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REPORT ON DIAMOND DRILLING
CIMADORO GROUPS
SKEENA MINING DIVISION
SECURITY COVE AREA, MORESBY ISLAND, B.C.

by
A.I. Betmanis, P. Eng.

NTS: 103F/1 E and W
Longitude: 132° 14'W
Latitude: 53° 06'N

FILMED

Cimadoro West Group (99 units)

Cimadoro 2 #6836 (20 units)
Cimadoro 4 #6838 (20 units)
Lucimin 4 #6858 (18 units)
Lucimin 6 #6854 (1 unit)
Luptak #7293 (20 units)
Luptak 2 #7294 (20 units)

Cimadoro East Group (99 units)

Cimadoro 1 #6835 (20 units)
Cimadoro 3 #6837 (20 units)
Lucimin 1 #6855 (20 units)
Lucimin 2 #6856 (20 units)
Lucimin 2 #6857 (18 units)
Lucimin 5 #6853 (1 unit)

February 26, 1990

Vancouver, B.C.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,705

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INTRODUCTION

The Cimadoro East and Cimadoro West groups of mineral claims are part of the Cimadoro property held by Doromin Resources Limited in the northwestern part of Moresby Island, Queen Charlotte Islands, B.C. Teck Corporation has the right to earn an interest in the property by funding exploration. Doromin has retained Teck to carry out the exploration programs.

The Cimadoro property was staked in 1988 by Efrem Specogna following the discovery of banded massive sulphide boulders and massive sulphide-barite showings at the headwaters of Deena Creek, north of Security Cove. Initial sampling of the showings indicated potentially economic grades of gold, silver, and lead, and anomalous values of copper and zinc.

Teck Corporation initiated a detailed exploration program of the Cimadoro property in the summer of 1989. The program included geological mapping, and geochemical and geophysical surveys along the projected strike extensions of mineralization, and helicopter supported diamond drilling below the area of the showings. The showings are located in relatively inaccessible cliffs, and accurate detailed geological mapping or geophysical surveying in the immediate area of the showings is not possible.

This report deals with the diamond drilling phase of the exploration program. Diamond drilling commenced on October 19, and 956.1 metres of drilling in six holes from two locations were completed on November 17, 1989.

LOCATION AND ACCESS

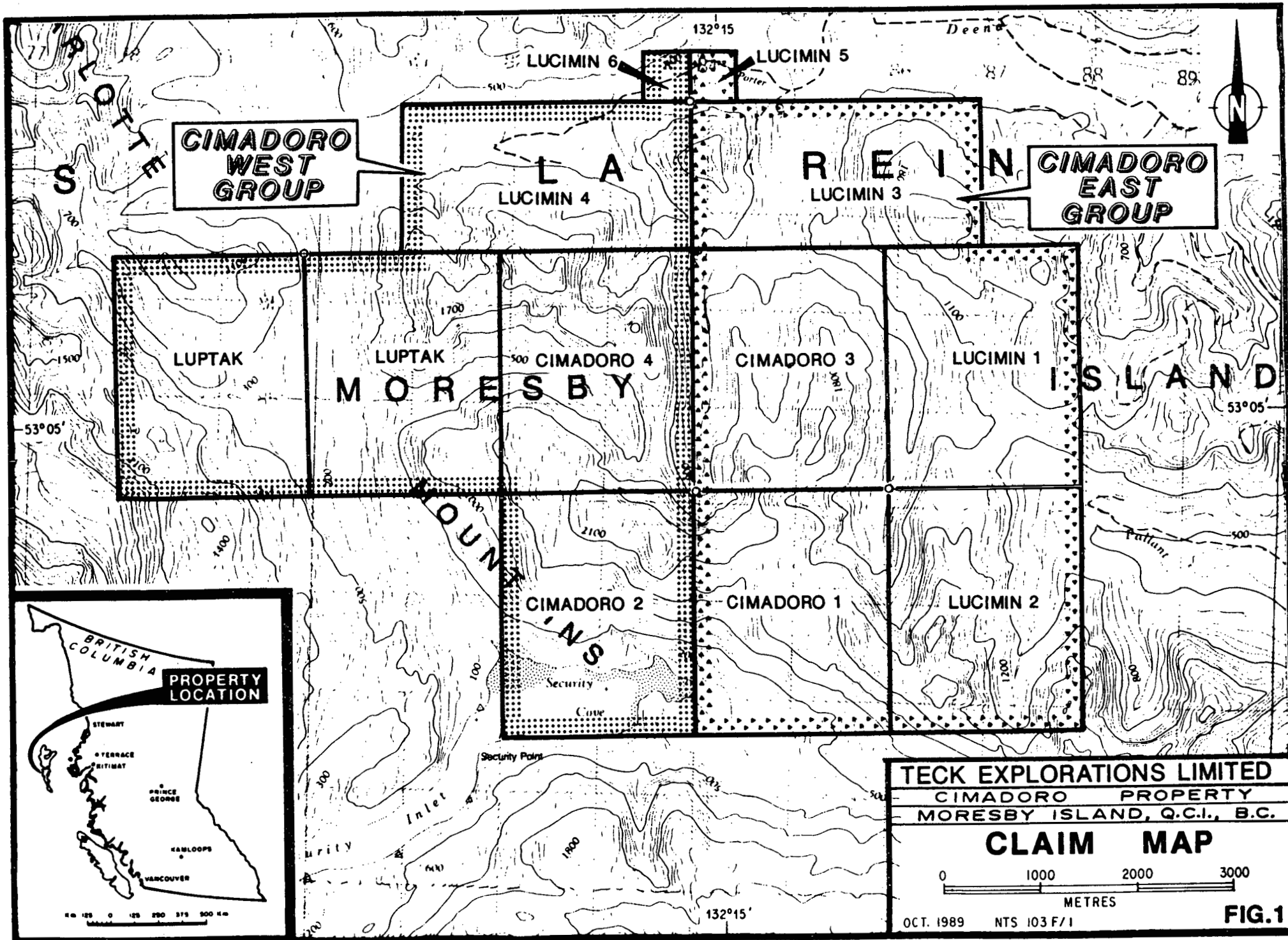
The Cimadoro property is located at the headwaters of Deena Creek, north of Security Cove, northwestern Moresby Island, B.C. (NTS 103F/1 E and W). The property is centred near latitude 53° 06'N and longitude 132° 14'W within the Skeena Mining Division.

Access to the property is by paved highway from Sandspit to the Alliford Bay ferry terminal, then by good gravel logging roads to the South Bay log dump, followed by the Deena West Main logging road to the junction of Deena and Porter Creeks at the north edge of the property. Logging spurs extend southerly onto the property and were partially repaired during 1989 to permit closer access to the drilling area. Road distance from Sandspit is 40 kilometres. The logging roads are actively used by Fletcher Challenge, and are radio controlled.

The drill sites are accessible only by helicopter or on foot.

PHYSIOGRAPHY AND CLIMATE

Elevations on the property vary from sea level at Security Cove, or 100 metres in the Deena Creek valley, to 825 metres at the ridgeline north of Security Cove. The headwaters of



Deena Creek end in north facing pseudo-cirques and cliffs. Rockfalls and slides in the cirque areas are frequent, especially during heavy rains.

Apart from logged areas in the Deena and Porter Creek valleys, vegetation is mature old growth spruce, hemlock, and cedar. Undergrowth is light due to poor penetration of sunlight in heavily forested areas. The northwesterly trending ridgeline north of Security Cove above an elevation of approximately 550 metres varies from barren to stunted cedar due to a combination of the tree line and frequent battering by storms channelled easterly along Security Inlet.

The climate in summer is moderate with frequent light drizzle and rain. The winter months are cool and wet with frequent torrential downpours and high westerly winds. In winter the snowpack rarely persists for any length of time below 300 metres.

CLAIMS, OWNERSHIP AND PROPERTY STATUS

The claims comprising the Cimadoro property have been divided into the Cimadoro East and Cimadoro West Groups. All claims are contiguous and are held by Doromin Resources Limited. The groups are listed below and shown in Figure 1.

Cimadoro East Group (total 99 units)

<u>Claim</u>	<u>Units</u>	<u>Record Number</u>	<u>Expiry Date*</u>
Cimadoro 1	20	6835	4 Aug. 1990
Cimadoro 3	20	6837	4 Aug. 1990
Lucimin 1	20	6855	15 Aug. 1990
Lucimin 2	20	6856	15 Aug. 1990
Lucimin 3	18	6857	15 Aug. 1990
Lucimin 5	1	6853	15 Aug. 1990

Cimadoro West Group (total 99 units)

<u>Claim</u>	<u>Units</u>	<u>Record Number</u>	<u>Expiry Date*</u>
Cimadoro 2	20	6836	4 Aug. 1990
Cimadoro 4	20	6838	4 Aug. 1990
Lucimin 4	18	6858	15 Aug. 1990
Lucimin 6	1	6854	15 Aug. 1990
Luptak	20	7293	10 Mar. 1990
Luptak 2	20	7294	15 Mar. 1990

* Prior to recording of work described in this report.

Teck Corporation entered into an agreement with Doromin Resources Limited whereby Teck can earn a 60% interest in the Cimadoro property by funding a certain amount of exploration on the property. Doromin has retained Teck to perform the work.

PREVIOUS WORK

The Cimadoro property claims are the first known mineral claims staked in the immediate area. The area was prospected by Efrem Specogna in 1971 for porphyry copper mineralization. Silt samples collected at that time were analysed for copper and molybdenum. Moderately anomalous copper values were obtained from Deena Creek. Molybdenum was not anomalous, and following brief prospecting of the drainages, no further work was done.

In 1988 Specogna re-visited the area, and with more thorough prospecting located semi-massive banded sulphide boulders near the headwaters of Deena Creek and an oxidized sulphide with barite showing in place.

In 1989, prior to commencement of a detailed exploration program, Teck Corporation sampled the tributaries of Deena Creek near its headwaters and confirmed moderately anomalous base metal, gold and barite values in silts.

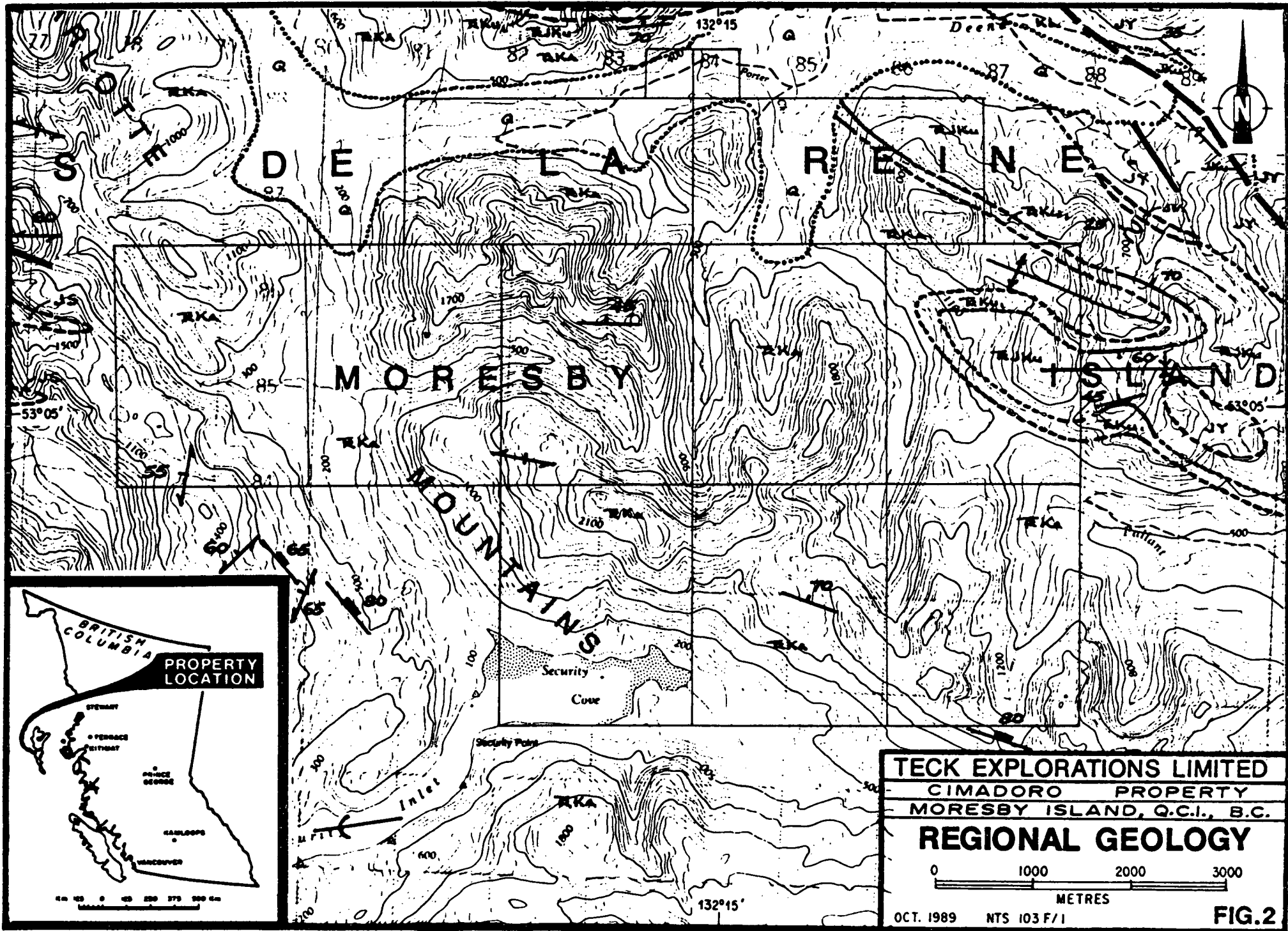
The geological mapping, geochemical sampling, and geophysical surveying along the strike extensions of the main showings conducted by Teck Corporation in 1989 is independent of the drill testing of the main showings; and the work is being compiled and evaluated separately.

GENERAL GEOLOGY

The Queen Charlotte Islands, including the area of the Cimadoro property, was mapped by A. Sutherland Brown between 1958 and 1965 (BCDM Bul. 54). The quality and detail of mapping is excellent considering the large area covered and limited access at that time. Sutherland Brown's geology in the area of the property is reproduced at a scale of 1:50,000 in Figure 2.

The entire property is mapped as being within the Triassic to Jurassic Vancouver Group volcanics and sediments. Most of the claim area is underlain by Triassic Karmutsen Formation basic submarine extruded lavas striking west-northwest with a steep north dip near Security Cove, and changing attitude to east-west with a moderate north dip towards the north. Vertical schistosity and steep north dipping jointing follow the strike of bedding. The northeast corner of the property is underlain by tightly folded Triassic and Jurassic limestones of predominantly the Kunga Formation, and Jurassic sediments of the Yakoun and Manche Formations.

Approximately 200 metres due south of the Cimadoro LCP, the Karmutsen volcanics are in shear contact with bedded cherts, calcareous siltstones, and probably rhyolitic tuffs striking about N30W with steep northerly dip, which are profusely intruded by diabase and gabbro sills. Diabase or diorite sills may intrude also the Karmutsen volcanics northeast of the shear contact. The relationship of the bedded rocks to the Karmutsen volcanics southwest of the contact is not clear, and additional mapping of the property will be required to determine whether they should be included in the Karmutsen Formation.



TECK EXPLORATIONS LIMITED
CIMADORO PROPERTY
MORESBY ISLAND, Q.C.I., B.C.

REGIONAL GEOLOGY



OCT. 1989 NTS 103 F/1

FIG.2

QUATERNARY

Q

Recent alluvium.

Vancouver Group (Triassic-Jurassic)

JURASSIC

JY

Yakoum Formation: porphyritic andesite, agglomerate and flows, calcareous scoriaceous lapilli tuff, volcanic sandstone and conglomerate.

JM

Maude Formation: grey blocky argillite and shale, grey green lithic sandstone.

JURASSIC-TRIASSIC

RJKu

Kunga Formation: massive grey limestone, flaggy black argillite-undivided

RKu₁

Massive grey limestone member.

TRIASSIC

RKA

Karmutsen Formation: basalt massive flows, pillow lavas, pillow breccia and tuff, related sills, minor interlava limestone.




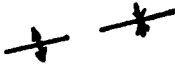




-  Bedding
-  Secondary foliation, schistosity
-  Joints
-  Fold axes
-  Dragfold with plunge on anticline
-  Fault
-  Geological contact
-  Edge extensive alluvium.

Fig. 2(a): Regional Geology Legend

Lenses or pods of semi-massive to massive fine grained pyrite with galena and sphalerite, occasionally associated with barite, pyrrhotite and chalcopyrite, and often adjacent to lenses of limestone, occur near the shear contact. Larger float and talus boulders of the sulphides often display a well banded or bedded texture. The mineralized horizon is poorly accessible due to steep to sub-vertical cliffs, but it appears to be displaced by at least one set of post mineral and/or shear faults.

The purpose of the 1989 drilling program was to test the down dip extension of the sulphide showings.

SUMMARY OF WORK

Van Alphen Diamond Drilling Ltd. of Smithers, B.C. were contracted to prepare drill pads and to drill a minimum of 3000 feet (914.4 metres) to test the mineralized horizon down dip from the sulphide showings located in cliffs at the headwaters of Deena Creek. Only two suitable locations could be found where drill platforms could be cribbed up to test the showings with reasonable hole depths (Fig. 3). The drill sites are accessible only on foot or by helicopter long line sling.

The upper drill site is located at an elevation of 445 metres, and tested the expected down-plunge projection of the Lower Showing (Specogna's original discovery), the Upper Showing, and the Cliff Showing, outcropping at elevations of 510 metres, 560 metres, and 610 metres respectively. The lower drill site was located at an elevation of 375 metres to test Gord's Showing outcropping at an elevation of 460 metres (See Figures 3 and 4). Five holes were drilled from the upper drill site and one hole was drilled from the lower drill site for an aggregate hole depth of 956.1 metres. Of this total 433.7 metres (45.4%) were drilled on the Cimadoro West Group, and 522.4 metres (54.6%) were drilled on the Cimadoro East Group. Drilling of the first hole commenced on October 19, 1989 and the last hole was completed on November 17, 1989.

A modified SD 650 diamond drill with BDBGM tools (BQ thinwall equivalent) was used to recover 43mm diameter core. Acid tube test for the first hole and Sperry Sun single shot tests for subsequent holes were used to monitor hole directions).

The drill core was flown out by helicopter to a temporary core shack located on a logging road spur on the property. The core was logged, and all sections containing thin bedded rocks and/or visible sulphides were split for analyses. One half of the split core was sent to Chemex Laboratories in North Vancouver for geochemical gold FA-AAS, silver AAS, and 24 element ICP-AES total extraction analyses. Samples exceeding geochemical analyses upper limit reliability were assayed for gold, silver, copper, lead and zinc by standard assay procedures. Diamond drilling logs are reproduced in Appendix II, and analytical results are given in Appendix III.

All unsplit drill core is stacked in wooden core boxes at a logging spur road landing one kilometre north of the Cimadoro LCP. All split core is stored at Copper Bay Contracting Ltd. in Sandspit.

DISCUSSION OF RESULTS

All six drill holes penetrated the expected target horizon of cherts, argillites and siltstones at approximately vertically below the surface showings. However, no limestone as exposed on surface adjacent to the Lower and Gord's Showings was encountered. The sedimentary rocks almost invariably showed signs of brecciation or shearing indicating that the shear zone following the mineralized horizon on surface has close to a vertical dip. Although the sedimentary-igneous contact in all cases was distinct, diorites in most cases intruded the sediments. All drill holes intersected narrow cherty or argillic horizons northeast of the main sedimentary-igneous contact. These horizons are not evident on surface due to talus cover.

All drill holes had sulphide mineralization in the sediments at the sedimentary-igneous contact, but in no instance were the sulphides massive or semi-massive as exposed in the surface showings. In almost all cases the sulphides showed some stratabound banding, particularly in drill hole 89 TC-6 drilled below Gord's Showing. Sulphides were predominantly pyrite with traces of chalcopyrite, and in hole 89TC-6 also sphalerite and galena. Barite was not intersected in any of the holes.

Abundant faulting was observed in all drill holes, both within the mineralized horizon and on either side of it. Drill hole 89TC-2 shows an upper band of sulphide mineralized cherts between 98.6 and 110.4 metres displaced northerly from where expected from the location of the Upper Showing and other holes drilled from the upper drill site. A second band of cherts below the 218.4 metre depth could possibly be correlated with the Cliff Showing. Surface examination southeast of the Upper Showing and the area of the Cliff showing indicates complex faulting, and the trace of the mineralized horizon which can be followed from the Lower Showing to the Upper Showing probably has been displaced. It appears that faulting has not only followed the mineralized sedimentary-igneous contact zone, but that at least one other set of faults has displaced it.

Although the drilling program was not successful in locating mineralization comparable to the surface showings, it did test the mineralized horizon at fairly frequent intervals, and showed its continuity with depth (Fig. 4). Various possibilities, which either individually or in combination could have resulted in decreased mineralization down dip are:


- (a) Lenticular zones of mineralization;
- (b) Possible shallow northwestern plunge to better mineralization;
- (c) Possible sub-vertical faulting in the zone of mineralization as exposed on surface, truncating steeply north dipping mineralization to bring weakly mineralized cherts into fault contact with hanging wall rocks at the level of drill hole intersections.

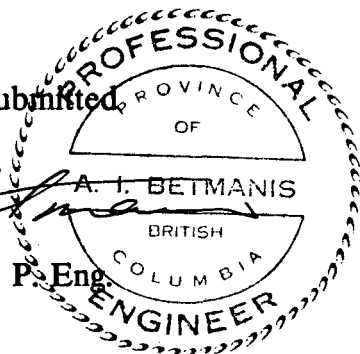
Complex cross faulting, as indicated on surface and suggested by drill hole 89TC-2 clearly disrupts the mineralized zone. Surface mapping to follow the mineralized horizon is difficult either because of topography or talus cover. Locating extensions to the mineralization may have to depend on drilling, either from the ridgeline south of the Cliff Showing, or from the steep hillside west of the lower drill site.

CONCLUSIONS

Massive to semi-massive lenses of sulphide mineralization occur on surface in sediments at the sedimentary-igneous rock contact. The six holes drilled located this contact down dip but with greatly reduced sulphide mineralization. The reasons for not encountering stronger mineralization in the drill holes may include lensing of massive sulphide zones, a shallow plunge, and faulting. Since the mineralized zone is poorly accessible on surface due to topography or talus cover, further testing of the zone should be done from locations northwest or southeast of the area previously drilled.

Respectfully submitted,


A.I. Betmanis, P. Eng.



February 26, 1990
Vancouver, B.C.


REFERENCES

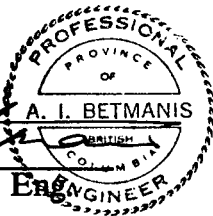
- Betmanis, A.I. (1989): **Report on Geochemical Silt Sampling, Lucimin Group, Cimadoro Property, Skeena Mining Division, Security Cove Area Moresby Island, B.C.**, report dated November 7, 1989 submitted for assessment.
- Gale, R.E. (1988): **Preliminary Report, Cimadoro Gold Prospect, Moresby Island, Q.C.I.**; qualifying report for Doromin Resources Limited dated September 18, 1988
- Specogna, E. (1989): **Geological Report on the Cimadoro Group, Moresby Island, Q.C.I.**; report by Doromin Resources Ltd. submitted for assessment, dated October 25, 1989.
- Sutherland Brown, A (1968): **Geology of the Queen Charlotte Islands, British Columbia;** B.C.D.M. Bul. 54.

STATEMENT OF QUALIFICATIONS

I, Andris I. Betmanis, do hereby certify that:

1. I am a geologist residing at 2600 Belloc Street, North Vancouver, B.C.;
2. I am a graduate of the University of Toronto with a degree of B.A.Sc in Applied Geology (1965);
3. I am a registered member of the Association of Professional Engineers of the Province of British Columbia, registration number 8336;
4. I have practised my profession as an exploration geologist continuously for the past 24 years as an employee of Teck Explorations Limited or associated companies in various parts of Eastern and Western Canada, Western U.S.A., and South America;
5. I was responsible for overall supervision of the exploration program on the Cimadoro Property of Doromin Resources Limited, and am familiar with the diamond drilling program between October 19 and November 17, 1989 described in this report.


A.I. Betmanis, P. Eng



The seal is circular with a double-line border. The outer ring contains the text 'PROFESSIONAL ENGINEER' at the top and 'BRITISH COLUMBIA' at the bottom. The inner circle contains 'PROVINCE OF' at the top, 'A. I. BETMANIS' in the center, and 'P. ENG.' at the bottom.

STATEMENT OF QUALIFICATIONS

I, Neil Humphreys, do hereby certify that:

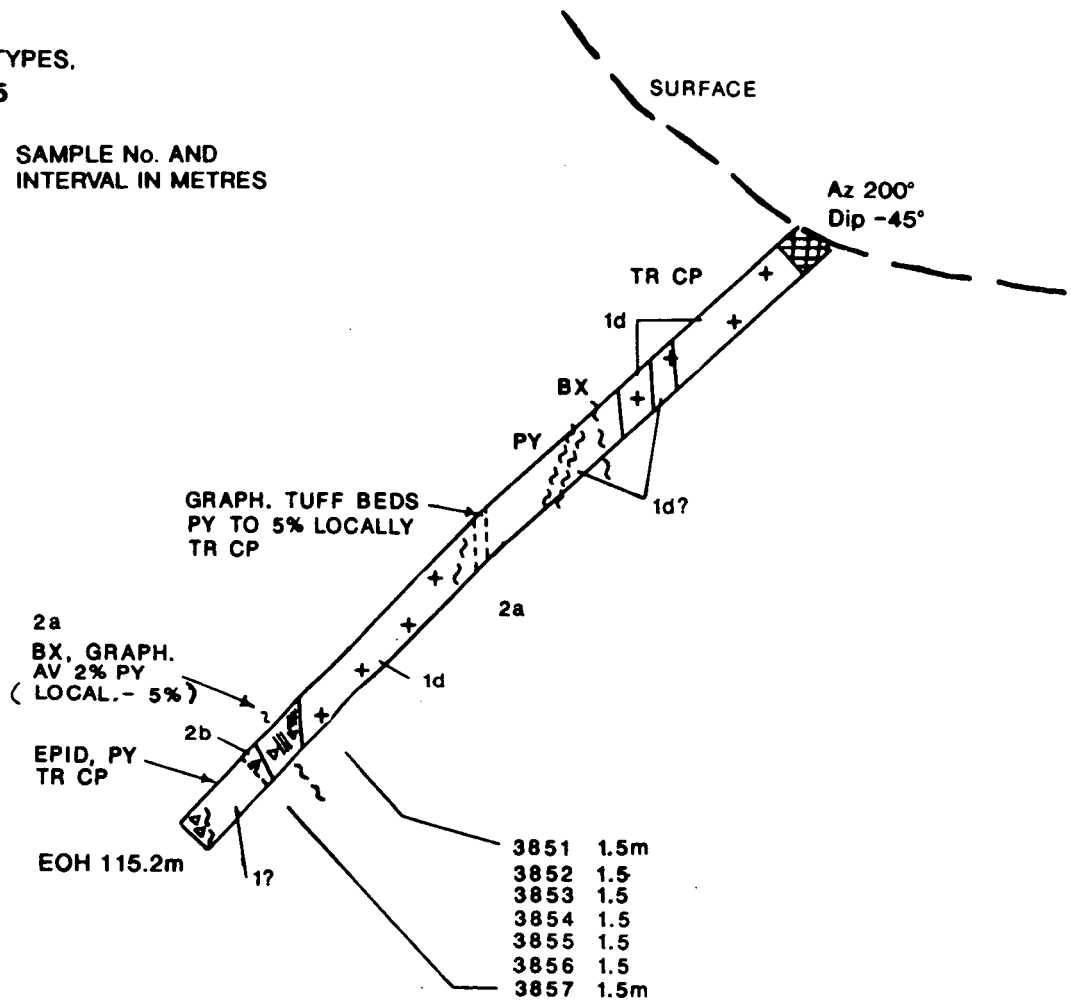
1. I am a geologist residing at 3028 West 14th Avenue, Vancouver, B.C.
2. I have a B.Sc degree in Geology from the University of Saskatchewan in 1978, and an M.Sc degree in mineral exploration from Queens University, Kingston in 1982.
3. I have been employed since graduation with several mining companies and have worked in Canada, the U.S.A. and the South Pacific.

I supervised the exploration and diamond drilling program, and logged the diamond drill core for Teck Corporation on the Cimadoro Property of Doromin Resources Limited between October 19 and November 17, 1989, as described in this report.






Neil Humphreys

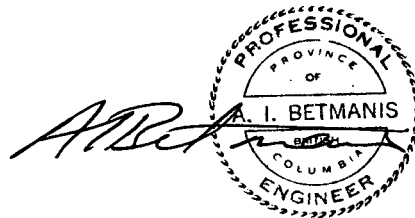
FOR ROCK TYPES,
SEE FIG. 5


3851 1.5 SAMPLE No. AND
INTERVAL IN METRES



LEGEND

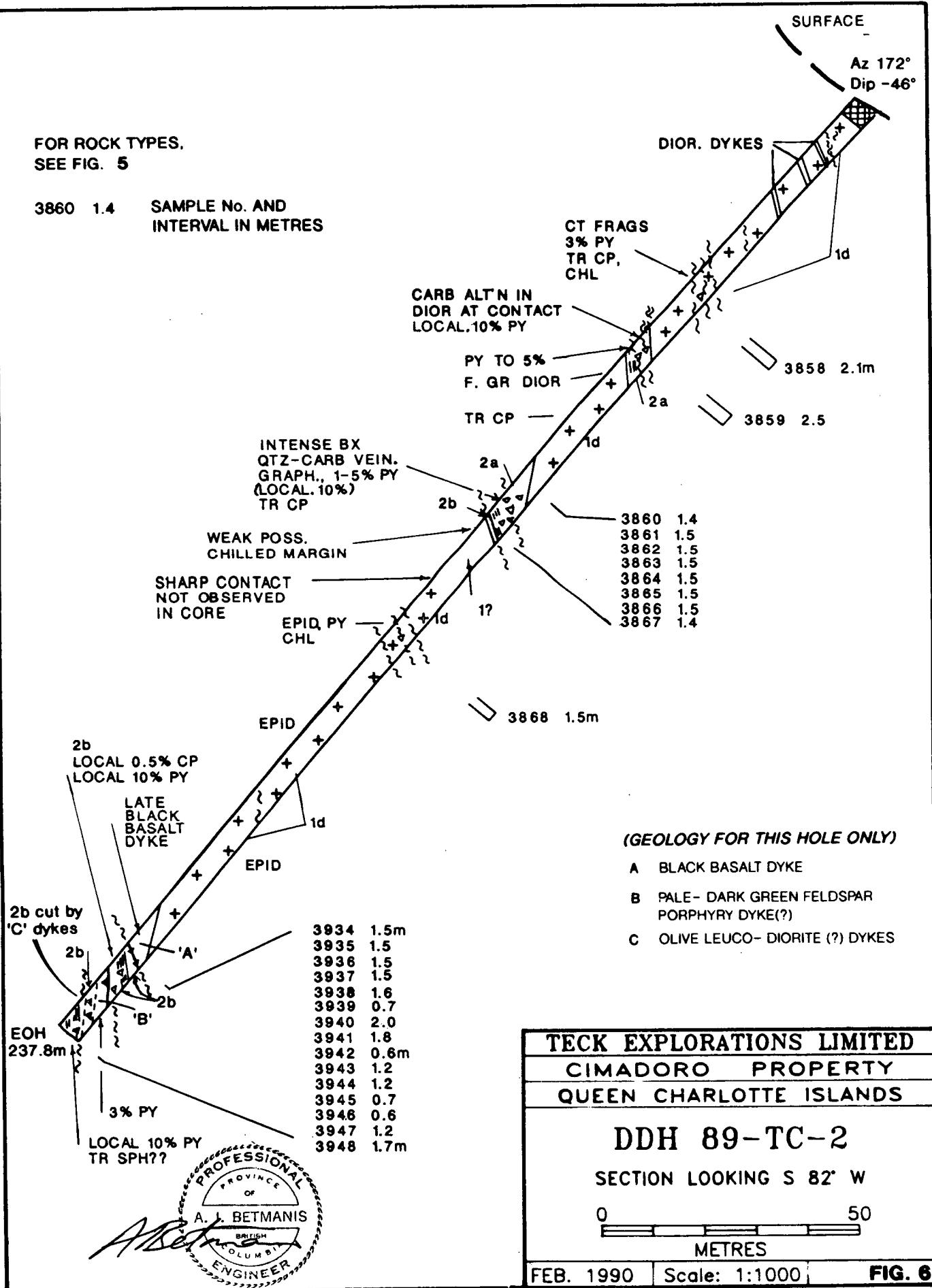
-  Talus overburden
 -  Basaltic diorite and basaltic rocks (1, 1d)
 -  Chert (2a), siltstone, argillite (2b); frequently brecciated
 -  Faulting, shearing
 -  Quartz vein
- py- pyrite; cp- chalcopyrite;
sph- sphalerite; ga- galena



TECK EXPLORATIONS LIMITED		
CIMADORO PROPERTY		
QUEEN CHARLOTTE ISLANDS		
DDH 89-TC-1		
SECTION LOOKING N 70° W		
 0 50 METRES		
FEB. 1990	Scale: 1:1000	FIG. 5

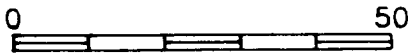
FOR ROCK TYPES,
SEE FIG. 5

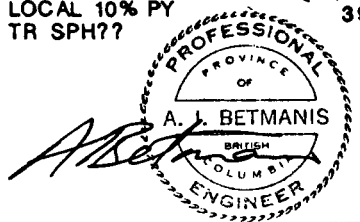
3860 1.4 SAMPLE No. AND
INTERVAL IN METRES



(GEOLOGY FOR THIS HOLE ONLY)

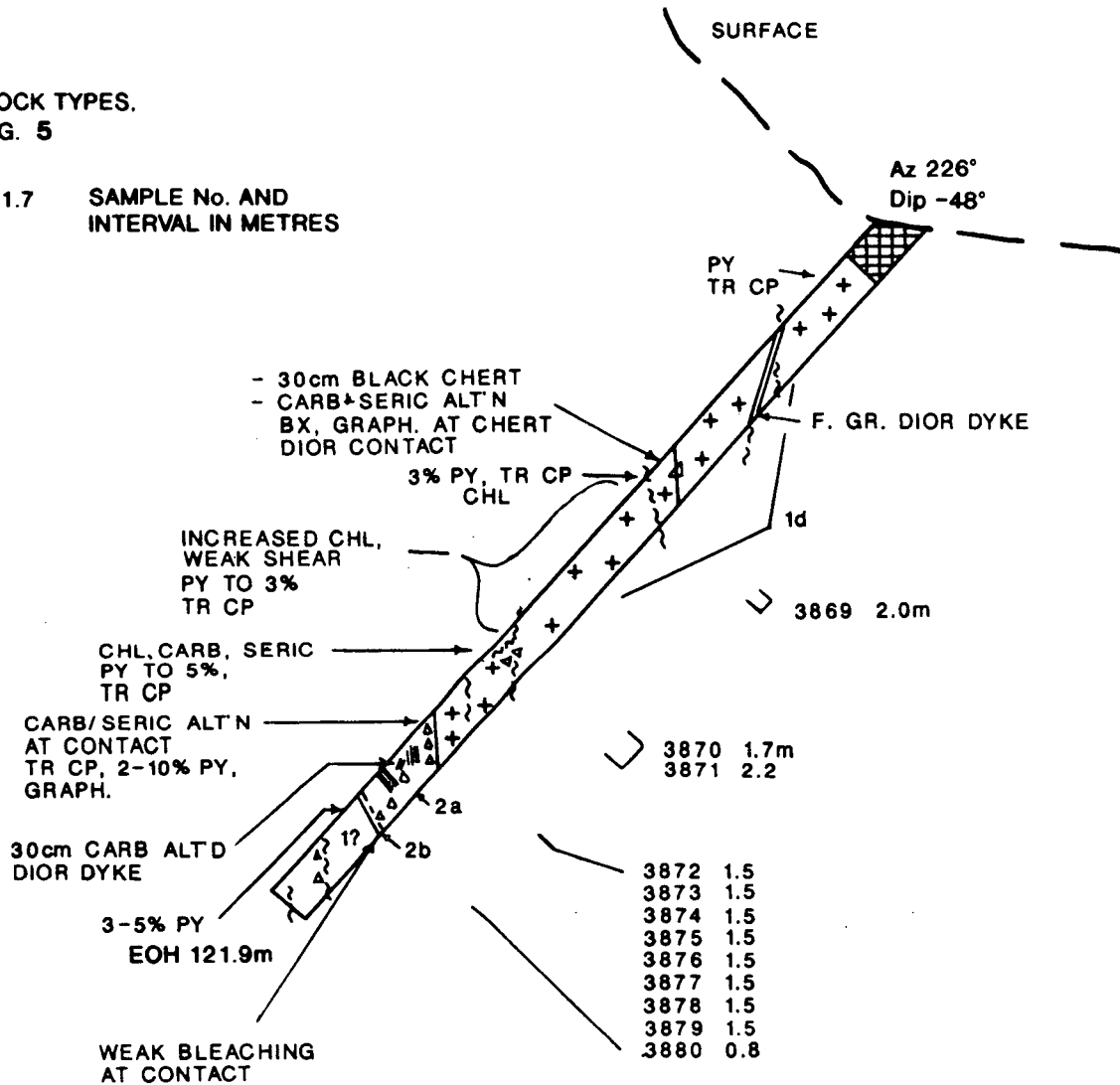
- A BLACK BASALT DYKE
- B PALE- DARK GREEN FELDSPAR PORPHYRY DYKE(?)
- C OLIVE LEUCO- DIORITE (?) DYKES

TECK EXPLORATIONS LIMITED	
CIMADORO PROPERTY	
QUEEN CHARLOTTE ISLANDS	
DDH 89-TC-2	
SECTION LOOKING S 82° W	
	
FEB. 1990	Scale: 1:1000
FIG. 6	



FOR ROCK TYPES.
SEE FIG. 5

3870 1.7 SAMPLE No. AND
INTERVAL IN METRES

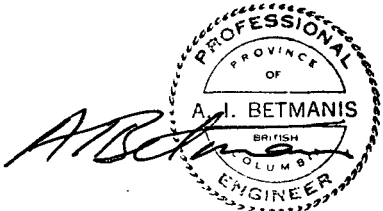
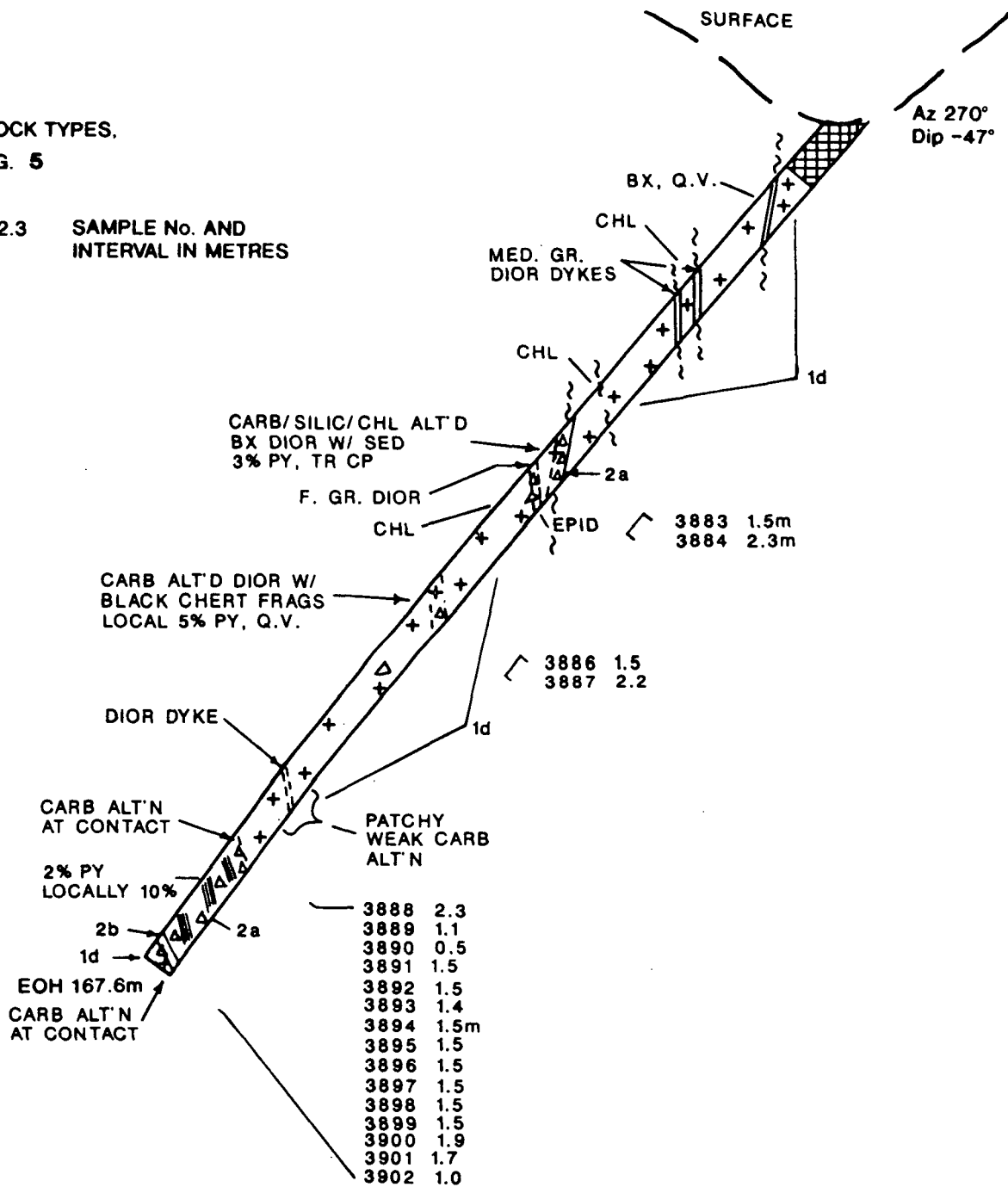


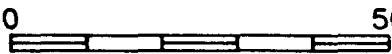
TECK EXPLORATIONS LIMITED		
CIMADORO PROPERTY		
QUEEN CHARLOTTE ISLANDS		
DDH 89-TC-3		
SECTION LOOKING N 44° W		
METRES		
FEB. 1990	Scale: 1:1000	FIG. 7



FOR ROCK TYPES,
SEE FIG. 5

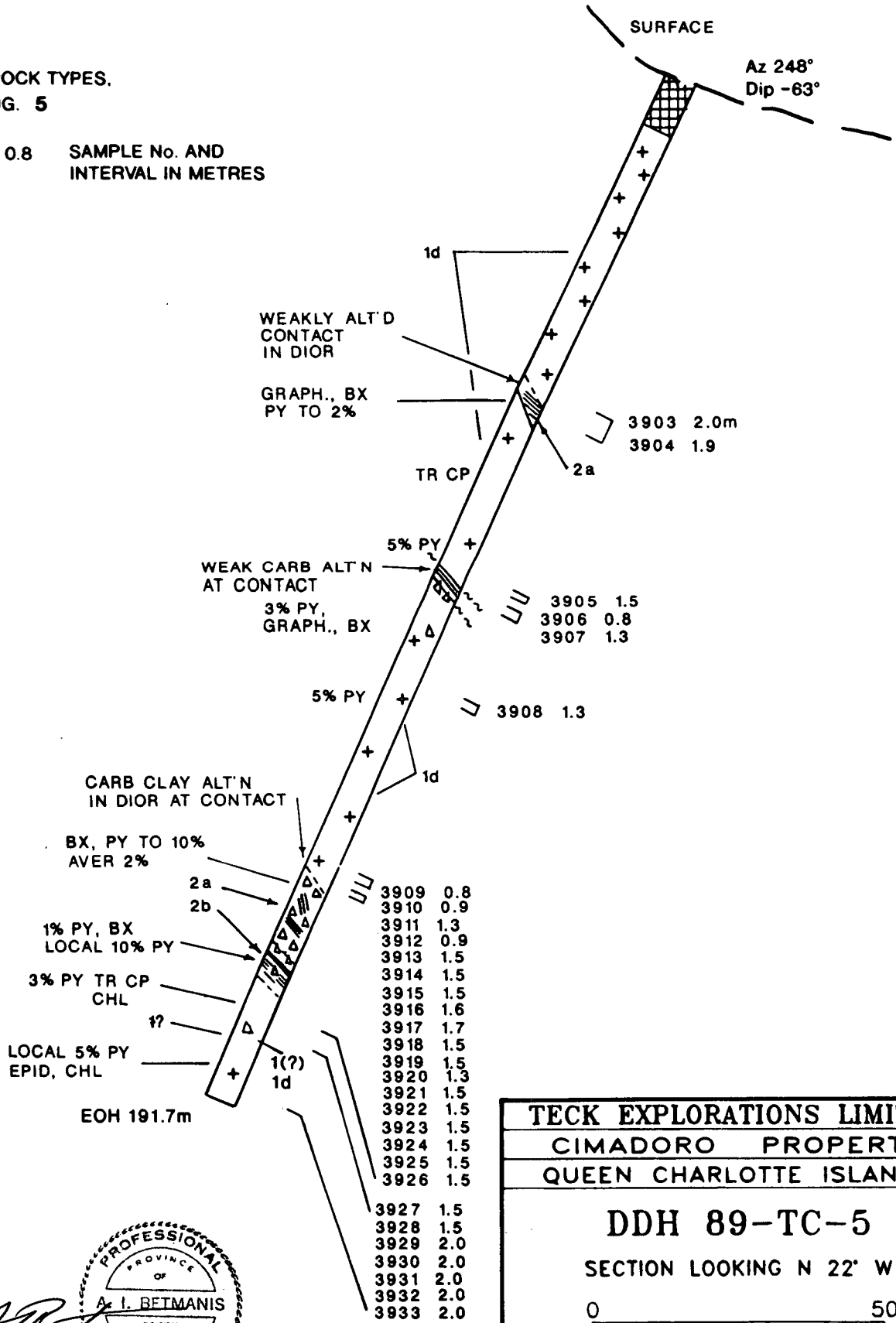
3888 2.3 SAMPLE No. AND
INTERVAL IN METRES



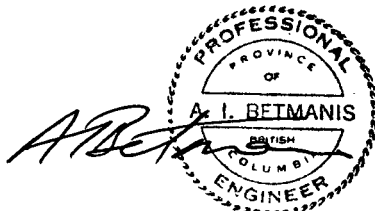
TECK EXPLORATIONS LIMITED		
CIMADORO PROPERTY		
QUEEN CHARLOTTE ISLANDS		
DDH 89-TC-4		
SECTION LOOKING DUE N		
0  50		
METRES		
FEB. 1990	Scale: 1:1000	FIG. 8

FOR ROCK TYPES.
SEE FIG. 5

3909 0.8 SAMPLE No. AND
INTERVAL IN METRES

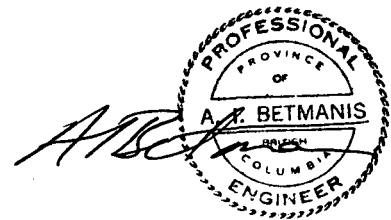
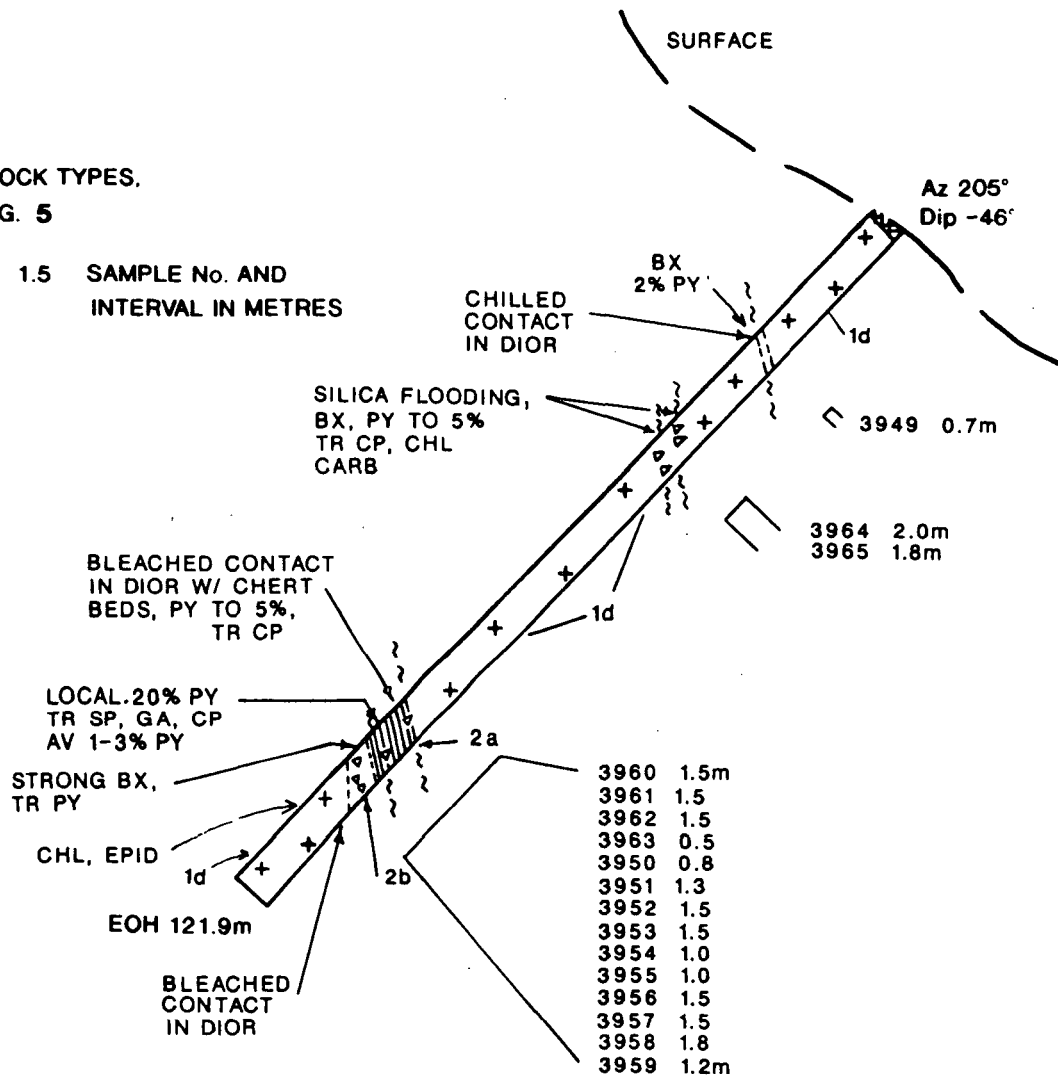


TECK EXPLORATIONS LIMITED		
CIMADORO PROPERTY		
QUEEN CHARLOTTE ISLANDS		
DDH 89-TC-5		
SECTION LOOKING N 22° W		
0 50		
METRES		
FEB. 1990	Scale: 1:1000	FIG. 9



FOR ROCK TYPES.
SEE FIG. 5

3960 1.5 SAMPLE No. AND
INTERVAL IN METRES



Sample No.	AU oz/T	Ag oz/T	Cu %	Pb %	Zn %
3951	< 0.001	0.40	0.10	0.13	1.34
3952	< 0.001	0.10	0.02	0.02	0.33
3953	< 0.001	0.04	0.01	< 0.01	0.05
3954	< 0.001	0.04	< 0.01	0.01	0.05
3955	< 0.001	0.03	< 0.01	< 0.01	0.09

TECK EXPLORATIONS LIMITED		
CIMADORO PROPERTY		
QUEEN CHARLOTTE ISLANDS		
DDH 89-TC-6		
SECTION LOOKING N 65° W		
FEB. 1990	Scale: 1:1000	FIG. 10

0

APPENDIX I
STATEMENT OF COSTS

STATEMENT OF COSTS

Labour

Neil Humphreys, geologist, 34 days @ ²³⁰ \$340 /day	\$7,820.00	
A.I. Betmanis, geologist, 2 days @ \$250/day	500.00	
Kevin Chubb, assistant, 38 days @ \$180/day	<u>6,840.00</u>	\$15,160.00

Contract Drilling (Van Alphen Diamond Drilling Ltd.)

956.1 metres BDBGM core drilling, includes mob and demob, site preparation, consumable materials, Sperry Sun rental, and living allowance	
	\$104,806.65

Helicopter Charter (Vancouver Island Helicopters)

15.5 hours mob and demob drill, drill move, fuel service, core transport	
	\$8,851.55

Accommodation (Sandspit Inn)

72 man-days @ \$65/day average	
	\$4,680.00

Analytical (Chemex Labs)

144 rock geochem preparation @ \$3.75	\$ 540.00	
144 total ICP-24 @ \$11.00	1,584.00	
144 Au FA-AAS geochem @ \$7.00	1,008.00	
5 Au, Ag, Cu, Pb, Zn assays @ \$31.00	<u>155.00</u>	\$3,287.00

Transportation

38 days 4x4 truck rental @ \$50/day	\$ 1,900.00	
Fuel, 38 days @ average \$8/day	304.00	
Sample shipping	<u>200.00</u>	\$2,404.00

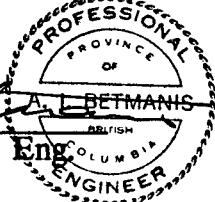
Report Preparation

\$500.00

Total Drilling Project Costs	
	<u>\$139,689.20</u>

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The above costs were expended on drilling on both the Cimadoro East and Cimadoro West Groups. Based on metres drilled on each group, the costs are prorated as \$76,270.30 to the Cimadoro East Group (54.6%), and \$63,418.90 to the Cimadoro West Group (45.4%).



 A.I. Betmanis P. Eng.

APPENDIX II

DRILL LOGS

DIAMOND DRILL HOLE LOG

TECK CORPORATION



LEGEND	
_____	_____
_____	_____
_____	_____
_____	_____

SURVEY

Depth	Bearing	Inclination
39.6m	-	-42°
76.2m	-	-45°
96.0m	-	-46°

Property	CIMADORO	Hole No.	89-TC-1
Location	UPPER DRILL SITE	Bearing at collar	200°
		Inclination at collar	-45°
Coord.- Collar N		Length	115.2 m
E		Core Size	BDBGM
Elev.- Collar		Date Started	20 OCT, 1989
Date Completed	23 OCT, 1989	Logged By	N. HUMPHREYS

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL			BOX
				Run	%	Sample	Interval to	width	
0-5.2 CASING									
5.2 - 27.4 DIORITE MASSIVE, VERY FINE GR., DK GREENISH-GRY w/ 5-15% 3-10mm FSPAR CLOTS - GLOMERO-PORPHYRITIC TEXTURE - COMMON CHL ALONG FRACT - MINOR 1-2mm QTZ & FSPAR, SERIC VEINETS - ALL ORIENT BUT OFTEN 45° TO C/A, CALL VEINLETS ~ 45° TO C/A - RARE SPECK PY OR CP				5.2	98%				
5.2 - 9.0 75% RECOV. 14.8 - 15.0 CHL SLIPS 0° TO C/A MINOR CALL VEINLETS 13.0 - 14.0 BLOCKY, 85% RECOV 19.0 3mm CHLORITIC SHEAR w/ V.F.GR. PY 45° TO C/A TR DICS CP 26.7 - 27.2 NON-PORPH BED(?) w/ ABUNDANT CALL VEINLETS									
27.4 - 30.6 DIORITE(?): V.F.GR. EQUI-GRAN MED GREY, COMMON IRREG QTZ-CALL VEINLETS - AT UPPER CONTACT - DK GREY SILTSTONE BED ~ 10cm w/ 35° TO C/A CONTACT									

DDH: 89-TC-1

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL					BOX	
				Run	%	Sample	Interval to	width				
27.4-30.6 (CONT) UPPER CONTACT ~ 20° TO CIA OBSCURED BY G.V.												
30.6-36.6 DIORITE AS FROM S.2 - 27.4, GLOMERO-PORPH TEXTURE 22.4 POUNDED 2-5CM QZ-RICH FRAGS SUGGESTS UNIT IS PROB. INTRUSIVE - TOWARDS BOTTOM OF SECT - DECREASE IN PHENOS AND INCREASE IN L. GRAY SILICEOUS PATCHES/FRAGS W/ WHITE QZ FLOTS				27.4 ↓ 59.7	97%							
36.6-59.7 BASALT (?) AS ABOVE BUT NO PHENOS - V.F.GR. (PHLORITIC) UPPER CONTACT BROKEN BUT APPEARS GRADAT.												
37.7 - IRRG. SHEARED 5MM QZ-CALC VEINLETS W/ 5% CLOTS OF V.F.GR PY 0-20° TO CIA												
39.2-39.4. BROKEN CORE, SILICIFIED, BK - PROB SMALL FAULT TR PY CLOTS.												
42.5-42.6 WEAK SHEAR W/ QZ-CALC VEINLETS W/ 10% V.F.GR PY 45° TO CIA												
45.1-48.5 SHEAR W/ INCREASED PY, IRRG Q.V. ~ 20° TO CIA, V.F.GR PY CLOTS AND FRACT-FILL ~ 1-2%												

DDH:
39-TC-1

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
36.6-59.7 (cont.)										
59.7-61.3 <u>CHERT ARGILLITE GRAPHITE</u>				59.7						
BLACK, w/ PALE GREEN TUFFACEOUS BEDS TO 20 CM, LOCALLY 5% PY IN FRACT. MINOR Q.U. TO 1 CM, 65% REC				↓	65%					
				61.3						
61.3-94.0 <u>DIORITE (?) AS FROM 5.2-27.4</u>										
ALOMERO-PORPHY COMMON										
← 5mm QTZ/CALC VEINLETS, ALL ORIENT BUT COMMON 45° TO C/A										
64.4-65.6 <u>SHEAR BRECCIATED</u>										
SHEARED w/ 1-5mm				64.3						
IRREG. QTZ w/ CALC VEINLETS				↓	95%					
w/ TR CP 1% PY ALONG				94.0						
FRACT. 10-30° TO C/A										
76.1 FAINT BEDDING (?) 45° TO C/A										
FROM ~ 76m FEWER AND MORE SCATTERED FSPAR PHENOS - MORE DIORITIC-LOOKING - FINE GRAINED w/ CHLORITIC BED FRACIES & MOTTLED AREAS w/ COARSER GR. AND/OR PORPHYRITIC DIORITE										
92.5-94.0 <u>BUFF, BLEACHED SOFTER</u>										
ROCK, WEAKLY CALC										
INCREASE IN PY IN FRACT TO ~ 2% TOWARDS CONTACT.										
94.0-103.0 <u>CHERT</u> SHATTERED, BRECC LAMIN - THINLY BED						3851	92.5-94.0	1.5		
SHEARED BLACK, GRAPHITIC ARGILL CT - MED GREY CT.				94.0		3852	94.0-95.5	1.5		
COMMON QTZ/CALC VEINLS + MATRIX FILLING.				↓	94%	3853	95.5-97.0	1.5		
				103.0		3854	97.0-98.5	1.5		
						3855	98.5-100.0	1.5		
Py AS COARSER CLOTS AND MINOR PY-RICH 1-2mm BANDS w/ V.F. GR. PY - COMMON PY ALONG FRACT										

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
94.0 - 103.0 (CONT.)										
PY - MAX 5% OVER A FEW CM. USUALLY 1-2%										
94.0 CONCORD CONTACT? BEDDING 50° TO 9/A						3856	100.0 - 101.5	1.5		
94.2 - 95.8 STRONG BX										
97.0 START OF ABUNDANT L. GREY STREAKY BANDS - SHEARED BEDS N 80° TO 9/A MINOR PY - RICH SILT BANDS N 3MM WIDE										
99.0 - 102.0 INCREASE IN V.F. BANDING CT/SILTSTONE, MINOR MASSIVE PY BANDS TO 3MM 75° TO 9/A										
102.0 - 103.0 STRONG BX ABUNDANT CREAMY CT.										
103.0 - 115.2 BASALT MED GREENISH MED GREY, V.F. GR, EQUI-GRAN MASSIVE; MINOR HAIRLINE FRAC W/ EPID, PY, CP, PO < 1% CARB - COMMONLY 30° TO 9/A										
103.0 - 103.9 LIGHTER GREY MORE CHLORITIC SCATTERED QZ-CARB-CHL VEINLETS W/ TR CLOTTY CPY - CONTACT W/ LCT IS ~ 90° BUT IS NOT CLEAR										
113.0 - 115.2 BROKEN CORE, MORE CHLORITIC, WEAK BX, BROKEN QZ VEINLETS W/ TR CP, PY EPID.										
115.2 END OF HOLE										

DDH:
89-TC-1



DIAMOND DRILL HOLE LOG

TECK CORPORATION

LEGEND	
_____	_____
_____	_____
_____	_____
_____	_____

SURVEY

Depth	Bearing	Inclination
54.9	171°	-48
115.8	172°	-49
204.2	172°	-50

Property	CIMADORO	Hole No.	89-TC-2
Location		Bearing at collar	172°
		Inclination at collar	-46°
Coord.- Collar N		Length	2378m
	E	Core Size	BDBGM
Elev.- Collar		Date Started	24 OCT, 1989
Date Completed	13 NOV 1989	Logged By	N HUMPHREYS

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL			BOX
				Run	%	Sample	Interval to	width	
0-4.6 CASING									
4.6-90.8 DIORITE : F.GR MED									
GREY w/ 1mm CHLORITIZED MFIIC SPOTS, SCATTERED CLOTS OF FSPAR XLS (TO 5%) COMMON 1-2mm QTZ/CARB/CHL VEINLETS, ALL ORIENT BUT COMMON 45° TO C/A TR DISS. PY, CHL IN FRACT									
90.8-10.8 WEAK SHEAR IN DIORITE									
BROKEN CORE, MORE CHLORITIC. COARSE QTZ/CARB PODS, ESPECIALLY 10.2-10.8, BX, 18 TO C/A, TR PY IN FRACT									
10.8-44.3 DIORITE : AS ABOVE									
BUT w/ UP TO 20% FSPARS IN GLOMERO-PORPHYRITIC TEXTURE TR DISS PY - COMMON CHL ALONG FRACT. - COMMON 1-2mm IR RPT QTZ/CARB VEINLETS, COMMONLY 45° TO C/A									
10.8-11.8 SHEARED, MORE CHLORITIC, MINOR BX, QTZ PODS 10.8-11.8 45° TO C/A									

DDH: 89-TC-2

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
10.8 - 44.3 (CONT.)										
13.2 - 13.5, 13.8 - 15.2 F.GR EQUI-GRAN DIORITE w/ SALT/PEPPER TEXT. SHARP CONTACTS ~60° TO C/A										
18.8 - 19.5 AS ABOVE w/ CHILLED CONTACT 60° TO C/A 40% AMPHIB, [PYX AND AMPH]										
26.5 - 27.0 F.GR DIOR DYKE AS ABOVE CONTACT 45° TO C/A				4.6	97%					
35.8 - 36.7 WEAK SHEAR/FAULT. BROKEN CORE, MORE CHL. INCREASE IN QTZ/CARB VEINS, MINOR BX RARE FRAG. OF CARB ALTP F.GR DIOR DYKE				44.3						
42.0 FERR PHENOS ARE BECOMING LESS ABUNDANT GRAD. CONTACT → NON-FORM DIORITE → V.F. GR. DIOR w/ WEAK DIABASIC TEXTURE				44.3						
44.3 - 51.6 V.F. GR. DIORITE, MORE STRONGLY CHLORITIC, WEAKLY SHEARED, MED. GREEN, EQUI- GRANULAR, SHEARING ~45° TO C/A. UP TO 20% PY AS FRACT-FILL AND CLOTS. ABUND. BROKEN CORE				63.3	96%	3858	49.5-51.6	2.1m		
44.3 10 CM BL. CT. FRAG (ANGULAR)										
49.5 - 51.6 INCREASE IN PY TO 3% LOCALLY; CLOTS, FRACT-FILL TR CP LOCAL CRACKLE BR. SERICITE, QTZ/CARB VEINLETS										
51.6 - 63.3 V.F. GR DIORITE: AS ABOVE BUT LESS SHEARED/ CHLORITIC MINOR QTZ/ CARB. VEINLETS										

DDH:
89-TC-2

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
516-63.3 (CONT.)										
63.0-63.3 BUFF DOLOMITIC CARR. PERK ALT ^N AT CONTACT, 10% PY OVER ~ 5 CM AT CONTACT WHICH IS IRREG BUT ~ 45° G/A - CHERT HAS ~ 1 CM ALT ^P CONTACT.										
63.3-65.7 FAULTED BLACK CHERT/SILTSTONE				63.3		3859	63.3-65.7	2.5		
STRONGLY SHATTERED W/ QTZ VEINLETS NEAR UPPER CONTACT MINOR GOUGE AND FRAGS OR DYKES OF BUFF ALT ^P DIORITE, PY AS CLOTS, FRACT FILL, 5% LOCALLY GENERALLY 1% SHEARED LOWER CONTACT ~ 60° G/A BEDDING/SHEARING VARIES 10-30° W/ G/A.				↓	92%					
				65.7						
65.7-98.6 DIORITE F.G.R.										
W/ 1-20% PSPAR PHENOS. TR DISS PY, MINOR IRREG QTZ CLOTS, VEINLETS. - MUCH WEAKER ALT ^P AT LOWER CT CONTACT BUT THERE IS A CHILLED MARGIN										
69.1-70.1 FINE GR. VARIETY OF DIORITE W/ SHARP CONTACTS @ 45° W/ G/A										
77.2 A FEW CLOTS CP IN QTZ/CARR. FOD 10° W/ G/A										
80.0 FUZZY CONTACT BETWEEN PHENO-RICH/PHENO-POOR DIOR 45° W/ G/A.										
88.0-92.7 FEW PHENOS AND COMMON MED GR. EQUI- GRAN. PATCHES.										
				98.6						
				↓	97%					

DDH:
89-7c-3

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL					BOX	
				Run	%	Sample	Interval to	width				
98.6 - 110.4 (CONT.)												
107.6 - 108.0 INTENSELY BK L. GREY CT.												
108.6 - 109.3 INCREASE IN V.F. GR. PY IN BANDS AND BRECC WISPS. LOCALLY 5-10% AV. 3%, ONE 3CM PALE BROWNISH PYRITIC CT BED HERE												
109.7 - 110.4 CREAM - L. GREY CT W/ COMMON SERIC ALONG BED PLANS AND X-CUT FRACT. MUCH OF SECTION HAS SOME SHEARING AND BRECC. W/ ANGULAR CM-SIZED FRAGS. BED 60° W/ 1/4 LOWER CONTACT IS BRECC BUT LOOKS ~ CONFORM												
110.4-213.5 V.F. GR DORITE ? BASALT (?) MED GREENISH GREY, V.F. GR. EQUI-GRANULAR, COMMON HAIRLINE QTE/CARB VEINLETS W/ EPID, PY, PO (TRACES) CHL - AT UPPER CONTACT 10 CM OF LIGHTER COLOURED BASALT LOCALLY 1% SCATTERED FSPAR PHENOS.												
113.4 - 119.0 SLIGHT INCREASE IN QTE VEINLETS, RARE BRECC QTE/CARB VEIN TO 3cm WIDE 45% W/ 1/4 RARE 1mm PY VEINLETS												
					110.4	95%						
					213.5							

DDH: 89-7c-2

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX	
				Run	%	Sample	Interval to	width			
<p>- AND A FEW % FSPAR PHENOS</p> <p>213.5-218.4 <u>BLACK BASALT DYKE</u></p> <p>SHEARED, BRECC DIOR OVER ~ 10 CM AT CONTACT 25° w/ c/a BLACK V.F. GR - AFANITIC EQUI GRAN.</p> <p>- 20 cm OLIVE COLOURED CONTACT ZONE + DOLOMITE AND SERIC (?) IS FRAC. RELATED.</p> <p>- ~ 1/2 % SPECK OF V. F. GR PY. IN CLOTS AND ALONG FRAC. - MOST IS NEAR UPPER CONTACT.</p> <p>- 217.3-218.4, OLIVE DOLOMITE CONTACT ZONE</p> <p>- BY OVER 30 CM AT CONTACT W/ FRAGS OF ALT^p BASALT ROCK AND BRECC. WHITE Q.TZ VEINS WHICH CONTAINS FRAGS OF 218.4 - CHL VEINED ALT^p BASALT 226.0 RARE SPECK PY 213.4 - <u>WHITE CHERT - SILTSTONE</u></p> <p>SHEARED AND BRECC AT CONTACT (60° w/ c/a) OVER 10 CM W/ ROUNDED GREENISH SERICITIC (?) FRAGS TO 1 CM AND CONCORD BUFF HAIRLINE LAMINATIONS - CARBONATE? TR PY</p> <p>- LAMIN TO THINLY BED @ 50° w/ c/a.</p> <p>- WHITE W/ VARIOUS SHADES OF GREY AND BUFF OR WITH A FAINT GREENISH TINGE DUE TO PROB SERICITE - SOME LAMIN. HAVE A GRANULAR - SILTY OR POSS TUFF LOOK.</p>											
					213.5	96					
					218.4						
							218.4				
							3934	219.9	1.5		
								219.9			
							3935	221.4	1.5		
								221.4			
							3936	222.9	1.5		
								222.9			
							3937	224.4	1.5		
								224.4			
							3938	226.0	1.6		

DPH:
 B9-7c-2

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
218.4 - 226.0 (CONT.)										
THE DARKER BEDS OFTEN HAVE A MOTTLED OR DIFFUSE LOOK - COMMON BUFF [CLAY-ESPAN] OR DK GREY [SERICIT-CHL] HAIRLINE FRACT - CONCORD AND DISCORD; SCATTERED MINOR COARSER QTZ/CARB VEINLETS.										
FROM ~ 223.0 INCREASE IN GREYISH BEDS WHICH ARE SILT TO V.F. GR SST BEDS. THESE HAVE UP TO 10% DISS. PY AND SERK										
⇒ 223.0 - 226.0 ~ 50% SILTY BEDS. CHERT HERE HAS PIN-PRICK SIZED WHITE XLS				284	92%					
BEDS IN THIS SECTION OFTEN STREAKY, SOME BRECC, SHEARNG AV. ~ 1% PY AS DISSEM OR ALONG FRACT. AWAY FROM SILTY BEDS.				↓						
~ 219.2 - 219.8. AV. 0.5% CP IN FRACT, LOCALLY 1% OVER 10 CM										
- 225.2 1 CM STREAKY FINE TO V. F GR PY-RICH (60%) BED										
LOWER CONTACT IS OBSCURED BROKEN CORE										
30 CM CORE OF DISTINCTIVE BR 80% ANGULAR SUB-ROUNDED TO ANGULAR WHITE AND GREY FRAGS IN A CALCAREOUS AND WEAKLY CHLORITIC MATRIX. ONLY TR PY										
92% RECOV.										

DDH: 89-TC-2

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX	
				Run	%	Sample	Interval to	width			
226.0 - 226.7 DK GREEN PORPHYRY (DACITE?)				97		3939	226.0 - 226.7	0.7			
- FINE GR. DK GREEN MATRIX W/ 5% ROUNDED-ANGULAR 2mm WHITE CALCITE (AFTER PREPARED?) PHENOS - THEY LOOK MORE LIKE PHENOS THAN AMYGD.											
3% PY DISS/FRACT. BOTH UPPER/LOWER CONTACTS NOT PRESENT IN CORE BUT ONE SMALL PIECE SUGGESTS A.V. FAINT GRAD. LOWER CONTACT - UPPER CONTACT APPEARS CHILLED OVER ~15CM W/ INCREASE IN F.GR DISS PY											
226.7 - 230.5 PALE GREEN ESPAR PORPHYRY (CENTRE OF DYKE?)											
APHANITIC - V.F. GR PALE SEA-GREEN MATRIX W/ 5% 1-2mm IRREGULAR CALC.						3940	226.7 - 228.7	2.0			
DEGRAD. ROUNDED ESPAR PHENOS AND 2% DK GREENISH CHL PHENOS [AFTER MARKS] 2% DISS PY CUBES				97		3941	228.7 - 230.5	1.8			
- ONE 8cm ROUNDED FRAG 10cm FROM LOWER CONTACT OF DK GREEN PORPHYRY SIMILAR TO SURROUNDING PORPHYRY - LOWER CONTACT IS FAINT - ~3cm FUZZY SECTION W/ INDISTINCT CONTACT @ ~30° w/ 9A											
230.5 231.1 DK GREEN PORPHYRY											
AS FROM 226.0 - 226.7 W/ 3% DISS PY CUBES. LOWER CONTACT NOT PRESENT				98		3942	230.5 - 231.1	0.6			

DDH: 89-7c-2

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX	
				Run	%	Sample	Interval to	width			
231.1 - 233.5 L. GREY <u>CHERT</u> - SILTSTONE											
THINLY BED, MOTTLED							231.1				
L. GREY CHERT W/ MINUTE						3943	232.3	1.2			
WHITE SPECKS (FSM?) TO					85						
5% AND MED. GRAY SILICIFIED							232.3				
SILTY BEDS W/ CLAY/SERIC (?)						3944	233.5	1.2			
COMMON BROKEN CORE AND											
BRECCIATED ~ 3-4 CM SECTIONS.											
- ONE FRAGM. SECTION COULD BE											
CLASTIC - COARSE SST.											
- LOWER CONTACT NOT											
PRESENT BUT 'CHERT' IS											
WEAKLY SHEARED AND IS PALE											
GREENISH FOR ~ 20-20 CM											
FROM CONTACT.											
- AV. 2% PY DISS AND FRACT.											
LOCALLY 5-10% OVER 10 CM											
ESP IN BX. AND CLASTIC BEDS											
- ONE FRACT HAS TR. BLACK											
XLS - SPH? V. TINY											
- BED 35% W/ CIA											
233.5 - 237.7 <u>LEUCO-DIORITE / CHERT?</u>											
MIXED SEQUENCE OF PALE							233.5				
OLIVE V.F. GR EQUIGRAN. DIOR?					80	3945	234.2	0.7			
COMMONLY BRECC W/ TWO											
60-80 CM GRAY CT. BEDS. (2)							234.2				
30% W/ CIA					80	3946	234.8	0.6			
- DIOR HAS STRONG HAIRLINE FRACT.											
AND 10 CM BRACKLE BX, 2-5%							234.8				
FRACT-FILL PY, LOCALLY 10% V.P.					60	3947	236.0	1.2			
DISS PY OVER 5 CM, MINOR QTZ/CARBONEMS											
- CHERT - MOTTLED/BRECC. 30% W/ CIA							236.0				
3% PY AS FRACT FILL. ONE TINY					60	3948	237.7	1.2			
SPECK OF SPH (?) IN FRACT											

DDH:
BP-7c-2

DIAMOND DRILL HOLE LOG

TECK CORPORATION



LEGEND	
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

SURVEY		
Depth	Bearing	Inclination
54.8	226°	-47°
97.0	228°	-48°
122.0	228°	-48°

Property	CIMADORO	Hole No.	89-TC-3
Location		Bearing at collar	226°
		Inclination at collar	-48°
Coord. - Collar N		Length	121.9m
E		Core Size	BDBGM
Elev. - Collar		Date Started	29 OCT, 1989
Date Completed	1 NOV, 1989	Logged By	N. HUMPHREYS

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL			BOX
				Run	%	Sample	Interval to	width	
0-7.6 CASING									
7.6 - 450 DIORITE									
MED. GREENISH-GREY, F.G.R. w/ GLOMERO-PORPH TEXTURE - CLUSTERS OF PSAR PHENOS TO TO 2 CM, WEAK EPID/CHL PERV. ALT # - MINOR SCATTERED F. BROKEN RT/FRAGS CHL/VEINETS TO 1CM WIDE, ALL ORIENT BUT COMMONLY 50° w/ SA, IR PT MINOR WEAK BUFF DOLOMITIC ALT ASSOC. w/ SOME Q.V., LOCAL SHEARING - MINOR FRAGS TO 1CM OF PHENO-RICH DIORITE - RARE. SPECK CP IN VEINS BROKEN CORE TO 11.6. - 85% RECOV + FEW PIECES OF BK CHERT TO 9.0				7.6	91%				
26.2 WEAK CHLORITIC SUGAR ~10CM w/ 2 CM Q.V. 45° w/ C/A				93.4					
28.2 60CM DYKE OF V.F - F.GR EQUI-GR. DIOR w/ SALT & PEPER TEXTURE, CONTACTS 25° w/ SA LOWER IS. SHEARED, CHLORITIC OVER 10 CM									

DDH:
89TC-3

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
716-45.0 (CONT) ~42m DECREASE IN FSPAR PHENOS WHICH APPEAR TO BE CHANGING INTO V. FAINT FSPAR-CHL(?) SPOTS. CHANGE IS GRADATIONAL SLIGHT INCREASE IN QTZ/CARB VEINLETS ~42.0 - 43.5.										
44.9-45.2 <u>CHERTY ARGILLITE</u> BLACK, WEAKLY GRAPHITIC UPPER CONTACT IS WEAKLY BRECC 60° TO 9/A W/ BUFF CARB-SERIC(?) ALT ⁿ IN DIORITE FOR 5CM; LOWER CONTACT IS STRONGLY BRECC AND VEINED W/ QTZ/CARB OVER 10CM. FRAGS OF SED IN DIORITE AND VISA VERA. BRECC, CARB/SERIC ALT ⁿ EXTENDS 40CM INTO DIORITE AT LOWER CONTACT (WITH BRECC QTZ/CARB VEINS TO 2CM) ONLY TR PY AND RARE CP AT CONTACTS.										
452-753 <u>DIORITE</u> V.F TO FIBR, SIMILAR TO THAT ABOVE CHERTY ARG. BUT ONLY ~50% FSPAR PHENOS TO ~47.5 WHERE PHENOS DIE OUT GRADUALLY										
49.0-753 <u>DIORITE BECOMES MORE CHLORITIC</u> THIS ZONE BEGINS FAIRLY ABRUPTLY BUT ANY CONTACT IS OBSCURED.										
49.3-51.3 <u>STRONGEST CHL.</u> WEAK SHEARING ~45° W/ 9/A, LOCALLY 3% PY, TR CP ALONG SHEAR PLANES.										
						3869	49.3-51.3	2.0		

DPH: 89-72-3

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
45.2 - 75.3 (CONT.)										
588-59.4 INCREASED HAIRLINE QTE/CARB VEINLETS 10° w/ C/A w/ 3% PY ALONG FRACT AND LESSER DISSEM										
643 - 70.8 SCATTERED QTE/CARB VEINS TO 2 CM w/ 1-2MM PY SEAMS TR CP ~2M SPARKINGS										
75.3 - 77.2 FAULTED DIORITE										
75.3 - 77.0 - L. GREENISH-DK GREY STRONGLY SHATTERED BRECC AND STREAKY DIORITE - ANGULAR FRAGS TO 3 CM USUALLY SILICEOUS, SOME MAY BE CHERT; MOD. STRONGLY CHLORITIC, SHEARS AND QTE/CARB 1/2 PY STREAKS AT 30° AND 0° w/ C/A ABUNDANT SPAR PHENOS IN THE MATRIX COMMON CARB/SERIC ALONG FRACT. - PY AS VEINLETS, STREAKS CLOTS, LOCALLY TO 5% (TR CP) NEARLY 2% RECOV. 97%						5870	75.3- 77.0	1.7		
						3871	77.0- 79.2	2.2		
77.0 - 79.2. MORE WEAKLY DX BUT w/ STRONG SHEARS AND QTE/CARB VEINLES - ALL ORIENT. VEINS TO 5CM AND BRECC. THIS SECTION IS MOSTLY MED GR DIO w/ PROMIN. CHLORITIZED MAFICS CONTACT w/ UNALTD DIOR. IS GLAD. AND MARKED BY WEAK BUFF CARB ALTY										

DDH:
89-TC-3

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX	
				Run	%	Sample	Interval to	width			
79.2 - 93.4 <u>DIORITE</u>											
F. GR. w/ 15% 1-2mm FSPAR PHENOS COMMON CHLORITIC FRACT, QTZ/CARB VEINLETS TO 1CM ALL ORIENT											
* BOX 15 80.2-85.6 WAS DUMPED BY THE GREAT GALE OF 8 NOV ∴ CORE IN BOX IS NOT IN ORDER; CORE IS MOSTLY FSPAR π DIORITE, MED GR. w/ MINOR F. GR NON- PORPHY DIORITE (DYKES?) COMMON QTZ/CARB, VEINLETS AND CHLORITIC FRACTURES											
85.6 - 93.4 <u>DIORITE</u>											
F - MED GR. 1-10% FSPAR PHENOS COMMON QTZ/CARB \pm CHL VEINLETS ALL ORIENT. TR PK IN FRACT/VEINS											
860 - 864 QTZ/CHL IN SHEARS 30° w/ γ A											
92.6 - 93.4 - BUFF COLOURED CARB/ SERIC CONTACT ALT w/ SHEARED QTZ/CARB/CHL VEINS											
93.4 - 105.5 <u>BLACK CHERY ARGILLITE</u>											
BLACK - MOTTLED DK GREY THINLY BEDDED - FINELY LAMIN. MUCH OF SECTION IS STRONGLY SHATTERED - BRECC w/ ANGULAR FRAGS TO 20CM. INTENSE HAIRLINE QTZ/CARB VEINLETS											

DDH:
84-72-3

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL					BOX	
				Run	%	Sample	Interval to	width				
93.4 - 105.5 (CONT.)						3872	92.4-94.4	1.5				
LOCALLY STR GRAPHITE SEAMS .70 5MM						3873	94.4-95.9	1.5				
UPPER CONTACT IS BX 45° w/ GA				93.4		3874	95.9-98.4	1.5				
← SOME BALE BROWNISH-GREY BANDS / FRAGS MAY BE SERICITIC.				↓	92%	3875	98.4-98.9	1.5				
				105.6		3876	98.9-100.4	1.5				
PY LOCALLY ^{DISS} IN 1CM BANDS OR FRAGS w/ 10% LESSER PY IN FRACT BOTH CONCORD/DISCORD						3877	100.4-101.9	1.5				
AV. PY F-2%						3878	101.9-103.4	1.5				
LAMINATIONS VARY 90°-45° w/ GA						3879	103.4-104.9	1.5				
95.3-95.6 CREAM STRONGLY SERIC/CARB ALT/ DMR (?) DYKE, CONTACT 10° w/ GA 5% PY IN FRACT.						3880	104.9-105.4	0.8				
98.0-100.2 INCREASE IN BUFF SILICEOUS BANDS / FRAGS TO 2CM w/ 5-10% V.F. DISS PY & TR CP (?) STRONG BX												
104.9-105.5 CREAM CHERT. CALAM. T. PALE GREENISH, BRCC THIN BEDS 45° w/ GA [CONTACT w/ BL CT IS 70° w/ GA] MINOR SERIC/CLAY ON FOAM												
* NOTE BOXES 17, 18, 19 LOST IN 30-40CM OF CHERT.												
A VERY MINOR AMOUNT OF CHIPS COULD BE IN THE WRONG SAMPLE INTERVALS												
RECOVERY IN CHERT ARG. SECTIONS → 82%												

DDH: 89-72-3

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL					BOX
				Run	%	Sample	Interval to	width			
105.5 - 121.9 <u>DIORITE (?)</u>											
V. VERY FINE - FINE GR W/ 1-2% SCATTERED FSPAR PHENO CLUSTERS. COMMON FRACTURED QTZ/CARB VEINLETS, LOCALLY BRECC COMMON CHL W/ 1-2% PY ALONG FRACTURES				105.5 ↓ 121.9	97%	3881	108.1-109.9	1.8			
105.5 - 105.7 WEAK BLEACHING QTZ/CARB/CHL 2MM VEINS 35° W/ C/A											
108.1 - 109.9 INCREASE IN VEINLETS OF QTZ/CARB/ CHL +/- EPD W/ IRREG. PY, LOCALLY 3-5% OVER A FEW CM						3882	114.0-115.3	1.3			
114.0 - 115.3 WEAK SHEAR W/ STRONG CHL, MORE BROKEN CORE ~45° W/ C/A SHEARS, LOCAL QTZ/CARB W/ BRECC PY TO 5%, TR CP											
119.6 - 119.7 WEAK SHEAR, INCREASE IN CHL.											
121.9 END OF HOLE											

DDH:
89-7c-3

89-TC-4

DIAMOND DRILL HOLE LOG

TECK CORPORATION



LEGEND	
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SURVEY		
Depth	Bearing	Inclination
18.3	271°	-49°
61.0	271°	-49°
94.5	271°	-50°
167.0	-	-52°

Property	<u>CIMADORO</u>	Hole No.	<u>89-TC-4</u>
Location		Bearing at collar	<u>270°</u>
		Inclination at collar	<u>-47°</u>
Coord. - Collar N		Length	<u>167.6m</u>
	E	Core Size	<u>BDBGM</u>
Elev. - Collar		Date Started	<u>1 NOV, 1989</u>
Date Completed	<u>6 NOV, 1989</u>	Logged By	<u>N. HUMPHREYS</u>

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval	width		
0 - 11.3 CASING										
11.3 - 66.2 DIORITE MED GREY F. GR 1-10% FSPAR CLOTS MAFICS ARE CHLORITIZED - COMMON QZ/CARB/CLAY/CHL VEINLETS. ONLY TR PY COMMONLY 30° W/ C/A				11.3 ↓ 66.2	97					
18.1 - 18.5 BRECC Q.V. W/ CARD AND WALL ROCK FRAGS. 35° W/ C/A.										
28.0 - SLIGHT INCREASE 2 IN NUMBER OF QZ/CARB VEINLETS										
36.4 - 36.9 } F. GR. DIORITE DYKES 40.6 - 41.4 } SALT/PEPPER TEXTURE SHEARED, BRECC CONTACT OVER 2-3CM ~ 40° W/ C/A MINOR CHL/RN.										
42.7 - 43.7 CHLORITIC SHEAR OVER 20CM AND PALE GREENISH SILICA/CARB/ CHL-FLOODED BRECC ZONE, ORIENT. UNCERTAIN										

DDH: 89-TC-4

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
11-3-662 (CONT.)										
579 - 59.1 - WEAK SHEAR w/ INCREASED CHL, MINOR CLAY SLIPS w/ CHL 30-450 w/ C/A MINOR BR QTZ/CARB VEINLETS 30° w/ C/A										
65.2 - 66.2 FSPAR PHENOS GRADUALLY DIE OUT TOWARDS CONTACT. ROCK IS PROGRESS FINER GR. AND LIGHTER GREENISH-GREY (INCREASED CHLORITE) TOWARDS CONTACT										
66.2 - 69.0 ALTERED DIORITE AND BLACK CHERTY ARGILLITE										
PALE GREENISH [SILIC & CHLORITIC TO BUFF [CARB] ALTERED V.F. GR BRECC DIORITE w/ IRREG. BRECC LENSES/FRAGMENTS OF CHERTY ARGILL FROM 1-30 CM WIDE. SED IS < 1m OF SECTIONS UPPER CONTACT 30° w/ C/A - GRADES FROM BRECC ALT DIORITE → FAINTLY BANDED GREENISH ALT CHERT (10cm) → MOTTLED DK GREY MOTTLED AND PRECIPITATED BLACK CT (20 cm) → PALE GREENISH MOTTLED/BRECC DIORITE (?) - LOWER CONTACT IS GRADATIONAL AND UNALT DIORITE, COMMON BROKEN QTZ/CARB VEINLETS TO 1cm WIDE 3% PY LOCALLY AS FRACT FILL, CLOTS, TR CP				66.2		3883	66.2-67.3	1.5		
				↓	70%	3884	67.3-68.0	2.3		
				69.0	*	3885	* NOT USED			

DDH: 89-7c-4

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
94.9-98.6 (CONT.)										
ANGULAR FRAGS 2-30CM OF BLACK CHERT ARGILL				94.9						
W/ STRONG QZ VEINING				↓	90%					
- INTENSE MICRO-BX AND CHL IN FRACT. (15°W/CA)				98.6						
- OVER 10-30CM SECTIONS W/ LOCALLY 5% PY (AVERAGE 2%) MOSTLY IN FRACT. AND MATRIX FILLING AND RIMMING FRAGS.										
- UPPER/LOWER CONTACTS ARE GRADAT.										
98.6-147.2 - DIORITE										
FINE GR W/ FUZZY MM FINE GR. PATCHES THAT SEEM TO GRADE INTO FSPAR PORPHYRY (C) ~ 100.6				98.6						
- COMMON IRREG 1-5MM QZ/CARB/CHL VEINLETS, TR PY ALONG FRACT.				↓	96%					
				147.2						
110.1-111.6 INCREASE IN CHL/QZ-CARB VEINLETS										
MINOR BX										
114.9-116.3 L. GREY PATCHES OF PERVASIVE SILICIF.										
W/ NO OBVIOUS CONTROL										
125.0 15CM VERY COARSE GR. WHITE CALC/QZ VEIN 90°W/CA										
128.4-127.5 SLIGHT INCREASE IN IRREGULAR, BROKEN QZ/CARB & CHL VEINS TO 2CM WIDE.										
ONLY TR PY; V. WEAK BROWNISH CARB										
ALTY LOCALLY OVER 10CM RETAINED TO QZ/CARB/CHL FRACT-FILL										

DDH: TL-89-14

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
98.6 - 147.2 (CONT.)										
134.0 - 134.9. F.GR 'SALT & PEPPER' TEXTURED DYKE. UPPER 30CM IS GREENISH DUE TO CHL/CARB ALTY, BX AND QTZ/CARB VEINLETS, TR PY CLOTS										
144.9 - 147.2 GRADUAL INCREASE IN BUFF FOLDING OR ANKERITIC ALTY TOWARDS CONTACT; COMMON BRECC QTZ/CARB VEINLETS +/- CHL										
147.2 - 164.1 <u>BLACK CHERT/CHERTY ARGILLITE</u> BLACK AND DARK-MED GREY THINLY BD. TO FINELY LAMIN. COMMON 10-30CM ZONES OF SHATTERING/BRECC W/GRAPH TO 15% O. INCREASE IN LIGHTER BEDS TOWARDS BOTTOM. - MOD. INTENSE QTZ/CARB MICRO-VEINLETS. - PY AS V.FGR DISS, CONCENT. IN BANDS TO 10MM, LESSER CONCORD LENSES TO 2MM AND COARSER CLOTS IN VEINS AND BRECC; LOCALLY 5-10% OVER 5CM AVERAGE 1-3%; POSSIBLE V.FGR CP LOCALY - BED 55° W/ GA - MORE CONSIST. THAN PREVIOUS HOLES. - LOCAL GREENISH GOUGE IN BX - UPPER CONTACT IS OBTUSCURED, - LOWER IS GRAD W/ LIGHTER COLOURED CHERT AND MARKED BY 20CM CRACKLE BX ZONE										
							144.9 -			
						3888	147.2	2.3		
							147.2			
						3889	148.3	1.1		

DDH:
TC-89-4

LITHOLOGY, ALTERATION, MISC. 16A	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX	
				Run	%	Sample	Interval to	width			
147.2 - 164.1 (CONT)				147.0	90						
- 148.3 - 148.8 INTENSELY SHATTERED BUFF CARB ALT ^d DIOR(?) W/ CHLORITAL MAFICS. BRECC. CONTACTS W/ CHERT. 3-5% PY IN. STRONG HAIRLINE FRACT. * IN THE BRECC CT ABOVE THE DIORITE ~ 5% ANGLUL. FRAGS TO 1CM OF APHAN - V.F. GR. PY AND 1-2mm V. FINELY BANDED PY W/ MICRO BX THAT APPEARS TO BE EPI-GENETIC VEINING IN THE MATRIX AS OPPOSED TO THE POSSIBLE SYNGENETIC PYRITIC FRAGS				164.1							
- 153.2 20cm PIECE OF CORE OF BX W/ ANG. FRAGS TO 3cm OF MAINLY SILIC. BUFF APHANITIC CT(?) AND LESSER W/ Q.V AND GREY CT, ONLY IR PY THE PIECE LOOKS OUT OF PLACE IN THE BLACK CT. SECTION.							148.3 -				
- 150.3 - 151.0 INCREASE IN V.F. GR. W/ SPY PY ALONG CONCORD FRACT. TO LOCALITY 10%							148.8 -	0.5			
- 158A, 3cm BUFF SILICIFIED DIOR(?) SILL W/ 5% PY IN NUMEROUS MICRO-FRACT. FOR 30cm BELOW, FRAGS OF SIMILAR ROCK IN THE BRECC CT, ONE 4cm x 2cm BLOB OF V.F. GR. PY.							150.3	1.5			
							151.0	1.5			
							151.8	1.5			
							152.2	1.4			
							157.2				
							154.7	1.5			
							154.7				
							156.2	1.5			
							157.7	2.5			
							157.7				
							159.2	1.5			
							159.2				
							160.7	1.5			
							160.7				
							162.2	1.5			
							162.2				
							164.1	1.9			
164.1 - 165.8 WHITE CHERT											
WHITE - L. GREY QUITE MASSIVE W/ INDISTINCT POSSIBLE BED. LAMIN @ 70 W/ E/A							164.1				
							165.8	1.7			

DDH: 7C-89-11

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL					BOX	
				Run	%	Sample	Interval to	width				
164.1-165.8 (CONT)				164.1								
STRONG MICRO-FRACT. w/ CARB AND TR SERIC.				↓	93%							
~ FEW CM BX BANDS				165.8								
LOCALLY BLUE SILIC IRREG BANDS												
ONLY R												
UPPER CONTACT IS OBSCURED												
LOWER CONTACT w/ DIORITE												
IS IRREG AND WEARLY BRECC												
~ 60° w/ c/a												
165.8 - 167.6 DIORITE F.G.R				165.8								
w/ 1-3% SCATTERED FBAR				↓	97	3902	165.8 - 166.8	1.0				
PHENOS OR CLOTS OF				167.6								
PHENOS, COMMON												
HAIRLINE QTZ/CARB VEINLETS												
LOCALLY INTENSE.												
- MED BROWN POLYMITIC												
PERVASIVE ALTY DECREASES												
FROM CONTACT TO ~ 1670												
LOCALLY 2% CLOTS PT.												
5 CM QTZ/CARB/CKL VEIN												
@ CONTACT												
167.6 <u>END OF HOLE</u>												

DDH: 72-89-4

DIAMOND DRILL HOLE LOG

TECK CORPORATION



LEGEND			
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SURVEY

Depth	Bearing	Inclination
48.4	248	-64
69.8	246	-65
124.6	246	-65
191.7	246	-66°

Property	CIMADRO	Hole No.	89-TC-5
Location		Bearing at collar	248°
		Inclination at collar	-63°
Coord.- Collar N		Length	191.7 m
E		Core Size	BDBGM
Elev.- Collar		Date Started	6 NOV, 1989
Date Completed	11 NOV, 1989	Logged By	N. HUMPHREYS

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX	
				Run	%	Sample	Interval to	width			
0-88 CASING											
8.8-80 DIORITE : F-MED GR											
GOMERO-PORPHYRITIC-FUZZY ESARR CLUSTERS TO 1CM (5-10%) COMMON QTZ/CARB FRACT-FILL 1/2 CHL TR. PY AS DISS. AND ALONG FRACT.					8.8 ↓ 58.0	96%					
37.2 BRECC QTZ/CARB											
VEIN 6cm WIDE 20° W/ C/A FOR ~1/2m BEFORE CT. CONTACT, GRADUAL DECREASE IN ESARR PHENOS AND SLIGHT DECREASE IN GRAIN SIZE - AT CONTACT - SLIGHTLY PALER GREEN COLOUR											
80-61.9 BLACK CHERT.											
QUITE MASSIVE MINOR GRAPHITE BED 55° W/ C/A - UPPER CONTACT OBTUSCURED LOWER IS SHARP 45° W/ C/A											

DDH: 89-TC-5

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
580-619 (CONT.)				80						
MINOR BX, common HAIRLINE QZ/CARB VEINLETS ≤ 1% PY AS FRACT-FILL, RARE CONCORD. LAMIN. THREE - 5 TO 30 CM PALE GREENISH MOD HARD, WEAKLY CALC DIOR (?) DYKES (?) OCCUR IN SEQUENCE THESE - COMMONLY BRECC, 2% PY IN FRACT AND HAVE CURIOUS FRAGS OF SIMILAR DIOR WHICH CONTAIN CHERT FRAGS. DIOR FRAGS HAVE A CALC WHITE REACTION RIM.				↓	84		58.0			
				619		3903	60.0	2.0		
							60.0			
						3904	61.9	1.9		
619-94.1 DIORITE (?)										
V.F. GR. MASSIVE, HOMOGENEOUS, MED GREENISH-GREY, SOME TINY BLUDD MATH. VISIBLE N 30 CM AT CT CONTACT IS FINER GR, PALER GREEN W/ 5% lam CHL. SPOTS										
- SCATTERED MINOR QZ/CARB STRINGERS, COMMONLY 30-45° W/ CA - CHLORITIC ALONG FRACT. W/ N 0.5% PY, TR CP				619						
FROM ~ 83.0M SLIGHTLY COARSER GR.				↓	982					
908-92.3 5% PY AS COARSE CLOIS N FRACT. OR QZ/CARB VEINLETS. SLIGHT INCREASE IN CHL - NEAR CHERT CONTACT N 10-20CM CONTACT ZONE OF WEAK BLEACHING AND DOLOMITIC ACTIV				94.1						
							90.8			
						3905	92.3	1.5		

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL					BOX	
				Run	%	Sample	Interval to	width				
94.4-95.8 <u>CHELT</u> BLACK-DK												
GREY, THINLY BED. WEAKLY GRAPH. BED 70° W/ S/A							94.0					
STRONG HAIRLINE QTZ/CARB VEINLETS						3906	94.8	0.8				
- AV. 3% PY IN FRACT AND SPRINKLED ALONG BED PLANES							94.8					
- UPPER CONTACT IS CONCORD W/ 1CM SHEARED & PYRITIC W/ A 2MM CHLORITIC REACTION RIM IN THE DIORITE				94.1	90%							
- LOWER CONTACT IS BRECC AND SHEARED OVER 15CM ROUNDED ALT ² DIORITIC FRAGS MIXED IN W/ CT, A STRONGLY BRECC 1CM BAND OF ALT ² DIOR OCCURS ~ 6CM FROM THE CONTACT IN THE CT.				95.8								
94.3-94.8 BRECCIATED W/ ANGINAL CT FRAGS AND A 15CM WHITE QTZ/CARB VEIN, STRONGLY SHATTERED W/ COMMON CT SEAMS AND MM-SIZED FRAGS 70° W/ S/A												
3-5% PY IN BRECC CT, ONLY TR IN VEIN.												
95.8-149.9 <u>DIORITE</u> F.G.R.												
PSPAR PORPH, SCATTERED CHL PHENOS, QTZ/CARB VEINLETS TO 5mm COMMONLY												
45-60° W/ S/A												
- 2% PY IN FRACT.												

DDH: B97C-5

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL			BOX
				Run	%	Sample	Interval to	width	
95.8 - 149.9 (CONT.)									
95.8 - 96.1 UPPER CONTACT.									
INCREASE IN VEINS/CHL						3908	112.2 115.5	1.3	
103.0 20 CM SILIC BX ZONE									
1% PY IN FRACT									
112.2 - 113.5 SECTION W/ TWO QTZ STRINGER SECTIONS AT START AND OF SECTION				95.8 ↓ 149.9	97%				
UPPER IS 10CM W/ ONLY TR PY, LOWER IS 10CM W/ 5% FRACT-FILL PY									
SOME BK; BOTH N 30° W CHL									
FROM 115.0 SLIGHT INCREASE IN QTZ/CARB/CHL VEINLETS									
V. MINOR BK, WEAK CHLORITIC SHEARS OVER 10-50 CM. ALL ORIENT.									
BUT COMMONLY 30-45° ONLY TR PY IN FRACT.									
MINOR PATCHY WEAK PERV. CARB ALTY									
140.4 - 140.6 COARSE WHITE QTZ/CARB VEIN 45% %									
146.8 - 147.6 STRONG QTZ/CARB +/- CHL VEINLETS W/ TR PY ONE 2 CM SHEAR W/ GOUGE 25% %						3909	146.8 147.6	0.8	
149.0 - 149.9 L GREY-BUFF AZTY ZONE AT CONTACT PROB CLAY AND CARB, ONLY TR PY IN QTZ/CARB VEINLETS.						3910	149.0 149.9	0.9	

DPH:
09-TC-5

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
149.9-1640 <u>CHERT</u> , <u>CHERTY</u> <u>ARGILLITE</u>							149.9			
BLACK-GREY W/ LOCAL BUFF BANDS COMMONLY GRAPHITIC, LAM-THIN BED						90	3911	151.2	1.3	
- ABUNDANT BROKEN CORE, POOR RECOVERY, STRONG EX: 151.3-152.1								151.2		
156.0-157.0, 160.0-161.0						55	3912	152.1	0.9	
- BED VARIES 30°-60° W/ GR								152.1		
- RARE 1CM SERPENTINE BED W/ 10% DISS PY						25	3913	153.6	1.5	
- COMMON HAIRLINE Qtz/CARB FRACT								153.6		
- PY AS FRACT FILL, EMBED DISSEM XLS, V.F. GR. WISPS/BEDS 1-2mm						55	3914	155.1	1.5	
AND RARELY AS V.F. GR DISSEM/LOOKS FORMING 10% OVER 5CM. SYNGEN								155.1		
- LOCALLY 5-10% PY OVER 30CM USUALLY AU 1-3%								156.6	1.5	
- UPPER CONTACT IS OBSCURED BUT N CONCORD, WEAKLY EX						24	3915	156.6		
- 150.6-151.2 BROKEN CORE OF ALT DIORITE AS NEAR CONTACT								158.2	1.6	
								158.2		
						73	3916	158.2		
								159.7	1.5	
								159.7		
								161.2	1.5	
								161.2		
								162.7	1.5	
								162.7		
								162.7		
								164.0	1.3	
								164.0		
163.7. ~10CM BROKEN CORE OF BUFF V.F. GR. STR CLAY/CARB ALT DIORITE (?) W/ 5% PY IN FRACT.								164.0		
								165.5	1.5	
164.0-170.0 "WHITE CHERT"						16	3921	165.5	1.5	
WHITE-L. GREY THIN BED. W/ V. TINY WHITE DISSEM SPOTS POSS. P. SPAR								165.5		
- SECTION IS BROKEN, UPPER CONTACT IS BRECC BUT IS PROB GRAD. CONTACT IS OBSCURED								167.0	1.5	
- LOWER CONTACT IS A FEW PIECES OF BROKEN PALE GREENISH CT.								167.0		
								168.5	1.5	
						50	3922	167.0	1.5	
								167.0		
								168.5	1.5	
								168.5		
								170.0	1.5	
								170.0		

DDH: 89-72-5

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
164.0 - 170.0 (CONT.)										
CHERTY										
- MINOR TALE BROWNISH BEDS TO 10CM W/ V. FINE DUSTINGS OF 5-10% DISS. PY - THESE BEDS ~ 2% OF SEQUENCE										
- BED 65° W/ GA										
- STRONGER SHATTERING NEAR TOP AND BOTTOM OF SEQUENCE										
COMMON CRACKLE BX										
- ~1% PY AV. DISSEM ALONG BED OR IN FRACT										
COMMON HAIRLINE QZ/CARB FRACT-FILL										
170.0 - 191.7 DIORITE(?) BASALT(?)										
CONTACT W/ CT IS NOT SEEN							170.0			
- FINE GR EQUI-GRAN, STRONGLY CHLORITIC AND FRACTURED, MINOR HAIRLINE QZ/CARB VEINLETS					83	3925	171.5	1.5		
3% PY IN FRACT, TR CP CLOTS TO ~173.0.							171.5			
<1% PY AV.						3926	173.0	1.5		
- V. FEW SCATTERED FSPAR PHENOS							176.9			
FROM 177.0 LOCALLY						3927	178.4	1.5		
5% PY OVER 10CM - CLOTS/FRACT-FILL							178.4			
MINOR BRECC.						3928	179.9	1.5		
~ 1820 - 185.0 MOD. EPID.							179.9			
ALTY IN FRACT.						3929	181.9	2.0		
- THE ROCK HAS 5% V. TINY ANGULAR XLS - WHITISH + FRACTURED - SUGGESTS A VOLC (?)							181.9			
						3930	183.9	2.0		
							183.9			
					84/105	3931	185.9	2.0		
							185.9			
						3932	187.9	2.0		
							187.9			
						3933	189.9	2.0		
							189.9			

DDH: 89-76-5

DIAMOND DRILL HOLE LOG

TECK CORPORATION



LEGEND	
_____	_____
_____	_____
_____	_____
_____	_____

SURVEY		
Depth	Bearing	Inclination
32.0	204°	-46°
91.5	-	-46°
119.2	-	-48°

Property	<u>CIMADORO</u>	Hole No.	<u>89-TC-6</u>
Location	<u>LOWER DRILL SITE</u>	Bearing at collar	<u>205°</u>
		Inclination at collar	<u>-46°</u>
Coord. - Collar N	_____	Length	<u>121.9 m</u>
E	_____	Core Size	<u>BDBGM TO 32.3</u>
Elev. - Collar	_____		<u>CO 32.3 TO 121.9</u>
Date Started	<u>14 NOV, 1989</u>	Logged By	<u>N. HUMPHREYS</u>
Date Completed	<u>17 NOV, 1989</u>		

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL			BOX
				Run	%	Sample	Interval to	width	
0 - 0.6 CASING									
0.6 - 23.4 DIORITE									
F. GR. FSPAR PORPH, GOMERO - PORPH TEXTURE. UP TO 25% (AV 10%) FSPAR CLUSTERS TO 1CM SCATTERED 1-3MM QTZ/CARB VEINLETS, ALL ORIENT. TR PY.				0.6 ↓ 23.4	95%				
18.3 - 21.3 50% RECOV. - FSPAR CLUSTERS DIE OUT TOWARDS LOWER CONTACT. - LOWER CONTACT OBSCURED BY BROKEN CORE BUT THERE APPEARS TO BE CHILLED CONTACT OF PALER GREEN, SILICEOUS APHANITIC ROCK.									
23.4 - 24.1 BLACK CHERT, CHERTY SILTSTONE									
Faint bed @ 550W c/a BRECC OVER 20CM AT LOWER CONTACT WHICH IS NOT SEEN V. WEAKLY GRAIN				23.4 ↓ 24.1	92%				

DDH:
89-TC-6

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
23.4-24.1 (CONT.)							23.4			
2% PY AS CONCORD AND DISCORD FRACT FILL, LESSER DISSEM				24.1		3949	24.1	0.7		
24.1 - 91.4 DIORITE (?)				↓						
				91.4						
V.F. GR. EQUI-GRANULAR MED GREEN-GREY, MASSIVE HOMOGENEOUS, TR PY, CP ALONG FRACT w/ FSPAR CLOTS NEAR BEGINNING										
24.4-32.3 73% RECOU ABUND BROKEN CORE SLIGHT INCREASE IN CHL LOCALLY										
39.6-43.4 SLIGHT INCREASE IN QTZ/CARD FRACT-FILL 40.7-41.1 SHEARED BRECC SILICA FLOODED ZONE w/ 5% BRECC PY IN MATRIX ~ 60% C/A, MINOR CARB - 3% DISS CLOTS AWAY FROM SILICA ZONE - 43.2-43.4 SIMILAR SILICA FLOODED ZONE w/ COARSE PY, TR CP MINOR CHL, CARB							39.6			
						3964	41.6	2.0		
							41.6			
						3965	43.4	1.8		
~ 62.0 START OF A FEW FSPAR PHENOS, NO CONTACTS SEEN, BY 64.5 UP TO 20% FSPAR CLOTS FROM ~ 77.5, MORE DIORITIC LOOKING, SLIGHTLY LESS FINE GR										
86.4 START OF L. GREY BLEACHED CONTACT ZONE GRAD. CONTACT w/ UNALY PORPHYRY										

DDH:
89-TC-6

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX	
				Run	%	Sample	Interval to	width			
24.1-91.4 (CONT)											
- FAIRLY UNIFORM L-MED GRAY COLOUR TO 90.9							86.4				
- ONLY MINOR QZ/CARB VEINS. W/ TR PY. ALT ⁹						3960	87.9	1.5			
ROCK IS ONLY WEAKLY CALC. COLOUR DUE TO CHL/SERK							87.9				
- 86.5-87.7 IRREG. N/CN WIDE QZ/CALC VEIN						3961	89.4	1.5			
~00 W/ C/A W/ TR V.F. GR. CP AMONG CHLORITE BORDER							90.9				
- STRONGEST ALT ⁹ BEGINS 90.9 - BUFF/GREY BUT NOT STRONGLY CALC, MOD HARD						3962	90.9	1.5			
91.0, 91.2 - 3 CM BLACK CHERTY ARGILL BEDS 65° W/ C/A W/ 5% PY STRINGERS							90.9				
N/CN SHEARED, 13X CONTACTS 91.2m BED ALSO HAS A 1cm CHILLED MARGIN IN THE PORPHYRY						3963	91.4	0.5			

DDH: 89-7c-6

LITHOLOGY, ALTERATION, MISC.	Depth	GRAPHIC LOG	MINERALIZATION	RECOVERY		ANALYTICAL				BOX
				Run	%	Sample	Interval to	width		
98.5 - 103.3 <u>WHITE CHERT</u>							98.5			
- ABUNDANT BROKEN CORE, ABUNDANT SHATTERED, BK UNIFORM WHITE (CHERT) W/ MINOR DK GRAY BEDS TO 3 CM, COMMON CLAY/SERV IN FRACT.				30	3956	100.0	1.5			
- UPPER CONTACT NOT SEEN MUCH CORE LOST.						100.0				
- LOWER CONTACT NOT CLEAR BUT APPEARS CONCORD				25	3957	101.5	1.5			
- ONLY TR PY USUALLY LOCALLY 1-2% IN FRACT.						101.5				
- BED ~ 55° w/ 9A				90	3958	103.3	1.8			
103.3 - 121.9 <u>DIORITE</u>						103.3				
LF. GR MED GREY W/ 1-5% FUZZY FSVAR CLUSTERS COMMON QTZ/CARB VEINS TO 1CM ALL ORIENT. TR DISS PY - COMMON CHL IN FRACT, WEAK FRACT/PERV. EPID. ALTY.				43	3959	104.5	1.2			
AT UPPER CONTACT - L GREY SOFTER (CLAY ?) BLEACHED CONTACT ZONE OVER ~ 20 CM										
- 104.5 - IRREG QTZ/CARB/EPID CHL VEN W/ CLOTS PY										
121.9 END OF HOLE										

103.3
↓
121.9

92

DDH:
89-TC-6

APPENDIX III
ANALYTICAL REPORTS



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
 11TH FLOOR
 1199 W. HASTINGS STREET
 VANCOUVER, B.C.
 V6E 2K5

A8930534

Comments: ATTN: W. MEYER CC: A.I. BETMANIS

CERTIFICATE A8930534

TECK EXPLORATIONS LIMITED
 PROJECT : 1376
 P O # :

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 4-JAN-90.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	34	Geochem ring to approx 150 mesh
232	34	Total ICP digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	34	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
554	34	Mo ppm: 24 element. rock & core	ICP-AES	1	10000
556	34	W ppm: 24 element. rock & core	ICP-AES	10	10000
558	34	Zn ppm: 24 element. rock & core	ICP-AES	2	10000
559	34	P ppm: 24 element. rock & core	ICP-AES	10	10000
560	34	Pb ppm: 24 element. rock & core	ICP-AES	2	10000
561	34	Bi ppm: 24 element. rock & core	ICP-AES	2	10000
562	34	Cd ppm: 24 element. rock & core	ICP-AES	0.5	10000
563	34	Co ppm: 24 element. rock & core	ICP-AES	1	10000
564	34	Ni ppm: 24 element. rock & core	ICP-AES	1	10000
565	34	Ba ppm: 24 element. rock & core	ICP-AES	10	10000
566	34	Fe %: 24 element. rock & core	ICP-AES	0.01	25.0
568	34	Mn ppm: 24 element. rock & core	ICP-AES	5	10000
569	34	Cr ppm: 24 element. rock & core	ICP-AES	1	10000
570	34	Mg %: 24 element. rock & core	ICP-AES	0.01	25.0
572	34	V ppm: 24 element. rock & core	ICP-AES	1	10000
573	34	Al %: 24 element. rock & core	ICP-AES	0.01	25.0
575	34	Be ppm: 24 element. rock & core	ICP-AES	0.5	10000
576	34	Ca %: 24 element. rock & core	ICP-AES	0.01	25.0
577	34	Cu ppm: 24 element. rock & core	ICP-AES	1	10000
578	34	Ag ppm: 24 element. rock & core	AAS	0.5	200
579	34	Ti %: 24 element. rock & core	ICP-AES	0.01	10.00
582	34	Sr ppm: 24 element. rock & core	ICP-AES	1	10000
583	34	Na %: 24 element. rock & core	ICP-AES	0.01	10.00
584	34	K %: 24 element. rock & core	ICP-AES	0.01	20.0



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212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1376

Comments: ATTN: W. MEYER CC: A. I. BETMANIS

Page No.: 1-B
Tot. Pages: 1
Date: 29-NOV-89
Invoice #: I-8930534
P.O. #:

CERTIFICATE OF ANALYSIS A8930534

SAMPLE DESCRIPTION	PREP CODE		Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)			
3851	205	232	4.04	256	7.62	< 0.5	2.84	157	0.8	0.53	120	1.73	2.02			
3852	205	232	0.49	166	2.41	< 0.5	2.95	63	1.0	0.11	61	0.39	0.75			
3853	205	232	0.25	63	2.22	< 0.5	4.31	44	0.8	0.09	82	0.47	0.94			
3854	205	232	0.97	82	2.58	< 0.5	1.37	56	0.8	0.12	53	0.46	0.91			
3855	205	232	1.22	105	2.88	< 0.5	1.59	80	0.6	0.14	57	0.48	1.21			
3856	205	232	1.45	212	3.38	< 0.5	2.13	63	0.6	0.17	54	0.73	1.14			
3857	205	232	0.71	50	2.95	< 0.5	0.98	67	0.4	0.14	41	1.54	0.40			
3858	205	232	2.75	344	6.31	< 0.5	4.95	212	0.6	1.36	246	1.88	0.60			
3859	205	232	1.59	195	3.35	< 0.5	5.25	114	0.8	0.26	108	1.00	0.12			
3860	205	232	1.02	414	4.34	< 0.5	2.16	94	1.8	0.22	90	1.23	1.12			
3861	205	232	0.42	77	2.74	< 0.5	1.05	59	0.6	0.12	51	0.34	1.24			
3862	205	232	0.51	163	2.64	< 0.5	1.57	55	0.8	0.12	57	0.46	1.10			
3863	205	232	0.69	146	2.81	< 0.5	2.43	101	0.8	0.13	51	0.21	1.24			
3864	205	232	0.42	90	2.40	< 0.5	1.01	61	0.4	0.11	48	0.24	1.10			
3865	205	232	0.71	123	2.60	< 0.5	1.26	67	< 0.2	0.12	49	0.31	1.13			
3866	205	232	1.20	140	2.67	< 0.5	2.30	51	0.4	0.12	69	0.27	0.84			
3867	205	232	1.23	54	3.23	< 0.5	0.98	85	0.4	0.18	42	1.56	0.33			
3868	205	232	1.95	286	5.28	< 0.5	5.51	455	0.8	2.31	219	1.36	0.31			
3869	205	232	2.86	360	5.77	< 0.5	4.75	281	0.8	1.42	199	1.68	0.55			
3870	205	232	3.29	270	7.23	< 0.5	8.16	130	1.2	0.72	126	0.88	0.45			
3871	205	232	3.24	227	6.93	< 0.5	7.31	122	0.6	0.46	222	1.96	0.88			
3872	205	232	1.23	83	7.93	< 0.5	3.14	16	0.4	0.28	382	2.47	1.52			
3873	205	232	1.90	414	4.68	< 0.5	4.71	97	0.8	0.28	165	1.15	0.97			
3874	205	232	0.45	91	2.09	< 0.5	2.87	57	0.8	0.09	44	0.15	0.89			
3875	205	232	0.45	370	3.49	< 0.5	2.12	59	1.2	0.16	58	1.39	0.71			
3876	205	232	0.41	413	3.70	< 0.5	0.98	92	1.8	0.16	52	0.74	1.79			
3877	205	232	0.46	63	2.97	< 0.5	1.85	59	1.0	0.14	55	0.38	1.66			
3878	205	232	0.55	127	2.58	< 0.5	1.92	57	0.6	0.12	40	0.15	1.18			
3879	205	232	0.94	250	2.66	< 0.5	1.24	61	0.4	0.18	63	0.63	0.82			
3880	205	232	1.38	135	4.28	< 0.5	1.98	127	0.4	0.52	82	1.92	0.53			
3881	205	232	3.01	376	6.19	< 0.5	5.56	303	0.6	1.84	203	1.96	0.41			
3882	205	232	3.11	395	6.40	< 0.5	5.08	329	0.6	1.94	227	1.78	0.45			
3883	205	232	2.37	216	5.15	< 0.5	4.02	172	1.0	0.71	147	2.04	0.52			
3884	205	232	2.50	306	5.50	< 0.5	4.15	210	0.4	1.16	177	1.64	0.40			

CERTIFICATION :

B. Coughlin



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212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1376

Comments: ATTN: W. MEYER CC: A. I. BETMANIS

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CERTIFICATE OF ANALYSIS A8930534

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Mb ppm	W ppm	Zn ppm	P ppm	Pb ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	Fe %	Mn ppm	Cr ppm
	FA+AA	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
3851	205	232	30	1	< 10	100	330	< 2	< 2	1.0	29	86	1730	6.59	980	246
3852	205	232	5	12	< 10	204	870	16	< 2	2.0	6	44	810	1.52	210	188
3853	205	232	5	4	< 10	142	4670	16	< 2	1.5	4	24	460	1.30	235	140
3854	205	232	10	3	< 10	130	590	8	< 2	1.0	8	34	590	1.72	260	141
3855	205	232	5	4	< 10	318	880	12	< 2	3.5	7	41	460	1.58	265	181
3856	205	232	15	15	< 10	234	930	16	< 2	2.0	7	47	710	1.77	270	138
3857	205	232	< 5	1	< 10	46	1990	4	< 2	< 0.5	7	32	1560	1.18	125	162
3858	205	232	5	2	< 10	106	1000	< 2	< 2	0.5	29	36	690	8.65	1155	44
3859	205	232	5	11	< 10	182	>10000	< 2	< 2	2.5	13	53	150	3.85	535	225
3860	205	232	5	34	< 10	456	2850	8	< 2	6.5	10	86	610	2.75	235	222
3861	205	232	< 10	6	< 10	148	2040	10	< 2	0.5	6	35	560	1.52	100	178
3862	205	232	< 5	13	< 10	220	540	12	< 2	2.0	6	42	660	1.56	145	144
3863	205	232	< 5	9	< 10	324	470	20	< 2	3.0	6	48	700	1.63	270	177
3864	205	232	< 5	4	< 10	162	1030	8	< 2	1.5	6	35	870	1.38	115	185
3865	205	232	5	7	< 10	188	1780	8	< 2	1.5	6	40	870	1.65	265	179
3866	205	232	10	10	< 10	128	1850	12	< 2	1.0	5	38	1160	1.32	220	122
3867	205	232	10	< 1	< 10	78	880	4	< 2	< 0.5	7	34	1420	1.44	185	132
3868	205	232	5	3	< 10	148	1880	< 2	< 2	< 0.5	24	20	530	10.10	1565	24
3869	205	232	< 5	< 1	< 10	146	1060	< 2	< 2	< 0.5	32	39	540	9.44	1365	44
3870	205	232	10	4	< 10	108	770	< 2	< 2	< 0.5	27	56	320	7.56	1090	122
3871	205	232	< 5	< 1	< 10	74	370	< 2	< 2	< 0.5	26	48	840	5.99	1155	119
3872	205	232	< 5	< 1	< 10	60	580	12	< 2	< 0.5	10	8	820	3.23	700	69
3873	205	232	< 5	21	< 10	110	370	8	< 2	< 0.5	18	74	700	3.98	605	187
3874	205	232	15	5	< 10	162	280	12	< 2	1.5	5	32	1110	1.07	170	161
3875	205	232	10	34	< 10	294	3180	24	< 2	4.5	5	61	440	1.81	140	134
3876	205	232	10	38	< 10	754	620	36	< 2	8.5	5	65	1150	2.34	125	163
3877	205	232	10	2	< 10	122	1630	24	< 2	1.0	6	32	1590	1.60	165	165
3878	205	232	10	7	< 10	160	990	12	< 2	2.0	7	42	590	1.74	155	174
3879	205	232	< 5	14	< 10	190	590	4	< 2	3.0	6	40	980	1.48	225	127
3880	205	232	< 5	< 1	< 10	48	580	2	< 2	< 0.5	11	34	1650	2.83	370	138
3881	205	232	< 5	< 1	< 10	132	1260	< 2	< 2	< 0.5	30	55	570	9.34	1445	113
3882	205	232	10	< 1	< 10	142	1340	< 2	< 2	< 0.5	31	56	570	9.82	1540	126
3883	205	232	< 5	< 1	< 10	390	870	88	< 2	3.5	23	73	1610	5.26	760	135
3884	205	232	15	< 1	< 10	390	910	40	< 2	1.5	26	38	1200	7.42	1035	47

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED

11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1376

Comments: ATTN: W MEYER CC: A. I. BETMANIS

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Tot. Pages: 2
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Invoice #: I-8930636
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CERTIFICATE OF ANALYSIS A8930636

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Mb ppm	W ppm	Zn ppm	P ppm	Pb ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	Fe %	Mn ppm	Cr ppm
	FA+AA	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
3886	205	232	10	< 1	< 10	118	1120	2	< 2	1.5	35	44	280	7.57	900	73
3887	205	232	10	5	10	250	1070	6	< 2	3.0	35	77	1030	6.83	930	163
3888	205	232	15	< 1	10	78	380	< 2	< 2	1.0	35	84	750	6.34	1055	240
3889	205	232	15	18	< 10	280	700	6	2	2.5	9	66	420	2.14	440	397
3890	205	232	15	< 1	< 10	88	400	< 2	< 2	1.5	35	78	320	6.09	1025	240
3891	205	232	10	59	< 10	522	510	42	6	8.0	8	85	250	1.85	415	157
3892	205	232	15	4	< 10	242	4790	50	2	1.0	11	32	270	2.55	305	134
3893	205	232	10	2	< 10	152	490	6	6	1.5	7	38	1050	1.32	280	227
3894	205	232	5	2	< 10	168	2850	6	6	2.0	7	36	470	1.47	215	199
3895	205	232	< 5	7	< 10	214	1980	18	< 2	2.0	7	42	270	1.62	110	215
3896	205	232	10	6	< 10	240	290	12	< 2	1.0	8	35	270	1.59	100	163
3897	205	232	25	3	< 10	132	600	4	6	1.5	12	54	170	1.88	335	198
3898	205	232	< 5	6	< 10	260	260	16	6	4.0	9	54	460	1.83	255	233
3899	205	232	< 5	18	< 10	300	1620	10	6	4.0	7	49	480	1.42	175	202
3900	205	232	15	16	< 10	280	620	12	4	3.0	9	50	440	1.57	295	177
3901	205	232	5	1	< 10	30	1160	4	4	< 0.5	7	39	80	1.19	270	218
3902	205	232	15	< 1	< 10	120	1190	2	< 2	2.0	35	49	230	8.79	1130	124
3903	205	232	10	13	< 10	346	4540	12	6	5.0	12	46	40	3.29	470	246
3904	205	232	10	6	< 10	126	790	8	2	1.5	13	34	30	3.26	415	193
3905	205	232	10	< 1	10	114	980	< 2	< 2	2.0	36	39	1030	8.56	1270	64
3906	205	232	15	18	< 10	210	2850	10	< 2	2.0	12	52	100	2.71	795	254
3907	205	232	5	12	< 10	224	3170	< 4	6	2.5	16	66	740	3.37	515	327
3908	205	232	10	< 1	< 10	76	380	< 2	< 2	1.5	33	53	1190	6.14	1070	156
3909	205	232	15	< 1	< 10	76	340	< 2	< 2	1.5	35	92	850	6.21	1155	263
3910	205	232	15	< 1	< 10	84	400	< 2	< 2	1.5	35	85	1210	6.23	1100	251
3911	205	232	10	9	< 10	70	510	< 2	< 2	1.0	25	67	740	4.47	655	206
3912	205	232	15	23	< 10	34	700	< 2	4	0.5	9	55	460	2.73	310	169
3913	205	232	10	43	< 10	180	540	6	4	2.5	8	72	290	2.84	175	141
3914	205	232	20	3	< 10	102	1320	8	2	1.0	7	39	370	1.45	200	210
3915	205	232	15	2	< 10	98	360	10	< 2	0.5	7	30	440	1.33	235	194
3916	205	232	10	4	< 10	152	500	10	2	1.5	7	35	440	1.43	220	219
3917	205	232	20	4	< 10	118	360	6	2	0.5	8	34	370	1.45	180	232
3918	205	232	15	3	< 10	130	900	6	2	1.5	10	36	540	1.63	315	164
3919	205	232	10	9	< 10	324	420	8	2	6.5	7	40	230	1.46	265	185
3920	205	232	20	11	< 10	204	500	8	< 2	3.0	29	57	390	2.85	425	184
3921	205	232	5	3	< 10	88	320	16	4	1.0	8	24	230	1.19	135	238
3922	205	232	30	< 1	< 10	128	370	10	< 2	1.0	9	40	180	1.45	130	236
3923	205	232	10	< 1	< 10	58	3020	6	2	0.5	6	23	90	1.36	80	200
3924	205	232	5	< 1	< 10	26	310	2	< 2	0.5	7	34	60	1.49	155	196
3925	205	232	10	< 1	< 10	120	1340	< 2	< 2	2.0	39	56	400	9.40	1440	117

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1376

Comments: ATTN: W. MEYER CC: A. I. BETMANIS

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Invoice #: I-8930636
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CERTIFICATE OF ANALYSIS A8930636

SAMPLE DESCRIPTION	PREP CODE	Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)			
3886	205 232	2.73	326	6.07	< 0.5	4.84	204	< 0.5	1.26	155	1.67	0.77			
3887	205 232	2.67	294	6.28	< 0.5	4.67	161	< 0.5	0.93	169	1.80	0.73			
3888	205 232	3.69	235	6.77	< 0.5	6.30	144	< 0.5	0.45	245	1.95	0.77			
3889	205 232	1.22	206	2.59	< 0.5	4.65	52	< 0.5	0.13	72	0.69	0.45			
3890	205 232	3.57	253	7.18	< 0.5	2.96	149	< 0.5	0.49	116	2.08	0.76			
3891	205 232	0.84	586	3.22	< 0.5	3.79	72	1.0	0.15	67	0.40	1.48			
3892	205 232	0.70	86	4.21	< 0.5	3.79	74	1.5	0.18	70	0.47	1.82			
3893	205 232	0.71	66	2.27	< 0.5	2.14	58	< 0.5	0.10	59	0.31	0.82			
3894	205 232	0.68	95	2.55	< 0.5	1.56	49	< 0.5	0.12	74	0.50	1.21			
3895	205 232	0.29	106	2.47	< 0.5	0.87	62	1.0	0.12	40	0.29	1.41			
3896	205 232	0.27	58	2.76	< 0.5	0.52	68	< 0.5	0.12	29	0.21	1.70			
3897	205 232	1.33	99	2.80	< 0.5	1.89	65	< 0.5	0.13	45	0.24	1.12			
3898	205 232	1.17	158	2.43	< 0.5	1.54	77	< 0.5	0.12	36	0.73	0.42			
3899	205 232	1.04	298	2.86	< 0.5	0.98	50	< 0.5	0.12	38	1.36	0.32			
3900	205 232	1.56	227	3.20	< 0.5	1.72	101	< 0.5	0.17	58	1.35	0.27			
3901	205 232	1.56	71	2.64	< 0.5	2.17	17	< 0.5	0.13	47	1.13	0.09			
3902	205 232	2.72	353	5.82	< 0.5	5.52	346	< 0.5	1.70	160	1.46	0.18			
3903	205 232	1.21	282	3.13	< 0.5	3.21	80	< 0.5	0.40	45	1.36	0.08			
3904	205 232	0.93	170	2.67	< 0.5	3.07	80	< 0.5	0.38	41	1.04	0.03			
3905	205 232	2.53	348	6.00	< 0.5	5.03	184	< 0.5	1.41	254	1.96	0.55			
3906	205 232	0.92	150	2.35	< 0.5	13.40	74	< 0.5	0.27	341	0.87	0.20			
3907	205 232	1.62	225	3.93	< 0.5	4.31	93	< 0.5	0.23	83	1.26	0.72			
3908	205 232	2.87	229	7.89	< 0.5	6.78	122	< 0.5	0.45	239	2.27	0.76			
3909	205 232	4.01	229	6.78	< 0.5	6.33	110	< 0.5	0.43	151	2.06	0.79			
3910	205 232	4.16	252	7.17	< 0.5	4.26	124	< 0.5	0.48	115	2.29	1.02			
3911	205 232	2.77	261	5.33	< 0.5	2.52	90	< 0.5	0.32	88	2.00	0.34			
3912	205 232	1.50	308	3.30	< 0.5	1.61	65	< 0.5	0.14	39	1.31	0.32			
3913	205 232	1.08	592	3.41	< 0.5	0.62	104	< 0.5	0.14	14	0.17	1.52			
3914	205 232	0.57	67	2.17	< 0.5	2.12	59	< 0.5	0.10	33	0.27	0.98			
3915	205 232	0.58	53	2.13	< 0.5	2.53	47	< 0.5	0.09	33	0.21	0.93			
3916	205 232	0.54	78	2.18	< 0.5	1.69	54	< 0.5	0.11	27	0.29	0.81			
3917	205 232	0.66	55	2.25	< 0.5	1.69	52	< 0.5	0.10	24	0.29	0.91			
3918	205 232	1.12	105	2.62	< 0.5	2.74	57	< 0.5	0.12	38	0.39	0.98			
3919	205 232	0.99	246	2.57	< 0.5	2.81	62	< 0.5	0.10	32	0.29	1.15			
3920	205 232	1.91	232	2.95	< 0.5	2.78	154	< 0.5	0.33	38	0.81	0.48			
3921	205 232	0.62	54	2.40	< 0.5	0.49	56	< 0.5	0.11	26	1.43	0.10			
3922	205 232	0.56	66	2.91	< 0.5	0.52	55	< 0.5	0.12	28	1.86	0.15			
3923	205 232	0.37	37	2.57	< 0.5	1.27	52	< 0.5	0.10	35	1.84	0.05			
3924	205 232	0.51	49	2.42	< 0.5	2.08	54	< 0.5	0.12	28	1.61	0.03			
3925	205 232	3.63	386	6.25	< 0.5	3.58	291	< 0.5	1.97	143	1.63	0.53			

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

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212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project : 1376

Comments: ATTN: W. MEYER CC: A. I. BETMANIS

Page No. : 2-A
Tot. Pages: 2
Date : 05-DEC-89
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P.O. # : NONE

CERTIFICATE OF ANALYSIS A8930636

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Mb ppm	W ppm	Zn ppm	P ppm	Pb ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	Fe %	Mn ppm	Cr ppm
			FA+AA	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
3926	205	232	< 5	< 1	< 10	132	1340	< 2	< 2	2.5	38	53	1620	9.35	1600	119
3927	205	232	< 5	< 1	< 10	130	1290	< 2	< 2	2.5	39	52	1000	9.33	1605	115
3928	205	232	10	< 1	< 10	112	1270	< 2	< 2	2.5	36	50	560	8.98	1570	107
3929	205	232	15	< 1	< 10	142	1330	< 2	< 2	2.5	37	53	220	9.12	1545	115
3930	205	232	5	< 1	< 10	130	1330	< 2	< 2	2.5	38	54	320	9.53	1495	117
3931	205	232	5	< 1	< 10	154	1230	< 2	< 2	2.5	34	51	550	8.97	1420	113
3932	205	232	< 10	< 1	< 10	140	1320	< 2	< 2	2.5	37	55	430	9.73	1610	115
3933	205	232	< 5	< 1	< 10	126	1300	< 2	< 2	2.5	37	50	310	9.27	1600	97
3934	205	232	10	< 1	< 10	74	1160	< 2	< 2	0.5	9	34	950	1.57	330	127
3935	205	232	5	< 1	< 10	38	270	6	< 2	0.5	8	18	310	1.24	175	103

CERTIFICATION : B. Coughlin



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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1176
Comments: ATTN: W. MEYER CC: A. I. BETMANIS

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Invoice #: I-8930636
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8930636

SAMPLE DESCRIPTION	PREP CODE	Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)			
3926	205 232	3.32	381	6.19	< 0.5	4.88	282	< 0.5	1.94	238	2.04	0.94			
3927	205 232	3.24	385	6.27	< 0.5	4.95	327	< 0.5	1.94	250	2.15	0.71			
3928	205 232	3.39	363	6.06	< 0.5	4.76	289	< 0.5	1.85	246	2.08	0.52			
3929	205 232	3.64	379	6.32	< 0.5	4.58	325	< 0.5	1.93	229	2.19	0.32			
3930	205 232	3.34	394	6.22	< 0.5	5.03	341	< 0.5	2.08	253	1.84	0.27			
3931	205 232	2.91	366	5.83	< 0.5	5.33	365	< 0.5	1.88	434	1.23	0.35			
3932	205 232	3.12	397	6.55	< 0.5	4.89	381	< 0.5	2.04	314	2.10	0.36			
3933	205 232	2.92	387	5.91	< 0.5	6.33	406	< 0.5	2.00	372	2.31	0.38			
3934	205 232	1.82	38	2.29	< 0.5	2.29	632	< 0.5	0.13	90	0.58	0.28			
3935	205 232	1.96	28	2.89	< 0.5	0.43	61	< 0.5	0.13	35	0.34	1.11			

CERTIFICATION : *B. Coughlin*



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To: TECK EXPLORATIONS LIMITED
11TH FLOOR
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V6E 2K5

Project: 1376

Comments: ATTN: W. MEYER CC: A. I. BETMANIS

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Invoice #: I-8930797
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CERTIFICATE OF ANALYSIS A8930797

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Mo ppm	W ppm	Zn ppm	P ppm	Pb ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	Fe %	Mn ppm	Cr ppm
	FA+AA	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)	(ICP)
3936	205	232	< 5	< 1	< 10	30	220	10	< 2	< 0.5	13	18	180	1.70	325	100
3937	205	232	< 10	< 1	< 10	356	1140	10	10	2.0	9	14	150	2.48	460	44
3938	205	232	< 5	< 5	< 10	226	410	18	4	1.5	7	16	210	1.87	460	65
3939	205	232	< 5	< 1	< 10	116	2260	4	< 2	< 0.5	14	3	210	5.16	1280	15
3940	205	232	< 5	< 1	< 10	44	290	10	< 2	< 0.5	4	2	870	1.32	375	47
3941	205	232	< 5	< 1	< 10	42	290	6	< 2	0.5	3	1	710	1.26	390	33
3942	205	232	< 5	< 1	< 10	110	2240	< 2	4	1.0	13	2	260	5.28	1410	20
3943	205	232	< 5	< 4	< 10	846	540	10	6	6.0	9	22	90	2.41	505	50
3944	205	232	160	< 1	< 10	132	1550	12	< 2	1.0	10	12	130	1.74	480	55
3945	205	232	< 5	< 1	< 10	78	740	< 2	< 2	1.5	33	26	420	5.23	1230	76
3946	205	232	< 5	< 1	< 10	136	220	10	2	1.0	7	11	590	1.35	285	102
3947	205	232	< 5	< 1	< 10	100	700	4	< 2	1.5	31	24	370	5.33	1100	54
3948	205	232	10	< 1	< 10	334	380	104	< 2	1.5	9	15	290	1.79	400	124
3949	205	232	15	34	< 10	552	940	34	< 2	6.5	26	139	130	4.61	850	369
3950	205	232	< 5	6	< 10	194	1220	36	< 2	2.0	18	46	150	4.30	575	138
3951	205	232	35	3	20	>10000	2350	920	< 2	110.5	12	42	60	5.42	605	125
3952	205	232	15	6	< 10	3170	2400	188	< 2	28.5	13	72	60	2.44	160	147
3953	205	232	< 5	19	< 10	446	480	36	< 2	3.5	8	63	120	1.91	115	256
3954	205	232	< 5	20	< 10	454	490	86	< 2	5.0	7	62	280	1.67	250	285
3955	205	232	10	21	< 10	864	3850	42	< 2	10.0	8	58	90	1.92	155	191
3956	205	232	< 5	4	< 10	58	320	6	< 2	0.5	10	41	250	1.82	180	126
3957	205	232	< 5	6	< 10	42	770	4	< 2	0.5	6	36	250	1.16	190	103
3958	205	232	< 5	< 1	< 10	26	2420	8	< 2	< 0.5	4	32	110	0.80	215	86
3959	205	232	< 10	< 1	< 10	100	1210	< 2	< 2	2.0	35	55	1740	8.72	1265	112
3960	205	232	< 5	< 1	< 10	82	390	< 2	< 2	2.0	35	76	100	6.72	1250	207
3961	205	232	< 5	< 1	< 10	82	410	< 2	< 2	1.5	36	83	1910	6.74	1250	242
3962	205	232	10	< 1	< 10	92	430	< 2	< 2	2.0	39	87	1040	7.06	1220	236
3963	205	232	< 5	< 1	< 10	94	400	< 2	< 2	1.5	43	96	330	6.57	910	262
3964	205	232	< 5	< 1	< 10	96	910	< 2	< 2	2.0	33	41	840	7.90	1205	60
3965	205	232	< 5	< 1	< 10	158	890	4	< 2	3.0	34	40	940	8.11	1190	54

CERTIFICATION :



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Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1376

Comments: ATTN: W. MEYER CC: A. I. BETMANIS

Page No.: 1-B
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CERTIFICATE OF ANALYSIS A8930797

SAMPLE DESCRIPTION	PREP CODE	Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)		
3936	205 232	2.52	24	2.90	< 0.5	0.39	73	< 0.5	0.13	28	0.23	1.02		
3937	205 232	2.67	74	5.47	< 0.5	0.93	60	< 0.5	0.27	41	0.42	2.53		
3938	205 232	1.44	61	3.81	< 0.5	1.21	50	< 0.5	0.18	37	0.40	1.71		
3939	205 232	1.94	86	7.94	< 0.5	3.19	< 1	< 0.5	0.96	123	3.62	1.04		
3940	205 232	0.29	< 1	7.03	< 0.5	0.80	1	< 0.5	0.16	96	3.46	2.52		
3941	205 232	0.27	< 1	6.88	< 0.5	0.95	< 1	< 0.5	0.16	90	3.39	2.35		
3942	205 232	1.96	83	8.02	< 0.5	2.53	< 1	< 0.5	0.91	160	4.36	0.86		
3943	205 232	1.52	115	5.32	< 0.5	0.32	79	< 1.0	0.26	38	0.75	2.70		
3944	205 232	1.47	58	4.75	< 0.5	1.15	51	< 0.5	0.27	45	0.63	2.56		
3945	205 232	3.91	167	7.97	< 0.5	4.98	78	< 0.5	0.30	213	2.11	0.64		
3946	205 232	1.02	24	2.93	< 0.5	0.71	25	< 0.5	0.13	23	0.24	1.30		
3947	205 232	4.08	157	7.60	< 0.5	3.62	81	< 0.5	0.29	130	1.63	1.18		
3948	205 232	1.10	43	3.61	< 0.5	1.29	61	< 0.5	0.16	56	1.09	1.32		
3949	205 232	2.65	268	5.45	< 0.5	2.69	114	< 1.5	0.43	135	2.15	0.86		
3950	205 232	2.47	109	4.61	< 0.5	2.94	97	< 0.5	0.27	81	1.58	0.56		
3951	205 232	2.62	86	4.34	< 0.5	3.22	1065	13.0	0.23	66	0.69	1.64		
3952	205 232	1.05	84	3.36	< 0.5	0.82	260	3.0	0.18	24	0.31	1.45		
3953	205 232	0.67	144	2.41	< 0.5	0.54	79	1.0	0.12	14	0.19	1.03		
3954	205 232	1.42	243	2.36	< 0.5	1.85	73	1.0	0.12	22	0.12	0.75		
3955	205 232	1.39	294	2.96	< 0.5	1.41	83	1.0	0.14	25	0.13	1.13		
3956	205 232	2.09	79	2.51	< 0.5	0.29	169	< 0.5	0.12	10	0.07	0.62		
3957	205 232	2.20	133	2.06	< 0.5	0.80	15	< 0.5	0.11	21	0.19	0.22		
3958	205 232	2.40	54	2.24	< 0.5	1.49	3	< 0.5	0.10	44	0.61	0.08		
3959	205 232	3.31	363	5.97	< 0.5	4.69	295	< 0.5	1.83	232	1.88	0.46		
3960	205 232	3.48	248	7.82	< 0.5	9.00	123	< 0.5	0.49	356	2.24	0.16		
3961	205 232	4.00	253	7.57	< 0.5	4.74	123	< 0.5	0.50	263	2.64	0.97		
3962	205 232	4.12	254	7.58	< 0.5	5.43	192	< 0.5	0.51	209	2.37	0.62		
3963	205 232	4.40	267	7.73	< 0.5	2.21	115	< 0.5	0.51	178	2.29	0.73		
3964	205 232	2.51	337	6.77	< 0.5	7.40	218	< 0.5	1.34	189	2.09	0.52		
3965	205 232	2.53	326	6.29	< 0.5	5.51	246	< 0.5	1.27	223	2.00	0.66		

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

A8931592

Comments: ATTN: W. MEYER CC: A. I. BETMANIS CC: NEIL HUMPHREYS

CERTIFICATE A8931592

TECK EXPLORATIONS LIMITED

PROJECT : 1376

P O B :

Samples submitted to our lab in Vancouver, BC.

This report was printed on 4-JAN-90.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES
----------------	-------------------

DESCRIPTION

214	5	Received sample as pulp
-----	---	-------------------------

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
398	5	Au oz/T: 1/2 assay ton	FA-AAS	0.002	20.00
385	5	Ag oz/T: Aqua regia digestion	AAS	0.01	20.0
301	5	Cu %: HClO ₄ -HNO ₃ digestion	AAS	0.01	100.0
312	5	Pb %: HClO ₄ -HNO ₃ digestion	AAS	0.01	100.0
316	5	Zn %: HClO ₄ -HNO ₃ digestion	AAS	0.01	100.0



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1376

Comments: ATTN: W. MEYER CC: A. I. BETMANIS CC: NEIL HUMPHREYS

Page No.: 1
Tot. Pages: 1
Date: 17-DEC-89
Invoice #: I-8931592
P.O. #:

CERTIFICATE OF ANALYSIS A8931592

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Ag oz/T	Cu %	Pb %	Zn %				
3951	214 ---	< 0.001	0.40	0.10	0.13	1.34				
3952	214 ---	< 0.001	0.10	0.02	0.02	0.33				
3953	214 ---	< 0.001	0.04	< 0.01	< 0.01	0.05				
3954	214 ---	< 0.001	0.04	< 0.01	< 0.01	0.05				
3955	214 ---	< 0.001	0.03	< 0.01	< 0.01	0.09				

CERTIFICATION : *B. Swaites*



Mineral Tenure Act
 SECTION 28

NOTICE TO GROUP

SUB-RECORDER
 RECEIVED
 FEB 26 1990
 M.R. # 5 \$ 6160.00
 VANCOUVER, B.C. 97
 RECORDING STAMP

INDICATE TYPE OF TITLE MINERAL
 (Mineral or Placer)*

1. Andris I. Betmanis
 (Name)
2600 Belloe Street
 (Address)
North Vancouver, B.C.

Agent for Doramin Resources Ltd.
 (Name)
827 West Pender Street
 (Address)
Vancouver, B.C.

929-2693 V7H 1J1
 (Telephone) (Postal Code)

683-7748 V6C 2G8
 (Telephone) (Postal Code)

Valid subsisting FMC No. 290566

Valid subsisting FMC No. 281761

FMC Code BETMA1

FMC Code DORRE1

request that the following mineral titles be grouped under group name Cimadoro East

Mining Division Skeena

Map No. 103 F/1 E and W.

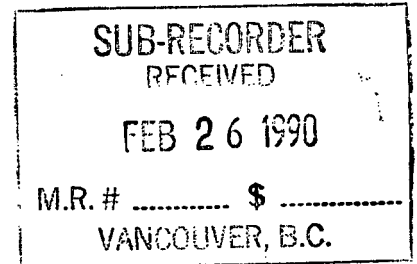
Name of Claim	No. of Units	Title Number
<u>Cimadoro 1</u>	<u>20</u>	<u>6835</u>
<u>Cimadoro 3</u>	<u>20</u>	<u>6837</u>
<u>Lucimin 1</u>	<u>20</u>	<u>6855</u>
<u>Lucimin 2</u>	<u>20</u>	<u>6856</u>
<u>Lucimin 3</u>	<u>18</u>	<u>6857</u>
<u>Lucimin 5</u>	<u>1</u>	<u>6853</u>

Name of Claim	No. of Units	Title Number

Andris I. Betmanis
 (Signature of Applicant)

*Note: Mineral claim(s) and lease(s) cannot be grouped with placer claims and leases

DOROMIN RESOURCES LTD.



February 22, 1990

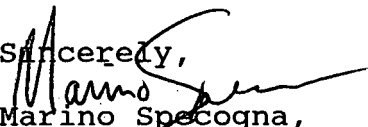
Gold Commissioner
800 Hornby Street
Vancouver, B.C.

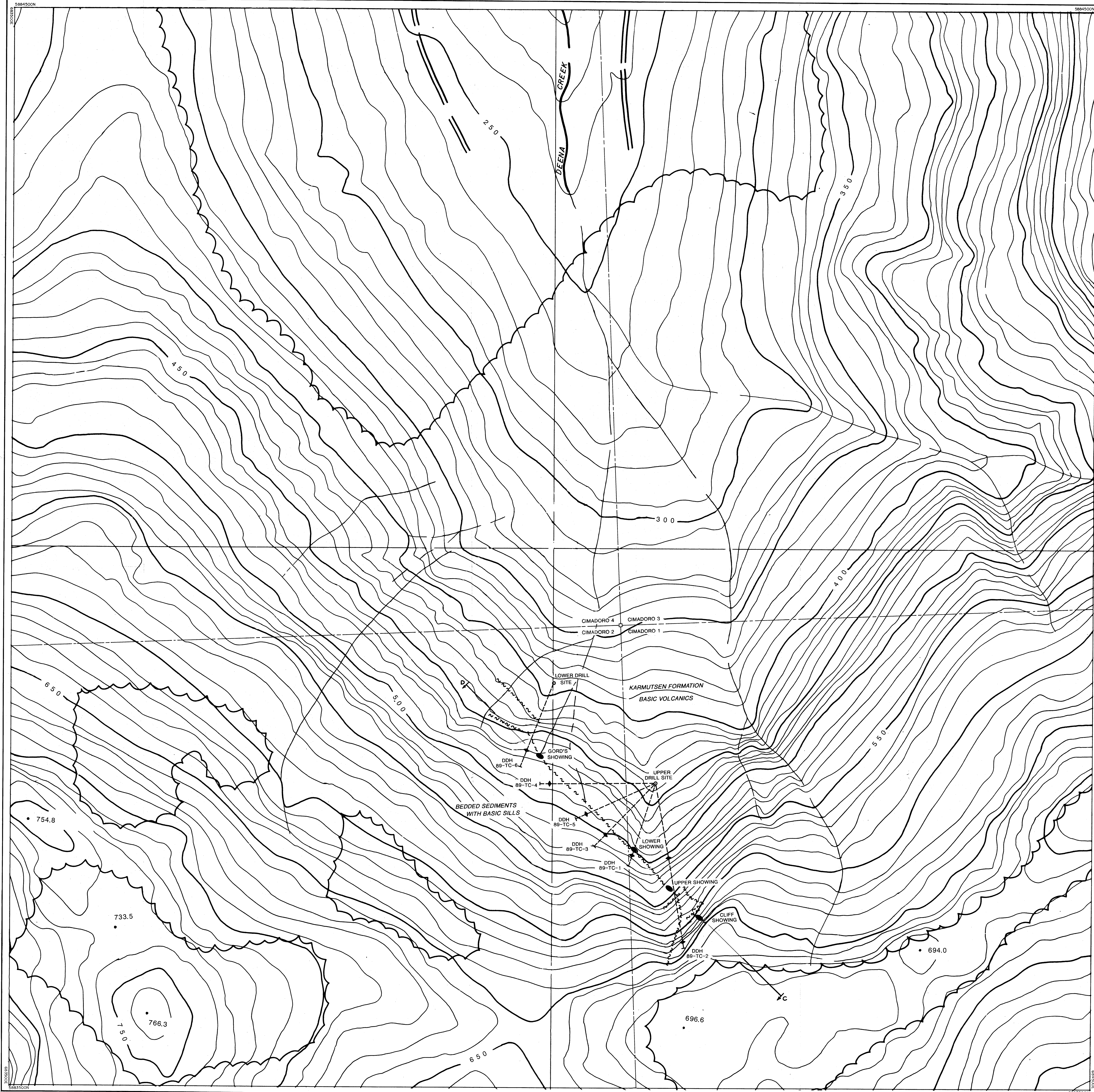
Dear Sirs:

Re: Notices to Group, Cimadoro Property

This letter authorizes Mr. Andy Betmanis of Teck Corp., FMC Number 290566, to group, on behalf of Doromin Resources Ltd., the Cimadoro East and Cimadoro West, and file work on these appropriate claim groups.

Sincerely,


Marino Specogna,
Director.

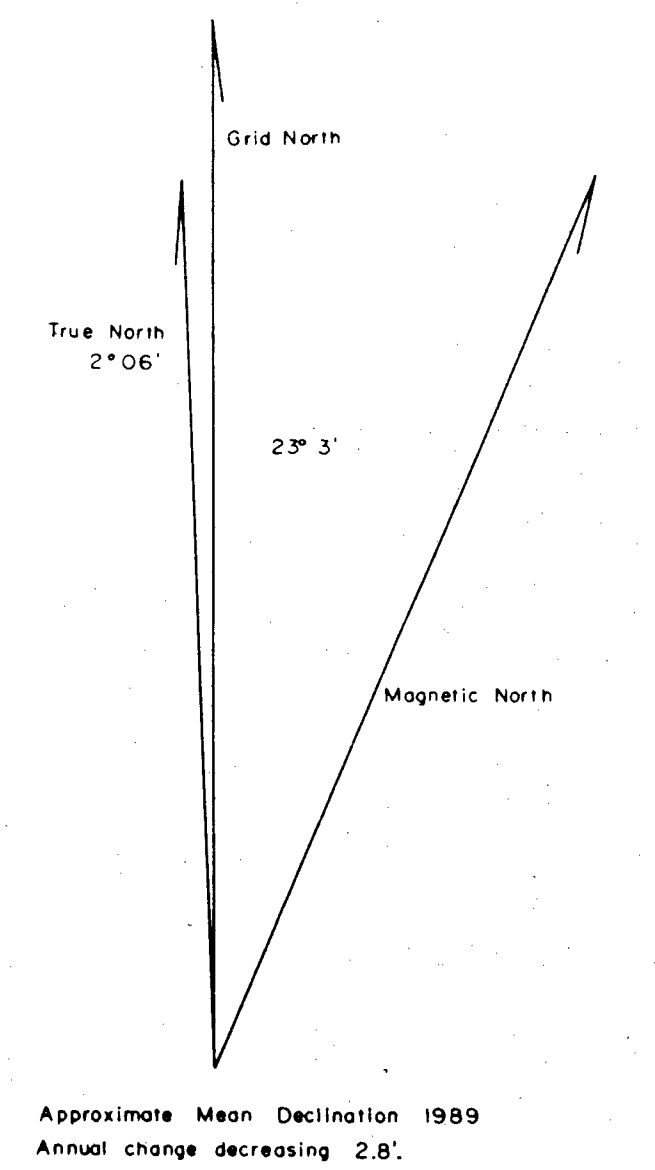


LEGEND

North	True	0
True	0	0
Magnetic	27° 06'	27
Grid	27° 06'	27
Spot Height	25	25
Building	25	25
Fence	25	25
Power Pole	25	25
Cracks	25	25
Ditch	25	25
Setback	25	25
Spot Bar	25	25
Delimited	25	25
Timber Edge	25	25
Air Photo Centre	25	25
Drill Hole	25	25
ADL	25	25
Traced	25	25
Left Corner	25	25
Tree	25	25

Prepared by
 HUGH HAMILTON LTD.
 2825 West 105th Street, Vancouver
 British Columbia, Canada V7P 1M8

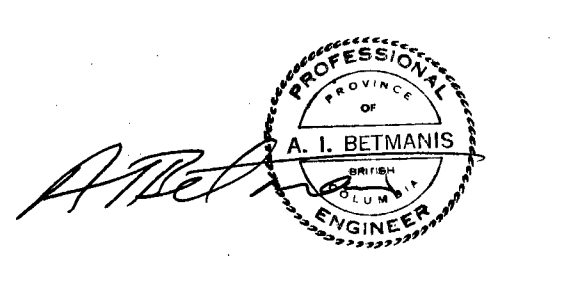
Project No.: 89-058 Date: June 1989
 Mapper: CR



LEGEND

- Vertical projection diamond drillhole
- Sulphide mineralized chert intersection in drillhole
- Massive to semi-massive sulphide surface showing
- Fault or shear, partly observed and interpreted

GEOLOGICAL BRANCH
 ASSESSMENT REPORT
 19,705



TECK EXPLORATIONS LIMITED
 CIMADORO PROPERTY
 QUEEN CHARLOTTE ISLANDS
DRILLHOLE LOCATION MAP
 SHOWING
 SULPHIDE SHOWINGS AND STRUCTURES

0 50 100
 METRES

Feb. 1990 SCALE: 1:1000 NTS: 103 F/1 **FIG. 3**

SE

NW

APPROXIMATE
ELEVATIONS
(metres)

650 -

600 -

550 -

500 -

450 -

400 -

350 -

300 -

250 -

CLIFF SHOWING

UPPER SHOWING

LOWER SHOWING

GORD'S SHOWING

UPPER DRILL
SET-UP

+
63.5m IN FRONT OF
SECTION

LOWER DRILL
SET-UP

+
71.5m IN FRONT
OF SECTION

DDH-1

DDH-3

DDH-2
(20m IN FRONT
OF SECTION)

DDH-4

DDH-5

DDH-6

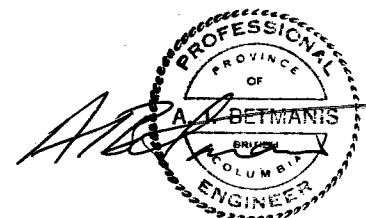
(9m IN FRONT
OF SECTION)

LEGEND

- DRILL INTERSECTIONS OF THE PROSPECTIVE
CHERT UNIT LOCATED IN THE SECTION
- ⊗ DRILL INTERSECTIONS PROJECTED
HORIZONTALLY INTO THE SECTION

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,705



TECK EXPLORATIONS LIMITED
CIMADORO PROPERTY
QUEEN CHARLOTTE ISLANDS

VERTICAL LONGITUDINAL SECTION C-D
THROUGH THE 'MAIN' BAND SEDIMENTS
(VIEW LOOKING SW)

SCALE: 1:1000

Feb. 1990

FIG. 4