

ASSESSMENT REPORT
GEOLOGICAL MAPPING
AND
GEOCHEMICAL SURVEY
ON THE
WESTERING CLAIM GROUP
(42 UNITS)
(Westering, Westering 2, Goldrim 1 & 2, WIM, WIM 2)

ALBERNI MINING DIVISION
BRITISH COLUMBIA
NTS 92 F/3W
Lat 49° 09' N, 125° 26' W

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,729

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

By:
Robert Potter, P. Eng.
November 15, 1987

FILMED



TYPE OF REPORT/SURVEY(S) GEOLOGY AND GEOCHEMISTRY	TOTAL COST \$36,206.24
--	---------------------------

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) WESTERING

COMMODITIES PRESENT Gold

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

MINING DIVISION Alberni NTS 92F/3W

LATITUDE 49°09'N LONGITUDE 125°26'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)]:

Westering (9 units) Westering 2 (18 units) Goldrim 1 (6 units)

Goldrim 2 (9 units) WIM 1 & 2 (2 post claims)

Record No.'s 2751, 3085, 2920, 2921, 2752, 2887

OWNER(S)

(1) Walter and Olive Guppy (2)

MAILING ADDRESS

P O Box 94

Tofino, B.C. V0R 2Z0

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

(1) Kerr Addison Mines Ltd. (2)

MAILING ADDRESS

703 - 1112 W. Pender Street

Vancouver, B.C. V6E 2S1

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

Zones of steeply dipping auriferous quartz veinlets within

Upper Triassic Karmutsen andesites and dacits.

REFERENCES TO PREVIOUS WORK No record of previous work on this property.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground	1:1000, 3.2 km ²	Westering and Westering 1 includes labour	21,015.99
Photo		transport, food and accommodation	
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for)			
Soil	275 for Au @ \$7.75	Westering and Westering 1	2,131.25
Silt			
Rock	105 for Au @ \$10.80	Westering and Westering 1	1,134.00
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)	Base map 1:5000, 15 km ²	Covers all claims	4,480.00
Line/grid (kilometres)	10 km	Westering, Westering 1, Goldrim 2	7,445.00
Road, local access (kilometres)			
Trench (metres)			
Underground (metres)			
TOTAL COST			\$36,206.24

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

TABLE OF CONTENTS

	<u>PAGE</u>
I SUMMARY AND CONCLUSIONS	1
II INTRODUCTION	1
III LOCATION ACCESS AND PHYSIOGRAPHY	1
IV PROPERTY	3
V HISTORY	3
VI GEOLOGICAL SETTING	5
VII 1987 PROGRAM	5
VIII PROPERTY GEOLOGY	7
IX GEOCHEMISTRY	9
APPENDICES	
I SAMPLE PREPARATION AND ANALYSIS	
II COST SUMMARY	
III PERSONNEL	
IV CERTIFICATE - R. Potter, P.Eng.	
V REFERENCES	
ILLUSTRATIONS	
Fig. 1 Location Map	2
Fig. 2 Property Map	4
Fig. 3 Geology Regional	6
Fig. 4 Property Geology 1:5000	In Pocket
Fig. 5 Property Geology & Geochemistry North 1:1000	" "
Fig. 6 Property Geology & Geochemistry South 1:1000	" "
Fig. 7 Detailed Vein Sampling	10
Fig. 8 - 13 Sample Plans	11 - 16

I SUMMARY AND CONCLUSIONS

The Westering Claim group, comprising 40 units is located on Vancouver Island near the community of Ucluelet.

These claims are underlain by Upper Triassic marine andesites which have been intruded by Jurassic granodiorite. Tertiary dacitic tuffs are also known on the property.

Preliminary mapping in 1987 has outlined several zones of sheeted auriferous quartz veinlets. These zones are up to 200 meters wide and several hundred meters long.

At the best exposure sampling over a 16.6 meter width returned an average of 0.7 grams per ton gold.

Further sampling is warranted to expand the areas of known mineralization and to define drill targets.

II INTRODUCTION

The Westering property is the subject of an option agreement between Kerr Addison Mines Limited and Walter Guppy of Tafino, B.C. signed on March 5, 1987.

During the spring of 1987 a program of detailed mapping and surface sampling was carried out on the eastern edge of the property to outline and evaluate gold bearing sheeted quartz vein zones known to occur on the Westering and adjacent Tommy Claim groups. A statement of exploration and development was filed with the Mineral Resources Division on September 17, 1987.

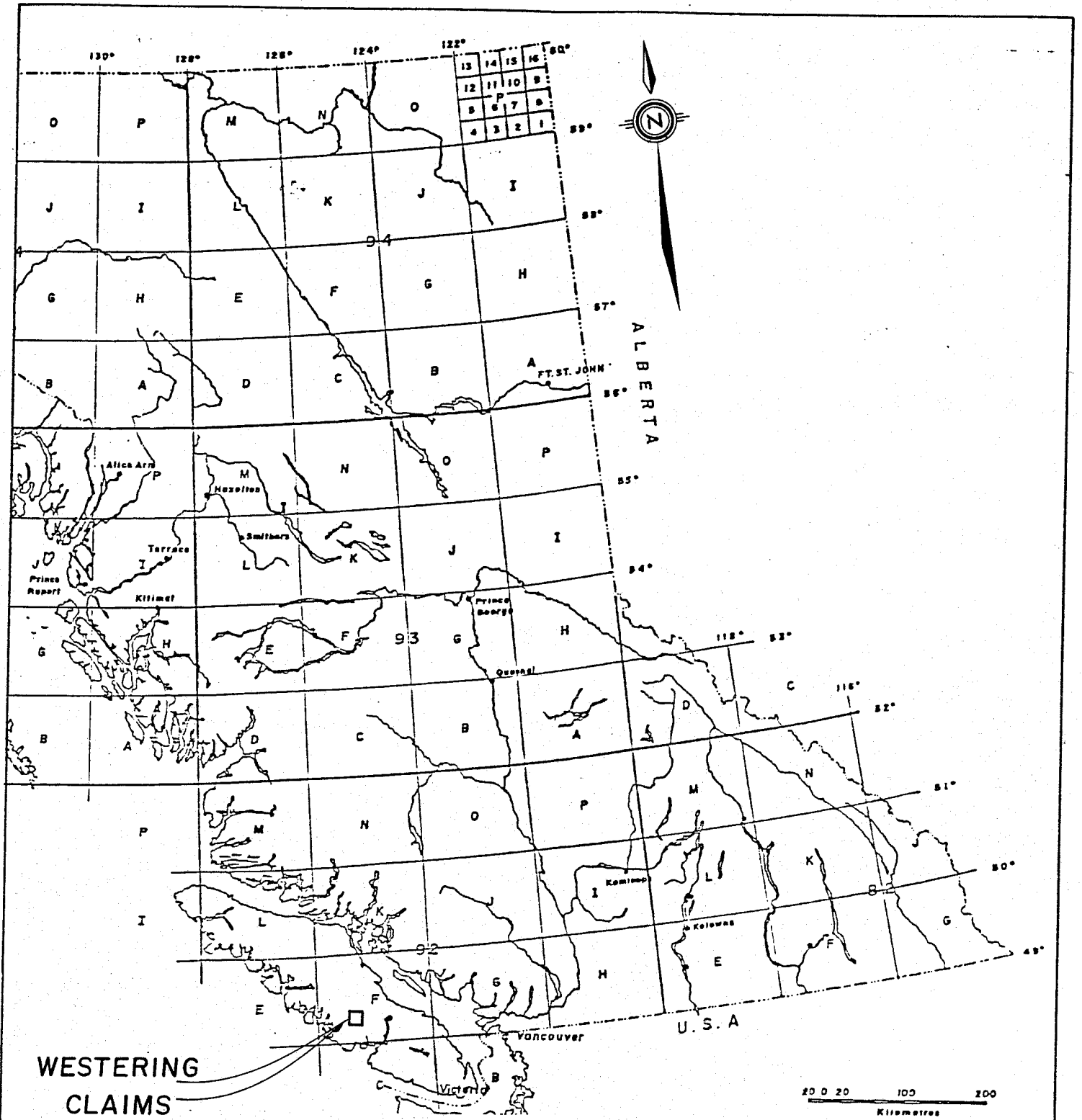
This report documents the procedures and results of the program.

III LOCATION, ACCESS AND PHYSIOGRAPY (Fig. 1)

The Westering property lies on the west 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 bridge spanning the Kennedy River connects Highway 4 with a series of recently constructed logging roads which provide good access to much of the eastern half of the claim block.

Local topography is moderate to steep with elevations ranging from 10 to 600 meters ASL. The area drains east to Kennedy River.

First growth cedar/hemlock covers the upper slopes. The Kennedy Valley bottom and lower slopes have recently been clear-cut logged.



WESTERING
CLAIMS

FIG. 1

KERR ADDISON MINES LTD	
WESTERING CLAIMS LOCATION MAP	
SCALE - 1:7000 000	DATE - OCT., 1987
DRAWN BY - P.H.	DATA - R.P.
NTS - 92 F/3	REVISED -

IV PROPERTY (Fig.2)

The Westering Claim group comprises a contiguous block of modified grid claims plus two, two-post claims totalling 44 units the details of which are as follows;

Claim Name	Units	Record #	Expiry Date*
Westering	9	2751 (11)	92
Westering 2	18	3085 (12)	90
Goldrim 1	6	2920 (5)	93
Goldrim 2	9	2921 (5)	93
WIM	1,2 Post	2752	93
WIM 2	1,2 Post	2887	92

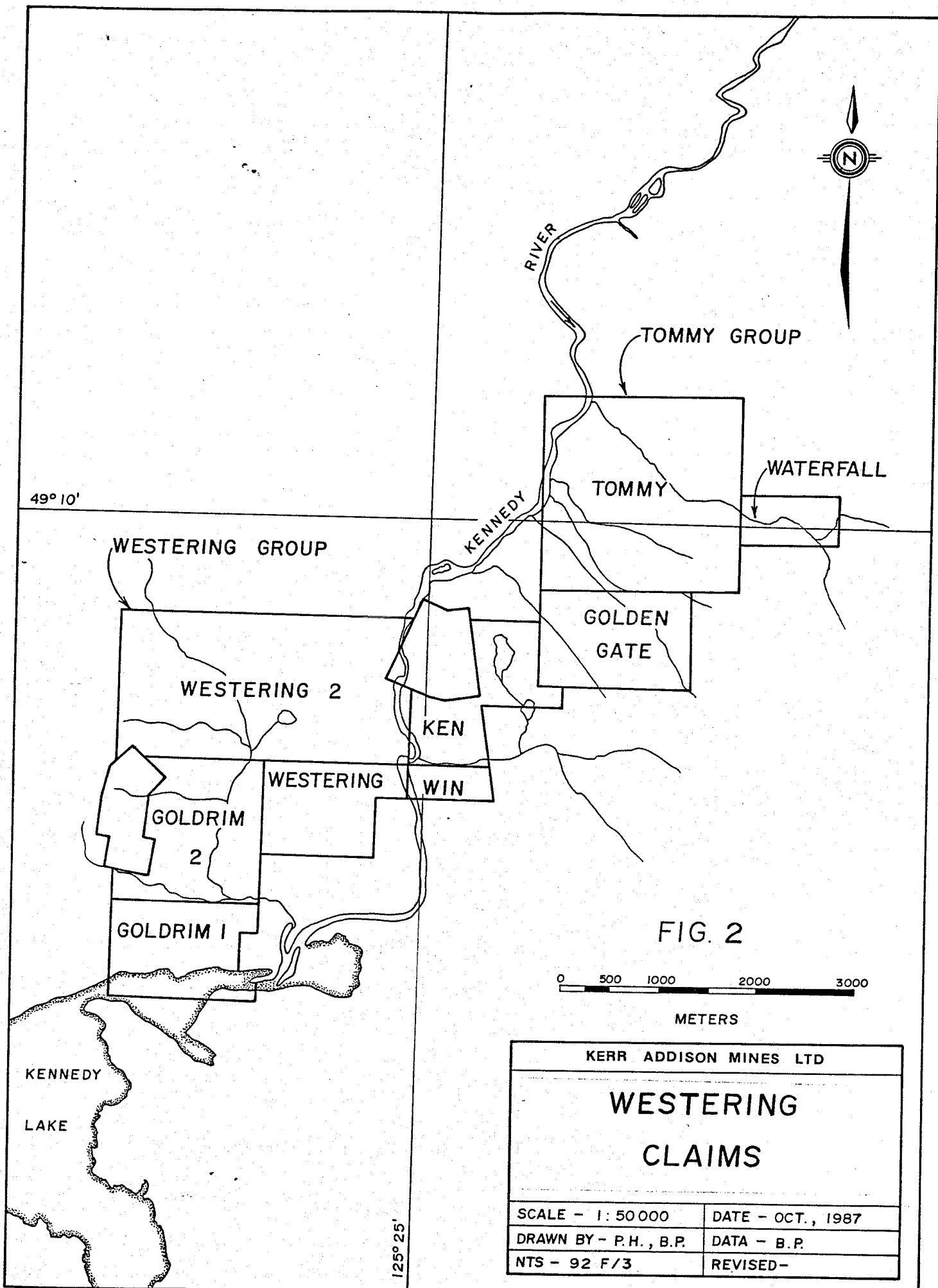
* Assuming acceptance of work filed on September 17, 19187.

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.

Evidence of early work on what is now the Westering Claim is limited to a 7 meter deep shaft driven on a 30 cm wide quartz vein located 80 meters southwest of station 41+50 east on grid line 44 north. Chips from this vein over 30 cm collected by the writer on February 24, 1987 returned 1.44 g/t by fire assay. The vein carries up to 5% pyrite.

Recent work on Westering was done by the owner Walter Guppy in 1986. This included prospecting and soil sampling over an area three hundred meters east-west by five hundred meters north-south centered on the old shaft. Soil samples collected over the area on a 25 meters square pattern showed a strong gold anomaly to the north west of the shaft. Values range up to 1990 ppb Au. A significant outcrop within the anomalous area is cut by auriferous quartz veinlets similar in nature and attitude to those of the Tommy property three kilometers to the north-east.



49° 10'

WESTERING GROUP

WESTERING 2

GOLDRIM 2

GOLDRIM 1

WESTERING WIN

KEN

WIN

GOLDEN GATE

TOMMY

TOMMY GROUP

WATERFALL

RIVER

KENNEDY

KENNEDY

LAKE

FIG. 2

0 500 1000 2000 3000

METERS

125° 25'

VI GEOLOGICAL SETTING

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 and Lower Jurassic Karmutsen Formation.
- Massive limestones of the Upper Triassic Quatsino limestone Formation.
- Argillites, limestones, and andesites of the Lower Jurassic Bonanza sub group.

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.

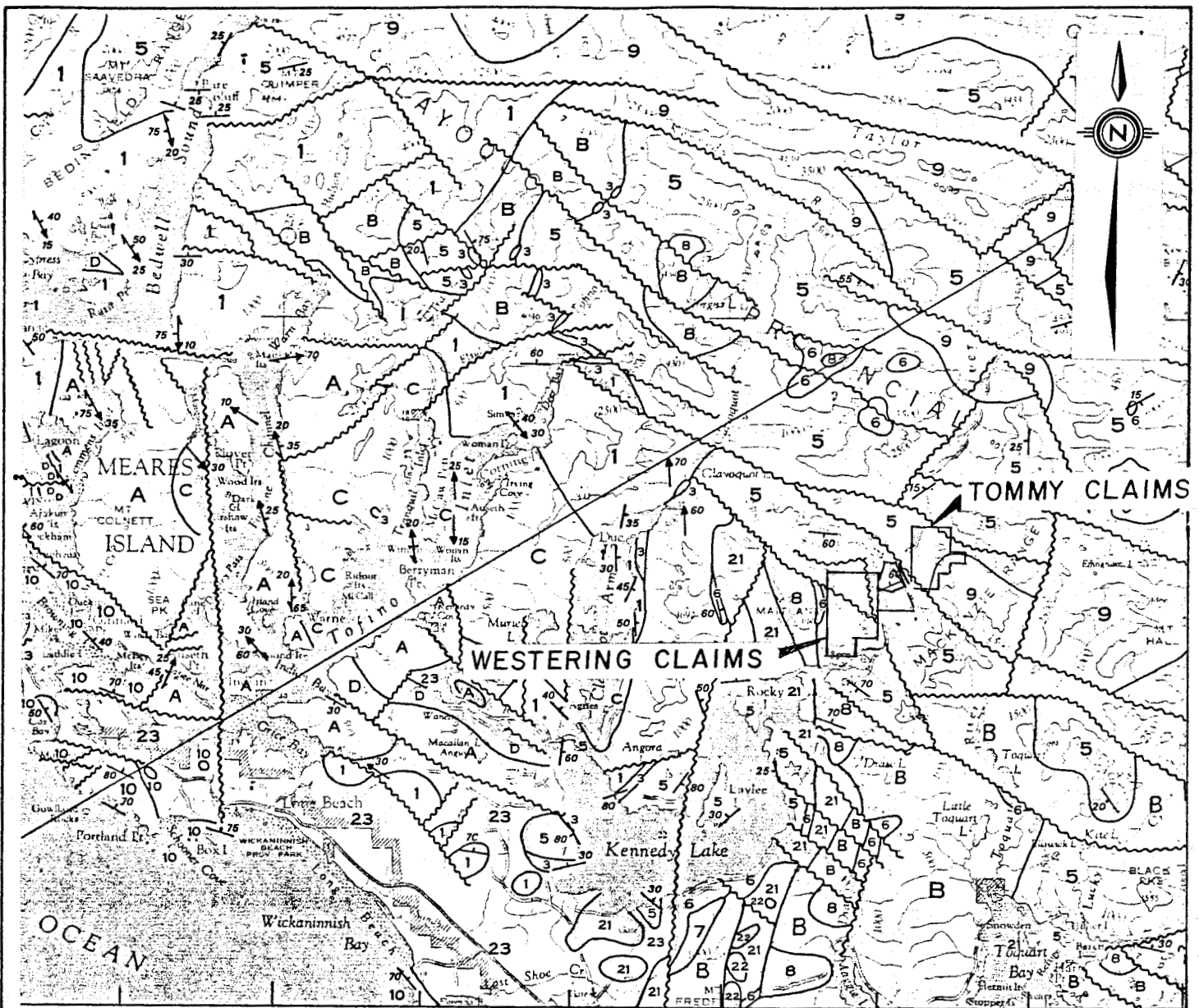
Two periods of intrusive activity are recognized. During Jurassic time quartz diorites and granodiorites were emplaced. Tertiary intrusions include quartz diorite, quartz monzonite and porphyritic dacite. Related tertiary volcanics include rhyolitic to dacitic tuffs and breccias.

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 on 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 Westering Claim group and adjacent ground. Two, one kilometer square areas of interest were expanded to 1:1000 scale.

A further aid to mapping was provided by a grid of cut lines covering a one square kilometer area at the east edge of the property. Cross lines are alligned NW/SE to cross known and suspected NE trending zones of quartz veining. The line pattern is irregular in response to broken terraine. Total length of cut lines is 10 kilometers. Grid stations are picketed at 25 meter intervals along cut lines.



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

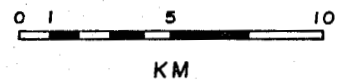
- 1 Volcanic tuff breccias, Schists.

Excerpt from map 17-1968

Geology: Alberni area

by: JE Muller

FIG. 3



KERR ADDISON MINES LTD	
REGIONAL GEOLOGY	
SCALE - 1 : 250 000	DATE - NOV. 6, 1987
DRAWN BY - J.E.M.	DATA - R.P.
NTS -	REVISED -

B horizon soils were collected at grid stations. Samples were air dried before shipment to Chemex Labs of North Vancouver for gold analysis.

Geological mapping was conducted over the eastern edge of the Westering Group. This work is presented on Figure 4 at a scale of 1:5000. Areas of interest are expanded to 1:1000 in Figures 5 and 6.

Zones of pronounced quartz veining were hand sampled in detail (Fig. 7). Samples usually included aggregate quartz material from each vein within 3 meter widths of exposure. Volume percentages of quartz vein within each 3 meter width were noted. The intravein andesitic host rocks were also sampled at some locations.

Figures 8 to 13 show geometry and results for areas of detailed sampling. There are keyed to locations on Figures 5 and 6.

VII PROPERTY GEOLOGY (Figs. 4,5,6)

The eastern edge of the property is largely underlain by massive fine grained andesitic flows of the Karmutsen Formation. A band of well bedded andesitic tuffs parallels the logging access road at a 335° strike. These rocks dip steeply to the west. Strong topographic lineations parallel the bedded tuffaceous unit. The combined evidence suggests a westerly dipping homoclinal sequence of flows and tuffaceous rocks.

At the north edge of the property massive dacites and dacitic lapilli tuffs have been mapped in an area of pronounced sheeted quartz veining. This may be a zone of silicification related to the quartz veining.

North easterly striking, steeply dipping joints are widespread throughout the mapped area. These features are frequently dilated and infilled with auriferous quartz veinlets. Locally the quartz veins occur in swarms sufficiently dense to constitute zones of possible economic significance. Three such zones are recognized on the property.

North zone is located at the northern property boundary (Fig.5). Here north-east striking quartz veins making up to 1% of the rock volume occur over a 200 meter width. The zone extends for about 400 meters along strike; dissipating in the property to the north (Esther). Its south-western boundary is abrupt along a north-westerly striking lineation; probably a fault.

Guppy Zone within the southern area of interest (Fig.6) is a feature showing sporadic veining with a width of 200 meters and a length of about 800 meters. Quartz veins show their strongest development at Guppy showing with a vein density of 3.8% over 16.6 meters.

At Bridge Zone vein densities of up to 1% are mapped within a 120 meter wide section. This feature has a possible extension to the north-east on the adjacent Ken Claim.

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. With the possible exception of a broad zone of silicification at North Zone there are no alteration halos associated with quartz veins.

Of significance in the dating of structures and mineralization on the Westering Claims is an exposure of dacitic lapilli tuff which lies along the eastern boundary of the property at 7500 north. The rock here is compositionally and texturally similar to rocks of Tertiary age which are recognized by Muller and Carson in the Kennedy Lake area to the south. This local lapilli tuff is cut by several steep north-east striking planar quartz veinlets of the type which make up the auriferous sheeted vein zones on the property.

IX GEOCHEMISTRY

Soil geochemistry results are shown on Figures 5 and 6. Only values in excess of 5 ppb gold are plotted. Results show a scattering of anomalous values concentrated in or about the quartz vein swarms but no well defined anomalous areas.

Figure 7 shows the details of sampling procedures used within quartz vein zones. Figures 8 to 13 show geometry and results from sampling at 6 locations within the three zones described above. Samples comprise material from veins over 3 meter widths. Figures are given for vein percentages and five assay determined gold contents.

Of the four areas sampled within north zone only those of Figure 8 returned significant gold values. Eight composite vein samples here ranged from 530 ppb to >10,000 ppb Au with an average of 5153 ppb Au. With no contribution from wallrocks and a vein density of 0.4% this zone would only average 20 ppb Au over its 28 meter width.

Five composite vein samples collected across 16.6 meters at the Guppy showing ranged from 525 to 8330 ppb Au with an average of 4045 ppb. Samples of wallrock andesite here ranged from 25 to 1800 ppb with an average of 566 ppb. The vein percentage over this section is 3.82. The average bulk gold content of the 16.6 meter is therefore $(4045 \times 3.82 + 566 \times 98.18) \div 100 = 669$ ppb Au or about 0.7 gram per ton. This is well below current economic thresholds but the location and the property does warrant further sampling.

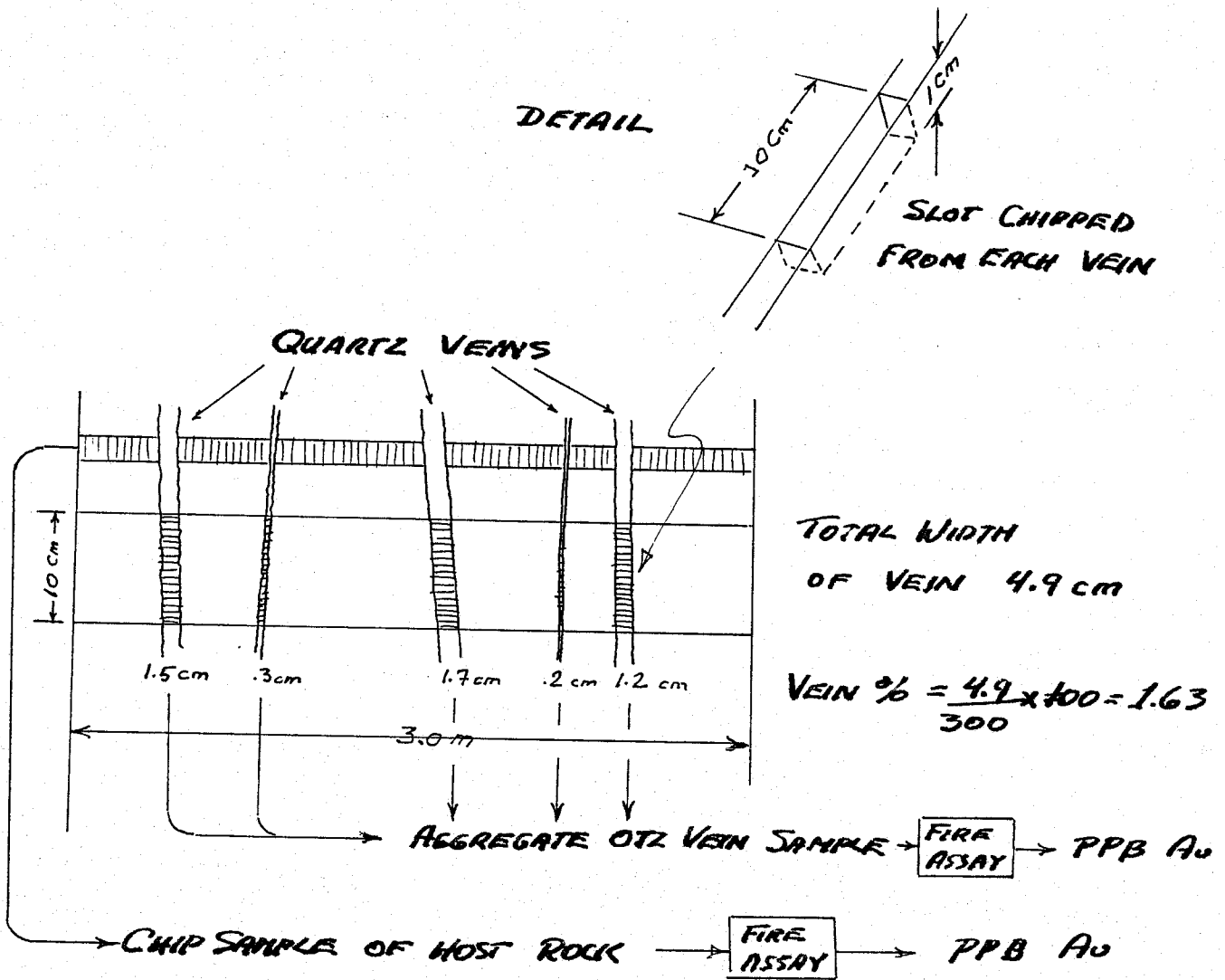


FIG. 7

KERR ADDISON MINES LTD	
VEIN ZONE	
SAMPLING SCHEME	
SCALE - 1:	DATE - OCT, 15, 1987
DRAWN BY - R.P.	DATA - R.P.
NTS - 92 F/3	REVISED -

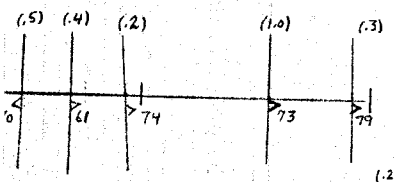
1 CM = 1 M

2800E
8120N

REFERENCE TO FIG. 5

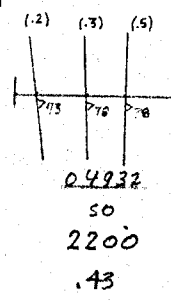
DLT

2m

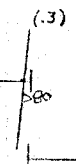


04930
80
1150
.37

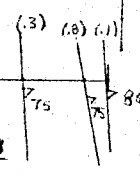
04931
90-95
710,000
.43



04932
50
2200
.43

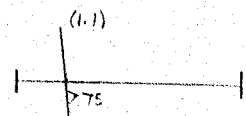


04933
20
8250
.4

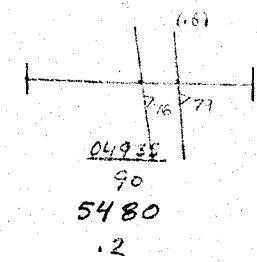


04934
20
8250
.8

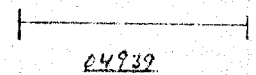
WIDTH OF VEIN IN CM



04936
90
8150
.37

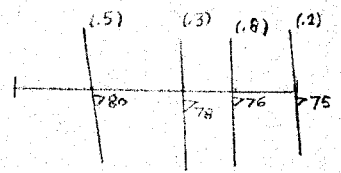


04935
90
5480
.2



04939
0
530
0

3.7m



04938
90
2700
.6

WALL ROCK: DACITE LAPILLI TUFF



LINE 4

Scale 1:100

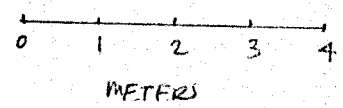
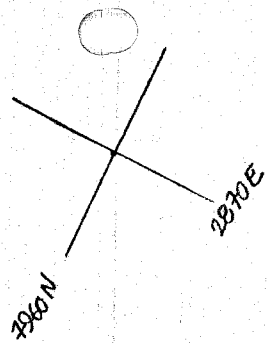
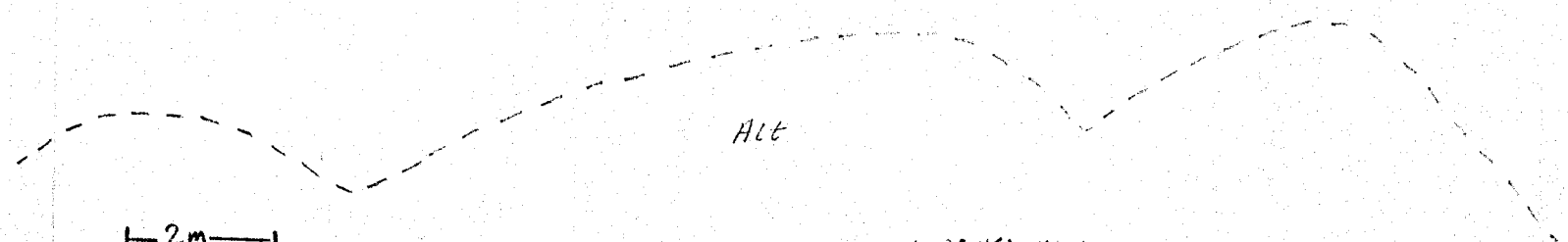


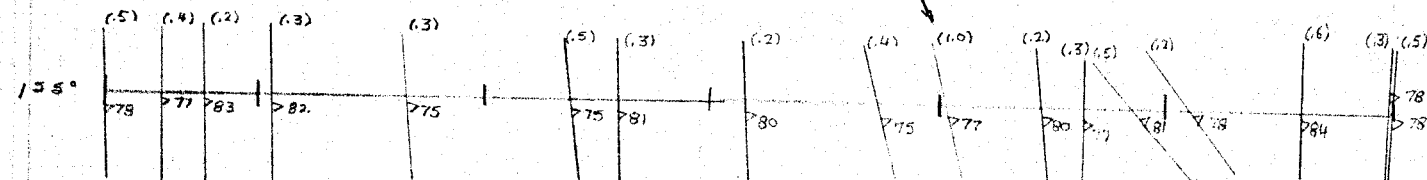
FIGURE 8
WESTERING
DETAILED VEIN SAMPLING
(N of LG000N of 44175E)
Scale 1:100
S. Setb JULY 1987



REFERENCE TO FIG 5



2m



VEIN SAMPLE #	04929	04928	04927	04926	04925	04924
% VEIN IN VEIN SAMPLE	40	40	40	70	40	60
% CHEM RESULT (ppb)	<5	<5	<5	<5	55	770
% VEIN OVER 3m WIDTHS UNLESS OTHERWISE NOTED	.37	.20	.27	.20	.67	.53

WALL ROCK: ANDESITE LAPILLI TUFF

LINES

SCALE 1:100

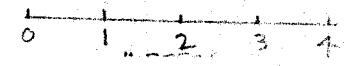
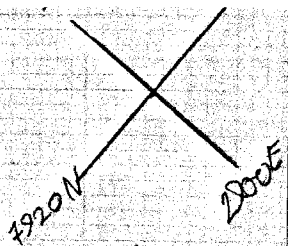
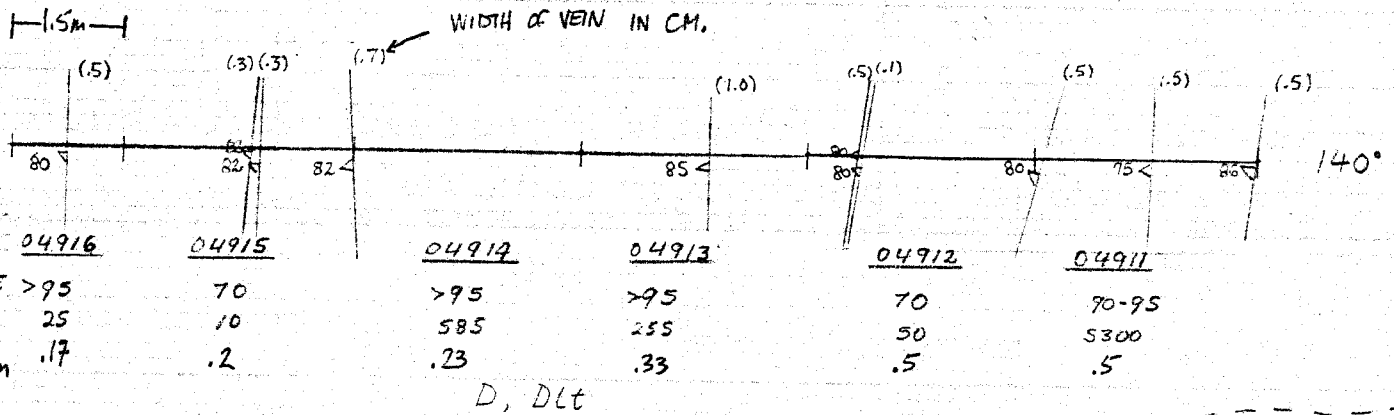
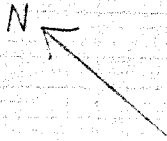


FIGURE 9
WESTERING
DETAILED VEIN SAMPLING
(Near Location of 44175E)
Scale 1:100
S. Seto July, 1987

LINE 1



REFERENCE TO FIG. 5



D, Dlt

WALLROCK: DACITE
+ DACITE LAPILLI TUFF

SCALE 1:100

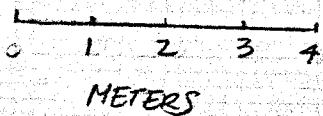
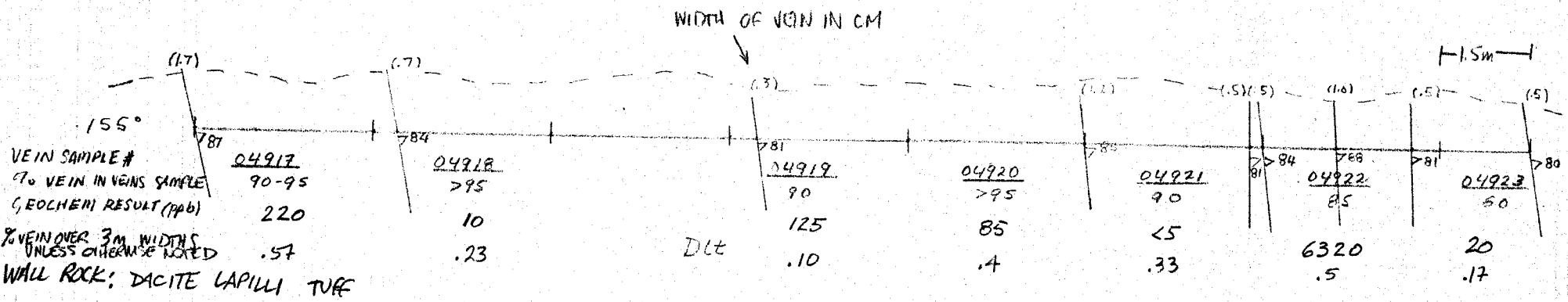


FIGURE 10
WESTERING
DETAILED VEIN SAMPLING
(NEAR LAGOON at 44+00E)
Scale - 1:100
S. Seto July, 1987



1cm = 1m

LINE 2

44100

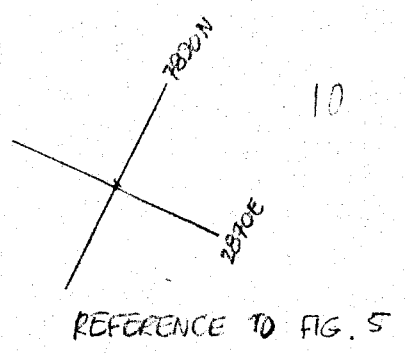
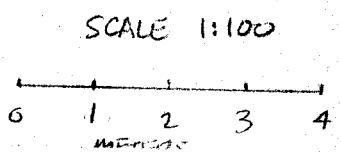
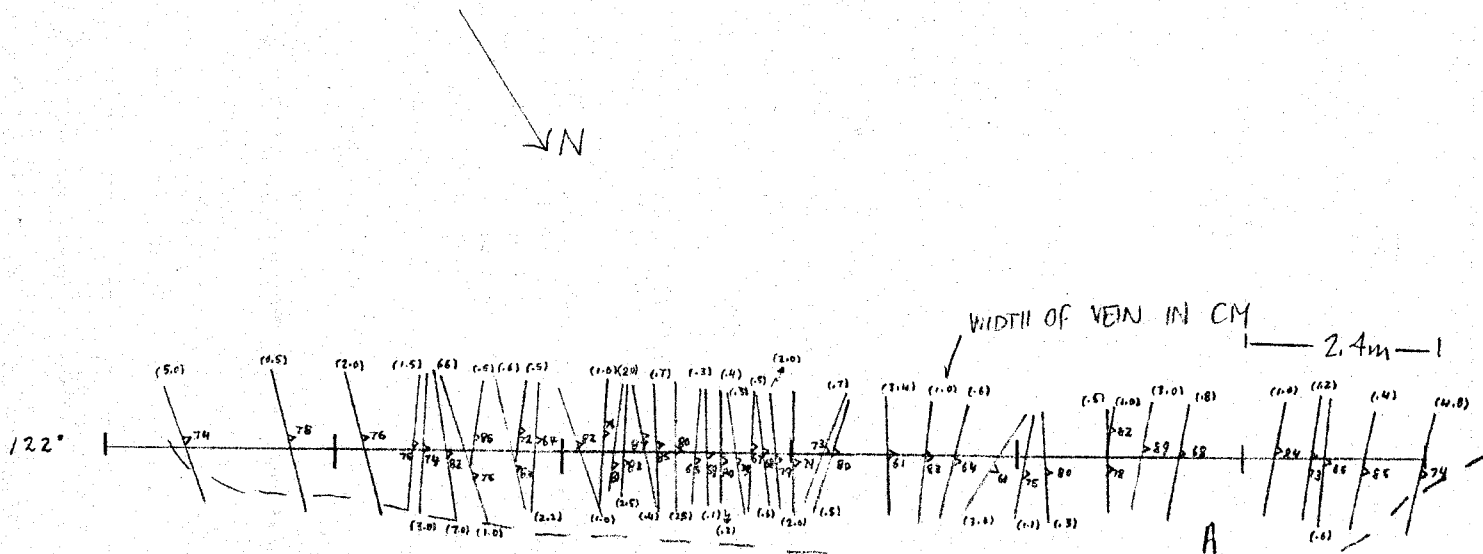


FIGURE 11
WESTERING
DETAILED VEIN SAMPLING
(NEAR LG0400N at 44100E)
Scale 1:100
S. Seto JULY, 1987



VEIN SAMPLE # 4999E
 % VEIN IN VEIN SAMPLE > 95
 GEOCHEM RESULT (ppb) 8330
 % VEIN OVER 3m WIDTHS 1.83
 WALL ROCK SAMPLE # 4905E
 GEOCHEM RESULT (ppb) 885

WALL ROCK: ANDESITE

5000E

65

N.A

6.33

4906E

1000

6330N

4901E

85

.39402/T

5.53

4907E

105

2940E

REFERENCE TO FIG 6

4902E

75

6.110

4.06

4908E

540

4903E

70

1320

2.23

4909E

40

4904E

80

525

3.00

4910E

25

43V, 17.4 m

(3.7% VEIN MATERIAL)

GUPPY SHOW

SCALE 1:100

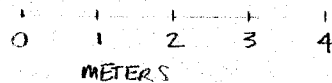
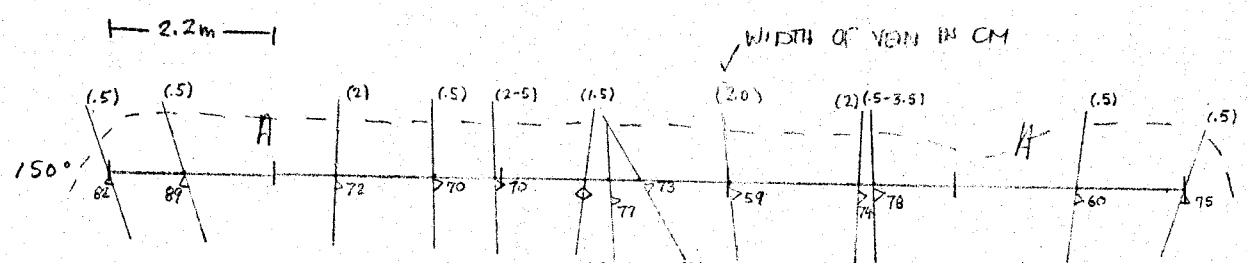
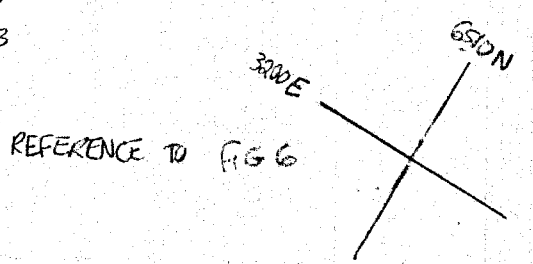


FIGURE 12
 WESTERING
 DETAILED VEIN SAMPLING
 (GUPPY SHOWING - located
 Near L44100N-43100E)
 scale 1:100
 S. Seto
 July, 1987



VEIN SAMPLE #	<u>04945</u>	<u>04944</u>	<u>04943</u>	<u>04942</u>	<u>04941</u>
% VEIN IN VEIN SAMPLE	80	90-95	95	>95	>95
GEOCHEM RESULT (PPM)	765	100	80	10	15
% Vein OVER 3M WIDTHS UNLESS OTHERWISE INDICATED	0.45	2.00	2.08	2.00	.33
WALLROCK: ANDESITE					

BRIDGE LINE



REFERENCE TO FIG 6

(13)

SCALE 1:100

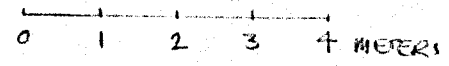


FIGURE 13
 WESTERING
 DETAILED VEIN SAMPLING
 (Near Bridge on main
 road to property)
 Scale 1:100
 S. Seto July, 1987

APPENDIX I

SAMPLE PREPARATION AND ANALYSIS
(as per Chemex 1987 Schedule)

Sample Preparation :

Soils (Chemex code 201)

Dry, sieve through -80 mesh screen

Rock (Chemex code 205)

Dry, crush in two stages, subsample
and ring pulverize to -140 mesh.

Analysis (Chemex code 100)

Sample weight to 10 grams

Fire assay, A.A. finish

Detection limit 5 ppb

APPENDIX II

COST SUMMARY - WESTERING CLAIMS

Base Map - Delta Aerial Surveys		\$ 4,480.00
Line Cutting - Van Alphen Exploration Services		7,445.00
Labour:		
R. Potter, Geologist		
April 1 to Oct 30, 17 days @ \$168	\$2856.00	
S. Seto, Geologist		
April 1 to July 9, 71 days @ \$105	\$7455.00	
K. Stroes, Geologist		
May 1 to July 5, 54 days @ \$90	\$4860.00	
		<u>15,171.00</u>
Truck Rental and Fuel		2,306.86
Chemex Analyses:		
105 rocks for Au at \$10.80	\$1134.00	
275 soils for Au at \$ 7.75	\$2131.25	
		<u>3,265.25</u>
Shipping and Communications		414.13
Food and Accommodation 142 days x \$22		3,124.00
	TOTAL	<u>\$36,206.24</u>

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
Whiterock, B.C. V4B 4K8

2. Contractors

- (i) Delta Aerial Surveys Ltd.
#5 - 7100 River Road,
Richmond, B.C.
- (ii) Van Alphen Exploration Services Ltd.
Box 754, Smithers, B.C.

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 a 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 sampling program carried out by Kerr Addison Mines Limited on the Westering Property in 1987.

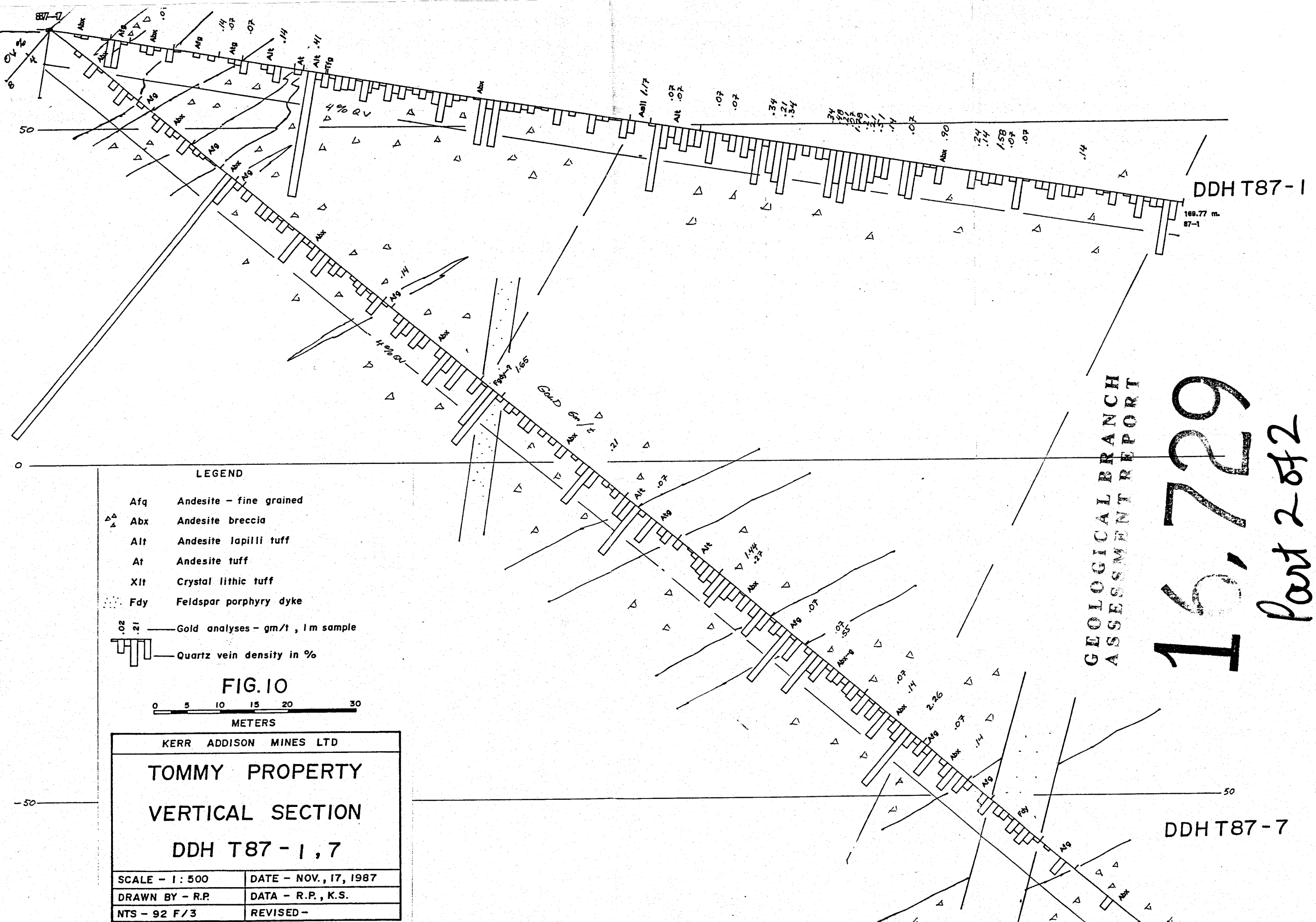
Dated at Vancouver, B.C. this 15th day of November, 1987.


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-A246; 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 Gold Corporation.
- Brown, C.J. November, 1982. Report on Kennedy River claims, Alberni Mining Division, British Columbia. In Prospectus for Rich Lode Gold Corporation; dated February 28, 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.
- Helsen, J.N. September 17, 1985. Property examination report, Bear Group, Alberni Mining Division, B.C. Private report for Noranda Exploration Company Limited.
- 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.



- LEGEND**
- Afq 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, 1m sample
 - Quartz vein density in %

FIG. 10
 0 5 10 15 20 30
 METERS

KERR ADDISON MINES LTD	
TOMMY PROPERTY	
VERTICAL SECTION	
DDH T87 - 1, 7	
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

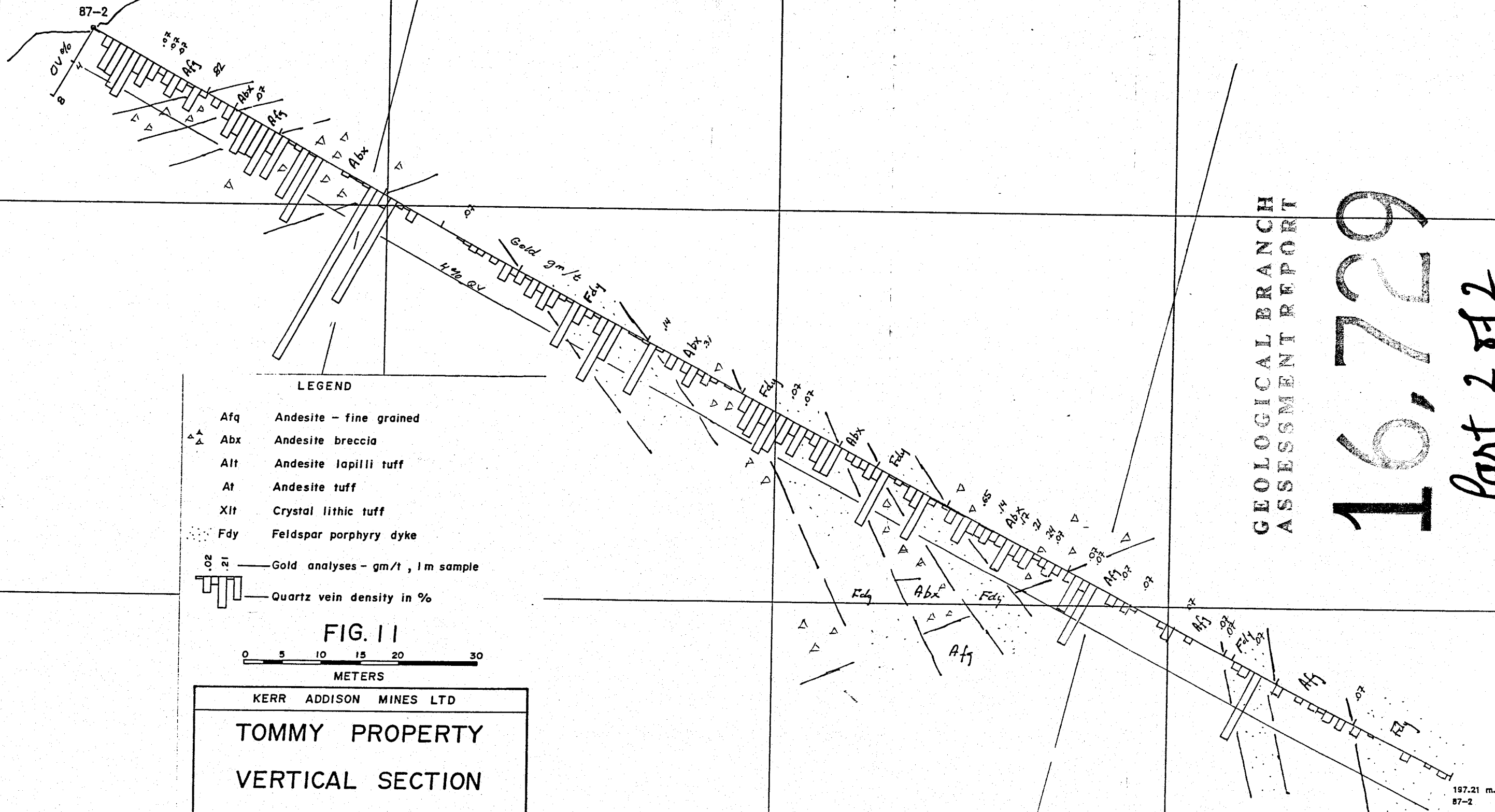
DDH T87-7

4950 E

5000 E

5050 E

5100 E



LEGEND

- △△ Afq 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. 11



KERR ADDISON MINES LTD	
TOMMY PROPERTY	
VERTICAL SECTION	
DDH T87 - 2	
SCALE - 1 : 500	DATE - NOV., 17, 1987
DRAWN BY - R.P.	DATA - R.P., K.S.
NTS - 92 F/3	REVISED -

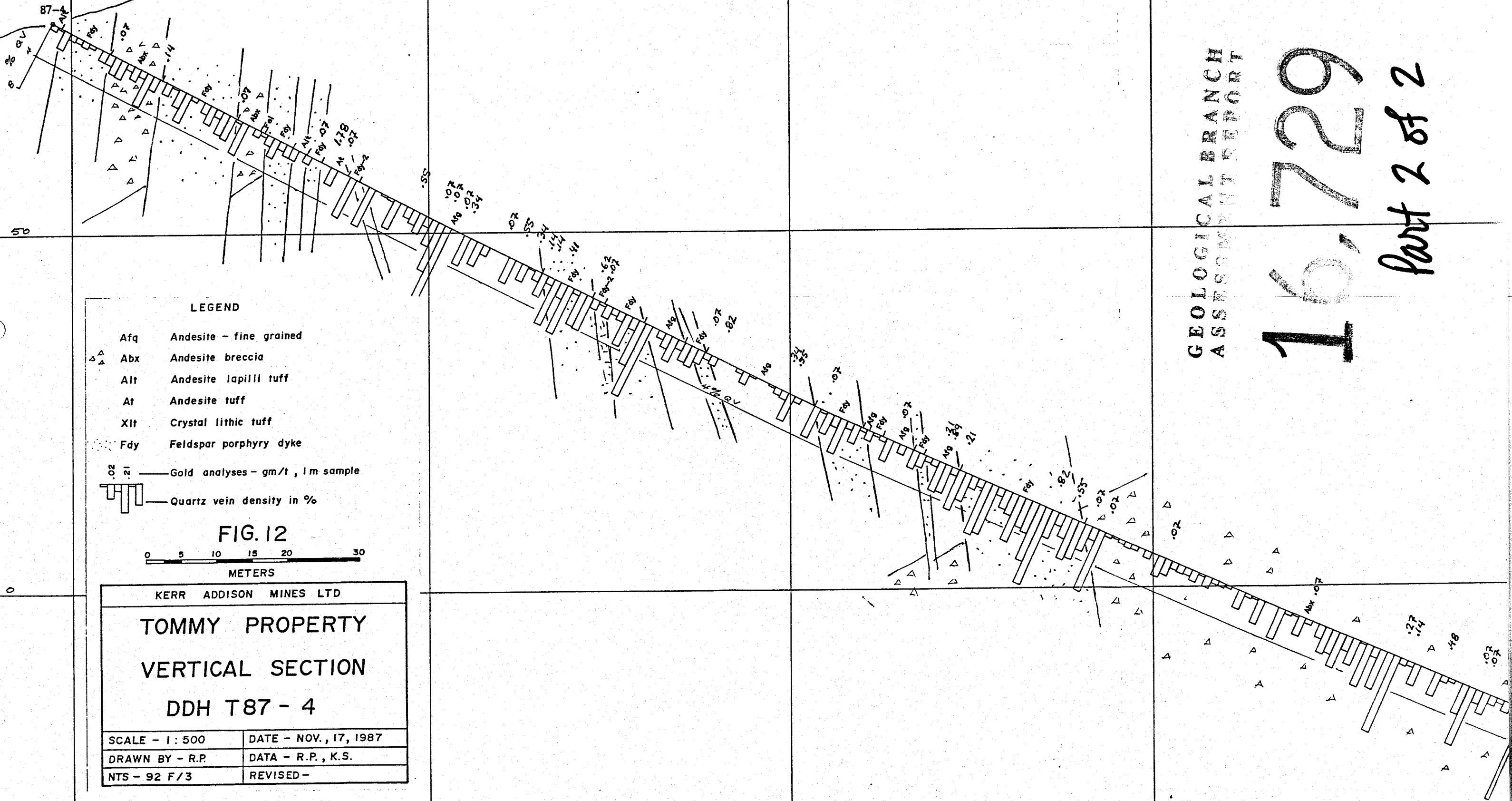
GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,729

Part 2 of 2

50 m

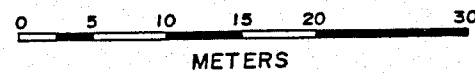
197.21 m.
87-2



LEGEND

- Afq Andesite - fine grained
- △△ Abx Andesite breccia
- Alt Andesite lapilli tuff
- At Andesite tuff
- Xlt Crystal lithic tuff
- Fdy Feldspar porphyry dyke
- .02 .21 — Gold analyses - gm/t, 1m sample
- ▬ Quartz vein density in %

FIG. 12



KERR ADDISON MINES LTD	
TOMMY PROPERTY	
VERTICAL SECTION	
DDH T87 - 4	
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

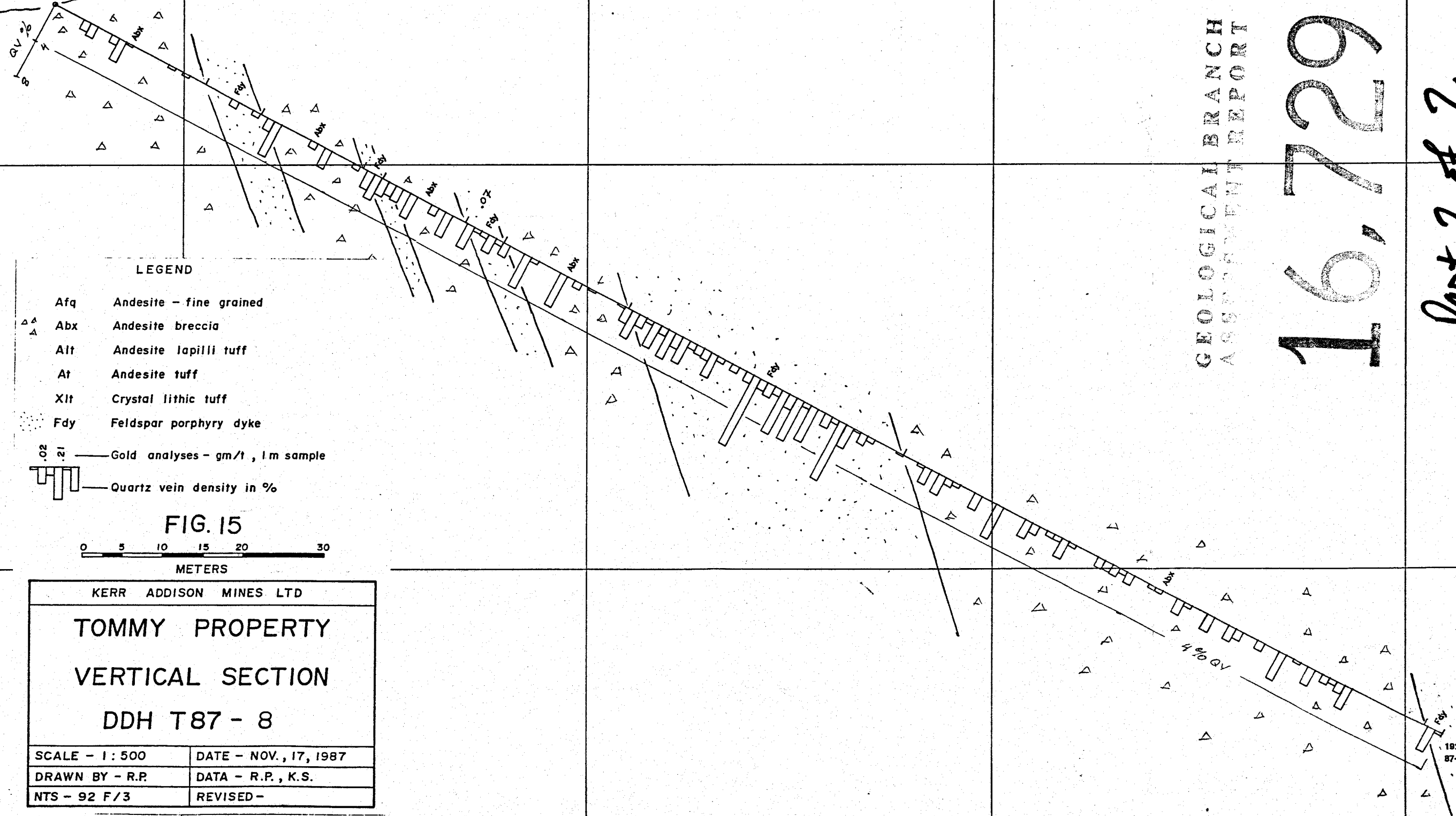
5000E

5050E

5100E

5150E

87-8



LEGEND

- Afq 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. 15



KERR ADDISON MINES LTD	
TOMMY PROPERTY	
VERTICAL SECTION	
DDH T87 - 8	
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

- 50 m

192.93 m.
87-8



WESTERING #2

BC 8600

BC 8600

BC 8600

BC 8600

LEGEND

TERTIARY

Tv

Dacitic Volcanics

MIDDLE TO UPPER JURASSIC

Id

Island intrusions Hornblende Granodiorite

UPPER TRIASSIC/LOWER JURASSIC

As

Sedimentary division - Bonanza subgroup Argillite

UPPER TRIASSIC

Ql

Quatsino Formation - Recrystallized Limestone

KARLUTSEN FORMATION

A

Andesite - undifferentiated

Ab

Andesite Breccia

Al

Andesite Lapilli, tuff

At

Andesite tuff

Atg

Andesite fine grained flow

S

Selite

R

Rhyolite

Fault

20V

"Tommy type" quartz veins, thickness in cm.

Jointing

Shearing

Bedding

Contact

10 m, 9 veins percentage of vein material over a distance of 10 m, (.98%) and trend or vein package

WESTERING #2

TER

WESTERING #2

WESTERING #1

WINCHE INDIAN RESERVE

Kennedy River

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,729 Part 1 of 2

FIG 4

METERS

KERR ADDISON MINES LTD

WESTERING CLAIMS

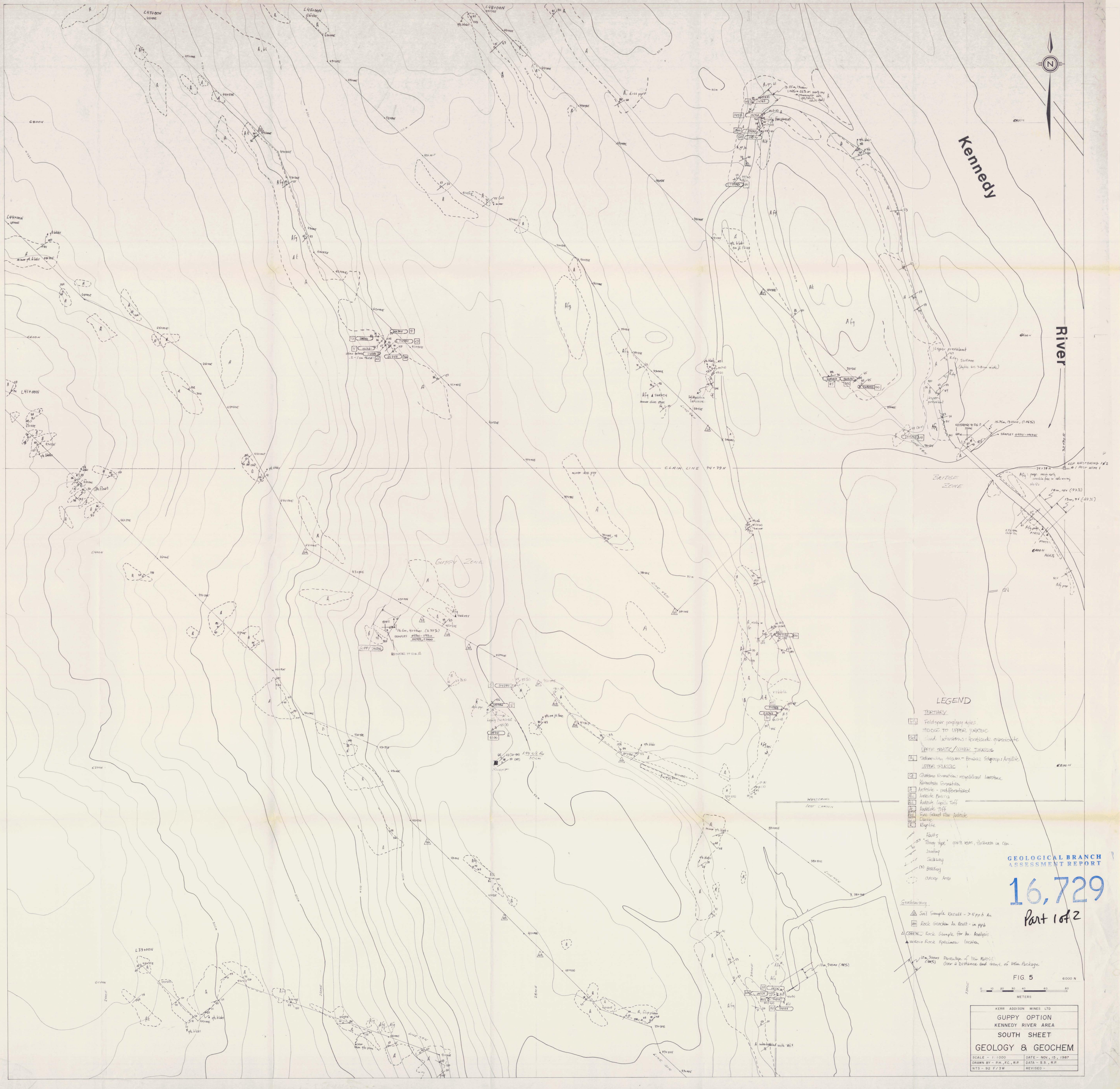
GEOLOGY

SCALE 1:5000 DATE NOV 15, 1987
DRAWN BY R.P. DATA S.S., R.P.
NTS - 92 P/3 REVISED



Kennedy

River



LEGEND

- TERTIARY
 - [Symbol] Foldepar porphyry dikes
 - [Symbol] MIDDLE TO UPPER JURASSIC
 - [Symbol] Lower Jurassic: horizontal stratification
 - [Symbol] UPPER JURASSIC/LOWER TERTIARY
 - [Symbol] Subvolcanic Andesite - Basalts: Sigmoid: Amphibole
 - [Symbol] UPPER TRIASSIC
 - [Symbol] Gypsine formation: unconsolidated limestone
 - [Symbol] Karstic Formations
 - [Symbol] Andesite - differentiated
 - [Symbol] Andesite Breccia
 - [Symbol] Andesite Lapilli Tuff
 - [Symbol] Andesite Tuff
 - [Symbol] Fine grained flow Andesite
 - [Symbol] Diatrite
 - [Symbol] Basaltite
- Faults
 - [Symbol] "Tongue type" north west, thickness in cm.
 - [Symbol] faulting
 - [Symbol] Shallowing
 - [Symbol] Breeding
 - [Symbol] crack: Arts
- Geochimistry
 - [Symbol] Soil Sample Result - > Gpph Au
 - [Symbol] Rock Geochem Au Result in ppb
 - [Symbol] Geochem Rock Sample for Au Analysis
 - [Symbol] Sample Rock Specimen location

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,729

Part 1 of 2



FIG. 5 6000 N

KERR ADDISON MINES LTD	
GUPPY OPTION	
KENNEDY RIVER AREA	
SOUTH SHEET	
GEOLOGY & GEOCHEM	
SCALE - 1:1000	DATE - NOV. 15, 1987
DRAWN BY - R.H., F.C., R.P.	DATA - S.S., R.P.
NTS - 92 F/3 W	REVISED -



River

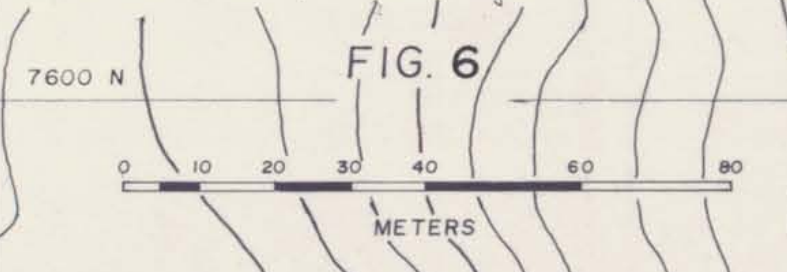
Kennedy

North Zone

ESTHER
WETHEBANGZ

LEGEND

- TERTIARY**
- [E4] Feldspar porphyry dykes
 - MIDDLE TO UPPER JURASSIC
 - [E5] Island Intrusions: hornblende monzonite
 - UPPER-TERTIARY/LOWER JURASSIC
 - [E6] Subvolcanic division - Bonanza Subgroup: Andesitic
 - UPPER-TERTIARY
 - [E7] Quaternary Formation: Pleistocene Limestone
 - [E8] Karmutsa Formation
 - [E9] Andesitic - andesitic/basaltic
 - [E10] Andesitic Breccia
 - [E11] Andesitic Lapilli Tuff
 - [E12] Andesitic Tuff
 - [E13] Tephra
 - [E14] Tephra
 - [E15] Andesite
- Folds**
- [F1] "Tommy-type" north-south, horizontal on map
 - [F2] Jointing
 - [F3] Shearing
 - [F4] Brecciation
 - [F5] Outcrop Area
- Geochronology**
- [G1] Soil Sample Result - 50ppm Au
 - [G2] Rock Geochem - Au Result in ppb
 - [G3] Rock Sample for Au Analysis
 - [G4] Sample Rock Specimen Location



KERR ADDISON MINES LTD
GUPPY OPTION
 KENNEDY RIVER AREA
 NORTH SHEET
GEOLOGY & GEOCHEM.

SCALE - 1:1000 DATE - NOV. 15, 1987
 DRAWN BY - P.H.F.C.R.P. DATA - S.S., R.P.
 NTS - 92 F/3W REVISED -

GEOLOGICAL BRANCH
ASSESSMENT REPORT
16,729
 Part 1 of 2

FIG. 6

