

004700

1986 PROGRAM REPORT

on the

KOE CLAIMS

WHITEHORSE MINING DIVISION

YUKON TERRITORY

NTS: 115 J/9

Lat. 62°38'N Long. 138°28'E

by

Les Lyons

for

KERR ADDISON MINES LIMITED

Program:

July 16 - July 28, 1986

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY	1
LOCATION AND ACCESS	2
LEGAL DESCRIPTION	2
TOPOGRAPHY AND VEGETATION	2
GEOLOGY	5
STRUCTURE	6
HISTORY	6
1986 DRILL PROGRAM	7
 <u>APPENDICES</u>	
I. Geochemical Procedures	
II. Cost Statement	
III. Diamond Drill Logs	
IV. References	
V. Qualifications	
 <u>ILLUSTRATIONS</u>	
Figure 1. Location Map	In Text
Figure 2. Claim Map	In Text
Figure 3. 1986 Drilling Area	In Text
Figure 4. Compilation - Property (1:5000)	In Pocket
Figure 5. Compilation - 1986 Drilling Area (1:500)	In Pocket
Figure 6. Diamond Drilling Sections (1:500)	In Pocket
Figure 7. Orthographic Projection	In Text
 <u>TABLES</u>	
I. KOE Drill Hole Details	

SUMMARY

The KOE Claims, staked as a result of reconnaissance Ag-Au discoveries, is located 290 km NW of Whitehorse, Y.T. The mineralization is part of an epithermal system related to contemporaneous Tertiary volcanism and major dip-slip faulting.

Mapping, geochemical sampling, and VLF-EM surveying has outlined an area some 750 meters in length containing several locales with geochemically anomalous to locally high grade float samples. These samples are generally variably brecciated chalcedonic quartz with thin seams of pyrite and/or arsenopyrite and represent the surface traces of main or related subsidiary faults of a generally NW trending fault system. Trenching exposed narrow Ag-Au bearing quartz veins surrounded by strongly silicified, clay altered and often brecciated rhyolite. These veins trend between N15°W and N15°E and are thought to be fault strands off the major KOE fault.

In 1986, a drill program consisting of 5 drill holes totalling 443.6 meters was completed between July 16 and July 28. These holes intersected local, narrow, mineralized seams, that assayed as high as 20 ppm Ag with 2400 ppb Au, as well as local mineralized fault breccias with values to 63 ppm Au with 2250 ppb Au.

Koe Claims

LOCATION and ACCESS

The KOE Claims (Lat. 62°38'N, Long. 138°28'W; NTS 115 J/9), are located 125 kilometers northwest of Carmacks, Y.T. In 1986 the claims were accessed by a combination of fixed wing and helicopter transport from Carmacks. A fixed wing Cariboo cargo aircraft was used to transport equipment and personnel from Carmacks to the Rude Creek airstrip 13 km NW of the claim group. Subsequently a Carmacks based helicopter was utilized for access to the KOE property.

LEGAL DESCRIPTION

The KOE property consists of KOE 1 to 44 (YA78417 to YA78460) and are owned by Kerr Addison Mines Limited, Vancouver, B.C. The anniversary date is December 12th.

TOPOGRAPHY and VEGETATION

The KOE Claim group lies within the Dawson Range of the Western Yukon Plateau. This area has been unaffected by continental glaciation. The property itself occupies a portion of an S-shaped ridge and varies between 1260 m ASL (4150') and 1760 m (5800') and is generally quite steep.

Vegetation on the property is restricted to low willow and alder bushes at lower elevations giving way to grasses and mosses and then to lichen covered, unstable talus at higher elevations.

IN-HOUSE SUPPLEMENT

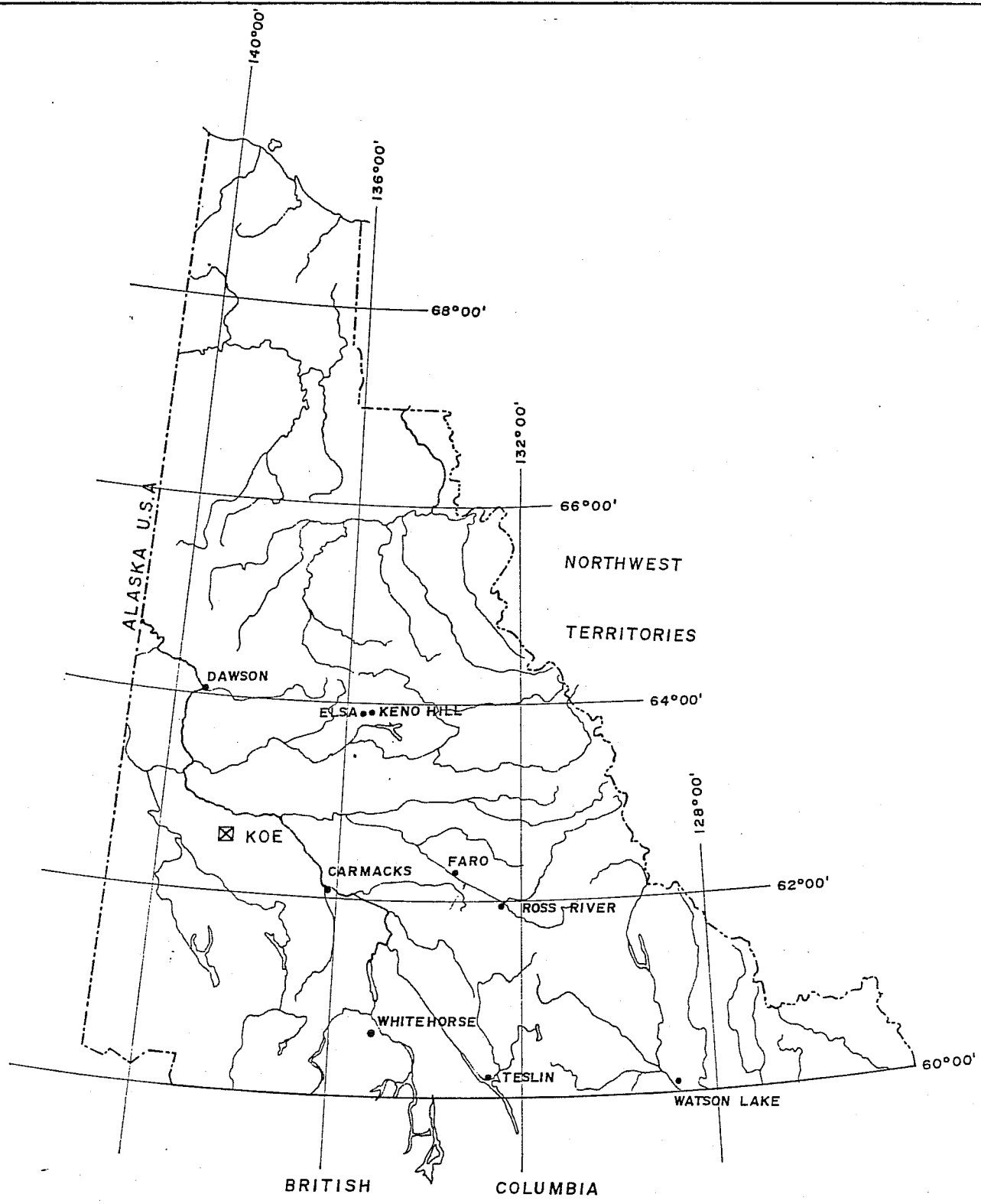
CONCLUSIONS:

The KOE Claims, staked during the 1983 Yukon Regional Program, are located 290 km NW of Whitehorse, Y.T. They are the site of epithermal Ag-Au mineralization that occurred as a result of contemporaneous Tertiary volcanism and major dip-slip movement on the KOE Fault. Continued faulting produced a fault zone of many strand faults splaying off the main fault. Quartz-chalcedonic or altered and crushed volcanic breccias are common along many faults.

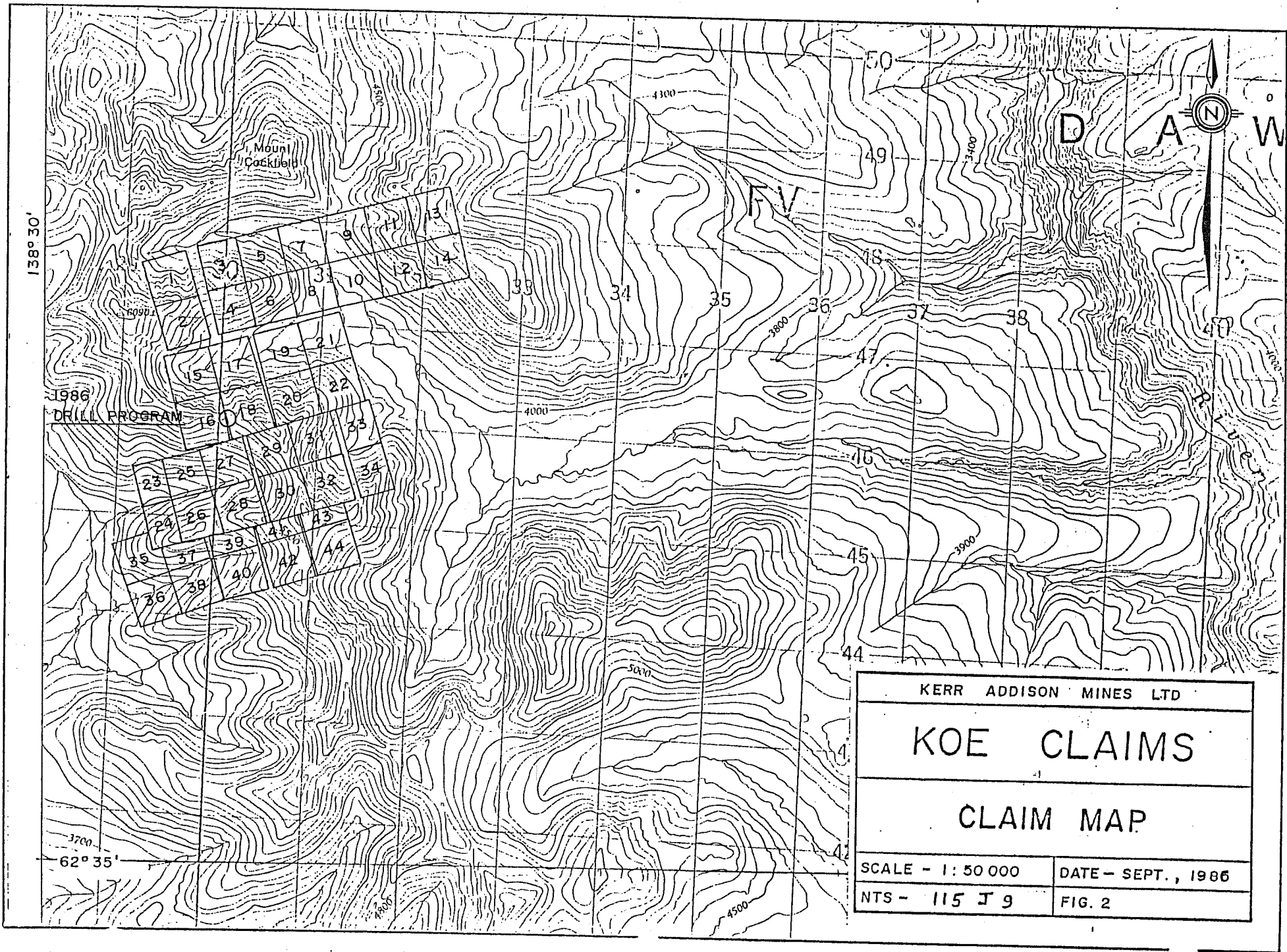
Mineralization commonly occurs in these faults and fault breccias as narrow pyrite and/or arsenopyrite seams, narrow quartz-sulphide veins or as sulphides disseminated in the matrix of the breccias. Anomalous float samples yielding up to 11.3 gm/T Au with 381 gm/T Ag (and 1 local sample with 4800 gm/T Ag) have been found at several locales along 750 meters of the fault zone.

In 1986, a drill program was conducted in the fault zone where abundant float mineralization coincides with the best soil anomaly on the property. Several pyrite seams were intersected in holes 1 and 4 with a maximum width of 5cm and values to 2400 ppb Au. Holes 4 and 5 intersected 1 and 2 mineralized fault breccia zones respectively, the largest of which can be correlated between holes. The maximum width of these mineralized breccia zones is 30cm and values range to 2250 ppb Au with 62 ppm Ag. A major fault zone, possibly the KOE Fault itself, was intersected in hole 3 but values were relatively low, as was the recovery in this section.

The potential for a concentrated ore zone related to the KOE Fault system still exists, though its discovery may be more difficult and expensive than at first hoped. The narrowness and wide spacing of mineralized zones thus far found together with the high mob-demob costs, incurred because of the property's remoteness, make further drilling on the KOE Claims a low priority in the Yukon exploration program.



KERR ADDISON MINES LTD
KOE CLAIMS YUKON TERRITORY
LOCATION MAP
FIG. 1



138° 30'

1986
DRILL PROGRAM

62° 35'

KERR ADDISON MINES LTD	
KOE CLAIMS	
CLAIM MAP	
SCALE - 1 : 50 000	DATE - SEPT., 1986
NTS - 115 J 9	FIG. 2

Koe Claims

GEOLOGY

The KOE property lies within the Yukon Crystalline geological province, a region predominantly underlain by Precambrian to Triassic schists and gneisses of the Yukon Metamorphic Complex. Intruding the metamorphic rocks are granitic rocks ranging in composition from syenite to quartz diorite, and in age from Triassic to early Tertiary. Volcanics, of mid-Cretaceous to early Tertiary age, together with some sediments, locally overlie the metamorphic and older plutonic rocks.

The property geology can be divided into three suites of rocks, the most predominant being those regionally mapped as Tertiary Casino Volcanics (Templeman-Kluit, Map 16, 1973). These rocks are possibly equivalent to the Mt. Nansen Volcanic suite, thought to be of mid to late Cretaceous age. Lithologies range from massive to flow banded rhyolite and rhyolite lapilli tuff with almost every conceivable combination in between. Generally the volcanics are more felsic in the northern portion of the property. Underlying the volcanic rocks to the southwest are gneisses and phyllites of the Yukon Metamorphic Complex. The contact between these two suites is marked in part by a north-west trending fault zone (the 'KOE FAULT') through the central portion of the property and by a sub-horizontal, locally brecciated contact in other areas. Major intrusives of both the younger and older suites underlie the northwestern and southeastern borders of claim group. Both suites have compositions near to or overlapping the mutual boundaries of granodiorite to monzonite dykes, rhyolite dykes and andesite dykes. A simplified map of major geological units appears on Fig. 4, and the detailed version on Figure 3a of the 1984 KOE Report.

Koe Claims

STRUCTURE

Regionally the KOE claims lie in an area of strong northwest trending, right lateral fault zones. This northwesterly trend is also evident on the property as the major KOE fault zone trends 145° through the claims as do other faults. Movement on the KOE fault is a downward slip of the northeastern side and is likely the result of more than one phase of movement. Generally these faults are marked by variable breccias and by clay, silica and sericite alteration of the rubble in the fault traces.

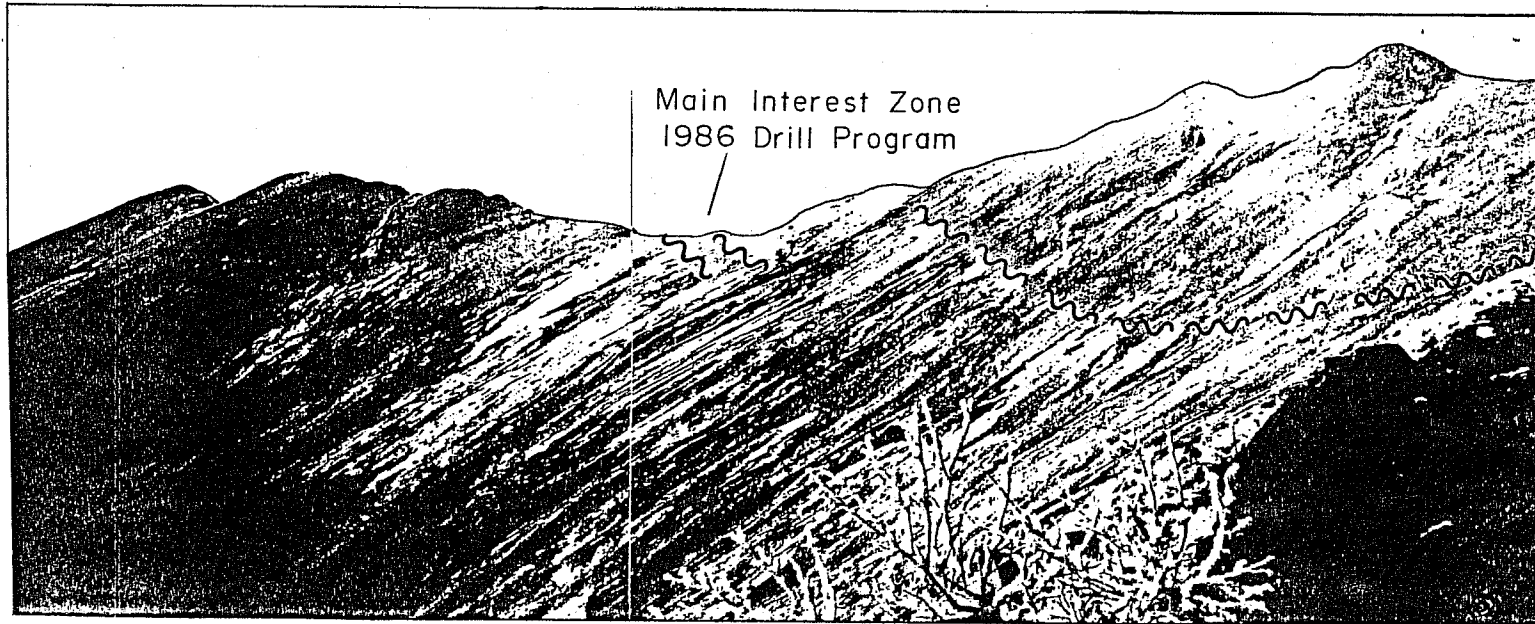
HISTORY

The KOE claims were staked in August 1983, following the discovery of anomalous Ag and Au values in float during a regional reconnaissance program.

Further geological mapping and geochemical sampling on an established grid in 1984 narrowed the target to a NW trending zone some 750 meters long that generally follows the KOE fault.

In 1985, the grid was upgraded, extended and soil sampled with a VLF-EM survey being completed over its entirety. Extensive rocks float sampling and the cutting of five hand-blasted trenches rounded out the 1985 work.

The result of this work was the outlining of several locales in the 750 meter long are of interest containing high anomalous Ag and reasonably high Au values. Mineralization is generally restricted to narrow seams of pyrite and/or arsenopyrite in variably brecciated chalcedonic quartz rubble found in main fault traces and related fault strands. In-situ mineralization was exposed in trenches as narrow quartz-sulphide veins, trending N15°W and N15°E, in silicified, clay altered and brecciated rhyolite.



KOE CLAIMS
1986 Drilling Area
Figure 3.

Koe Claims

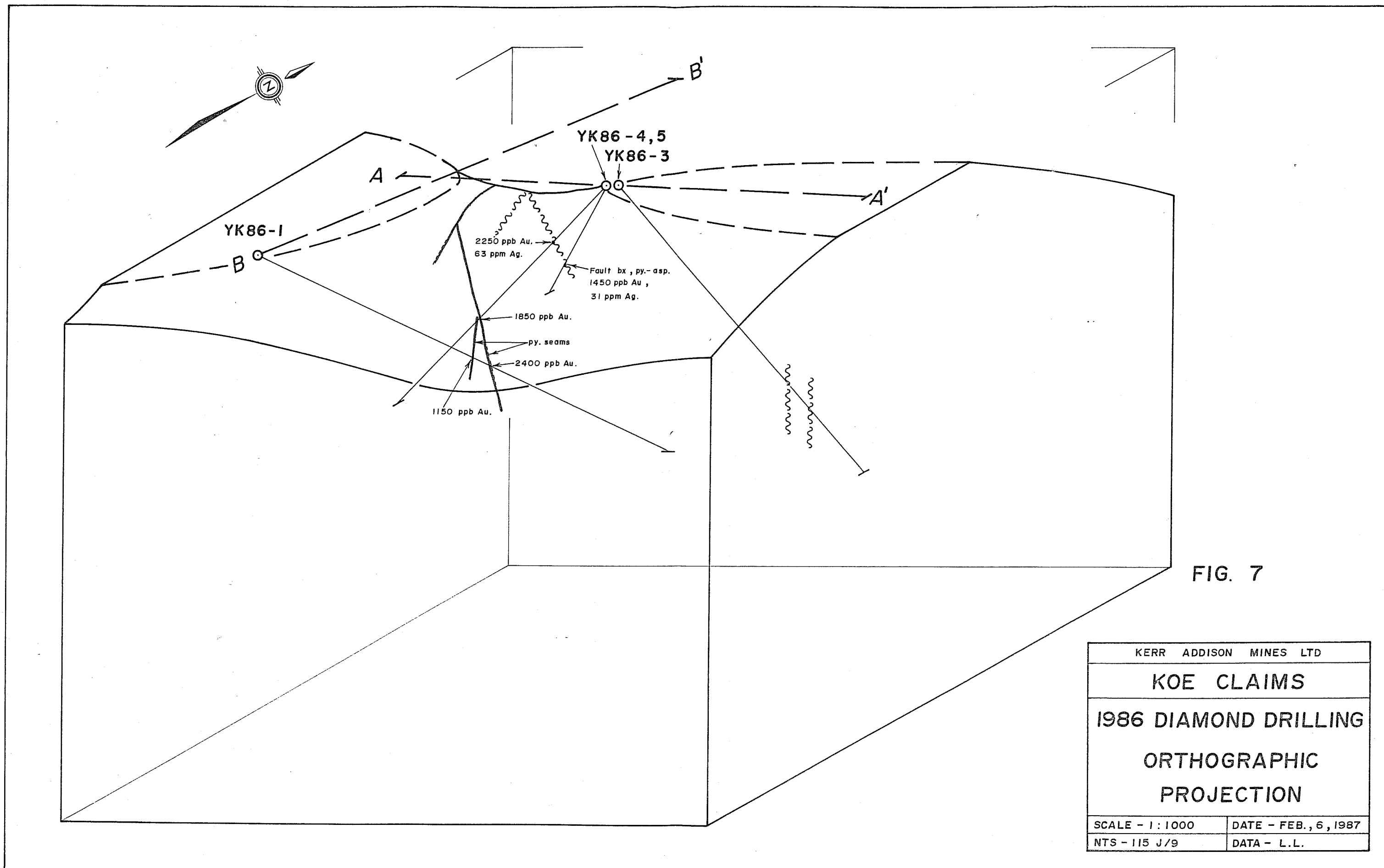
A main zone of interest was outlined where excellent grade float and one fair trench sample (168 gm/T Ag, 4.1 gm/T Au over 35cm) are associated with strong faulting and a well developed soil anomaly across a topographic saddle. (See Figures 3 and 4). The 1986 drilling program was centred in this area.

1986 DRILL PROGRAM

In the period between July 16 and July 28, 1986, Drilcor Industries Ltd., of Delta, B.C. conducted a program of BQ diamond drilling. A total of 443.6 meters were drilled in 5 holes.

The only major problem encountered in the program was a cave in of hole 2 before completion resulting in the loss of the hole and the string of rods. Minor camp and logistical problems arose due to the, at times extreme, adverse weather conditions.

Drill logs, sample intervals and sample results are included in Appendix III. Figure 6 displays vertical sections of all holes except hole 2. Table I contains collar coordinates, azimuths, dips and lengths of all holes.



DRILL HOLE SUMMARIES

(Depths in meters, Ag-ppm, Au-ppb)

DDH YK86-01 (Figure 6, Section B)

Drilled NNE at -45° to intersect KOE Fault Zone.

0 - 2.32	Overburden
2.32 - 20.09	Andesite, local fault gouge
20.09 - 28.7	Zone of alternating granodiorite, andesite and fault gouge, local pyrite-quartz seams, Ag 39.0, Au 180. Possibly a portion of the KOE fault zone.
28.7 - 68.15	Rhyolite Flow with variable alteration and local fault zones and small quartz-pyrite seams. 54.6 - 55.4: Ag 7.8, Au 820.
68.15 - 86.9	Rhyolite Tuff with variable clay and sericite alteration, local faults and quartz-pyrite-arsenopyrite (?) seams. Sample from 78.4 - 79.4: Ag 10.8, Au 1150. 2 samples from 84.91-86.7: Ag 2.0, 20, Au: 400, 2400.
86.59 - 91.46	Fault zone (?), intense limonite and jarosite
91.46 - 118.02	Rhyolite Lapilli Tuff with local quartz-pyrite seams.
118.02- 123.78	Welded Rhyolite Lapilli Tuff
123.78 -131.55	Rhyodacite-Dacite Lapilli Tuff to welded Lapilli Tuff.
131.55 -137.96	Flow Breccia
137.96 -152.44	Rhyodacite Lapilli Tuff.

END OF HOLE

Koe Claim

DDH YK86-02

Drilled easterly at -45° to intersect approx. N-S quartz-sulphide veins found in float and 1985 trenches.

0 - 3.8	Overburden of frozen, extremely broken rock and soil.
3.8 - 12.9	Rhyolite Flow/Tuff, often pyritic
12.9 - 38.1	Rhyolite Tuff- Lapilli Tuff, variably altered
38.1 - 38.25	Granite to Quartz Monzonite, clay altered
38.25 - 50.9	Complex series of Rhyolite, Rhyolite Flows, Tuffs and Lapilli Tuffs.

Rods trapped due to cave-in, hole abandoned.

DDH YK86-03 (Figure 6, section A)

Drilled at same location as hole 2 as a replacement with a slightly more easterly azimuth.

0 - 4.3	Overburden of frozen, extremely broken rock and soil
4.3 - 16.5	Rhyolite Flow/Tuff, often pyritic
16.5 - 41.9	Rhyolite Tuff to Lapilli Tuff with local brecciated sections, quartz stringers and strong alteration
41.9 - 42.1	Rhyolite Tuff to Tuff Breccia
42.1 - 57.8	Rhyolite Tuff to Lapilli Tuff, pyrite commonly in blebs and fractures, local quartz-pyrite seams and strong alteration
57.8 - 58.3	Rhyolite Breccia with massive pyrite in matrix, Ag 56, Au 385.
58.3 - 64.5	Rhyolite Tuff
64.5 - 71.1	Rhyolite Tuff-Breccia with variable silica, Strong clay and limonite alteration and local gouge zones.
71.1 - 85.25	Rhyolite Breccia/Fault Breccia with strong limonite and variable clay and silica alteration. Pyrite is locally disseminated to blebby in matrix. Section is very cavernous with approximately 20% total core recovery. Average of 3 samples from 78.7 - 84.8: Ag 62, Au 240.

Koe Claims

DDH YK86-03 continued

85.25 - 87.8 Rhyolite Tuff, clay altered
87.8 - 111.6 Rhyolite to Rhyodacite Tuff/Flow with local disseminated pyrite and gouge zones.

END OF HOLE

DDH YK86-04 (Figure 6, section A)

Drilled westerly at -45° to intersect approximate N-S quartz sulphide veins found in float and 1985 trenches.

0 - 5.4 Overburden - frozen rubble and soil
5.4 - 11.6 Rhyolite Lapilli Tuff - weathered
11.6 - 17.25 Breccia and Brecciated Rhyolite, strongly clay altered, locally sericite and limonite altered, locally disseminated pyrite.
17.25 - 22.2 Rhyolite Tuff - moderately altered (clay, sericite)
22.2 - 23.4 Breccia with variable silica, clay and limonite alteration and local massive pyrite, arsenopyrite in matrix. Sample from 22.95 - 23.4: Ag 63, Au 2250.
23.4 - 24.6 Rhyolite Tuff, strongly weathered, Ag 8.4, Au 600.
24.6 - 35.2 Rhyolite Lapilli Tuff, variably altered (clay, silica, sericite, limonite).
35.2 - 36.4 Andesite
36.4 - 44.85 Rhyolite Lapilli Tuff, variably altered (clay, silica, sericite, limonite).
44.85 - 51.0 Welded to Flow Banded Rhyolited Lapilli Tuff, local breccia zones. Variable clay, sericite, silica and limonite alteration.
51.0 - 92.7 Rhyolite Lapilli Tuff with variable clay, sericite, silica and limonite alteration and with local pyrite-arsenopyrite seams. 2 samples from 56.55 - 59.0: Ag 22, 1.7, Au 1850, 675:

END OF HOLE

Koe Claims

DDH YK86-05 (Figure 6, section A)

Same location as hole 4. Steepened to -60° to intersect mineralized breccia.

0 - 4.8	Overburden
4.8 - 11.6	Rhyolite Tuff to Lapilli Tuff, strongly weathered.
11.6 - 12.5	Rhyolite Breccia, weathered
12.5 - 26.0	Rhyolite Lapilli Tuff with local clay-rich gouge zones
26.0 - 26.5	Breccia as in hole 4, strong limonite with jarosite and arsenopyrite in matrix. Ag 31.0, Au 1450.
26.5 - 34.0	Rhyolite Lapilli Tuff, variably altered (limonite, clay, jarosite).
34.0 - 34.2	Breccia as 26.0. Ag 12.5, Au 320.
34.2 - 36.0	Rhyolite Lapilli Tuff, variably altered (limonite, clay).

END OF HOLE

END OF 1986 DRILLING

Koe Claims

TABLE I - 1986 KOE Drill Hole Details

<u>HOLE NO.*</u>	<u>FINAL DEPTH</u>	<u>LOCATION</u>	<u>DIP</u>	<u>AZIMUTH</u>
YK 86-01	152.4 m	0+47S 7+22E	-45°	018°
YK 86-02	50.9 m	0+20S 7+99E	-45°	098°
YK 86-03	111.6 m	0+20S 7+99E	-45°	096°
YK 86-04	92.7 m	0+20S 7+96E	-45°	276°
YK 86-05	36.0 m	0+20S 7+99E	-60°	276°
	<u>443.6 m</u>			

* Established by topofil and compass. Co-ordinates are relative to grid origin and orientation.

APPENDIX I

GEOCHEMICAL PROCEDURES

A total of 128 samples of selected split core were taken in the 1986 program. These samples were sent to Chemex Labs Ltd., North Vancouver, B.C., and were crushed and ring pulverized to approximately -140 mesh before being analyzed for Ag and Au using standard trace level analytical procedures. Au was analyzed by Atomic Absorption following Fire Assay pre-concentration.

APPENDIX II
1986 PROGRAM COST STATEMENT
KOE CLAIMS

<u>Labour(days)</u>	<u>Office</u>	<u>Field</u>	<u>Travel</u>	<u>Total</u>	
D. Arscott, Geologist 2275 W. 20th Ave Vancouver, B.C.	6	8	2	16	
L. Lyons, Geologist 3685 W. 11th Ave Vancouver, B.C.	9	11	2	22	
R. Potter, Geologist R R # 1, Fulford Harbour, B.C.	-	3	1	4	
	-----	-----	-----	-----	
	15	22	5	42	
Total wages - 42 days @ \$125/person day =					\$5,250.00
<u>Meals, Field and Camp Supplies</u>					750.00
<u>Air Transportation</u>					
Helicopter - Trans North Turbo Air					\$11,183.00
Fixed Wing					\$11,286.00
<u>Contract Drilling</u>					
Drilcor Ltd., 17-7449 Hume Ave. Tilbury Industrial park, Delta, B.C.					
Coring: 1455 ft. BQ @ \$18.50/ft				\$26,917.	
Casing: 133 ft. @ \$23.50/ft				3,125.	
Materials, camp, field labour, mob & demob				<u>\$14,525.</u>	
					\$44,567.00
<u>Cargo Insurance</u>					600.00
<u>Samples</u> - Chemex Labs Ltd. Brooksbank Ave., North Vancouver, B.C.					
128 samples @ \$12.80(Ag,Au)				\$1,638.40	
Shipping				<u>350.00</u>	
					\$1,988.40
<u>Truck - Lease and fuel</u>					\$1,400.00
<u>Radio, Expediting, Telephone</u>					<u>\$1,500.00</u>
TOTAL PROGRAM COST					\$78,524.40

APPENDIX III

DIAMOND DRILL LOGS

1986 KOE PROJECT

KERR ADDISON MINES LIMITED
 KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

DDH No. YK-86-01 PAGE 4 of 6
 CORE SIZE _____ FINAL DEPTH _____
 STARTED _____ FINISHED _____

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR _____ BEARING _____
 COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		%	GRAPHIC LOG					%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE KIND, DENSITY, ETC.	ASSAYS		
FROM	TO		RECOVERY	ROCK TYPE	ALTERATION	MINERALIZED ZONE	STRUCTURE TO CORE			MOS ₂	VOL. %	MODE OF OCCURRENCE	VOL. %		TYPE MODE OF OCCURRENCE	SAMPLE NO.	% Hg
59.3	59.85	100															
							20	RHYOLITE FLOW as 51.67 loc 3mm q-py str						59.2-60.21	24	1.0	30
59.85	60.21	98						as 51.67, m fr 45°									
60.21	61.28	98						as 51.67									
61.28	65.4	97						gy-greenish, auto brecciated? occas. flames									
														61.28-62.9	26	0.2	<5
														62.9-64.1	27	0.1	<5
														64.1-65.4	28	0.2	5
65.4	66.77	100						as 61.28, bedding 45°, m fr 25°									
														65.4-66.77	29	0.2	<5
66.77	67.99	100						as 61.28, broken, i fr 35, 50°									
67.99	68.14						35°	FAULT									
68.14	71.09	100						RHYOLITE TUFF pale gy-gn, crudely bedded var broken, in fr 35, 50°									
														68.3-69.8	31	0.5	<5
														69.8-71.2	32	0.7	<5
														71.2-72.7	33	1.4	15
														72.7-74.2	34	3.0	<5
71.09	71.65	90						as 68.14									
														74.2-77.2	36	1.1	5
71.65	79.12	100						as 68.14									
								78.82 - 4, 35° veinlets of py + bk min (Asg?) over true width of 6cm, w fr 35°									
														77.2-78.4	37	0.9	<5
														78.4-79.4	38	10.8	1150
79.12	84.91	100						gy-gn, loc. welded tuff, w-s fr 35-45°									
														79.4-80.9	39	1.5	<5

KERR ADDISON MINES LIMITED

#350

DDH No. YK-86-01 PAGE 5 of 6
 CORE SIZE _____ FINAL DEPTH _____
 STARTED _____ FINISHED _____

KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR _____ BEARING _____
 COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		%	GRAPHIC LOG				%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE	ASSAYS	
FROM	TO		RECO-VERY	ROCK TYPE	ALTERATION	MINERALIZED ZONE			STRUCTURE TO CORE	VOL. %	MODE OF OCCURRENCE	VOL. %	TYPE MODE OF OCCURRENCE	KIND, DENSITY, ETC.	SAMPLE NO.
84.91	85.46	100					RHYOLITE TUFF as 79.12 pale gn fragments; w fr. 35° 25° 85.24 - qz-py seam, 0.5 cm				W-mcl.	84.91-85.6	40	2.0	400
85.46	85.96	100					as 79.12				W-mcl + lim	85.6-86.7	41	20	2400
85.98	86.53	100					as 79.12, m fr 35, 45 common py-Mn seams		Mn common		S. ser				
86.59	91.46	80				20° ?	FAULT ZONE ? i. fr to crumbly				L lim, jar.	86.7-87.7 87.7-89.2 89.2-90.7 90.7-91.46	42 43 44 45	5.2 1.5 3.2 3.2	115 15 50 110
91.46	105.61	100					RHYOLITE LAPILLI TUFF subrounded to subangular gy porphyritic fragments in gy-bn matrix Some flames at 20-45°. loc. well layered, m fr 30, 45, 60° 35° 97.7 - qz-py str, 0.5 cm 20° 101.3 - qz py str 4mm		loc. py in str		var. cl.	97.3-98.1	46	1.0	30
												100.85-101.7 102.7-103.7 103.7-105.2 105.2-106.0	47 48 49 50	1.3 1.3 0.4 0.9	50 15 10 15
105.61	118.02	08					as 91.46, loc broken, m-s fr 10, 45, 60° 25° 107.7 - qz, py vn 5mm 109.5-110.8 - br zone, lim, hem		loc py in str.			107.4-108.3 109.5-110.8	51 52	1.7 1.2	80 20
118.02	123.74	100					RHYOLITE WELDED LAP. TUFF sand bn, subangular frags in wavy pale bn matrix, bedding at 45° occas. qz seams, w fr. 40-45, 70				W cl.				

KERR ADDISON MINES LIMITED

#355

DDH No. YK-86-01 PAGE 6 of 6
 CORE SIZE _____ FINAL DEPTH _____
 STARTED _____ FINISHED _____

KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR _____ BEARING _____
 COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		%	GRAPHIC LOG				%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE	ASSAYS		
FROM	TO		RECO- VERY	ROCK TYPE	ALTER- ATION	MINERA- LIZED ZONE			STRUC- TURE TO CORE %	MoS ₂	VOL. %	MODE OF OCCURRENCE	VOL. %	TYPE MODE OF OCCURRENCE	KIND, DENSITY, ETC.	SAMPLE NO.
123.98	126.83	100											125.5 - 126.6	53	0.4	5
							RHYODACITE(?) LAP. TUFF - pale gy felsic frags in d.gy, extremely f.g. Hard. (elsewhere mapped variously as "bk R" or "sil. A")		blebs py common							
							* NOTE: core mislabeled - 1m lost between 125.9 and 128.9									
126.83	128.66	45*					DACITE (?) LAP. TUFF TO WELDED TUFF - pale gn and wh angular to rounded frags in pale gn mas. to irreg. flow laminated matrix									
128.66	131.55	100					RHYODACITE (?) LAP. TUFF as 123.78									
131.55	137.96	100					FLOW BRECCIA Heterogeneous. Subrounded laminated R clasts to 3cm, subangular, cream clasts to 1cm, both in low var. quantities in W.P. to flow laminated matrix var fr, W-i 45, 70									
137.96	152.44	100					RHYODACITE LAP. TUFF as 173.78, S fr 45, 60, 35°						146.6 - 147.6	54	0.2	45

KERR ADDISON MINES LIMITED

KOE PROPERTY - Y08
DIAMOND DRILLING - 1986

DDH No. KE-86-02 PAGE 2 of 5
CORE SIZE BQ FINAL DEPTH _____
STARTED 20/07/86 FINISHED 21/07/86

LATITUDE _____ DEPARTURE _____
DIP AT COLLAR -45 BEARING 098
COLLAR ELEV. ~5400' LOGGED BY L.L.

FOOTAGE		%	GRAPHIC LOG				%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE KIND, DENSITY, ETC.	ASSAYS		
FROM	TO		RECO- VERY	ROCK TYPE	ALTER- ATION	MINERAL- IZED ZONE			STRUC- TURE TO CORE	VOL. %	MODE OF OCCURRENCE	VOL. %		TYPE MODE OF OCCURRENCE	SAMPLE NO.	%
12.9	14.35	100				20.45, 60	RHYOLITE TUFF ... more siliceous m. fr., more lap. size fragments				m-s, sil.					
14.35	14.7	100				45, 60	RHYOLITE TUFF - LAPILLI TUFF - mottled gn, gy, pale gn, moderately soft, m. fr. - majority frags are pale gy and angular.		Pyrite on fr.		lim on fr. m. cl. + ser.					
14.7	15.7	100				10-35	- as 12.9, more pale gn towards lower contact. m. fr.				m-s, sil.					
15.7	17.1	100					- buff-light gy - light gn, sub- ang. heterolithic fragments, very mottled appearance				lim on fr. m. cl. + ser.					
17.1						35	- irreg. hem. lim. filled fr.									
17.1	17.9					35-45	as 15.7 - more hem + lim in fr. and patches.				"					
17.9	20.8					"	- as 15.7 with less lapilli frags. and more lim. m-s fr., loc. weathered py flow str. at 35° occas. hem. filled fr. at 35°		weathered py loc.		s. lim. m. cl. + ser.					

KERR ADDISON MINES LIMITED

#355

DDH No. KF-86-02 PAGE 3 of 5
 CORE SIZE PR FINAL DEPTH _____
 STARTED 20/07/86 FINISHED 21/07/86

KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR _____ BEARING _____
 COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		%	GRAPHIC LOG				%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE	ASSAYS			
FROM	TO		RECOVERY	ROCK TYPE	ALTERATION	MINERALIZED ZONE			STRUCTURE TO CORE	MoS ₂	VOL. %	MODE OF OCCURRENCE	VOL. %	TYPE MODE OF OCCURRENCE	KIND, DENSITY, ETC.	SAMPLE NO.	%
20.8	29.9	~100															
						45-60	KHYLLITE TUFF - LAMPILL TUFF - buff, light gn-gy, heterolithic ang-sub rounded fragments of variable size, locally banded at 35-60°, m-fr.	1-2	pyrite on local fr. occas. weathered to lim. locally diss to blebby		m-s. cl + ser. s. loc. lim.						
29.9	33.1	100				20-45	- light grey/gn, less larger sized clasts than 20.8, zeo. occas. in fr. with lim, m.fr.		py-loc. blebs.		s/lim on fr. m-s. sil. m-cl. loc. ± ser.						
33.0	33.33 33.0	100				20-80	- as 29.9 more limonitic, siliceous str. at 25°		py. loc. blebs.		s. lim m-cl.						
33.35	33.40	100				40	FRACTURES - surrounded by soft altered zone, Mn, Mn and some breccia fragments within fr.		Mn + py around fracture zone.		s. cl. m. lim						
33.4	33.65	100					as 29.9 with larger altered and limonitic clasts				m-s. cl. m. loc. lim.						
33.65		100				40	- buff to yellow siliceous str.										
33.65	34.5	100				40	- as 33.0, pavitovs qz-lem str. at 34.1										
34.5	34.6	100				45	- as 33.0 with lim. brecciated fr.; gony		weathered py.		s. cl. + ser. s. lim in fr.						

KERR ADDISON MINES LIMITED
 KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

DDH No. KF-86-02 PAGE 4 of 5
 CORE SIZE BQ FINAL DEPTH _____
 STARTED 20/07/86 FINISHED 21/07/86

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR -45 BEARING 198
 COLLAR ELEV. _____ LOGGED BY L.L.

FOOTAGE		%	GRAPHIC LOG				%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE	ASSAYS			
FROM	TO		RECO- VERY	ROCK TYPE	ALTER- ATION	MINERA- LIZED ZONE			STRUC- TURE TO CORE	MoS2	VOL. %	MODE OF OCCURRENCE		VOL. %	TYPE MODE OF OCCURRENCE	KIND, DENSITY, ETC.	SAMPLE NO.
34.6	34.85	100															
34.85	35.0					15	RHYOLITE TUFF - buff to lgt. bn. f.-m.g., limonitic					s. lim. m. ser. + cl.					
35.0	38.0	90				45.8	RHYOLITE TUFF - LAPILLI TUFF - as 33.0					loc. hem slim around fr.					
38.0	38.1	100					RHYOLITE TUFF - buff weathered, black, m. fr., indistinct contacts.					s. weathering m. cl. lim on fr.					
38.1	38.25	100				25	GRANITE - QZ MONZONITE - very altered, m.-c.g., 10-20% qz grains, ~ 10% mafics (altered to lim), 70% feldspars (s. clay alt)					s. cl. s. loc. lim.					
38.25	38.45					35	RHYOLITE - RHYOLITE TUFF - as 38.0, gy-gy/grn, m.g., ave. clast size < 1mm, occas. qz-lim str.					lim on fr. m-s. cl. + ser.					
38.45	38.9					35-45	- as 38.25, s. lim, m-s. fr.					s. lim.					
38.9	40.4					35-45	- as 38.25, pale gn with dk gn specks (clasts), m. fr.					py. on fr. and blebs occas.					
40.4	40.6					50	RHYOLITE FLOW - pale gn to bright red hem. stained, irreg flow patterns and clasts m. fr at 35°					py. in blebs and in fr. 35°					
						70						s. hem s. lim m-s. cl. % ser.					

KERR ADDISON MINES LIMITED
KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

#385

DDH No. YK-86-03 PAGE 2 of 8
 CORE SIZE _____ FINAL DEPTH _____
 STARTED _____ FINISHED _____

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR _____ BEARING _____
 COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		%	GRAPHIC LOG					%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE	ASSAYS		
FROM	TO		RECO-VERY	ROCK TYPE	ALTERATION	MINERALIZED ZONE	STRUCTURE TO CORE			MoS ₂	VOL. %	MODE OF OCCURRENCE	VOL. %		TYPE MODE OF OCCURRENCE	KIND, DENSITY, ETC.	SAMPLE NO.
17.6	17.8	100															
					fr.	45-50		BRECCIATED ZONE - common fr. brecciate tuff				lim. fr.					
17.8	25.05	100						- as 16.5				m-s. lim. loc.					
	19.3				vn.	40		gz str. - 4mm blebby lim		loc. py in str.		perv. and on fr.					
	20.0				vn.	40		gz str. - 5mm loc. drusy and brecciated, lim									
					fr.	30-45		m. fr., gyp. occas. in irreg str.					19.0 - 20.2	04	0.4	35	
25.05	26.0	100						- gn - pale gr + gy, mottled, loc. very soft to crumbly, m. fr.				s. ser. cl. m. sil. lim. loc. on fr.	25.05 - 26.0	05	0.1	45	
26.0	26.4	100						as 16.5 - more limonitic perv. and on fr., gyp. on fr. occas.				s. lim m. cl.					
26.4	32.8	~100						as 16.5 - lim. loc. perv. and on fr. occas. gyp. in irreg. str. m-s. fr. loc. blocky - loc. primary brecciation and siliceous fr. fillings				m-s. lim m-s. cl ± ser.	31.3 - 32.8	06	2.2	15	
32.8	33.0	100						RHYOLITE TUFF - limonitic + hematitic, lithic size clasts. m-s. primary fr.				s. lim + hem.					

DDH No. 11-EL-03 PAGE 6 of 8
 CORE SIZE KG FINAL DEPTH _____
 STARTED 21/07/86 FINISHED 23/07/86

KERR ADDISON MINES LIMITED
KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR _____ BEARING _____
 COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		%	GRAPHIC LOG					%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE	ASSAYS		
FROM	TO		RECO- VERY	ROCK TYPE	ALTER- ATION	MINERA- LIZED ZONE	STRUC- TURE TO CORE			MoS ₂	VOL. %	MODE OF OCCURRENCE	VOL. %	TYPE MODE OF OCCURRENCE	KIND, DENSITY, ETC.	SAMPLE NO.	% Flg
57.6	58.3	100							RHYOLITE BRECCIA - gy, gn, rhyolite clasts to 2cm	to 50'	py. massive to blebby in matrix and fr.	lim. in fr. m.s. sil. loc. hem.	57.5 - 58.4	21	56	385	
58.3	64.5	100							RHYOLITE TUFF pale gy-gn to m.gy, lithic to massive to flow banded irregularly, s. fr. to loc. broken			m. ser. loc. w. sil. hem. + lim. in fr.	63.0 - 64.5	22	0.8	45	
64.5	65.65	100							RHYOLITE TUFF to BRECCIA pale gy-m.gy, s. fr., mass. tuff to brecciated tuff, heterolithic clasts from 1mm to 2cm			s. sil. s. sil. lim. on fr. m. jar.?	64.5 - 65.5 65.5 - 66.6 66.6 - 67.7	23 24 25	4.4 0.5 3.3	150 10 45	
65.65	65.9	100							GOUGE - BRECCIA - rhyolitic clasts			s. lim, jar? s. cl.					
65.9	66.8	100							RHYOLITE TUFF - BRECCIA as 64.5, s. fr. to gouge + crumbled rock			m. jar? s. cl. s. sil. of rhyolite					
66.8	67.2	100							as 64.5, more gouged + crumbled								
67.2	67.4	100							as 65.9								
67.4	67.7	100							as 66.8								
67.7	69.5	90							pale gy - d. gy, loc. gangy, broken, occas. Mn on fr.			s. lim. s. cl. loc. m. sil. loc. occas. hem. on fr.	67.7 - 69.0 69.0 - 71.1	26 27	1.0 1.6	10 25	

KERR ADDISON MINES LIMITED
 KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

DDH No. YK-86-03 PAGE 7 of 8
 CORE SIZE PC FINAL DEPTH 111.6
 STARTED 21/07/86 FINISHED 23/07/86

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR _____ BEARING _____
 COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		%	GRAPHIC LOG					%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE	ASSAYS		
FROM	TO		RECO-VERY	ROCK TYPE	ALTERATION	MINERALIZED ZONE	STRUCTURE TO CORE			MDS ₂	VOL. %	MODE OF OCCURRENCE	VOL. %	TYPE MODE OF OCCURRENCE	KIND, DENSITY, ETC.	SAMPLE NO.	% Fg
69.5	71.1	40						as 67.7, broken				s. lim.					
												m. sil.	71.1 - 77.2	28	0.5	15	
												w. cl.					
71.1	74.1	5						RYHOLITE BRECCIA buff to pale gy, broken, clasts to 2cm, 70-90% clasts	Mn			m. cl.					
												lim. on fr.					
74.1	77.2	10			fr	40		as 71.1				m.-s. lim.					
77.2	78.7	25						BRECCIA - pale gy-gn, broken, loc. crumbly and congy, rhyolitic clasts and siliceous matrix, clasts to 2cm				s. lim.	77.2 - 78.7	29	0.8	40	
												loc. m. cl.					
78.7	80.2	40						as 77.2, partially cavitous with banded siliceous matrix				s. sil. of matrix loc.	78.7 - 80.2	30	3.5	200	
												m.-s. cl.					
80.2	81.7	13						as 78.7, irreg. broken	py. diss to 10% loc.								
81.7	84.8	25						less blocky, very siliceous matrix	py. diss. to blebby loc.			loc. s. lim.	80.2 - 81.7	31	6.9	170	
									d. bluish gy f.g. mineral loc. in irreg. patches and str. in matrix			loc. cl. sil.	81.7 - 84.8	32	8.1	345	
84.8	85.1							as 77.2, broken to gouge				s. lim.	84.8 - 85.25	33	1.1	10	

KERR ADDISON MINES LIMITED
 KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

DDH No. YK-86-03 PAGE 8 of 8
 CORE SIZE 4 1/2 FINAL DEPTH 111.6
 STARTED 21/02/86 FINISHED 23/07/86

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR _____ BEARING _____
 COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		%	GRAPHIC LOG					%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE KIND, DENSITY, ETC.	ASSAYS		
FROM	TO		RECO- VERY	ROCK TYPE	ALTER- ATION	MINERA- LIZED ZONE	STRUC- TURE TO CORE			MoS ₂	VOL. %	MODE OF OCCURRENCE	VOL. %		TYPE MODE OF OCCURRENCE	SAMPLE NO.	% Ag
85.1	85.25							GOUGE clay rich gouge with rhyolite clasts.				s.c.l.					
85.25	87.8	100						RHYOLITE TUFF pale gy-gn to d. gy-gn to purplish, s.fr. to broken, loc. crumbly and gougy, wh. soft gougy mineral in loc. irreg. seams, loc. lapilli size clasts, pale yellow gouge common.				s.c.l.	85.25 - 86.3 86.3 - 87.8	34 35	0.6 0.3	45 45	
87.8	90.9	100						RHYOLITE - RHYODACITE TUFF / FLOW m-d. gy to pale bn, mottled siliceous, m. fr., loc. gougy fr., loc. gyp. seams, loc. w.p.				lim. near and in fr. loc.	87.8 - 89.3	36	0.3	5	
90.9	91.2	100						crumbled + gougy				Mn loc.					
91.2	91.9	100						as 87.8				Mn on fr.					
91.9	92.4							as 90.9									
92.4	111.6							as 87.8, loc porphyritic, n.s. fr.				py - cliss to blocky loc.	92.4 - 93.9 100.0 - 101.5 107.6 - 109.1	37 38 39	0.2 0.3 0.4	10 45 15	

fr 35.4 -
fr 35.9 - 80

KERR ADDISON MINES LIMITED
 KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

DDH No. YK-86-04 PAC: 145
 CORE SIZE BQ FINAL DEPTH 92.7
 STARTED 23/07/86 FINISHED 25/07/86

LATITUDE 0+20 S DEPARTURE 7+96 E
 DIP AT COLLAR -45° BEARING 276
 COLLAR ELEV. _____ LOGGED BY LL

FOOTAGE		%	GRAPHIC LOG					%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE KIND, DENSITY, ETC.	ASSAYS		
FROM	TO		RECO- VERY	ROCK TYPE	ALTER- ATION	MINERA- LIZED ZONE	STRUC- TURE TO CORE			MoS ₂	VOL. %	MODE OF OCCURRENCE	VOL. %		TYPE MODE OF OCCURRENCE	SAMPLE NO.	% Ag ppm
0	5.4	17						OVERBURDEN RUBBLE									
								RHYOLITE TUFF LAPILLI TUFF s.fr. + lim. broken				m.sil. s.lim.					
5.4	6.9	20						RHYOLITE LAPILLI TUFF - pale gy/bn, weathered s.fr., lim, broken.				s.lim. m.cl., sil.					
6.9	8.5	25						as 5.4 with gougy sections containing tuff fragments				s.lim mcl., sil.					
8.5	11.6	10						as 5.4, broken + rolled pieces									
11.6	14.6	50						BRECCIA & GOUGE rhyolitic fragments in lim. matrix gouge and clay matrix.				s.lim. loc. cl.					
	14.6							BRECCIA - creamy yellow clay rich matrix rhyolitic fragments to 5mm.				l.cl.	13.6-14.6	YK 0401	0.9	45	
14.6	14.75	100					cl. 12	- m. gy/gn matrix, rhyolitic gy fragments, true width 2-5cm	nl.	cliss-pyrite v.f.g.		m.lim. in irreg. fr., i ser + cl.	14.6-16.00	02	3.5	40	
14.75	17.25	100						BRECCIATED RHYOLITE - pale - m. gy/gn rhyolite-rhyolite lapilli fragments in s.lim. matrix, loc. fr. are cavitous gougy cl. sections loc. fr. 75-85.				s.loc. cl. s.lim.	16.00-17.25	03	1.8	5	

KERR ADDISON MINES LIMITED

DDH No. YK-91a-04 PAGE 3 of 5
 CORE SIZE _____ FINAL DEPTH _____
 STARTED _____ FINISHED _____

KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR _____ BEARING _____
 COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		% RECOVERY	GRAPHIC LOG				% MnS ₂	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE KIND, DENSITY, ETC.	ASSAYS		
FROM	TO		ROCK TYPE	ALTERATION	MINERALIZED ZONE	STRUCTURE TO CORE			VOL. %	MODE OF OCCURRENCE	VOL. %	TYPE MODE OF OCCURRENCE		SAMPLE NO.	% Ag	% Au
35.2	41.4	100			c.	60	ANDESITE - m. dk. gn. m.g. mass. to w.p. with subhedral, 1-3 mm, feldspar phenocrysts, s. magnetic, m.s. fr.		f.g. diss. py.		m.cl. s.lim. m. fr.					
36.4	40.05	100					RHYOLITE LAPILLI TUFF as 31.4 w-m.p.		Py- loc. diss. Mn on fr.		var. cl. + ser.	36.4 - 37.9	10	0.3	45	
40.05	41.2	100			f. 5-25	45-75	pale gn-bn-m.bn, s. fr., lim-hem + gyp. in irreg. fr., w-m.p.				m.sil. w-m.cl. ser					
41.2	44.85	100			f.	45	dk. gy to dk. bn, m.s. fr., lim on fr., m.p., flow textures ~50-55°				s.sil. w.cl, mlim loc.					
44.85	47.9	100			f.	45-55	WELDED - FLOW BANDED LAP. TUFF. - pale-m. gy/gn, partially welded to flow banded 65-75° m. fr.				m.cl. sil. ser m.-s. lim.	45.7 - 47.2	11	4.2	50	
	46.4					60	limonitic brecciated vein, rhyolite fragments, lim matrix 1.5 cm									
47.9	48.1	100					- pale yellow, lim fr.				s.cl. m. lim ? jar?					
48.1	48.4	100					as 44.85									
48.4	48.45	101				45	BRECCIA Siliceous rhyolitic breccia with bright red stains (hem?) 5mm lim on upper contact - slickensides				m.cl. m.-s. lim, sil hem?	48.1 - 49.1	12	0.5	45	

KERR ADDISON MINES LIMITED

#355

DDH No. YK-96-04 PAGE 4 of 5
 CORE SIZE _____ FINAL DEPTH _____
 STARTED _____ FINISHED _____

KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR _____ BEARING _____
 COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		% RECOVERY	GRAPHIC LOG				% MoS ₂	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE	ASSAYS	
FROM	TO		ROCK TYPE	ALTERATION	MINERALIZED ZONE	STRUCTURE TO CORE			VOL. %	MODE OF OCCURRENCE	VOL. %	TYPE MODE OF OCCURRENCE	KIND, DENSITY, ETC.	SAMPLE NO.	% Ag
48.45	50.8	100					as 49.85					50.4 - 51.4	13	0.7	60
50.8	51.0	100			c.	60	PRECIPITATED RHYOLITE s. lim matrix, partly gassy				s. lim.				
51.0	53.4	100					RHYOLITE LAP. TUFF pale gy/gn to mod. gy/gn, m.-s. fr.				w-m var. cl. w-m sil. lim on fr. (4 in?)	51.4 - 53.4	14	0.1	45
53.4	55.65	100					pale gy/gn, m. gy/gn to bn, mottled, m.-s. fr. loc lim + hem.				loc. hem. m.-s. sil. m.-s. lim.				
55.65	56.55	100					as 51.0					55.65 - 56.55	15	0.8	25
56.55	57.4						as 51.0 with pyritic veins and str.					56.55 - 57.4	16	22	1850
	56.6 - 56.8					50	py + dark gyl mineral (Aspy), 40% of section								
	56.8 - 57.4					50	13 py str from 1mm to 5mm, loc. hem.								
57.4	59.2	100					as 51.0, loc. hem, loc. brecciation		mn on fr.		loc. s. cl. w-m sil. lim on fr.	57.4 - 59.0	17	1.7	675
59.2	60.2						pale gy-gn, s. fr., occas. gyp. seam occas. lim.				s. cl. + ser. m. chl, w. lim loc.				
60.2	62.5						pale gy-gn, m. fr., gyp. in irreg. to reg. fr.	1-2	py diss and in small fr.		m. cl, ser. var. lim.	60.4 - 61.9	18	1.0	60
62.5	63.1						pale-gy-gn mottled with lim, m. fr.	tr.	py diss		m.-s. sil. w-m cl.				

KERR ADDISON MINES LIMITED

#355

DDH No. YK-26-04 PAGE 5 of 5

CORE SIZE _____ FINAL DEPTH _____

STARTED _____ FINISHED _____

KOE PROPERTY - Y08
DIAMOND DRILLING - 1986

LATITUDE _____ DEPARTURE _____

DIP AT COLLAR _____ BEARING _____

COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		%	GRAPHIC LOG				%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE	ASSAYS		
FROM	TO		RECOVERY	ROCK TYPE	ALTERATION	MINERALIZED ZONE			STRUCTURE TO CORE	MOS ₂	VOL. %	MODE OF OCCURRENCE	VOL. %	TYPE, MODE OF OCCURRENCE	KIND, DENSITY, ETC.	SAMPLE NO.
63.1	63.45	100														
							as 62.5 s.fr. to crumbly					s. cl.				
63.45	66.1	100					as 62.5, occas. gyp seam	tr.	py. diss. loc.			loc. s. cl.				
66.1	66.8	100					as 62.5, s.fr. to crumbly	tr.	py. diss. loc.			s. cl.				
66.8	72.7	100					as 66.1 loc. s. lim., brecciated fr. loc. black specks throughout (Mn, K?) qz-assy-lim str. in fr. 1cm zone		assy			loc. m. cl.	67.5 - 68.5	19	4.0	150
	68												71.1 - 72.2	20	0.9	10
72.7	73.0	100					s. fr. to brecciated, s. lim., s. hem and common bright pink mineral					s. lim. w. cl.	72.5 - 73.2	21	0.4	5
73.0	82.0	100					as 66.8, occas. qz-py-lim str.		occas. py in str.							
82.0	83.25						pale gy-gn - pale yellow, i. fr. to loc. crumbly					m-s cl. juv?	76.7 - 78.2	22	1.3	110
													81.3 - 82.5	23	0.1	5
83.25	92.7	100					as 66.8, loc. i. fr., mottled bn with lim.		loc. Mn on fr. py in loc. str.			loc. s. cl.	83.2 - 84.5	24	0.7	10
													89.3 - 90.3	25	0.6	15

KERR ADDISON MINES LIMITED
 KOE PROPERTY - Y08
 DIAMOND DRILLING - 1986

DDH No. YK-86-05 PAGE 2 of 3
 CORE SIZE _____ FINAL DEPTH _____
 STARTED _____ FINISHED _____

LATITUDE _____ DEPARTURE _____
 DIP AT COLLAR _____ BEARING _____
 COLLAR ELEV. _____ LOGGED BY _____

FOOTAGE		%	GRAPHIC LOG					%	DESCRIPTION	MINERALIZATION		ALTERATION		STRUCTURE KIND, DENSITY, ETC.	ASSAYS		
FROM	TO		RECOVERY	ROCK TYPE	ALTERATION	MINERALIZED ZONE	STRUCTURE TO CORE			MoS ₂	VOL. %	MODE OF OCCURRENCE	VOL. %		TYPE MODE OF OCCURRENCE	SAMPLE NO.	% Ag
12.5	15.9	95										i. lim. loc. s. cl.	14.6-16.2	04	0.9	25	
15.9	17.7	50										"					
17.7	19.2	~100										"	18.5-19.7	05	3.9	160	
19.2	19.3						50					s. cl., loc. sil.					
19.3	20.8	~100										s. lim. loc. s. cl.	19.7-21.2	06	0.6	25	
20.8	21.5	~100				fr	70					"	21.2-22.7	07	0.4	5	
21.5	22.4	~100										"					
22.4	23.7	45										s. cl., fin.					
23.7	24.0	100										m. lim, m. cl. s. jar.					
24.0	26.0	100										"	25.0-26.0	08	0.3	40	
26.0	26.5	100				c.	70					s. lim, jar	26.0-26.7	09	31.0	1450	
									2-5		Aspy - blebby - irreg.						

APPENDIX IV

REFERENCES

- Arscott, D., et.al., 1984; Geological Report of the KOE Claims; Kerr Addison Mines Ltd., In House Report.
- Arscott, D., 1985; 1985 Program - KOE Claims; Kerr Addison Mines Ltd., In-House Report.
- Wheeler, J.O., 1961; Whitehorse Map Area, Yukon Territory; Geol. Surv., Canada. Memoi 312

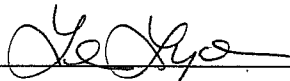
APPENDIX V

QUALIFICATIONS STATEMENT

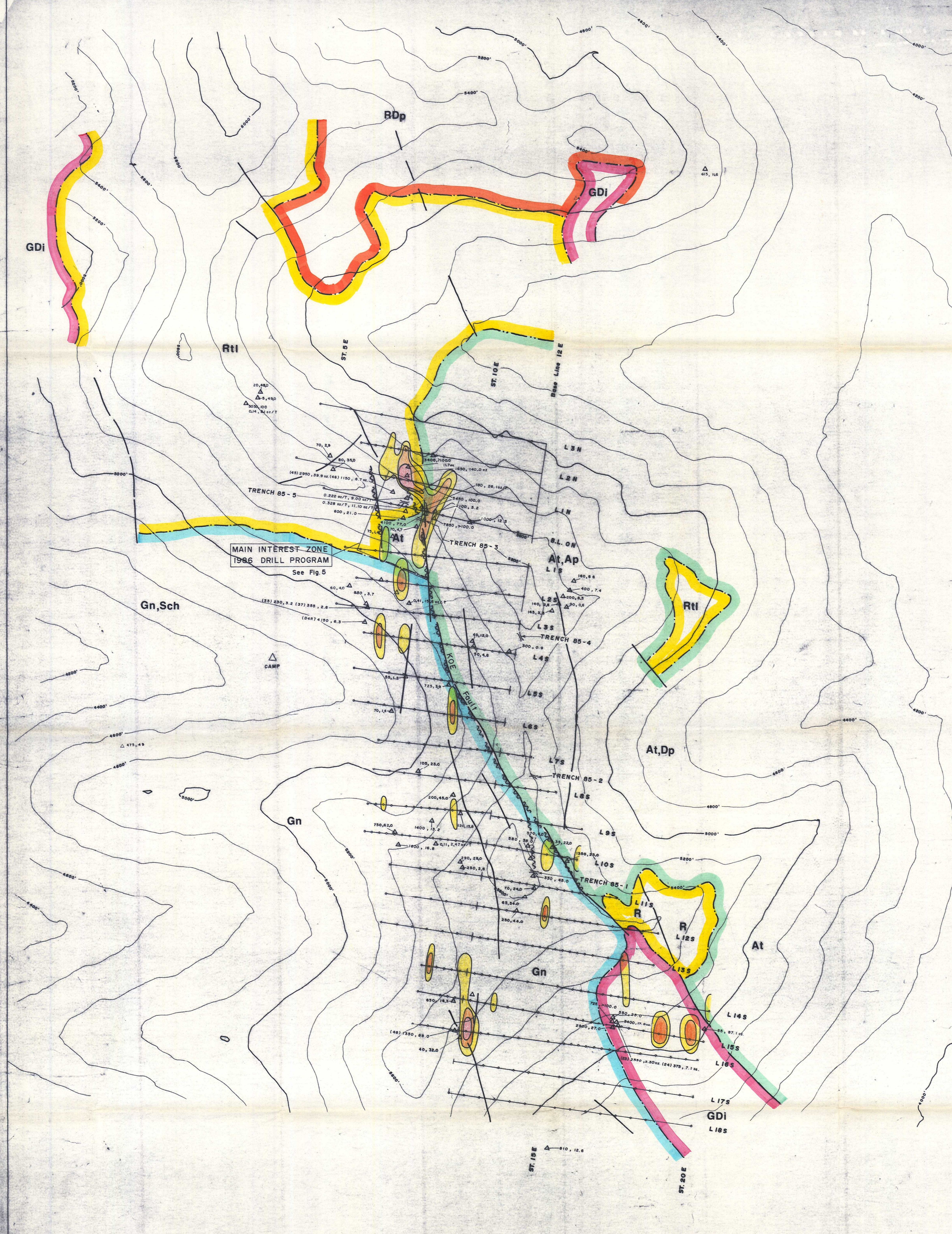
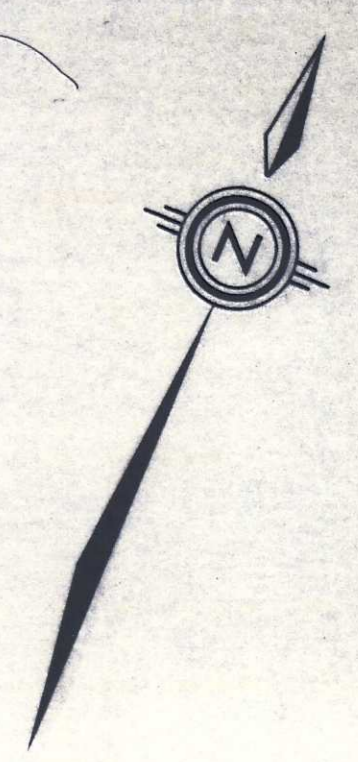
I, Leslie M. Lyons, hold a Bachelor of Science, Geology Degree from the University of British Columbia, Vancouver, having obtained it in April, 1984.

I have had 6 years experience in mineral exploration in the Canadian Cordillera.

I was actively involved in the fieldwork on the KOE Claims in 1986.



Leslie M. Lyons



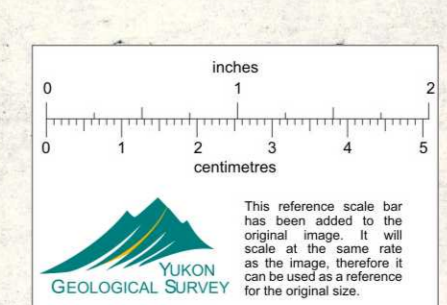
- R Rhyolite
- RD Rhyodacite
- A Andesite
- RtI Lapilli tuff
- p Porphyritic
- Gn, Sch Gneiss, Schist
- GDi Granodiorite

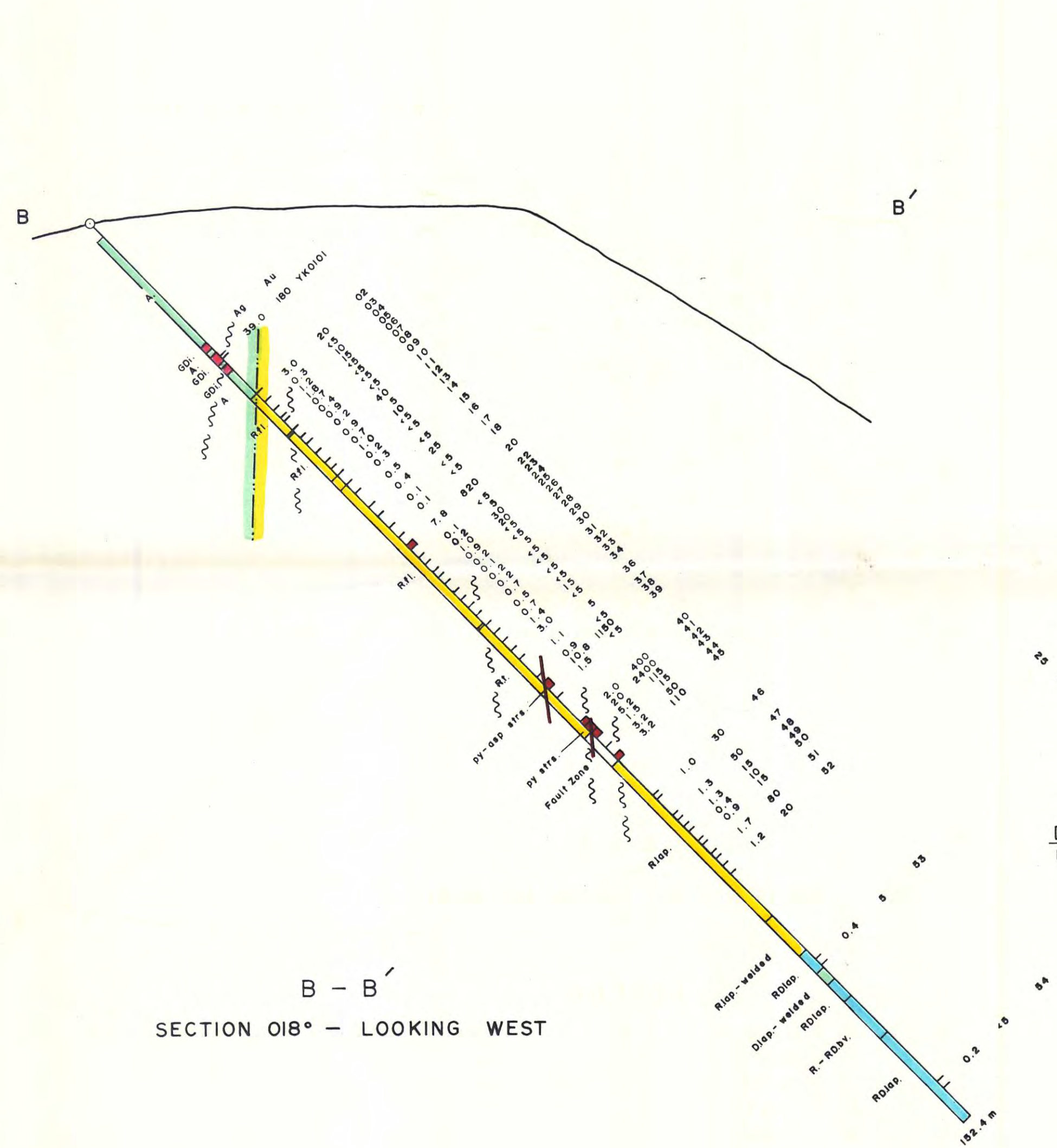
- Fraser Filtered VLF-EM Conductor
- Anomalous Rock Samples (>50 Au ppb, >10 Ag ppm) - 1984 & 1985
- Anomalous Soil Samples Au (50-100, 100-500, >500 ppb)

FIG. 4



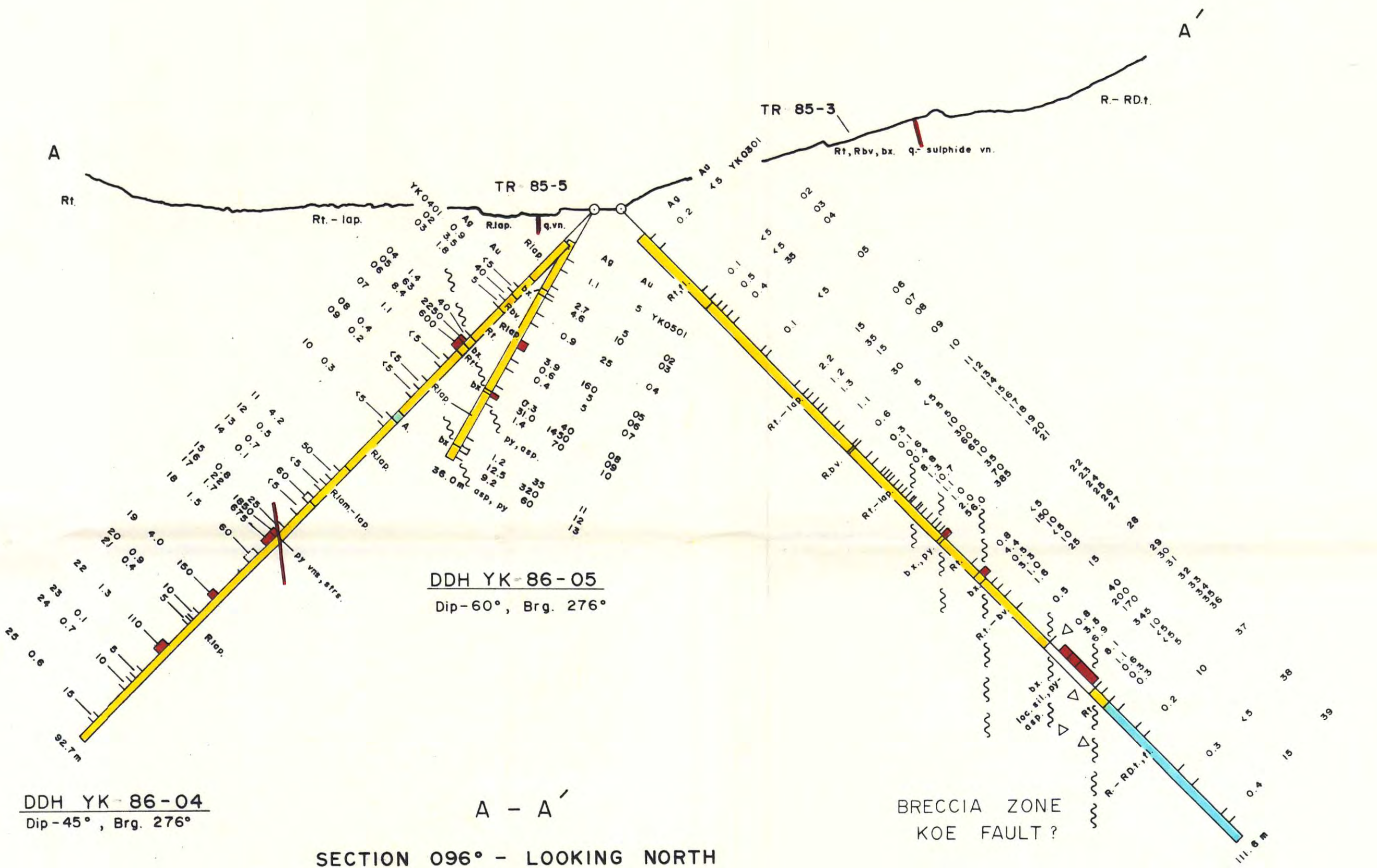
KERR ADDISON MINES LTD	
TARGET 18	
KOE CLAIMS	
COMPILATION MAP	
VLF-EM, Au - Ag ROCK & Au SOIL GEOCHEMISTRY	
SCALE - 1:5 000	DATE - AUGUST, 1985
DRAWN BY - P.H.	DATA - F.D.
NTS - 115 J 9	REVISED - OCT. 1985





B - B'
SECTION 018° - LOOKING WEST

DDH YK-86-01
Dip - 45°, Brg. 018°



SECTION 096° - LOOKING NORTH

DDH YK-86-04
Dip - 45°, Brg. 276°

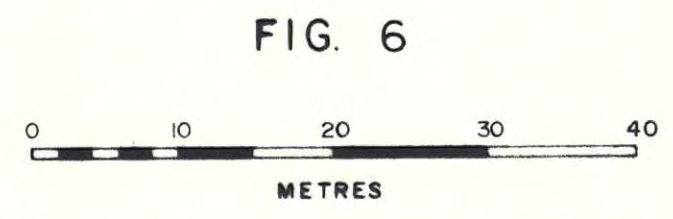
DDH YK-86-05
Dip - 60°, Brg. 276°

DDH YK 86-03
Dip - 45°, Brg. 096°

BRECCIA ZONE
KOE FAULT?

LEGEND			
GDI.	Granodiorite	q.	Quartz
R	Rhyolite	py.	Pyrite
RD	Rhyodacite	asp.	Arsenopyrite
D	Dacite	sil.	Silicified
A	Andesite	loc.	Local
t.	Tuff	vn.	Vein
lap.	Lapilli tuff	str.	Stringer
bv.	Volcanic breccia	---	Contact - approx., inferred
bx.	Fault breccia	~	Fault
fl.	Flow		
lam.	Flow banded		

Sampled section			
(sample no.)	Ag - ppm	Au - ppb	(sample no.)
YK0402	4.0	150	YK0402



KERR ADDISON MINES LTD

KOE CLAIMS

DIAMOND DRILLING
SECTIONS - A, B

SCALE - 1:500	DATE - SEPT. 1986
DRAWN BY - L.L.	DATA - D.A., L.L.
NTS - 115 J / 9	REVISED -

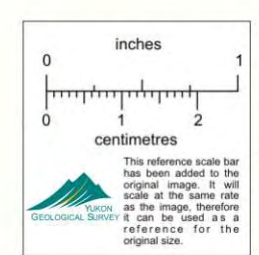
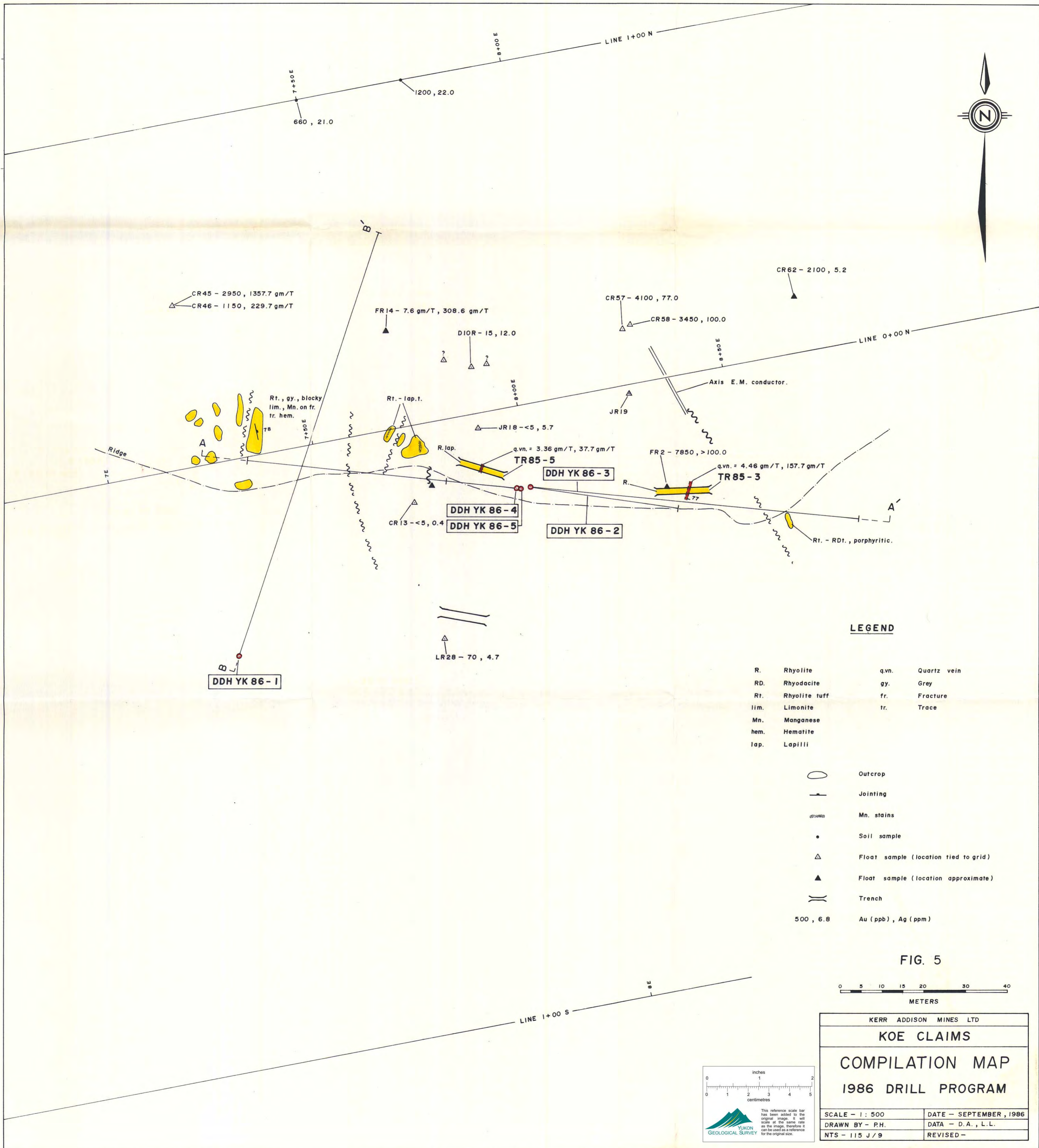


FIG. 6

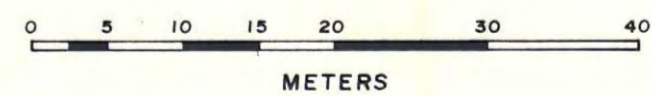


LEGEND

- R. Rhyolite
- RD. Rhyodacite
- Rt. Rhyolite tuff
- lim. Limonite
- Mn. Manganese
- hem. Hematite
- lap. Lapilli
- q.vn. Quartz vein
- gy. Grey
- fr. Fracture
- tr. Trace

- Outcrop
- Jointing
- Mn. stains
- Soil sample
- Float sample (location tied to grid)
- Float sample (location approximate)
- Trench
- 500, 6.8 Au (ppb), Ag (ppm)

FIG. 5



KERR ADDISON MINES LTD	
KOE CLAIMS	
COMPILATION MAP	
1986 DRILL PROGRAM	
SCALE - 1 : 500	DATE - SEPTEMBER, 1986
DRAWN BY - P.H.	DATA - D.A., L.L.
NTS - 115 J / 9	REVISED -

