations must be submitted in a technical report. Prospecting work can only be claimed once by the same owner of the ground, and only during the first three years of ownership.

GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL, DRILLING: Details must be submitted in a technical report conforming to sections 5 through 8 (as appropriate) of the Regulations.

PORTABLE ASSESSMENT CREDIT (PAC) WITHDRAWAL: A maximum of 30% of the approved value of geological, geophysical, geochemical and/or drilling work on this statement may be withdrawn from the owner's or operator's PAC account and added to the work value on this statement.

TYPE OF WORK (Specify Physical (include details), Prospecting, Geological, etc.)	VALUE OF WORK		
	Physical	*Prospecting	*Geological etc.
<u>Blasting, trenching (details in report)</u>	<u>5,000</u>		
<u>Prospecting</u>		<u>2500</u>	
<u>Geological</u>			<u>2500</u>
<u>Logistical Support.</u>			<u>6,000</u>
TOTALS	<u>A 5000 +</u>	<u>B 2500 +</u>	<u>C 8500 =</u>
			<u>D 16,000</u>

PAC WITHDRAWAL - Maximum 30% of Value in Box C Only

from account(s) of _____

E → E

TOTAL F/6,000

Who was the operator (provided the financing)? Name OREQUEST CONSULTANTS
Address 404, 505 HOWE ST.
VAN, BC Phone: 6886788

Transfer amount in Box F to reverse side of form and complete as required.

