

ASSESSMENT REPORT

GEOLOGICAL MAPPING

AND

DIAMOND DRILLING

ON THE

UNITED TOMMY CLAIM GROUP  
(33 Units)

(Tommy, Golden Gate, Waterfall and Ken Claims)

ALBERNI MINING DIVISION

BRITISH COLUMBIA

NTS 92 F/3W

Lat 49°10' N Long. 125°23' W

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,729

For:  
Kerr Addison Mines Limited  
703-1112 W. Pender St  
Vancouver, B.C. V6E 2S1

By:  
Robert Potter, P.Eng.

November 10, 1987.

FILMED



Province of  
British Columbia

Ministry of  
Energy, Mines and  
Petroleum Resources

ASSESSMENT REPORT  
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) GEOLOGY & DIAMOND DRILLING	TOTAL COST \$197,344.86
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AUTHOR(S) ... R. Potter, P. Eng. .... SIGNATURE(S) .....

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED .. Sept 17, 1987 ... YEAR OF WORK 1987

PROPERTY NAME(S) .. United Tommy .....

COMMODITIES PRESENT .. Gold .....

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN .....

MINING DIVISION .. Alberni .. NTS .. NTS 92F/3W .....

LATITUDE .. 40° 10' N .. LONGITUDE .. 125° 23' W .....

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

.. Tommy (16 units) .. Golden Gate (6 units) .. Waterfall (2 units) ..  
.. Ken (9 units) Record No's 1029, 1035, 1560, 3216 .....

OWNER(S)

(1) International Coast Minerals Corp. ....

MAILING ADDRESS

1500 - 1176 Georgia Street  
Vancouver, B.C. V6E 4A2 .....

OPERATOR(S) (that is, Company paying for the work)

(1) Kerr Addison Mines Ltd. .... (2) .....

MAILING ADDRESS

703 - 1112 W. Pender St.  
Vancouver, B.C. V6E 2S1 .....

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

.. Zone of sheeted auriferous quartz veinlets within Upper Triassic  
.. Karmutsen andesites and Tertiary (?) feldspar porphyry dykes.  
.. The steeply dipping zone attains widths of up to 150 meters over a  
.. strike length of 1400 meters .....

REFERENCES TO PREVIOUS WORK Spilsbury, T.W. Sept 17, 1984, Report on  
geological, geochemical, electromagnetic and magnetometer surveys  
conducted on Tommy, Golden Gate and Waterfall Claims.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
<b>GEOLOGICAL (scale, area)</b>			
Ground	1:1000, 2.8 km <sup>2</sup>	Tommy, Golden Gate	17,344.00
Photo		INcludes labour, transport, food & accommodation	
<b>GEOPHYSICAL (line-kilometres)</b>			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
<b>GEOCHEMICAL (number of samples analysed for ....)</b>			
Soil			
Silt	25 for Au @ \$10.80	Tommy and Golden Gate	270.00
Rock			
Other			
<b>DRILLING (total metres; number of holes, size)</b>			
Core	1656m NQ	Tommy - Includes drilling, supervision, logging, sampling, transport, food & accommodation and report.	151,813.56
Non-core			
<b>RELATED TECHNICAL</b>			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
<b>PROSPECTING (scale, area)</b>			
<b>PREPARATORY/PHYSICAL</b>			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)	Base map 1:5000 18 km <sup>2</sup>	Covers all claims	4,480.00
Line/grid (kilometres)	1.4 km @ \$475.00	Tommy and Golden Gate	6,650.00
Road, local access (kilometres)		Tommy - Road access & Drill sites	6,192.50
Trench (metres)			
Underground (metres)			
			<b>TOTAL COST \$197,344.86</b>

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS:
Value work done (from report)				
Value of work approved				
Value claimed (from statement)				
Value credited to PAC account				
Value debited to PAC account				
Accepted . . . . . Date	Rept. No. . . . .			Information Class . . . . .

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## I SUMMARY

The United Tommy Claim group, which comprises 33 units, is located on the west side of Vancouver Island (NTS 92F/3W). The property is held by Kerr Addison Mines under an option agreement with International Coast Minerals.

The area is underlain by upper Triassic marine andesites which have been intruded by Jurassic granodioritic intrusions and by Tertiary dacitic dykes.

Turn of the century prospecting for gold was directed toward narrow high grade fissure zones. Recent exploration by Teck (1984) outlined a broad zone of sheeted auriferous quartz veinlets with potential for bulk mineable reserves.

The Kerr Addison Program in 1987 included detailed mapping and diamond drilling. Mapping has defined the zone of sheeted quartz veinlets which in the central part of the property has dimensions of 1000 x 200 meters.

A total of 1656 meters of diamond drilling were carried out in 8 holes across the sheeted zone. Core was split in 1 meter lengths for gold determinations by fire assay. Other parameters measured were quartz vein and sulphide volume percentages. Vein densities were seen to increase significantly in and adjacent to feldspar porphyry dykes.

Results were disappointing with most samples returning values less than .07 gm per ton.

## II INTRODUCTION

The United Tommy property is the subject of an option agreement between International Coast Minerals Corp. and Kerr Addison Mines Limited dated November 18, 1986.

During the spring and summer of 1987 a program of detailed geological mapping and diamond drilling was carried out to assess the bulk mineable potential of a major gold bearing sheeted quartz vein system. A statement of exploration and development was filed with the Mineral Resources Division on September 17, 1987.

## III LOCATION, ACCESS AND PHYSIOGRAPHY (Fig. 1)

The Tommy property lies on the east side of the Kennedy River about 30 kilometers east of the community of Ucluelet (NTS 92F/3W). Access is by way of Highway 4 west from Port Alberni. A logging road extends from the highway to the area of drilling; a distance of about 1 kilometer.

Local topography is moderate to steep with elevations ranging from 20 to 1040 meters ASL. The area is drained by deeply incised canyons tributary to Kennedy River.

First growth cedar/hemlock covers the upper slopes. The Kennedy Valley bottom is covered by a jungle of cedar, hemlock, salmonberry and alder.

## IV PROPERTY (Fig. 2)

The United Tommy Claim group comprises a contiguous block of modified grid claims totalling 33 units the details of which are as follows:

Claim Name	Units	Record #	Expiry Date*
TOMMY	16	1029	97
GOLDEN GATE	6	1035	97
WATERFALL	2	1560	97
KEN	9	3216	93

Tommy, Golden Gate and Waterfall claims comprised the United Tommy group property upon signing of the Kerr/ICM agreement on November 18, 1986. The KEN Claim which was staked by Kerr Addison on April 1, 1987 is included in the agreement as per its perimeter clause. Much of this claim overlaps previously staked ground.

\*Assuming acceptance of work filed on September 17, 1987.

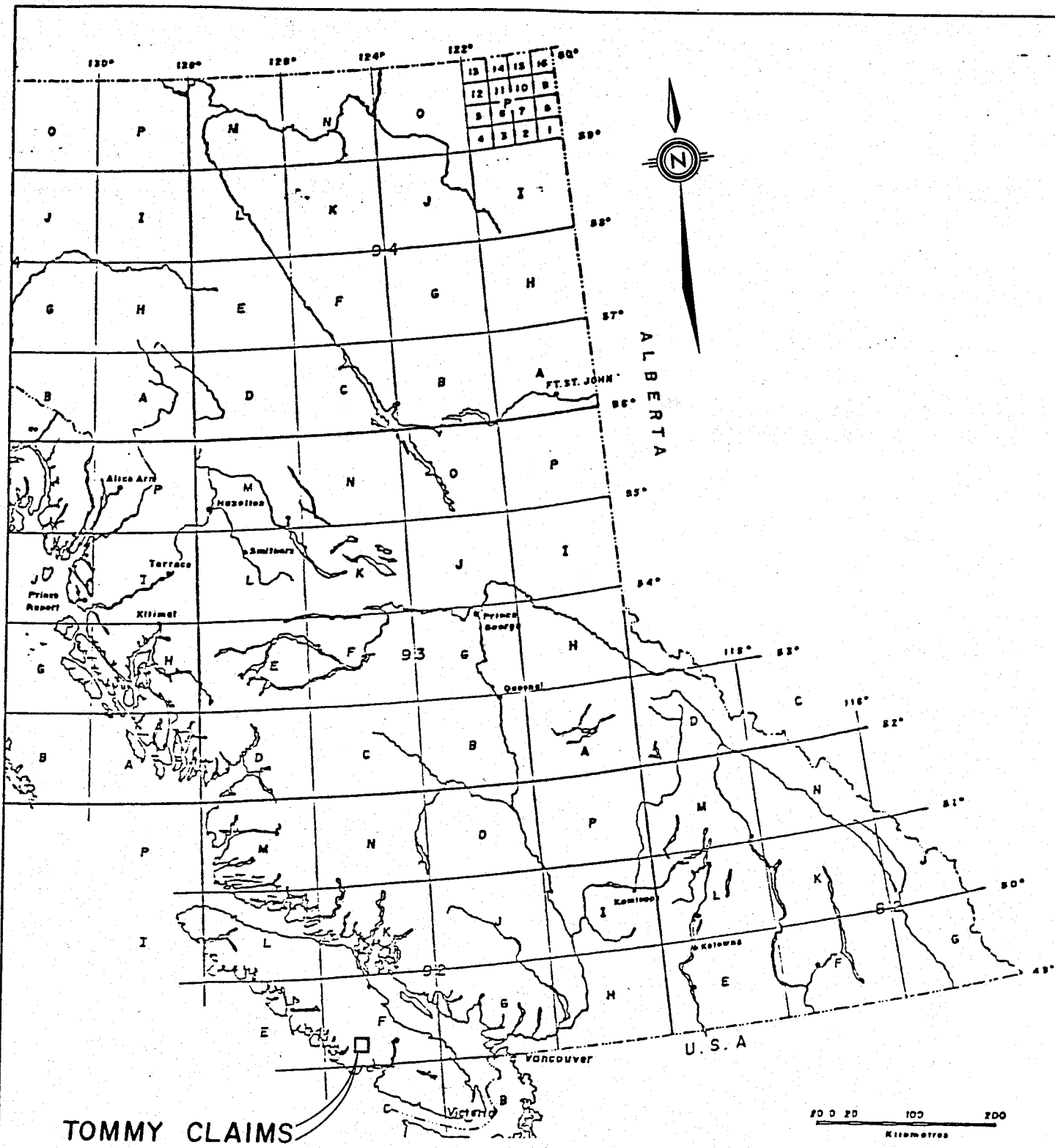
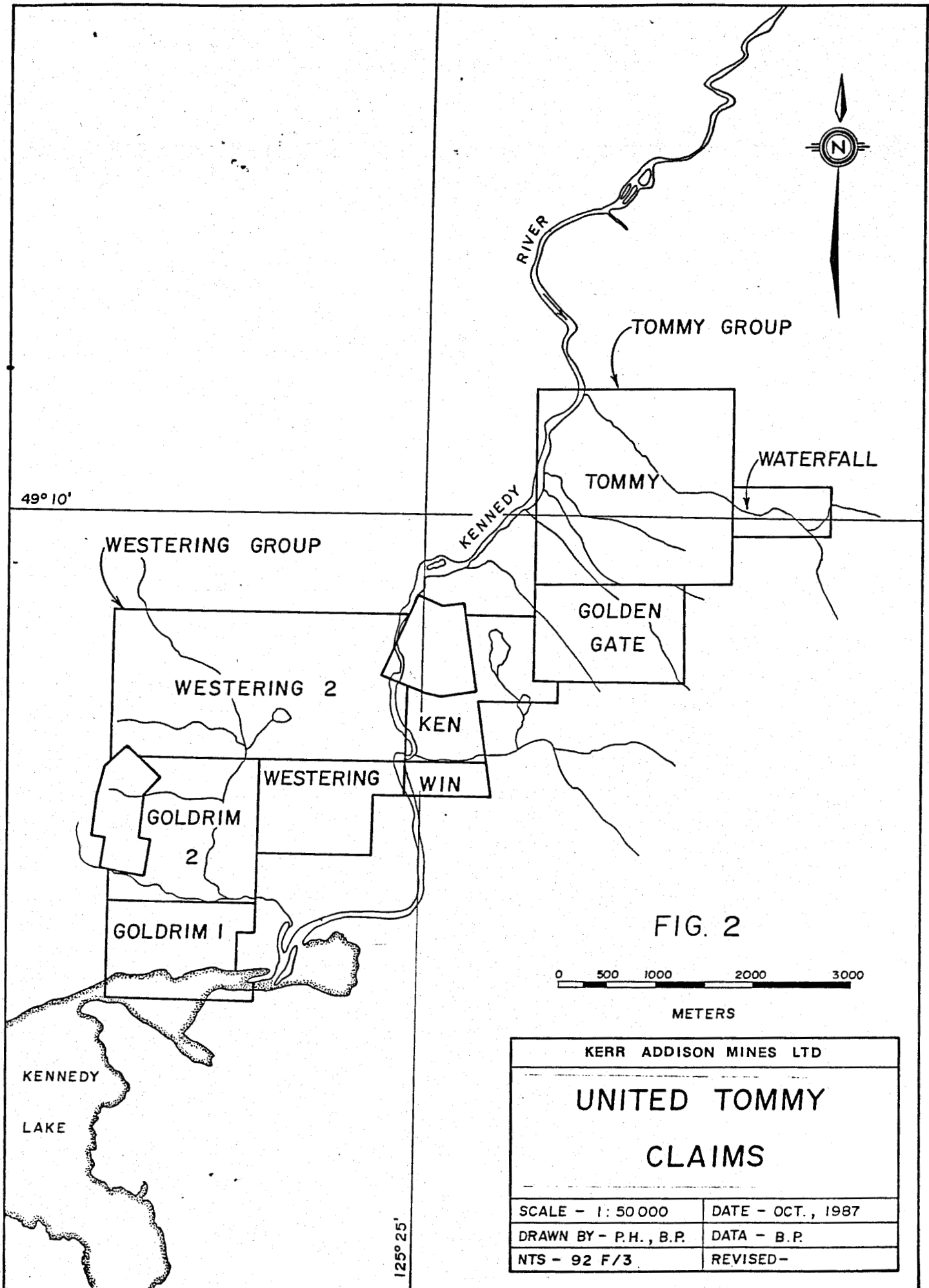


FIG. I

KERR ADDISON MINES LTD	
<b>TOMMY CLAIMS LOCATION MAP</b>	
SCALE - 1 : 7 000 000	DATE - OCT., 1987
DRAWN BY - P.H.	DATA - R.P.
NTS - 92 F/3	REVISED -



49° 10'

WESTERING GROUP

WESTERING 2

GOLDRIM 2

GOLDRIM 1

KENNEDY

LAKE

125° 25'

RIVER

TOMMY GROUP

TOMMY

WATERFALL

KENNEDY

GOLDEN GATE

KEN

WESTERING

WIN

FIG. 2

0 500 1000 2000 3000

METERS

KERR ADDISON MINES LTD

UNITED TOMMY  
CLAIMS

SCALE - 1: 50 000

DATE - OCT., 1987

DRAWN BY - P.H., B.P.

DATA - B.P.

NTS - 92 F/3

REVISED-



## V HISTORY

Exploration in the Kennedy River area during the period 1900 to 1939 is described in B.C. Minister of Mines Annual Reports. Early work was directed toward prospecting for and minor production from narrow high-grade fissure controlled quartz veins such as those of the Bear, Rose Marie, and Leora. Production from the veins of Rose Marie and Leora is reported as 436 tons grading 0.71 oz Au/t.

Recent examinations of the Tommy Claim were made by W.G. Stevenson (1980), Brown (1982) and Drummond (1984). All of these sampled and obtained gold value from the narrow planar quartz veinlets which make up the Tommy system.

In 1984 Teck Explorations carried out geological, geochemical, electromagnetic and magnetic surveys over much of the Tommy Claim on behalf of International Phoenix Energy Corporation. This work broadly describes the geology and in part outlines the limits of the extensive zone of gold bearing sheeted quartz veinlets.

The vein system was again examined by L.B. Goldsmith, P.Eng. in June of 1986.

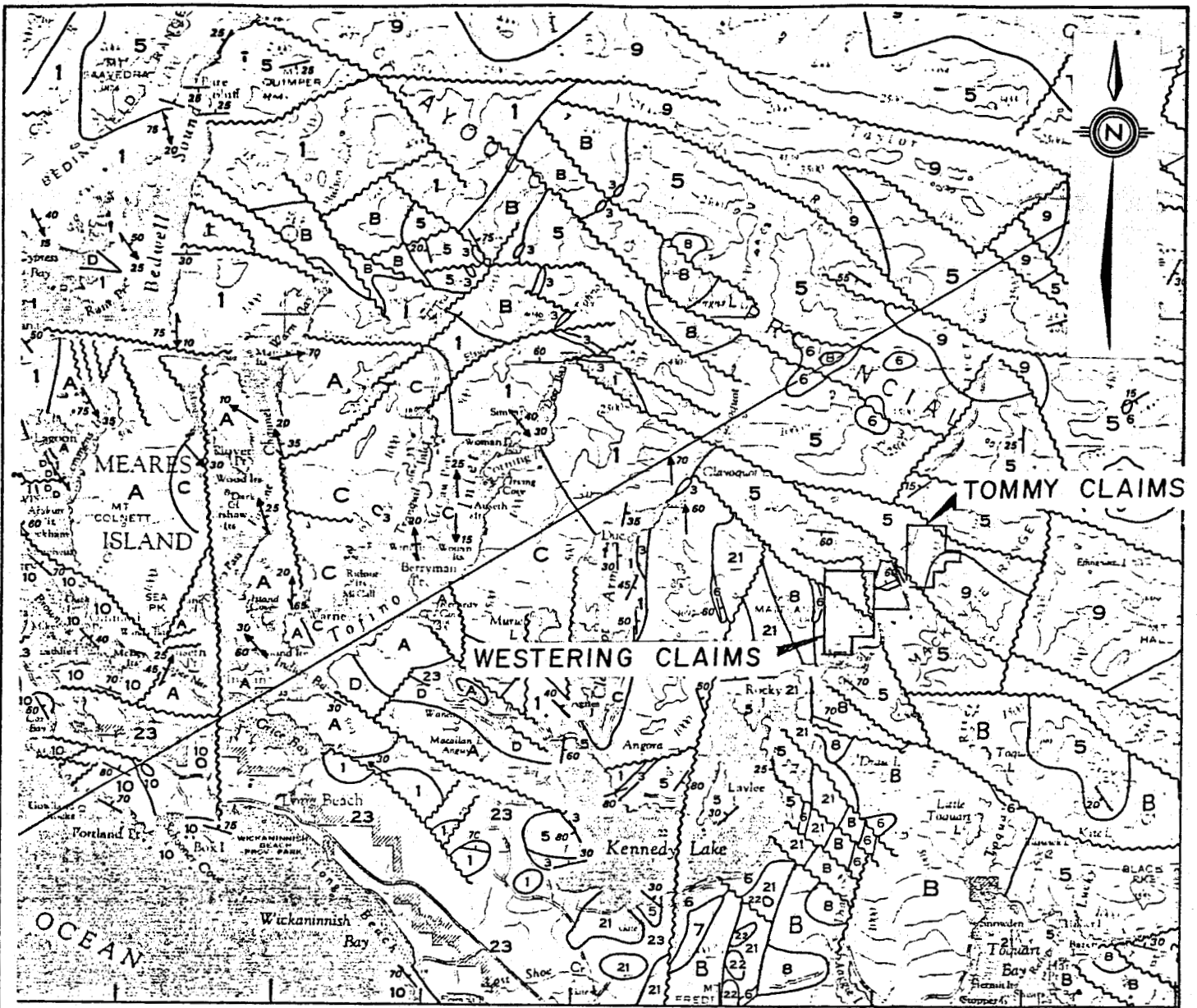
## VI GEOLOGICAL SETTING (Fig. 3)

The geology of the Kennedy River area is described by Muller and Carson in G.S.C. Paper 68-50 entitled "Geology and Mineral Deposits of the Alberni Map Area:.". This is accompanied by Map 17-1968.

Most of the rocks underlying the area have been assigned to the Upper Triassic to Lower Jurassic Vancouver Group. These include:

- Basaltic to andesitic marine volcanics of the Upper Triassic Karmutsen Formation.
- Massive limestones of the Upper Triassic Quatsino Formation.
- Argillites, limestones, and andesites of the Lower Jurassic Bonanza Subgroup.

Of these the Karmutsen rocks are the most widespread. Quatsino limestone is found locally as remnants capping mountain tops and as fault bounded slices at lower elevations.



**TERTIARY**

- 22 Rhyolite to Dacite tuffs and breccias
- 21 Quartz Diorite, Quartz Monzonite, porphyritic Dacite

**JURASSIC**

- 9 Island intrusions: Granodiorite, Quartz Diorite

**MID JURASSIC - UPPER TRIASSIC**

**VANCOUVER GROUP**

- 8 Bonanza sub-group: Andesites, minor Sediments
- 6 Quatsino Formation: Limestone
- 5 Karmutsen Formation: Basalts and Andesites

**PENNSYLVANIAN - SICKER GROUP**

- 1 Volcanic tuff breccias, Schists.

Excerpt from map 17-1968

Geology: Alberni area

by: JE Muller

**FIG. 3**



KERR ADDISON MINES LTD	
<b>REGIONAL GEOLOGY</b>	
SCALE - 1 : 250000	DATE - NOV., 6, 1987
DRAWN BY - J.E.M.	DATA - R.P.
NTS -	REVISED -

Two periods of intrusive activity are recognized. During Jurassic time quartz diorites and granodiorites were emplaced. Tertiary intrusions include quartz diorite, quartz monzonite and porphyritic dacite. Related Tertiary volcanics include rhyolitic to dacitic tuffs and breccias.

Vancouver Group rocks are moderately folded in the Kennedy River area. Dominant fault directions are north-westerly, northerly, and north easterly.

#### VII 1987 PROGRAM

To facilitate mapping an orthophoto base map was prepared at a scale of 1:5000 by Delta Aerial Surveys of Richmond, B.C. using available government photography. This covers the United Tommy claims and adjacent ground. A one kilometer square central area of interest on Tommy was expanded to 1:1000.

A further aid to mapping was provided by a grid of lines cut over the central area of interest. The base-line, designated 50E, is cut parallel to the general  $045^{\circ}$  strike of the quartz vein system for a distance of 2 kilometers. Cross lines spaced at 200 meters extend to the south east for 1 kilometer to a tie line designated 60E. Stations are picketed at slope corrected 25 meter intervals. In practice numerous deviations from this layout were dictated by impassable terrain.

In all, 14 kilometers were cut under contract by Van Alphen Exploration Services of Smithers, B.C.

Drill hole locations are tied to a net of 20 transit/chain stations with a base station TT01 (9002 N, 5004 E) located on the road below the old adit. Table 1 gives the co-ordinates of transit stations and drillhole collars.

Geological mapping was carried out on the property at a scale of 1:1000 during April and May.

An NQ diamond drill program totalling 1656 meters was carried out by Advance Diamond Drilling during the period July 6 to October 6.

Drill core was logged prior to splitting and sampling of one meter intervals. Assays were carried out by Chemex Labs of North Vancouver, B.C. as per procedures described in Appendix I.

TABLE 1

CO-ORDINATES OF TRANSIT STATIONS AND DRILL HOLES

Transit Station	Lat	Dep	Elev.
TT01	9002.00	5004.00	62.00
TT02	8973.72	4975.65	64.83
TT03	8942.11	4980.56	66.59
TT04	8905.26	4956.22	71.76
TT05	8870.18	4968.15	76.93
TT06	8825.94	5002.40	88.80
TT006A	8828.63	4992.60	
TT07	8813.37	5027.60	101.06
TT08	8808.30	5043.74	109.57
TT09	8861.29	5041.23	120.11
TT10	8876.12	5039.17	116.30
TT11	8973.53	5036.13	76.58
TT12	8952.55	5048.01	84.63
TT13	8911.46	5039.64	100.95
TT14	8932.60	5079.02	99.34
TT16	8852.55	4935.44	67.60
TT17	8903.68	4924.04	56.69
TT18	8933.08	4911.53	45.76
TT19	8953.80	4905.16	41.17
TT20	9026.15	4939.42	50.34

Drill Hole	Lat.	Dep.	Elev.	Length	Az	Dip
T87-1	8985.71	5009.60	64.91	157.77	130.83	-10°
2	8901.97	4961.90	72.34	197.21	125.30	-30°
3	8816.89	4901.02	31.70	31.7	130.44	-30°
4	8784.59	4847.36	79.65	225.47	135.47	-28°
5	9198	4984	20	273.41	273.41	-32°
6	8810	4578	39	352/65	130.0	-10°
7	8985.5	5009.55	64.20	212.45	133.0	-40°
8	9198	4984	20	192.94	088.0	-27°

TABLE 2

LITHOLOGIC UNITS FOUND ON OR NEAR TOMMY CLAIMS

TERTIARY:

- QV<sub>T</sub>    Sheeted quartz veins with gold:  
          Coarsely crystalline quartz with 10-20% calcite  
          0-2% pyrite, pyrrhotite, chalcopyrite, arseno-  
          pyrite. Planar, .1 to 10cm thick, average 1cm.
- 22       Dacitic Lapilli Tuff: cut by QV<sub>T</sub>  
          Exposed outside of property on west side of  
          Kennedy River.
- 21       Dacitic Feldspar Porphyry:  
          Spatial relationship to QV<sub>T</sub>  
          Numerous dykes in area of 1987 drilling.

MIDDLE TO UPPER JURASSIC:

- 9        Island Intrusions:  
          Hornblende granodiorite.

UPPER TRIASSIC:

- 7        Bonanza Subgroup - Sedimentary Division  
          Argillite.
- 6        Quatsino Formation:  
          Massive coarsely recrystallized limestone.
- 5        Karmutsen Formation:  
          Andesitic breccias, lapilli tuffs, tuffs and  
          both massive and pillowed flows.  
          Host to QV<sub>T</sub>.

\*\*Numbers refer to units described by Muller (1969).

### VIII PROPERTY GEOLOGY (Fig. 4 & 5)

Table 2 presents a list of lithologic units found on or near the Tommy Property.

The oldest and most widespread rocks are submarine volcanics of the Karmutsen Formation. These are massive, dark green, pervasively chloritized andesites which include a variety of textural types. The central and northern part of the property is underlain by massive andesite breccias (Abx) and lapilli tuffs (Alt). Overlying these to the south and east are andesitic tuffs (At) and flows (Afg). Textures tend to be obscure except where rocks have been polished by stream action or etched by organic soil acids. Hence the central area which is mapped on surface as being entirely breccias and lapilli tuffs is shown by drilling to be a more complex assemblage of breccias with interbedded tuffs cut by numerous feldspar porphyry dykes.

Clear evidence of bedding is found in the fine grained tuffs south of Canyon Creek. Relatively flat bedding here coupled with the contract trace of fine and coarse assemblage andesites suggests that the Karmutsen rock are gently folded locally.

At the southwest corner of Golden Gate Claim Karmutsen andesites are in fault contact with granodiorite assigned to the Upper Jurassic Island Intrusions. Within a 150 meter wide contact zone the granodiorite is intensely sheared and sericitized.

To the south within the Ken Claim the granodiorite is in contact with coarsely recrystallized Quatsino limestone. The limestone and adjacent argillites of possible Bonanza sub-group affiliation appear to have a fault contact relationship with fine grained andesites on the south side of the Ken Claim.

North westerly trending faults are recognized along Canoe Creek, Adit Creek and south of Canyon Creek. Fault zone exposures typically show intense shearing with local sericitization, silicification and pyritization over widths of 1/2 to 2 meters.

The Tommy quartz vein zone is a broad feature trending northeasterly with gross dimensions of about 1400 x 400 meters. Within this broad zone, narrow planar quartz veinlets are developed in a steeply dipping sheeted pattern. The veinlets vary in thickness from .1 to 10cm with modal thickness in the .5 to 1cm range. Vein densities within the broad zone vary from near zero to something over 4% by volume. The variability of vein densities is shown clearly on the drill sections which include histograms of the vein percentage which makes up each sampled meter of core. Subzones of apparent high vein density can be projected from these. The subzone of most interest is that which extends from the vicinity of the adit south west across Canyon Creek to the hill top on line 96 north. This has a length of about 600 meters and a maximum width of about 200 meters. Average vein density within this feature is slightly less than 2%.

Individual veins comprise coarsely crystalline quartz, about 10% calcite and up to 2% sulphides which in order of decreasing abundance include pyrrhotite, pyrite, chalcopyrite, arsenopyrite and sphalerite. Vein widths vary from less than 1mm to several centimeters with a modal thickness of about 1 centimeter. These veins are characteristically smoothly planar and persistent along strike and down dip for tens of meters.

The Karmutsen host rocks are pervasively chloritized on a regional scale. Disseminated pyrite within the Karmutsen is commonly converted to pyrrhotite within the vein zone. With the exception of very localized silicification there are no alteration haloes associated with the quartz veins.

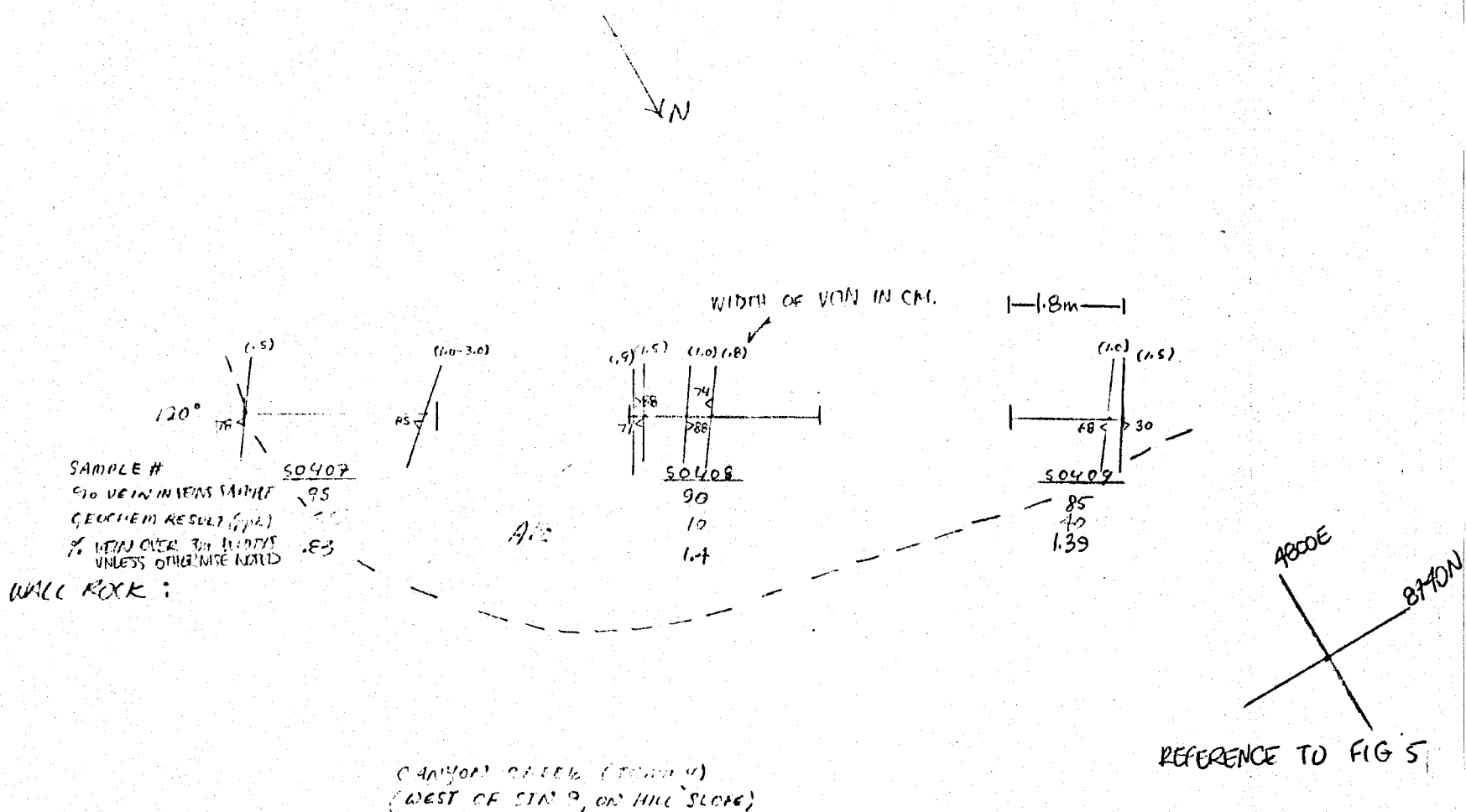
Of significance in the dating of structures and mineralization on the Tommy Claims is an exposure of dacitic lapilli tuff which lies along the Kennedy River west of Ken Claim. This is lithologically and texturally similar to rocks of Tertiary age which were recognized by Muller and Carson in the Kennedy Lake area to the south. This local lapilli tuff is cut by the same type of steep, northeast striking, planar quartz veinlets which characterize the Tommy quartz vein system.

#### IX DRILLING AND SAMPLING RESULTS

Figures 6 to 9 show the locations geometry and results of detailed surface sampling of the quartz veins exposed along Canyon Creek and along grid line 96 north. Samples comprise material from veins over three meter widths. Figures are given for vein percentages over these widths as well as fire assay determined gold content. The maximum value obtained was 845 ppb Au from sample 50413 on line 96 north. Only one sample on Canyon Creek returned a value greater than 100 ppb (#5042; 285 ppb Au).

Drill hole locations are shown on Fig. 5. Detailed logs are given in Appendix I. Included in the logs are details of lithology, vein geometry and density, and assay data. Figures 10 to 15 are sections along drill holes which present lithology, sampled intervals and results, and vein density histograms.

One meter sampling was continuous in holes 1 to 5. In holes 6 to 8 samples were only taken of those 1 meter intervals with a vein density greater than 2%.



SCALE 1:100

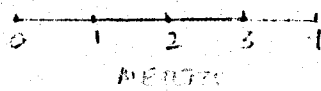
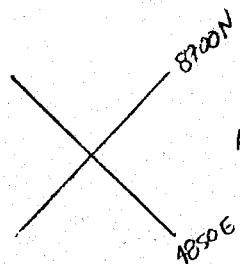


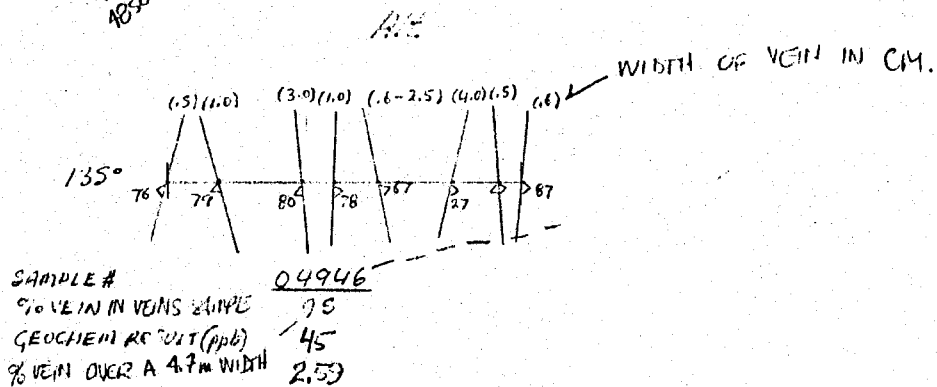
FIGURE 6  
UNITED TOMMY  
DETAILED VEIN SAMPLING  
(Canyon Creek)  
SCALE - 1:100  
S. Seto July, 1987



CANYON CK (Tommy)



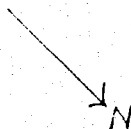
REFERENCE TO FIG 5



FALLS

CREEK

WALL ROCK:



© STN MAY 8-10

SCALE 1:100

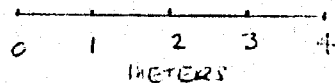
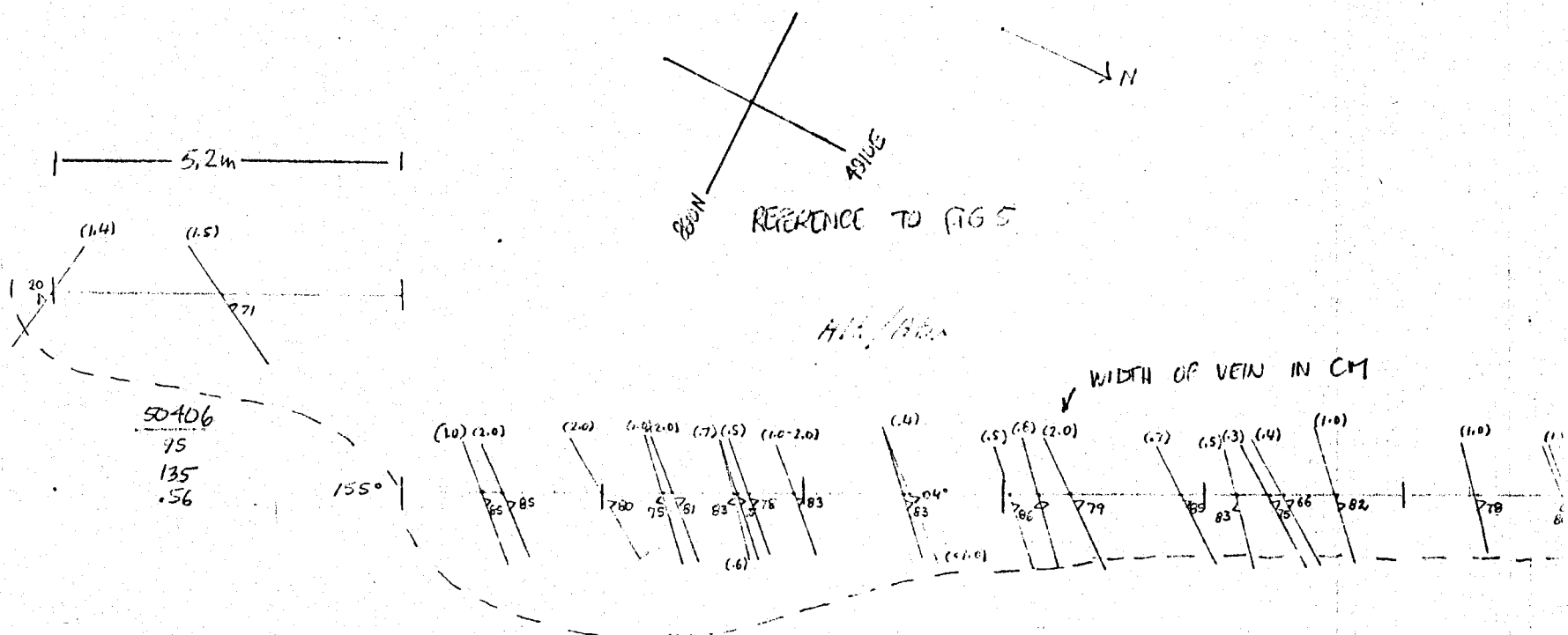


FIGURE 7  
 UNITED TOMMY  
 DETAILED VEIN SAMPLING  
 (Canyon Creek)  
 Scale 1:100  
 S. Seto, July, 1980



50405	50404	50403	50402	50401	04950
95	95	>95	95	85	95
<5	95	<5	285	5	20
1.67	1.5	.12	1.33	.73	1.77

WALL ROCK :

CANYON CREEK (Tommy)

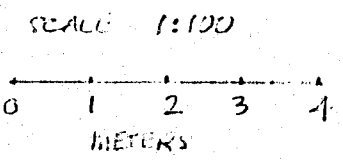
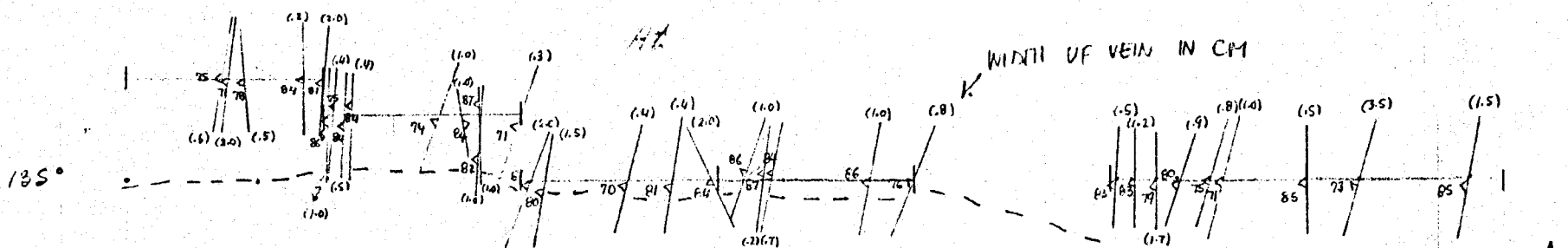
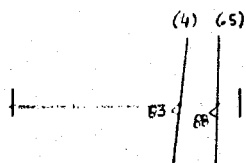
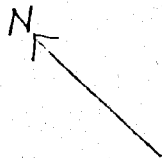
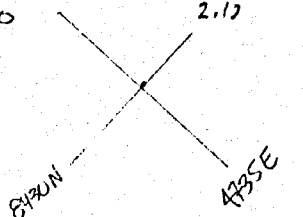


FIGURE 8  
 UNITED TOMMY  
 DETAILED VEIN SAMPLING  
 (CANYON CREEK)  
 Scale - 1:100  
 S. Seto July, 1987



SAMPLE #	50413	50414	50415	50416	50417	50418	50419
% VEIN IN VEINS SAMPLE	85	85	75	75	>95	75	93
CHEMICAL RESULT (ppb)	815	85	<5	<5	<5	<5	<5
% VEIN OVER 9m WIDTHS UNLESS OTHERWISE NOTED	1.77	2.20	2.17	1.23	1.50	2.03	1.83

WALL ROCK: ANDESITE TUFF



REFERENCE TO FIG 5

(HT 96100N 54+25E TO 96100N 54+58E)

SCALE 1:100

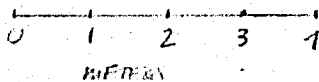


FIGURE 9  
 UNITED TOMMY  
 DETAILED VEIN SAMPLING  
 (L 96100N 54+25E)  
 Scale 1:100  
 S. Sato JULY, 1967

### DRILLING HIGHLIGHTS

#### Fig. 10, Holes T87-1 & 7

Hole 1 was collared at  $-10^{\circ}$  to intersect the main vein zone below the old adit. It cuts a section which is predominantly coarse andesite breccia with some andesitic lapilli tuff. The upper section of this hole cuts some discontinuous units of fine grained tuffs.

Steeply dipping planar quartz veins typical of the Tommy sheeted swarm ("T type") are present throughout the hole. The main vein swarm extends from about 32 meters to beyond the 170 meter total depth. Average vein density here is about 2%. A section of higher vein density is evident between 83 and 142 meters. This section averages about 2.5% quartz vein.

Gold assay returns of continuous 1 meter sampling are low throughout. Highest values were obtained from the 83 to 142 meter interval. Of 59 one meter samples assayed here 16 were found to run greater than 0.07 gm/t gold. These ranged from 0.14 to 1.78 with an average of 0.55 gm/t.

Hole 7 was drilled below hole 1 at a  $-40^{\circ}$  dip.

The lithologies are again coarse andesite breccias and lapilli tuffs. Fine grained andesite sections are scattered throughout the hole but do not correlate well with similar units in hole 1. A dacitic feldspar porphyry dyke is cut between 180.5 and 190 meters. Similar dykes are prominent features in holes 2 to 8.

T type quartz veining is spread throughout hole 7. This averages between 1.5 to 2%. A slightly better than average section occurs between 84 and 165 meters.

Samples were split only from meter lengths with vein densities greater than 2%. The best results were obtained from the 81 meter interval between 84 and 165 meters. Of 24 samples taken here 7 returned values greater than 0.07 gm/t in the range 0.14 to 2.26 gm/t gold.

Fig. 11 - Hole T87-2

This hole cuts a volcanic section dominated by andesite breccias down to 142 meters and fine grained andesite below this. The volcanics are cut by fresh feldspar porphyry dykes between 64 and 125 meters and again between 165 and the end of the hole at 197 meters. Core intersections indicate that the dykes are steeply dipping.

Quartz veining occurs throughout the hole with a relatively well defined swarm between 2 and 146 meters. Average density here is again about 2%. The veining shows a notable increase in density in and adjacent to feldspar porphyry dykes.

Continuous 1 meter samples returned only 8 with gold in excess of 0.07 gm/t and a high value of 0.82 gm/t.

Hole 87-3

Stopped in caving overburden at 31.7 meters.

Fig. 12 - Hole T87-4

Hole 4 was drilled to test the vein swarm just north of Canyon Creek. The andesitic volcanic section is coarse breccia to about 40 meters, fine grained to 159 meters and coarse breccia again to the bottom of the hole at 225 meters. Numerous feldspar porphyry dykes cut the volcanics down to 159 meters.

Quartz veining is scattered throughout the hole. Densities commonly exceed 4% in and adjacent to dykes. Of 226 one meter samples only 21 exceeded a 0.07 gm/t gold content. These ranged from 0.14 to 1.78 gm/t.

Fig. 13 - Hole T87-3

Hole 5 was drilled to test the northern extension of the vein zone. The first 193 meters cut a massive section of coarse andesite breccia. These are cut by several feldspar porphyry dykes. The lower section 220 to 273 meters cuts fine grained andesite. The contact zone between upper and lower units is invaded by porphyry dykes and is cut by a fault zone.

Quartz veining is concentrated within porphyry dykes and the fine grained andesite.

Of 273 one meter samples assayed only 16 exceed 0.07 gm/t gold. The highest of these 1.82 gm/t was from the fault zone at 213 meters.

Fig. 14 - Hole 6

Hole 6 is a long (353 m) and flat ( $-10^{\circ}$ ). It was drilled to test the south end of the vein swarm. The volcanic section here comprises andesitic crystal lithic tuffs, lapilli tuffs and fine grained tuffs. Andesite breccias are absent.

The wide diffuse nature of the quartz vein zone is well illustrated in this hole. Average vein density of the entire hole is about 1%. A notable concentration occurs in and adjacent to porphyry dykes near the top of the hole.

Samples were taken only of core with quartz veining greater than 2%. Of 52 samples split only 1 returned a value greater than 0.07 gm/t (1.71 gm/t).

Fig. 15 - Hole T87-8

Drilled to test the north extension of the vein zone. The entire volcanic section of this hole is coarse andesite breccia. Five feldspar porphyry dykes intrude the volcanics.

Veinn density is markedly lower than in sections drilled to the south. Again relatively dense veining is associated with dykes.

Twenty-nine samples were split from core exceeding a 2% quartz vein cut-off. None of these returned values in excess of 0.07 gm/t gold.

APPENDIX I

SAMPLE PREPARATION AND ANALYSIS  
(As per Chemex 1987 Schedule)

Sample preparation (Chemex code 212):

Rock and core samples.

Dry, crush entire sample in two stages, subsample and pulverize using rotary grinder. Screen sample to -140 mesh and examine screen for metallics. If metallics are present, they are analyzed separately; otherwise the +140 mesh fraction is hand pulverized and homogenized with the original sample.

Analysis (Chemex code 399 - Gold)

Fire assay, A.A. finish.  
Detection limit .07 gm/t.

APPENDIX II

COST SUMMARY - UNITED TOMMY CLAIMS

1. Geological Mapping & Sampling:

Base Map - Delta Aerial Surveys		4,480.00
Line Cutting - Van Alphen Exploration Services		6,650.00
Labour:		
R. Potter - Geologist - Mapping		
April 1 to June 15, 48 days @ \$168	\$8,064.00	
P. Harness - Assistant		
April 10 to May 25, 31 days @ \$80	\$2,480.00	
S. Seto - Geologist - Sampling		
July 10 to 22, 12 days @ \$105	\$1,260.00	
K. Stroes - Geologist - Sampling		
July 10 to 22 12 days @\$90	\$1,080.00	
		<u>12,884.00</u>
Truck rental and fuel		2,400.00
Chemex analyses 25 @ \$10.80		270.00
Food and Accommodation 103 days @ \$20/day		2,060.00
		=====
		\$28,744.00

2. Diamond Drilling:

Gibson Bros. - Road work & drill sites		6,192.50
Advance Diamond Drilling:		
Coring	\$79,482.50	
Labor/Equipment	19,604.80	
Supplies and materials	19,649.65	
Mob/Demob	2,948.00	
		<u>\$121,994.56</u>
Supervision, Logging, Sampling:		
R. Potter - Geologist		
June 16 to Oct 15, 58 days @ \$168	9,744.00	
K. Stroes - Geologist		
July 23 to Oct 30, 82 days @ \$100	8,200.00	
B. Miller - Votr dpliyrt		
July 2 to 8, 7 days @ \$45	315.00	
D. Lang - Core splitter		
Aug 9 to Oct 13, 49 days @ \$60	2,940.00	
		<u>21,199.00</u>
Truck rental and fuel		2,700.00
Chemex analyses 981 samples @\$10.80		10,594.00
Food and Accommodation 196 days @\$20		3,920.00
Report		2,000.00
		=====
TOTAL		\$197,344.86



## APPENDIX III

### PERSONNEL AND CONTRACTORS

#### 1. KERR ADDISON MINES LIMITED - Employees

- (i) Robert Potter, P.Eng. - Project Geologist  
R R 1 - Fulford Harbour, B.C. V0S 1C0
- (ii) Sandra Seto, B.Sc. - Geologist  
1210 60 Glamis Dr., S.W.  
Calgary, Alberta T3E 6T5
- (iii) Karen Stroes, B.Sc. - Geologist  
1130 Findlay Street,  
White Rock, B.C. V4B 4K8
- (iv) Patrick Harness - Assistant  
Box 975 Ucluelet, B.C.
- (v) Byron Miller - Core Splitter  
1130 Findlay Street  
White Rock, B. C.
- (vi) Don Lang - Core Splitter  
91 Machleery Street  
Nanaimo, B.C. V9R 2G3

#### 2. CONTRACTORS:

- (i) Gibson Brothers Contracting Ltd.  
P.O. Box 74, Tofino, B.C.
- (ii) Delta Aerial Surveys Ltd.  
#5 - 7100 River Road,  
Richmond, B.C.
- (iii) Van Alphen Exploration Services Ltd.  
Box 754, Smithers, B.C.
- (iv) Advance Diamond Drilling Ltd.  
19469 - 92nd Ave.,  
Surrey, B.C. V3T 4W2

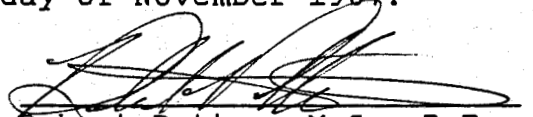
APPENDIX IV

CERTIFICATE

I, Robert Potter, do hereby certify:

1. That I am a Geological Engineer currently in the employ of Kerr Addison Mines Limited.
2. That I am a graduate of the University of British Columbia B.A.Sc. (Geological Engineering) 1961 and of McGill University M.Sc (Mineral Exploration) 1972.
3. That I am a member in good standing of the Association of Professional Engineers of B.C.
4. That this Assessment Report, dated November 10, 1987, is based on my knowledge of the geology of the Kennedy River area and on my direct involvement in the mapping and diamond drilling program carried out by Kerr Addison Mines Limited on the Tommy property in 1987.

Dated at Vancouver, B.C. this 10th day of November 1987.

  
Robert Potter M.Sc., P.Eng.

## APPENDIX V

### REFERENCES

- B.C. Minister of Mines, Annual Reports. 1903. p.H232; 1904. p. H192; 1914. p. K219; 1923. pp. A245-246; 1935. pp. F46-F48. 1939. p. A42.
- Brown, C.J. August 20, 1982. Report on Kennedy River claims, Alberni Mining Division, British Columbia. Private report for Rich Lode Corporation.
- Brown, C.J. November, 1982. Report on Kennedy River claims, Alberni Mining Division, British Columbia. In Prospectus for Rich Lode Gold Corp; dated February 23, 1983.
- Drummond, A.D. January 19, 1984. Report on the Tommy, Golden Gate, and Waterfall Mineral Claims, Alberni Mining Division, Kennedy River, West of Port Alberni, B.C. In Statement of Material Facts for International Phoenix Energy Corporation, dated May 17, 1984.
- Eastwood, G.E.P. 1968. Geology of the Kennedy Lake area, Vancouver Island, B.C. B.C. Department of Mines and Petroleum Resources. Bull. No. 55.
- Goldsmith, L.B. 1986. Review of Exploration Data United Bear and United Tommy Mineral Claim Groups. Kennedy River Area. Alberni Mining Division, Vancouver Island, B.C.
- Groves, W.D. June 1, 1985. Examination of Bear Group property, Kennedy River area. Alberni Mining Division, Vancouver Island, B.C. Private report for First Coast Minerals Corp.
- Groves, W.D. December 9, 1985. Letter report documenting a property visit subsequent to June 2, 1985, submitted for First Coast Minerals Corporation.
- Muller, J.E. and Carson. D.J.T. 1969. Geology and mineral deposits of Alberni Map Area, B.C. G.S.C. Paper 68-50 AND MAP 17-1968.
- Spilsbury, T.W. September 17, 1984. Report on the geological, geochemical, electromagnetic, and magnetometer surveys conducted on the Tommy, Golden Gate, and Waterfall claims, Alberni Mining Division. Private report for Teck Explorations Limited and International Phoenix Energy Corporation.

APPENDIX VI

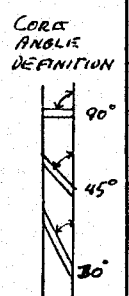
DIAMOND DRILL LOGS

KERR ADDISON MINES LIMITED

N.T.S. MAP GRID: 92F/3 DEPTH 0.00 DIP 10° AZ. 130.83 LENGTH: 169.77  
 LOCATION: 0.00 ELEVATION: 64.91 PROPERTY: TOMMY  
 DATE COLLARED: July 6/87 60.96 8.3° 130.83 NORTHING: 8985.71 CORE SIZE: NQ  
 DATE COMPLETED: July 17/87 121.92 8.5° 130.83 EASTING: 5009.60 SCALE OF LOG: \_\_\_\_\_  
169.77 9.5° 130.83

HOLE No.: T87-1  
 SHEET No 1 of 10  
 LOGGED BY: RP/KS  
 DATE: \_\_\_\_\_

Metres From - To	Rock Type and Textures Colour, Alteration	ANGLES			VEINS		Graphic-veins		%			%			Metres-Block BOX 1	Est. core rec. % = 100%	ASSAY					
		Contacts Bedding Cleav./Foliat. Faults	Type Thickness Angle	Generation	Metres v.g. Size v.g. mm	Metres v.g. Size v.g. mm	Chlorite Epidote Quartz	Carbonate	Chalcopyrite Arsenopyrite Pyrrhotite Pyrite	No Vn	% Vn	% S.G.	Au g/t									
0.00 - 9.30	ANDESITE FLOW BRECCIA: (Abx) - Light grey green frags - 1 to 5 cm, max 10cm		Q 1 85 7 Q 2 85 3 Q 4 85 7 Q 6 2 85 2	1 3 3 2	4.91 4.96 5.03 8.13	1 1 0	10 2	2 fr fr fr fr					fr fr fr fr fr fr	✓	0 2 2 3 4 5 6 7 8 9 10 11 12	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	0 0 0 0 2 1 0 0 1 4 0 1	0 0 0 0 .3 .4 0 0 .2 3.3 0 .3	100% 100% 100% fr fr fr fr fr fr fr fr fr fr fr	<.07 <.07 <.07 <.07 <.07 <.07 <.07 <.07 <.07 <.07 <.07 <.07 <.07 <.07 <.07		
UNIT 1	- Darker green fragmental matrix. - Pervasive chloritization - Light patches of fine material attached to calcite and epidote - Fine pyrite scattered throughout													Box 1								
9.30 - - 12.30	BRECCIATED ANDESITE: (Afx) Fine grained, Dark grey grs with light green to white breccia matrix		Q 6 85 2 Q 1 90 2 Q 1 90 2 Q 25 85 2 Q 3 85 2	2 2 2 2 2	9.30 9.70 9.71 9.76 11.66		5 2 2	5				1 0 0 0 0	✓									
UNIT 2	Fractures and matrix calcareous ~1% pyrite in matrix and along frac. pervasive chloritization													Box 2								



METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles		Veins		Graphic-veins		VEIN				%				Meters Blocks	EST. Core Rec.	ASSAY								
		Contacts Bedding	Cleak/Foliat Faults	Type Thickness	Angle Generation	Meters # V.G.	Size V.G. mm.	Thickness % Si	ENVELOPE % Si	% Sulph.	Chertite	Episide	Quartz	K feld	Carbonate			Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	FROM SAMPLE N. TO	Sample Length	No Vn	% Vn	% Si
12.30 - -18.93	ANDESITE FLOW BRECCIA: (A <sub>bx</sub> )  Light grey green Notable sections of light green to white which are siliceous, slightly calcareous with some epidote (possibly fr. sil tuff or chert matrix horizons) Not distinctive text at 14.7 w/ pyrite diss and along fac. Rusty green fac @ 15.5 Numerous early (?) calcareous fac.	30		Q 6 80 3	14.46					5	1			2					1	12	1.0	0	0	2.3	<.07	
UNIT 3				Q 2 70 2	14.80				0	0			2					1	13	1.0	0	0	2.0	<.07		
				Q 10 60 3	15.1				2	2			2					1	14	1.0	2	.8	tr	.27		
				Q 4 70 3	16.6				1	1			10					1	15	1.0	1	1.0	1.0	<.07		
				Q 15 60 3	18.65				1	1			1					1	16	1.0	1	.4	1.1	<.07		
																			17	1.0	0	0	.8	<.07		
																			18	1.0	1	1.5	tr	<.07		
																			19							
																			20							
																			21							
18.93 - -25.87	ANDESITE FLOW: (A <sub>fj</sub> ) Predominantly fine grained dark green, massive  - Patches of mottled white to light green siliceous material (precipitate?) - Diss. pyrite throughout - Numerous calcareous fac of vlt (1°)			Q 2 85 2	19.1					10	2			2				1	20							
				Q 5 70 3	22.6								40	60				2	21	1.0	1	.2	.2	<.07		
				Q 6 80 2	25.3					5	35		60	35				tr	22	1.0	0	0	.5	<.07		
UNIT 4																			23	1.0	0	0	.5	<.07		
																			24	1.0	0	0	.5	<.07		
																			25	1.0	0	0	.5	<.07		
																			26	1.0	0	0	.5	<.07		
																			27	1.0	0	0	.5	<.07		
																			28	1.0	0	0	.5	<.07		
																			29	1.0	0	0	.5	<.07		
																			30	1.0	0	0	.5	<.07		
																			31	1.0	0	0	.5	<.07		
																			32	1.0	0	0	.5	<.07		
																			33	1.0	0	0	.5	<.07		
																			34	1.0	0	0	.5	<.07		
																			35	1.0	0	0	.5	<.07		
																			36	1.0	0	0	.5	<.07		
																			37	1.0	0	0	.5	<.07		
																			38	1.0	0	0	.5	<.07		
																			39	1.0	0	0	.5	<.07		
																			40	1.0	0	0	.5	<.07		
																			41	1.0	0	0	.5	<.07		
																			42	1.0	0	0	.5	<.07		
																			43	1.0	0	0	.5	<.07		
																			44	1.0	0	0	.5	<.07		
																			45	1.0	0	0	.5	<.07		
																			46	1.0	0	0	.5	<.07		
																			47	1.0	0	0	.5	<.07		
																			48	1.0	0	0	.5	<.07		
																			49	1.0	0	0	.5	<.07		
																			50	1.0	0	0	.5	<.07		

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles				Veins		Graphic-veins		VEIN ENVELOPE		%				%				Meters Blocks	EST. Core Rec.	ASSAY												
		Contacte	Bedding	Clax/Foliat	Faults	Type	Thickness	Angle	Generation	Meters	# V.G.	Size V.G. mm.	Thickness	% S.	% S/pl.	Chlorite	Epidote	Quartz	Feld			Carbonate	Sulphide	Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	FROM SAMPLE N. TO	Sample Length	No. Vn	% Vn	% Sol.	Au 3 g/T	Ag ppm
39.93 - 40.39	QUARTZ VEIN (QV) Coarse textured, white with py, spy, po, arseno? Broken core. Some loss reported by drill.					Q	150	?	3				10	1	1	98				2		1	?	1	1	39.93								
40.39 - 41.91	ANDESITE LAPILLI TUFF: (AIE) Buff to grey. Possible lamination alteration envelope to QV.					Q	8	55	3	41.40						70		30								40.39	40.5	1.0	1	.8	tr	<.07		
41.91 - 42.16	TRACHYTE: (Tf) Light pink, fine grained fine dist pyrite					Q	7	20	3	41.65						75		2					2			40.84	41.5	1.0	6	2.3	tr	<.07		
42.16 - 42.50	ANDESITE FLOW BRECCIA (Abx)					Q	15	60	3	41.75			10	1	3			2								41.15	42.5	1.0	2	.6	.5	<.07		
42.50 - 42.75						Q	7	50	3	41.85			4			60	20	20					2			41.91	43.5	1.0	2	1.7	.3	<.07		
42.75 - 43.55						Q	4	60	3	42.08									1				2			41.91	44.5	1.0	2	.8	.8	<.07		
43.55 - 43.96						Q	2	60	3	42.10													2			41.91	45.5	1.0	2	1.4	tr	<.07		
43.96 - 44.40						Q	3	60	2	42.15													2			41.91	46.5	1.0	0	0	tr	<.07		
44.40 - 44.81						Q	2	60	2	42.50									10				1			41.91	47.5	1.0	4	3.1	tr	<.07		
44.81 - 45.18						Q	4	75	3	42.75													1			41.91	48.5	0.5	0	0	tr	<.07		
45.18 - 45.55						Q	10	70	2	43.55													2			41.91	49.0	1.0	2	1.6	tr	<.07		
45.55 - 45.86						Q	8	50	2	43.96													2			41.91	50							
45.86 - 46.16						Q	14	80	3	44.40													3			41.91								
46.16 - 46.61						Q	3	85	3	45.45													5			41.91								
46.61 - 47.06						Q	5	85	3	44.81													5			41.91								
47.06 - 47.51						Q	7	85	2	44.86																41.91								
47.51 - 47.81						Q	3	85	3	45.18																41.91								
47.81 - 48.16						Q	12	70	3	45.65																41.91								
48.16 - 48.61						Q	2	70	2	46.16																41.91								
48.61 - 49.06						Q	8	85	2	47.55																41.91								
49.06 - 49.44						Q	3	40	3	42.61																41.91								
49.44 - 50.00						Q	4	80	3	47.80																41.91								
50.00 - 50.40						Q	10	80	3	47.83																41.91								
50.40 - 50.80						Q	14	80	1	47.60																41.91								
50.80 - 51.20						Q	8	65	2	47.25																41.91								
51.20 - 51.60						Q	8	60	3	47.44																41.91								

Box 8

← shows class cutting of 2° by 3°

NTS. MAP GRID - 92 F/3

KERR ADDISON MINES LTD

PROPERTY TOMMY

HOLE No. 787-1 SHEET No. 3 OF 10

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles			Veins		Graphic-veins		VEIN		%		ASSAY																		
		Contacts	Bedding	Clear/Foliated	Type	Thickness	Angle	Generation	Meters	Size V.G. mm	Thickness	% S.	% Sulph.	Chlorite	Epidote	Quartz	Carbonate	Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	Meters Blocks	EST. Core Rec.	FROM SAMPLE N. TO	Sample Length	No Vn	% Vn	% Sul	Au g/r	Ag ppm	
25.87- -29.40	GRADED ANDESITE TUFF: (Atg) Progressive graded bedding from fg at top to lap tuff at arbitrary base Dark grey green slaked by numerous light calcareous vls (1%) Dissect bedding at top 20°	20			96	5	85	3	27.5				10									27.8	✓	26.3 50377	1.0	0	0	fr	<.07		
UNITS					96	6	55	3	28.4				<1	75		25								✓	27.3 50378	1.0	1	.5	.3	.07	
					96	5	55	3	29.6				2	75		20								✓	27.85 48.3 50379	1.0	1	.6	.5	<.07	
	Five diss py throughout 41% Probably represents settling of debris with rapid deposition of chaotic tuff unit below																							✓	29.3						
29.40 (arbitrary)	ANDESITE LAPILLI TUFF (AIC)				96	2	72	2	29.8				41	45		55	0							✓	29.3 50380	1.0	3	1.5	.5	<.07	
-37.20	Coarse chaotic lapilli tuff - Light green to buff, angular to flattened fragments - Dark green fg matrix w 1% purple vls both in frags and matrix.				96	8	80	3	29.85				2			15	0							✓	30.3 50381	1.0	0	0	.8	<.07	
UNIT 6					96	6	30	3	33.0							5	fr							✓	31.3 50382	1.0	0	0	.8	<.07	
					96	10	55	3	33.75							10	fr							✓	32.3 50383	1.0	1	.6	2.0	<.07	
					96	6	60	3	34.35				41			20								✓	33.3 50384	1.0	1	1.0	fr	<.07	
					96	1	70	2	34.7				fr	30		5	fr							✓	34.3 50385	1.0	3	1.9	.2	.14	
					96	12	90	3	35.1							2	fr							✓	35.3 50386	1.0	0	0	fr	<.07	
					96	6	85	3	38.25				1			20	fr							✓	36.3 50387	1.0	0	0	.3	<.07	
37.20- -38.50	ANDESITE TUFF: (AIC) Dark grey, fine grained bedded (40°) fine diss py.	40																						✓	37.3 50388	1.0	1	.6	fr	<.07	
UNIT 7																								✓	38.3 50389	1.0	0	0	.3	<.07	
38.50- -39.93	ANDESITE LAPILLI TUFF (AIC) Buff to light green matrix, possible alteration halo to vein below. "Feather fracture"												10	1										✓	39.3 50390	1.2	0	15	fr	.41	
UNIT 8																								✓	40.5						
																								✓	50						





METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles			Veins			Graphic-veins				%			%					Meters Blocks	EST. Core Rec.	ASSAY								
		Contacts Bedding	Cleak/Foliat	Faults	Type	Thickness	Angle	Generation	Meters	#V.G.	Size V.G. mm.	ENRICHMENT	Chlorite	Episide	Quartz	Feild	Carbonate	Chalcopyrite	Arsenopy			Pyrrhotite	Pyrite	FROM SAMPLE No. TO	Sample Length	Au oz/1 No Vc.	Au 1 gms/tonne % Ve	Au 2 % Sol	Au 3 %/T	Ag %/T
					Q	3	80	1	50.69					2	73		5						50.44	50						
					C	4	65	2	51.35						10		70	0					✓	50423	1		.3	tr	<.02	
					Q	3	75	3	51.86						75		75	0						51						
					Q	11	80	7	51.92						75		75	2												
					Q	2	80	3	51.94						75		75	4												
					Q	4	81	2	52.17						95		5	0					31.97	424	1		2.0	tr	<.02	
					Q	1	80	3	52.47						60		40	0					✓	52						
					Q	3	80	2	52.62						70	20	1													
					Q	5	75	3	52.82						95		5	0					52.33	425	1		1	tr	<.02	
					Q	10	60	2	57.08						25	23	2	0					✓	53						
					Q	2	80	2	53.28						60	40	1/2	0												
					Q	4	75	2	53.78						50	50	1/2	0												
					Q	8	85	2	53.58						60	40	1/2	0												
					Q	15	80	3	53.85						100		1/2						53.95	427	1		.3	tr	<.02	
					Q	7	85	2	54.00						50	48	2	0												
					Q	2	60	3	54.45						70		1/2	0												
					Q	1	45	2	54.54						70		70	0					✓	55						
					Q	2	80	2	54.60						70	28	2	0												
					Q	4	80	2	54.80						70	28	2	0												
					Q	8	80	2	54.96						45	15	1/2	0												
					Q	9	85	2	55.05						85	10	1/2						55.47	56						
					Q	7	60	3	55.14						70		1/2													
					Q	11	70	3	56.12						98		2													
					Q	5	70	2	56.87						30								✓	57						
					Q	2	45	2	57.80						57		1/4						57.00							
					Q	10	80	2	57.22						30		70													
					Q	2	80	2	57.22						60	20	20													
					Q	7	70	2	57.60						55	35	10						✓	430	1		.2	tr	<.02	
					Q	20	60	2	57.83						80	15	5													
					Q	6	80	3	58.22						70	20	10						58.22	58						
					Q	2	65	2	58.26						95		5													
					Q	7	75	3	58.37						96		3													
					Q	8	75	3	58.30						95		3						✓	431	1		1.5	tr	<.02	
					Q	17	45	2	59.76						70	15	5													
					Q	6	45	2	59.41						70	15	5													
					Q	2	70	7	59.68						70		30						59.74	60						
					Q	5	70	7	59.74						95		1/2						✓	50433	1		1.5	tr	<.02	
					Q	2	70	3	59.79						80		3													
					Q	11	80	2	60.56						55	10	0													
					Q	10	20	2	61.58						40	30	70						61.36	61						





NTS. MAP GRID - 92 F/3

KERR ADDISON MINES LTD

PROPERTY TOMMY

HOLE No. TB7-1 SHEET No. 10 of 10

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles				Veins		Graphic-veins		VAIN		%		%		Meters Blocks	EST. Core Rec.	ASSAY												
		Contacte Bedding	Clear/Foliat	Faults	Type	Thickness	Angle	Generation	Meters	# V.G.	Size V.G. mm.	Thickness	% Si	% S <sub>2</sub> O <sub>3</sub>	Chlorite			Epidote	Quartz	Carbonate	Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	FROM SAMPLE No.	Sample Length	Au oz/t	Au 1	Au 2	Au 3
					%	2	70	2	138.60					50			50					138.89	138	TO						
					%	3	70	3	139.81					55			35	h				139	7227	1		2.1	h	.24		
					%	7	80	3	139.93					75			25					139	7228	1		1.0	h	.14		
					%	2	45	7	140.44					55			45	h	h			140	7229	1		1.4	h	<.07		
					%	12	80	7	140.81					40			60					140	7230	1		1.1	h	1.58		
					%	1	75	7	141.41		4			65			35					141	7231	1		1.1	h	.07		
					%	10	82	7	141.61					60			20		5	15		142	7232	1		0	h	<.07		
					%	7	75	7	142.11					70			30					143	7233	1			h	<.07		
					%	4	70	7	142.47					75			25	h	h			144	7234	1		0	h	<.07		
					%	5	80	7	144.13					85			15	h	h			145	7235	1			h	<.07		
					%	8	80	7	145.02					80			20					146	7236	1		.5	h	<.07		
					%	11	70	7	145.87					50			50		h	10		147	7237	1		3.7	h	.07		
					%	18	85	7	145.87					70			30			15		148	7238	1		.2	h	<.07		
					%	2	70	7	146.94					60			40	h	h			149	7239	1			h	<.07		
					%	1	85	7	148.23					60			40	h				150	7240	1			h	<.07		
					%	8	?	7	148.74					80			20					151	7241	1		0	h	<.07		
					%	9	75	7	149.18					80			20		h	h		152	7242	1		.9	h	<.07		
					%	15	80	7	150.87					50	15		50		h	1		153	7243	1			h	<.07		
					%	4	70	7	150.90					80			20	h	h			154	7244	1		.9	h	<.07		
					%	13	80	7	152.09					80			20					155	7245	1		.9	h	<.07		
					%	12	80	7	153.19					40			60					156	7246	1		1.9	h	<.07		
					%	6	75	7	154.44					75			25	h				157	7247	1		0	h	<.07		
					%	3	85	7	154.77					85			15	h	h			158	7248	1		1.3	.3	<.07		
					%	5	75	7	157.30					60			40					159	7249	1		1.3	h	.14		
					%	2	80	7	158.12					70			30					160	7250	1		.9	h	<.07		
					%	10	75	7	158.15					85			15					161	7251	1		0	h	<.07		
					%	5	85	7	159.89					70			30					162	7252	1		0	h	<.07		
					%	2	70	7	161.40					75			25					163	7253	1			h	<.07		
					%	10	70	7	162.71				10				90					164	7254	1		0	h	<.07		
					%	24	20	7	163.00					80			20					165	7255	1		.5	h	<.07		
					%	15	85	7	163.55					40			60					166	7256	1		.2	h	<.07		
					%	2	75	7	164.20					45			55					167	7257	1		1.5	h	<.07		
					%	7	75	7	164.52					65			35					168	7258	1		0	h	<.07		
					%	10	75	7	165.60				10				90					169	7259	1			h	<.07		
					%	4	85	7	166.37					70			30					170	7260	1		.2	h	<.07		
					%	5	75	7	166.17					75			25	h				171	7261	1		1	h	<.07		
					%	65	10	7	167.80					80			20					172	7262	1		2.5	h	<.07		
					%	11	75	7	168.47					65			35					173	7263	1		.5	h	<.07		
					%	11	75	7	168.77					85			15	h				174	7264	1		1	h	<.07		
					%	11	75	7	EOH					85			15					175	7265	1			h	<.07		
					%	11	75	7	EOH					85			15					176	7266	1			h	<.07		
					%	11	75	7	EOH					85			15					177	7267	1			h	<.07		

005 1 9 h <.07  
 167 006 1 6.5 h <.07  
 168 007 1 2.2 h <.07  
 169 008 .77 0 h <.07

NTS. MAP GRID - 92 F/3

KERR ADDISON MINES LTD

PROPERTY TOMMY

HOLE No. T87-1 SHEET No. 9 OF 10

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles			Veins		Graphic-veins		VEIN		%		%					Meters Blocks	EST. Core Rec.	ASSAY														
		Contacts	Bedding	Clear/Foliated	Faults	Type	Thickness	Angle	Generation	Meters	M.V.G.	Size V.G. mm.	Thickness	% S.	% Sulph.	Chlorite	Epidote			Quartz	MnO <sub>2</sub>	Carbonate	Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	FROM SAMPLE N. TO	Sample Length	Au oz/1	Au 1 gm/tonne %S	Au 2 %S	Au 3 %S	Cu ppm	Ag %T
						Q	55	35	3	117.40							89	10			1		10	tr	117	50490	1		5.7	.1	.48			
						Q	2	80	3	117.75							65				35				117.96	118	491	1		3.9	.1	.21		
						Q	15	80	3	118.09							87				3		3		119	492	1		6.1	.1	.07			
						Q	22	75	3	118.17							85				3		10	1	120									
						Q	15	85	3	118.41							85				15		1		119.33	120	493	1		3.6	.1	1.78		
						Q	14	80	3	119.26							85				15		tr	tr	121	494	1		4.3	.1	.21			
						Q	2	81	3	119.35							60				40		tr	tr	122	494	1							
						Q	2	75	7	119.43							65				35				122	495	1		4.3	.25	.21			
						C	15	80	2	119.54							1				99		tr		123	496	1		3.2	.2	.51			
						Q	8	85	1	119.64							85				15				124	497	1		2.4	.1	<.07			
						Q	20	75	3	119.76							71				5		tr	2	125	498	1		2.5	.1	.14			
						Q	21	85	3	120.12							83				4		3	10	125	499	1							
						Q	15	83	3	120.83							55				10		tr	tr	126	499	1							
						Q	5	74	3	121.80							80				5		tr	12	126	499	1							
						Q	7	80	3	121.90							76				2		tr	tr	127	500	1		0	.1	<.07			
						Q	6	70	3	122.32							57				25		3	10	127	500	1							
						Q	15	85	3	122.74							84				1		7	60	128	500	1							
						Q	22	80	3	122.69							59				30		tr	1	128	500	1							
						Q	16	80	2	123.04							37				55		2	10	128	500	1		4.1	.1	.07			
						Q	2	80	2	123.25							20				80				129	500	1							
						Q	2	70	3	123.39							52				2		tr	5	130	500	1		4.4	.2	<.07			
						Q	3	70	2	123.44							54				12		1	3	130	500	1		1.5	.1	<.07			
						Q	5	70	3	124.44							52				10		tr		131	500	1		.3	.1	<.07			
						Q	2	80	3	124.49							60				40				132	500	1							
						Q	14	80	1	124.70							60				40		tr		132	500	1							
						Q	25	80	3	125.03							78				10		2	10	127.23	500	1		.3	.1	<.07			
						Q	5	92	3	128.07							75				tr		tr		125.58	500	1							
						Q	12	90	3	128.07							89				1		tr	10	126.49	500	1		2.1	.1	.90			
						Q	4	75	3	128.11							50				40		tr	10	128.02	500	1							
						Q	5	85	3	128.15							65				15				128.43	500	1							
						Q	15	85	3	128.81							55				5		tr	10	128.44	500	1							
						Q	44	65	3	129.88							45				35			7	13	500	1							
						Q	2	65	7	130.05							55				75				136.22	500	1							
						Q	17	80	7	130.54							85				15				137.20	500	1	2.25						
						Q	1	80	7	131.61							60				40				136.25	500	1							
						Q	3	75	3	132.81							55				45				137.00	500	1							
						Q	15	75	3	133.03							82				3		tr	15	137.16	500	1							
						Q	6	80	7	133.07							60				tr				137.25	500	1		.75					
						Q	10	75	7	138.46							74				tr		1	20	138.7	500	1							
						Q	9	85	3	138.45							68				5		2	25	138	500	1							







NTS. MAP GRID - 92 F/3

KERR ADDISON MINES LTD

PROPERTY TOMMY

HOLE No. 187-2 SHEET No. 4 OF 7

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles			Veins		Graphic-veins		%			Meters Blocks	EST. Core Rec.	ASSAY									
		Contact Bedding Cleav./Foliat Faults	Type Thickness Angle Generation	Meters D.V.S. Size V.C.mm.		Chlorite Epidote Quartz	Carbonate	Chalcopyrite Arsenopy Pyrrhotite Pyrite	FROM SAMPLE N. TO	Sample Length	No. Vn			Z Vn	% Sulph.	Au g/t	Ag g/t						
81.6 - 95.5	<u>LITHO LOG</u> ← → <u>SAMPLE LOG</u> <u>ANDESITE FLOW BRECCIA:</u> (Abx) Primary breccia as above mod to strong chloritization  Shaded sections: 81.6-82.7 @ 0 to 20° Hydr chlorite soft 85.9-88.3 @ 0 to 10° chloritized, epidotized Moderate 3° RV @ 30 to 60° 4cm RV @ 82.5 with no sp  Lower contact 35°													82.60	82	091	1	5	5.6	.2	.14		
UNIT 8														83.27	83	092	2	1	.3	.1	<.07		
														85.9	84	093	7	0	0	.1	<.07		
														85.9	85	094	2	3	1.4	.1	<.07		
														87.02	86	095	1	0	0	.1	<.07		
														88.07	87	096	1	1	1.0	.1	<.07		
														88.85	88	097	1	4	2.1	.2	.31		
														90.37	89	098	1	1	.5	.1	<.07		
														90.37	90	099	1	2	1.1	.1	<.07		
														92.66	91	100	1	2	.4	.1	<.07		
														94.18	92	101	1	0	0	.1	<.07		
														95.40	93	102	1	1	.2	.1	<.07		
														95.86	94	103	1	0	0	.1	<.07		
95.5 - 109.6	<u>FELDSPAR PORPHYRY DYKES:</u> (Fdy) - fine to med grained - med grey to buff - patches of light green (epidotized) 96.5-97.1 106.8-107.8 - wall fine: healed with early calc vns - Mod 3° RV @ 60° good Cpy/Pa in these  Core broken to 98.8 otherwise good.  Lower contact RV @ 35°													97.83	95	104	1	0	0	.1	<.07		
UNIT 9														98.15	96	105	1	2	1.6	.1	<.07		
														99.67	97	106	1	7	3.2	.1	<.07		
														101.50	98	107	1	3	3.6	.1	<.07		
														102.78	99	108	1	4	1.8	.1	<.07		
														105.61	100	109	1	5	4.6	.1	<.07		
														106.3	101	110	1	4	4.0	.2	.07		
														108.20	102	111	1	3	2.7	.4	<.07		
														108.23	103	112	1	2	1.3	.1	.07		
															104	113	1	2	3.2	.1	<.07		
															105	114	1	2	.8	.1	<.07		
															106	115	1	2	1.2	.65	<.07		
															107	116	1	5	2.6	.2	<.07		
															108	117	1	7	3.3	.2	<.07		
															109	103118	1	2	3.3	.1	<.07		
															110			0	0				



NTS. MAP GRID - 92 F/3

KERR ADDISON MINES LTD

PROPERTY TOMMY

HOLE No. 187-2 SHEET No. 5 OF 7

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles			Veins		Graphic-veins			% Chlorite Epide Quartz			% Carbonate Chalcoprite Arsenopy Pyrrhotite Pyrite			Meters Blocks	EST. Core Rec.	ASSAY														
		Contact bedding	Clear/Fallie	Fault	Type	Thickness	Angle	Concretion	Meters	S.V.S.	Size V.S.M.M.	Chlorite	Epide	Quartz	Carbonate			Chalcoprite	Arsenopy	Pyrrhotite	Pyrite	FROM SAMPLE N. TO	Sample Length	No.Vn	Z Vn	% Sulph.	Au g/T	Ag g/T				
109.6 - 115.1	LITHO LOG ANDESITE FLOW BRECCIA: (Abx) as above peruvicite chloritization																	Box 22	110.69	110	119	1	0	0	.1							
UNIT 10	Broken core Lower contact indistinct																	111	111	103	120	1	4	.8	.1							
115.1 - 125.4	FELDSPAR PORPHYRY DYKES (Fdy) fine to med grained med grey well fric, healed mod 3° & V development																	112.33	113	121	1	1	1.0	.1								
UNIT 11	124-124.3 1/2 green 3/16 patch Lower contact 30° @ 20°																	114.91	114	122	1	2	.9	.1								
125.4 - 142.6	ANDESITE FLOW BRECCIA (Abx) as above sheared broken core: 125.4-126.3 sh @ 10° moderate 3° @ V with Cpy/Po																	116.1	115	123	1	4	1.5	.1								
	Lower contact 30°																	117.56	116	124	1	4	1.2	.1								
																		117.72	117	125	1	3	6.0	.1								
																		117.85	118	126	1	1	.2	.2								
																		118.41	119	127	1	2	.5	.1								
																		119.18	120	128	1	1	.2	.1								
																		120.07	121	129	1	4	1.4	.3								
																		121.31	122	103	130	1	2	1.8	.3							
																		122.07	123	131	1	2	.5	.1								
																		124.07	124	132	1	1	.6	.1								
																		125.43	125	133	1	1	.4	.1								
																		126.19	126	134	1	1	.2	.1								
																		128.02	127	135	1	1	1.5	.1								
																		129.89	128	136	1	1	.3	.1								
																		130.91	129	137	1	4	2.9	.1		.65						
																		132.44	130	138	1	2	1.4	.4								
																		133.20	131	139	1	2	1.4	.3		.14						
																		135.67	132	103	141	1	2	1.6	.2							
																		137.46	133	141	1	0	0.	.1								
																		140.51	134	142	1	2	1.1	.45								
																		141.6	135	143	1	3	3.5	.2		.17						
																			136	144	1	2	1.5	.1								
																			137	145	1	3	1.6	.1		.21						
																			138	146	1	1	1.9	.2								
																			139	147	1	1	.5	.1		.24						
																			140	148	1	1	.6	.1		.07						
																			141	103	149	1	2	1.5	.1							

METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles		Veins		Graphic-veins		%			Meters Blocks	EST. Core Rec.	ASSAY							
		Contacts Bedding Cleat/Foliat Folds		Type Thickness Angle Generation	Meters H.V.S. Size V.S. mm.			Chlorite Epidote Quartz	Carbonate	Chalcopyrite Arsenopy Pyrrhotite Pyrite			FROM SAMPLE N. TO	Sample Length	No. Vn	Z Vn	% Sulph.	Au g/t	Ag g/t	
142.6 - -165.0	LITHO LOG ANDRESITE fine grained: (Af) dark grey green, fgy hard siliceous st chloritized - Early crackle by healed heat Qtz vein stockwork - Silidely spaced 3° QU with Gpy and Pb  Qtz, Ksp, etc. patches: 145.4 - 145.6 150.4 - 150.6 157.7 - 157.9  Lower contact lost												141 107150	1	1	1.0	.2	<.07		
UNIT 13													142 143	1	0	0	.1	<.07		
													144 145	1	1	.3	.1	.07		
													146 147	1	2	4.0	.1	.07		
													148 149	1	1	1.3	.1	<.07		
													150 151	1	1	2.0	.1	<.07		
													152 153	1	0	0	.1	<.07		
													154 155	1	2	1.2	.1	.07		
													156 157	1	0	0	.1	<.07		
													158 159	1	2	1.2	.1	.07		
													160 161	1	0	0	.1	<.07		
													162 163	1	1	.6	.1	.07		
													164 165	1	0	0	.1	<.07		
													166 167	1	0	0	.1	<.07		
													168 169	1	1	.2	.2	<.07		
													170 171	1	1	.6	.1	<.07		
													172 173	1	1	1.7	.1	<.07		
													174 175	1	0	0	.1	<.07		
													176 177	1	0	0	.1	<.07		
													178 179	1	1	.7	.1	<.07		
													180 181	1	1	.3	.1	<.07		
													182 183	1	0	0	.1	<.07		
													184 185	1	0	0	.1	.07		
													186 187	1	0	0	.1	<.07		
													188 189	1	0	0	.1	<.07		
													190 191	1	0	0	.1	<.07		
165.0 - 166.2	FAULT ZONE (Fik) muddy, lost core												192 193	1	0	0	.2	.07		
UNIT 14													194 195	2	0	0	0	<.07		
166.2 - -172.55	FELDSPAR PORPHYRY DYKE: fgy, noncalcareous, gxy (Fdy) f-mg, some 3° QU w Gpy/Pb Qu 7mm 3° QU along core Lower contact showed @ 50°												196 197	1	1	1.1	.1	.07		
UNIT 15													198 199	1	1	.2	.1	<.07		
													200 201	1	3	7.4	.2	<.07		
													202	1	0	0	.25	<.07		



KERR ADDISON MINES LIMITED

N.T.S. MAP GRID: 92F/3 DEPTH: 0 DIP: -30 AZ: 130.44 LENGTH: 31.7 HOLE No.: T87-3  
 LOCATION: 0 ELEVATION: 75.03 PROPERTY: TOMMY SHEET No. 1 of 1  
 DATE COLLARED: JULY 27 NORTHING: 8816.89 CORE SIZE: NQ LOGGED BY: RP  
 DATE COMPLETED: JULY 31 EASTING: 4901.02 SCALE OF LOG: \_\_\_\_\_ DATE: \_\_\_\_\_

Metres From - To	Rock Type and Textures Colour, Alteration	ANGLES		VEINS		Graphic-veins		%			Meter Blocks	Est. core rec.	ASSAY					
		Contacts Bedding Cleav./Foliat. Faults		Type Thickness Angle Generation		Metres S.V. G. Size V.G. mm	VEIN ENCLAVES Thickness % Si % Sp/pt	Chalcopyrite Epidote Garnet	Carbonate	Chalcopyrite Arenopyrite Pyrrhotite Pyrite			FROM SAMPLE No. TO	Sample Length	No Va	% Va	% Si	Au g/t
LITHO LOG ← → SAMPLE LOG																		
0-27.0	OVERBURDEN: (OB) Large andesite boulders (fine grained and amygdaloidal) Gravel, clay CASING TO 45 FT (13.7m)																	
27.0- 31.7	ANDESITE, FINE GRAINED: (Af) grey green Tuffaceous matrix Qtz calc, v. v. v. and patches Si chloritized  2cm vein @ 29.7 Qtz, calc, chlor 3° Calcite patch 30.0-30.2												21.95					
													23.13	No Samples				
													29.57					
													30.02	95%				
	Hole stopped at 31.7 due to sandy overburden.												31.7	ECH				







METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles				Veins				Graphic-veins				%				Meters Blocks	EST. Core Rec.	ASSAY									
		Contacts	Bedding	Clear/Foliat	Faults	Type	Thickness	Angle	Generation	Mezors	M.V.S.	Size Y.S. mm.	Charite	Epidote	Quartz	Carbonate	Chalcopyrite			Arsenopy	Pyrrhotite	Pyrite	FROM SAMPLE No. TO	Sample Length	No. Vn	% Vn	% Sulph.	Au g/T	Ag g/T
33.5 - - 38.0	LITHO LOG FELDSPAR PORPHYRY DYKE																												
UNIT 7	(Fdy) 10-15% green epidote feldspar (2-4mm) in med grey sl chloritized fs matrix.					Q	50															361							
						Q	60															3581	240	1	2	2.2	.2	<.07	
						Q	45															37	241	1	1	.9	.1	<.07	
						Q	50															38	242	1	3	1.7	.1	<.07	
						Q	70															38.86	39	243	1	1	1.7	.1	<.07
38.0 - - 40.2	ANDESITE LADILLI TUFF:					Q	70															40	244	1	0	0	.1	<.07	
UNIT 8	(Alt) Dark grey green moderate chloritization epidotized feldspar Xlt foliated at 20 to 30°					Q	55															41	245	1	3	.9	.1	<.07	
																						41.65	42	246	1	0	0	.1	.07
																						95	43	247	1	0	0	0	<.07
																						44	248	1	0	0	.1	1.78	
																						44.20	45	249	1	4	1.9	.2	<.07
																						46	250	1	0	0	.1	.07	
																						46.63	47	103251	1	0	0	.1	<.07
40.2 - - 42.5	FELDSPAR PORPHYRY DYKE:																												
UNIT 9	(Fdy) Dark grey green In part fs green porphyritic Massive Epidotized fold planes sl chloritized																												
42.5 - - 46.6	ANDESITE TUFF:																												
UNIT 10	(Pt) Light grey green Flow foliated at 35° Crackle lx, healed Some top of lx frays Moderately hard sl chloritized																												

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles			Veins			Graphic-veins			%			Meters Blocks	EST. Core Rec.	ASSAY :-												
		Concrete Bedding	Clear/Fault	Faults	Type	Thickness	Angle	Generation	Meters	M.V.S.	Size V.G. mm.	Chalcopyrite	Episiderite			Quartz	Carbonate	Chalcopyrite	Arsenopyrite	Pyrrhotite	Pyrite	FROM SAMPLE NO. TO	Sample Length	No. Vn	Z Vn	% Sulph.	Au g/t	Ag g/t
46.6 - 48.4	LITHO LOG FELDSPAR PORPHYRY DYKE: (Fdy) Light grey Coarse (2.5 mm) fresh white feldspar in grey siliceous matrix Distinct from Fdy units above (in color, texture and lack of alteration)				%	60														47	107	252	1	4	4.7	.1	<.07	
UNIT 11					%	75													48	257	1	0	0	.1	<.07			
					%	40													50	254	1	0	0	.1	<.07			
					%	80													51	255	1	2	4.6	0	<.07			
					%	60													52	256	1	0	0	0	<.07			
					%	45													53	257	1	1	.2	.1	<.07			
					%	20													54	258	1	1	.3	.1	<.07			
					%	70													55	259	1	2	7.3	.2	<.07			
					%	50													56	260	1	0	0	.1	<.07			
					%	45													57	261	1	1	1.2	.1	.55			
48.4 - 77.0	ANDESITE, FINE GRAINED: (AF) Dark grey green Strong early fac and shearing local with white qtz/calc Scattered 3° DV Moderate pyroxene chln 54.2-54.9 Broken strand core @ 40°				%	45													58	262	1	2	1.6	.1	<.07			
UNIT 12					%	75													59	263	1	2	2.3	.1	<.07			
					%	40													60	264	1	1	1.1	.1	<.07			
					%	20													61	265	1	1	7.0	0	.07			
					%	75													62	266	1	1	5.7	.1	.07			
					%	35													63	267	1	2	9.5	.1	<.07			
					%	70													64	268	1	0	0	.1	.07			
					%	40													65	269	1	0	0	.1	.34			
					%	30													66	270	1	1	3.4	.1	<.07			
					%	40													67	271	1	0	0	.1	<.07			
					%	30													68	272	1	2	2.7	.1	<.07			
					%	60													69	273	1	1	1.1	.2	<.07			
					%	45													70	274	1	0	0	.1	<.07			
					%	40													71	275	1	0	0	.1	.07			
					%	45													72	276	1	0	0	.1	<.07			
					%	40													73	277	1	3	2.9	.1	<.07			
					%	45													74	278	1	0	0	.1	.55			
					%	40													75	279	1	1	1.9	.1	<.07			
					%	45													76	280	1	1	1.5	.1	.34			
					%	45													77	281	1	1	1.1	.1	.14			

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles				Veins		Graphic-veins		%					Meters Blocks	EST. Core Rec.	ASSAY													
		Contacts	Bedding	Clear/Foliated	Faults	Type	Thickness	Graphic-veins	Metres	M.V.S.	Size V.S. mm	Chlorite	Epidote	Quartz			Sphalerite	Carbonate	Chalcopyrite	Arenosopy	Pyrrhotite	Pyrite	FROM SAMPLE N. TO	Sample Length	No. Vn	Z Vn	% Sulph.	Au g/t	Ag g/t	
77.0 - 84.8	LITHO LOG FELDSPAR PORPHYRY DYKE: (Fdy) Slightly porphyritic felsic dyke light grey, massive fresh 6 and 3° @ V with Po & Cpy-blotched kodes, 1-2 cm Lava contact 25°					%	60														77.72	77								
UNIT 13						%	60														77.72	78	1	5	2.6	.1	.14			
						Q	20															80.77	79	1	3	.8	.75	<.07		
						Q	75							2								80.77	80	1	1	5.3	1.0	.41		
						Q	55															80.77	81	1	2	1.7	1.5	<.07		
						%	60															80.77	82	1	4	5.6	1.0	<.07		
						Q	65															80.77	83	1	2	.5	.2	<.07		
						Q	85															83.82	84	1	7	7.9	.2	<.07		
84.8 - 86.7	FELDSPAR PORPHYRY DYKE (Fdy-2) Light grey felsic coarsely porphyritic dyke Crystalline white feld phenocr to 6 cm Silicified and blotched along late fiss Similar to UNIT 11 Lava contact at 30°	25				%	65														83.82	85	1	4	4.0	.5	.62			
						Q	65															86.97	86	1	3	1.1	.1	.07		
						%	65															86.97	87	1	1	.3	.1	<.07		
						%	60															86.97	88	1	3	1.4	.1	<.07		
						%	60															86.97	89	1	1	.7	.1	<.07		
						%	60															86.97	90	1	2	1.0	.1	<.07		
						%	50															86.97	91	1	6	7.6	.1	<.07		
						%	75															86.97	92	1	1	1.7	.1	<.07		
						Q	45															86.97	93	1	1	5.2	.1	<.07		
						%	15															86.97	94	1	2	8.6	.2	<.07		
86.7 - 92.7	FELDSPAR PORPHYRY DYKE (Fdy) Some lithology as unit 13 Lava contact @ 45°	30				%	40														86.97	95	1	0	0	.1	<.07			
						Q	55															86.97	96	1	1	.8	.1	<.07		
						%	35															86.97	97	1	1	1.6	.1	<.07		
																						86.97	98	1	2	2.8	.1	<.07		
92.7 - 98.9	ANDESITE; FINE GRAINED: Expansive to 10 cm to 10 cm (Fdy) Mixed bag of deformed andesite rocks similar to unit 12 Much early frac of 5-6 % healed same but frag Epidote patches Some very good @ V w Po, Cpy Lava contact @ 55°	45																			86.97	99	1	1	1.0	.1	<.07			
																						86.97	100	1						















KERR ADDISON MINES LIMITED

N.T.S. MAP GRID: 92F/3  
 LOCATION: \_\_\_\_\_  
 DATE COLLARED: AUG 09/87  
 DATE COMPLETED: AUG 20/87

DEPTH: 0  
 DIP: 23°  
 AZ: 128°  
 LENGTH: 273.41  
 ELEVATION: 20 m  
 NORTHING: 9198  
 EASTING: 4924

PROPERTY: TOMMY  
 CORE SIZE: NO  
 SCALE OF LOG: \_\_\_\_\_

HOLE No.: T87-5  
 SHEET No. 1 of 10  
 LOGGED BY: KS  
 DATE: AUG 10

Metres From - To	Rock Type and Textures Colour, Alteration	ANGLES			VEINS		Graphic-veins		%		Metre Blects	Est. core rec.	ASSAY																
		Contact Bedding Cleav./Foliat. Faults	Type Thickness Angle	Metres Generation	Metres S.V.G. Size V.G.mm	Thinness Sp. Sp. Sp. Sp.	Chlorite Epidote Quarts	Carbonate Chalcopyrite Arsenopyrite Pyrrhotite Pyrite	FROM SAMPLE No. TO	Sample Length			No Vn	% Vn	% S1	Au g/t	Ag g/t												
<b>LITHO LOG ← → SAMPLE LOG</b>																													
0.0 - 4.0	ANDESITE FLOW BRECCIA (Abx) - dark grey green possible chloritization & silicification v. little veining or healed fracturing - quite broken up - oxidat <sup>n</sup> of sulphides		% 70 % 55 % 60 % 60										0	0	431	1	0	0	.1	<.07									
UNIT 1													2.74	1	432	1	0	0	.1	<.07									
													4.27	2	433	1	0	0	.1	<.07									
													5.9	3	434	1	1	.5	.1	<.07									
													6.71	4	435	1	6	2.9	.75	<.07									
													8.69	5	436	1	3	1.1	1.0	<.07									
4.0 - 9.1	FELDSPAR PORPHYRY DYKE (Fdy) light grey, green massive (fresh) phenocrysts - fairly sparse in places good development of 30 veining (minor pb, cp) - contains minor dissemin. pb <.5% sharp lower contact at 11		% 55 % 60 % 50 % 45										11.5	6	437	1	4	1.5	.1	<.07									
UNIT 2													12.80	7	438	1	4	5.2	1.0	<.07									
													13.80	8	439	1	3	.9	.5	<.07									
													15.85	9	440	1	2	.8	.1	<.07									
													16.8	10	441	1	1	.5	.1	<.07									
													18.20	11	442	1	0	0	.1	<.07									
													21.55	12	443	1	0	0	0	<.07									
													22.5	13	444	1	0	0	.1	<.07									
													24.65	14	445	1	0	0	.1	<.07									
													27	15	446	1	6	0	.1	<.07									
													28	16	447	1	1	.4	.1	<.07									
													29	17	448	1	0	0	.1	<.07									
													30	18	449	1	0	0	.1	<.07									
9.1 - 27.2	ANDESITE FLOW BRECCIA (Abx) - As for UNIT 1 - slightly more healed fracturing w/ moderately silicified & chloritized 19.4m - shoring @ 10°		% 65 % 65 % 35 % 55										31	19	450	1	0	0	.1	<.07									
UNIT 3													32	20	451	1	3	1.9	.1	<.07									
													33	21	452	1	0	0	.1	<.07									
													34	22	453	1	1	1.5	.1	<.07									
													35	23	454	1	0	0	.1	<.07									
													36	24	455	1	0	0	.1	<.07									
													37	25	456	1	1	.9	.1	<.07									
													38	26	457	1	1	2.3	.1	<.07									





METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles			Veins		Graphic-veins		%					Meters Blasts	EST. Core Rec.	ASSAY										
		Contacts Bedding Cleat/Foliation Faults	Type Thickness Angle Generation	Meters # V.G. Size V.G. mm.			Chlorite Epidote Quartz	Spinel Carbonate	Chalcopyrite Arsenopy Pyrrhotite Pyrite	FROM SAMPLE N. TO	Sample Length	No. Vn	Z Vn			% Sulph.	Au g/t	Ag g/t								
	LITHO LOG ← → SAMPLE LOG																									
90.8 - 92.8 UNIT 8	FELDSPAR PORPHYRY DYKE (Fdy) massive dark grey green matrix with fresh white phenocrysts < 2mm.		PC	55											70											
			PC	55											71	102501	1	0	0	.1	<.02					
			PC	55											72	502	1	2	2.1	.1	<.02					
			PC	55											73	503	1	0	0	.1	<.02					
			PC	55											74	504	1	1	1.2	.1	<.02					
			PC	55											75	505	1	0	0	.1	<.02					
			PC	55											76	506	1	2	.6	.1	<.02					
92.0 - 115.7 UNIT 9	ANDESITE FLOW BRECCIA (Abx) colour ranges from light green to dark grey green the lighter coloured clasts are softer (less silicified) predominantly silicified & chloritized patches epidotized tends to mainly affect the matrix moderate fracturing holed w/ O <sub>2</sub> -CO <sub>2</sub> seal 3° dv. Fault (+ fault gouge) at 97.15m @ 25°		PC	65											77	507	1	1	.3	.1	<.02					
			PC	40											78	508	1	0	0	.1	<.02					
			PC	55											79	509	1	1	3.3	.1	<.02					
			PC	75											80	510	1	1	1.5	.2	<.02					
			PC	50											81	511	1	0	0	.1	<.02					
			PC	75											82	512	1	0	0	.1	<.02					
			PC	50											83	513	1	1	.5	.1	<.02					
			PC	50											84	514	1	1	.3	.1	<.02					
			PC	70											85	515	1	1	.8	.1	<.02					
			PC	50											86	516	1	0	0	.1	<.02					
			PC	60											87	517	1	1	.5	.1	<.02					
			PC	95											88	518	1	2	1.2	.1	<.02					
			PC	55											89	519	1	0	0	.1	<.02					
			PC	40											90	520	1	2	1.0	.1	<.02					
			PC	80											91	521	1	1	.3	.1	<.02					
			PC	80											92	522	1	5	5.5	.2	<.02					
			PC	80											93	523	1	1	.3	.5	<.02					
			PC	80											94	524	1	0	0	.1	<.02					
			PC	80											95	525	1	0	0	.1	<.02					
			PC	80											96	526	1	0	0	.1	<.02					
			PC	80											97	527	1	2	.6	.1	<.02					
			PC	80											98	528	1	1	1.0	.1	<.02					
			PC	80											99	529	1	1	.4	.1	<.02					
			PC	80											100	530	1	0	0	.1	<.02					

















NTS. MAP GRID - 92 F/3

KERR ADDISON MINES LTD

PROPERTY TOMMY

HOLE No. TST-6 SHEET No. 1 of 4

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles			Veins		Graphic-veins		%			Meters Blocks	EST. CORE REC.	ASSAY													
		Contacte	Bedding	Clines/Foliat	Type	Thicknes	Generat	Meters	#V.S.	Size V.S.m.	Chlorite			Epider	Glum-f.	Carbonate	Chalcoprite	Arsenopy	Pyrrhotite	Pyrite	FROM SAMPLE N. TO	Sample Length	No.Vn	Z Vn	% Sulph	Au g/T	Ag g/T
	LITHO LOG																										
0.0 - 11.3	CRYSTALLINE LAPILLI TUFF																										
UNIT 1	(Xlt) lighter grey green to darker grey green.																										
	This unit is quite altered																										
	perovskite chlorite & silicified minor patches of epidote				C	10																					
	high % of microfossils based w/ CO <sub>2</sub> shearing common @ 50-60°																										
	low clast:matrix ratio																										
	the matrix is composed of fine grained material as well as a high % of Espar crystals																										
	chests large in colour from dark green to buff/pink																										
	scattered 3° DV (pp.cpy) minor dissem. pyrite																										
11.3 - 13.3	FELDSPAR PORPHYRY DYKE																										
UNIT 2	(Edy) Dark green matrix w/ light colored phenocrysts - coarse -																										
	minor 3° DV - contains dissem pyrite																										

FROM SAMPLE N. TO	Sample Length	No.Vn	Z Vn	% Sulph	Au g/T	Ag g/T
0						
70	1	0	0	.1		
2.13	2	1	0	0		
90	3	1	0	0	.1	
3.66	4	1	0	0	.5	
2.80	5	1	0	0	.5	
4.32	6	1	1	.4	.2	
6.40	7	1	0	0	.25	
7.97	8	1	0	0	.15	
2.59	9	1	0	0	.25	
9.14	10	1	0	0	.25	
10.66	11	1	2	.6	.1	
16.28	12	1	0	0	.1	
85	13	1	0	0	.1	
12.50						

NTS. MAP GRID - 92 F/3

KERR ADDISON MINES LTD

PROPERTY TOMMY

HOLE No. T87-6 SHEET No. 2 OF

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles			Veins		Graphic-veins		% Chlorite Epidote Quartz Spinel Carbonate					% Chalcopyrite Arsenopy Pyrrhotite Pyrite					Meters Blocks	EST. Core Rec.	ASSAY					
		Contacts Bedding Cleav/Foliation Faults	Type Thickness Angle	Generation	Meters # V.G. Size V.G. mm.	Chlorite Epidote Quartz Spinel Carbonate	Chalcopyrite Arsenopy Pyrrhotite Pyrite	FROM SAMPLE N. TO	Sample Length	No. Vn	Z Vn	% Sulph.	Au g/t	Ag												
13.3 - 17.8 UNIT 3	LITHO LOG Crystalline lepilli Tuff (Xlt) - pervasive silicificat <sup>n</sup> - patchy epidotizat <sup>n</sup> - light grey green clasts are mainly pink/buff lots of amygdaloidal clasts - flow tops?	SAMPLE LOG		25											Box 3	1326	13	101704	1	2	7.3	.1	<.07			
																14.24	14		1	0	0	.1				
																14.34	15		1	0	0	.1				
																15.34	16		1	0	0	.1				
																	12		1	0	0	.1				
																17.18	18		1	0	0	.1				
																17.23	19		2	1	.3	.1				
																75	20		2	1	.3	.1				
																20.11	21		1	2	1.3	.1				
																21.30	22		1	3	.7	.1				
17.8 - 33.2 UNIT 4	FELDSPAR PORPHYRY DYKE (Fdy) light grey green matrix Fspdr / Hornblende phenocr. Fspdr phenocrysts - very minor epidotizat <sup>n</sup> HCl phenocr = slight chloritizat <sup>n</sup> core quite broken up good 3° or development (spinel, pp. cpy) minor. dissem. pyrite			70											22.7	22	102705	1	4	4.2	.1	<.07				
																23		1	3	.8	.1					
																24.38	24		1	1	.5	.1				
																25.29	25		1	1	.4	.1				
																26.21	26	706	1	4	4.1	.2	<.07			
																	27		1	2	1.3	.1				
																28.04	28	707	1	10	7.0	.1	<.07			
																30.48	29	708	1	3	3.5	.1	<.07			
																	31	709	1	7	4.8	.1	<.07			
																32	710	1	9	4.6	.2	.07				
33.2 - 42.4 UNIT 5	FELSIC DYKE (Fcl) buff → light grey green → dark grey green dissem. pyrite < 1% buff coloured chilled margins ~ 30cm - dyke coarsens towards middle - crystals are equigranular - pervasive chloritizat <sup>n</sup> minor epidotizat <sup>n</sup> virtually no karst features but broken core Fspdr alteration? → very calcareous fizzes w/ HCl			75											33.52	32		1	1	.3	.1					
																34.74	33		1	1	.2	.1				
																36.24	34	712	1	3	2.3	.2	<.07			
																37		1	3	.9	.1					
																38.70	35		1	0	0	.1				
																39.7	36		1	3	.9	.1				
																40.23	37		1	3	.9	.1				
																41.45	38	713	1	2	9.3	.1	<.07			
																42.37	39	714	1	1	.7	.1				
																42.37	40		1	2	2 <sup>+</sup>	broken up .1	<.07			







NTS, MAP GRID - 92 F/3

KERR ADDISON MINES LTD

PROPERTY TOMMY

HOLE No. T87-6 SHEET No. 5 OF

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles			Veins		Graphic-veins		%					Meters Blocks	EST. Core Rec.	ASSAY													
		Contacts	Bedding	Clear/Foliat	Type	Thickness	Angle	Generation	Meters	# V.G.	Size V.G. mm.	Chlorite	Epidote			Quartz	Sph	Carbonate	Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	FROM SAMPLE N. TO	Sample Length	No. Vn	Z Vn	% Sulph.	Au g/t	Ag g/t
	LITHO LOG ← → SAMPLE LOG																												
	Xlt cont'd				PC	30															105.3	105	1	2	.4	.1			
					PC	80															106.38	106	1	3	1.6	.5			
					PC	65															107	107	1	5	3.0	.3	<.07		
					PC	85															108	108	1	2	.6	.1			
					Q	75															110.03	109	1	0	0	3.0	<.07		
					PC	70															111	110	1	2	1.1	.1			
					PC	60															113.08	111	1	0	0	.1			
					PC	90															114	112	1	1	.2	.1			
					PC	80															115	113	1	1	.4	.2			
					PC	85															116.12	114	1	1	.2	.1			
					PC	90															117	115	1	0	0	.1			
					PC	80															118	116	1	0	0	.1			
					PC	85															119.17	117	1	1	.7	.1			
					PC	90															121	118	1	0	0	.1			
					PC	85															122.2	119	1	1	.6	.1			
					PC	40															123	120	1	2	.4	.1			
					PC	80															124	121	1	2	1.2	.1			
					PC	80															125.27	122	1	4	.9	.1			
					PC	85															126	123	1	0	0	.1			
					PC	90															127	124	1	0	0	.1			
					PC	85															128	125	1	2	.9	.1			
					PC	90															129.23	126	1	1	.5	.1			
					PC	80															130	127	1	0	0	.1			
					PC	80															131	128	1	0	0	.1			
					PC	85															132.28	129	1	3	1.8	.1			
					PC	85															133	130	1	0	0	.1			
					PC	85															134	131	1	1	1.0	.1			
					PC	85															135	132	1	0	0	.1			
					PC	85															136	133	1	1	.9	.1			
																					137	134	1	1	.9	.1			

Q 70

+

23

137

1 2 1.3 1









METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles		Veins		Graphic-veins		%						Meters Blocks	EST. Core Rec.	ASSAY												
		Contract Bedding	Cleat/Foliat Faults	Type	Thickness	Angle	Meters	# V.G.	Size V.G. mm.	Chlorite	Epidote	Quartz	Carbonate			Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	FROM SAMPLE N. TO	Sample Length	No. Vn	Z Vn	% Sulp.	Au g/T	Ag g/T		
																											LITHO LOG ←	
223.8 - 227.0	ANDESITE LAPILLI TUFF (Alt) Dark grey green first 5m grey purple. pervasively chloritized minor lepidotized moderate healed fracturing			90	40													20	223									
UNIT 14				90	75								2				2	224	1	1	.2	.1						
				90	90												4	225	1	2	1.1	.1						
				90	90							4				4	226	1	1	.6	.1							
				45	45											4	227	1	2	1.2	.1							
				80	80											4	228	1	1	.2	.1							
227.0 - 231.0	ANDESITE TUFF (Alt) Dark grey green pervasively chloritized slightly crystalline in places			90	90													229	1	2	1.4	.1						
UNIT 15				90	90												4	230	1	0	0	0						
				85	85												3	231	1	1	.2	.1						
				85	85								2			3	232	1	3	2.0	.1	<.01						
				85	85												3	233	1	1	.2	.1						
				85	85												3	234	1	1	.3	.1						
				85	85												3	235	1	3	1.0	.5						
				85	85												3	236	1	0	0	.1						
227.8 - 228.1 7 Fdy - 7 229.0 - 229.3 5				85	85												3	237	1	0	0	.1						
231.0 - 242.0	FELDSPAR PORPHYRY DYKE (Fdy) mainly dark grey green but variable in colour some areas have a higher concentration of phenocrysts than others. - patchy epidotized - pervasive chloritized - moderate silicified - patches of bright red jasper present. - few 3° P.V. - little fracturing			85	85													238	1	1	.8	.1						
UNIT 16				85	85												4	239	1	0	0	0						
				85	85												4	240	1	0	0	0						
				85	85												4	241	1	0	0	0						
				85	85												4	242	1	1	.6	.1						















METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles				Veins		Graphic-veins		% Chlorite Epidote Quartz			% Carbonate Chalcopyrite Arsenopyrite Pyrrhotite Pyrite			Meters Slices	EST. Core Rec.	ASSAY												
		Concrete Bedding Cleas/Foliat Faults	Type Thickness Angle Generation	Meters M.V.G. Size V.G. mm.									FROM SAMPLE N. TO	Sample Length	No. Vn			Z Vn	% Sulph.	Au g/t	Ag g/t									
	LITHO LOG ← → SAMPLE LOG																													
	Abx cont'd 32.1 - 35.6m - Fault/Alteration Zone					Q	50									Box 7		36	1	2	.8	.1								
	33.2 - 34.9 - fault zone, broken mck, mineralized mudstone. Contains 4m QV w/ minor pyrite.					Q	60									Box 8		37	1	0	0	.1								
	fault zone surrounded by w/ coloured - not too silicified - rock					Q	60									Box 8		38	1	1	1.2	.1								
						Q	35									Box 8		39	1	0	0	.1								
						Q	55									Box 8		40	1	0	0	.1								
						Q	50									Box 8		41	1	2	1.5	.1								
						Q	60									Box 8		42	1	1	1.5	.1								
						Q	50									Box 8		43	1	3	1.1	.1								
						Q	60									Box 9		44	1	1	.3	.1								
						Q	60									Box 9		45	1	2	1.4	.1								
						Q	30									Box 9		46	1	1	.3	.1								
35.7 - 39.1 UNIT 6	ANDESITE: FINE GRAINED (Abx) - dark grey green - pervasive chloritization - minor epidote - good 3° QV development					Q	50									Box 9		47	1	0	0	.1								
						Q	85									Box 9		48	1	4	4.0	.1	<.07							
						Q	70									Box 10		49	1	2	.6	.1								
						Q	65									Box 10		50	1	2	1.7	.1								
						Q	60									Box 10		51	1	0	0	.1								
						Q	60									Box 10		52	1	2	2.8	.1	<.07							
						Q	30									Box 11		53	1	1	.6	.1								
37.1 - - 64.0 UNIT 7	ANDESITE FLOW BRECCIA (Abx) - light green clasts with darker green matrix - matrix is epidotized in areas - pervasively chloritized - mod. silicification					Q	45									Box 11		54	1	1	1.5	.1								
						Q	90									Box 11		55	1	1	1.0	.1								
						Q	55									Box 12		56	1	0	0	.1								
						Q	50									Box 12		57	1	1	.4	.1								
						Q	55									Box 12		58	1	1	.8	.1								
						Q	50									Box 12		59	1	2	1.2	.1								
						Q	55									Box 12		60	1	1	.3	.1								
						Q	50									Box 12		61	1	1	1.0	.1								
						Q	50									Box 12		62	1	2	2.2	.1	.14							
						Q	40									Box 12		63	1	1	1.0	.1								
						Q	40									Box 12		64	1	2	2.2	.1	.14							





















METERS FROM-TO	Rock Type and Textures - Colour, Alteration.	Angles				Veins		Graphic-veins		%			Meters Blocks	EST. Core Rec.	ASSAY											
		Contact Bedding	Clear/Foliation	Faults	Type	Thickness Angle	Concretion	Meters Av. S. Size V.G. mm.	Chlorite	Epidote	Quartz	Carbonate			Chalcopyrite	Arsenopy	Pyrrhotite	Pyrite	FROM SAMPLE N. TO	Sample Length	No. Vn	Z Vn	% Sulph.	Au g/t	Ag g/t	
LITHO LOG ← → SAMPLE LOG																										
29.1 - 43.4 UNIT 3	ANDESITE FLOW BRECCIA (Abx) light grey green → dark grey green.  permissive chloritization minor → moderate fracturing  37.0m - minor skewing @ 30°  scattered 3° CV  lower contact 60				PC	40						tr				32.87	30	1	0	0	.1					
																32.92	31	1	2	1.2	.1					
																32.97	32	1	3	3.6	.1					
																33.4	33	1	0	0	.1					
																33.9	34	1	0	0	.1					
																35.9	35	1	0	0	.1					
																37.0	36	1	0	0	.1					
																39.0	37	1	1	.7	.1					
																39.0	38	1	0	0	.1					
																39.0	39	1	1	2.0	.1					
																39.0	40	1	0	0	.1					
43.4 - 46.1 UNIT 4	FELDSPAR PORPHYRY DYKE (Fdy) light grey green groundmass with light coloured phenocrysts becoming quite corded toward the center mod → highly silicified  good 3° CV development				PC	25										42.06	41	1	0	0	.1					
																44.7	42	1	0	0	.1					
																44.7	43	1	1	.5	.1					
																46.11	44	1	0	0	.1					
																46.11	45	1	1	1.8	.1					
																46.11	46	1	6	2.5	.25					
																46.11	47	1	1	1.7	.2					
																48.15	48	1	1	1.3	.2					
																48.15	49	1	1	1.5	.1					
																50.4	50	1	0	0	.1					
46.1 - 52.7 UNIT 5	ANDESITE FLOW BRECCIA (Abx) light to dark grey green.  little fracturing scattered 3° CV  minor dissolution py, sp				PC	30										51.26	51	1	1	2.5	.1					
																51.26	52	1	0	0	.1					
																51.26	53	1	0	0	.1					
																54.25	54	1	1	.9	.1					
																54.25	55	1	0	0	.1					
																56.0	56	1	1	2.5	.2					
																56.0	57	1	0	0	.1					







NTS. MAP GRID - 92 F/3

KERR ADDISON MINES LTD

PROPERTY TOMMY

HOLE No. TST-8 SHEET No. 5 OF     

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles		Veins		Graphic-veins		%			Meters Blocks	EST. Core Rec.	ASSAY						
		Contacts Bedding Clews/Foliat. Faults	Type Thickness Angle	Generation Meters #V.G. Size V.G.mm.	Chlorite Epidote Glaucif.	Carbonate	%			FROM SAMPLE N. TO			Sample Length	No. Vn	Σ Vn	% Sulph.	Au g/t	Ag g/t	
							Chalcopyrite	Arsenopy	Pyrrhotite										Pyrite
	LITHO LOG ← → SAMPLE LOG																		
	<i>Ab's could</i>																		
			PC 35								18.1		117						
												18.26	118	1	0	0	.1		
													119	1	1	.2	.1		
													120	1	0	0	.1		
			PC 30										121	1	0	0	0		
			PC 50									121.31	122	1	1	.5	0		
													123	1	1	1.7	.1		
			PC 40								13.8		124	1	0	0	.1		
												134.26	125	1	1	2.0	.1	<.07	
			PC 30										126	1	1	.7	.1		
			PC 35										127	1	1	.4	.1		
													128	1	0	0	0		
													129	1	0	0	0		
			PC 40										130	1	1	1.6	0		
												130.45	131	1	0	0	.1		
													132	1	0	0	.1		
			PC 35										133	1	2	3.5	.1	<.07	
												133.50	134	1	0	0	0		
													135	1	0	0	.1		
			PC 45										136	1	0	0	.1		
			PC 30										137	1	2	1.8	.1		
													138	1	1	1.0	.1		
			PC 40										139	1	0	0	.1		
			PC 25										140	1	1	.5	.1		
			PC 40										141	1	1	.5	.1		
			PC 25										142	1	1	2.0	.1	<.07	
													143	1	1	.4	.1		
													144	1	6	0	.1		
													145	1	0	0	.1		
			PC 40								145.1		146	1	0	0	.1		
													147	1	1	1.0	.1		

NTS, MAP GRID - 92 F/3

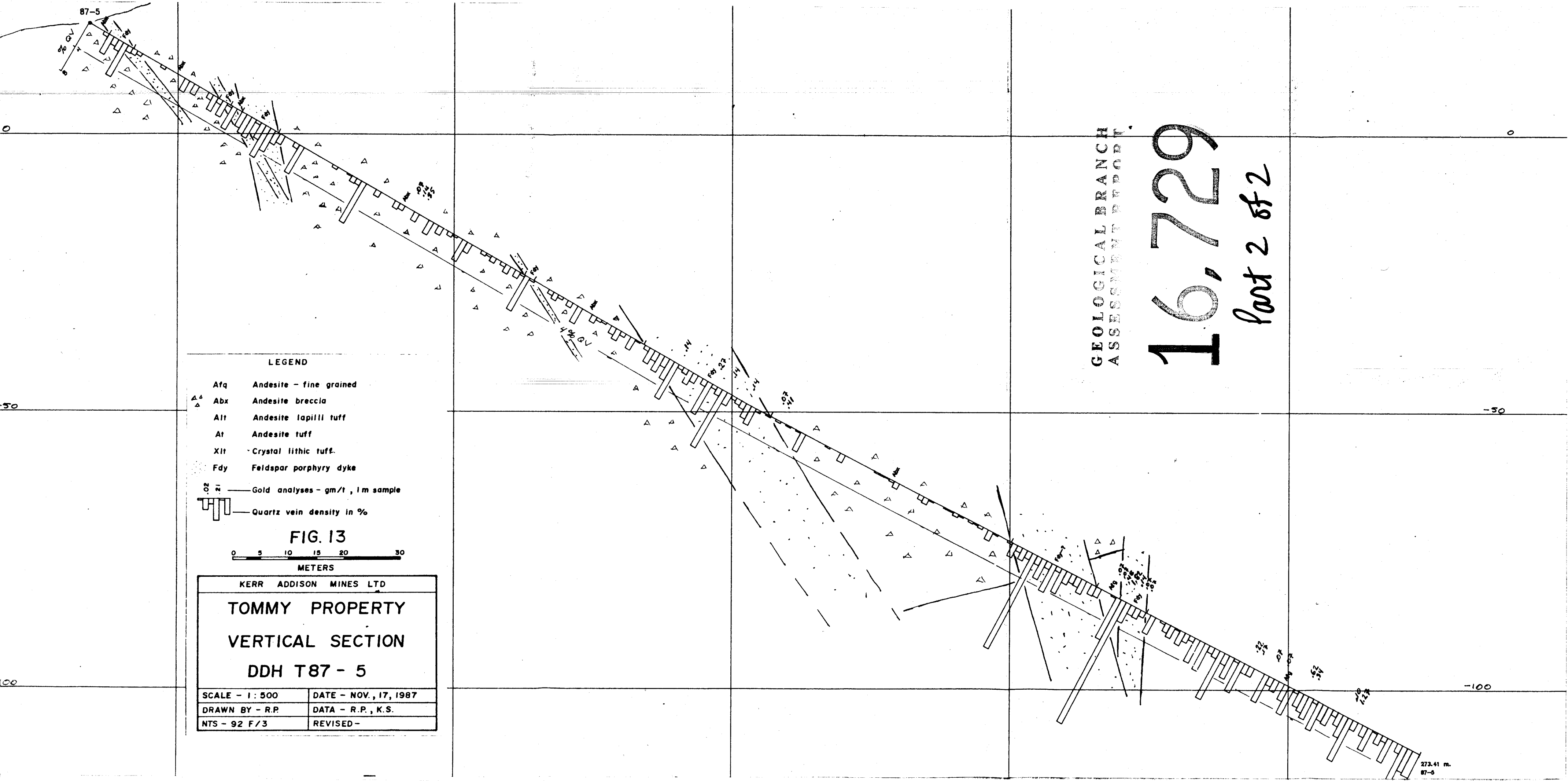
KERR ADDISON MINES LTD

PROPERTY TOMMY

HOLE No. 187-8 SHEET No. 6 OF —

METERS FROM - TO	Rock Type and Textures - Colour, Alteration.	Angles			Veins			Graphic-veins			%			Meters Blocks	EST. Core Rec.	ASSAY									
		Contacts Bedding	Clews/Folial Faults		Type Thickness	Angle	Generation	Meters	d.V.S.	Size V.S. mm.	Chlorite Epidote Quartz	Carbonate	Chalcopyrite Arsenopy Pyrrhotite Pyrite			FROM SAMPLE N. TO	Sample Length	No. Vn	Z Vn	% Sulph.	Au g/t	Ag g/t			
	hbix cont'd	LITHO LOG ← →			SAMPLE LOG																				
					Q	40																			
					PC	12									147	1	2	.9	.1						
					PC	12								148.13	148	1	1	1.0	.1						
					PC	35									149	1	1	.5	.1						
					PC	45									150	1	2	1.1	.1						
															151	1	0	0	.1						
														151.79	152	1	0	0	.1						
															153	1	0	0	.1						
					Q	30									154	1	1	.4	.1						
					PC	25								154.83	155	1	1	.4	0						
															156	1	0	0	.1						
					Q	50								157.58	157	1	0	0	.1						
					PC	32									158	1	1	1.5	.1						
															159	1	1	.4	.1						
					Q	40								160.72	160	1	0	0	.1						
															161	1	0	0	.1						
															162	1	1	1.7	.1						
															163	1	0	0	.1						
					PC	30								163.98	164	1	0	0	0						
					PC	40									165	1	2	1.5	.1						
															166	1	2	1.0	.1						
															167	1	0	0	.1						
														167.03	168	1	0	0	0						
															169	1	2	.9	.1						
															170	1	0	0	.1						
														170.09	171	1	0	0	.1						
					PC	35									172	1	2	2.9	.1	<.07					
															173	1	0	0	.1						
				PC	50								173.12	174	1	1	.3	.1							
														175	1	0	0	.1							
				PC	35									176	1	2	1.8	.1							
													176.17	177	1	0	0	.1							





GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,729  
part 2 of 2

LEGEND

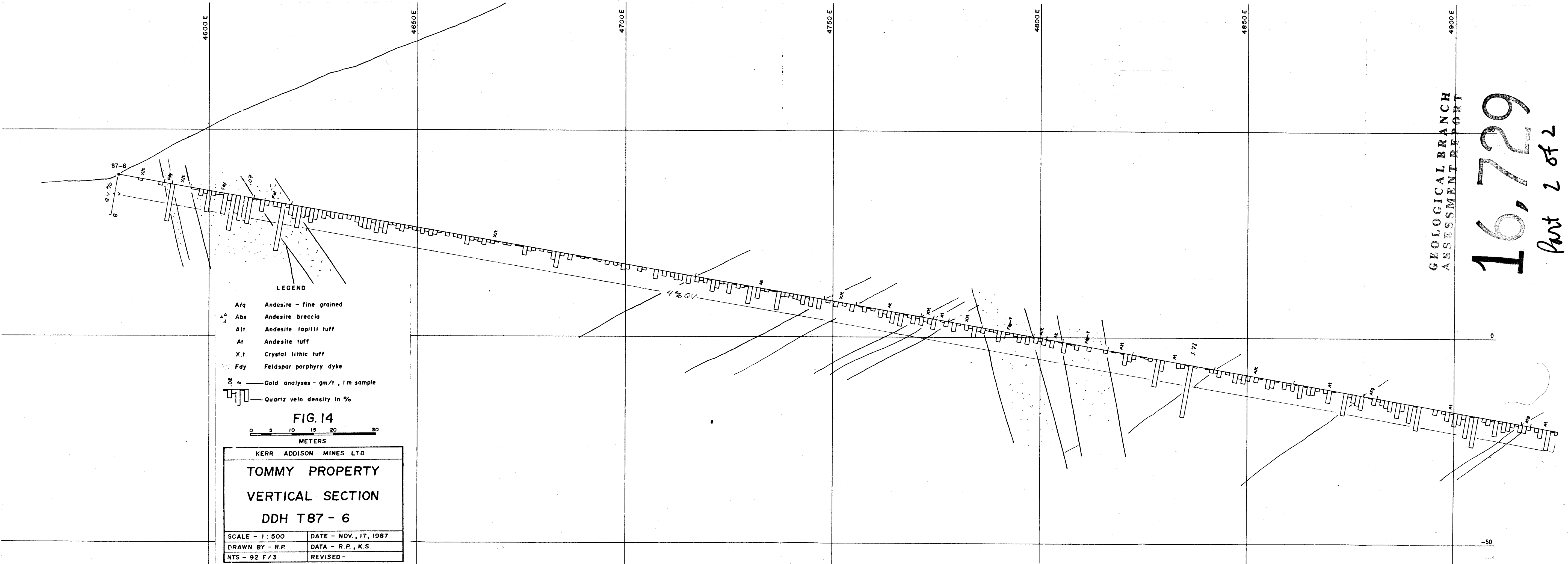
- Atq Andesite - fine grained
- Abx Andesite breccia
- Alt Andesite lapilli tuff
- At Andesite tuff
- Xlt Crystal lithic tuff.
- Fdy Feldspar porphyry dyke
- — Gold analyses - gm/t, 1 m sample
- ▬ Quartz vein density in %

FIG. 13

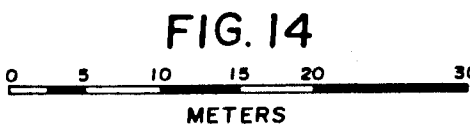


KERR ADDISON MINES LTD	
TOMMY PROPERTY	
VERTICAL SECTION	
DDH T87 - 5	
SCALE - 1 : 500	DATE - NOV., 17, 1987
DRAWN BY - R.P.	DATA - R.P., K.S.
NTS - 92 F/3	REVISED -

273.41 m.  
87-5



- LEGEND**
- Aiq Andesite - fine grained
  - Abx Andesite breccia
  - Alt Andesite lapilli tuff
  - At Andesite tuff
  - Xt Crystal lithic tuff
  - Fdy Feldspar porphyry dyke
  - △ Gold analyses - gm/t, 1m sample
  - ▮ Quartz vein density in %

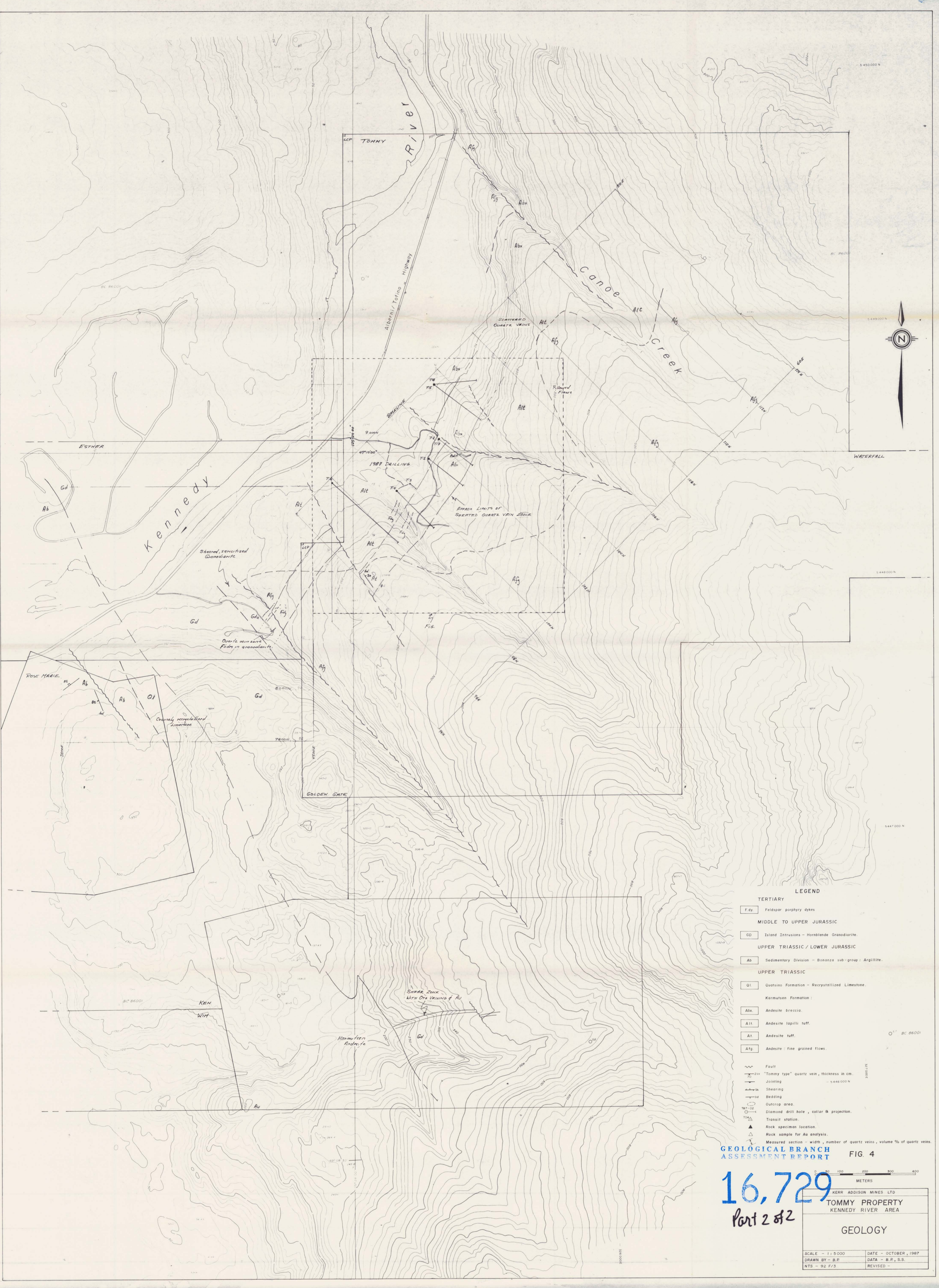


KERR ADDISON MINES LTD	
<b>TOMMY PROPERTY</b>	
<b>VERTICAL SECTION</b>	
<b>DDH T87 - 6</b>	
SCALE - 1 : 500	DATE - NOV. 17, 1987
DRAWN BY - R.P.	DATA - R.P., K.S.
NTS - 92 F/3	REVISED -

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**16,729**

Part 2 of 2



- LEGEND**
- TERTIARY**
- Fdy Feldspar porphyry dykes
- MIDDLE TO UPPER JURASSIC**
- Gd Island Intrusions - Hornblende Granodiorite.
- UPPER TRIASSIC / LOWER JURASSIC**
- Ab Sedimentary Division - Bonanza sub-group: Argillite.
- UPPER TRIASSIC**
- Ql Quatsino Formation - Recrystallized Limestone.
  - Karmutsen Formation:
    - Abx Andesite breccia.
    - Alt Andesite lapilli tuff.
    - At Andesite tuff.
    - Atg Andesite: fine grained flows.
- Other Symbols:**
- Fault
  - "Tommy type" quartz vein, thickness in cm.
  - Jointing
  - Shearing
  - Bedding
  - Outcrop area
  - Diamond drill hole, collar & projection.
  - Transit station.
  - Rock specimen location.
  - Rock sample for Au analysis.
  - Measured section - width, number of quartz veins, volume % of quartz veins.

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

**FIG. 4**

16,729  
Part 2 of 2

0 50 100 200 300 400  
METERS

KERR ADDISON MINES LTD  
TOMMY PROPERTY  
KENNEDY RIVER AREA

**GEOLOGY**

SCALE - 1:5000	DATE - OCTOBER, 1987
DRAWN BY - B.P.	DATA - B.P., S.S.
NTS - 92 F/3	REVISED -

Kennedy River



APPROXIMATE LIMITS OF DENSE QUARTZ VEINING.

LEGEND

- TERTIARY
  - F.6 Feldspar porphyry dyke
- MIDDLE TO UPPER JURASSIC
  - GD Island intrusions - Hornblende Granodiorite
- UPPER TRIASSIC / LOWER JURASSIC
  - AB Sedimentary Division - Bonanza sub-group Arcillite
- UPPER TRIASSIC
  - Q1 Quartzite formation - Recrystallized Limestone
- KARLSTEN FORMATION
  - Abx Andesite Breccia
  - AlL Andesite Lapilli tuff
  - AlT Andesite tuff
  - Alf Andesite fine grained flows
- Geological Features
  - Fault
  - "Dumey" type quartz vein, thickness in cm.
  - Jointing
  - Shearing
  - Bedding
  - Quartzite area
  - Drilled drill hole
  - Transit station
  - Rock sample location
  - Measured section - width, number of quartz veins, volume % quartz

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,729

Part 2 of 2

FIG 5

0 10 20 30 40 50 60 70 80 METERS

KERN ADDISON MINES LTD	
TOMMY CLAIMS	
KENNEDY RIVER AREA	
GEOLOGY	
8	
DRILLING	
SCALE - 1:1000	DATE - NOV. 13, 1987
DRAWN BY - P.H. R.P.	DATA - S.S. R.P.
NTS - 92 F/3W	REVISED -