86-132-14788 00/8

GEOPHYSICAL AND DIAMOND DRILLING REPORT

ON THE

LEO AND FLO CLAIMS "CUB 2 GROUP"

N.T.S.104/15E&16W

LIARD MINING DIVISION 59°56' N 13092 W

for

Owner(s). Reg Resources Corp. Operator: REG RESOURCES CORP.

216-8055 Anderson Road Richmond, B.C. V6Y 1S2 Sovereign Metals Corp.

FILMED

by

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GEOLOGICAL BRANCH ASSESSMENT REPORT

SUB-RECORDER RECEIVED

APR 17 1986

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VANCOUVER, B.C.

G.A. MEDFORD Geological Exploration Consulting

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Map 1 - Diamond drill hole locations - E.M. traverse locations

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Introduction

The work described in this report is a continuation of the detailed exploration of the area encompassing the Marbaco silver-lead-zinc deposit. A summary of information available on the deposit has been compiled by Cukor(1985). Two diamond drill holes were directed at extending the known reserves and a third at testing a previously located EM-16 conductor. A Scintrex SE-88 survey was carried out to detail a known Maxmin anomaly in the vicinity of a breccia zone.

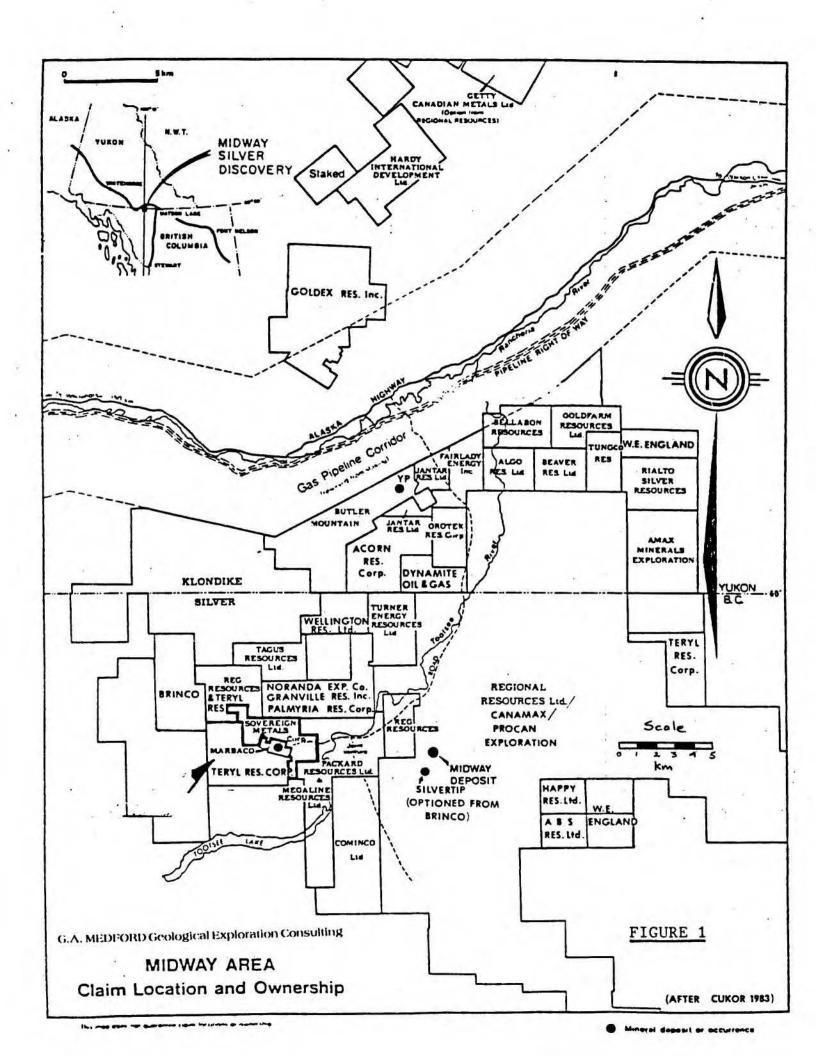
Location and Access

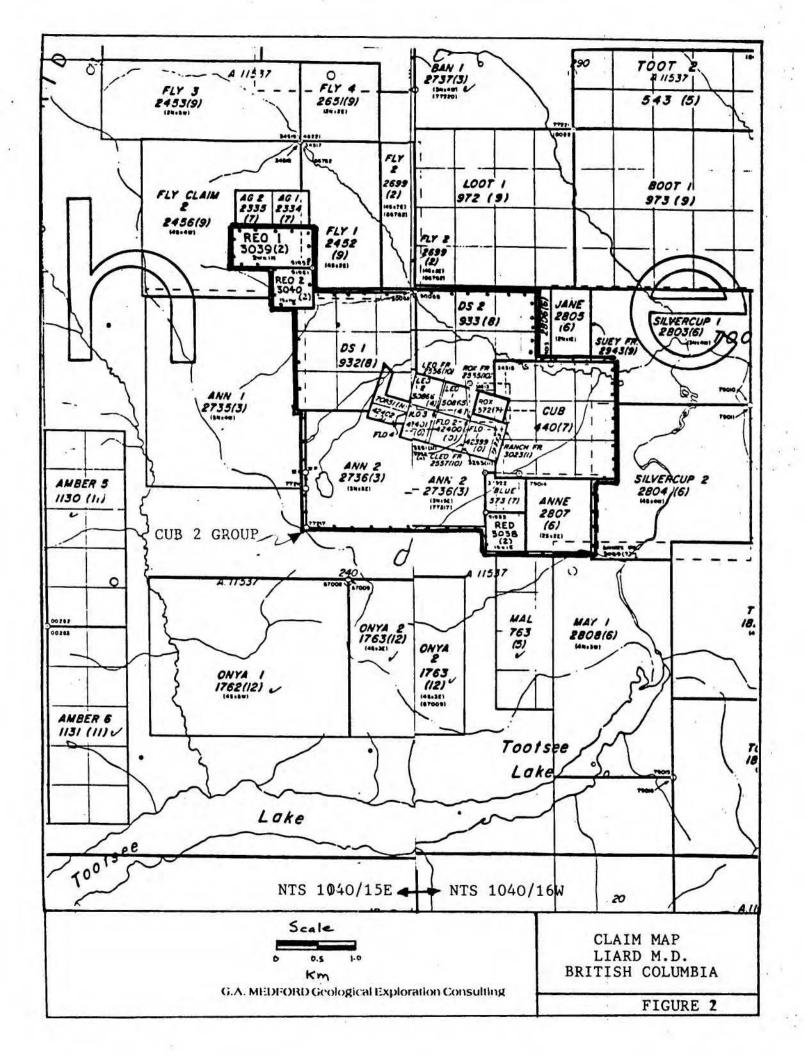
The claims are located approximately 15 km south of Rancheria, Yukon Territory and 100 km west of Watson Lake (Figure 1). Access to the property is gained from the Alaska Highway at Mile 701, following the Tootsee River road to Regional Resources and then the old Rancheria Mine road to the Marbaco camp.

Helicopters are available at Watson Lake and at Rancheria in the summer season. Watson Lake is serviced by C.P. Air from Vancouver.

Claims

The Leo-Flo original claim group containing the Marbaco deposit has been most recently regrouped on February 19, 1986 as the CUB 2 Group. This new group also includes the former Cub Group, the Ann and the Anne claims. The new group is depicted in Figure 2.





Regional Geology

The claims are situated near the contact zone of the east flank of the Cassiar batholith (Figure 3) which extends over 300 km from the Wolfe Lake map sheet in the Yukon southeast to the Kechika map area in British Columbia. In this region, the batholith intrudes a metamorphic package of Cambrian to Silurian metasediments. These include members of the Atan and Good Hope Groups (dolomites, limestones, skarns, quartzites) which are, in turn, overlain by calcareous phyllite and phyllitic limestone of the Kechika Group. The upper part of the Kechika Group also includes black graptolitic shales and platy siltstones. The above sequence exhibits evidence of intense multiple deformations. Overlying the above rocks, and generally outcropping farther to the-east, is the McDame dolomite of Middle Devonian age. This group comprises fetid dolomites and limestones with abundant fossil debris and is overlain by the Lower Sylvester; fine-grained, black, locally graphitic slates and phyllites with grey to black bedded and ribbon cherts. The McDame and Sylvester are invariably in low-angle fault contact, the Sylvester being an allocthonous slab (Gordey et al., 1982).

The Sylvestor allocthon is characterized by a broad northwesterly trending synclinal feature commonly referred to as the McDame Synclinorium. This structure parallels the contact of the Cassiar batholith in a general way. Strong northwest to northeast faulting has also affected the area. Most of these faults are steep and normal.

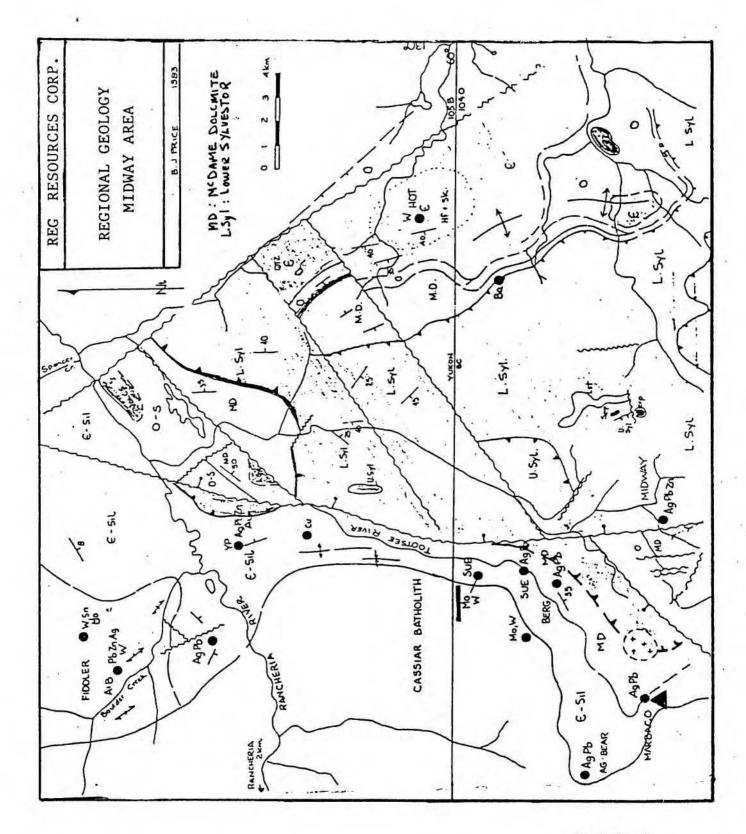


FIGURE 3

Mineral Deposits in the Area

The Marbaco deposit, a significant occurrence in the area, is found within a limestone unit of the Atan or Kechika Groups. Galena, tetrahedrite, sphalerite, pyrrhotite and ankerite occur as a replacement zone in limestone along a limestone-argillite contact. Measured and drill indicated reserves include 79,849 tons of 10.7 oz per ton silver, 2.84% lead and 6.03% zinc with an additional 59,326 tons inferred with no assigned grade (Chapman et al., 1974).

Approximately 8 kilometers to the east, Regional Resources currently is proceeding with underground development of its Silver Creek zone. Mineralization in the Regional camp is presumed mostly to be within the McDame dolomite (i.e. localized by the McDame-Sylvester contact). Regional's current geological reserves (Silver Creek and Discovery zone) comprise approximately 6 million tons of 11.7 oz per ton silver and 18% combined lead-zinc (The Northern Miner, March 1985, page 137).

Recent work on the YP claims about 15 km to the northeast (White, 1985) has demonstrated the close association of a gold-bearing quartz-eye porphyry with lead-zinc mineralization. Geochronology completed by the present author has indicated this intrusion to be Tertiary in age and isotope lead work has indicated that mineralization in the Regional Resources deposits is also approximately this age. This information has an important bearing on exploration in the area as lead-zinc-silver mineralization need not be restricted to a particular sedimentary horizon (e.g. the McDame dolomites) as in a Mississippi Valley model. It could, for example, be found in any place where there is a suitable stratigraphic trap. One such trap

would be the McDame-Sylvester contact, but similar stratigraphic packages are also present in the older metamorphic sequences in the area.

Work Program

Three diamond drill holes totalling 358.4 metres were completed. NQ core was taken, split and logged. The logs are presented in appendix 1. Core has been stored at the mine camp in standard plywood boxes. Drilling was carried out between Oct.25 and Nov.25, 1985. No samples were assayed.

E.M. surveying was carried out along an existing grid on the property. A Scintrex SE-88 unit was used and readings were taken at 25 metre stations with a 100 metre instrument separation. This unit differs from normal HLEM systems such as Maxmin ii in that it measures without regard to phase the ratio of signal amplitude between two frequencies which are transmitted and received simultaneously. A low frequency of 112 Hz is used as a reference frequency. The signal difference is integrated or averaged over a period of time in order to improve the signal to noise ratio. The survey parameters employed are:

Frequencies :3037,1012,337 Hz

Reference Frequency:112 Hz Integration period: 16 Sec.

Measurement : ratio of amplitude between

reference & signal freq. %

Data is presented on profiles 1-3. Traverse locations and drill hole locations are plotted on Map 1.

Field work was supervised by R.J. Robinson, B.Sc. (Geology). Core was logged by C.O. Nagati, B.Sc. (Geology).

Results

Drillhole Geology: Holes 1 and 3 were collared to test for the extension of the Marbacco mineralized zone which is developed within a narrow south 650 -dipping limestone unit and localized by a subparallel shear structure. This limestone is probably part of the Atan (Cambrian) metamorphic package and is contained by argillites and pelites (meta-siltstones or mudstones). The Cassiar granodioritic intrusion is found immediately west of the property and many related dikes and sills hence intrude the metamorphics. Hole 1 was collared in such an intrusion and passed through predominantly limestone from 71.8m to 86m before bottoming in granodiorite. Hole 3 did not intersect the limestone unit as was anticipated perhaps due to its structural attenuation. No significant mineralization was encountered in these two holes. Hole 2 penetrated similar metamorphics and intrusives as well as abundant quartzite from 134.3m to 153.0m. Quartzites are found elsewhere on the property (Map 1) but there is insufficient exposure to establish a complete structural succession. This hole was collared to test some weakly mineralized shears observed in trenches (see physical work report filed by H.S. Aikins on this property, 1986) as well as the E.M. conductor noted on Map 1. No significant mineralization was encountered.

E.M. Survey: Data profiles 1-3 are featureless.

Conclusions

Although the results of the present work are not encouraging, the potential for discovering significant mineralization elsewhere in the limestone unit should not be ruled out.

References and Bibliography

- Chapman, Wood, and Griswold Ltd. 1974. Fosco Mining Ltd. "Leo"-"Flo" claims area and "Leo" mine, Liard Mining Division, British Columbia Review of summary report for 1973.
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- Gordey, S.P., Gabrielse, H. and Orchard, M.J., 1982.
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 Canada, Paper 82-1B, p. 101-106.
- Mulligan, R., 1968. Metallogeny of the Region Adjacent to the Northern Part of the Cassiar Batholith, Yukon Territory and British Columbia. GSC paper 68-70.
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- White, G.E., P. Eng., 1985. Butler Mountain Minerals Corp. Lead Zinc Silver Gold Geophysical Discovery, Rancheria Area - Yukon Territory. Glen E. White Geophysical Consulting and Services Ltd., Richmond, B.C.

Maps

Map 18 - 1968 Jennings River, B.C. 1:250,000

CERTIFICATE

I, Gary A. Medford, with business at 3582 West 14th Avenue, Vancouver, British Columbia, do hereby certify that:

- I am a consulting geologist and have been engaged in my profession for over 15 years.
- 2) I am a graduate of McGill University with B.Sc. Honours (1968) and M.Sc. (1970) degrees in Geology, and have graduated from The University of British Columbia with a Ph.D. (1976) in Geology.
- 3) I am a Fellow of the Geological Association of Canada.

Gary A. Medford, Ph.D., FGAC

COST STATEMENT

Diamond drilling:358.4m;1175.8'@32.32/ft all inc. \$38000.00

E.M. Survey 1.1 1-km, R.J.Robinson+2 Ass't,1 day all inc. \$ 2000.00

Total

...\$40000.00

Certified by:

J.G. Robertson, President

Reg Resources Corp.

Operator

PROPERTY LEO-FLO "CUBZGROUP"

HOLE No. 5-85-DI

	Angle			
Footage	Reading	Corrected		

Hole No. S-85-DI Sheet No. 1 p + 7 Lat. 99 685 N Total Depth 89 M

Section Dep. 99 650 E Logged By C.O.NAGATI BS.

Date Begun OCT 25, 1985 Bearing 043° Claim Core Size NQ

Date Logged November 15, 1986 DIP -55°

DE	PTH	RECOVERY	DESCRIPTION	CAMPLE N.	FROM	TO	OF SAMPLE	Clas			-
FROM	то	RECOVERT	DESCRIPTION	SAMPLE NO.	FROM	10	OF SAMPLE	TOA		+	-
0	6./										
6./	18.3	98%	GRANDDIDALITE - QUARTE DIDRITE ? FINE - MED GRANEL							1	
			LOCAL GNEISUE TEXTUPE - BANDS OF BUTTIE;								
			MINOR CLAY ALTERATION DE PLAGNELASE								
			FOLIATION/CORE AXIS (F/CA) ~56°								AA
			8.13- 8.73 : CORE VERY BLOCKY							1	PENDI
			873-12.03 : CORS COMPETENT ; MED GRAINED ; CLASTS						-	1	N N
			OF FINE GRAINED / GNEISSIC DIORITE - CLASTS = 6 CM							4	
			18.03- 18.8 : VERY MICACEOUS							4	11-
			12.8- 18.3: ALTERNATING BANDS OF FINE GRAINED								
			DARK GNEISSIG GRANDONRITE/ QTZ DIORITE & A BILE							-	
			HED. GRAINED, EQUIGRANULAR GRANODIORITES; TORHER						-	-	-
			BOLK TYPE OCCURS AS CLASOS IN THE LATTER; TRACE			-	- 34			_	
			ByRITE						ļ	-	
18.3	22.0	100%	GRANDDIORITE : HED, GRAINED; PALE; = 18% MAFICS		+54			-		_	
			(PRINCIPALLY BIOTITE); +50% OWNETS							-	
			20.12 - 20.82 : MAFIE RICH DRASE; GRADATIONAL CONTROL								
			FINE GRAINED; BISTITE RICH						CHI.	4	-
22.0	22.6	100%	GRANODIORITE - QUARTE DIORITE : CONTACT & ABOVE							-	
			UNIT IS 30 TO CORE AKIS; FINE - MEDIUM GRAINED								
			TRAL PYRITE: QUARTE & PLAGIOCLASE FLOODING	4.5	V						

PROPERTY LEO-FLO " CUBZGROUP"

HOLE	No. 5-85-DI	
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	DIP TEST	2//6			
	Angle				Total Depth 89 M
Footage	Reading	Corrected	Hole No. 5-85-DI Sheet No. 2 of 7	Lat	
			Section	Dep	Logged By C.O. NAGATI BSc
			Date Begun	Bearing 043°	Claim
			Date Finished	Elev. Collar	Core Size_NQ
			Date Logged November 15, 1985	DIP55.	

DEF	TH	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE	CIBA			
			ALONG FRACTURES								4
22.6	22.9	100%	GRANDBIORITE : COARSE GRAINED; COMPISED MAINLY						-		
			OF QUARTE & PLAGIOCLASE - PEGMATITIC IN APPGARANCE				5.0			-	
			GRADES INTO PREVIOUS ROOM TYPE ALONG FRACTURES;							-	
			CONTAINS A FEW XENDLUTHS OF UNDSPLYING ROCK TYPE			F-12-25				-	-
22.9 26.5	100%	GRANODIORITE LIGHT GRAY; HED GRAINED; TRALE PYRITE						1		k	
			28.9-23.2 : CONISTS MAINLY OF VERY FINE GRAINED								-
			QTE, ~ 86%				+1				
			25.8 : CLAY ALTERATION OF PLAGIOCHASE ALONG A								
			FRACTURE / SHEAR		12		4200				
26.5	31.0	100%	SCHISTOTIC SILTSTONE : FINE - MED. GRAINED; GENERALLY							.	
			WHITISH GUAY COURT; CONTAINS VISIBLE QUARTE, BIOTITE,							ļ	
			MUSCONITE, CHURRITE; QUARTE & HICAS FREQUENTLY OCCUR								
			IN THIN, SEM, BONDS; 4/70 COMBINED PYRITE / PYRHOTITE							1	
			F/CA = 55°				ļ				
31.0	31.2	95%	GRANODIOPITE : BLOCKY FINE - HED GRAINED ; SOME			C					<u> </u>
			CHLORITE & CLAY ALTERATION								
31.2	33.9	75%	SCHISTOTIC SILTSTORE ?: FINE GRAINED, MED - DARK								
			GRAY; QUARTE ! BIOTITÉ RICH BANDS FICA : 65°						-		
Rose			41% COMBINED PY/PO IN THIN LEAR & LAMIANE								
			32.0- 33.9 CALCITE ON FRACTURES SURFACES							L	

PROPERTY LEO-FLO "CUB'GROUP"

HOLE No. S-RE-DI

	DIP TEST				
	Angle				00 ml
Footage	Reading	Corrected	Hole No. S-85-DI Sheet No. 3 47	Lat	Total Depth_B9 M
			Section	Dep	Logged By C.O. NAGATI 85c
			Date Begun	Bearing 043°	Claim
			Date Finished	Elev. Collar	Core Size_NQ
			Date Logged November 15, 1985	DIP	

DEP		RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE	C/84		
33.9	34.2	100%	GRANDDIORITE: HED. GRAIN SO, ANHEDRAL, RISTY							
			FE OxIDES 15%, QUARTE 35%, PLAGIOCIASE 35%							
			K. SPAR 10% OTHER 5%							
34.2	71.8	98%	PHYLLITIC - WEAKLY SCHISTOTIC SILTSTONE : GREY WITH	G85-DI-1	35.36	36.46	1.10 M			
	10005		SOME PURPLISH BROWN BANDING; FICA = 59°; FINE						10	
			GRAINED OVERAL; MICAS FANE TO HED GRAINED -							
-			MAINLY MUSCOVITE - PURPLISH BANDS DIE TO FINE GRAINED							
			BIOTITÉ : TRACE CALCITE ON FRACTURE SURFALES;							
			= 3% PO IN THIN LEWS & LAMINGAGE (TO 5% LOCALLY),							
			TRACE PY.							
			36.46-36.61 PELEMATITIC VEIN - GRAPHIC TEXTURE;							
			TRACE PO IN BLEBS							
			38.05-39.1 : SCHISTONE HUDSTONE; BANDED GREEN-GRAY &	-						
			BRPLE-BANN; CALLITE ON FRACTURES	K						
			42.8 - 45.5 : MORE MASSIVE; F/CA = 80 ; CONGINED PY/PE			- 110				
			6/2							
			43.4-43.6: 2CM QUARTE VEIN ; CONTACT IS 20 TO CORE							
			AXIS; CALLITE IN FRATILES, HOST PACK IS SLIGHTLY THEY							
			S27							
									1.0	

PROPERTY "LEO -FLO" "CUB26 ROUP"

HUI F NA 3 B3 VI	HOLE	No. 5-85-D/	
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	DIP TEST		the state of the s		
	Angle				
Footage	Reading	Corrected	Hole No. 5-85-DI Sheet No. 4 of 7	Lat	Total Depth 89 M
			Section	Dep	Logged By C.O. NAGATI BSc
			Date Begun	Bearing 043°	Claim
			Date Finished	Elev. Collar	Core Size_NQ
	L		Date Logged November 15, 1985	DIP -55	

DEP	тн	I sous-source				Canada I	WIDTH				
FROM		RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	OF SAMPLE	C/BA			
		1100	47.3-47.5 MODERATE QUARTE FLOODING , CHLORINE ALTERATION	G-85-D1-2	47.3	47.5	0.2 M				
			OF MARIES; VERY FINE GRAINED SULPHIDES - 52% PY, 5/0%	G-85-DI-3	47.5	48.3	0.8 M			1	
			PB IN SEMI-MASSIVE LAMINAS, TRACE CHALCOPYRITE?								
			GRADATIONAL CONTACTS								
			47.7-47.8: QUARTE VEINING; 53% PO IN INTERSTIAL						-		
			SPACES : CALGITE IN FRACTURES.								
			47.8 - 48.4 : VERY WEAK QUARTZ FLOODING; CALCUTE ALONG	5_							
	(4)	-	FRACTURES, CHLORITIBED, 2 CM VEIN OF QUARTE AT BASE								
			OF INTERNAL; + 3% PO IN FINE & COARSE DISSEMINATIONS								
			48.4-49.4 SLIGHTLY CALCARGOUS ; LOWER PORTION OF		ä.,					1	
			INTERVAL IS BLOCKY; FRACTURE SURFACES CONTED &						ļ		
			Fe Oxides.								
			SIS-52.4' CORE BLOCKY, FRACTURE SURFACES STRONGLY								
			CHORMO								
			54.6 : ICH VEIN PINK, SUBSTLY SPARRY DOLDHITS	G-85-DI-4	54.59	54.61	0.02 M				
			CONTAINING 70% MED. GRAINED BLACK SPHILERITE &						ļ		
			TRACE CHALCOPYRITE, HOST ROCK IS UBRY MICACOUS								
			(MUSC.), SHENTLY CHLORITE & TALCY, & MINOR OTE								
			CALCUTE INFLLENCE OF FRACTURES . I CM BAND OF								
			MASSING TY/PO ASSOCIATED & THE DOLOMITE VEIN.								
			55% FINE GRAINED, DISSEMINATED BY IN HOSE ROCK							L	

PROPERTY LEO- FLO "CUBZGROUP"

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	DIP TEST						
	Ar	igle			00		
Footage	Reading	Corrected	Hole No. S-85-DI Sheet No. 5047	Lat	Total Depth 89 M		
			Section	Dep	Logged By C.O. NAGATI BSc		
			Date Begun	Bearing 043°	Claim		
			Date Finished	Elev. Collar	Core Size NQ		
			Date Logged November 15, 1985	DIP55°			

DEF	тн			2.0002.000	17-23/72		WIDTH	C1	- 500	
FROM	ТО	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE	C/BA	 	
			55.91 - 58.16 WHITE DOLOMITE VEIN CONTAINING	56.06	56.06	56.1	0.04M			
			TRACE BLACK SPHALERITE & GALENA; ICM BAND OF							
		1	PO & MINOR PY , HOST ROOK ALTERATION AS ABOUE -							
			CHEORITE & TALL STRONGER, SLIGHTLY BRECKIATED							
			57.7 : 1/2 CM BAND OF PO & PY - TEACE BLACK							
			SPHALER, TE?							
			68.5 - 69.0 : CORE BLOCKY & SEIGNTLY GROUND, SOMEWHAT						 	
			GNEISSIC TEXTURE; F/CA = 50°			L				
			69.7-71.8: SOME CALCITE VEINING ALONG FRACTURES							
71.8	72.0	100%	LIMESTONE / DOLOSTONE : MED GRAY; WEAKLY BANDED -		e			65°		
			BEDDING ! CONTRINS ROUNDED CLASTE OF UNDERLYING							-
			ROCK TYPE						15	
72.0	72.9	95%	CALCAREOUS ARGILLITE : STRONGLY CALLARSOUS DARK GREY;				5100			
			ABUNDANT CHLORITE, 41% Py; CONTACT ~ 60° TO CORE							
			Axis							
72.9	73.4	97%	BANDED LIMESTONE : MED GRAY & BANDS OF DARK							
	-		GRAY; DACK BANDS MORE ARGILLIC AND IN PLACES							
			APPEAR AS ROUNDED CLASTS; SOME CALCITE VEINING							
73.4	78.5	98%	PHYLLITIC SILTSTONE : MED, GRAY COLOK; SOME							
			SURFACES SLIGHTLY CHEORIFIC \$/OR GRAPHITIC							
			RARE, 41cm WIDE, QUARTY, VEINS, CALCITE COMMON				1 - N - N - N - N - N - N - N - N - N -			

PROPERTY LEO - FLO " CUBZG ROUP"

HOLE No. 5-85-DI

	DIP TEST			2	
	Angle				
Footage	Reading	Corrected	Hole No. S-85-D) Sheet No. 6 of 7	Lat	Total Depth 89 M
			Section	Dep	Logged By C.O. NAGATI BSC
			Date Begun	Bearing 043°	Claim
			Date Finished	Elev. Collar	Core Size_NQ
The state of the s		+	Date Logged Novem Dek 15, 1985		
			Date rodded TANAM Day 12, 13.02	DIF	

DE	PTH	RECOVERY	DESCRIPTION		T		WIDTH OF SAMPLE			
FROM	ТО	RECOVERT	DESCRIPTION	SAMPLE No.	FROM	10	OF SAMPLE	4/13A	 in a second	
			ALONG FRACTURES						1	1
			73.4-73.8 : CORE UERY BLOCKY				100			
			77.2-77.7 CORE IS ONLY PARTIALLY COMPETENT; MINOR				No.			
			CLAY ALTERATION				-			
			78.3-78.5: CORE IS ONLY PARTIALLY COMPETENT; MINOR							
			CLAY ALTERATION							
78.5	85.9	97%	LIMESTONS / DOLDSTONE : MOTTLED SHADES OF GRAY &					70°		=
		2	VEINS OF WHITE CALCITE & QUARTE; FINE GRAINED							
			80.3-80.9 CORE IS LARGELY INCOMPETENT -SHEAR?	G-85-01-6	80.3	80.9	0.6 M			
			80.7 - 80.9 STAINED WITH FE OXIDES							
			81.0-81.6 DARY GRAY AROMUCEOUS LIMESTONE AT TOP							
			OF INTERVAL GRADING INTO SHIGHTLY CALCARGOUS							
			ARGILLITO AT BASE.							
			81.6-85.9 BANDED MED GRAY LIMESTONE LOCALLY					85°		
			RECRYSTALLIZED							
85.9	86.0	100%	OXIDE ZOWE: 10% FINE GRAINED QUARTE, 10%	G-85-DI-7	85.92	86.0	0.08M		 	
			ARBILLITE CLASTS WHEN ARE DECASSIONALLY SURROUND							
			ED BY BLEACHED HALOS, 30% COMBINED PY/PØ-							
			UNWEATHERED - PRIMARILY BY; 50% FINE GRAINED							
			OXIDIZING PY/PO -> HEMATITE FRACTURE SURFACES							
			ALTERING TO HEMATITE & GOSTHITE; VUGGY		,					

PROPERTY LEO- FLO "CUB2GROUP"

HOLE	No.	5-85-DI	
HUL			

	DIP TEST		4	•	
	An	gle		2.0	
Footage	Reading	Corrected	Hole No. S-85-DI Sheet No. 7ef 7	Lat	Total Depth 89. M
2 (4)			Section	Dep	Logged By C.O. NAGATI ASC
- 727			Date Begun	Bearing 043°	Claim
			Date Finished	Elev. Collar	Core Size NQ
		L	Date Logged November 15, 1985	DIP55*	

DEF		RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE	C/BA.			
	89.0	100%	GRANDDIORITE : MED. GRAINED; PALE; ANHEDRAL CRYSTALS								
			CONSISTS LARGELY OF FELSIC MINERALS, PLAGIOCLASE								
			ALTERING TO CLAY, OCCASSION QUARTE VEINS & 2CM							·	
			WIDE; TRACO PY.						7		
			87.0 - 89.0 : 42% FINE GRAINED, DISSEMINATED PY,								
			EXTENSIVELY REPLACED BY LIMONITE; CHLORITIZA-								
			TIEN OF MARIES								
			88.4-88.7: INTRUSIVE LOOKS PARTIALLY ALTERED BY								
			CATACLASTIC PROCESSES TO FINE GRAINED GREENISH-								
			GRAY MYLONITE & BANDS & HAM, OF QUARTE								
			PARALLEL TO CONTACT								
_	89.0		END OF HOLE								
		4	× 4 9 × 8 ×	4					0 40 E		
											y- 1
Ē,		W W									
*											

PROPERTY LEO FLO "CUBZGROUP"

HOLE No. S85D2

	Angle				
Footage	Reading	Corrected			

	2 Sheet No. 1 of 2	Lat. 1+35 N	Total Depth 153 M
		Dep. 5+70 E	Logged By C.O.NAGATI ISS
	NOU-12,1985		Claim G
		Elev. Collar 1440 M	Core Size_ NQ
Date Logged	NOV. 17, 1985	DIP -60°	

FROM	PTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE			
0	11.0		OVERBURDEN: GLACIALLY DERIVED BOULDERS ! SAND							
11.0	34.0	75 %	META- SILT STONE : PURPLE- GREY - BROWN , MINOR SILIC . OXIDIZE	q						
		-	FRACTURES. CA FRACT-FILL. SOME OF DEINS TO BOCM.							
			TRACE PO/PY AND SOME CHLORITIZATION							
34.9	352	100%	GRANDO JORITE 15% FG MAFICS , 30% CGMUSCOUTE REMAINDER	G8502-1	34.9	35.2	0.3 M			
			QZ . PLAG. CLAST OF PHYLLITE 5 cm ACROSS.		-					
35-2	1343	34	PHYLLITE: MORE OR LESS ALTERED. PURPLISH BROWN TO G.REV.							
			STRINGERS OF CA & O.L. TRACE DOLOMITE. WITH SLIGL.							
			TRACE POPPI. A REW THIN ZONES OF GROWNONINGTE INTRUSIVE.		-	-				
			35.2-33:0 MOSTLY GREY FOLLATION 65° TO CAXYS. FE OXIDES ON FARET-		٠			 	-	
			36:0 -36.6 THIN (< IMM) STRINGERS OF PY.	G8502-Z	36.0	36.6	0.6 M			
			36-6-41-8 PY ALT. TO LIMANITE.	•						
			41-8-42.3 SILICIPIED ZONE. 41% PO. TR MUSCOUTTE.	G8512-3	41-8	42.3	0.5 M.			
			42.3 - 45.4 LESS META. SILT. GREY, FG. CA DEINS.			* ,				
			45.4-46.9 LOCALIZED QZ CARROWATE FLOODING / VEINS.	G85 D2-4	46.0	46.3	0.3M	 		
			46.9 - 47.4 GRANDARITE F-M-C-GARNED 15%CG DISS MARICS.			- 3				
			30% MUSC (SUGARY) FINES DOWN-HOLE.							
			47.4-49.1 SILTSDAY: MX. GRU-GRY. BZ STRINGERS & ZOLVES. TO 2%							
			PO AND 2% FG PY IN THEN LAMIN & DISS.			שפע		 		
		2 Fe	49.1 - 52.9 PHYLLITIC SILTSTONE, GREYEN. ECHLORITE BANGS OF PY.	C85.02-5	49.1	T^{F}	0.3 M			
		046	55.9-56-0 PINK DOLOMITE. MED. GR. TR SPHALBUTE	G85D2-6	55.5	55 <i>9</i>	0.4M			

PROPERTY LEO FLO "(UB2GROUP"

HOLE No. ____ S85 D2

	DIP TEST		÷-					
	Angle				0.22			
Footage	Reading	Corrected	Hole No. G85-7 Sheet No. 2 of 2	Lat. 1135N	Total Depth 153 M			
			Section	Dep 5170£	Logged By C.O. NAGATI BSc			
-					2.37 Small			
	1		Date Begun Nov 12 , 1935	Bearing 943*	Claim			
			Date Finished Nov 15 , 1785	Elev. Collar 1440M	Core Size NQ			
			Date Logged NoU 17, 1985	DIP - 60°				
			Date Logged 175 1765	UIT				

DEF FROM		RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE			
				G8507-7	55.9	60.0	OIM			
			56.0-44.4 PHYLLITIC SILTSTONE. GREENISH, BROWNISH & WHOTISH						1	
			BANDS (CHLORITE - BOTTE - Q7 RICH)							
			74.4-74.5 AS AGOUE BUT TRACE SL AND ? GL.?	G85 D2-8	74.4	74.5	0./M			
			74.5 - 75.1 AS AGOVE PLOT PY TO 3%	G85 D2- 9	74.9	75-1	0.7 M	- 1	ļ	
			75-1-134.3 PHILLTIC SILTSTONE. FOLIATION N 40° TO CA.							
			STRONGLY GREY, GREEN, WHITE BANDED. F TO M GRAINED.						ļ	
1343	1384	70%	META OTZITE. UFG. FOLIATED 34° 70 COREAKIS.				F-110		ļ	
			DIRTY WHITE.							
1384	153.0		INTERBEODED OF THE AND SILTSTONE							
			138.4-142.2 SILTSTONE							
			142.2-142.5 QUARTZITE							- 1
			1425 - 144.0 SILTSTONE.							
			144.0-145.3 QUARTEME							
			145.3-153.0 S/LTSTONE							
	1530		END OF HOUS.							
						Same and				
			•							
		*						180		
		7								я
								8.		ā

PROPERTY LEO FLO "CUBZGROUP"

HOLE No. G85-3

DIP TEST					
Footage	An Reading	gle Corrected	Hole No. G85-3 Sheet No. 1 of 2 Section	DepO+80 E	Total Depth 1/6.411 Logged By C.O. NAGATI B.Sc.
			Date Begun NOV. 17, 1985 Date Finished NOV. 21, 1985 Date Logged NOV. 23, 1985	Bearing 043° Elev. Collar 1465M DIP -60°	Core Size_NQ

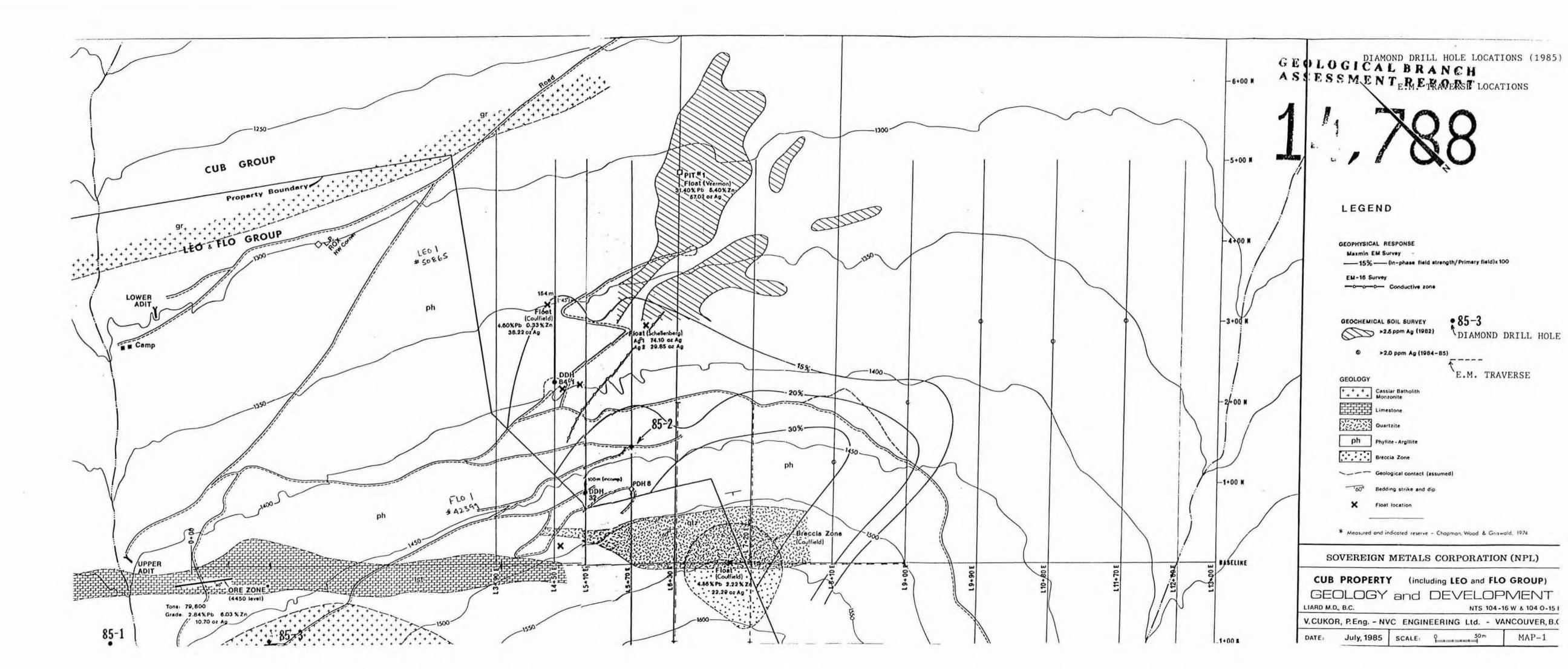
DE	PTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH OF SAMPLE				
	6.0		OVERBURDEN . GLACIALLY DERIVED GRANTIC BOULDERS & SAND.								
2	33.0		SCHISTOSE SILTSTONE; FM. GRAINED. WEAK TO MOD. SEC. BIOTHE.								
			AND MUSCOUTE. SOME CHLORITE, LIMINITE OFFRACT. MED. GRY TO								
			BROWN - GREY.			ia					
		100%	6.0-7.2 SILT STONE SCHIST AS ABOUT	-							
		100%	7-2-10-1 STROUG FINK DOLD . DEMUNG . & CALETTE & DOLDMITE.								
			7.3 UEIN OF HEMATITE & QT XTALS OP.								
		100%	10.1-R.3 SILT. SCHIST .				-				
			17-3-17-7 OXIDES. LIMBOUTE, MAA, GRAPHITE, QZ BLEBS +XTALS	G85D3-1	12.3	12.7	0.4M	aria di mora a			-
			WEATHERED PY. < 1% GL. VUGGY.								
		90%	12.7-15.2 SCHIST . V. BLOCKY. FO DXIDES ON FRACTS.							<u> </u>	
		100%	17.7-20.7 STRONG FE STAINS.								
		100%	28.5-28.7 LIMONITE ZONE.							-	
		160%	30.3-31.2 FLOODED BY GZ + PLAG. MED. CRAMVED								ļ
		100 %	31.7 - 32.5 NUMEROUS PINK DOLD UTINS. SOME VUGGY, EXTREME		-				-		
			BRECC.			2				101	
33.8	34.0	100%	QZ - PLAC. UEM. WHITE. CONSISTS OF 85% QZ & INTERSTITING RIAG.					100			
34.0	73.7	95%	SILTSTONE - PHYLLTIC SILTSTONE: MED. GRY TO GRN-GRY. LOCAL							-	
			WEAK SCHIST. BOL & CA LIEINS TO 2-3 CM. IN STRONG BRECK. ZONES.							(1)	1824
			X-CUTTING FOLIATIONS. MINOR CHLORITE MINOR LIMONITE. TR.PY					- Kolin			
			Po.								

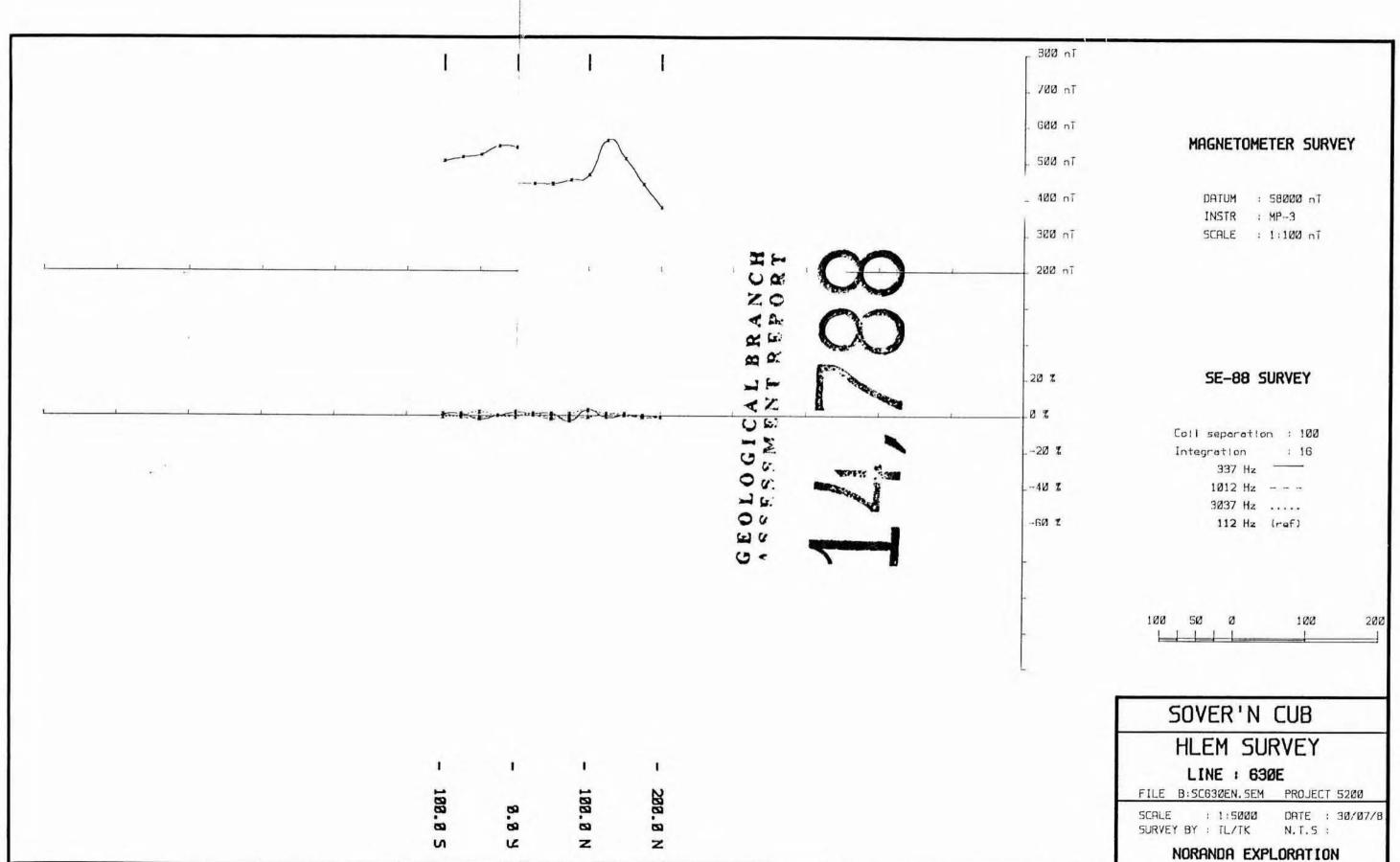
PROPERTY LEO FLO "CUBZGROUP"

HOL	F N	G85-3	
HUL			

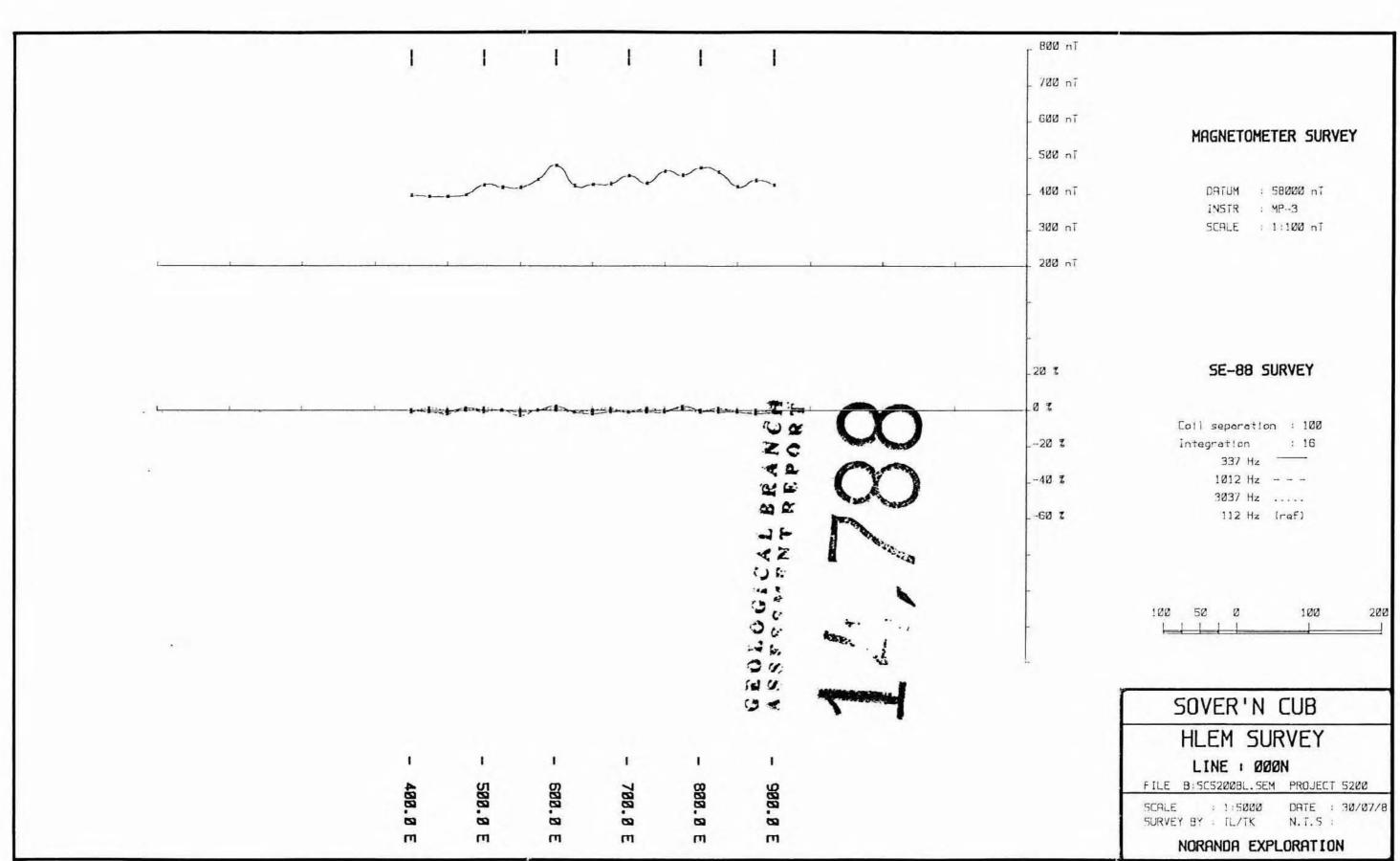
	DIP TEST				#: #:
	An	gle			
Footage	Reading	Corrected	Hole No. 085-3 Sheet No. 2 of 2	Lat. Ortos	Total Depth_116.4 /1
			Section	Dep. 0780£	Logged By C.O WAGATI BSc
	-		Date Begun _NOV 17,1985	Bearing 043°	Claim
			Date Finished 400 21, 1985	Elev. Collar_1465 M	Core Size A)Q
	1		Date Logged NOU 23, 1985	DIP -60	<u></u> ,

PTH	RECOVERY	DESCRIPTION	SAMDIE N.	FROM	TO	WIDTH	- 1			
то	NEGOVEN.	DESCRIPTION .	SAMPLE NO.	FROM	10	OF SAMPLE				
	85 %	38.6.39.9 BLOCKY - IRON STAINED.								
	85 %	42-2-45-7 BLOCKY - SOME GRAPHITK PARTINGS.						<u> </u>		
	100%	51-1-538 STRONG CA LIENUS + LENSES & SMM.								
	100%	56.3 - 56.7 AS ABOUE.								
	100%	62.3 - 62.7 CA UEIN . CONTAINS 50% FRAGS BRECK SILTSTONE.								
	100%	64-2-64-8 STRONG CA WEINNAG, & 10% CA. STRONG CHLORITZATION.								
	100%	67.3-67.8 OF CARB. ALT. ZHAVE. STROAK CA. MINNOR BT. SILT.								
		ALT TO CHLORITE. 41 1% PO. WIDE DISS.								
73.3	100%	VERY ALTERED INTERNAL. CLAY, BUOTITE, MUSCOUTTE CHLORITE-ALT.								
		MAEKS.		20					1	
116.4	95%	SILTSTONE - PHYLLITIC SILTSTANE: AS ABOUT.								
	8%	76.2-80.0 VERY BLOCKY								
	100%	76-2-76.4 BRECK. SHEAR ZONE OF & SILTSTONE IN FG. GOOW								
		MATRIX.								
67	100%	77.4-77-9 SHEAR ZONE. BRECK & CHLORITIZED.					_			
	100%	109.1-109.3 DYKE ORSILL. C.G. DE/MUSC/BI/QUORTE	100							
116.4										
					-					
	116.4	73.3 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100%	BESCRIPTION 85% 38.6.39.9 BLOCKY - IRON STAINED. 85% 42.2.45.7 BLOCKY - SOME GRAPH ITK PARTINGS. 100% 51.1 - 53.8 STRONG CA LIENUS & LENSES & SMM. 100% 56.3 - 56.7 AS ABOVE. 100% 67.3 - 62.7 CA VEINI . CONTAINS 50% FRAGS BRECK SILTSTONE. 100% 64.7 - 64.8 STRONG CA VEINING . 6 10% CA. STRONG CHLORITEATION. 100% 64.3-64.8 QT CARB. A.T. TANK. STRONG CA. MINNOR 67. SILT. ALT TO CHLORITE . < 4/6 PO. WIDE DISS. 73.3 100% VERY ALTERED INTERVAL. CLAY, BUSTITE, MUSCOUTE CHLORITE-ALT. MAEKS. 1/4.4 95% SILTSTONIE - PHYLLITIC SILTSTONIE: AS ABOUT. 85% 76.2-80.Q VERY BLOCKY 100% 76.2-76.4 BRECK. SHEAR ZONE QT & SILTSTONIE IN FG. GOWN MATRIX. 100% 109.1-109.3 DYKE ORSILL. C.G. 87/MUSK/BI/ QLORITE	### DESCRIPTION SAMPLE No. 85 % 38.6.39.9 \$\text{BLOCKY - IRON STAINTEO.} 85 % 42.2.45.7 \$\text{BLOCKY - SOME GRAPHITE PARTINGS.} 100% 51.1 - 53.8 STRONG CA HENDS & LENSES & S. M.M. 100% \$\text{56.3 - 56.7} AS ABOVE. 100% 67.3 - 62.7 CA VEIN . CONTAINS SO % FRAGS BRECK SUITSTONE. 100% 64.2 - 64.8 STRONG CA VEINING. & 10% 64.3.64.8 OF CARB. ALT. ZHAVE. STRONG CA. MINNOR & F. SILT. ALT TO CHLORITE. 44 % PO. WHOE DISS. 73.3 100% VERY ALTERED INTERVAL. CLAY, BIOTITE, MUSCOUTE CHLORITE-ALT. MAEKS. SILTSTONE - PHYLLITIC SILTSTONE: AS ABOVE. 80% 76.2 - 80.0 VERY BLOCKY 100% 76.2 - 76.9 BRECK - SHEAR ZENSE & Y SILTSTONE IN FG. GRAW MATRIX. 100% 77.4-77.9 SHEAR ZENSE & BRECK - CHLORITEZED. 100% 109.1 - 109.3 DYKE ORSILL. C.G. & T. MINSK / BI / OHORITE 100% 109.1 - 109.3 DYKE ORSILL. C.G. & T. MINSK / BI / OHORITE 100% 109.1 - 109.3 DYKE ORSILL. C.G. & T. MINSK / BI / OHORITE 100% 109.1 - 109.3 DYKE ORSILL. C.G. & T. MINSK / BI / OHORITE 100% 109.1 - 109.3 DYKE ORSILL. C.G. & T. MINSK / BI / OHORITE 100% 109.1 - 109.3 DYKE ORSILL. C.G. & T. MINSK / BI / OHORITE 100% 109.1 - 109.3 DYKE ORSILL. C.G. & T. MINSK / BI / OHORITE 100% 109.1 - 109.3 DYKE ORSILL. C.G. & T. MINSK / BI / OHORITE 100% 109.1 - 109.3 DYKE ORSILL. C.G. & T. MINSK / BI / OHORITE 100% 109.1 - 109.3 DYKE ORSILL. C.G. & T. MINSK / BI / OHORITE 100% 1	DESCRIPTION SAMPLE No. FROM R5 % 38.6.39.9 CLOCKY - IRON STAINTO. R5 % 42.2.45.7 SLOCKY - SOME GRAPHITK PARTINGS. R00% SI.1 - S3.8 STRONG CA LIENUS & LENSES & S. MM. R00% S6.3 - 56.7 AS ABOVE. RO0% 67.3 - 62.7 CA UEIN . CONTAINS SD % FRAGS BRECK SULTSTONE. R00% 64.2 - 64.8 STRONG CA LEINHAR, & 65% CA. STRONG CHLORITERTON. R00% 67.3 - 61.8 OF CARB. ART. PANK. STRONG CA. MINDR 67. SILT. ALT TO CHLORITE. X1/6 PO. WIDE DISS. ROOM VERY ALTERED INTERVAL. CLAY, BUSTITE, MUSCOUTE CHLORITE-ALT. MAEKS. SILTSTONE - PHYLLITIC SILTSTONE; AS ABOUF. B3% 76.2 - 80.0 VERY PLOCKY ROOM 76.2 - 76.4 BRECK - SHEAR PONE QX & SILTSTONE IN FG. GOWN MATRIX. ROOM 77.4-77.9 SHEAR PONE. BRECK - CHLORITATED. ROOM ROOM	DESCRIPTION SAMPLE No. FROM TO	### DESCRIPTION SAMPLE No. FROM TO OF SAMPLE 85 % 35.4.39.9 \$\(\frac{1}{2}\cdot \cdot \cdo	DESCRIPTION SAMPLE No. FROM TO OF SAMPLE	SAMPLE No. FROM TO OF SAMPLE	DESCRIPTION SAMPLE FROM TO OF SAMPLE

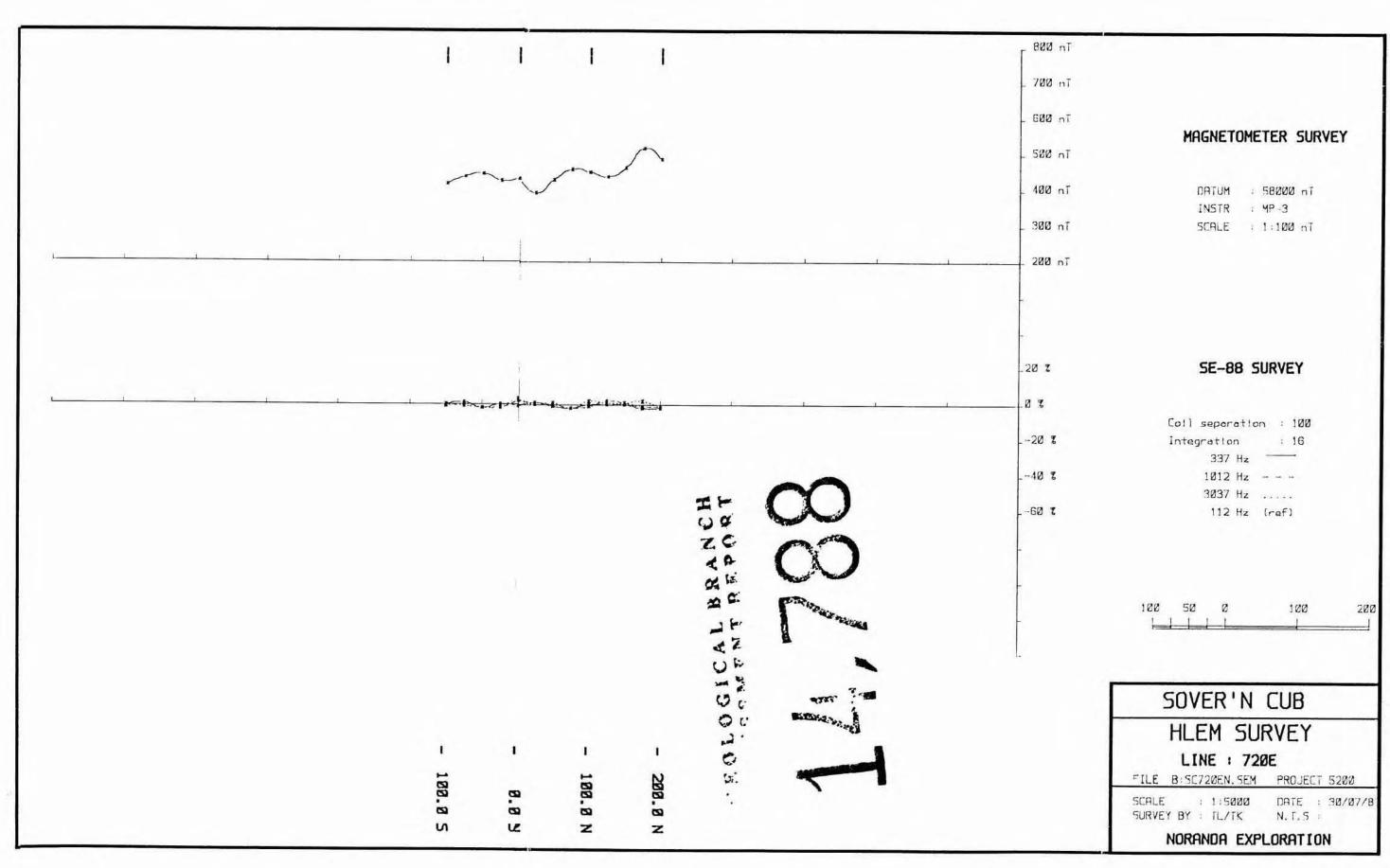




PROFILE 1



PROFILE 3



PROFILE 2