COMINCO LTD.

EXPLORATION

NTS: 103 P/5

WESTERN DISTRICT

6 AUGUST 1982

ASSESSMENT REPORT

DIAMOND DRILLING

ANYOX PROPERTY

OBSERVATORY INLET AREA - GRANBY BAY

SKEENA, M.D., B.C.

LONGITUDE: 129°50'W LATITUDE: 55°25'N

DRILLING PERFORMED MAY 6 - JULY 28, 1982 ON

CROWN GRANTS RUDGE (L 481) AND GAMMA (L 480)

REPORT BY: S.B. BUTRENCHUK

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ATTACHMENTS

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ANYOX PROPERTY

INTRODUCTION

The Anyox property, a former copper producer and located on Observatory Inlet, has a history of exploration and production dating back to the early 1900's. Mineralization is of a volcanogenic massive sulphide type with many similarities to the Besshi deposits of Japan.

In 1981 Mitsui and Co. Ltd. optioned the property from Cominco Ltd. and became managers of the property. Hidden Creek Mines Ltd. was subsequently incorporated by Mitsui as a vehicle for exploration which would conform with Canadian Acts and Regulations.

This report covers a proportion of the diamond drill program completed by Hidden Creek Mines on the Anyox property in 1982.

SUMMARY

During 1982, specifically during the period May 6 to July 28, Hidden Creek Mines drilled two holes totalling 1485 feet (452.6 meters) in the area of the Hidden Creek orebodies. Drill hole HC82-1 was designed to test the stratigraphic footwall zone at the southern extension of the Hidden Creek Number One orebody and drill hole HC82-13 was designed to test a coincident IP-Mag anomaly on the Gamma Crown Grant.

LOCATION AND ACCESS

Longitude: 129°50'W Latitude: 55°25'N

Mining District: Skeena

The Anyox property is located on Granby Bay approximately 80 miles north of Prince Rupert and 18 miles west of Kitsault. Access to the property is by fixed-wing aircraft, boat or helicopter from Prince Rupert, Kitsault or Stewart

REGIONAL GEOLOGY

The Anyox area is underlain by an assemblage of generally north trending basic volcanic and sedimentary rocks of probably Jurassic age. These rocks form a large roof pendant in the Coast Range Batholith.

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PROPERTY GEOLOGY

On the property, in the area of the Hidden Creek orebodies, basic volcanic rocks consisting of pillowed basalt and basalt flows and tuffs form the core of a northerly trending and plunging overturned anticline. The east limb of this anticline is overturned and the west limb dips moderately to the west.

Overlying these volcanic rocks is a sedimentary sequence consisting primarily of argillite and siliceous argillite with some intercalated tuff bands immediately above the volcanic contact. Also present within the sedimentary sequence are narrow limestone bands and the occasional quartzite band.

The volcanic-sedimentary contact is marked by a chert or quartz-sericite schist band of variable thickness.

All volcanic and sedimentary rocks on the property have undergone lower greenschist regional metamorphism with the result that most of the rocks have a weak foliation and locally there has been the development of chlorite ± actinolite schists.

Intruded into the volcanic-sedimentary sequence are late stage dykes of varying composition. These dykes have intruded along fractures generally in a north-south direction or northeast-southwest direction.

Mineralization consists of pyrite and pyrrhotite with lesser chalcopyrite and very minor sphalerite. The sulphides in the footwall zone volcanics close to the sedimentary contact consist of narrow bands of massive pyrrhotite and/or pyrite with minor chalcopyrite. Some mineralization is also present in cross-cutting stringers and late stage quartz veins. Lower in the footwall stratigraphy sulphide mineralization is generally in the form of stringers or in quartz veins.

DIAMOND DRILLING

Two diamond drill holes totalling 1485 feet (452.6 metres) were drilled during the period May 6 to July 28, 1982. Drilling was done by Canadian Longyear using a skid mounted Longyear 38 drill and BQ rods and equipment. Moves between holes were done by helicopter or by using a John Deere 450 tractor. With the exception of two intervals in drill hole HC82-13 all core was split (generally in 10 foot sections) and analyzed for copper, zinc, gold and silver by Bondar-Clegg Co. Ltd. using standard atomic absorption techniques. All core is stored on the property on the east side of Hidden Creek on the Rudge Crown Grant (L 481).

Detailed descriptions of drill holes HC82-1 and HC82-13 are given Appendix I.

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Drill hole HC82-1 intersected chloritized volcanic rocks to a depth of 207 feet, a band of chert from 207-269 feet and then argillite for the remainder of the hole. Two narrow mineralized intervals were intersected in the hole and are summarized as follows:

Interval	Length (feet)	Cu (ppm)
126-186	60	3142
289-311	22	2826

Drill hole HC82-13 intersected argillite to a depth of 101 feet and then volcanic rocks to the end of the hole with exception of two long intervals of diorite dyke from 150-254.5 feet and 579-614 feet. In contrast to hole HC82-1 the amount of alteration in the volcanic sequence is less intense. Except for a short interval 412-428 no copper mineralization of significance was intersected in the hole. The overall sulphide content of the hole is probably sufficient to explain the IP anomaly.

CONCLUSIONS

Diamond drill hole HC82-1 intersected two narrow zones of low grade copper mineralization. Drill hole HC82-13, drilled sub-parallel to the main structural trend, intersected only a very narrow zone of low grade copper mineralization. It did, however, intersect sufficient sulphides to explain the IP anomaly.

The stratigraphic footwall zone of the Hidden Creek deposits appear to have some potential for additional mineralization and will require additional drilling. No further drilling is recommended for the area in the vicinity of HC82-13.

Report by: Stephen B. Butrenchuk
Stephen B. Butrenchuk,
Geologist, Cominco Ltd.

Approved for
Release by:
Sigetsugu Seki,
General Manager,
Hidden Creek Mines Ltd.

DISTRIBUTION

Mining Recorder	2
Hidden Creek Mines	3
Cominco	1
Author	1

SBB/ls

STATEMENT OF QUALIFICATIONS

ANYOX PROPERTY

I, Stephen B. Butrenchuk, with business address at 700-409 Granville Street, Vancouver, British Columbia, V6C 1T2, do hereby certify that I have been involved with the diamond drilling program on the Anyox property.

I also certify that:

1. I am a graduate of the University of Manitoba with a B.Sc. degree in 1966 and an M.Sc. degree in Geology 1970.

2. I have been involved in exploration work for Cominco Ltd. since 1970.

3. I have been involved with the exploration work on the Anyox property during the period May 1, 1982 to the present.

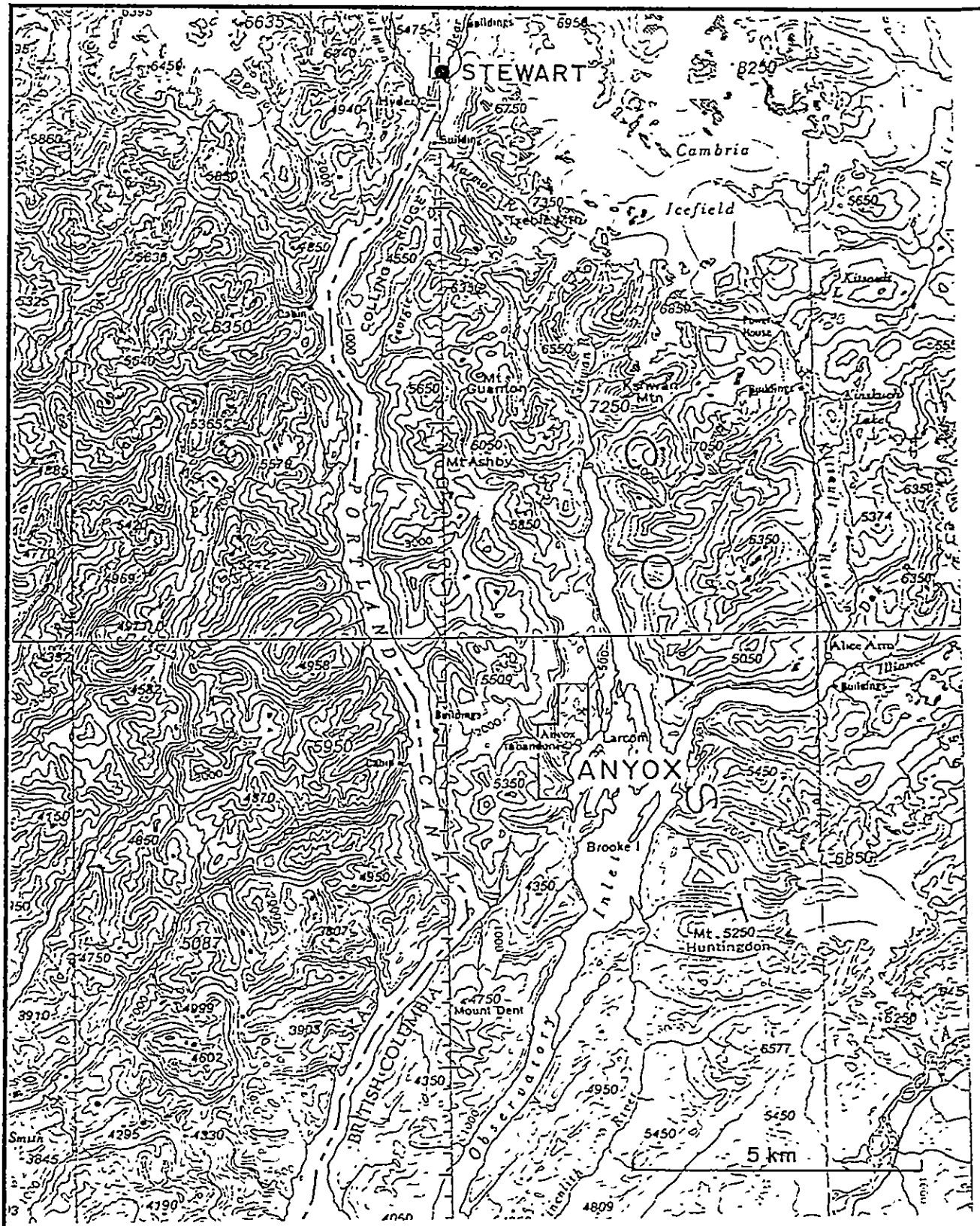
Respectfully submitted: Stephen B. Butrenchuk.

Stephen B. Butrenchuk, B.Sc., M.Sc.
Geologist, Western District.

6 AUGUST 1982.

STATEMENT OF EXPENDITURES

Diamond Drilling: 1394 feet at $24.50/foot	$34,153.00
90 feet at $23.50/foot	2,115.00
Salaries: S. Butrenchuk: 3 days at $150/day	450.00
	$36,718.00



Iss'd To:	Date:

:HIDDEN CREEK MINES

Common

103 P/5

ANYOX

— LOCATION MAP —

Drawn by:	Scale:	Date:	Plate:
SBB	1:100,000	AUGUST, 1982	

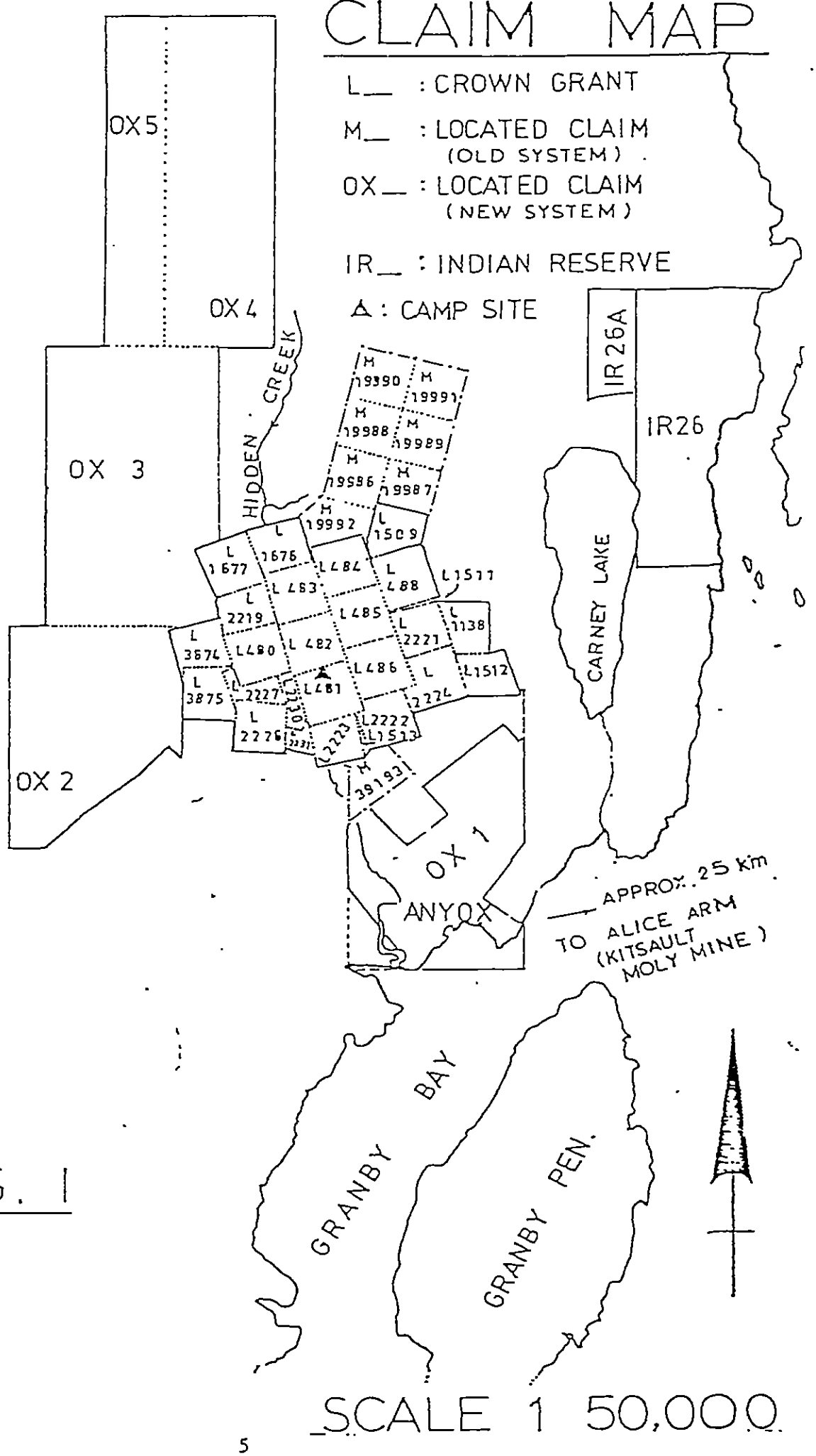

CLAIM MAP
L__ : CROWN GRANT
M__ : LOCATED CLAIM (OLD SYSTEM)
OX__ : LOCATED CLAIM (NEW SYSTEM)
IR__ : INDIAN RESERVE
△ : CAMP SITE
OX5
OX4
OX 3
OX 2
OX 1
ANYOX
HIDDEN CREEK
IR 26A
IR26
CARNEY LAKE
M 19990
M 19991
M 19988
M 19989
M 19986
M 19987
M 19992
L 1509
L 1676
L 1677
L 484
L 483
L 488
L 1511
L 2219
L 485
L 1138
L 2221
L 3874
L 480
L 482
L 486
L 1512
L 3875
L 2227
L 481
L 2224
L 2276
L 2222
L 1513
M 39193
APPROX. 25 km TO ALICE ARM (KITSAULT MOLY MINE)
GRANBY BAY
GRANBY PEN.
SCALE 1 50,000

FIG. 1

APPENDIX I

DIAMOND DRILL LOGS

Colour Plot & Dips

Drill Hole Record

Cominco

Property	ANYOX	District	SKEENA	Hole No.	HC82-13		
Commenced	July 8, 1982	Location	Hidden Creek	Tests at	650'	Hor. Comp.	
Completed	July 11, 1982	Core Size	BQ	Corr. Dip	-45°	Vert. Comp.	
Co-ordinates				True Brg.	171°	Logged by	SBB
Objective	To test a coincident IP and Mag anomaly for Cu mineralization.			% Recov.	98.8	Date	July 14, 1982

Claim GAMMA (L 480) | T Brg. 164° | Collar Dip -50 | Elev. | Length 784' | Hole No. HC82-13 | Sheet 1

Footage From	Footage To	Description	Cpy	Py	Po	Sample No.	Length	Analysis Cu	Zn	Ag	Au
0	8	Overburden	-	<0.5	0.5	8-18	10	32	151	0.5	<5
8	101	Argillite: dark grey, massive to thin bedded, few silty or tuffaceous bands	-	<0.5	0.5	18-28	10	42	228	0.6	<5
		up to 1 foot wide; few limestone bands up to 1 foot wide.	-	<0.5	0.5	28-38	10	27	102	0.2	<5
		- bedding: 35° to near perpendicular to the core axis.	-	0.5	0.5	38-48	10	25	95	0.3	<5
		- weak to moderately sheared; blocky and broken ground throughout	-	<0.5	0.5	48-58	10	23	78	0.2	<5
		most of the interval.	-	1.0	1.0	58-68	10	38	95	0.2	<5
		- very weak sulphides; disseminated Po and the rare stringer of Py.	-	0.7	1.0	68-78	10	41	135	0.4	<5
		8-9 Limestone	-	0.7	1.0	78-88	10	54	194	0.6	<5
		11.5-12 Limestone	-	0.5	1.0	88-98	10	43	383	0.3	<5
		13-14 Silty Argillite or Tuff: lighter grey, thin banded to laminated.									
		16-16.5 Silty Argillite or Tuff: lighter grey, thin banded to laminated.									
		21-22 Limestone									
		43-44 Chert band: at 45° to the core axis									
		50-52 Quartz-carbonate vein: at 45° to the core axis.									
		54-56 Quartz-carbonate band: has a quartzitic appearance, pale grey to cream.									
		68-78 Numerous quartz veins sub-parallel or at a very low angle to the core axis; mineralized; contain Py and Po; also the rock is weak to moderately fractured.									
		at 88' 4" Limestone band.									

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Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	District	Hole No. HC82-13	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Sheet 2 | Hole No. HC82-13

Footage From	Footage To	Description	Cpy	Py	Po	Sample No.	Length	Analysis Cu	Zn	Ag	Au
		96-97 Highly crenulated and quartz veined interval; minor Py and Po	-	Tr	1.5	98-108	10	52	235	0.2	<5
		present.	-	<0.5	1.5	108-118	10	63	117	0.2	10
		100-100.6 Breccia: angular argillite fragments in a quartz cement.	-	<0.5	1.5	118-128	10	62	184	0.2	<5
			-	0.7	1.0	128-138	10	58	166	0.2	<5
101	123	Tuffaceous Argillite-Tuff: dark grey, in general, thin to thick banded; banding	-	1.5	1.5	138-145	7	101	200	0.2	<5
		at 30^{o}-45^{o} to the core axis.	-	Tr	Tr	145-150	5	54	141	0.2	<5
		105-110 Lapilli Tuff or Fragmental Unit: light grey ovoid (up to ¼")									
		fragments in a dark grey "argillite" matrix; some biotite rich bands									
		form the matrix.									
		105.5-117 Lapilli Tuff or Fragmental: (as above).									
123	124.5	Feldspar porphyry dyke: light green, porphyritic with aphanitic ground mass,									
		plagioclase phenocrysts.									
124.5	150	Silicified Lapilli Tuff-Chert: grey fragmental as above except that the rock									
		has been silicified and has a distinct cherty appearance; few									
		mineralized quartz veinlets present.									
		118-120 distinct banding at 30^{o} to the core axis.									
		124.5-130 1' of lost core.									
		145-149 rock has a pale grey to buff colouration; sheared interval, broken									
		core; weakly sericitized.									

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	District	Hole No. HC82-13	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. HC82-13 | Sheet 3

Footage From	To	Description	Cpy	Py	Po	Sample No.	Length	Analysis
150	254.5	Diorite dyke: porphyritic with a fine-grained holocrystalline matrix, grey; contains up to 5% very finely disseminated Py; weakly fractured, very weakly sheared, rare quartz stringer, rare epidote lined quartz vein or quartz breccia-single quartz vein at 187' contains diorite fragments (vein is 1" thick).						
254.5	258	Feldspar porphyry dyke: chilled contacts at 45° to the core axis.						
258	264	Diorite dyke: as above.						
264	270	Lamprophyre dyke: chilled contact at 45° to the core axis.						
270	272	Diorite dyke: chilled and gradational contact with the country rock; chilled portion of the dyke is 6"-12" wide.						
272	326	Tuff-Fragmental Tuff: grey to dark grey, brownish-grey in biotite rich bands. 272-301 rock contains abundant biotite; is weak to moderately siliceous, weakly chloritic and contains minor actinolite. - rock is banded (indistinct); banding is at approximately 20° to the core axis; in general-weakly sheared. - very weak to weak sulphides - mainly Po in quartz stringer which are present but not common.						

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	District	Hole No. HC82-13	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. HC82-13 | Sheet 4

Footage From	To	Description	Cpy	Py	Po	Sample No.	Length	Analysis Cu	Zn	Ag	Au
		272-293 fragmental interval: consists of siliceous fragments in generally	-	Tr	0.7	272-282	10	329	690	0.4	<5
		a biotite rich matrix; in part the matrix is chloritic.	Tr	-	0.7	282-292	10	243	337	0.5	<5
		289-290 - very distinct fragmental appearance: sub-rounded up to 1½" in	-	<0.5	0.7	292-302	10	204	475	0.4	<5
		length ovoid and lensoid fragments in biotite-chlorite matrix;	Tr	-	0.7	302-312	10	228	850	0.4	<5
		- mostly the fragmental nature of the rock is very faint and	Tr	-	0.7	312-322	10	357	145	0.4	<5
		extremely difficult to recognize.	Tr	-	1.0	322-332	10	252	154	0.2	<5
		at 288' 3/4" quartz veinlet at 45° to the core axis contains minor Cpy									
		and some blebs of Po.									
		288-292 minor to moderate shearing sub-parallel to the core axis.									
		292-302 rock has a more massive appearance; some faint biotite rich bands									
		present.									
		302.5-304 fragmental band - possible breccia; sub-rounded, light grey,									
		siliceous fragments present in a very fine-grained, greenish-grey									
		chlorite-actinolite matrix.									
		at 302.5 weak Cpy in a 2" quartz vein.									
		310.5-312 distinct fragmental band; consists of siliceous fragments in a									
		biotite rich matrix; bands at 20° to the core axis.									
		at 321' bleb Cpy.									

Colour Plot & Dips

Drill Hole Record

Cominco

Property	District	Hole No. HC82-13	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. HC82-13 | Sheet 5

Footage From	To	Description	Cpy	Py	Po	Sample No.	Length	Analysis Cu	Zn	Ag	Au
326	421	Basalt: grey, massive, relatively fresh, occasional actinolite rich band,	-	-	0.7	332-342	10	288	145	0.4	<5
		also rare biotite rich band, weakly siliceous, weak chlorite and	-	-	0.7	342-352	10	202	122	0.3	<5
		actinolite.	-	-	0.5	352-362	10	279	154	0.5	<5
		- rock may be pillowed - some actinolite bands may represent pillow	-	-	1.0	362-372	10	565	162	1.1	<5
		selvages.	-	Tr	0.5	372-382	10	425	165	0.8	<5
		- virtually non-foliated; in general - very weakly fractured and	Tr	-	Tr	382-392	10	347	455	0.7	<5
		sheared.	0.5	-	3.0	392-402	10	337	255	0.2	<5
		- very minor sulphides - mainly Po as very narrow stringers or as	-	-	2.0	402-412	10	157	204	0.2	<5
		blebs.	2.0	-	5.0	412-422	10	1080	775	2.0	5
		346-362 few barren quartz veinlets: contacts with the volcanics are marked									
		by green chlorite.									
		357-364.5 numerous biotite rich bands present at a shallow angle to the core									
		axis - probable tuffaceous band.									
		at 386.5' Cpy present along a shear surface.									
		393-394.5 moderate to strongly sheared interval containing 10% Po along shears									
		some Cpy also present along shear planes; shearing is at 20^{0} to the									
		core axis.									
		at 404' few fractures containing bleached zones.									
		407-409 tuff band: 408.5-409 rock consists of a series of ½" thick altern-									
		ating biotite rich and siliceous bands.									

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Colour Plot & Dips

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Drill Hole Record

Cominco

Property	District	Hole No. HC82-13	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Sheet | Hole No. HC82-13

Footage From	To	Description	Cpy	Py	Po	Sample No.	Length	Analysis Cu	Zn	Ag	Au
		412-422 moderately abundant Po and moderate Cpy in irregular stringers;	2.0	-	7.0	422-428	6	970	760	1.7	10
		some mineralization also associated with a quartz vein at 419'-421;	-	Tr	0.5	428-432	4	545	215	0.6	<5
		upper contact of the quartz vein is brecciated - Po and quartz	<0.5	-	3.0	432-442	10	213	232	0.2	<5
		cemented basalt fragments.	Tr	-	2.0	442-452	10	400	201	0.3	<5
			Tr	Tr	2.0	452-462	10	199	176	0.2	<5
421	579	Basalt-Fragmental: grey to greenish-grey, weak to moderately siliceous,	<0.5	-	1.0	462-472	10	368	204	0.3	10
		weak to moderately chloritic, weak actinolite, locally - biotite	Tr	-	0.7	472-482	10	244	415	0.2	<5
		rich matrix.	<0.5	-	1.0	482-492	10	264	269	0.2	<5
		- rock consists of grey, generally lensoid fragments of variable	0.5	-	1.0	492-502	10	470	254	0.2	<5
		length in a chlorite - actinolite matrix; in large part the frag-	Tr	-	1.0	502-512	10	369	208	0.2	<5
		ments are very difficult to recognize.									
		- in general - very weakly sheared.									
		- few tuff bands present - these are pale grey quartzitic appearing									
		bands.									
		423-428 relatively abundant Po (5-10%) in stringers and blebs; also minor									
		Cpy.									
		435-449 number of mineralized quartz veins present; in general mineralization									
		within this unit is very weak and consists of Po as stringers or									
		associated with quartz veining.									
		at 465' trace Cpy within ⅛" quartz stringer.									
		464-479 the fragmental nature of the rock is very distinct.									

Drill Hole Record

Cominco

Property	District	Hole No. HC82-13	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. HC82-13 | Sheet 7

Footage From	To	Description	Cpy	Py	Po	Sample No.	Length	Analysis
		502-512 rock contains some siliceous (cherty) bands or very elongate						
		fragments orientated at 20° to the core axis.						
		502-502.5 sheared and broken core; some Cpy						
		at 520.5 very minor coarse-grained biotite present.						
		534-537 orientation of the lensoid and elongate fragments is sub-parallel						
		to the core axis; interval may possibly be a flow breccia;						
		fragments are sub-angular to sub-rounded						
		547-549 similar to 534-537.						
		551-552 approximately 5% Cpy and 5% Po present as crenulated irregular						
		stringers.						
		561-563 5-10% Cpy, 5-10% Po; present as numerous stringers and blebs						
		in the matrix around fragments.						
		569-571 silicified (cherty) tuff band: sub-parallel to the core axis;						
		brownish colouration due to an abundance of biotite.						
		574-579 rock has a blotchy appearance; in part this is due to rims of						
		black chlorite around fragments; also due to 1/8" diameter						
		chlorite or augite fragments or phenocrysts.						
579 - 614		Diorite dyke: fine to medium-grained, porphyritic, grey, 10% plagioclase						
		phenocrysts; contains up to 5% extremely finely disseminated						
		Py.						

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Colour Plot & Dips

Drill Hole Record

Cominco

Property	District	Hole No. H82-13	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Sheet 8 | Hole No. H82-13

Footage From	To	Description	Cpy	Py	Po	Sample No.	Length	Analysis Cu	Zn	Ag	Au		
614	622	Diorite dyke: chilled contacts.	<0.5	-	1.5	512-522	10	410	234	0.2	<5		
622	646	Diorite dyke: as from 579-614	<0.5	-	2.0	522-532	10	353	730	0.2	<5		
646	684.5	Diorite dyke: coarse-grained, grey, porphyritic; 3' chilled bottom	Tr	-	0.5	532-542	10	535	329	0.2	<5		
		contact.	0.7	-	3.0	542-552	10	895	238	0.2	<5		
		673-684.5 sheared and broken core.	<0.5	-	0.7	552-556	4	935	174	0.4	<5		
			2.5	-	2.5	556-564	8	1040	89	0.4	20		
684.5	695	Basalt - fragmental: dark greenish-grey, broken core, few light grey tuff	<0.5	Tr	0.7	564-574	10	6660	329	5.0	80		
		bands; siliceous fragments in a moderately chloritic matrix.	<0.5	-	0.7	574-579	5	955	58	0.2	15		
695	702	Feldspar porphyry dyke.											
			<0.5	Tr	2.0	684.5-695	10.5	530	60	0.2	<5		
702	718	Basalt: green to dark green, massive relatively fresh, weak to moderate	-	-	-	695-702	7	56	79	0.2	<5		
		actinolite present, weakly chloritic, very weak foliation,	0.7	-	2.0	702-712	10	750	41	0.2	<5		
		in general - weakly sheared.	Tr	-	0.7	712-718	6	240	27	0.2	<5		
		703-704 strongly sheared interval; some breccia; fault.	-	-	-	718-728	10	101	144	0.2	<5		
		711-713 moderate to strongly sheared interval; chlorite present	-	-			[illegible]	[illegible]			<		
		along shears.											
718	728	Lamprophyre dyke: upper contact at 45° to the core axis.											

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	District	Hole No. HC82-13	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. HC82-13 | Sheet 9

Footage From	To	Description	Cpy	Py	Po	Sample No.	Length	Analysis Cu	Zn	Ag	Au
728	784	Basalt: green to dark green,.very weakly siliceous, moderately chloritized	0.7	<0.5	7.0	728-738	10	435	49	0.2	<5
		to 746'; 746-784 moderate to strong actinolite.	0.7	-	4.0	738-748	10	960	67	0.2	20
		- weakly foliated, in general, weakly sheared, very fine-grained,	1.5	-	3.0	748-758	10	1355	53	0.3	5
		massive.	1.0	-	3.0	758-768	10	990	44	0.2	5
		- few bands present - possible pillow selvages.	0.7	-	1.0	768-778	10	440	32	0.2	5
		- few mineralized quartz veins.	<0.5	-	1.0	778-784	6	384	77	0.2	<5
		- minor to moderately abundant sulphides; mainly Po with minor									
		Cpy as stringers and blebs intimately associated with quartz									
		veins.									
	735-746	strong to intensely sheared interval.									
		743-746 fault: breccia and gouge.									
	735-738	20-25% Po in massive stringers with irregular orientation;									
		minor Cpy.									
	at 750'	Cpy and Po in 1" quartz veinlet									
	at 752'	3" band containing blebs of Cpy.									
	at 759'	2" quartz rich interval that contains moderate Cpy									
	at 764'	3" quartz veinlet containing minor to moderate Cpy									
		END OF HOLE AT 784 FEET.									

211-9437

Drill Hole Record

Colour Plot & Dips

Cominco

Property	ANYOX	District	SKEENA	Hole No.	HC82-1		
Commenced	May 14, 1982	Location	Hidden Creek	Tests at	650'	Hor. Comp.	
Completed	May 18, 1982	Core Size	BQ	Corr. Dip	-46.5°	Vert. Comp.	
Co-ordinates				True Brg.	(650') 142°	Logged by	SBB
Objective	To test the footwall to the south of the Hidden Creek Number One orebody.			% Recov.	99.5	Date	May 20, 1982

Claim RUDGE (L 481) | T Brg. 130° | Collar Dip -50° | Elev. | Length 700' | Hole No. HC82-1 | Sheet 1

Footage From	Footage To	Description	Cpy	Py	Po	From-To	Length	Analysis ppm Cu	Zn	Au-ppb Au	Ag
0	41	Overburden	Tr	-	-	41-45.5	4.5	920	425	<5	0.2
			-	2.0	2.0	45.5-55.5	10	78	272	30	0.3
41	43	Basalt: very fine-grained, massive, dark-grey, weakly foliated, moderately	-	5.0	5.0	55.5-65.5	10	121	361	<5	0.4
		chloritic, rare fracture.	Tr	<1.0	10.0	65.5-75.5	10	81	209	<5	0.2
			Tr	1-2.0	5.0	75.5-85.5	10	104	138	<5	0.4
43	66.5	Tuff: relatively massive, biotite rich, occasional siliceous band up to	0.5	0.5	10.0	85.5-95.5	10	170	353	<5	0.4
		½" thick, rock has a blotchy, pseudo-breccia appearance.	Tr	0.5	15.0	95.5-105.5	10	353	331	<5	0.4
		- at 65.5' - 2" quartz veinlet.	Tr-0.5	Tr	5.0	105.5-110.5	5	93	60	<5	0.2
			-	0.1	-	110.5-116.5	6	43	101	<5	0.2
66.5	71	Basalt: massive, light grey, moderately to strongly chloritized, up to 10%	0.6	1.0	2.0	116.5-126	9.5	550	81	<5	0.2
		sulphides (mainly Po) in stringers (up to 1/8" thick) or blebs.	1.0	-	5.0	126-131	5	2860	93	<5	0.6
			0.5	-	2.0	131-137	6	3260	150	20	1.2
71	97	Tuff: banded, light grey, intercalated chlorite rich and silica (cherty)	3.0	-	3.0	137-146	9	9640	620	60	5.4
		rich bands, minor red biotite.	4.0		5.0	146-156	10	5820	410	80	2.6
		- slickensides at 71' and 77'.									
97	105.5	Tuff: biotite rich, banded, in part laminated, intercalated biotite and									
		siliceous (cherty) bands.									
105.5	106.5	Lamprophyre Dyke: contains 0.5% disseminated Py.									

Scale

Colour Plot & Dips

Drill Hole Record

Cominco

Property	District	Hole No. HC82-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. HC82-1 | Sheet 2

Footage From	To	Description	Cpy	Py	Po	Sample No.	Length	Analysis ppm Cu	Zn	Au-ppb Au	Ag
106.5	107	Tuff: moderately siliceous, blotchy appearance due to 20% red biotite,	1-2	-	5%	156-166	10	2980	395	15	1.1
		weakly foliated.	0.5-1.0	-	5-10	166-173	7	3570	605	35	2.0
		at 108' - 6" band of secondary quartz with minor k-feldspar.	0.5-1.0	-	10	173-176	3	1990	595	25	1.6
		- Cpy stringers or blebs (1/8" thick) at 101' and 106.7'.	0.5	-	2	176-186	10	1180	465	<5	1.0
			Tr	-	1	186-191	5	252	75	<5	0.2
107	109	Coarse Fragmental: very siliceous rock, contains moderate biotite and some	-	-	⩽1	191-196 196-199	5 3	20 42	58 61	<5	0.2 0.2
		chlorite; ovoid siliceous clasts (up to ½" in length) are present	-	-	2	199-208.5	8.5	81	59	<5	0.2
		in a biotite-chlorite matrix.	-	-	5-10	208.5-216	7.5	121	25	<5	0.4
			-	3-5	2	216-226	10	38	41	<5	0.2
109	110.5	Tuff: massive, biotite rich unit.	-	5	0.5-1.0	226-236	10	44	55	<5	0.2
110.5	116.5	Lamprophyry Dyke: chilled contact at 65° to core axis.									
116.5	142	Tuff: very siliceous, grey, rare fracture, weakly foliated; faintly									
		banded, in part laminated, red biotite rich unit (5-20%).									
		120-122 Lamprophyre dyke: contacts at 65° to core axis.									
		135-135.5 Chert band.									
		137-142 chalcopyrite stringers and blebs abundant.									
142	191	Silicified Tuff: extremely siliceous or cherty rock, light grey, finely									
		banded, few laminae present, weakly chloritic, minor red biotite									
		up to 15% sulphides as stringers and blebs and narrow bands.									

Drill Hole Record

Scale: Colour Plot & Dips

Cominco

Property	District	Hole No. HC82-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Sheet 3 | Hole No. HC82-1

Footage From	To	Description	Cpy	Py	Po	Sample No.	Length	Analysis ppm Cu	Zn	Au-ppb Au	Ag
		142-156 Cpy abundant in stringers or blebs.	-	15-20	2	236-246	10	99	435	<5	0.2
		- at 144 shear at 50° to core axis; approximately 1" displacement	-	15	1	246-254	8	93	366	<5	0.2
		(sinistral).	-	20	1	254-264	10	525	153	<5	0.6
		- banding is 65° to perpendicular to the core axis.	Tr	Tr	5	264-274	10	910	206	<5	0.6
		- abundant sericite at 183'; moderately abundant Cpy 173'-176'	-	-	10	274-284	10	795	138	5	0.8
		156-158 Biotite rich interval.	-	Tr	-	284-289	5	35	105	<5	0.2
		159-161 Biotite rich interval.	0.5	-	5	289-294.5	5.5	2360	134	<5	1.8
		173-182 banding and/or laminae are crenulated as are the sulphide bands.	1.0	-	5	294.5-301	6.5	3690	635	<5	6.2
			2-2.5	-	15	301-311	10	2520	4500	15	3.2
191	207	Tuff: laminated, in part very finely banded, dark green to very dark grey or	-	-	-	311-314	3	143	101	10	0.2
		black, very minor sulphides (Po) as wispy lenses.									
		- unit may represent an interbanded sequence of tuff and									
		siliceous argillite.									
207	269	Chert: cream to pale grey, weakly foliated, in general finely banded									
		or laminated, some short massive sections, weak to strongly									
		sericitized giving the rock a mottled appearance, weakly fractured.									
		- at 207' brecciated contact.									
		Lamprophyre dykes: 222-223.5, 232-233.5, 237-237.5, 245-246									
		- in all cases the contacts are chilled and very near perpend-									
		icular to the core axis.									

Drill Hole Record

Colour Plot & Dips

Cominco

Property	District	Hole No. HC82-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. HC82-1 | Sheet 4

Footage From	To	Description	Sample No.	Length	Analysis
		209-210 shear sub-parallel to the core axis with minor brecciation.			
		234-245 abundant Py as disseminations or in stringers.			
		at 243.5' trace magnetite.			
269	291	Siliceous Argillite: (some intercalated Silicified Tuff bands).			
		- light grey to grey, finely laminated to thick banded, in part			
		massive; moderately foliated with foliation and banding at			
		65^{0} to the core axis.			
		- siliceous bands up to 12" thick are present; these have a			
		more massive appearance.			
		284.5-289 Lamprophyre Dyke.			
		287-291 Tuff or Fragmental Unit: very light grey, siliceous, faint fine			
		banding present.			
291	297	Siliceous Argillite: grey, laminated to finely banded, locally some very			
		fine crenulation of the laminae.			
297	311	Silicified Tuff: very light grey to cream, fine banded.			
		- contact with argillite is sheared.			
		301-302 fragmental unit with 35% Po and trace Cpy.			
		at 310.5 minor red biotite present.			
		301-311 weak to moderate Cpy as irregular stringers or blebs.			

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Colour Plot & Dips

Drill Hole Record

Cominco

Property	District	Hole No. HC82-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Sheet 5 | Hole No. HC82-1

Footage From	Footage To	Description	Cpy	Py	Po	Sample No.	Length	Analysis ppm Cu	Zn	Au-ppb Au	Ag
311	314	Lamprophyre Dyke· slickenside surfaces relatively common with serpentine	Tr	2	0.5	314-322	8	213	131	<5	0.6
		present along the majority of these surfaces; weak actinolite	-	5	0.5	322-332	10	52	209	<5	0.8
		present.	-	2-5	2-5	332-339	7	79	246	<5	2.0
			-	2-5	2-5	339-349	10	91	1100	<5	1.8
314	428	Argillite: very siliceous, dark grey to black, thick bedded to massive,	-	1-2	1-2	349-359	10	55	825	<5	0.6
		few light grey quartzitic bands (banding at 65° to core axis).	-	1	2	359-369	10	46	338	<5	0.8
		- quartz and/or quartz-carbonate stringers weak; increase in	-	1-2	3-5	369-379	10	65	650	<5	0.7
		abundance from 332-358.	-	1-2	2-5	379-389	10	53	600	<5	0.9
		- 2 sets of stringers: oldest stringers (parallel to banding)	-	1	3-5	389-399	10	47	232	<5	0.7
		contain quartz and Po; younger stringers (various orientations)	-	0.5	1-2	399-409	10	34	415	<5	0.6
		contain quartz-carbonate but no sulphides.	-	1-2	2-5	409-419	10	56	730	<5	0.9
		- from 322' the argillite is less siliceous and in part contains	-	2	2	419-428	9	51	725	<5	0.8
		weak to moderate graphite generally along shear surfaces.									
		at 369' 2" Lamprophyre dyke.	-	Tr	-	428-438	10	23	92	<5	0.2
		371-372 Lamprophyre dyke (contacts perpendicular to core axis)	-	Tr	-	438-449	11	26	88	<5	0.2
		379.5-381 Limestone: dark grey micritic.	-	2	2	449-459	10	51	515	<5	0.9
		at 366.5-367.5, 369-370, 389-391 - conglomeratic appearing rock (resembles	-	Tr	2-3	459-469	10	29	198	<5	0.8
		a pistolic rock); 389-391 section there appears to be a grad-	-	2-5	1-2	469-479	10	23	238	<5	0.4
		ation in the size of these rounded pebbles indicating an	-	1	1	479-489	10	27	212	<5	0.4
		overturning of beds.									
		at 396' shearing sub-parallel to core axis to 397'									
		413-415 interbedded sequence of limestone and argillite.									

Scale,

Colour Plot, & Dips

Drill Hole Record

Cominco

Property	District	Hole No. HC82-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. HC82-1 | Sheet 6

Footage From	Footage To	Description	Cpy	Py	Po	Sample No.	Length	Analysis ppm Cu	Zn	Au-ppb Au	Ag
		at 428 contact: 4" band of quartz-filled shears.	-	1	1	489-499	10	34	253	<5	0.8
			-	1-2	2-3	499-509	10	38	133	<5	0.8
428	433	Feldspar porphyry dyke.	-	Tr	2-3	509-519	10	24	258	<5	0.5
433	435	Augite porphyry dyke.	-	Tr	1	519-529	10	35	274	<5	0.6
435	442	Feldspar porphyry dyke.	-	Tr	2-5	529-539	10	20	326	<5	0.4
442	444	Augite porphyry dyke.	-	1-2	2-5	539-549	10	24	206	<5	0.4
444	449	Lamprophyre dyke.	-	1-2	2-5	549-559	10	34	218	<5	1.0
449	700	Argillite: dark grey to black, in part weakly foliated, contains sections of weak graphite.									
		449-451 moderately sheared with relatively abundant quartz stringers' minor sulphides (Po, Py) within argillite and occasional quartz stringer.									
		at 452 Limestone (1")									
		at 457-457.5, 462.5-463: Limestone (contacts at 60^{0} to core axis)									
		at 471 Lamprophyre dyke (4"): at 70^{0} to core axis; at 472' 6" dyke.									
		at 470' and 473' : thin bands of weakly brecciated rock.									
		479-481.5: Limestone band: ½" thick, crenulated and sub-parallel to core axis.									
		478-494 banding at shallow angle to the core axis.									
		480-481 ½" band of 50% Po sub-parallel to the core axis.									
		Chert at: 498.5-499, 500-500.5, 504-505									

Drill Hole Record

Cominco

Property	District	Hole No. HC82-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. HC82-1 | Sheet 7

Footage From	To	Description	Cpy	Py	Po	Sample No.	Length	Analysis ppm Au-ppb Cu	Zn	Au	Ag
		- at 505 1" band of Po.	-	1	2-3	559-569	10	34	131	15	0.6
		486-489 shearing present: sub-parallel to core axis.	-	1-2	1-2	569-579	10	60	420	<5	0.6
		- at 523' Limestone: 6" band.	-	2	1	579-589	10	38	379	<5	0.4
		Shearing: at 500-501, 520-522.5 all at a low angle to the core axis.	-	1	1-2	589-599	10	41	1020	<5	0.6
		494-537.5 banding (bedding) at various angles to the core axis.	-	1-2	1-2	599-609	10	47	800	<5	0.6
		Limestone: 544-545, 562 (4" at 50° to core axis), 559 (4")	-	2-5	Tr.	609-619	10	76	161	<5	1.2
			-	1	1	619-629	10	72	915	<5	1.6
		- at 534 quartz-feldspar stringer cut by quartz-carbonate stringer and	-	1	1	629-639	10	62	161	<5	0.7
		displaced.	-	5	0.5	639-649	10	69	187	<5	1.2
		- at 562 Limestone (4")	-	5-7	0.5	649-659	10	73	177	<5	1.1
		- at 565 Chert (6")	-	1-2	1-2	659-669	10	76	206	<5	0.9
		at 571: Quartz veinlet (6")	-	1-3	1-3	669-679	10	72	1590	<5	0.5
		575.6-577 Lamprophyry dyke (70° to core axis)	Tr	1-2	2-5	679-689	10	87	179	<5	0.6
		577-581 sheared section; broken core.	-	1-3	2-4	689-700	11	41	143	<5	0.7
		592-593 silicified zone; in part cherty									
		at 594.5 Limestone (6")									
		602-603 cherty band									
		605-606 sheared rock									
		625-626.5 quartz-carbonate filled "crackle breccia".									
		633-636.5 sheared and brecciated section; shearing at 20° or less to the									
		core axis.									
		650-651 sheared and brecciated section									

Drill Hole Record

Colour Plot & Dips

Cominco

Property	District	Hole No. HC82-1	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim | T Brg. | Collar Dip | Elev. | Length | Hole No. HC82-1 | Sheet 8

Footage From	To	Description	Sample No.	Length	Analysis
		660-662 and 670-673: chert			
		at 669.5 massive Po (1")			
		673-679 Quartzite: brown, fine-grained, massive			
		679-686 silicified argillite and limestone			
		691 - 692, 698-700: Limestone			
		687-688 Cherty rock.			
		689-700 Bedding variable but mainly at 65^{0} to the core axis.			
		END OF HOLE AT 700 FEET.			

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