TULSEQUAH PROJECT

Summary of the 1990

Geochemical Programme

NICK 1-9 CLAIMS
Atlin Mining Division, B.C.
58°48'N. Latitude
133°38'W. Longitude

for

ECSTALL MINING CORPORATION
307-475 Howe Street
Vancouver, B.C.
V6C 2B3

November 14,1990

by
Calvin L. Church B.Sc.

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Summary

The Nick claims are situated on the east flank of the Coast Plutonic Crystalline Complex in the Paleozoic intermediate and felsic volcanic rocks of the Mt. Eaton Formation.The principle exploration target is volcanogenic massive sulphide or mesothermal lode gold deposits such as those that occur a few kilometers immediately south (Tulsequah Chief and Polaris-Taku). Rock, silt, and soil samples collected during the course of the recent geochemical survey and past surveys have revealed that two gossans, Shazah Gossans #1 and #3 (SG#1 and SG#3) are significantly mineralized. Also, favorable results were obtained from reconnaissance sampling in the north end of the Nick 4 claim. A showing located just south of the ice fields in the Nick 3/Nick4 claims occurs in recrystalized limestone and contains high Au, Ag, Pb, Zn values. SG#1 and SG#3 also occur in silicified intermediate and felsic volcanic rocks similar to the volcanic rocks hosting the Tulsequah Chief volcanogenic massive sulphide deposit. Based on favourable geochemical and geophysical surveys and geological mapping completed to date there is significant potential for a similar deposit to be found on the Nick claims.

The 1990 geochemical programme was completed by Nicholson and Associates in August and September and later enhanced with work by crews of Gordon Clark and Associates. A total of almost $46, 000 was expended.

Introduction

The Tulsequah Project of Ecstall Mining Corporation consists of 163 units on 9 claims (Nick 1-9) staked in the Atlin Mining District. The claims are contiguous to and overlap Cominco's Tulsequah Chief claims and Suntac's Polaris-Taku claims immediately to the south.

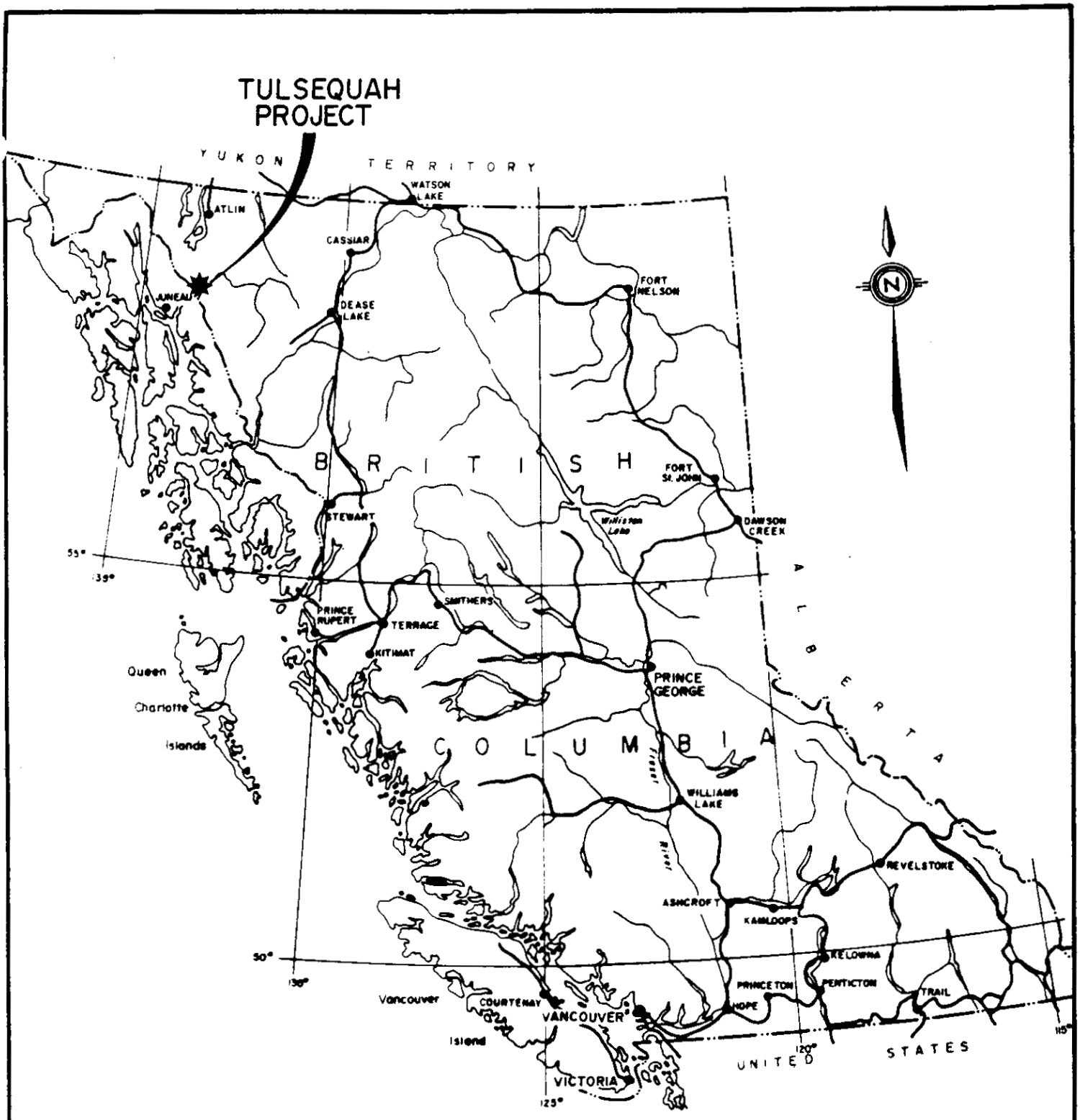
The volcanic sedimentary rock package that occurs in the central area of the Nick claims is a potential host for a massive sulphide and/or vein deposit similar to those encountered immediately to the south (Tulsequah Chief, Big Bull, Erickson-Ashby). These deposits are located on north trending structures and in similar volcanic-sedimentary terranes.

Field work commenced Aug.25/90 and continued until Sept.6/90. A crew of 3 persons employed by Nicholson & Associates were fly camping on the property for the work. The crew collected rock, soil, and silt samples from the property with emphasis directed to gossans along Shazah Creek. The results from this initial stage of exploration produced results that indicate areas of significant Pb, Zn, Ag, Au, As,and Sb anomalies that require additional exploration work.

Location and Access

The Nick claims (Nick 1 - Nick 9) are located at the confluence of the Tulsequah River and Shazah Creek. The former Tulsequah Chief and Polaris-Taku mines are located 2 to 3 km south of the claims. The claims comprise 163 units centered at Latitude 58°48' North, Longitude 133°38' West in the Coastal Mountains of Northwestern B.C. (Figure 1).

Access is by helicopter from Atlin, B.C. 89 km to the north. Alternate routes of access include boat navigation from Juneau up the Taku river in summer months, or alternatively fixed wing aircraft may land at the airstrip located just south of the Polaris-Taku camp with connecting local road access. At the time of writing this airstrip was operational but it is advisable to check with the camps to confirm that the airstrip is being maintained. The Nick claims and portions of them are presently accesible only by helicopter.



ECSTALL MINING CORP.

TULSEQUAH PROJECT

NICK 1-9 CLAIM GROUP

LOCATION MAP

ATLIN MINING DIVISION, B.C.

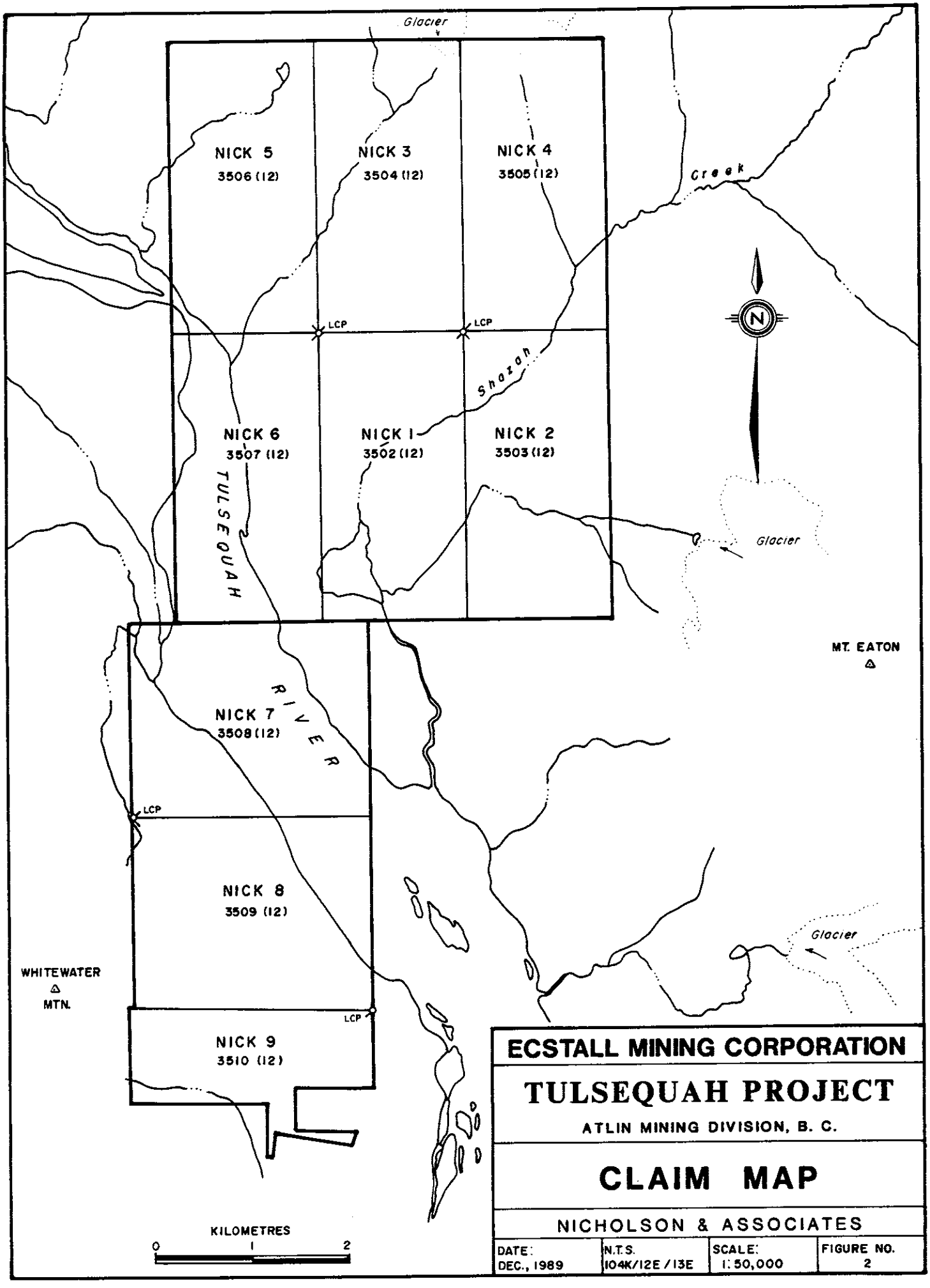
NICHOLSON & ASSOCIATES

Drawn. J.W.	Date. Dec. 1989	FIGURE 1
Scale. As shown	N.T.S.	

Claim Status

The Tulsequah project is comprised of 9 modified grid claims located on Mineral Titles Reference Maps M104K/12E and M104K/13E. The claims are owned 100% by Ecstall Mining Corporation. The claims total 163 units and adjoin each other such that there is always a common boundary between any two claims. Some of the claims overlap ground staked previously by companies that own former mines nearby on the Tulsequah river. The claim names, size, and status are summarized below. A claim map of the area with the location of the Nick claims is shown in Figure 2. Upon filing of assessment work the claims will be in good standing until the expiry date shown.

Claim Name	Record Number	No.Units	Expiry Date
Nick 1	3502	18	Dec 21/93
Nick 2	3503	18	"
Nick 3	3504	18	"
Nick 4	3505	18	"
Nick 5	3506	18	Dec 21/92
Nick 6	3507	18	Dec 21/92
Nick 7	3508	20	Dec 21/93
Nick 8	3509	20	"
Nick 9	3510	15	"



ECSTALL MINING CORPORATION

TULSEQUAH PROJECT

ATLIN MINING DIVISION, B. C.

CLAIM MAP

NICHOLSON & ASSOCIATES

DATE:	N.T.S.	SCALE:	FIGURE NO.
DEC., 1989	104K/12E/13E	1:50,000	2

History

Early geological interpretations of the Tulsequah area were made by Kerr (1948) and compiled in the comprehensive Geological Survey of Canada Memoir 248, Taku River Map Area, British Columbia. Kerr made detailed observations of key stratigraphic sections, physiography, and types of deposits. Prior to this many undocumented discoveries were made during the Klondike rush in 1897 and 1898 when the Taku River was used as a route to the north. In 1923 the Tulsequah Chief property was discovered. Increased interest with the development of this property resulted in the Polaris-Taku and Big Bull discoveries in 1929. Polaris-Taku was the first property to see development in the area and produced 231,604 oz Au, and 11,760 oz Ag from 719,336 tons of ore between 1938-1951 (Beacon Hill Consultants Report, 1988) with a 3 year hiatus (1943-1945) due to the war. Beginning in 1951 the nearby Tulsequah Chief and Big Bull mines of Cominco Ltd. came into production and later shut down in 1957 due to depressed metal prices. These mines combined to produce 94,254 oz Au, 3,400,773 oz Ag, 13,603 tons Cu, 13,463 tons Pb,and 62,346 tons Zn from 1,029,089 tons of ore during this period.

More recently attention has been directed to areas adjacent to the mines and along strike of predominant mineralized structures. Previous work by Cominco indicated mineralization that follows a north structural trend and disappears under Shazah Creek. The ONO and OYA claims were previously held by Anglo Canadian Mining Corp (in 1981) which reported gold-silver bearing massive sulphide mineralization within a felsic volcanic package of rocks. Assessment report #9007 contains detailed geological mapping and geochemical sampling results for this area now occupied by the Nick 1 and Nick 3 claims.

Recent Work

Currently the Tulsequah Chief and Polaris-Taku are undergoing aggressive exploration drill programs to define additional reserves. Cominco is the operator at the Tulsequah Chief and has been exploring for new reserves with surface and underground drilling since 1988. The drill indicated reserves in 1989 stood at 5.8 million tons grading 1.6% Cu, 1.31% Pb, 7.03% Zn, 0.08 oz/ton Au, 2.93 oz Ag (Northern Miner, Dec4/89). This estimate is up from the 780,000 tons of similar grade ore the mine had in reserve when it ceased operations in 1957. Underground drilling in 1990 intersected a massive sulphide lens of 130 ft. true width grading 2.92% Cu, 1.58% Pb, 9.09% Zn, 0.11oz/ton Au and 4.96 oz/ton Ag. Additional holes have been drilled to test extension of the zone along strike and it appears the zone is displaced by a post-mineralization dyke. Downdip extension of this deposit is probable, and future drill targets will test its extension.

Suntac has been reviving the Polaris-Taku mine; a gold bearing mesothermal vein deposit.Surface and underground drilling began in the fall of 1988 and at the completion of the 1989 summer work program both the strike length and depth of a major vein system (Y vein) have been extended. Extension of the C vein system was confirmed by drilling in 1990 which increased proven, probable and possible reserves from 520,000 tons grading 0.45 oz. gold to a total of 886,000 tons grading 0.47 oz gold.

These former mines are presently the focus of most exploration expenditures, however, as more understanding is gained about the geological enviroment and ore setting work will likely intensify on nearby claims and prospects.

Physiography and Vegetation

The terrane is very steep ranging in elevation from 200 ft a.s.l. at the riverbed of the Tulsequah River to greater than 5000 ft a.s.l. at the peaks just south of Mt.Stapler. Above the treeline the ground is either barren or sparsely vegetated with scrub hemlock and balsam. Ice fields abut the claims to the north. Below 2000 ft on moderate to steep slopes grow mature forests of primarily fir and spruce. The slopes are cut by narrow creeks which often cascade down in waterfalls. Shazah Creek valley (elev. 240 ft) has abundant scrub alder thickets and swamps, while Tulsequah River is a glacial floodplain composed of braided stream channels and gravel bars.

Regional Geology

The area is bounded to the west by the Coast Plutonic Complex of Cretaceous age (Figure 3). These intrusive rocks have limited exposure in the area but because of their proximity influence the regional geology.

Whitewater Mountain is underlain by gneissic and plutonic bodies of the metamorphic complex of the eastern Coast Mountains (Precambrian?) in the immediate area. They are strongly deformed roof pendants which lie unconformably on top of Cretaceous intrusives. Upper Paleozoic rocks consisting of mainly deformed volcanic sequences and derived marine sediments occupy the central map area in a northwest trend. The Tulsequah Chief, Polaris-Taku, and Big Bull mines also occur in this package of rocks with local variations in structural control and type of mineralization. To the southeast lie upper Triassic rocks of the Stuhini Group. The Stuhini volcanic-sedimentary sequence was thought to host many of the deposits found near the junction of the Tulsequah and Taku rivers (Souther 1971) however these rocks have been remapped as upper Paleozoic by Nelson and Payne (1983). The highly variable sequences of Paleozoic rocks in the region are typical of a volcanic island arc setting. Sedimentary basins, reefs and localized rhyolite eruptions occurred during times of quiescence. Small rhyolite units have been shown to be closely associated with both the Tulsequah Chief and Big Bull deposits. Mapping by Joanne Nelson (1981) indicates a rhyolite unit just south of Mt. Stapler on the Nick 4 claim.

The structures of the region strike north-northwest. Major faults with this orientation separate pendant and crystalline rocks in the west from Paleozoic volcanic and sedimentary rocks to the east. An uncertain amount of offset has occurred between fault bounded Paleozoic rocks in the area. Faulting is crucial to the deposition of minerals in both the Tulsequah Chief and Big Bull mines where orientation of faults and felsite dykes is north trending.

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

19 — *Fluviatile gravel, sand, silt; glacial outwash, till, alpine moraine and undifferentiated colluvium; 19a, landslides*

TERTIARY AND QUATERNARY
LATE TERTIARY AND PLEISTOCENE
LEVEL MOUNTAIN GROUP

18 — *Basalt, olivine basalt, related pyroclastic rocks; in part younger than some of 19*

17 — *HEART PEAKS FORMATION: rusty-weathering trachyte and rhyolite flows, pyroclastic rocks, and related intrusions*

CRETACEOUS AND TERTIARY
LATE CRETACEOUS AND EARLY TERTIARY
SLOKO GROUP

14 — *Light green, purple and white rhyolite, dacite, and trachyte flows, pyroclastic rocks, and derived sediments*

15 16 — *Probably genetically related to 14; 15, Felsite, quartz-feldspar porphyry; 16, Medium- to coarse-grained, pink, biotite-hornblende quartz monzonite*

PRE-UPPER CRETACEOUS

13 — *CENTRAL PLUTONIC COMPLEX: granodiorite, quartz diorite; minor diorite, leuco-granite, migmatite and agmatite; age and relationship to 12 uncertain*

JURASSIC AND/OR CRETACEOUS
POST MIDDLE JURASSIC

12 — *12a, hornblende-biotite granodiorite; 12b, biotite-hornblende quartz diorite; 12c, hornblende diorite; 12d, augite diorite. Age and relationship to 13 uncertain*

JURASSIC
LOWER AND MIDDLE JURASSIC
LABERGE GROUP (10, 11)

11 — *TAKWAHONI FORMATION: granite-boulder conglomerate, chert-pebble conglomerate, greywacke, quartzose sandstone, siltstone, shale*

10 — *INKLIN FORMATION: well bedded greywacke, graded siltstone and silty sandstone, pebbly mudstone, limy pebble conglomerate; 10a, limestone*

MESOZOIC

TRIASSIC
UPPER TRIASSIC

9 — *SINWA FORMATION: limestone; minor sandstone, argillite, chert*

STUHINI GROUP (7, 8)

7 8 — *7, Mainly volcanic rocks; andesite and basalt flows, pillow lava, volcanic breccia and agglomerate, lapilli tuff, minor volcanic sandstone, greywacke, and siltstone. 8, KING SALMON FORMATION: thick bedded, dark greywacke, conglomerate, mudstone, siltstone, and shale; minor andesitic lava, volcanic breccia, tuff, limestone, limy shale; locally enclosed in 7*

LOWER OR MIDDLE TRIASSIC (?)

6 — *Fine- to medium-grained, strongly foliated diorite, quartz diorite; and minor granodiorite; age uncertain*

TRIASSIC AND EARLIER
PRE-UPPER TRIASSIC

4 — *Fine-grained, clastic sediments and intercalated volcanic rocks, largely altered to greenstone and phyllite; chert, jasper, greywacke, limestone; 4a, mainly chert, slate, argillite; minor greenstone; 4b, mainly greenstone; 4c, limestone, may include some 1*

5 — *Quartz-albite-amphibole gneiss; quartz-biotite schist, garnetiferous schist, augen gneiss, tremolite marble; mainly metamorphosed equivalents of 3 and 4, may be in part older than 3*

PERMIAN

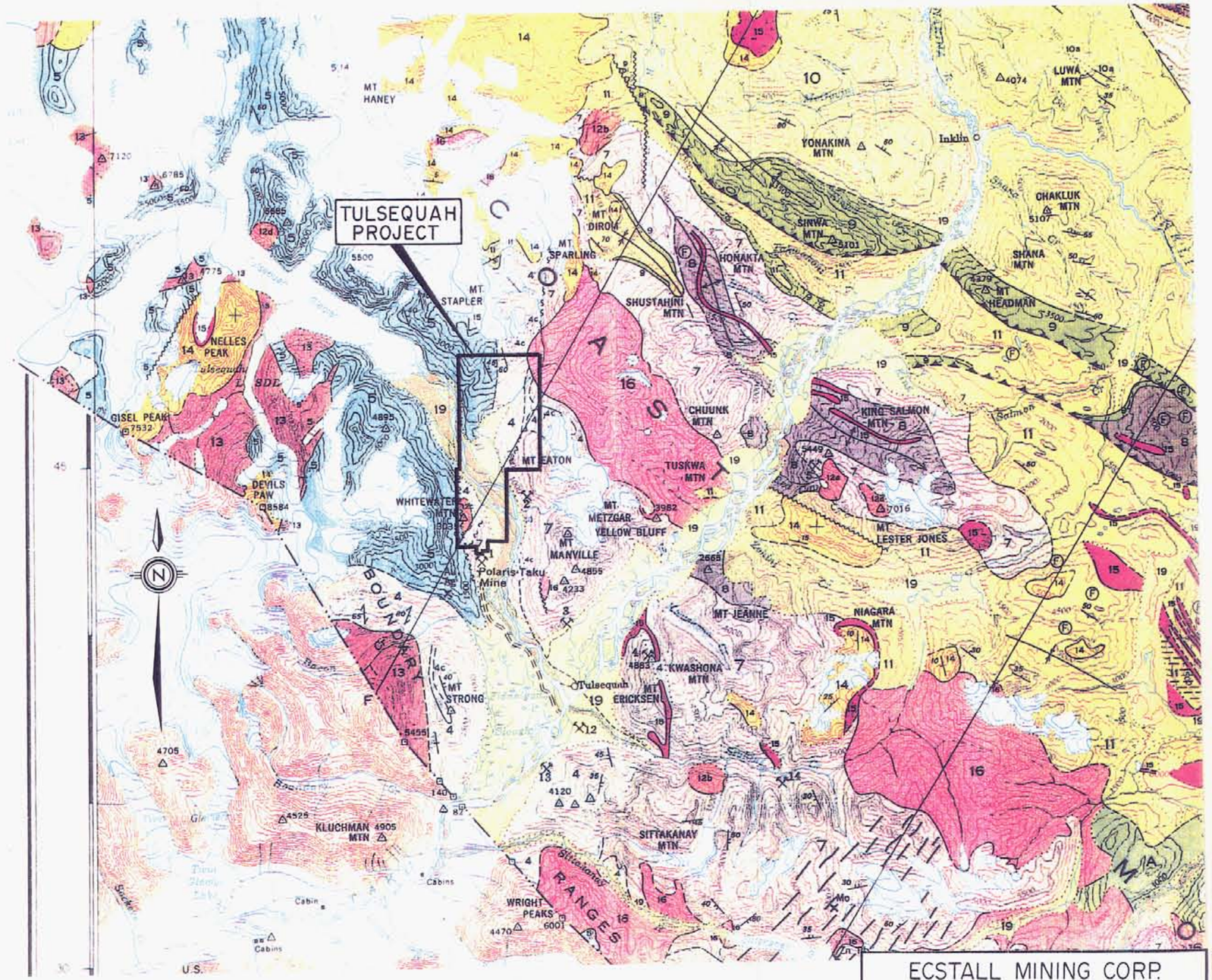
3 — *Chiefly limestone and dolomitic limestone; minor chert, argillite, sandy limestone*

PERMIAN (?)

1 2 — *May not all be of the same age. 1, Peridotite, serpentite, small irregular bodies of gabbro and pyroxene diorite. 2, Fine- to medium-grained gabbro and pyroxene diorite*

PALEOZOIC

A — *Diorite gneiss, amphibolite, migmatite; age unknown*



Addendum: From Map 1262A G.S.C. Memoir 362 by J. G. Souther

ECSTALL MINING CORP.

TULSEQUAH PROJECT

NICK 1-9 CLAIM GROUP
REGIONAL GEOLOGY

ATLIN MINING DIVISION, B.C

NICHOLSON & ASSOCIATES

Drawn. J.W.	Date. Dec. 1989	FIGURE 3
Scale. 1:250,000	N.T.S. 104 K	

Property Geology

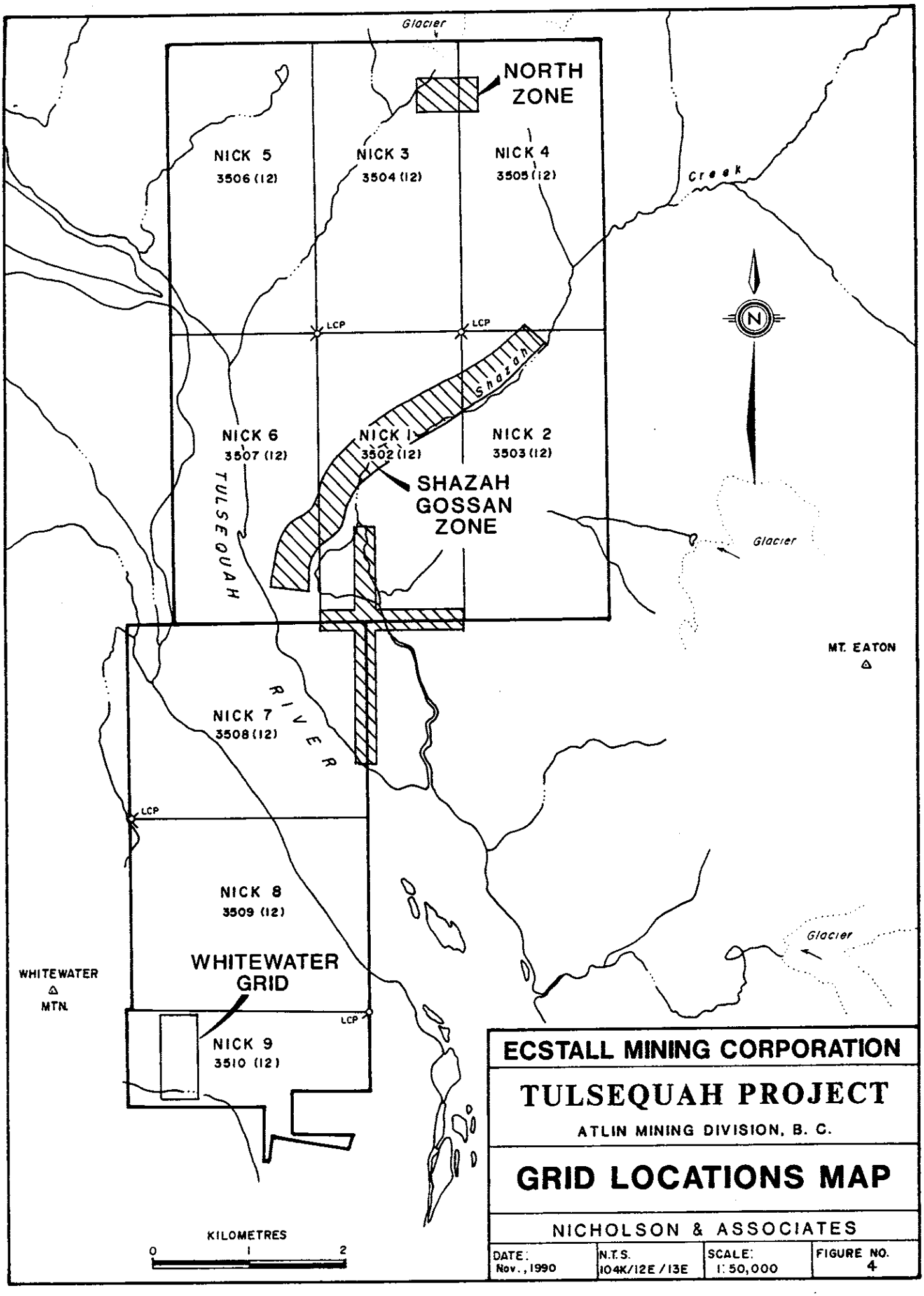
Fieldwork for the 1990 season focussed mainly on a geochemical sampling program. The property geology is largely derived from a map by Nelson and Gossan (1981) and is superimposed on geochemical plots in this report. For a detailed geologic interpretation of the claim area the reader is referred to the report on the ONO-OYA claims (Nelson, 1981, B.C.D.M. Assesment Report #9007).

Metamorphic rocks of the Coast Plutonic Complex dominate the south half of the property and outcrop on both sides of the Tulsequah River above the junction with Shazah Creek. The central area of the claim block, north of Shazah Creek, is entirely made up of Paleozoic rocks composed primarily of green andesites and flows (Figure 5). The Tulsequah sequence also includes dacite flows, limestone, chert, and thick sections of rhyolite north of Shazah creek. Rhyolite units are very important in this area as they are commonly associated with massive sulphide deposits (eg. Tulsequah Chief, Big Bull, Erickson-Ashby). Lower greenschist metamorphism affects the sequence commonly altering rhyolite to quartz sericite schist and recrystallizing limestone to coarse grained marble.

Felsic dyking occurs near the main Shazah Gossan (SG#1) subparallel to the foliation. Foliation measurements range between 140° and 190° with moderately steep dips ranging 45° to 80° W. A north trending fault separates rhyolite and andesite tuffs in the area of the Shazah Gossan #1.

Mineralization

Rock samples were collected from most areas of the claims although special attention was paid to the gossanous outcrops along Shazah Creek . Thirty-eight rock samples were taken, mostly from showings named Whitewater, Shazah, and the North Zone (Figure 4). Where mineralization in outcrop was encountered and some definable structure visible a chip sample was taken. The Rock Sample Description Record (Appendix 1) indicates some chip samples up to 4.0 m wide. Grab samples in most cases are from float boulders originating from inaccessible outcrop (cliffs) at higher elevations. Some grab samples are from outcrop or mineralized float in creekbeds while on creek traverses.



ECSTALL MINING CORPORATION

TULSEQUAH PROJECT

ATLIN MINING DIVISION, B. C.

GRID LOCATIONS MAP

NICHOLSON & ASSOCIATES

DATE:	N.T.S.	SCALE:	FIGURE NO.
Nov., 1990	104K/12E / 13E	1: 50,000	4

The North Zone showing is a massive sulphide lens containing 40 - 50% sulphides (TQCR-084, 085) consisting of, in order of relative decreasing amounts, pyrite-sphalerite-galena-stibnite. The lens is bedding parallel to the host limestone and 20 meters long varying in width from 30cm to 1m wide. The contact with the adjacent limestone is abrupt although some wall rock mineralization consisting of minor pyrite-galena-sphalerite (1-3%) occurs in the limestone. The mineralization in the limestone unit is probably the result of remobilization of sulphides from the adjacent dacite and andesite volcanics.

At the east end of the main Shazah gossan (Shazah Gossan #1) 1 to 2m wide zones of semi-massive sulphides are exposed for 50m along a cliff face. Shazah Gossan #1 chip samples contained 20% pyrite-pyrrhotite-pentlandite and trace to 1% chalcopyrite in a dark green andesitic tuff host rock. Analyses of these samples show anomalous Cu and Ni (TQCR-091, 093, 094). Sample TQMBR-278 was anomalous in Ag, Cu, Pb, and Zn.

A series of trench samples were taken from the fuchsite-carbonate showing at Whitewater. Weakly anomalous Ag and As was detected in some of these samples. The showing is located on a resistant silicified knob in a strongly deformed serpentinized ultramafic volcanic on the north shore of a small alpine lake. A zonal pattern of alteration was recognized as similar to that associated with a listwanite. Next to the core of silicification is a quartz-carbonate zone characterized by fine grained quartz and meta-carbonate rocks with abundant green chromium mica along foliations. Moving outward a grey-white talc-carbonate zone is encountered followed by a serpentine-carbonate zone which typically contains course grained magnesite and dolomite, and minor chromium and cobalt minerals. Gold values are frequently higher in quartz veins that cut listwanites or in listwanites themselves as at the Erickson mine in northwest B.C.(Dussel, 1986).

Geochemical Sampling and Results

Assessment work was carried out on the property between Aug 25/90 and Sept 6/90. The 1990 field season produced 37 rocks, 22 silts,and 243 soils from three general areas of the claim group (Figures 4, 5, and 8). A later phase of exploration included linecutting and soil sampling near the junction of the Tulsequah River and Shazah Creek in which an additional 129 soil samples were taken. A soil grid was set up on the North Zone to cover a massive sulphide showing in a thick sequence of limestone. Unfortunately the terrain over the showing was too steep to traverse and the grid had to be relocated further to the south and along strike of the limestone. Other soil grids were located near the headwaters of Whitewater Creek and in the lowlands of Shazah Creek near its junction with the Tulsequah River. Two follow up soil contour lines were run along the north bank of Shazah Creek to better delineate mineralized trends.

Two known showings on the North Zone and at Shazah Creek were resampled and additional prospecting resulted in the discovery of new zones of mineralization. A quartz-carbonate breccia zone containing fuchsite and minor sulphides was found at Whitewater Creek. Silt sediment sampling was used in reconnaissance creek traverses in the North Zone and Whitewater Creek areas. Geochemical sampling results are plotted on figures 5, 6, 9, 9a, and 9b.

Silt Geochemistry

Silt sediment samples were largely unsuccessful in detecting new anomalous areas. Sample TQCS-052 (anomalous in As, Ba, Cu, Mo) is bracketed by anomalous areas of soil geochem along the hillside north of Shazah Creek. This drainage is not very extensive and the source of the anomaly is probably nearby. Weakly anomalous Ba was detected in streams that drain icefields to the north near the North Zone (TQCS-016, 017, 018). The 1989 geochemical sampling programme, which was more regional in scope, detected weakly anomalous silt geochem in streams not covered by the 1990 programme.

Soil Geochemistry

The purpose of the soil sampling program was to detect mineralization by taking subsurface soils across suspected structural trends. Soil grids were constructed at the North Zone, Whitewater and near the mouth of Shazah Creek. The Shazah Creek grid was cut and picketed with samples taken at 50m intervals. Follow up contour soil line traverses proceeded across the hillside to the North of Shazah Creek. Contour soil samples were collected at regular 75m intervals across hillsides at approximately the same elevation. Gridded soil samples were taken at 50 or 25 m intervals depending on degree of detail required. A grubhoe was used to sample B horizon soils between 5-80cm depth. The samples were put in numbered high strength kraft paper bags and shipped to MIN-EN LABS Ltd.705 West 15th Street North Vancouver,B.C. for analysis. The results of the analysis are included in this report in Appendix 1.

Contour samples were taken along the north bank of Shazah Creek on two lines spaced 100m apart. Sample intervals were 75 m except where soil development was poor and a sample could not be obtained. A zone of anomalous soils is outlined starting at Shazah Gossan #1 and extending west 700 to 750 m. The soils are anomalous in Cu, Ag, and As. Copper values range from 207 to 478 ppm in a continuous line for 750 m. Silver values range from 1.0 to 20.8 ppm in the section. A similar narrow zone (200m) of anomalous Cu, Ag in soils was defined 400m southwest of this larger zone. Arsenic values reach as high as 1222 ppm and coincide with the areas of anomalous Cu and Ag. The anomalous zones are seen to cut across the lines, parallel to the bedding of underlying volcanic units indicating mineralization within the volcanics.

South of the contour soils a cut and picketed grid was sampled at 25m intervals along two perpendicular lines (2.6km and 1.3km long). Strings of consecutive Cu anomalies are detected at both ends of the east-west line. Copper values vary from a low of 202 ppm to a high of 637 ppm over a distance of 200m. Note that weakly anomalous As and trace Au values appear coincident with the anomalous Cu. Spotty Au anomalies occur on the south arm of the north-south line 1 to 1.5km from the intersection with the east-west line.

The North Zone grid was established to test the possibility of mineralization associated with the north striking (161°) limestone strata that occur there. Spotty Ag anomalies occur near the east edge of the grid however no significant trends can be seen in the resuts from this area.

Whitewater grid soils show a pattern of north trending anomalous Ag and Cu values. The trend of the anomaly runs parallel to the trace of the fault in Whitewater Creek. Mineralization in this area is commonly controlled by faults or mineralized veins associated with faulting as at Polaris-Taku.

Conclusions and Recommendations

The most promising results to date are in the area of the large gossan on Shazah Creek. Contour soil anomalies indicate a reasonably large area of anomalous Cu, Ag. Coincident anomalous rock geochemistry and a multiple element silt anomaly contribute to make this the best target for follow up. A cut line grid should be established for control on the slopes above these preliminary contour soil lines. Detailed grid soils (25m intervals) and a geophysical survey could then be carried out to help define anomalous areas and possible drill targets.

The massive sulphide showing at the North Zone produced some encouraging results although surface exposure is not very extensive. Assays of 0.162 oz/ton Au, 14.79 oz/ton Ag, 3.08% Pb, and 4.42% Zn over 1.3m widths are the best obtained. Anomalous rock geochem is reported for samples in the vicinity of the showing and in the same rock type. Prospecting along the strike of the limestone unit for similar massive sulphide showings is recommended. The limestone is fairly continuous south of the North Zone and should be traced down into Shazah Creek as far as possible.

Preliminary results at Whitewater Creek, although less encouraging, still warrant follow up because of the detection of anomalous As in the system. A greatly expanded grid is proposed for soil geochemistry and geophysics. Mapping, prospecting and silt sampling to the north of the 1990 soil grid especially along the prominent gorge should also be part of the program. Due to the nature of the fault structure and the occurance of listwanite alteration, this grid will have to be constructed at very tight spacings with particular emphasis along contacts.

STATEMENT OF COSTS

Re: Geochemical programme, nick claims Tulsequah River area Northwestern B.C. August 20-October 10, 1990.

Personnel		
C Church, B.Sc.	16.5 man days @ 275/day	$4,537.50
G. Barton	9.0 man days @ 240/day	2,160.00
M. Brown	16.5 man days @ 200/day	3,300.00
Helicopter		
@ $510/hour (fuel included)		5,895.60
@ $725/hour (fuel included)		507.50
Fixed Wing		
Vehicle (1) 4 x 4 truck	17 days @ $50/day	850.00
Room & Board		
45 man days @ $40/day		???.??
Field Supplies		
31 man days @ $20/day		620.00
Samples		
37 rock @ $20/sample		740.00
243 soil @ $20/sample		4,860.00
22 silt @ $20/sample		440.00
Mob/Demob		2,500.00
Expenses		790.68
Expenses & 5% Accounting Fee		830.21
Filing Fees		2,265.00
Radio Rentals		
(1) 4441 Radio		300.00
(3) Handheld Radios @ $8/day/radio		408.00
Report Writing, Drafting, Reproduction		3,500.00
G. Clark & Associates		
Linecutting & Soil Sampling		10,000.00
TOTAL		~~**$46,380.79**~~

44115.79

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Statements of Qualifications

I, Calvin L. Church do hereby certify that:

1) I am a graduate of the University of British Columbia, BSc.Geology and have worked in the mineral industry since 1986, throughout B.C.

2) I am a contract geologist with principal residences at 2292 West 49 th Ave, Vancouver, B.C.

3) I worked as a field geologist for Nicholson and Associates on the Nick claims between August 25, 1990 and September 6, 1990.

4) I am the author of this report and my findings are based on my observations in the field and on previously published literature available for the area.

5) I have no interest, direct or indirect, in Ecstall Mining Corp. nor any of its properties, nor do I expect to recieve any such interest.

Dated at Vancouver, British Columbia, this 14th day of November, 1990.

Calvin Church BSc.

APPENDIX 1

Sample Descriptions
and Results

ROCK SAMPLE DESCRIPTION RECORD

Page:		Project:	Location:			Operator:		
Sample No.	Location	Description	Analytical Results					
			Au ppb	Ag ppm	Cu ppm	Pb ppm	Other	
TQCR064	Shazah	Andesite tuff - pale green, iron oxide staining calcite veining trace fg. sulphides.	5	3.6	255	20		
TQCR-072	Whitewater	Grab - float, chloritic mica schist. irregular calcite veining up to 3 cm, malachite stained on surfaces. trace py, trace ga.		0.3	45	32		
TQCR-074	Whitewater	Chip (3m) - Quartz-carbonate breccia zone. Orange red carbonate weathering on exposed surfaces. Pale green and buff color dominant on fresh surfaces. pyrite 1%, arsenopy trace. Suspected fault nearby, well foliated, fuchsite content high (5%) especially along foliation.		6.3	2014	31		
TQCR-075	Whitewater	Chip (2m) - same as above. from same showing.		2.7	37	9		
TQCR-076	Whitewater	Chip (2m) - s.a.a.		1.7	66	17		
TQCR-077	Whitewater	Chip (1m) - s.a.a.		2.5	14	9		
TQCR-080	Whitewater	Grab - Foliated quartzite, minor muscovite contained no visible sulphides.		0.8	42	30		
TQCR-083	Whitewater	Grab - float boulder 1.5m dia. Hydrothermal qtz in argillite (qtz 30%). Rusty stained. no visible sulphide.						

Page:		Project:	Location:			Operator:		
Sample No.	Location	Description	Analytical Results					
			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Sb ppm
TQCR-085	North Zone	Chip (1.3m) - Semi-massive sx. lens within grey to white Lst. beds. Minor brecciation with sulphides concentrated along closely spaced fractures.Similar mineralogy as TQCR-011.	3900	391.0	424	21782	28517	8326
TQCR-086	North Zone	Chip (0.6m) - Semi-massive sulphide lens. Sample taken across same sx. lens as in TQCR-085 only 10m further along strike.	2400	598.0	896	7509	82020	1590
TQCR-087	North Zone	Chip (0.6m)- Adjacent wall rock next to massive sx. in sampleTQCR-086. Bluish Lst. host	5	16.9	26	332	1141	103
TQCR-088	North Zone	Chip (0.2m) - footwall mineralization, disseminated py-ga-sph in Lst.	5	20.8	24	268	929	63
TQCR-089	North Zone	Chip (1.8m) - Argillite/shale bed within Lst. strata mineralized with diss. py and fuchsite in foliations.	5	4.1	86	83	326	30
TQCR-090	North Zone	Chip (0.9m) - Lst. breccia adjacent M.S. lens and sample TQCR-085.	5	4.6	12	10	225	15
TQCR-091	Shazah	Grab - Boulder float (3m dia), Contains massive py-pyrrhotite, trace cpy. Host rock, Dacitic tuff.	5	1.7	1173	10		
TQCR-092	Shazah	Grab - Flow banded Dacite/Rhyolite, qtz-epidote veining up to 1cm, py 1-3%.	10	1.3	79	29		
TQCR-093	Shazah	Dacite lapilli tuff- subcrop, contains py 3%, cpy 1%, trace pyrrhotite	5	2.4	1796	46		
TQCR-094	Shazah	Chip (2.1m) - Dacite lapilli tuff containing semi-massive sx. py and pyrrhotite 10-15%.	5	0.8	82	10		

ROCK SAMPLE DESCRIPTION RECORD

Page:		Project:	Location:			Operator:		
Sample No.	Location	Description	Analytical Results					
			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Sb ppm
TQCR-010	North Zone	Chip (1m) - Lst breccia. dark matrix. malachite on surfaces of calcite veins.	5	3.6	28	59	85	25
TQCR-011	North Zone	Grab - Float boulder (50 cm), semi-massive sx. sulphides concentrated along thin closely spaced bands.sx:py-ga-sph-stibnite.Qtz-carbonate matrix.	9800	633.6	987	51061	51653	28147
TQCR-012	North Zone	Grab - Dark gr. andesitic schist, thin interbedded Lst layers (30-40 cm).Qtz veinlets (0.5-3 cm) with py 1-2% along schistocity.	40	23	385	1289	1060	656
TQCR-013	North Zone	Grab - Qtz-Lst. breccia next to grey Lst bed.Mal. on fracture surfaces.Chalcedonic veining (1-3mm),no visible sx.	5	14.3	25	825	559	434
TQCR-020	Shazah	Dark gr. siliceous andesite tuff. Plag. phenocrysts (2-3mm). py2-4%, ga. tr.-1%.	5	4.7	49	230	215	109
TQCR-021	Shazah	Silicified andesite tuff - semi-massive py 10-15%.	5	2.3	139	137	137	61
TQCRO22	Shazah	Chip (0.5m) - massive py 30-40% in dk.gr. siliceous andesite.	10	1.0	225	81	93	35
TQCR-051	Shazah	Grab - Grey siliceous andesite, weakly foliated, diss. py 1% and in blebs, trace arsenopy.	5	6.3	257	227	223	74
TQCR-084	North Zone	Chip (1.7m) - Rusty stained dense white Lst.Sample is taken across hanging wall of massive sx. lens. Disseminated sx. mineralization 3-4% py-ga-sph.	10	25.8	149	372	1513	111

	ROCK SAMPLE DESCRIPTION RECORD							
Page:		Project:	Location:			Operator:		
Sample No.	Location	Description	Analytical Results					
			Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Sb ppm
TQMBR-220	Shazah	Chip (1m) - Siliceous green andesitic tuff. massive pyrite across 1m width.	10	2	285	31		
TQMBR-221	Shazah	Chip (1m) - Quartz breccia in silicified green volcanics. py 5-10%.	20	2.8	315	27		
TQMBR-244	Shazah	Grab - Siliceous dacite tuff, pale green, pyritic.	5	2.2	2299	82		
TQMBR-245	Shazah	Grab - same as above (TQMBR-244).	10	1.4	260	14		
TQMBR-274	Whitewater	Chip (3m) - Carbonate alteration zone. Breccia Lst. clasts in blocky weathering felsite. Fuchsite 2-5%, trace py. concentrated along weak foliation.	5	5.8	37	55	392	35
TQMBR-278	Shazah	Chip (2m) - Dacite lapilli tuff. o/c is bright orange-red gossan 50m wide. contains semi-massive py-pyrrhotite. pentlandite 1-2%. cpy tr.-1%.	5	17.7	3152	615	887	239
TQCR-003	North Zone	Foliated dk. green andesite tuff. stringers of qtz-carbonate in thin shears.	5	3.1	52	181		
TQCR-006	North Zone	Chip (2m) - Isoclinally folded blue-grey Lst. rusty buff colored layers stained with malachite.	5	2.5	13	44		
TQCR-007	North Zone	Grab - Fault (40 cm wide) with Lst and argillite breccia clasts common. py 2%, trace cpy,mal. stain.	5	3.8	27	176		
TQCR-008	North Zone	Chip (4m) - Well deformed qtz-mica (muscovite) schist. taken from gossanous knoll 20 sq. meters	10	1	63	84	215	3
TQCR-009	North Zone	Chip (1.5m) - Quartz- musc. schist. tightly foliated. contains py 1-3%, + mal. in quartz dominant layers.	160	33.2	57	2068	1395	840

COMP: NICHOLSON & ASSOCIATES
PROJ: TULSEQUAH
ATTN: G.NICHOLSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0478-RJ1+2
DATE: 90/09/19
• ROCK • (ACT:F31) PAGE 2 OF 2

SAMPLE NUMBER	CR PPM	AU PPB	HG PPB
TQ-MB-R-220	15	10	75
TQ-MB-R-221	54	20	45
TQ-MB-R-224	41	5	40
TQ-MB-R-225	29	10	75
TQ-CR-003	49	5	120
TQ-CR-006	48	5	100
TQ-CR-007	103	5	210
TQ-CR-008	77	10	90
TQ-CR-009	39	160	220
TQ-CR-010	85	5	90
TQ-CR-011	1	9800	9125
TQ-CR-012	87	40	185
TQ-CR-013	60	5	125
TQ-CR-020	23	5	105
TQ-CR-021	19	5	90
TQ-CR-022	13	10	55
TQ-CR-051	10	5	105
TQ-CR-R-274	1009	5	120
TQ-CR-R-278	1	5	80
TQ-CR-084	55	10	185
TQ-CR-085	1	3900	12125
TQ-CR-086	35	2400	10875
TQ-CR-087	21	5	205
TQ-CR-088	108	5	135
TQ-CR-089	29	5	110
TQ-CR-090	68	5	80
TQ-CR-091	1	5	55
TQ-CR-092	26	10	75
TQ-CR-093	1	5	70
TQ-CR-094	820	5	60
TQ-CR-064	250	5	45

COMP: NICHOLSON & ASSOCIATES
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ATTN: G.NICHOLSON

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(604)980-5814 OR (604)988-4524

FILE NO: 90-0478-RJ1+2
DATE: 90/09/19
* ROCK * (ACT:F31) PAGE 1 OF 2

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM
TQ-MB-R-220	2.0	17610	46	7	25	.6	9	7900	.1	37	285	107290	320	7	17170	409	3	190	17	810	31	8	14	1	1	63.2	43	1	1	1
TQ-MB-R-221	2.8	9410	27	2	8	1.2	4	23260	.4	26	315	47190	160	5	14550	784	4	160	45	360	27	7	2	1	1	39.9	51	1	1	1
TQ-MB-R-224	2.2	11940	1	1	27	.7	5	8620	.1	23	299	39190	2000	7	9310	178	15	1140	14	850	82	23	9	1	1	58.1	49	1	1	1
TQ-MB-R-225	1.4	10890	1	1	27	.5	5	14700	.1	21	260	36910	1930	6	9030	158	17	880	9	780	14	1	8	1	1	49.2	29	1	1	1
TQ-CR-003	3.1	17780	70	3	135	.4	2	29090	.1	9	52	31730	4770	16	6990	558	1	1450	6	380	181	48	29	1	1	29.1	103	1	1	1
TQ-CR-006	2.5	4490	94	1	27	.1	3	150030	.7	5	13	10000	1060	7	8590	251	5	660	26	270	44	9	58	1	1	16.9	23	2	1	1
TQ-CR-007	3.8	9810	356	4	49	.7	2	51050	4.2	10	27	27300	3220	7	46570	295	8	730	54	410	176	79	20	1	1	32.0	122	1	2	1
TQ-CR-008	1.0	11040	62	2	74	.6	2	12940	6.6	12	63	24370	4890	5	4990	773	8	520	24	1560	84	3	16	1	1	42.4	215	1	1	1
TQ-CR-009	33.2	12710	571	1	413	.7	2	9590	16.9	15	57	37870	4790	5	5500	610	3	350	1	1040	2068	840	10	1	1	20.6	1395	1	1	1
TQ-CR-010	3.6	10460	4	3	60	.5	3	71710	.1	11	28	26760	2010	14	47890	1689	1	140	56	520	59	25	67	1	1	42.0	85	1	2	1
TQ-CR-011	633.6	2180	29455	12	11	.1	6	33600	858.9	18	987	117220	550	2	14550	13466	16	850	63	290	51061	28147	11	1	1	16.8	51653	1	3	1
TQ-CR-012	23.0	13790	598	1	233	.3	2	28580	16.1	22	385	55840	4320	7	10010	724	4	370	9	220	1289	656	6	1	1	78.3	1060	1	1	1
TQ-CR-013	14.3	1660	77	1	20	.2	2	88830	.9	6	25	10240	730	1	89260	436	1	50	18	60	825	434	50	1	1	22.1	559	1	2	1
TQ-CR-020	4.7	11550	78	2	26	.1	8	14490	.5	37	49	58010	1190	4	11210	362	130	1010	1	2410	230	109	14	1	1	62.2	215	1	1	1
TQ-CR-021	2.3	6160	20	1	13	.2	7	11690	.1	107	139	79620	710	1	4620	130	1	390	100	600	137	61	15	1	1	29.7	137	1	1	1
TQ-CR-022	1.0	12740	89	7	20	.1	27	7200	.1	79	225	173670	810	5	10820	207	5	150	18	610	81	35	13	1	1	59.5	93	1	2	2
TQ-CR-051	6.3	18050	1	1	15	.1	10	14050	.1	27	257	54010	1140	4	9630	528	4	2010	9	830	227	74	23	1	1	75.8	223	1	1	1
TQ-CR-R-274	5.8	6320	97	2	117	1.1	2	19290	.1	57	37	40780	1400	10	75110	949	1	70	1051	270	55	35	10	1	1	33.0	392	1	1	7
TQ-CR-R-278	17.7	870	1	14	3	.1	6	13000	.1	125	3152	313330	140	1	3810	827	1	10	1	20	615	239	7	1	1	1.9	887	1	1	1
TQ-CR-084	25.8	2730	244	1	17	.4	4	146710	17.1	12	149	23600	1050	1	10660	996	2	50	50	380	372	111	3	1	1	19.5	1513	2	1	1
TQ-CR-085	391.0	1690	11546	8	14	.1	7	66160	445.6	14	424	103890	570	1	12030	17714	4	30	29	240	21782	8326	14	1	1	14.2	28517	1	2	1
TQ-CR-086	598.0	1790	1591	12	6	.1	7	44270	740.7	13	896	79750	420	2	23230	15366	26	20	46	230	7509	1590	14	1	1	18.7	82020	1	2	1
TQ-CR-087	16.9	600	223	1	7	.1	4	161810	11.8	3	26	8130	320	1	10710	1205	6	550	9	140	332	103	42	1	1	13.0	1141	3	1	1
TQ-CR-088	20.8	2000	1	1	11	.3	2	103470	1.6	7	24	19470	780	1	72020	4734	1	70	52	110	268	63	42	1	1	28.7	929	1	1	1
TQ-CR-089	4.1	15950	56	3	47	.8	3	55130	2.9	13	86	39330	2410	34	20700	847	4	930	22	370	83	30	22	1	1	42.3	326	1	1	1
TQ-CR-090	4.6	2240	1	1	11	.7	1	81010	.1	6	12	10080	900	1	95690	465	1	60	27	80	10	15	37	1	1	19.5	225	1	2	1
TQ-CR-091	1.7	590	1	65	2	.1	1	10040	.1	73	1173	182300	120	1	103520	656	1	10	1	10	10	14	11	1	1	15.1	172	1	4	1
TQ-CR-092	1.3	7730	158	1	13	.1	4	7830	1.0	9	79	25690	850	3	7110	224	1	220	14	290	29	4	9	1	1	18.2	69	1	1	1
TQ-CR-093	2.4	560	29	4	3	.1	8	28040	.1	82	1796	114990	130	1	3490	410	1	10	1	270	46	19	1	1	1	3.9	81	1	1	1
TQ-CR-094	.8	4030	1	2	81	1.1	1	5550	.1	53	82	35970	720	6	111140	595	1	40	1008	120	10	2	15	1	1	25.8	81	1	2	4
TQ-CR-064	3.6	27970	1	6	666	.6	8	12820	.1	26	255	41170	12560	6	25110	422	56	2590	144	640	20	2	16	1	1	138.1	69	1	1	2

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

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CHEMISTS - ASSAYERS - ANALYSTS - GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER B.C. CANADA V7M 1T2
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THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OS-0478-RA1

Company: NICHOLSON & ASSOCIATES
Project: TULSEQUAH
Attn: G.NICHOLSON

Date: SEP-19-90
Copy 1. NICHOLSON & ASSOC., VANCOUVER, B.C.
2. NICHOLSON & ASSOC., C/O MIN-EN LABS

We hereby certify the following Assay of 3 ROCK samples submitted SEP-10-90 by MIKE BROWN.

Sample Number	AU g/tonne	AU oz/ton	AG g/tonne	AG oz/ton	PB %	ZN %
TQ-CR-011	12.00	.350	1235.0	36.02	8.40	6.98
TQ-CR-085	5.54	.162	507.0	14.79	3.08	4.42
TQ-CR-086	3.47	.101	1020.0	29.75	.99	11.20

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

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SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Metallic Assay Certificate

OS-0479-RM1

Company: NICHOLSON & ASSOCIATES
Project: TALSEQUAH
Attn: GEORGE NICHOLSON

Date: SEP-18-90
Copy 1. NICHOLSON & ASSOC., VANCOUVER, B.C.
2. NICHOLSON & ASSOC., C/O MIN-EN LABS

We hereby certify the following Metallic Assay of 7 ROCK samples submitted SEP-16-90 by MIKE BROWN.

Sample Number	Total Wt (g)	+120 M Wt (g)	Assay Value Au +120(g/t)	Assay Value Au -120(g/t)	Total Weight Au +120(mg)	Total Weight Au -120(mg)	Metallic Au (oz/ton)	Metallic Au (g/t)	Net Au (oz/ton)	Net Au (g/t)
TQ-CR-074	1556.77	56.77	.01	.01	0.001	0.015	0.000	0.00	0.000	0.01
TQ-CR-075	1282.11	32.11	.02	.01	0.001	0.012	0.000	0.00	0.000	0.01
TQ-CR-076	1186.01	23.01	.01	.01	0.000	0.012	0.000	0.00	0.000	0.01
TQ-CR-077	685.47	26.47	.01	.01	0.000	0.007	0.000	0.00	0.000	0.01
TQ-CR-080	855.37	17.37	.03	.01	0.001	0.008	0.000	0.00	0.000	0.01
TQ-CR-083	719.05	11.05	.06	.01	0.001	0.007	0.000	0.00	0.000	0.01
TQ-CR-072	1200.22	35.22	.01	.01	0.000	0.012	0.000	0.00	0.000	0.01

Certified by _____

MIN-EN LABORATORIES

COMP: NICHOLSON & ASSOCIATES
PROJ: TALSEQUAH
ATTN: GEORGE NICHOLSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0479-BJ
DATE: 90/09/2(
* MOSS * (ACT:F31

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	HG PPB
TQ-MB-229	1.0	11760	192	3	170	.5	2	14170	13.8	12	236	40480	1650	16	9930	1439	11	1920	38	920	60	8	23	1	1	37.4	690	1	1	1	12	5	120
TQ-MBM-275	.8	24580	1	1	174	.5	3	6570	.1	26	125	40780	2390	29	27440	1148	1	140	56	870	6	1	5	1	1	91.0	106	1	1	1	61	5	115
TQ-CM-073	1.1	22460	1	1	208	.4	4	7860	.1	24	129	41410	1980	29	25970	1237	1	100	53	900	8	1	7	1	1	98.5	98	1	2	1	63	5	80
TQ-CM-078	.6	19990	1	1	134	.7	2	7580	.9	32	81	28320	1450	24	11820	2454	2	140	276	1460	28	1	8	1	1	65.5	158	1	1	2	79	5	165
TQ-CM-079	1.1	14740	1	1	109	.7	2	13070	1.1	25	101	15440	1410	11	5060	1124	3	2320	105	2030	32	1	15	1	1	24.4	202	1	1	1	29	5	200
TQ-CM-081	.7	15270	1	1	142	.7	3	9790	.6	37	96	33510	1400	14	9070	3095	3	1950	154	1620	44	1	11	1	1	45.4	219	1	1	1	32	5	190
TQ-CM-082	.8	16230	1	1	197	.4	2	9330	.1	20	80	30540	1700	19	11470	1527	2	140	122	1440	15	1	19	1	1	62.8	117	1	1	1	72	5	180

COMP: NICHOLSON & ASSOCIATES
PROJ: TALSEQUAH
ATTN: G. NICHOLSON/ C. CHURCH

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0479-RJ1
DATE: 90/11/09
* PULP * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
TQ-CR-074-120 MESH	6.3	970	1	17	41	.1	6	38070	.1	82	2014	157300	120	7	4300	919	1	1170	21	440	31	9	8	1	1	10.9	28	1	7	1	1
TQ-CR-075-120 MESH	2.7	5520	342	15	99	1.1	1	4650	.1	55	37	39830	70	18	105100	1163	1	1410	957	1540	9	2	30	1	1	35.8	63	1	3	5	1384
TQ-CR-076-120 MESH	1.7	4950	220	14	249	1.3	3	890	.1	35	66	32570	1650	13	59440	568	1	1630	585	190	17	7	13	1	1	26.4	73	1	2	2	533
TQ-CR-077-120 MESH	2.5	4950	379	10	111	1.4	1	8740	.1	53	14	31820	240	15	113830	675	1	40	1095	3280	9	7	37	1	1	35.2	62	1	3	6	1598
TQ-CR-080-120 MESH	.8	2170	116	6	98	.5	3	4950	.1	7	42	12680	1360	4	5970	460	6	1820	50	250	30	2	13	1	1	16.6	66	1	1	1	291
TQ-CR-072-120 MESH	.3	8670	93	5	297	.7	6	220	.1	7	45	21700	2360	9	6800	256	12	1600	34	340	32	1	4	1	1	35.4	57	2	1	1	276

COMP: NICHOLSON & ASSOCIATES
PROJ: TULSEQUAH
ATTN: G.NICHOLSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 90-0478-SJ11
DATE: 90/09/19
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	HG PPB
TQMB-D 272	2.3	32430	27	5	56	1.1	5	890	.1	10	67	44770	500	11	3150	154	10	70	5	360	53	2	5	1	1	77.3	55	1	1	1	24	5	230
TQMB-D 273	2.2	37750	974	9	112	1.4	7	490	9.3	14	215	85790	1440	13	9060	155	30	910	32	500	73	9	6	1	1	156.4	73	2	1	1	54	20	215
TQCS 001	2.3	19480	4	4	84	1.3	3	20580	.1	20	94	37710	1290	24	23250	731	1	100	39	1210	30	5	25	1	1	82.7	76	1	2	1	64	5	35
TQCS 002	2.6	18850	37	3	95	1.0	2	29220	.1	19	106	36470	1210	23	22900	765	1	90	40	1140	34	5	41	1	1	79.3	69	2	1	1	60	10	55
TQCS 004	2.4	18730	25	3	116	1.2	3	30090	.1	20	101	37780	1300	23	22840	782	1	80	35	1220	37	1	45	1	1	80.5	77	1	1	1	57	5	30
TQCS 005	1.8	21570	1	3	78	.9	2	16840	.1	22	78	40460	1550	21	29140	778	1	70	56	980	33	1	13	1	1	94.9	70	1	1	1	96	5	60
TQCS 014	1.5	19100	15	2	84	.8	2	17590	.1	16	49	37750	1400	24	19990	847	1	90	16	1270	19	1	20	1	1	75.4	64	1	1	1	35	5	45
TQCS 015	1.2	20240	14	3	95	.8	2	17760	.1	17	60	39420	1560	26	20970	883	1	90	22	1360	20	1	22	1	1	79.9	67	1	1	1	39	10	65
TQCS 016	.7	11470	29	1	173	.3	2	7580	.1	12	18	32920	1390	21	6800	1004	1	90	1	1620	25	1	13	1	1	33.7	79	1	1	1	1	5	55
TQCS 017	.6	9310	29	2	271	.8	2	7100	.1	13	23	34160	1840	17	5280	821	1	70	3	1290	33	1	15	1	1	36.7	70	1	1	1	1	5	55
TQCS 018	.4	10790	42	1	181	1.0	2	8280	.1	13	20	33580	1670	17	7410	773	1	70	8	1360	37	1	18	1	1	33.4	88	1	1	1	1	5	60
TQCS 019	.3	10810	60	1	159	.9	2	7600	.3	12	19	33250	1980	16	6850	776	1	70	8	1290	51	1	17	1	1	32.3	93	1	1	1	1	5	80
TQCS 052	1.5	17330	357	4	239	1.3	16	7300	2.0	27	623	68730	1690	19	10160	611	75	230	11	1020	51	7	19	1	1	55.8	79	1	1	1	1	10	70
TQCS 095	.5	17790	31	3	248	.6	3	4910	.1	21	75	41360	2320	19	10950	1136	5	100	78	1010	23	1	14	1	1	71.4	143	1	1	1	49	5	50
TQCS 276	.7	26920	1	2	169	.2	5	6190	.1	29	130	44750	1950	31	29340	1505	1	1360	58	820	15	1	6	1	1	98.0	107	1	1	1	63	5	115
TQCS 277	.9	24830	1	2	150	.4	4	5850	.1	27	110	42940	1900	28	26880	1235	1	130	54	900	13	1	6	1	1	91.9	89	1	1	1	57	5	50
TQCS 279	.5	11100	9	1	152	.5	2	5160	.1	10	31	25590	1780	13	5670	723	2	1340	20	690	30	1	12	1	1	38.7	112	1	1	1	3	5	75

COMP: NICHOLSON & ASSOCIATES
PROJ: TULSEQUAH
ATTN: G.NICHOLSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 90-0478-SJ3+4
DATE: 90/09/19
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	HG PPB
0+00E 1+00N	.9	22590	1	3	146	.9	2	4680	.1	25	125	40130	1380	28	24210	1607	1	80	57	830	14	1	5	1	1	86.8	89	1	2	2	51	5	95
0+00E 1+50N	.6	24200	1	3	267	.9	3	4030	.1	29	71	43560	2300	29	25570	2527	1	450	44	1000	14	1	5	1	1	95.6	86	1	2	1	56	5	75
0+00E 2+00N	.9	23830	1	3	217	.9	3	5580	.1	27	113	42420	2010	31	27050	1377	1	90	54	940	15	1	5	1	1	91.5	77	1	3	1	54	5	125
0+00E 2+50N	.8	21700	1	2	236	.9	3	5260	.1	23	128	37830	2390	26	24510	1353	1	100	52	850	15	1	6	1	1	79.2	89	1	9	1	47	5	190
0+00E 3+50N	.5	18600	1	1	209	.5	3	4180	.1	21	84	33960	1850	21	20460	1375	1	580	43	760	23	1	5	1	1	71.7	87	1	2	1	39	5	95
0+00E 4+50N	1.0	26010	1	1	132	.3	4	5730	.1	28	76	43820	2250	28	28510	1464	1	100	53	1200	5	1	6	1	1	101.6	86	1	4	2	66	5	40
L1+00N 0+50E	.7	25660	1	21	199	.5	3	6250	.1	29	104	47330	2220	28	28730	2407	1	140	56	910	12	1	4	1	1	102.6	107	1	4	2	61	5	65
L1+00N 1+00E	.9	22210	1	2	160	.7	3	5410	.1	25	110	42660	2150	25	25710	1781	1	90	54	1150	5	1	5	1	1	92.7	96	1	4	2	59	5	45
L1+00N 1+50E	1.0	25220	1	3	106	.3	3	3930	.1	29	125	48250	1500	28	28170	2028	1	70	50	990	10	1	5	1	1	104.2	87	1	3	1	61	5	25
L1+00N 2+00E	1.1	25480	1	2	121	.4	2	4760	.1	27	98	47620	1670	29	28620	1390	1	480	53	940	12	1	5	1	1	104.1	89	1	3	1	60	5	40
L1+00N 2+50E	.5	33580	1	3	71	.6	3	1830	.1	31	159	54340	980	43	27640	2614	1	80	65	480	14	1	3	1	1	117.5	103	1	2	2	66	5	50
L1+00N 3+00E	.6	32150	1	3	79	.7	3	2020	.1	27	48	54070	920	33	30040	702	1	70	52	560	5	1	4	1	1	125.1	99	1	3	2	65	5	65
L1+00N 4+00E	.8	23220	1	1	142	.4	3	4760	.1	25	84	41560	1650	27	26030	1427	1	70	44	940	5	1	6	1	1	91.3	86	1	3	1	56	5	35
L2+00N 0+50E	.7	22150	1	1	209	.7	3	5680	.1	24	111	40100	2090	27	25640	1458	1	690	45	1190	18	1	6	1	1	87.0	83	1	3	1	48	5	40
L2+00N 1+00E	.4	15280	1	1	164	.6	2	3350	.1	18	94	28390	1310	19	16870	1197	1	650	45	800	18	1	5	1	1	56.8	76	1	2	1	34	5	55
L2+00N 1+50E	.5	21690	1	2	197	.8	3	4510	.1	24	113	38210	1860	25	22320	1664	1	100	54	790	21	1	6	1	1	80.6	98	1	2	1	47	5	55
L2+00N 2+00E	.6	19560	1	1	153	.2	3	4510	.1	22	109	36540	1760	24	20510	1285	1	90	46	980	14	1	6	1	1	77.0	89	1	2	1	41	5	60
L2+00N 3+50E	.6	21730	1	2	81	.6	3	2350	.1	25	40	42410	1110	18	19960	1685	9	480	66	1200	23	1	7	1	1	100.7	99	1	3	4	120	5	15
L2+00N 4+00E	1.2	10530	1	1	73	.1	6	540	.1	13	30	50370	590	5	6100	153	9	430	36	700	17	1	5	1	1	115.8	50	1	2	5	171	5	115
L2+00N 4+50E	1.0	15570	4	1	37	.1	4	830	.1	11	18	40440	460	8	7380	170	3	50	25	700	18	1	4	1	1	104.3	32	2	2	3	77	10	200
L3+00N 0+00E	1.1	23830	1	1	261	.4	2	5910	.1	25	136	42920	2540	28	27190	1454	1	410	56	650	26	1	5	1	1	91.6	95	1	2	1	60	5	50
L3+00N 0+50E	1.2	23040	1	1	290	.5	3	5840	.1	25	145	43950	2790	28	26890	1743	1	100	64	860	13	1	6	1	1	91.1	95	1	2	1	55	5	80
L3+00N 1+00E	1.0	19720	1	1	246	.1	3	5510	.1	23	113	37750	2640	23	23320	1506	1	500	57	940	20	1	6	1	1	78.4	83	1	8	1	47	5	65
L3+00N 1+50E	.7	18210	1	1	261	.5	3	4640	.1	21	105	34220	2260	21	21430	1484	1	90	53	730	14	1	5	1	1	70.2	79	1	3	1	40	5	70
L3+00N 2+00E	.5	24870	1	2	331	.6	4	5660	.1	28	151	45100	2470	29	27530	2909	1	510	70	690	16	1	7	1	1	92.1	113	1	3	1	54	5	60
L3+00N 2+50E	.6	19820	1	1	204	.4	3	5150	.1	17	77	34560	1280	22	18270	566	1	620	34	940	20	1	8	1	1	85.4	73	1	3	2	44	5	35
L3+00N 3+00E	.5	18280	1	1	225	.6	3	4560	.1	21	96	33010	2160	22	21130	1294	1	380	50	760	13	1	5	1	1	68.8	87	1	3	1	39	5	30
L3+00N 3+50E	.4	27610	1	3	59	1.0	4	1310	.1	26	123	54410	580	21	18010	751	2	650	92	900	25	1	6	1	1	119.7	81	1	3	4	121	5	80
L3+00N 4+00E	1.7	41300	1	5	22	.1	6	4260	.1	38	52	76390	260	30	33180	559	1	20	124	1270	5	1	7	1	1	199.4	79	1	3	6	249	5	40
L3+00N 4+50E	.3	20670	1	2	55	.4	2	840	.1	22	48	42800	780	20	19920	1638	6	20	51	1210	16	1	6	1	1	91.0	89	1	3	3	116	5	35
L4+00N 0+00E	2.5	20580	1	2	174	.1	3	5050	.1	23	79	38000	2010	25	23180	1373	1	100	50	850	24	1	8	1	1	82.5	93	1	1	1	51	5	60
L4+00N 0+50E	2.9	22300	1	3	262	1.0	3	4900	.1	26	116	41030	2670	27	24350	1950	1	1170	67	770	27	1	7	1	1	85.3	111	1	2	1	49	5	50
L4+00N 1+00E	1.3	18300	1	3	184	.5	2	4900	.1	23	63	34630	1410	21	19640	1738	1	1510	45	920	34	1	7	1	1	78.0	95	1	1	1	46	5	45
L4+00N 1+50E	.9	14900	1	1	176	.7	2	4820	1.0	20	44	27850	1470	16	16050	1554	1	1190	34	990	26	1	7	1	1	63.7	79	3	1	1	35	5	80
L4+00N 2+00E	1.0	5480	10	1	234	.2	1	14440	.3	10	28	11210	790	6	6320	938	2	3130	24	1110	40	1	11	1	1	24.6	156	1	1	1	23	5	110
L4+00N 2+50E	.8	15030	1	1	123	.8	3	4030	.1	16	95	28290	1350	19	15840	774	1	110	38	990	18	1	6	1	1	60.9	72	1	1	1	33	5	40
L4+00N 3+50E	1.0	14080	1	1	49	.3	3	940	.1	10	26	33380	670	12	6320	225	9	60	28	420	19	1	4	1	1	66.0	55	3	1	1	57	5	95
L4+00S 0+00E	.3	24840	37	2	72	1.0	1	2130	.1	21	77	40190	940	26	19400	1180	1	80	34	850	28	1	10	1	1	93.1	90	1	1	1	55	5	75
L4+00S 0+25E	.3	23950	8	3	52	1.0	2	1470	.1	20	69	39250	950	26	17960	896	2	90	37	950	42	1	8	1	1	86.8	96	1	1	1	49	5	40
L4+00S 0+50E	.2	26240	4	3	72	.7	2	1620	.1	24	75	45130	930	27	19560	1350	1	60	49	1080	24	1	7	1	1	90.6	92	1	2	1	59	5	75
L4+00S 0+75E	.1	36190	1	4	136	.9	2	1890	.1	33	110	53500	1150	28	18580	4342	1	60	63	2000	45	1	9	1	1	98.9	154	1	1	1	64	5	55
L4+00S 1+00E	.4	25970	6	4	79	.8	2	2090	.1	26	73	53630	980	31	22020	1531	1	50	49	910	35	1	6	1	1	89.2	107	1	2	1	63	5	80
L4+00S 1+25E	1.1	24390	23	3	73	.4	2	3980	.1	23	100	47900	980	23	19840	1279	1	60	45	1140	13	1	9	1	1	98.5	102	2	1	1	58	5	55
L4+00S 1+50E	1.0	24630	183	4	126	.7	2	3810	1.1	31	100	65280	990	33	17760	1753	4	60	86	910	43	1	8	1	1	85.4	127	1	2	1	71	5	180
L4+00S 1+75E	2.0	24140	103	3	63	.7	3	14530	.1	23	74	44970	1020	21	25070	1210	1	50	87	1360	28	1	5	1	1	90.3	108	1	2	1	109	5	60
L4+00S 2+00E	5.6	10350	1	2	68	.8	2	44870	.1	17	35	31390	600	10	50370	1619	1	30	127	1320	38	5	7	1	1	53.5	115	1	2	1	99	5	65
L4+00S 2+75E	.5	31140	1	4	76	1.1	2	3100	.1	24	88	49810	1350	27	23730	1247	1	60	43	1060	31	1	8	1	1	100.4	120	1	2	1	63	5	40
L4+00S 3+00E	.1	30970	1	4	112	1.0	2	3770	.1	25	73	54210	1010	25	18420	1929	1	40	35	1590	52	1	8	1	1	117.8	101	1	1	1	49	5	100
L4+00S 3+25E	.7	21200	5	2	38	.6	4	2540	.1	19	41	40210	520	16	13550	783	1	1300	14	740	37	1	5	1	1	121.2	91	3	1	1	20	5	60
L4+00S 3+50E	.5	20430	130	3	110	1.2	2	4350	.1	23	89	52740	1050	21	12240	1264	4	50	91	1410	39	19	7	1	1	79.4	118	1	1	1	86	25	65
L4+00S 4+00E	.5	28780	32	4	70	.6	2	1450	.1	21	112	45970	1310	22	18710	1057	1	50	27	1010	22	1	6	1	1	102.7	104	1	2	1	46	10	55
L4+00S 4+50E	.6	20770	177	3	70	.8	2	1440	1.1	26	182	53470	1180	19	13370	1266	1	40	42	1140	33	3	6	1	1	87.8	132	1	1	1	77	5	65
L4+00S 4+75E	.4	5610	59	1	28	.6	1	580	1.7	9	35	27960	590	5	2990	902	1	20	19	450	27	4	3	1	1	28.1	80	3	1	1	20	5	60
L4+00S 5+25E	1.1	26210	1	1	46	.4	2	1830	.1	22	55	34510	480	19	32750	381	1	100	117	660	7	1	9	1	1	103.2	58	1	2	3	391	5	65
L4+00S 5+50E	.6	10850	77	1	59	1.1	1	3220	.1	11	27	34460	1520	5	2370	559	2	30	14	1070	54	1	8	1	1	42.6	83	4	1	1	6	5	35
L5+00N 0+50E	1.7	24460	1	1	118	.7	4	5530	.1	25	52	42470	1310	24	27040	763	1	1670	48	1390	14	1	7	1	1	100.2	88	1	1	1	66	5	105
L5+00N 1+00E	1.1	24170	1	1	102	.5	3	5300	.1	27	70	41090	1630	25	26330	1386	1	1540	52	1060	18	1	6	1	1	90.4	86	1	1	1	56	5	85
L5+00N 1+50E	.8	16310	1	1	103	.6	2	4230	.1	19	67	31600	1420	19	17890	1009	1	90	43	1210	13	1	6	1	1	68.5	71	1	1	1	38	5	55
L5+00N 2+00E	.8	19340	1	1	96	.4	3	4060	.1	22	60	34540	1510	21	21140	1156	1	1250	47	920	19	1	6	1	1	74.4	82	1	1	1	45	5	35
L5+00N 2+	1.1	22320	1	3	298	1.0	3	7970	.1	22	87	40560	34	28	20550	1153	1	1120	42	1360	18	1	17	1	1	87.5	84	1	*	1	38	5	90

COMP: NICHOLSON & ASSOCIATES
PROJ: TULSEQUAH
ATTN: G.NICHOLSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 90-0478-SJ5+6
DATE: 90/09/19
• SOIL • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	HG PPB
L5+00N 3+00E	1.7	24320	1	3	81	.9	4	2520	.1	25	87	39430	1410	29	24130	1056	1	1040	52	710	27	1	7	1	1	96.1	93	1	1	1	56	5	80
L5+00N 3+50E	1.2	11590	20	2	62	.4	3	640	.1	9	20	40730	440	5	3508	164	3	60	13	1510	30	3	7	1	1	106.5	38	6	1	1	100	5	170
BL5+00N 0+00E	1.9	31330	1	4	136	1.0	4	5910	.1	35	114	50640	1470	38	34430	1742	1	100	73	830	18	1	7	1	1	109.7	112	1	2	1	70	5	75
BL6+00S 0+00E	.8	25100	10	4	61	.7	2	1710	.1	25	89	46540	1200	28	21510	967	1	70	23	940	29	3	9	1	1	108.0	94	1	1	1	28	10	50
BL6+00S 0+25E	.5	26460	22	4	76	1.1	2	2590	.1	29	82	50910	1400	34	24700	1251	1	50	50	930	20	1	11	1	1	113.4	101	1	1	1	47	5	60
BL6+00S 0+50E	.5	24100	17	3	53	1.2	2	1480	.1	17	74	37250	840	22	17520	552	1	60	26	800	25	1	7	1	1	111.6	75	1	1	1	45	5	45
BL6+00S 0+75E	.7	29020	1	3	38	.7	3	1520	.1	22	58	46580	1790	27	27160	832	1	50	19	570	36	1	7	1	1	169.4	80	1	1	1	54	5	55
BL6+00S 1+00E	.7	30320	1	3	54	.6	2	2010	.1	26	70	47360	2720	31	31580	1010	1	50	19	530	8	1	7	1	1	177.3	82	1	1	1	66	5	145
BL6+00S 1+50E	.6	27110	1	2	68	.5	3	890	.1	22	56	47600	3720	27	27790	883	1	1130	12	560	15	1	5	1	1	193.4	72	1	2	1	61	5	90
BL6+00S 1+75E	.9	32600	57	4	27	.9	3	850	.1	24	51	65030	570	26	24490	719	2	60	26	610	11	1	6	1	1	169.6	75	1	2	1	96	5	80
BL6+00S 2+50E	1.2	15470	262	2	321	1.2	2	1820	1.3	17	37	38940	1060	14	9910	1345	2	60	36	960	81	2	7	1	1	61.0	127	2	1	1	36	5	65
BL6+00S 2+75E	.5	34680	106	4	62	1.4	1	1460	.1	28	75	58090	710	35	26750	1340	1	60	139	1460	37	1	7	1	1	119.5	109	2	3	3	296	10	205
BL6+00S 3+50E	1.6	13350	394	2	55	1.1	1	20990	2.8	21	49	42850	800	18	25720	1108	2	40	103	1280	30	7	3	1	1	69.2	128	1	2	1	75	5	110
BL6+00S 3+75E	.3	24130	94	4	141	1.2	3	7750	.1	29	78	68490	1130	22	18740	2066	1	40	63	1300	31	1	6	1	1	116.3	130	1	2	1	49	5	115
BL6+00S 4+00E	2.2	8170	575	2	37	1.3	1	43630	3.3	22	35	27330	520	13	47900	1170	1	1140	199	1220	19	7	4	1	1	47.9	73	1	2	1	103	5	145
BL6+00S 4+25E	.4	33460	2	5	83	1.0	2	4370	.1	25	95	52640	720	30	23850	1260	1	60	41	1530	18	1	10	1	1	120.1	112	1	2	1	39	5	80
BL6+00S 5+00E	.1	15720	4	2	153	.7	3	1230	.1	17	59	46010	630	18	9480	3192	1	50	68	1150	32	1	6	1	1	58.0	164	1	1	1	37	5	50
BL6+00S 5+50E	.1	24210	253	5	125	2.7	2	2340	.1	28	77	78420	1060	17	7980	1213	1	30	50	1420	17	5	10	1	1	64.1	114	1	1	1	29	5	120
BL6+00S 5+75E	1.0	37280	110	5	49	1.5	3	3090	.1	46	110	65410	430	32	51330	886	1	20	270	750	25	1	11	1	1	173.8	170	1	2	7	877	5	80
L6+00S 6+00E	.5	20380	225	3	64	1.6	1	1550	.1	40	77	59100	800	18	21440	1665	1	20	147	1260	54	1	9	1	1	90.4	135	1	1	3	315	100	60
L7+00S 0+00E	.6	29360	61	3	100	1.0	2	2000	.1	24	92	48710	860	28	22230	1142	1	1230	38	820	39	1	8	1	1	112.2	103	1	2	1	89	15	105
L7+00S 0+25E	.9	25970	67	3	65	1.0	2	2590	.1	26	127	51370	1040	24	23450	1298	1	60	44	1060	31	1	8	1	1	113.8	98	1	2	1	80	5	55
L7+00S 0+50E	.7	36510	1	4	33	1.2	3	2240	.1	31	80	61270	1200	41	39440	1379	1	40	14	830	12	1	7	1	1	196.3	95	1	1	1	32	5	35
L7+00S 0+75E	.6	41330	1	5	41	1.3	3	2530	.1	36	122	64980	1060	53	45180	1639	1	690	23	910	8	1	12	1	1	219.1	103	1	1	1	38	5	40
L7+00S 1+00E	.9	37450	1	5	56	.8	3	6770	.1	32	104	58550	1260	46	43540	1237	1	1130	14	1040	20	1	14	1	1	208.1	92	1	2	1	34	5	110
L7+00S 1+50E	.4	27670	83	3	52	1.3	2	2490	.1	28	77	53130	1850	30	27810	1041	1	50	42	820	24	1	9	1	1	138.9	97	1	2	1	71	10	70
L7+00S 1+75E	.1	21130	98	3	82	1.3	2	2040	.1	30	87	54740	990	26	18020	1206	1	50	76	870	25	1	9	1	1	80.5	105	1	2	1	76	5	65
L7+00S 2+00E	.1	19290	287	2	44	1.4	2	2640	.1	28	76	49150	610	22	16190	1631	1	50	62	920	30	3	7	1	1	80.8	95	1	2	1	57	5	150
L7+00S 2+25E	.1	28710	59	3	34	1.0	2	530	.1	19	43	53070	780	20	9230	732	1	40	22	1440	23	1	7	2	1	56.8	100	3	1	1	27	5	100
L7+00S 2+50E	.4	27710	45	4	97	1.2	1	2090	.1	26	70	53070	1060	31	23230	893	1	50	91	1030	24	1	7	1	1	95.6	110	1	1	1	124	5	55
L7+00S 2+75E	1.0	15490	104	3	92	1.3	2	2940	.1	20	58	42820	690	20	13420	697	1	70	77	1130	44	4	8	1	1	64.9	116	1	1	1	83	10	120
L7+00S 3+00E	.6	11650	100	3	133	.6	1	3560	.1	23	77	50620	930	12	7360	728	3	60	41	1330	40	9	9	1	1	72.5	108	1	1	1	26	5	75
L7+00S 3+25E	2.2	10720	70	4	103	1.0	2	31870	.1	23	87	53820	1170	10	33640	1122	2	60	37	1120	42	10	2	1	1	76.2	122	1	2	1	29	5	85
L7+00S 3+75E	.1	11170	32	4	36	.5	2	1000	.1	35	54	79320	760	15	6340	749	1	50	21	1440	30	7	9	1	1	54.4	66	1	1	1	1	5	80
L7+00S 4+50E	.5	19720	177	5	103	1.0	1	4200	.1	29	113	71750	1530	18	10480	950	1	60	40	1390	28	3	10	1	1	91.0	105	1	2	1	25	5	120
L7+00N 2+75E	1.6	29550	1	3	65	.1	7	1500	.1	27	68	68390	1220	15	15420	805	6	920	40	680	17	1	4	1	1	159.0	76	1	2	1	121	5	125
L7+00N 3+00E	.3	21080	1	2	78	.3	1	840	.1	14	43	53200	790	15	5830	799	1	730	3	840	33	1	6	1	1	85.6	73	1	1	1	7	5	85
L7+00N 3+25E	1.2	8740	1	1	74	.1	4	690	.1	9	14	30000	420	4	3220	122	1	50	3	380	23	1	3	1	1	100.3	25	2	1	1	10	5	80
L7+50N 2+75E	.2	33210	7	5	128	.9	3	2160	.1	33	46	75750	840	33	16360	748	1	40	82	1690	28	1	8	1	1	136.9	87	1	1	2	140	10	145
L7+50N 3+00E	1.5	33790	1	3	78	.6	5	5050	.1	35	53	50440	320	22	27640	1754	1	50	108	1030	8	1	8	1	1	130.5	91	1	1	2	194	5	60
L7+50N 3+25E	.4	8030	5	1	28	.1	3	620	.1	8	17	34700	400	4	4010	156	1	40	8	490	15	1	4	1	1	64.7	29	1	1	1	12	5	55
L8+00S 0+00E	.2	30430	34	4	42	.6	3	1560	.1	24	60	49740	920	29	24610	1009	1	50	24	1000	25	1	9	1	1	117.2	95	1	2	1	43	5	65
L8+00S 0+25E	.1	23260	99	3	32	1.1	1	710	.1	25	49	52680	670	27	8470	1197	2	50	6	1110	50	1	7	1	1	48.8	94	1	1	1	1	5	60
L8+00S 0+50E	.1	26400	39	5	34	1.1	2	860	.1	25	74	70820	820	29	15070	920	1	60	11	1130	41	1	7	1	1	74.7	110	1	2	1	1	5	45
L8+00S 0+75E	.8	37480	1	5	54	1.0	3	3490	.1	29	87	60170	1660	39	38660	1068	1	60	20	880	8	1	9	1	1	196.5	94	1	2	1	51	5	75
L8+00S 1+00E	1.8	37550	1	4	28	.6	5	3210	.1	29	53	60470	1470	37	43040	849	1	40	8	480	8	1	8	1	1	230.9	71	1	2	1	35	5	45
L8+00S 1+25E	1.1	32420	1	3	36	.7	4	2970	.1	27	66	55240	1890	35	39230	1047	1	40	21	650	8	1	9	1	1	174.2	78	1	1	1	113	10	40
L8+00S 1+50E	1.0	34820	1	3	46	.7	4	2800	.1	28	73	58510	3370	33	39030	1113	1	40	18	680	8	1	9	1	1	194.0	82	1	1	1	70	5	15
L8+00S 1+75E	.4	36110	1	5	41	.9	3	2010	.1	31	80	61200	1950	38	40050	1135	1	30	32	710	8	1	7	1	1	165.9	93	1	2	1	108	5	65
L8+00S 2+00E	.2	34390	1	4	37	.7	3	1810	.1	30	86	62630	1520	32	33340	1307	1	30	17	940	24	1	8	1	1	198.1	98	1	2	1	50	5	85
L8+00S 2+25E	.2	27310	391	4	47	1.3	3	1260	.1	37	97	71000	1460	25	20130	1848	1	40	49	1610	51	5	9	1	1	134.1	139	1	3	1	38	5	165
L8+00S 2+50E	.4	38960	1	6	31	1.5	3	1400	.1	38	88	63060	740	46	42330	1698	1	30	62	1090	15	1	7	1	1	152.6	97	1	2	1	107	5	50
L8+00S 3+00E	.1	19570	41	2	57	1.2	2	2290	.1	34	79	53930	740	29	15260	698	1	40	160	1190	22	1	9	1	1	92.7	96	1	1	1	145	5	20
L8+00S 3+50E	2.8	5600	1	1	20	1.0	1	59020	.1	11	12	15170	540	10	71570	353	1	40	88	1260	8	1	13	1	1	32.5	50	1	2	1	89	5	80
L8+00S 4+00E	.1	17850	645	3	59	.7	2	1920	6.4	29	101	62220	1610	12	5480	1573	1	50	22	1500	39	5	7	1	1	65.8	96	1	1	1	1	5	75
L8+00N 2+25E	.4	22590	24	2	83	.7	2	2000	.1	23	94	59960	670	15	14660	630	6	990	138	850	18	1	5	1	1	98.8	106	1	2	2	155	5	60
L8+00N 2+50E	.8	22040	24	2	85	.6	2	1480	.1	12	72	62190	740	13	8660	219	8	40	31	1100	19	1	5	1	1	110.5	60	2	2	1	120	5	140
L8+00N 2+75E	.5	34480	1	4	99	.5	3	1680	.1	46	197	63500	1200	37	33400	1434	3	30	301	740	8	1	6	1	1	145.1	125	1	2	2	298	5	85
L8+00N 3+00E	.7	19900	1	1	54	.6	3	1280	.1	14	45	46380	740	12	12420	432	2	60	18	410	13	1	4	1	1	94.9	59	2	?	1	48	5	35
L8+00N 3+	.9	18930	1	1	47	.1	3	870	.1	8	21	29050	3	5	3620	139	1	1430	5	520	30	1	3	1	1	81.0	35	3		1	23	5	165

COMP: NICHOLSON & ASSOCIATES
PROJ: TULSEQUAH
ATTN: G.NICHOLSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 90-0478-SJ7+8
DATE: 90/09/19
• SOIL • (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	HG PPB
L8+50N 2+25E	1.2	16750	1	4	169	.8	3	1400	.1	15	95	58520	3090	15	11860	474	19	1580	16	1100	29	1	6	1	1	102.2	92	1	1	1	27	5	65
L8+50N 2+50E	1.9	28780	1	3	91	1.0	3	960	.1	8	57	34600	3700	20	18710	498	14	1650	2	520	26	1	4	1	1	135.9	83	1	1	1	82	5	115
L8+50N 2+75E	1.3	10660	13	2	109	.8	2	1410	.1	6	33	30760	1550	9	3500	139	37	100	1	1420	32	4	8	1	1	99.6	29	1	1	1	18	5	60
L8+50N 3+00E	1.2	14590	31	1	45	.6	3	710	.1	11	28	33770	630	10	8700	507	5	650	26	790	29	1	5	1	1	90.7	47	1	1	1	85	5	55
L8+50N 3+25E	.3	28930	1	6	132	1.1	1	600	.1	29	258	88730	900	21	9060	697	3	1400	35	1590	30	1	6	1	1	133.6	135	1	1	1	19	5	110
L8+50N 3+50E	1.5	3590	6	1	26	.1	2	470	.1	4	8	8840	340	2	1060	82	1	80	2	210	27	2	2	1	1	57.4	18	1	1	1	9	5	90
L8+50N 3+75E	.9	10160	32	1	40	.4	2	980	.1	9	27	25270	710	9	8240	398	3	1940	28	930	24	1	5	1	1	62.5	53	1	1	1	58	5	85
L9+00N 2+00E	.6	25940	17	2	112	1.0	2	380	.1	11	64	56980	790	14	5170	317	15	1250	2	1280	38	1	5	1	1	86.1	85	1	1	1	23	5	215
L9+00N 2+25E	.7	14170	12	1	63	.3	2	980	.1	15	68	40200	1070	10	7540	683	14	1200	13	1360	26	1	7	1	1	85.3	75	1	1	1	16	5	75
L9+00N 2+50E	.9	15940	14	1	85	1.0	2	750	.1	9	83	43270	1000	10	7190	216	17	2060	6	1100	30	1	5	1	1	81.6	65	1	1	1	21	5	140
L9+00N 2+75E	.6	12220	1	1	45	.7	2	760	.1	9	31	29590	510	8	6960	216	4	90	16	310	19	1	3	1	1	56.9	39	1	1	1	24	5	80
L9+00N 3+25E	.9	27260	1	2	77	.9	3	1380	.1	37	136	48700	830	24	21710	1609	5	1270	178	810	30	1	5	1	1	103.5	107	1	1	1	154	5	160
L9+00N 3+50E A	.2	18140	30	1	67	.6	2	830	.1	16	45	37720	920	18	12770	1118	6	100	56	1320	22	1	6	1	1	97.4	121	1	1	1	103	5	100
L9+00N 3+50E B	1.4	12260	1	1	58	.1	5	480	.1	11	17	45220	370	3	3230	148	2	60	3	350	11	1	4	1	1	149.4	25	2	1	1	15	5	75
L9+50N 2+25E	.6	12760	11	1	74	.7	1	530	.1	9	55	36750	770	8	7860	229	4	70	10	1030	17	1	5	1	1	67.4	60	1	1	1	16	5	95
L9+50N 2+50E	1.3	17120	20	1	43	.4	2	970	.1	7	38	22910	600	8	6210	163	4	100	8	790	13	1	4	1	1	67.5	37	1	1	1	40	5	125
L9+50N 3+00E	1.4	24710	1	3	49	.2	6	990	.1	19	63	68670	540	13	10450	557	1	60	20	440	13	1	3	1	1	129.4	59	1	1	1	55	5	110
L9+50N 3+25E	.7	19650	1	2	39	.5	2	770	.1	11	60	65540	350	9	4280	130	1	1290	3	900	33	1	4	1	1	78.8	51	1	1	1	28	5	135
L9+50N 3+50E	1.5	19950	15	1	55	.4	4	700	.1	14	48	52890	570	10	6520	683	2	60	8	620	18	1	4	1	1	104.2	48	1	1	1	38	5	150
L9+50N 3+75E	1.3	32350	1	3	88	.5	6	1980	.1	35	72	61400	1420	20	26880	1779	1	40	92	870	8	1	4	1	1	162.0	92	1	2	2	207	5	80
L9+50N 4+00E	.6	20530	11	1	107	.5	3	1660	.1	13	60	37720	800	16	8000	384	4	140	51	570	27	1	6	1	1	66.7	74	1	1	1	44	5	120
L9+50N 4+25E	.3	23880	28	1	85	.5	2	910	.1	13	37	38260	870	20	8060	667	6	70	39	1600	24	1	7	1	1	65.4	91	1	1	1	62	5	130
L10+00N 2+50E	.4	18550	1	1	65	.7	2	920	.1	8	26	29830	1190	13	10800	376	6	50	9	1310	19	1	7	1	1	80.3	49	1	1	1	45	5	70
L10+00N 2+75E	.2	22380	6	2	132	1.1	2	240	.1	15	83	53980	1550	14	10460	451	8	1120	34	410	22	1	3	1	1	129.6	80	1	1	1	70	5	120
L10+00N 3+00E	.4	17800	10	1	97	.5	2	390	.1	11	32	35270	1150	10	10850	610	6	60	27	730	19	1	4	1	1	103.4	72	1	1	1	60	5	80
L10+00N 3+25E	.9	26750	7	3	76	.6	4	1520	.1	24	106	63710	880	20	22490	901	5	710	103	1220	13	1	6	1	1	154.3	89	1	2	2	189	5	105
L10+00N 3+50E	2.7	18310	1	1	61	.1	8	600	.1	21	39	74660	480	8	10870	234	2	40	62	330	8	1	3	1	1	230.9	45	2	1	2	139	5	85
L10+00N 3+75E	1.8	27790	1	3	95	.1	6	850	.1	23	65	89230	360	15	17100	362	1	30	26	330	13	1	3	1	1	296.8	58	1	2	2	101	5	80
L10+00N 4+00E	.5	12960	30	1	55	.6	2	750	.1	11	34	45130	610	6	5740	902	4	1650	19	1760	27	1	6	1	1	127.6	39	1	1	1	72	5	125
TQCCD 023	1.7	15220	207	4	25	.7	8	2760	.1	23	189	90560	450	8	13590	388	48	1750	25	2470	61	4	12	1	1	128.5	86	1	2	1	58	5	205
TQCCD 024	2.1	36160	1222	8	34	1.9	13	5530	13.9	231	1143	100920	430	31	16820	3764	30	150	116	1640	74	3	14	1	1	87.6	168	1	1	2	132	5	200
TQCCD 025	3.8	17790	377	5	147	1.3	9	14260	4.8	50	818	70440	650	10	7900	3489	26	950	35	1700	314	9	15	1	1	51.6	130	1	1	1	10	10	300
TQCCD 026	3.1	16330	76	3	47	.6	6	1520	.1	18	106	68020	480	5	2230	291	6	1280	1	730	36	4	6	1	1	176.2	44	2	2	1	1	10	210
TQCCD 027	2.8	31440	1055	6	97	1.7	7	3640	14.1	17	224	71160	2260	30	8170	885	4	1420	7	1640	88	14	9	1	1	98.6	184	1	1	1	31	5	285
TQCCD 028	3.4	22760	873	5	49	1.4	6	3970	10.1	18	227	80900	680	11	2530	341	8	80	2	910	45	11	9	1	1	67.3	101	1	1	1	1	5	310
TQCCD 029	.8	41630	97	4	40	2.0	4	5060	.1	13	58	54880	400	15	2740	314	2	1340	3	690	39	1	5	1	1	64.5	78	1	1	1	9	5	225
TQCCD 030	.8	43660	307	6	52	.7	7	1550	.1	12	69	67330	500	20	4480	238	11	80	1	260	66	5	8	1	1	118.8	82	1	1	1	31	5	250
TQCCD 031	1.7	19300	44	4	61	.7	3	540	.1	9	30	42340	940	7	3750	116	56	90	1	390	22	8	4	1	1	79.8	28	1	1	1	1	5	160
TQCCD 032	6.1	38840	26	3	121	2.7	4	4800	.1	10	168	32750	540	11	3370	3336	13	100	12	4580	88	1	24	1	1	43.6	65	1	1	1	8	5	500
TQCCD 033	1.4	11010	7	1	29	.1	3	4180	.1	9	14	27060	500	4	3390	215	1	1400	1	540	28	1	23	1	1	87.1	28	1	1	1	4	5	125
TQCCD 034	.7	27610	4	2	66	.9	3	790	.1	7	23	37980	500	5	1250	399	3	90	1	890	26	1	6	1	1	72.5	37	1	1	1	4	5	280
TQCCD 035	.5	29020	34	1	39	.6	4	860	.1	7	19	40460	340	12	1590	244	2	1340	1	510	37	1	4	1	1	78.1	39	1	1	1	4	10	245
TQCCD 036	.8	26240	58	3	70	.5	3	1320	.1	13	33	32360	920	18	6500	553	2	1480	22	990	49	1	6	1	1	66.9	94	1	1	1	15	5	295
TQCCD 037	1.3	18150	163	3	46	.6	5	5040	.1	20	159	64350	570	15	15020	400	68	1690	25	780	33	4	9	1	1	75.0	78	1	1	1	40	5	210
TQCCD 038	5.1	8470	76	1	31	.1	5	1880	.1	11	91	24910	500	4	4870	167	7	1320	22	720	27	2	6	1	1	78.8	31	1	1	1	59	5	115
TQCCD 039	1.9	43580	94	6	50	1.0	7	2650	.1	41	124	101290	610	22	16580	1463	18	1250	23	1620	31	1	10	1	1	156.6	63	1	2	1	46	10	185
TQCCD 040	2.6	13740	45	1	24	.2	4	1940	.1	11	43	33090	570	5	4470	158	7	1540	6	560	25	1	5	1	1	91.5	26	1	1	1	17	5	145
TQCCD 041	23.9	10980	162	7	20	.6	8	7330	.1	20	913	172220	430	4	4630	447	29	1650	1	1640	28	2	7	1	1	39.6	54	1	1	1	1	90	100
TQCCD 042	6.0	40800	28	6	9	.6	6	1760	.1	30	550	104960	190	3	3210	1068	19	1200	1	3010	28	1	11	1	1	57.6	41	1	1	1	1	5	200
TQCCD 043	2.9	23910	1	3	18	.1	9	5160	.1	14	145	72220	250	5	3410	191	20	980	1	2280	25	1	9	1	1	109.5	28	1	1	3	1	10	110
TQCCD 044	1.6	24150	64	2	42	.8	4	340	.1	7	75	39110	550	5	1350	38	66	90	1	630	21	1	4	1	1	66.2	25	1	1	1	1	5	170
TQCCD 045	3.3	10530	27	1	36	.1	5	880	.1	7	41	36760	410	3	1900	43	32	1320	1	440	29	2	7	1	1	88.7	20	1	1	1	1	5	5
TQCCD 046	2.1	10720	9	1	60	.1	5	1290	.1	6	27	30030	490	4	2440	80	5	1400	1	410	34	1	5	1	1	65.2	14	1	1	1	1	5	120
TQCCD 047	3.4	10180	36	1	37	.2	6	900	.1	5	27	20060	430	2	1650	150	22	1230	2	570	25	3	4	1	1	60.5	20	1	1	1	1	10	215
TQCCD 048	2.8	25340	77	3	70	.4	7	1040	.1	8	81	44890	1200	13	2360	347	25	720	1	610	47	4	5	1	1	64.9	33	1	1	1	1	20	145
TQCCD 049	4.7	59110	826	6	50	.8	8	1190	5.7	15	495	78220	1070	12	9210	279	74	1070	1	550	32	7	4	1	1	111.1	78	1	1	7	18	10	320
TQCCD 050	2.2	9660	80	1	29	.1	6	400	.1	7	49	22170	300	1	680	23	41	110	1	230	19	3	2	1	1	144.4	11	2	1	1	1	5	100
TQCCD 053	1.3	9060	41	1	18	.1	3	630	.1	4	15	15460	330	2	1070	98	5	80	1	120	13	1	1	1	1	53.6	10	1	1	1	6	5	150
TQCCD 054	3.4	40150	160	5	60	.1	10	3070	.1	19	38	80770	2010	13	15680	337	1	250	1	1140	14	1	6	1	1	218.8	51	1	1	1	55	5	210
TQCCD 055	2.1	32080	1	5	59	.1	11	1510	.1	20	101	109020	5[illegible]	7	5620	131	1	1330	1	690	24	1	5	1	1	177.2	39	1		1	1	5	295

COMP: NICHOLSON & ASSOCIATES
PROJ: TULSEQUAH
ATTN: G.NICHOLSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0478-SJ9+10
DATE: 90/09/19
* SOIL * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB	HG PPB
TOCCD 056	3.1	7260	224	2	44	.1	10	1630	1.9	15	28	53740	490	2	1500	147	5	920	1	610	74	7	6	1	1	202.8	45	1	1	1	1	10	125
TOCCD 057	3.7	13030	1	2	20	.1	16	3900	.1	19	23	53850	340	3	3060	157	5	1810	1	250	33	1	6	1	1	227.0	24	1	1	1	2	5	155
TOCCD 058	2.8	37120	1	6	30	.1	12	3850	.1	19	119	88490	520	10	7320	236	9	260	1	610	22	1	4	1	1	187.8	40	1	1	1	29	5	235
TOCCD 059	1.3	35050	1	7	89	.8	6	3210	.1	16	203	114430	2410	10	22460	327	15	1700	1	1080	27	1	9	1	1	205.1	51	1	1	1	1	5	195
TOCCD 060	1.8	50070	1	6	53	.4	9	2270	.1	16	147	67960	590	9	12870	202	74	1040	2	370	14	1	5	1	1	184.7	45	1	1	1	59	5	180
TOCCD 061	1.4	16450	1	1	130	.4	5	1760	.1	9	88	44980	1690	4	7920	114	24	1640	1	1540	32	1	10	1	1	117.0	34	1	1	1	24	5	130
TOCCD 062	.5	6060	92	1	40	.4	1	210	1.0	5	47	12630	710	2	1250	25	31	80	9	180	16	5	2	1	1	75.8	12	1	1	1	7	10	85
TOCCD 063	1.7	11920	1	1	57	.1	6	1220	.1	10	40	34630	410	3	6070	87	13	110	8	300	12	1	3	1	1	165.0	24	1	1	1	61	5	50
TOCCD 065	1.4	19940	1	1	155	.3	6	1850	.1	11	65	43020	1670	3	12760	174	26	180	13	2500	19	1	9	1	1	139.7	44	1	1	2	113	5	300
TOCCD 066	1.1	23390	44	3	73	1.0	3	240	.1	12	110	58710	710	6	5550	119	69	50	30	390	31	1	3	1	1	159.9	57	1	1	2	103	5	320
TOCCD 067	1.3	23840	5	1	157	.2	4	670	.1	10	61	46650	610	5	8830	109	23	70	20	1330	14	1	5	1	1	159.7	39	1	1	2	157	5	245
TOCCD 068	4.7	49940	102	5	171	1.8	5	680	.1	24	148	67180	1670	33	22510	378	7	50	174	670	16	1	4	1	1	116.5	187	1	1	4	436	50	360
TOCCD 069	1.3	27810	31	2	170	1.5	3	6130	.1	36	113	56390	930	22	9650	862	6	90	103	1490	36	1	12	1	1	89.9	265	1	1	1	43	5	310
TOCCD 070	.7	24400	1	4	75	.6	6	500	.1	14	73	92520	850	4	2410	93	6	40	1	480	23	1	5	1	1	230.6	52	1	1	1	24	5	225
TOCCD 071	.4	12780	1	1	79	.6	3	500	.1	6	26	43050	740	2	2080	94	21	1080	1	500	15	1	4	1	1	157.9	55	1	1	1	1	10	135
TOMB-D 222	2.9	16680	121	3	26	.2	12	3850	.1	22	230	93170	310	5	8780	223	18	1160	13	890	30	1	9	1	1	189.5	55	1	1	1	56	10	125
TOMB-D 223	2.0	16860	137	3	24	.7	11	4040	.1	20	207	76560	410	8	12630	370	15	1840	37	1220	58	1	9	1	1	71.3	94	1	1	1	90	5	220
TOMB-D 224	6.0	16350	233	5	56	1.1	16	3820	2.3	20	414	97510	460	8	7490	676	35	1380	8	1420	151	5	11	1	1	62.8	96	1	1	1	1	5	100
TOMB-D 225	7.9	13200	174	1	31	.8	5	2230	.1	8	123	41970	450	3	1730	127	12	2840	1	670	92	1	5	1	1	69.5	57	1	1	1	1	5	420
TOMB-D 226	1.4	4730	26	1	29	.1	2	2280	.7	4	23	9270	470	1	700	59	3	1180	6	540	23	1	4	1	1	23.5	28	1	1	1	11	5	150
TOMB-D 227	1.6	12930	72	1	47	.5	2	2440	.1	8	64	27500	1150	5	3180	130	4	1160	8	660	29	2	5	1	1	75.3	62	1	1	1	10	5	185
TOMB-D 228	2.0	9070	116	5	40	.6	2	2970	.9	8	104	31630	780	1	1020	180	9	100	6	400	83	25	6	1	1	84.0	62	1	1	1	1	5	85
TOMB-D 230	.4	9540	23	1	60	.2	1	1200	.1	2	7	5960	830	1	560	137	1	1000	1	360	15	1	4	1	1	13.8	27	1	1	1	1	10	135
TOMB-D 231	.7	10250	14	1	37	.1	3	2120	.1	8	10	25870	310	2	1840	129	31	150	1	260	18	1	13	1	1	71.7	27	1	1	1	1	5	95
TOMB-D 233	.6	51110	10	4	42	.7	3	520	.1	9	18	60960	290	6	1600	206	2	60	1	670	32	1	3	1	1	105.6	30	1	1	1	17	5	290
TOMB-D 234	1.0	38190	22	1	26	.4	4	740	.1	7	11	45450	320	4	1280	265	4	90	1	210	27	1	1	1	1	72.9	25	2	1	1	1	10	135
TOMB-D 235	.5	15450	17	1	62	.3	1	380	.1	3	5	9740	770	1	940	39	5	1000	1	260	20	1	4	1	1	23.2	29	1	1	1	1	5	155
TOMB-D 236	3.0	23460	127	5	19	1.0	9	2960	.1	28	336	88290	390	10	15460	550	34	1200	31	1170	61	1	8	1	1	74.2	98	1	1	1	50	5	170
TOMB-D 237	1.0	21510	185	5	42	1.0	6	4920	.1	35	257	77140	630	15	15710	728	84	1150	25	970	33	1	11	1	1	74.2	88	1	1	1	24	40	110
TOMB-D 238	3.1	32250	51	4	29	1.2	8	2540	.1	43	320	79270	700	25	18100	1367	7	920	71	2000	21	1	10	1	1	139.7	85	1	1	2	183	5	180
TOMB-D 239	2.0	29040	90	8	21	1.6	7	2300	.1	30	306	85100	500	20	17150	579	6	90	46	2870	32	3	12	1	1	156.0	54	1	1	2	122	5	190
TOMB-D 240	1.9	38990	48	9	63	1.6	6	1580	.1	26	219	106910	750	37	14600	387	16	1090	21	2390	39	27	11	1	1	221.9	70	1	1	2	123	10	265
TOMB-D 241	20.8	56930	29	14	23	2.2	12	6800	.1	34	721	147270	160	12	7540	551	50	800	1	1040	30	1	7	1	1	64.0	86	1	1	1	1	10	310
TOMB-D 242	4.2	61700	55	13	25	2.0	8	1390	.1	31	478	130740	180	11	5700	264	113	70	8	970	23	1	6	1	1	98.8	77	1	1	2	40	5	315
TOMB-D 243	3.7	24200	260	5	65	1.3	17	510	1.1	11	143	60270	830	11	6160	166	66	70	1	740	43	7	6	1	1	67.1	150	1	1	1	1	5	135
TOMB-D 246	1.3	41620	4	6	20	.9	8	910	.1	14	127	89820	320	8	3740	93	58	1270	1	550	23	1	6	1	1	161.0	36	1	1	2	73	5	315
TOMB-D 247	4.8	64710	1	7	73	.8	7	760	.1	12	122	66830	1980	12	9830	192	19	100	1	480	21	1	2	1	1	122.4	39	1	1	1	23	5	460
TOMB-D 248	1.3	11070	49	2	53	.5	2	1220	.1	4	45	19040	1090	2	930	29	121	1170	1	220	18	2	5	1	1	50.7	21	1	1	1	1	5	75
TOMB-D 249	2.0	63120	1	9	61	1.3	6	310	.1	15	198	86370	580	8	4100	143	147	60	1	1140	57	1	4	1	1	46.9	37	1	1	1	1	5	500
TOMB-D 250	1.7	24160	14	4	68	.8	4	840	.1	12	131	51660	680	9	3360	201	40	70	1	1310	20	2	6	1	1	89.6	23	1	1	1	1	5	225
TOMB-D 251	3.3	51070	25	6	415	1.4	7	780	.1	13	246	84350	380	13	2950	309	23	60	1	1770	34	1	10	1	1	156.5	36	1	1	1	1	5	385
TOMB-D 252	2.0	65160	37	7	44	1.0	6	710	.1	12	301	64420	380	10	4500	286	112	50	1	1820	27	16	8	1	1	88.7	67	1	1	4	1	5	365
TOMB-D 253	3.9	50400	27	9	43	1.4	6	900	.1	17	609	108280	820	13	7240	309	61	1160	1	620	41	4	4	1	1	154.7	55	1	1	1	1	20	300
TOMB-D 254	.6	53540	174	6	46	1.1	4	360	.1	9	56	57430	540	10	3310	97	18	50	1	340	34	1	2	1	1	91.7	43	1	1	1	44	5	325
TOMB-D 255	.1	19930	36	3	37	1.0	3	560	.1	10	26	71970	320	2	1740	101	5	1110	1	320	23	2	5	1	1	194.8	39	1	1	1	1	5	135
TOMB-D 257	2.4	46840	1	6	87	.1	11	4280	.1	22	52	95820	4770	16	33050	476	1	250	1	930	8	1	8	1	1	207.3	69	1	1	1	91	5	95
TOMB-D 258	2.2	12830	1	2	28	.1	14	1710	.1	18	53	83560	250	1	1310	96	1	60	1	380	11	1	6	1	1	321.8	27	1	1	1	1	10	100
TOMB-D 259	2.7	26470	1	3	78	.1	10	5920	.1	19	116	75000	800	7	6680	292	1	270	1	1090	8	1	11	1	1	148.5	44	1	1	1	1	5	190
TOMB-D 260	2.9	34190	1	3	64	.1	10	6030	.1	18	146	73250	1240	10	11690	418	1	1640	3	940	15	1	6	1	1	161.8	69	1	1	1	52	5	260
TOMB-D 261	.8	29580	14	3	60	.6	5	1380	.1	10	46	54190	510	7	3310	93	5	80	1	550	27	1	5	1	1	154.9	31	1	1	1	6	5	140
TOMB-D 262	1.7	26780	1	3	46	.1	6	1340	.1	12	63	70530	420	8	6900	136	41	1140	1	540	20	1	5	1	1	212.5	25	1	1	1	1	10	245
TOMB-D 263	2.8	33840	1	5	77	.1	9	2330	.1	16	196	94310	1460	10	13250	144	12	1380	1	460	10	1	8	1	1	217.6	39	1	1	2	114	5	220
TOMB-D 264	2.9	43640	1	6	95	.2	7	4570	.1	16	161	68450	2190	12	27080	402	15	1320	8	930	10	1	6	1	1	203.9	66	1	1	2	124	5	240
TOMB-D 265	1.7	16970	1	1	50	.1	5	990	.1	8	50	45890	300	2	2290	51	11	910	1	490	22	1	4	1	1	115.8	25	1	1	1	37	10	235
TOMB-D 266	2.5	25580	1	1	134	.1	7	2370	.1	13	92	43180	870	9	13310	171	13	960	32	500	22	1	6	1	1	136.7	41	1	1	2	171	5	200
TOMB-D 267	2.0	20400	1	1	254	.1	8	2560	.1	14	42	43420	2430	4	17320	338	20	230	9	790	12	1	5	1	1	166.5	61	1	1	2	175	5	105
TOMB-D 268	1.6	13830	1	1	86	.1	7	1370	.1	13	51	39210	1050	3	8560	111	30	900	21	300	19	1	3	1	1	176.4	29	1	1	1	70	5	170
TOMB-D 269	1.5	19530	1	3	33	.1	8	500	.1	14	63	57040	290	4	6390	51	101	890	11	290	17	1	3	1	1	181.8	24	1	1	2	120	5	250
TOMB-D 270	1.3	35360	187	4	62	.7	7	380	.1	13	76	69100	360	12	9340	70	36	1170	14	320	41	1	3	1	1	189.0	32	1	1	2	140	5	275
TOMB-D 27[illegible]	1.4	34120	1	3	252	.8	8	1880	.1	16	79	69250	15[illegible]	8	18430	230	11	1130	17	620	21	1	4	1	1	226.4	56	1	[illegible]	[illegible]	169	5	200

APPENDIX 2:

Color Plates

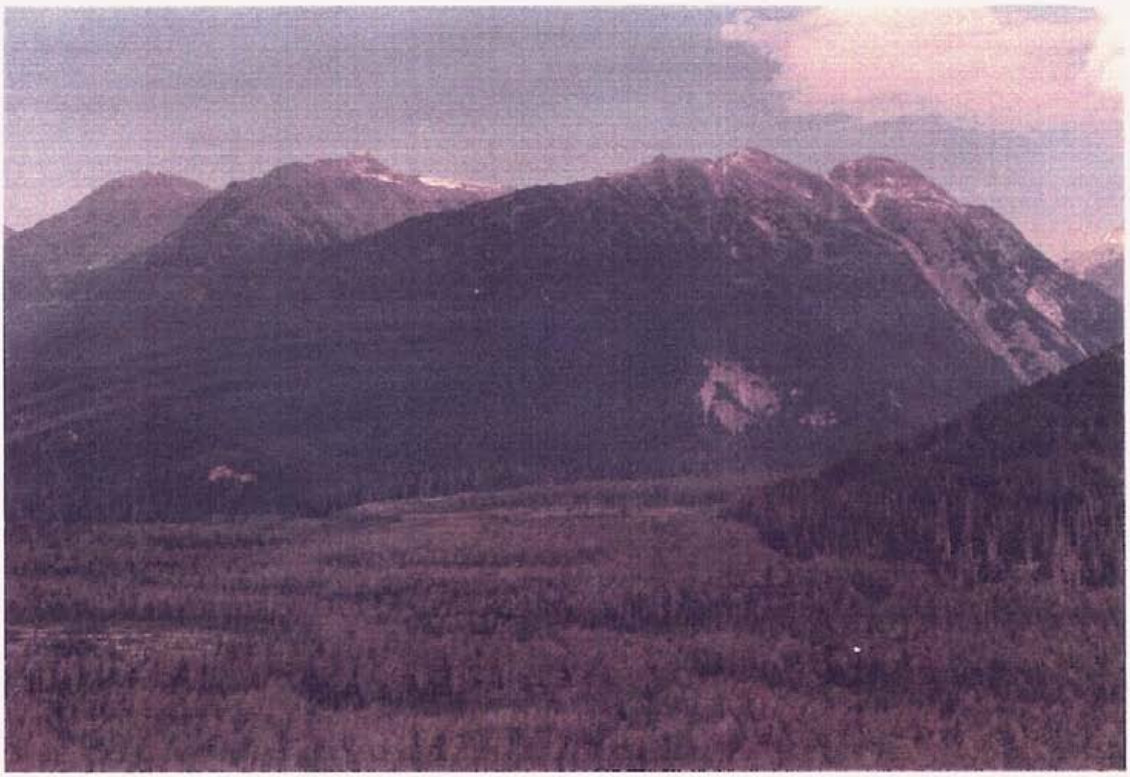


Plate 1

Nick 1-7 claims - Shazah Gossan #1 on right,
Shazah Creek in foreground

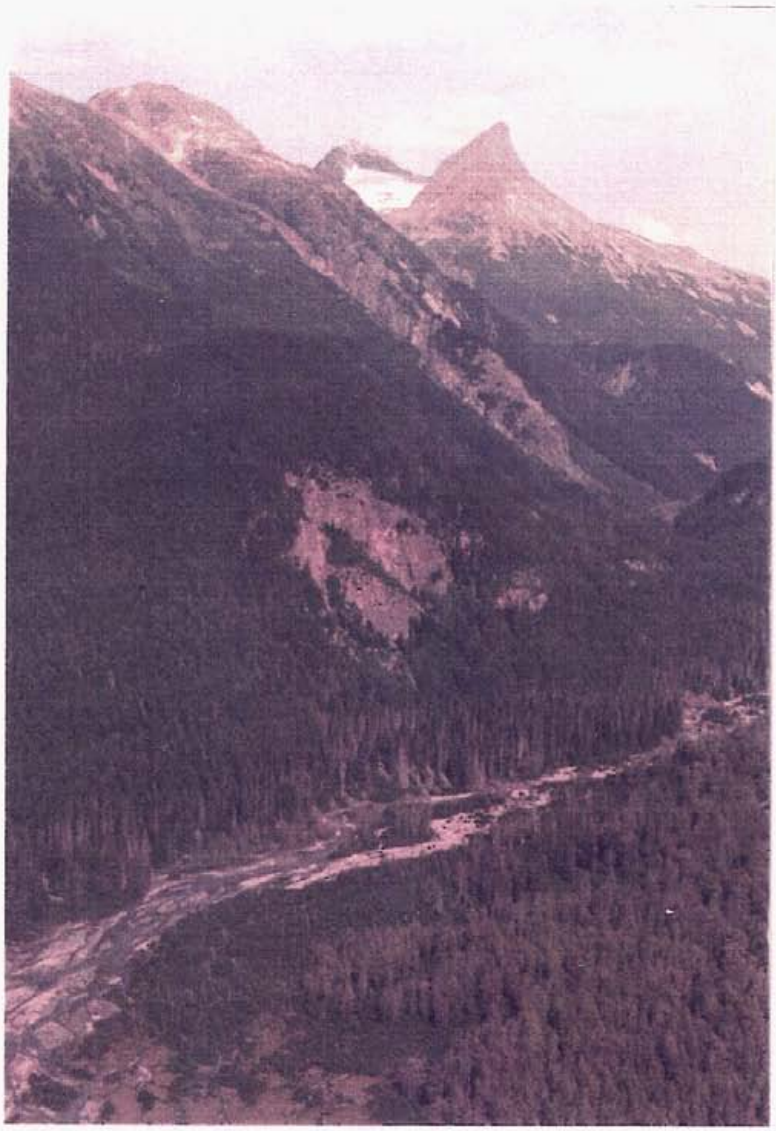


Plate 2
Shazah Gossan #1 looking east

Plate3
North Zone looking south, Shazah Creek
behind ridge

Plate 4: Listwanite/fault zone at north end of Whitewater Creek. Note 2 faults (splays) leaving from left and right side of lake. Main showing on right side, hummocky ridge is zone of listwanite alteration.

TQCR006 TQCR007 TQCR008 TQCR009 TQCS005 TQCS004 TQCR010 TQCR089 TQCR084, 085, 090 TQCR086, 087, 088 TQCR003 TQCR011 TQCS002 TQCS001 TQCS015 TQCS016 TQCS014 TQCS017 TQCS018 TQCS019

L4+00S L6+00S L7+00S L8+00S 3+00E 3+00W 0+00 TQCR013 TQCR012

55° 56° 30° 53°

NICK 5 NICK 3 NICK 6 NICK 4 NICK 1 NICK 2 NICK 7 NICK 8

SHAZAH GOSSAN 1 SHAZAH GOSSAN 3 SHAZAH GOSSAN 2

TQMBD235 TQCCD036 TQCCD035 TQMBD229 TQMBD230 TQMBD228 TQMBD227 TQCCD030 TQMBD222 TQCR278 TQCR094 TQCR021 TQCR022 TQMBR220, 221 TQCR020 TQMBD236 TQMBR224, 225 TQMBD240 TQMBD243 TQMBD246 TQCR093 TQCR092 TQCCD027 TQCCD026 TQCR091 TQCCD023 TQCCD037 TQCCD025 TQCCD045 TQCCD040 TQMBD250 TQCS052 TQCCD046 TQMBD253 TQMBD254 TQCCD050 TQCR051 TQCCD053 TQMBD256 TQMBD257 TQCCD055 TQMBD260 TQMBD063 TQCCD061 TQCCD063 TQCCD060 TQCDR064 TQCCD065 TQMBD264 TQMBD270 TQCCD070 TQCCD071 TQMBD273

10+00N 5+00N 0+00 5+00W 10+00E 0+00

5+00S 10+00S 15+00S 16+25S

SEQUAH SHAZAH CREEK RIVER

F

LEGEND

Intrusive rocks

CRETACEOUS?

8 Plutons: granodiorite (Mt. Strong) quartz monzonite east of Mt. Eaton

PALEOZOIC?

7 Highly foliated to mylonitized quartz diorite (plagioclase–quartz–chlorite)

Stratified rocks

UPPER PALEOZOIC

6 Andesite flows, breccia predominate andesite tuff, dacite sediments, minor–rhyolite

5 Sedimentary rocks chert, mudstone, tuff, limestone, greywacke–siltstone andesite, breccia, conglomerate

4 Andesite tuff–grey argillaceous sediments

3 Limestone

2 Rhyolite, quartz–sericite schist

Metamorphic rocks

1 Metamorphic complex of the Eastern Coast Mountains

Geologic contact

Fault

Bedding

Foliation

Fold Axis

Rock sample

Soil sample

Silt sample

METRES 0 100 200 300 400 500

Geology after Nelson and Payne 1981

ECSTALL MINING CORPORATION

TULSEQUAH PROJECT

ATLIN MINING DIVISION, B. C.

NORTH SHEET

GEOLOGY AND SAMPLE LOCATION MAP

NICHOLSON & ASSOCIATES

DATE:	N.T.S.	SCALE:	FIGURE NO.
OCT., 1990	104K/12E/13E	1:10,000	5

NICK 7

NICK 8

NICK 9

SHAZAH CREEK

TULSEQUAH CHIEF MINE

POLARIS-TAKU MINE

1.1/101/32
5/1/1

0.8/42/30
30/66/2

0.6/81/28
5/1/1

0.5/31/30 X 0.5/175/23
5/9/1 5/31/1

0.7/96/44
5/1/1

TL 2+50 E

L.10+00N
L.9+50N
L.9+00N
L.8+50N
L.8+00N
L.7+50N
L.7+00N

0.8/80/15
5/1/1
60ppb Au only

0.9/110/13
5/1/1

0.7/130/15
5/1/1

0.8/125/6
5/1/1

5.8/37/55
5/97/35

2.7/37/9
20/342/2
1.7/66/17
10/220/7
2.5/14/9
10/379/7

6.3/2014/31
10/1/9

L.5+00N
L.4+00N
L.3+00N
L.2+00N
L.1+00N

0.3/45/32
10/93/1

1.1/129/8
5/1/1

BASELINE 0+00E

LEGEND

▲ Rocks

● Soils

X Silts

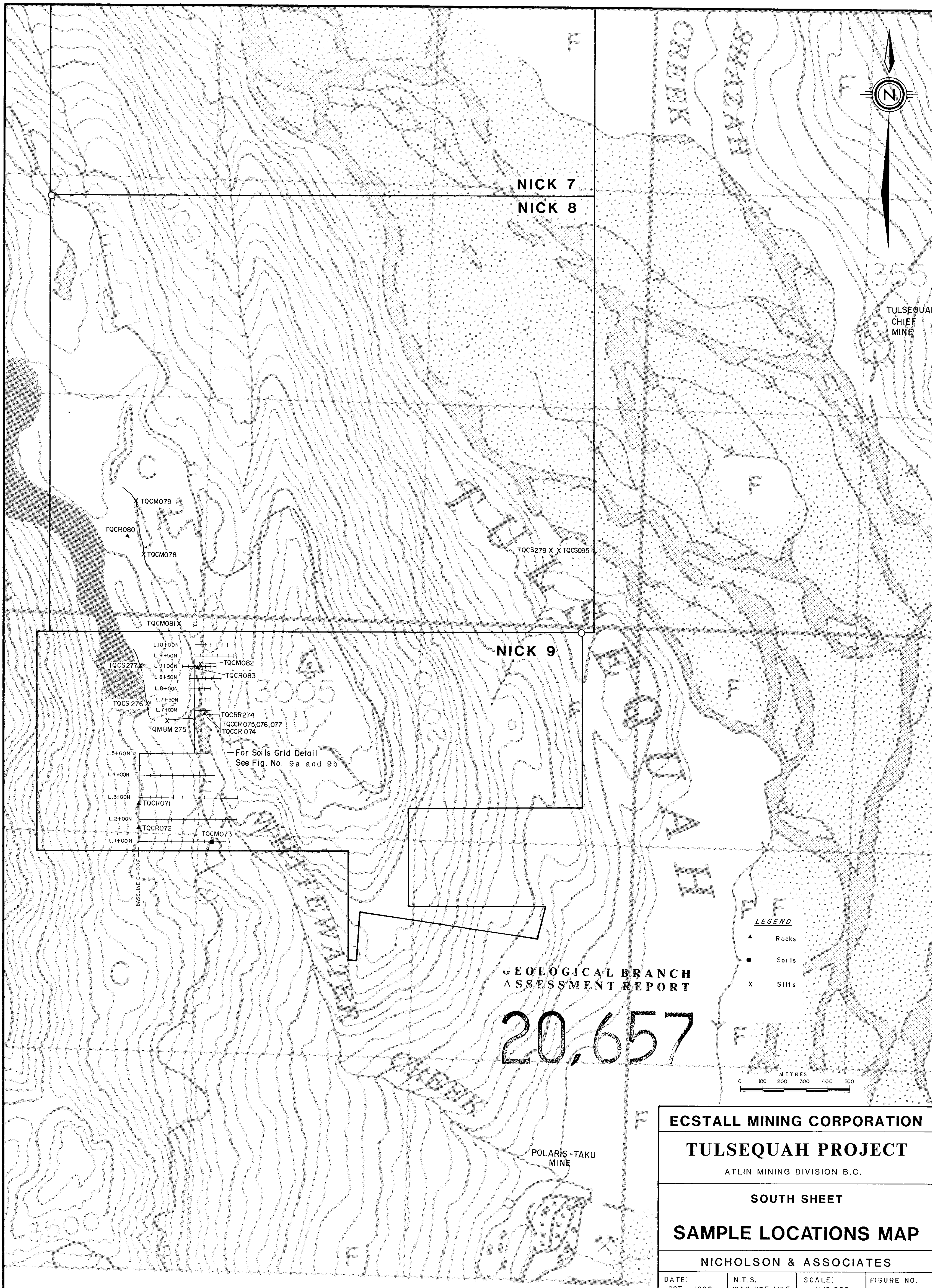
Ag ppm / Cu ppm / Pb ppm
Au ppb / As ppm / Sb ppm

METRES
0 100 200 300 400 500

ECSTALL MINING CORPORATION	
TULSEQUAH PROJECT	
ATLIN MINING DIVISION B.C.	
SOUTH SHEET	
GEOCHEMICAL MAP	
NICHOLSON & ASSOCIATES	
DATE: OCT. 1990	N.T.S. 104K/12E/13E
SCALE: 1:10,000	FIGURE NO. 9

SEQUAH
RIVER
SHAZAH
CREEK
NICK 1
NICK 2
NICK 3
NICK 4
NICK 5
NICK 6
NICK 7
NICK 8
LEGEND
Rock sample
Soil sample
Silt sample
20/974/9 = Au (ppb)/ As (ppm)/ Sb (ppm)
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,657
METRES
0 100 200 300 400 500
ECSTALL MINING CORPORATION
TULSEQUAH PROJECT
ATLIN MINING DIVISION, B. C.
NORTH SHEET
GEOCHEMICAL MAP
Au (ppb)/ As (ppm)/ Sb (ppm)
NICHOLSON & ASSOCIATES
DATE: OCT., 1990
N.T.S. 104K/12E/13E
SCALE: 1:10,000
FIGURE NO. 6

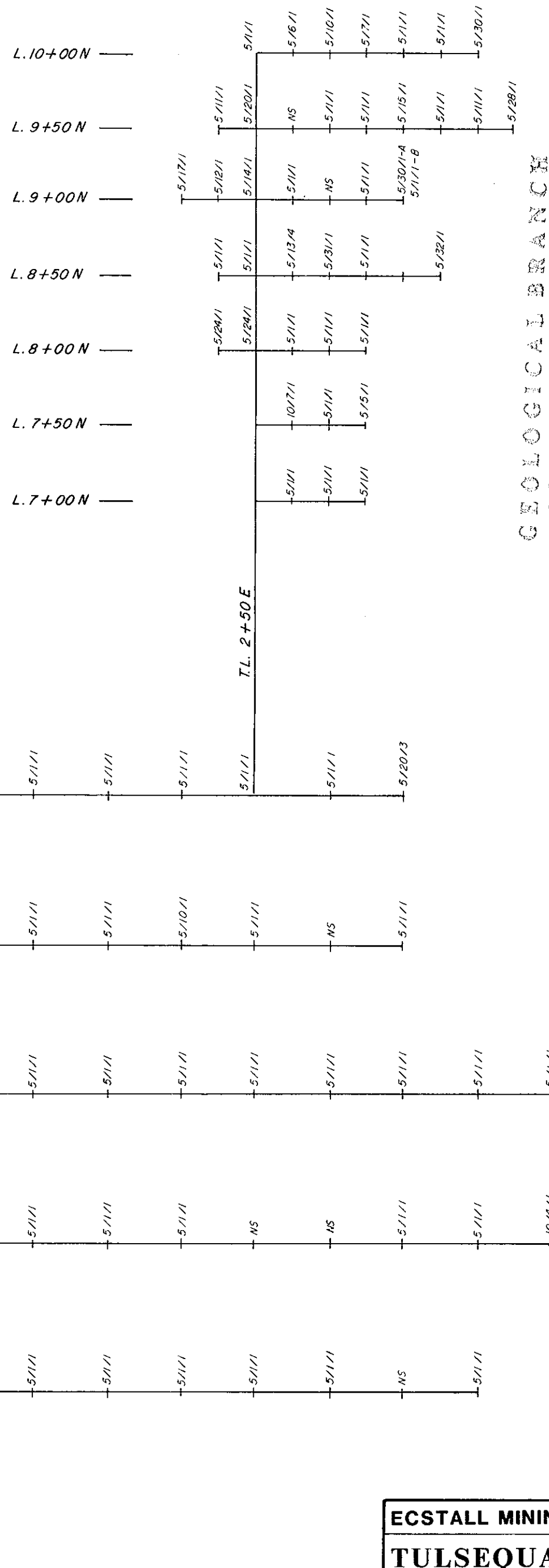
N
IF
F
C
SEQUAH
RIVER
SHAZAH
CREEK
NICK 1
NICK 2
NICK 3
NICK 4
NICK 5
NICK 6
NICK 7
NICK 8
2000
1500
20657
LEGEND
Rock sample
Soil sample
Silt sample
2.2/215/73 = Ag (ppm)/ Cu (ppm)/ Pb (ppm) (unless otherwise shown)
Ag / Cu / Zn (ppm) (ppm) (ppm)
METRES
0 100 200 300 400 500
ECSTALL MINING CORPORATION
TULSEQUAH PROJECT
ATLIN MINING DIVISION, B. C.
NORTH SHEET
GEOCHEMICAL MAP
Ag / Cu / Pb (Zn)
NICHOLSON & ASSOCIATES
DATE: OCT., 1990
N.T.S. 104K/12E/13E
SCALE: 1:10,000
FIGURE NO. 7



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,657

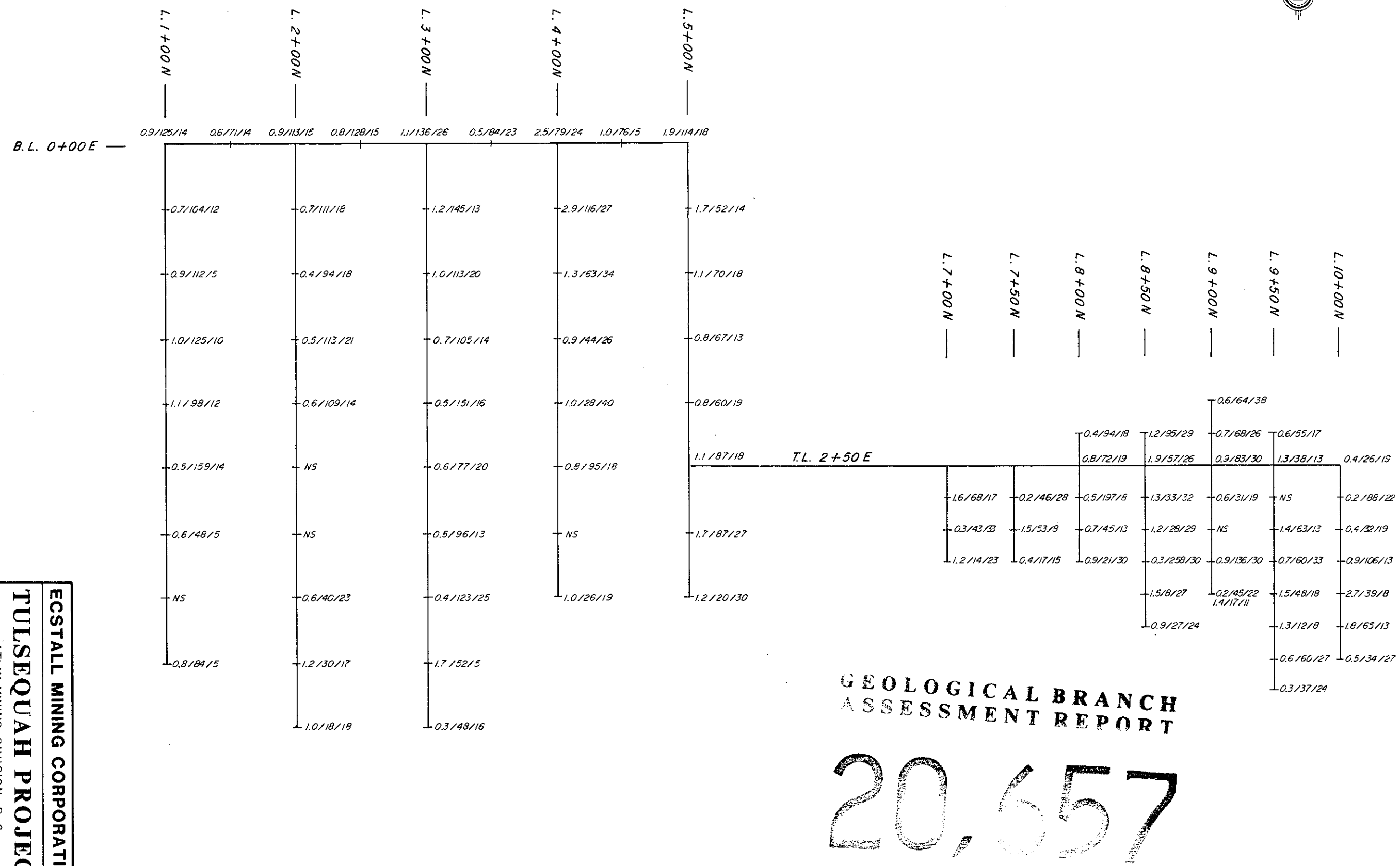
ECSTALL MINING CORPORATION			
TULSEQUAH PROJECT ATLIN MINING DIVISION B.C.			
SOUTH SHEET SAMPLE LOCATIONS MAP			
NICHOLSON & ASSOCIATES			
DATE: OCT. 1990	N.T.S. 104K/12E/13E	SCALE: 1:10,000	FIGURE NO. 8



GEOLOGICAL BRANCH
ASSESSMENT REPORT

5/1/1 — Au ppb / As ppm / Sb ppm

ECSTALL MINING CORPORATION	
TULSEQUAH PROJECT	
ATLIN MINING DIVISION, B. C.	
SOIL GEOCHEMISTRY	
Au / As / Sb	
NICHOLSON & ASSOCIATES	
DATE: OCT. 1990	N.T.S. 104K/12E/13E
SCALE: 1: 3000	FIGURE NO. 9a



0.7/10/12 – Ag ppm / Cu ppm / Pb ppm

ECSTALL MINING CORPORATION

TULSEQUAH PROJECT

ATLIN MINING DIVISION, B. C.

SOIL GEOCHEMISTRY

Ag / Cu / Pb

NICHOLSON & ASSOCIATES

DATE:	N.T.S.	SCALE:	FIGURE NO.
OCT. 1990	104K/12E/13E	1:3000	9b