

83-#872-11704

COMINCO LTD.

EXPLORATION

NTS 93L9W

WESTERN DISTRICT

ASSESSMENT REPORT

DIAMOND DRILLING

TOPLEY-RICHFIELD PROPERTY

MINERAL CLAIMS CDF 3, CDF 4

OMINECA MINING DIVISION, B.C.

TOPLEY, B.C.

Latitude: 54°35'N

Longitude: 126°16'W

WORK PERFORMED OCTOBER 11 TO NOVEMBER 18, 1983

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,704

10 JANUARY 1984

W.E. WILEY

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Location Map

Drill Hole Location Map

Drill Logs TR83-1 to TR83-5

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

ASSESSMENT REPORT

Diamond Drilling
Topley-Richfield Property
Mineral Claims CDF 3, CDF 4
Omineca Mining Division, B.C.
Topley, B.C.

LOCATION AND ACCESS

The Topley-Richfield property is located on map sheet 93L9 with the centre of the claims at 54°35'N latitude, 126°16'W Longitude. Access is by paved road for 7 km north of Topley, B.C. and 2 km of gravel and dirt road east from the paved Granisle Highway (Plate 1).

TOPOGRAPHY AND VEGETATION

The topography on the claim is generally flat. Mount Tachek and Mount McCrea lie to the immediate east of the claims. Overburden is up to 30 m thick except on the slopes of the mountains and in the Findlay Creek valley.

Vegetation consists of young pine and poplar in an old burn with patches of mature spruce, pine and poplar.

HISTORY

The property includes the Topley-Richfield Mine discovered in 1926. Initial work involved the sinking of a shaft for 200 feet and driving 2 levels. A variety of exploration activity has taken place on the property over the years by various operators including Silver Standard Mines, Seemar Mines and Canadian Superior between the discovery date and 1975.

In 1979 the property was restaked by F.B. Whiting and a portion was sold to Cobre Exploration Ltd. Considerable work was done by Cobre between 1979 and 1981 including 10 line miles of magnetometer survey and 5300 m of drilling in 28 surface holes.

Cominco examined the property in 1982 and did a magnetometer survey involving 35 line km over part of the property. Negotiation with Cobre for an option of the property continued to mid 1983. A geophysical test survey was conducted during the end of September 1983, involving 14 line km of induced polarization and 12.5 km of HLEM.

SUMMARY OF WORK DONE

A surface drill program involving 655.6 m in 5 holes was conducted during October, 1983.

GEOLOGY

Overburden cover of the property is extensive, consequently the geological information is based on outcrop on the western slope of Mount Tachek and in the Findlay Creek valley. This outcrop data is supplemented by the drill information in the area of the old Topley-Richfield deposit.

Three geological units have been identified. The Au/Ag mineralization of the deposit is hosted by a buff, fragmental unit of variable carbonate and silica content and which is locally called "Topleyite". The hanging wall unit is a coarse, dark green, andesitic schistose, tuff or volcanic flow. The pervasive schistosity is the diagnostic feature of the unit. The footwall unit to the "Topleyite" is a clastic andesitic rock which varies from a tuff to agglomerate. This unit is often altered to "Topleyite" at its upper contact. Epidote is common deeper into the footwall. The western slope of Mount Tachek is exclusively made up of this unit.

The drill information indicates a north-south strike and an approximate 45° western dip to these geological units.

PURPOSE OF THE DRILL PROGRAM

The purpose of the 5 holes was to search for the northern continuation of the mineralization-hosting "Topleyite". To this end hole 83-1 was located some 350 m north of any previously drilled hole. The 5 holes were located in two fences across the anticipated strike of the "Topleyite".

SUMMARY OF DRILL RESULTS

The drilling intersected "Topleyite" in the two holes in the southernmost fence (DDH 83-2 and DDH 83-4, see Plate 2 for drill hole locations and Appendix for drill logs). Pyrite, sphalerite and galena are present in minor amounts in these holes.

The three holes in the northern fence intersected mostly hanging wall andesitic rocks. A HW/FW contact does occur in hole 83-5 without the mineralization hosting "Topleyite".

Three of the five holes intersected quartz veins with up to 10% sulphides. Vein widths were up to 1.3 m.

Report by:

WE Wiley
W.E. Wiley
Project Geologist

Endorsed by:

M. Osatenko
M.J. Osatenko
Senior Geologist

Approved for
Release by:

M. J. Waite for
G. Harden
Manager, Exploration
Western District

WEW/sav

Distribution:

Mining Recorder (2)
Western District (1)
WEW (1)

APPENDIX A

STATEMENT OF EXPENDITURES

1983 DIAMOND DRILLING ON CDF 3 AND CDF 4 MINERAL CLAIMS

Salaries

W.E. Wiley	October 11 to November 18	31 days @ \$250	\$ 7,750
K. McKinnon	13 days @ \$85		1,105
F. Ferguson	5 days @ \$150		750

Diamond Drilling

J.T. Thomas Diamond Drilling (1980) Ltd. of Smithers, B.C. Holes 83-1, 83-2, 83-3, 83-4, 83-5 = 655.6 m @ \$73.22		48,002
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Transportation

Truck Rental, etc.	1,500
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Domicile

34 mandays @ \$50	1,700
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Supplies


1,100

Assaying

36 samples @ \$20.50	738
Multi-element atomic absorption spectrometry plus fire assays	

TOTAL \$62,645

Signed:



W.E. Wiley
Project Geologist

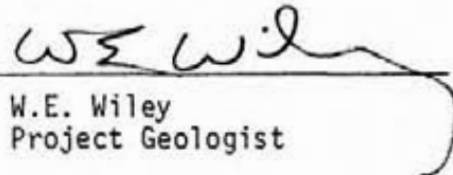
APPENDIX B

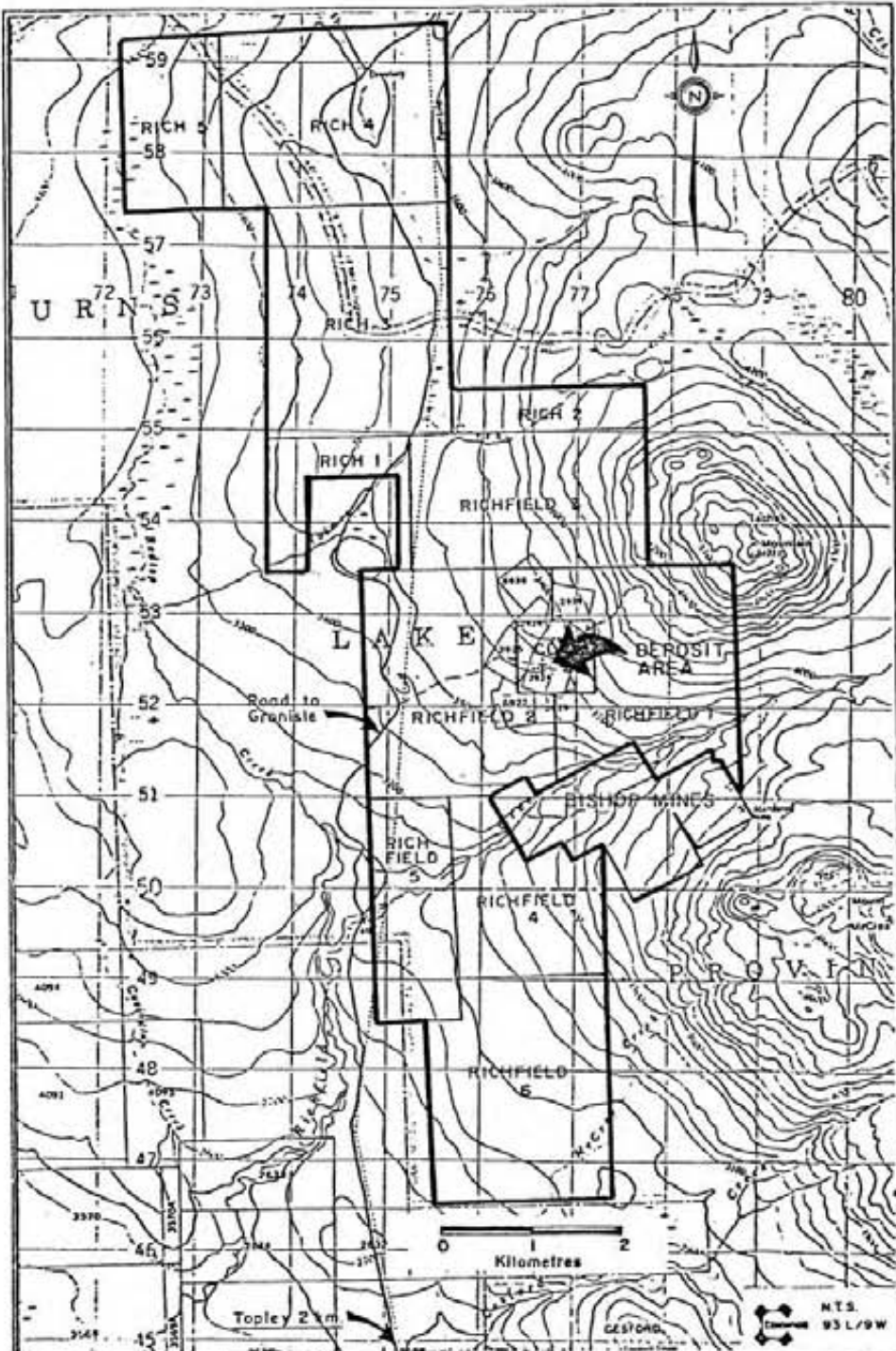
STATEMENT OF QUALIFICATIONS

I, WILLIAM ELDEN WILEY, hereby declare that I was graduated from the University of Western Ontario with an Honours B.Sc. in geology during 1961 and further received an M.Sc. in geology from the University of Saskatchewan during 1970. Since graduation, I have been employed by Hudson Bay Mining and Smelting from 1961 to 1964 and with Cominco Ltd. since 1964. During the period of employment I have been engaged in many aspects of exploration and mine geology.

Dated this 17th day of January 1984
at Vancouver, British Columbia

Signed:


W.E. Wiley
Project Geologist



Drawn by:	Traced by:
Checked by:	Reviewed by:

Scale: 1:50,000 Date: November 16, 1983 Page: 1

Scale

Colour Print
& Disc

Drill Hole Record



Property	TOPLEY-RICHFIELD	District	Omineca	Hole No.	TR 83-1
Commenced	October 16, 1983	Location	4+50N/3+75W	Tests at	495' = 51°
Completed	October 19, 1983	Core Size	NQ	Corr. Dip	
Co-ordinates		True Brg.	F	Logged by	WEW
Objective	Core stored at property.		% Recov.	Date	Oct. 22, 1983

Meterage		Description	Sample No.	Length	Analysis
From	To				
0	61.0	CASING - Bedrock depth approximate as this rock is very soft and there were some dark specs in return.			
61.0	62.7	BRECCIA - Soft green chlorite matrix. Clasts are black, fg., probably amygdaloidal basalt with small round vesicules filled with white material (non-effervescent) specs of py.			
62.7	65.0	ANDESITE - Fragmental - clasts = 2 mm - some clasts are augite.			
65.0	66.7	ANDESITE - Fine grained becoming medium grained, non fragmental.			
66.7	69.2	GOUGE - Green soft, fragments toward base.			
69.2	74.4	ANDESITE - Dark green, competent rock.			
74.4	76.0	GOUGY ANDESITE - Green - some fg dark clasts (2 cm).			
76.0	78.3	Dark fine grained basalt, possibly dyke.			
78.3	103.9	ANDESITE & GOUGE - Andesite clasts of various sizes mixed with lighter green chlorite mud. Very soft rock. Occasional calcite bleb.			
103.9	113.4	TUFF - Pale green, laminated (water deposited) grain size is silt to sand. Some pale green gougy sections. Occasional 2-3 cm clast of andesites porphyry rock phenocrysts are probable shards (glassy). Core L = 45° at 107.3 m, 35° at 112.2 m.			
113.4	150.9	ANDESITE & GOUGE - As between 78.3 - 103.9. Very chloritic below 141.0 m.			
END		THIS COMPLETE HOLE IS HW ANDESITE.			
		Samples taken for IP test at 61.5, 71.6, 76.2, 91.4, 113.0 & 150.0.			

Claim	CDF 3
T Brg.	F
Collar Dip	-45°
Elev.	
Length	150.9 m
Hole No.	TR 83-1
Sheet	1

NO SAMPLING

WEW

Scale
Colour Pen
& Dip

Drill Hole Record



Property	TOPLEY-RICHFIELD	District	Onineca	Hole No.	TR 83-2
Commenced	October 20, 1983	Location	3+00N/1+25W	Tests at	120 m = 50°
Completed	October 21, 1983	Core Size		Corr. Dip	-45°
Co-ordinates				True Brg.	E
Objective	Core stored at property.			% Recov.	
				Logged by	WEW
				Date	Oct. 22 1983

Meterage From To	Description	Sample No.	Length Meters	Analysis		Fire
				Ag02	Ag02	
0 - 36.6	Overburden.					
36.6 - 37.9	Quartz vein - white, opaque, hair line fractures with dark sulfide or hematite.	27001	1.3	<0.003	0.09	
37.9 - 50.1	Black argillite with contorted bedding, breccia appearance in places. Quartz as fragments and bands. Some vugs. Scratching gives faint hematite colour. May be a carbonaceous tuff.					
	Core angle 40.0 m = 60°					
	37.9 - 38.4 Argillite + qtz	27002	0.5	<0.003	0.09	
	46.4 = 25°					
	38.4 - 39.4 Argillite	27003	1.0	<0.003	0.04	
	48.1 = 40°					
	42.5 - 43.1 Argillite + qtz	27004	0.6	<0.003	0.03	
	45.5 - 46.0 Argillite + qtz	27005	0.5	<0.003	0.08	
50.1 - 51.7	Argillite and "topleyite". The "topleyite" unit is greenish-buff coloured. This transition section from the black shaly rock to the "topleyite" appears to be a colour change through alteration, with some colour bands crossing bedding. Core angle at base is 35°.					
	50.1 - 51.1 Argillite with greenish buff alteration	27006	1.0	0.003	0.06	
	51.1 - 51.7 Argillite to "topleyite"	27007	0.6	<0.003	0.07	
51.7 - 53.3	Topleyite unit, greenish-buff, laminated. Quartz as thin laminae. Thicker (4 cm) bands and eye shapes - estimate 30% to 40% qtz. Pyrite as whisps, also possibly a grey sulfide. Core angle at 52.5 m about 25°.					
	51.7 - 52.3	27008	0.6	0.003	0.14	
	52.3 - 53.3	27009	1.0	0.003	0.30	
53.3 - 53.7	Quartz, argillite whisps, and sulfide (pyrite) bands, lower contact with "topleyite" unit at 80° - looks like a depositional contact (10% sulfides).	27010	0.4	0.156	0.96	
53.7 - 54.3	Topleyite unit: greenish buff, possible qtz eyes at top 10 cm, the rest is without distinctive features disseminated pyrite (1%).	27011	0.6	<0.003	0.08	
54.3 - 55.1	Altered F.W. Andesite with distinctive white angular (feldspar?) phenocrysts.	27012	0.8	<0.003	0.10	

WEW

Claim CDF 3
T Brg. E
Collar Dip -45
Elev.
Length 125.5 m
Hole No. TR 83-2
Sheet 1

Scale
Colour Plot
& Dip

Drill Hole Record



Property	District	Hole No. TR 83-2		Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
Commenced	Location	Tests at	Hor. Comp.							
Completed	Core Size	Corr. Dip	Vert. Comp.							
Co-ordinates		True Brg.	Logged by							
Objective		% Recov.	Date							
Metrage From To	Description	Sample No.	Length Meters	Analysis Auoz	Fire Agoz					
55.1 - 59.1	"Topleyite" unit, laminated - slightly contorted, variable quartz content from qtz eyes to bands. Bright green mineral 56.8 to 57.1. Good sulfide section 57.1 - 57.6 with pyrite, galena, possible sphalerite. Sulfides variable but occur throughout (pyrite)									
	55.1 - 56.0	27013	0.9	0.003	0.09					
	56.0 - 57.1	27014	1.1	0.005	0.26					
	57.1 - 57.6	27015	0.5	0.010	1.56					
	57.6 - 58.1	27016	0.5	0.016	0.29					
	58.1 - 58.6	27017	0.5	0.016	0.08					
	58.6 - 59.1	27018		0.060	0.44					
59.1 - 105.0	Footwall Andesites - grey, bleached appearance, white phenocrysts. This is a clastic unit - probably an agglomerate with the phenocrysts in the clasts. Rust stain along fractures from 61.0 to 81.0. Core L at 60.0-50°. Short AAV sections 61.0 - 61.5, between 85.3 and 90.5 Hematite stain 92.6 to 94.8 59.1 - 60.0									
		27019	0.9	0.005	0.16					
105.0 - 126.5	Green Andesite or Lapilli tuff - a chloritite rich clastic unit with clasts up to 5cm. Some small clasts are epidote and augite. Quartz (white) and calcite or dotomite (white & orange) veins from 118.9 to base. Veins are parallel to 90° with no sign of sulfides. Very clay-rich sections from 191 (ie core expanded & turned to mud over nite). Basal metre a chloritic mud.									
END										

Scale
Colour Print
& Date

Drill Hole Record



Property TOPLEY-RICHFIELD District _____ Hole No. TR 83-3
 Commenced October 21, 1983 Location 4+50N 1+50W Tests at 141.7m=52° Hor. Comp. _____
 Completed October 22, 1983 Core Size N0 Corr. Dip 46° Vert. Comp. _____
 Co-ordinates _____ True Brg. _____ Logged by WEM
 Objective Core stored at property. % Recov. _____ Date Oct 24/83

Claim	CDF 3
T Brg.	E
Collar Dip	-46°
Elev.	
Length	141.7m
Hole No.	TR 83-3
Sheet	1

Metrage From To	Description	Sample No.	Length	Analysis
0 - 39.6	Casing - Overburden to 35.0			
39.6 - 58.5	Green Chloritic gougy appearing material with sections of breccia with chloritic matrix and green andesitic or tuffaceous clasts. This rock is not a tectonic breccia. Soft muddy, gougy appearance is likely the result of original composition & deposition. THIS IS H.W. ANDESITE			
58.5 - 59.3	Black fine grain basalt - probable dyke			
59.3 - 65.2	Green chloritic mud and breccia			
65.2 - 72.2	Andesite dark green, medium grained with fine grained layers in top 2 meters. Layers are ~80°. Sections tuffaceous. Fairly massive appearance.			
72.2 - 74.6	Green gouge and breccia			
74.6 - 110.0	Green Andesitic Tuff, medium grained with fine grained section below 80.5m, tuffaceous sections to 92m then massive andesite to 110.0. A medium grained 10cm band at 90.5m has core L of 30°, laminae in fine grained material on each side has similar attitude (definite bedding). Very few qtz filled fractures.			
110.0 - 114.1	Dark green Andesitic tuff - medium grained, qtz filled fracturing more common than above section, occasional whisp or inclusion of fine grained andesite inclusions or clasts are angular to sub rounded and tabular. A planar slip at 111.6 at 30° to core.			
114.1 - 115.9	Grayish-brown tuffaceous rock with considerable quartz filled multi-directional fracturing. Colour possibly the result of bleaching.			
115.9 - 117.5	Shattered green andesitic tuff, medium grained.			
117.5 - 118.3	Greyish-brown tuffaceous rock, medium grained. Bluish gray 5mm band of quartz at 55° to core (possibly chert)			

WEM

Scale

Colour Plot
& Dip

Drill Hole Record



Hole No. TR 83-3

Property	District	Tests at	Hor. Comp.	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet	2
Commenced	Location	Corr. Dip	Vert. Comp.								
Completed	Core Size	True Brg.	Logged by								
Co-ordinates		% Recov.	Date								
Objective											
Meterage	Description	Sample No.	Length	Analysis							
From To											
118.3 - 134.5	Coarse medium green tuff with muddy chloritic matrix and clasts containing black or very dark green augite or altered augite. Mud increases with depth to 128.0 then rock becomes slightly more competent and medium grained.										
	This is typical H.W. unit.										
134.5 - 141.7	Dark green Andesitic tuff, mostly medium-grained some fine grained but gradational contacts. Section with coarse white quartz fragments at start and 135.9 to 136.5.										
	THIS HOLE IS ALL H.W.										

Scale

Colour Plot
& Dip

Drill Hole Record



Property	TOPLEY-RICHFIELD	District		Hole No.	TR 83-4
Commenced	October 23, 1983	Location	3+00N/0+25W	Tests at	111.2 = 53°
Completed	October 24, 1983	Core Size		Corr. Dip	45°
Co-ordinates		True Brg.	E	Logged by	WEW
Objective	Core stored at property.		% Recov.	Date	Oct. 26, 1983

Claim	CDF 4
T Brg.	E
Collar Dip	-45°
Elev.	
Length	111.2 m
Hole No.	TR 83-4
Sheet	1

Meterage	Description	Sample No.	Length Meter	Analysis AuOZ	Fire AgOZ
From To					
0 - 20.4	Casing				
20.4 - 21.2	Quartz vein, vugs, rust stained. Well mineralized with pyrite galena, sphalerite, also malacite stain.	27020	0.8	0.005	1.60
	Lower contact at 20° to core. Section short .2 m.				
21.2 - 23.5	"Topleyte": pale creamy greenish colour, extensive rust stain on fractures, laminated quartz section at 21.4 to 21.6 with core angle about 10° core angle with bedding at 22.2 m is 15°. Minor disseminated pyrite (also as shisps) and a grey sulphide also very minor quantities. This unit is likely depositional "topleyite" not hydrothermal alteration.				
	21.2 - 22.8	27021	1.6	<0.003	0.15
	short 0.2 m 22.8 - 23.5	27022	0.7	<0.003	0.04
23.5 - 28.6	Grey F.W. Andesite speckled with white feldspar - possibly volcanic flow, 20 cm section of Topleyte at 26.2 m. Rust staining along fractures. Core L at 26.2 = 35° and at 26.3 = 60°.				
28.6 - 32.3	Bleached section looks similar to topleyte unit but suspect hydrothermal alteration of FW unit plus some injection. Parts very siliceous. Sulphides in minor amounts in bands with quartz, also in hairline fractures at various angles. Pyrite is dominant with specs of sphalerite and galena.				
	Occasional grey FW Andesite patch 28.6 - 29.6	27023	1.0	0.005	0.22
	29.6 - 30.8	27024	1.2	0.003	0.05
	Core L at 30.0 = 45° 30.8 - 32.3	27025	1.5	0.003	0.14

Scale
Colour Plat
& Dip

Drill Hole Record



Property	District	Hole No. TR 83-4
Commenced	Location	Tests at
Completed	Core Size	Hor. Comp.
Co-ordinates		Vert. Comp.
Objective		True Brq.
		Logged by
		% Recov.
		Date

Claim	Y Brq.	Collar Dip	Elev.	Length	Hole No.	Sheet
						2

Meterage	Description	Sample No.	Length	Analysis Au02	Fire Ag02
From To					
32.3 - 47.8	Mostly the grey F.W. Andesite. A very messed up unit with manypale bleached sections, breccia appearance in places, white & sort of mauve cherty fragments in places, occasional sprinkle of pyrite. Possible fumerolic mud. NOTE: F.W. Andesite usually an agglomerate - this feature is obscured (if it exists) in this section)				
47.8 - 55.8	Pale buff green, unit quite siliceous, minor fine disseminated py & grey sulphide, sulphides also along hairline fractures. Occasional patch of FW And. Breccia look 47.8 to 48.2m This unit was probably a fumerolic mud				
	47.8 - 48.2	27026		0.006	0.10
	48.2 - 49.2	27027		0.005	0.14
	49.2 - 50.2	27028		0.006	0.09
	50.2 - 51.2	27029		0.005	0.11
	51.2 - 52.2	27030		0.003	0.06
	52.2 - 53.2	27031		0.005	0.08
	53.2 - 54.0	27032		0.005	0.09
	54.0 - 55.1	27033		0.003	0.11
	55.1 - 55.8	27034		0.003	0.10
55.8 - 57.6	F.W. Andesite - grey bleached look with white F-spar				
57.6 - 64.9	Similar to section 47.8 to 55.8 and should be sampled if any significant values in prior sections. Hematite stain is common, occasional short FW And. section (20cm). Siliceous patches				
64.9 - 75.3	FW Andesite-grey, bleached look, white F spar resembling phenocrysts. Hematite coloration quite pervasive. Agglomeritic appearance hinted at but not distinct.				

Scale

Column Width
& Date

Drill Hole Record



Property	District	Hole No.	TR 83-4
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Measurement From To	Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
	Faint fabric running through core at 40°.										3
	Grey uniform massive section without hematite 71.7 to 72.9										
	Dark carbonaceous appearing bands (≈5cm) at base with core \angle of 65° to 80°.										
75.3 - 87.3	Pale greenish-buff unit-darker in basal 1m, fragmental but not tectonic. Some apparent rip up clasts. Besides fragmental appearance it is rather well laminated with core angles from 20 to 60°.										
	Unit is quite siliceous. There is also a blue clay filling small fractures and openings.										
	No sulfides. Lower contact with black carbonaceous material has rip up appearance core $\angle = 80^\circ$										
	NOTE: has the appearance of a inter tidal to super tidal carbonate depositional environment										
	Suspect fumarolic environment										
87.3 - 88.4	Black carbonaceous breccia particularly top half. Two 3cm size vugs with quartz crystals in lower half (ie rock shattered and open space left.) Unit is not terribly siliceous (not a chert)										
88.4 - 92.3	Somewhat similar to section 75.3 to 87.3. Grey Mud 83.2 - 83.4 very abrupt lower contact but contact not really seen, minor grinding of core.										
92.3 -111.2	Andesite, very dark green, epidote in fractures, patches & bands. Massive appearance. Occasional fragments noted. Some hematite stain.										
END											

Scale

Cross Plot
& Data

Drill Hole Record



Property	TOPLEY-RICHFIELD	District	Omineca	Hole No.	TR 83-5				
Commenced	October 24, 1983	Location	4+50N, 0+25W	Tests at	125.3 = 52°	Hor. Comp.			
Completed	October 25, 1983	Core Size	NQ	Corr. Dip	45°	Vert. Comp.			
Co-ordinates		True Brg.	F	Logged by	WEW				
Objective	Core stored at property.		% Recov.		Date	Oct. 26, 1983			

Meterage From To	Description	Sample No.	Length Meters	Analysis		Fire Agos	Claim CDF 4	T Brg. E	Collar Dip -45°	Elev.	Length 125.3 m	Hole No. TR 83-5	Sheet 1
				Auo2	Agos								
0 - 36.6	CASING: Driller reports bedrock starts at 12 m but too poor to core.												
36.6 - 53.0	Dark green, coarse, andesitic tuff with chloritic clay matrix. TYPICAL H.W. Andesite.												
53.0 - 55.0	Green, medium-grained andesitic tuff.												
55.0 - 84.1	As between 36.6 to 53.0. Quite muddy 59.7 to 60.3 m. Sections with the competent patches containing coarse fragments or crystal clumps as though it was once a vesicular rock with vesicles filled with olivine and/or augite.												
84.1 - 85.3	Quartz vein - white quartz mineralized with pyrite, sphalerite and minor galena. Estimate 10% sulphides (2% Zn). Core short 0.3 m.	27035	1.2	0.005	1.76								
85.3 - 92.8	Similar to 36.6 to 53.0 - dark green coarse andesitic tuff with chloritic clay matrix. Brown section 86.6 to 86.9 except for colour is H.W. Andesite. Similar to green andesitic tuff.												
92.8 - 96.9	Dark green massive andesite with epidote alteration mixed with a lapilli tuff. The former is similar to the FW And. the latter is similar to HW And. Contact is abrupt at 60° to core is a slick planar surface hematite smear. Possibly the epidote And. is a large clast of FW in the HW.												
96.9 - 102.7	Similar to 36.6 to 53.0, etc. Competent rock from 100.6 to base.												
102.7 - 103.2	Quartz vein with sulfides (10%) - sphalerite and pyrite. Also an inclusion of host rock.	27036	0.5	0.005	1.68								
103.2 - 104.3	H.W. unit similar to 96.9 - 102.7 with basal 25 cm pale green and sort of a conglomerate with quartz pebbles and a schistic matrix (possibly due to loading). Contact in 70° to 90° to core angle.												
104.3 - 104.5	Black carbonaceous material intermixed with pale green andesitic material resembles a possible short lived marine depositional period. Probable HW/FW contact. Core angle 70° to 90°.												
104.5 - 113.1	Reasonable competent rock with minor chlorite mud, also apparently rounded clast containing augite replicas. In the above ways this unit is similar to the HW And.-however it is paler, somewhat												

Area
Colour Plot
& Dip

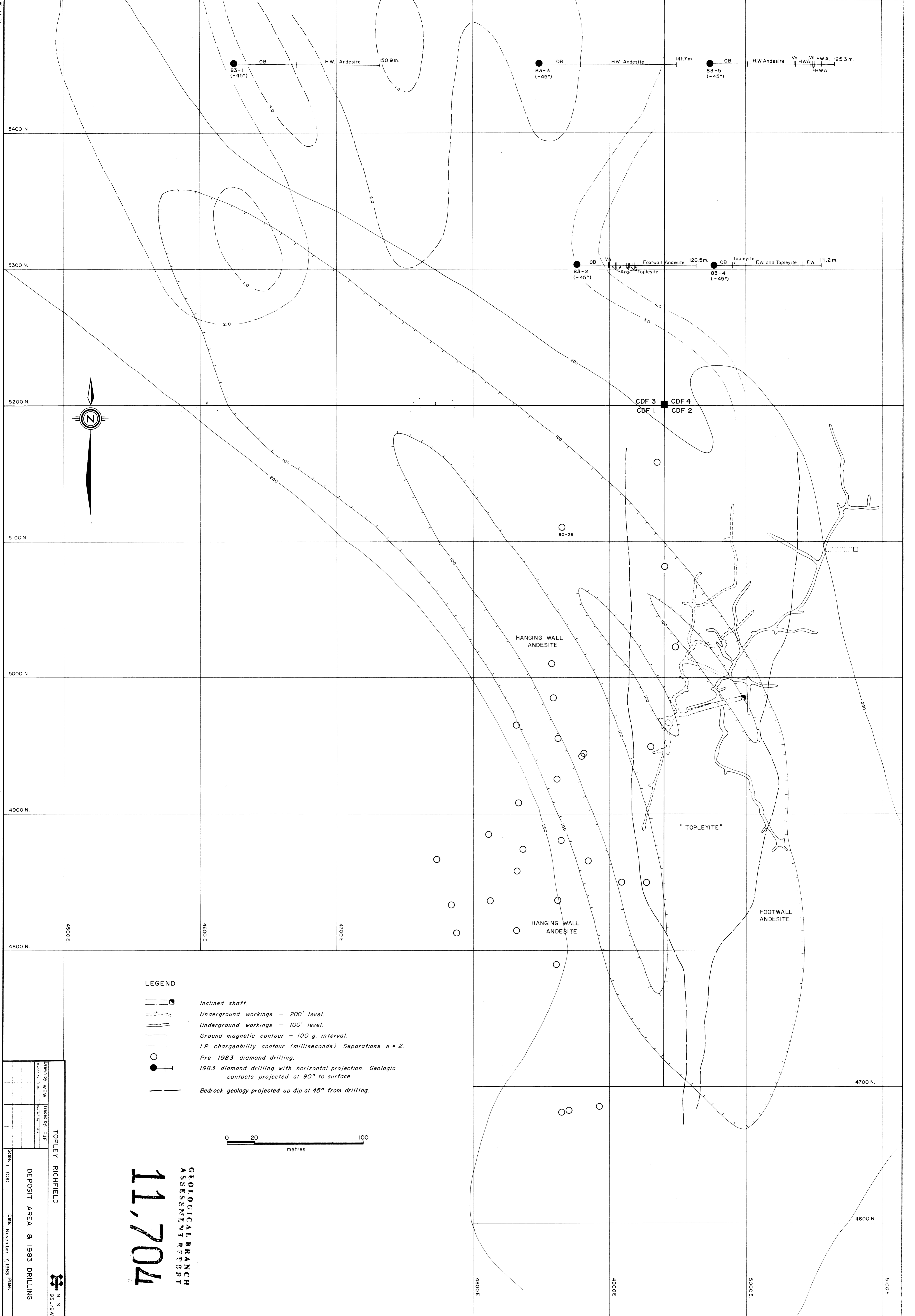
Drill Hole Record



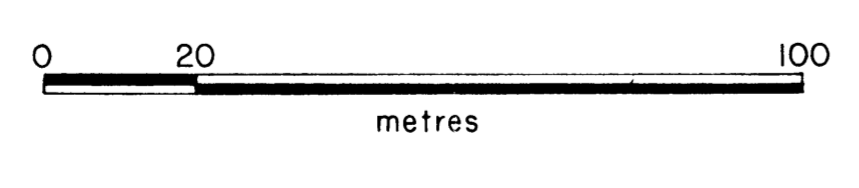
Property	District	Hole No.	TR B3-5
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Verf. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim				
T Brg.				
Collar Dip				
Elev.				
Length				
Hole No.				Sheet 2

Metage From	To	Description	Sample No.	Length	Analysis
		bleached with frequent quartz filled fractures. This plus competency placed it as <i>FW</i> rock.			
113.1	-125.3	Dark green epidote - altered, F.W. Andesite some hematite sand along fracture. Core shatters or blocks with drilling.			
END					
		Below 121.9 is still massive but with faint ghostly white phenocrysts or f. spars showing.			



- LEGEND**
- Inclined shaft.
 - Underground workings - 200' level.
 - Underground workings - 100' level.
 - Ground magnetic contour - 100 g interval.
 - IP chargeability contour (milliseconds). Separations n = 2.
 - Pre 1983 diamond drilling.
 - 1983 diamond drilling with horizontal projection. Geologic contacts projected at 90° to surface.
 - Bedrock geology projected up dip at 45° from drilling.



11,704

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

TOPLEY RICHFIELD	
Drawn by: WEW	Traced by: FJF
Checked by: [blank]	Checked by: [blank]
Scale: 1:1000	Date: November 17, 1983
DEPOSIT AREA & 1983 DRILLING	
N.T.S. 931/9W	