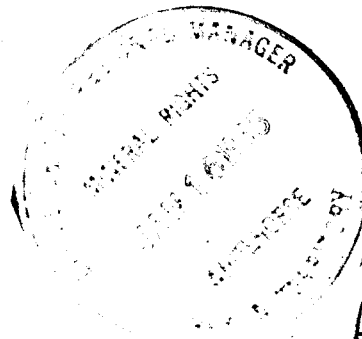


COMINCO LTD.

EXPLORATION
NTS 105 H/12

WESTERN DISTRICT



ASSESSMENT REPORT

DIAMOND DRILLING

FIN PROPERTY

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

LATITUDE: 61°40'N; LONGITUDE: 129°50'W

WORK PERIOD: JUNE 26 - AUGUST 16, 1984

091595

DECEMBER 1984

R.J. SHARP

TABLE OF CONTENTS

	<u>Page</u>
I. SUMMARY	1
II. INTRODUCTION	1
A. Location	1
B. History	1
C. Ownership	1
III. EXPLORATION	2
IV. DIAMOND DRILLING	2

* * *

APPENDIX A - Statement of Expenditures

APPENDIX B - Affidavit

APPENDIX C - Statement of Qualifications

APPENDIX D - 1984 Drill Logs

EXPLORATION
NTS: 105 H/12

COMINCO LTD.

WESTERN DISTRICT
14 December 1984

ASSESSMENT REPORT

DIAMOND DRILLING

FIN PROPERTY

WATSON LAKE MINING DISTRICT, Y.T.

I. SUMMARY

Cominco Ltd.'s Fin property is located within the Watson Lake Mining District of the Yukon Territory, approximately 180 km northwest of Watson Lake, Yukon Territory. This property consists of 469 claims staked between 1978 and 1980. The property is underlain by Devonian-Mississippian clastic rocks that form a part of the Selwyn Basin.

This report covers the 1984 work period June 26 to August 16. During this period 1655.58 m of diamond drilling was done. Results of this field program are contained within this report.

II. INTRODUCTION

A. Location

The Fin property lies 180 km northwest of Watson Lake, Yukon Territory (Figure 1). The claim group is situated in the Watson Lake Mining Division. Access to the claims is provided by helicopter based in either Watson Lake or Ross River.

Latitude: 61°40'N
Longitude: 129°50'W
NTS: 105 H/12

B. History

The Fin claims were staked between 1978 and 1980 to cover pyrite-sphalerite lenses in mudstone. Since 1978, numerous programs have been carried out on the claims and included geology, soil and rock geochemistry, geophysics, diamond drilling and trenching.

C. Ownership

The FIN property consists of 469 claims, owned 100% by Cominco Ltd. (Plate 1).

<u>CLAIMS</u>	<u>DATE RECORDED</u>	<u>DUE DATE</u>
FIN 1-56	September 1, 1978	December 1, 1987
FIN 57-268	September 14, 1979	December 1, 1986
FIN 269 to 282 (Grant Nos. YA 45955 to YA 45968)	September 14, 1979	December 1, 1986
FIN 269 to 282 (Grant Nos. YA 55961 to YA 55974)	August 11, 1980	November 11, 1986
FIN 283-455	August 11, 1980	November 11, 1986

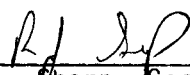
III. EXPLORATION

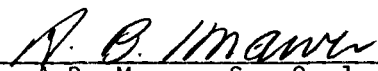
The 1984 exploration program consisted of diamond drilling. This program was carried out between June 26 and August 16, 1984.

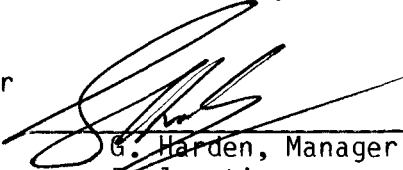
IV. DIAMOND DRILLING

In total, 1655.58 m of NQ diamond drilling was done in 7 holes (Plate 2) by S.W. Coates Enterprises Ltd., 2560 "A" Simpson Road, Richmond, B.C. The purpose of the drill program was to test the southerly extension of favourable stratigraphy hosting sphalerite-galena-pyrite lenses encountered in the 1980 drilling. Rock types cored include mudstone, siltstone, chert pebble conglomerate, sandstone and gritstone. Minor layers of pyrite-sphalerite rock, to 70 cm thick, were intersected in 4 drill holes. The rock assemblage is part of the Selwyn basin and is believed to be Devonian-Mississippian.

For core details and analyses see the attached drill logs. For location of the core see Plate 2.

Reported by: 
R.J. Sharp, Geologist

Endorsed by: 
A.B. Mawer, Sr. Geologist

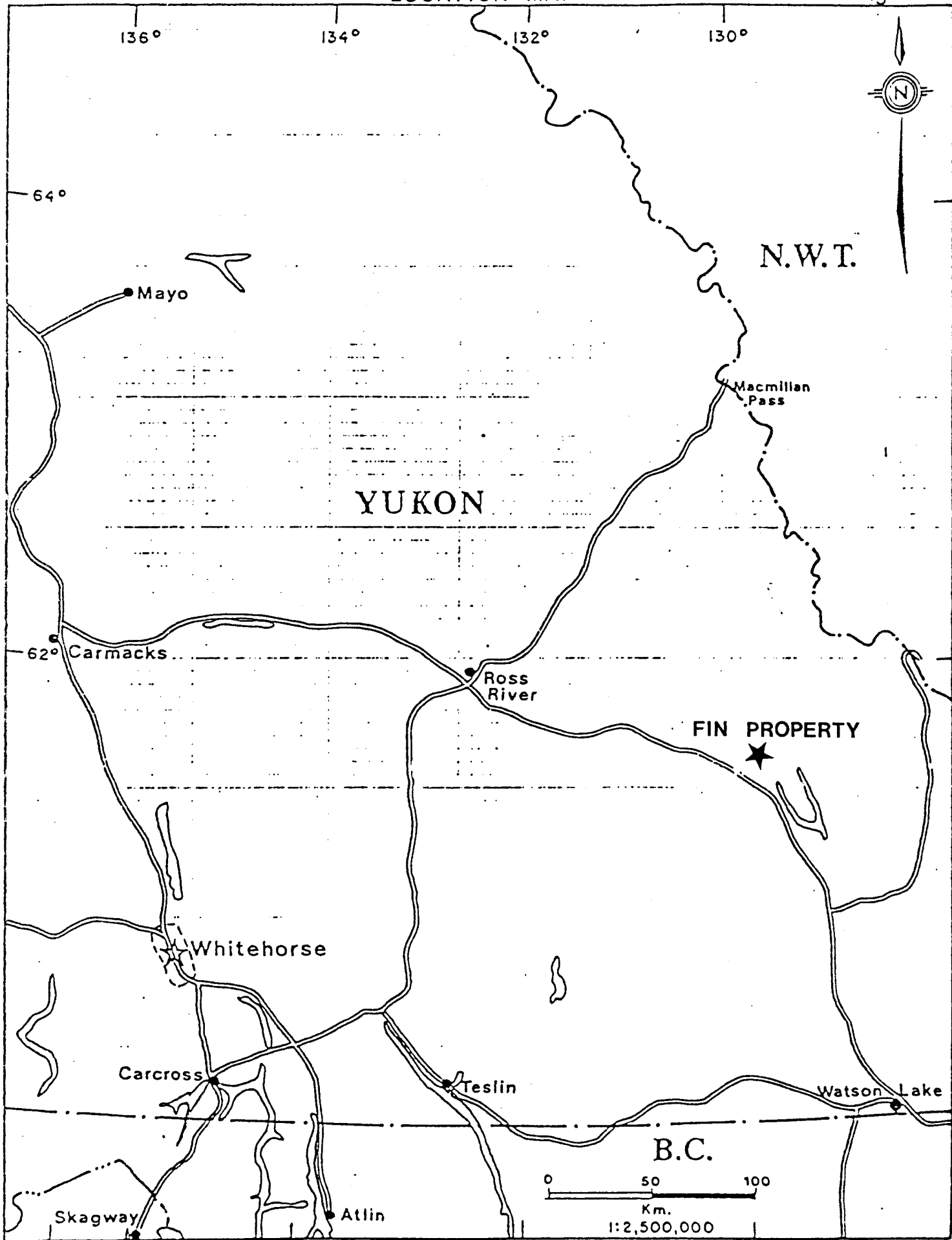
Approved for
Release by: 
G. Harden, Manager
Exploration
Western District

RJS/cgs

Distribution
Mining Recorder (2)
Western District
RJS

LOCATION MAP

Fig. 1



APPENDIX A

STATEMENT OF EXPENDITURES

FIN PROPERTY

JUNE 26 TO AUGUST 16

Diamond Drilling Direct (Contract and Supplies)	\$178,053.09
Helicopter (Mob, De-mob, Supply) and Fuel	<u>51,541.85</u>
TOTAL EXPENDITURES	\$229,594.94

Signed: R.J. Sharp
R.J. Sharp
Geologist

December 1984

091595

Fin Property



Diamond Drilling - NQ Core
June 26 - August 16, 1984

* Direct drilling + helicopter charges used only

Hole No.	Claim	Depth (metres)	% Total	Credits
84-7	Fin 37	222.8	13 %	29,847.34
84-8	" 28	319.1	19	43,623.04
84-9	" 25	163.68	10	22,959.49
84-10	" 6	206.35	13	29,847.34
84-11	" 28	191.1	12	27,551.40
84-12	" 29	288.65	17	39,031.14
84-13	" 32	263.9	16	36,735.19
		<u>1655.58</u>	<u>100</u>	<u>229,594.94</u>

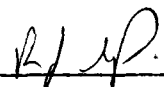
APPENDIX B

A F F I D A V I T

I, Robert Sharp, of the City of Vancouver, in the Province of British Columbia, make oath and say:

1. THAT I am employed as a geologist by Cominco Ltd., and as such have a personal knowledge of the facts to which I hereinafter depose;
2. THAT annexed hereto and marked Appendix A to this my affidavit is a true copy of expenditures incurred in connection with a geological program carried out on the Fin mineral claims;
3. THAT said expenditures were incurred between the twenty-sixth day of June and the sixteenth day of August for the purpose of mineral exploration on the above noted claims.

Signed: _____


R.O. Sharp

Geologist

December 1984

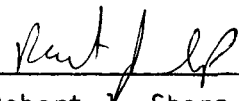
APPENDIX C

STATEMENT OF QUALIFICATIONS

I, ROBERT J. SHARP, of the City of Vancouver, in the Province of British Columbia, hereby certify:

1. THAT I am a geologist residing at 2891 West 14th Avenue, Vancouver, British Columbia, with a business address at 700-409 Granville Street, Vancouver, British Columbia.
2. THAT I graduated with a B.Sc. in Mineral Engineering from the University of Alberta in 1975 and in 1980 I graduated with an M.Sc in Geology from the University of Alberta.
3. THAT I have practiced geology with the Union Oil Co. of Canada Limited from 1978 until 1980 and that I have practiced geology with Cominco Ltd. from March 1980 to the present.

Signed: _____


Robert J. Sharp
Geologist

December 1984

APPENDIX D

1984 DRILL LOGS

Drill Hole Record



Property FIN District WATSON LAKE M.D. Hole No. F84-7
 Commenced June 27, 1984 Location YUSEZU RIVER, YUKON Tests at 219.8 m Hor. Comp. 13.5 m
 Completed July 1, 1982 Core Size NQ Corr. Dip -86.5° Vert. Comp. 220.6 m
 Co-ordinates 47+91 N 58+03 E True Brg. 268° Logged by RJS + TWH
 Objective To test downdip extension of mineralized outcrop in Fin Ck. % Recov. 84.4% Date July 9, 1984

Claim FIN 37
 T Brg. 268°
 Collar Dip 90°
 Elev. 890 m
 Length 222.8 m
 Hole No. F84-7 Sheet 1

Metres from To	Description	Interval	Recovery	Zn ppm	Pb ppm
0 - 3.7	Overburden - none recovered				
3.7 - 11.5	POLYMIC TIC PEBBLE CONGLOMERATE with minor SANDSTONE beds. Grey pebble conglomerate with lesser interbedded grey sandstone to grit. Conglomerate forms 60-65 volume % and sandstone to grit forms 35-40 volume % of core. Contacts are gradation. Both reverse and normal graded bedding is present. Beds range from 1 -4 cm thick. Bottom 0.5 m of this unit is a coarse pebble conglomerate (clasts up to 4 cm) and downhole contact is sharp. Conglomerate - grey, contain 80 volume % white to grey chert clasts and dark grey to black mudstone clasts with 20 volume % sandstone matrix. Closed framework (framework supported). Chert clast rounded to sub-rounded, 60-70 volume % of clasts; size ranges to 2.0 cm, average 0.5 cm along longest axis. Clasts aligned mainly parallel to bedding. Sandstone - grey to dark grey chert and mudstone grains, locally are white, coarse-grained and very siliceous. Grains average 0.25 mm.				
	4.4 - B/CA = 74°				
	6.54 quartz vein 1.5 cm thick cuts core at 45°				
	7.3 - B/CA = 71°				
	8.23 - 11.2 core broken and locally ground				
11.5 - 19.3	FOSSILIFEROUS MUDSTONE AND SILTSTONE Mudstone - fossiliferous, black, calcareous, faintly laminated, forms 75 volume % of core. Fossils about 1 volume %, up to 5 mm in size, elongate to round, some are spiral				

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Metres	Description	Interval	Recovery	Zn ppm	Pb ppm
From To					
11.5 - 19.3	shaped (gastra pods?).				
(cont'd.)	Mudstone - 5 volume % calcite on average, range 2-20%.				
	Siltstone - 20 volume % of core, grey, beds indistinct, siltstone has high mudstone content and forms wispy discontinuous laminae.				
	The downhole contact is placed where fossils stop. Fracturing in overall section is weak to moderate.				
	13.2 - 13.25 gouge				
	13.4 - 13.5 gouge				
	13.5 - 13.8 fossils abundant				
	14.5 - 14.65 coarse siltstone with 15 volume % mudstone, weakly calcareous, wispy laminae.				
	14.6 - B/CA = 70°				
	15.1 - B/CA = 69°				
	15.85 - 16.5 core very broken				
	16.2 - 16.5 fossil zone				
	17.6 - 18.4 fossils abundant				
19.3 - 20.3	MUDSTONE - black, massive, soft (easily scratched by knife), weakly fractured. Downhole contact is sharp. Contains 1/2 volume % microcrystalline pyrite.				
20.3 - 27.4	SILTSTONE interbedded with lesser MUDSTONE and minor SANDSTONE				
	Siltstone - 55 volume % grey laminated to bedded, laminations and beds, less than 1 mm to 20 cm				

Scale

Colour Plot
& Data

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Metres From To	Description	Interval	Claim	Recovery	T Brg.	Collar Dip	Elev.	Length	Pb ppm	Zn ppm	Hole No. F84-7 Sheet 3
20.3 - 27.4	thick, are rarely calcareous, 2-5 volume % pyrite-average 3%.										
(cont'd)	Mudstone - 30 volume % black laminated to thin bedded, 1% disseminated pyrite, beds 1 mm - 2 cm thick. Three elliptical mudstone clasts 2 cm thick seen near uphole contact.										
	Sandstone - 15 volume %, fine grained grey to black, with 30-50 volume % black mudstone matrix, 3 volume % pyrite.										
	Locally the siltstone-sandstone layers are disrupted and streaked into elliptical wisps 2 x 5 mm.										
	The upper part of the section is weakly calcareous.										
20.4 - 20.6	sandstone - grey, fine-grained, 5 volume % calcite										
21.3 - 21.7	sandstone - grey, fine-grained, with 20 volume % siltstone and mudstone										
22.45 - 24.1	fine-grained grey-black sandstone to coarse siltstone										
	23.6 - B/CA = 60°										
24.6 - 24.85	fine pebble conglomerate and gritstone grading to coarse sandstone with 10 volume % orange weathering carbonate.										
	24.85 - B/CA = 60°										
26.65 - 26.8	carbonaceous gritstone with 2-4 mm clasts, interbedded with 35 volume % silty carbonaceous mudstone										
26.8 - 27.4	badly broken, abundant fault gouge.										
27.4 - 35.3	SANDY CARBONACEOUS SILICEOUS SILTSTONE										
	Dark grey to black siltstone with 40 volume % white quartz grains (.1 - 2 mm average .5 mm) that are subangular to subrounded and are suspended in a black siltstone matrix. They are evenly disseminated with no layering. Rare black mudstone clasts up to 7 cm are seen.										

Scale

C. 1000 Feet
1:1000

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7						
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Vert. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
Metres From To	Description	Interval	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	F84-7	Sheet 4	
	27.4 - 28.7 greenish-grey siltstone										
	27.4 - 27.8 core in small chips - fault?										
	28.45 - 29.55 core ground and in chips, bottom 10 cm is gouge										
	29.87 - 31.2 core fractured and broken										
	32.50 - 32.40 core very broken with gouge										
	32.75 - 35.30 core very broken and crushed.										
	34.14 - 35.30 Gouge with Quartz veins.										
35.3 - 50.7	CARBONACEOUS SANDSTONE INTERBEDDED WITH MUDSTONE										
	Carbonaceous sandstone - 50-60 volume % of core, dark grey, composed of 40-60 volume % quartz grains up to 1.5 mm in size, average .25 mm. Beds average 6 cm thick, range 7 mm to 40 cm. Minor calcite content, 1 volume %. Grading in beds, fining upwards, is common.										
	Mudstone - 40-50 volume % of core, interbedded with sandstone, beds 1-20 cm thick, average 7 cm. Black laminations appear toward downhole contact.										
	35.3 - 36.3 core broken with gouge - this is a continuation from fault zone at uphole contact.										
	36.4 - 36.58 sandy mudstone - 40 volume % quartzose sand grains, 30 volume % silt, 30 volume % mudstone										
	37.0 - 37.05 coarse grained dark grey sandstone.										
	37.35 - 37.4 sandstone - grey; 10 volume % pyrite crystals										
	37.4 - B/CA = 85°										
	40.1 - 40.6 sandstone - 30-45% black mudstone siltstone matrix. 2-4 cm black mudstone beds inbetween 3-4 cm sandstone beds.										

Scale

Contour Plot
A Dip

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-7 Sheet 5
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Vert. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm						
35.3 - 50.7	40.8 - 44.85 this section contains 65 volume % fine-grained black sandy siltstone in beds 3-10 cm,										
(cont'd.)	average 5 cm interbedded with 45 volume % mudstone in 2-3 cm beds.										
	40.8 - B/CA = 80°										
	43.4 - 43.5 Quartz-calcite vein, 10 cm thick, cuts core at 70° to axis										
	44.7 - B/CA = 85°										
	44.85 - 50.7 muddy siltstone, grey-black										
	49.8 - B/CA = 62°										
	50.3 - B/CA = 73°										
50.7 - 62.4	MUDSTONE with SILTSTONE LAMINATIONS	56.5 - 58.0		117	38						
	Mudstone - grey-black, soft, beds .5 mm - 1 cm, 70 volume % of core, pyrite content averages 1/2 %.	58.0 - 59.5		5,120	741						
		59.5 - 61.0		438	55						
	Siltstone - grey bands and laminations .5 mm to 7.5 mm, 30 volume % of core, pyrite content averages 1/2 %.	61.0 - 62.5		313	109						
	50.7 - 51.2 core ground to chips less than 1 cm diameter.										
	51.25 - 51.35 crackle breccia quartz-vein 1 cm wide x 10 cm long parallel.										
	51.6 - B/CA = 81°										
	51.61 - pyrobitumen over 1 cm										
	54.3 - pyrobitumen - 2 cm										
	54.7 - 54.8 fault gouge										
	58.0 - 58.2 SULFIDE BANDS: 2 bands, uphole band 9 mm thick, downhole band 4mm thick. The two										

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
Commenced		Location		Tests at		Recovery					F84-7	6
Completed		Core Size		Corr. Dip		Zn ppm						
Co-ordinates				True Brg.		Pb ppm						
Objective				% Recov.								
Metres	Description	Interval										
From To												
50.7 - 62.4	bands are seperated by 7 mm of mudstone carrying distorted blebs and laminations											
(cont'd)	1 mm thick of sulfide. Estimate 15 volume % pyrite, 10 volume % sphalerite, 5											
	volume % galena, 25 volume % quartz, +5 volume % grey mudstone (possibly galena?)											
	58.0 - B/CA = 52°											
58.45 - 58.5	pyrobitumen - grains 1-4 mm, average 2 mm, angular black grains, soft but brittle,											
	70 volume % of core with interstitial quartz (+5 - 10% calcite) forming 30 volume %.											
59.45 - 60.05	core broken with gouge											
60.05 - 60.2	coarse siltstone with 35 volume % quartz clasts (less than .1 mm) in a grey-black											
	mudstone matrix											
62.0 - 62.4	core broken to small chips											
	62.2 - 62.4 healed by quartz											
62.4 - 82.0	BLACK CARBONACEOUS SILICEOUS MUDSTONE	62.5 - 64.0				959		32				
	Black, moderately to very siliceous, carbonaceous, 1/2 - 30 volume % pyrite, average 2 volume %.	64.0 - 65.5				42		62				
	Matrix of mudstone submicroscopic but carries 5 volume % small rounded quartz grains, .1 mm in	65.5 - 67.0				23		56				
	irregular patches.	67.0 - 68.5				1,090		32				
	Pyrite patches .5 x 1 cm carry 30% pyrite are common throughout section. Black-grey siltstone	68.5 - 70.0				2,110		261				
	occurs in 4 mm - 1 cm bands forming 5 volume % of section.	70.0 - 71.5				337		41				
	64.6 - B/CA = 52°	71.5 - 73.0				2,030		19				
65.15 - 65.70	pyrobitumen - 80 volume % pyrobitumen with 15 volume % quartz and 5 volume % calcite	73.0 - 74.5				971		26				
	65.55 - 65.7 core highly fractured and broken	74.5 - 76.0				23		41				
		76.0 - 77.5				260		37				

Scale

C. 1000' Plot
A. 100'

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7.						
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Vert. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-7 Sheet 7
62.4 - 82.0	66.20 - 68.30 very broken, possible fault	77.5 - 78.5		593	283						
(cont'd.)	69.90 - 72.50 very broken, possible fault	78.5 - 80.0		824	224						
	72.50 - 73.00 very siliceous, highly carbonaceous, fine-grained, slightly calcareous, weakly mineralized with very fine-grained sphalerite.	80.0 - 81.1		739	311						
	72.60 - sphalerite (.04 mm) scattered in a 1 cm band.	81.1 - 82.0		231	34						
	73.5 - 73.85 gouge - fault										
	75.3 - B/CA = 66°										
	76.2 - 76.3 gouge - fault										
	76.4 - 76.5 " "										
	76.7 - 76.9 pyrobitumen as at 65.15 - 65.7										
	77.85 - 77.95 pyrobitumen as at 65.15 - 65.7										
	78.3 laminated pyrite bank, 6 cm thick, 80 volume % pyrite, very fine grained										
	78.7 - 79.3 pyrobitumen as at 65.15 - 65.7										
	79.7 - 79.9 pyrobitumen as at 65.15 - 65.7										
82.0 - 86.7	GRITSTONE with interbedded MUDSTONE										
	Gritstone - 30 - 40 volume % grit particles, .5 mm to 1.5 cm, average 1 mm with a sandstone matrix. Clasts composed 45 volume % chert, 40 volume % siltstone, 15 volume % black mudstone. Clasts are roughly aligned with bedding. Minor pyrite replacement of some clasts. Uphole section is weakly calcareous. Color is dark grey to black.										
	Mudstone - black, soft, no distinct bedding, 20 - 60 cm thick.										
	82.0 - 82.4 black mudstone with 30 volume % gritstone beds 1-5 cm thick										

Scale
Colour Plot
A Dip

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.,	Hole No.	F84-7						
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Vert. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
Metres		Description		Interval		Recovery		Zn ppm		Pb ppm	
From To											
82.0 - 86.7		82.4 - 83.2 dark grey gritstone									
(cont'd.)		82.5 - B/CA = 63°									
		83.2 - 83.4 black mudstone									
		83.4 - 84.8 coarse sandstone to gritstone interbedded with 30% black mudstone									
		83.6 - 84.0 core broken and foliated, veined by quartz and 10% calcite at 83.7.									
		Veins are parallel to foliation, quartz vein 2-4 mm in small crackle zones and forms 10 volume % of core over this section.									
		84.8 - 85.35 black mudstone									
		85.35 - 86.7 gritstone with minor pebbles of chert and mudstone plus 5 volume % black mudstone									
		85.6 - 85.75 black mudstone layer									
		85.65 - 85.93 core ground and has gouge - fault									
86.7 - 93.3		BLACK CARBONACEOUS SILICEOUS MUDSTONE and interbedded SILTSTONE		86.7 - 88.0				353		21	
		Mudstone - black, carbonaceous, bedding indistinct, forms 65 volume % of core. Contains grey silty mudstone layers .5 - 1 cm thick, commonly disrupted and distorted.		88.0 - 89.5				1,140		20	
				89.5 - 91.0				260		41	
		Siltstone - grey-black, beds 1 cm plus disrupted and contorted beds 1-3 cm thick. The distorted beds and layers are tectonic and not soft sediment deformations. siltstone forms 35 volume % of core.		91.0 - 92.5				967		28	
				92.5 - 94.0				764		20	
		86.8 - 87.2 fault zone healed by quartz (+ calcite vein 2 cm thick, distorted and broken									
		89.1 - 89.5 core broken with gouge - fault									
		90.1 - 90.5 core broken with gouge - fault									
		90.4 pyrite band 2 cm thick, cut by dolomite veins - concretion?									

Scale

Contour Plot
A Dip

Drill Hole Record

Property FIN District WATSON LAKE M.D. Hole No. F84-7

Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
86.7 - 93.3	90.9 pyrite band, .5 cm thick, with microfolds.				
(cont'd.)	91.6 - B/CA = 65°				
	91.8 - pyrite band 1 cm thick, massive, deformed.				
93.3 - 101.0	BLACK CARBONACEOUS SILICEOUS MUDSTONE with SILTSTONE beds				
	This unit is very similar to 86.7 - 93.3 but beds are more distinct here.	94.0 - 95.5		1,820	12
	Mudstone - black, very carbonaceous, beds 2mm - 1 cm average 75 mm. Contains 2 volume % white rounded quartz grains (.1 mm diameter) disseminated in mudstone matrix. Mudstone composes 60 volume % of core. Pyrite content ranges 1 - 30 volume %, average 2%.	95.5 - 97.0		725	14
	Siltstone - grey, disraptured (tectonically?) beds, overall composes 40 volume % of section. Pyrite content 1/2 - 2% average 1/2 volume %.	97.0 - 98.5		2,480	14
	93.4 - B/CA = 85°	98.5 - 100.0		32	18
	94.6 - 94.7 core is crumbly - granular				
	95.1 - 95.25 pyrite band of 90 volume % fine-grained pyrite with 10 volume % calcite and quartz. Cuts core at 28° to axis. Not a bed, probably diagenetic - has framboidal texture on margins.				
	96.7 pyrite concretion - lens 2 cm x 5 cm, pyrite replacement of a concretion. Cut by 1-2 mm calcite veins.				
	97.3 - 97.4 limy band - grey, impure siliceous limestone, cut by 2 mm calcite stringers enclosed in a non-calcareous mudstone. Estimate 60-70 volume % silica in band.				
	97.8 - 98.05 fault healed by quartz and calcite (80 and 20 volume %) as veinlets.				
	98.5 - 98.55 highly shattered				

Claim
T Brg.
Collar Dip
Elev.
Length
Hole No. F84-7 Sheet 9

Scale

Contour Plot
& Dips

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7						
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Vert. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
Metres		Description				Interval	Recovery	Zn ppm	Pb ppm	Claim	T Brg.
From To											
93.3 - 101.0		98.8 - B/CA = 82°									
(cont'd.)		99.06 - 99.67 rock chips only - fault - 60 cm run but only 15 cm recovered.									
101.0 - 134.7		MINERALIZED BLACK CARBONACEOUS SILICEOUS MUDSTONE				100.0 - 101.5		287	26		
		Mudstone - black, carbonaceous, siliceous, forms 90 volume % of core, has occasional siltstone				101.5 - 103.0		459	14		
		laminations and beds. The beds are disraptured and contorted, probably tectonically but				103.0 - 104.5		6,920	1,730		
		may be movement while beds were only weakly lithified.				104.5 - 105.8		11,360	3,350		
		The top several metres of this section are moderately to highly siliceous, the middle section is				105.8 - 107.3		11,530	3,250		
		moderately siliceous, and the lower section is moderately to weakly siliceous. Circular to				107.3 - 108.3		1,046	239		
		elongated grey siliceous blebs 1-2 mm in diameter and 1-5 cm long, parallel to bedding, are				108.3 - 109.3		581	282		
		visible in the core - they are possibly worm tubes. Overall the core is highly broken with many				109.3 - 111.0		5,950	2,290		
		.5 - 1 m sections of small platy carbonaceous rubble. Recovery was poor in many places, average				111.0 - 112.6		22,290	2,700		
		recovery for this section was 80.7%.				112.6 - 115.0		4,550	2,690		
		101.1 - 101.2 disseminated pyrite bands 5 - 7 mm thick composed of 30 vol. % pyrite, 70 vol. %				115.0 - 116.5		2,780	247		
		quartz				116.5 - 118.0		4,820	874		
		101.2 - B/CA = 77°				118.0 - 119.5		63,900	12,960		
		101.3 - 101.4 gouge - fault				119.5 - 121.0		29,300	4,120		
		101.5 - 101.6 " - "				121.0 - 124.0		6,770	1,600		
		103.2 - 104.9 core platy and broken with a 10-20 cm gouge section N.B. SULFIDE layer in this				124.0 - 125.5		5,640	969		
		zone.				125.5 - 127.0		1,770	597		
		104.5 pyrite, 3 cm of 90 vol. % pyrite with minor laminations				127.0 - 128.5		367	38		
		104.8 - 104.9 quartz vein				128.5 - 130.0		483	84		

Scale

Colour Plot
& Print

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7						
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Verl. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
							Claim	T Brg.	Collar Dip	Elev.	Length
											Hole No. F84-7
											Sheet 11
Metres	Description	Interval	Recovery	Zn ppm	Pb ppm						
From To											
101.0 - 134.7	105.5 - 105.6 core platey with gouge zone - fault	130.0 - 131.5		708	98						
	105.9 - 106.0 SULFIDE CLASTS - laminated pyrite and sphalerite in mudstone. 5 volume % pyrite,	131.5 - 133.0		2,480	167						
	2 volume % sphalerite - very fine grained.	133.0 - 134.7		2,900	427						
	106.7 - 106.8 core very broken, gouge zone - fault			%	%						
	107.45 pyrite concretion, massive pyrite lens 1 x 2 cm cut by calcareous quartz veinlets at right	104.5 - 105.8		1.07	0.33						
	angles to concretion. Concretion within a light grey silty mudstone band.	105.8 - 107.3		1.18	0.32						
	108.2 pyrobitumen - 2 cm.	109.3 - 111.0		0.64	0.24						
	108.3 - 109.3 core broken with gouge zone - fault	111.0 - 112.6		2.10	0.27						
	108.3 gritty pyritic mudstone pad, 4 cm thick with 15 vol. % pyrite, and 25	112.6 - 115.0		0.93	0.26						
	volume % siltstone (clasts .05 - .1 mm), may be part of a concretion.	118.0 - 119.5		6.70	1.23						
	108.6 pyrobitumen over 3 cm	119.5 - 121.0		2.90	0.41						
	109.3 - 109.35 laminated pyrite and chert, downhole 2 cm are disrupted and lensy.										
	109.5 - 112.0 core broken with gouge sections - fault zone										
	112.3 laminated pyrite bank, 1 cm thick										
	112.35 - B/CA = 74°										
	112.45 - 112.5 siliceous zone with 5 vol. % microcrystalline pyrite and weak disrupted laminations										
	112.6 - 121.0 core very badly broken to chips with abundant gouge - fault zone										
	118.1 - 118.2 SULFIDES: grey, fine grained, pyrite, sphalerite and galena										
	crystals (less than .1 mm). Small micro-veinlets (probably										
	recrystallized from the matrix) of pyrite and galena. Section about										
	10 cm long and contains estimated 75 volume % sulphides but too										
	fine grained for any Pb/Zn grade estimates.										

Scale

Contour Plot
& Data

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7						
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Vert. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
Metres		Description		Interval		Recovery		Zn	Pb		
From To								ppm	ppm		
101.0 - 134.7		119.0 - B/CA = 78°									
		119.5 - 119.6 medium grained quartzose sandstone bed. (suspected piece of cave material from uphole).									
		119.6 - 119.7 pyrite, 5 vol. % as disseminations in laminations									
		119.9 - 120.0 pyrite, 5 vol. % as laminations in mudstone, very fine grained, core heavy, probable higher sulfide content.									
		119.9 - B/CA = 65°									
		120. - 120.2 numerous pyrite laminations in mudstone, averages 10 volume % microcrystalline pyrite									
		120.4 laminated pyrite band 7.5 mm thick									
		121.2 - B/CA = 72°									
		122.5 - 124.1 core broken and poor recovery (20 cm recovered from 1.5 m run)									
		122.5 laminated pyrite zone, 1 cm wide, with microcrystalline galena veinlet									
		124.5 - B/CA = 83°									
		125.4 - 125.6 gouge- fault									
		126.0 - 127.0 broken core and fault gouge									
		127.6 - B/CA = 70°									
		128.1 - 128.3 gouge - fault									
		128.6 - 128.75 gritstone, polymitic clasts .5 - 4 mm along longest axis, grey coloured. Clasts composed of chert, siliceous siltstone, siliceous mudstone, some show pyrite replacement (about 5 volume %).									

Hole No. F84-7 Sheet 12

211-9437

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7
Commenced	Location		Tests at	Hor. Comp.	
Completed	Core Size		Corr. Dip	Vert. Comp.	
Co-ordinates			True Brg.	Logged by	
Objective			% Recov.	Date	

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
134.7 - 139.5	BLACK CARBONACEOUS SILICEOUS MUDSTONE with SILTSTONE CLASTS	134.7 - 136.0		15,700	3,620
	Mudstone - black, carbonaceous, highly siliceous, forms 80 vol. % of core. Also forms matrix to	136.0 - 137.5		5,240	2,900
	interbedded grey siltstone clasts. Contains 3 vol. % pyrite as disseminated grains and	137.5 - 139.0		3,400	424
	clusters 7.5 mm x 1.5 cm.			%	%
	Siltstone -grey, 20 vol. % of core, clasts subangular to subrounded, up to 1.5 cm in diameter.	134.7 - 136.0		1.47	0.36
	All the siltstone layers show disruption along entire section i.e. no beds are complete				
	across the core interval. Clasts are moderately siliceous.				
	135.1 - 135.5 crackle zone filled by calcareous quartz vein				
	136.4 - 136.7 crackle zone filled by calcareous quartz vein				
	137.5 - B/CA = 73°				
	138.9 - 139.5 gradational downhole contact, the siliceous mudstone with siltstone clasts grades				
	downhole into interbedded siltstone-mudstone (with only minor 1 cm thick siliceous				
	black mudstone beds) then into a dark grey siltstone with indistinct bedding.				
	139.0 calcareous quartz vein fills crackle zone, 2.5 cm thick, cuts core at 45°.				
139.5 - 150.7	SILTSTONE and MUDSTONE				
	Siltstone - grey, 60-70 volume % of section 1 mm - 5 cm average 2 cm, no pyrite	139.0 - 140.5		871	644
	Mudstone - grey to black, 40-30 volume % of section. Beds 2 mm - 1 cm average .5 cm, .25 vol. %				
	very finely disseminated. Bedding is indistinct along entire unit, generally massive				
	with a few laminations.				

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7							
Commenced		Location		Tests at		Hor. Comp.						
Completed		Core Size		Corr. Dip		Vert. Comp.						
Co-ordinates				True Brg.		Logged by						
Objective				% Recov.		Date						
Metres		Description		Interval		Recovery		Zn ppm		Pb ppm		
From To												
139.5 - 150.7		134.75 - B/CA = 49°										
(cont'd.)		139.6 - B/CA = 45°										
		144.3 - 150.7 core very broken										
		144.3 - 144.7 gouge - fault										
		143.8 - B/CA = 83°										
		145.1 - 147.5 gouge - fault										
		147.1 chert and pyrite, 5 cm band of disseminated crystals, 10-15 vol. %, .5 - 1 mm in diameter										
		149.05 - 149.1 chert band with 5 vol. % pyrite and possible barite crystals .1 - .3 mm in diameter, cuts core at 29° to axis.										
		149.1 - 150.5 gouge - fault										
		150.5 - B/CA = 56°										
150.7 - 188.8		SILTSTONE interbedded with lesser MUDSTONE, WELL BEDDED, minor GRITSTONE beds										
		Siltstone - grey, 65 vol. % of core, beds 1 mm - 10 cm, average 2 cm. Trace to .25% pyrite.										
		Shows some weak scour marks and distorted bands. Some pinstrip laminae in several sections.										
		Mudstone - black to dark grey, 30 vol. % of core, beds 1mm - 3 cm, average 2 cm. This is mainly a silty mudstone, good mudstone beds only 2-6 mm thick and form 10% of core volume.										
		Gritstone - grey, graded to siltstone, forms 2 volume % of core. Granules of white chert clasts 1-2 mm in diameter, angular. Tops point uphole. Beds average 5 cm thick.										
		Average 2% pyrite.										

Scale
 1:1000 Plot
 4 Dips

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7
Commenced	Location		Tests at	Hor. Comp.	
Completed	Core Size		Corr. Dip	Vert. Comp.	
Co-ordinates	True Brg.		Logged by		
Objective	% Recov.		Date		

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
150.7 - 188.8	150.8 - B/CA = 44°				
(cont'd.)	154.3 - 154.6 fault				
	156.1 - B/CA = 70°				
	157.5 - B/CA = 81°				
	159.8 - B/CA = 87°				
	160.0 - B/CA = 60°				
	160.1 - 160.4 fault				
	163.6 - 164.7 fault				
	165.5 - B/CA = 65°				
	166.6 - B/CA = 65°				
	166.7 - 167.1 fault				
	170.7 - 172.8 fault				
	171.5 - B/CA = 80°				
	179.6 - B/CA = 62°				
	187.0 - B/CA = 70°				
188.8 - 222.8	MUDSTONE with lesser SILTSTONE, strongly COLOR BANDED				
	Mudstone - dark grey to black, beds 4 mm - 10 cm, average 1 cm thick, forms 65 vol. % of core				
	much of this section is composed of soft silty mudstones. Trace pyrite.				
	Siltstone - grey, beds 1 mm - 1 cm, average 0.5 cm thick, forms 34.5 vol. % of core, soft,				
	contains trace amounts of orange weathering carbonate.				

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-7 Sheet 16
-------	--------	------------	-------	--------	-------------------------

211-9437

Scale

Geoplot
& Data

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7
Commenced	Location		Tests at		Hor. Comp.
Completed	Core Size		Corr. Dip		Vert. Comp.
Co-ordinates			True Brg.		Logged by
Objective			% Recov.		Date

Metres From To	Description		CORE RECOVERY				Interval	Recovery	Zn ppm	Pb ppm
			Length (m)	Recovery (m)	From	To	Length (m)	Recovery (m)		
0 - 3.7	Overburden - none recovered				36.6	37.5	0.9	0.8		
3.7 - 5.2	1.5	1.2			37.5	38.7	1.2	0.9		
5.2 - 8.2	3.0	2.8			38.7	39.3	0.6	0.3		
8.2 - 11.3	3.1	0.8			39.3	39.9	0.6	0.5		
11.3 - 14.0	2.7	1.4			39.9	41.8	1.9	1.7		
14.0 - 15.9	1.9	1.4			41.8	44.8	3.0	2.7		
15.9 - 17.7	1.8	1.1			44.8	47.0	1.1	1.0		
17.7 - 19.2	1.5	1.4			47.9	50.9	3.0	2.4		
19.2 - 22.6	3.4	3.1			50.9	53.9	3.0	2.5		
22.6 - 22.9	0.3	0.2			53.9	57.0	3.1	2.8		
22.9 - 23.5	0.6	0.3			57.0	60.0	3.0	2.4		
23.5 - 24.0	0.5	0.5			60.0	63.1	3.1	2.5		
24.0 - 26.8	2.8	2.4			63.1	66.1	3.0	2.7		
26.8 - 28.7	1.9	1.4			66.1	68.3	2.2	1.1		
28.7 - 29.9	1.2	0.8			68.3	69.2	.9	.9		
29.9 - 32.0	2.1	1.9			69.2	70.1	.9	.8		
32.0 - 32.31	0.3	0.3			70.1	71.6	1.5	1.3		
32.31 - 34.1	1.8	1.3			71.6	72.5	.9	.6		
34.1 - 35.3	1.2	0.9			72.5	73.5	1.0	.8		
35.3 - 36.0	0.7	0.6			73.5	74.4	.9	.6		
36.0 - 36.6	0.6	0.5			74.4	75.0	.6	.4		

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
					F84-7	18

Scale

Contour Plot
A Dips

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-7
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Metres		Description	CORE RECOVERY						Interval	Recovery	Zn ppm	Pb ppm
From	To											
		Length (m)	Recovery (m)	From	To	Length (m)	Recovery (m)					
75.0	- 76.2	1.2	1.0	108.8	- 111.9	3.1	2.3					
76.2	- 77.4	1.8	1.1	111.9	- 114.9	3.0	1.9					
77.4	- 78.3	.9	.8	114.9	- 118.0	3.1	2.3					
78.3	- 79.9	1.6	1.5	118.0	- 121.0	3.0	2.9					
79.9	- 80.8	.9	.8	121.0	- 124.1	3.1	1.4					
80.8	- 82.0	1.2	.8	124.1	- 127.1	3.0	2.7					
82.0	- 83.5	1.5	1.5	127.1	- 128.3	1.2	.7					
83.5	- 85.4	1.9	1.9	128.3	- 128.6	.3	.3					
85.4	- 85.9	.5	.5	128.6	- 130.2	1.6	1.2					
85.9	- 87.5	1.6	1.6	130.2	- 131.1	.9	.3					
87.5	- 88.7	1.2	1.0	131.1	- 132.3	1.2	.8					
88.7	- 90.5	1.8	1.5	132.2	- 133.2	.9	.3					
90.5	- 92.7	2.2	2.0	133.2	- 134.1	.9	.6					
92.7	- 94.8	2.1	2.1	134.1	- 135.0	.9	.7					
94.8	- 96.6	1.8	1.7	135.0	- 136.3	1.3	1.3					
96.6	- 99.1	2.5	2.0	136.3	- 137.5	1.2	1.2					
99.1	- 99.7	0.6	.2	137.5	- 139.3	1.8	1.8					
99.7	- 100.3	.7	.2	139.3	- 140.2	.9	.8					
100.3	- 102.7	2.4	2.3	140.2	- 140.5	.3	.1					
102.7	- 105.7	3.0	3.0	140.5	- 141.1	.6	.6					
105.7	- 108.8	3.1	3.0	141.1	- 142.3	1.2	1.2					

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.
					F84-7 Sheet 19

211-9437

Scale

Colour Plot
A Dip

Drill Hole Record

Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-8						
Commenced	July 1, 1984	Location	Yusezyu River Area	Tests at	316.1 m	Hor. Comp.	45.51 m				
Completed	July 7, 1984	Core Size	NQ	Corr. Dip	-81.8°	Vert. Comp.	315.84 m				
Co-ordinates	44+93N 57+89E			True Brg.	289°	Logged by	RJS				
Objective	Test UTEM conductor and downdip extent of F84-7 mineralized zone			% Recov.	88.4%	Date	July 20, 1984				
Metres	Description					Interval	Recovery	Zn ppm	Pb ppm		
From To											
0 - 13.8	OVERBURDEN - none recovered										
13.8 - 27.0	SILTSTONE INTERBEDDED WITH MUDSTONE										
	Siltstone - grey carbonaceous, 50-60 volume percent of core, grey colour due to abundant very					13.8 - 15.4		132	14		
	fine-grained white quartz grains .1-.25 mm in diameter, rounded with occasional py-					15.4 - 16.7		21	30		
	rite core (possible fossils such as radiolarians). Also contains ½ volume % of dis-					16.7 - 18.2		14	21		
	seminated calcite grains less than 0.5 mm in diameter. Very hard to scratch with					18.2 - 19.9		104	38		
	knife - siliceous. Pyrite content 2-3 volume %.					19.9 - 22.7		74	30		
	The siltstone is non-conductive.					22.7 - 27.0		70	62		
	Mudstone - very black, carbonaceous, 40-50 volume % of core, extremely conductive, very fine-										
	grained, very siliceous, 1-2 volume % disseminated pyrite, bed thickness 1mm - 2 cm,										
	averages 5 mm.										
	Distinctive features in this composite unit are: black and grey layers often with abundant										
	white spots, weakly limy grey bands, conductive black bands, high silica content - hard to scratch										
	with a knife. The white quartz grains (radiolarian tests?) are rounded, have no visible internal										
	structure, and 5 volume % of the grains have cores of euhedral pyrite. The grey "silty" bands										
	are deformed, possibly while still unconsolidated. Later microfaults cut all sections of core.										
	15.85 - pyrite nodule 1x3cm, 35 volume % pyrite, disseminated plus 2% calcite										
	17.3 - pyrite nodule 1x3cm, 25 volume % pyrite, dissiminated plus 5% calcite										
	17.4 - pyrite band, 5% disseminated										

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	Hole No.	F84-8	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-8	Sheet 2
Commenced		Location	Tests at	Hor. Comp.							
Completed		Core Size	Corr. Dip	Vert. Comp.							
Co-ordinates			True Brg.	Logged by							
Objective			% Recov.	Date							
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm						
	18.1 - 5% pyrite over 4 cm, small blebs of pyrite contain disseminated microcrystalline crystals. Also laminae .25 mm with disseminated pyrite in carbonaceous mudstone host - this section shows brecciated grey siltstone and black mudstone broken by microfaulting.										
	18.25 - pyrite nodule 1x3 cm, 60% fine-grained pyrite, 40% calcite along fractures and rim.										
	18.7 - 1 cm band of disseminated pyrite										
	19.8 - 19.9 quartz (plus 5% calcite) stockwork - contains mudstone fragments size range 2mm to 1x2 cm. White quartz (80%), calcite 5%, fragments 15%. Fault zone.										
	Core very broken and ground at 20.0, 22.0, 23.5-27.0										
27.0 - 28.05	BLACK SILICEOUS CARBONACEOUS MUDSTONE Very carbonaceous, highly conductive, highly siliceous (hard to scratch with knife). No siltstone layers except a 1 cm band at 27.75. 15-20 volume % layers containing 70 volume % white quartz and 25 volume % calcite; layers 1.5 mm thick, contorted and broken by microfaulting. The number and volume of quartz-calcite bands increases downsection. At 23.05 cm they are greater than the black mudstone content.	27.0 - 28.1		25	48						
28.05 - 28.55	MUDSTONE WITH CALCITE AND QUARTZ BANDS The calcite and quartz layers form 30 volume % of core and are composed of 60 volume percent calcite, 40 volume % quartz, 1-2 volume % pyrite, trace sphalerite. The mudstone is black, carbonaceous, very conductive and hosts irregular layers of quartz-calcite, 1 mm thick, and mottled white clots, up to 1 cm thick.	28.1 - 28.4		2,130	311						

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-8
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres From To	Description	Interval	Recovery	Zn ppm %	Pb ppm %
28.55 - 29.1	SULFIDE LAYER: LAMINATED PYRITE - SPHALERITE WITH CALCITE AND SILICA GANGUE				
	SPHALERITE - 10 volume % disseminated in laminations and bands .1 to 5 mm thick, colour is brown-grey.	28.9 - 29.6		8.9	0.63
	PYRITE - 5 volume % disseminated and 5 volume % microcrystalline, laminations .25 - .5 mm thick.				
	No galena is visible, rock is very siliceous, overall colour is white-grey in calcite-rich sections, and brown-grey in sphalerite rich sections. Calcite content drops from 60 volume % at 28.55 m to 5 volume % at 29.1 m. The calcite and sphalerite sections are poor electrical conductors.				
29.1 - 29.6	MUDSTONE				
	Grey-black 15% calcite and quartz bands, 1-2 cm thick. 5-10% disseminated pyrite. Sheared.				
	1-2% soft green mineral (sericite?) associated with quartz-calcite zones. Poorly conductive.				
	Soft, weakly siliceous.				
29.6 - 30.3	QUARTZ VEIN	29.6 - 30.3		541	185
	White bull quartz vein with 10 volume % crystalline calcite patches.				
30.3 - 30.5	MUDSTONE WITH QUARTZ - CALCITE BLEBS AND BANDS				
	Mudstone - black to grey, 60 volume %				
	Quartz and Calcite - 40 volume %, bands 3-4 cm thick. Contains soft green mineral (sericite?) along fractures, and 5% disseminated pyrite.				
	Very sheared, probably a fault zone.				

Hole No. F84-8 Sheet 3

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-8	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-8	Sheet 4
Commenced		Location	Tests at	Hor. Comp.							
Completed		Core Size	Corr. Dip	Vert. Comp.							
Co-ordinates			True Brg.	Logged by							
Objective			% Recov.	Date							
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm						
30.5 - 32.0	MUDSTONE	30.5 - 32.0		874	90						
	Grey-black, <10% siltstone bands, soft, non-conductive, non-calcareous, platy fracture, ½ % disseminated pyrite. Contains 5-10% soft silty laminations .5 mm thick .										
	31.1 - 31.2 white quartz vein.										
32.0 - 33.15	MUDSTONE WITH QUARTZ STRINGERS	32.0 - 32.6		622	36						
	Highly sheared soft grey mudstone with quartz stringers and pods .5-1 cm thick. Non-conductive.	32.6 - 33.1		174	24						
	Probable fault zone.										
	32.0 - 32.61 core very ground-fault zone										
	32.65 - 32.75 gritstone - 10 volume % pyritic clasts, .5-7 mm in diameter. The pyritic chert clasts average 4 mm in diameter. Also contains 30 volume % siltstone clasts 2 mm-1 cm long by 1-2 mm thick, subrounded. Chert pebble clasts form 35 volume percent of core, average 4 mm in diameter, range 1 mm - 1 cm. Contains 25 volume % siliceous matrix.										
	32.75 - 33.15 sandstone, black, carbonaceous, cut by quartz veins. Contains clasts up to 2 mm diameter. Quartz - calcite veins range 4-6 mm thick, contain 5 volume % calcite.										
	Sheared and distorted - probably fault zone.										
33.15 - 142.3	CHERT PEBBLE CONGLOMERATE, GRITSTONE, SANDSTONE										
	Grey, .5-1 volume % calcite, entire section is very siliceous - cannot scratch with a knife.	33.1 - 34.6		62	9						
	Clasts composed of 80 volume % grey chert, 20 volume % black mudstone and siltstone. Matrix com-										

**Colour Plot
& Dips**

211-9437

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-8	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	F84-8	Sheet
Commenced		Location	Tests at	Hor. Comp.								
Completed		Core Size	Corr. Dip	Vert. Comp.								
Co-ordinates			True Brg.	Logged by								
Objective			% Recov.	Date								
Metres		Description	Interval	Recovery	Zn ppm	Pb ppm						
From	To											
33.15	142.3	133.9 - 142.3 interbedded siltstone - sandstone - conglomerate										
(Continued)		137.7 - 138.2 black siltstone bed										
		140.0 - 142.3 sandstone with minor chert pebble clasts. Greenish grey, contains										
		5 volume % calcite in matrix										
		141.75 quartz vein with pyrobitumen, 4 mm thick, cuts core at 45°										
142.3	159.1	SILTSTONE AND SANDSTONE INTERBEDDED WITH SILTSTONE AND MUDSTONE										
		Black and carbonaceous over the entire section. White chert clasts up to 2 mm but average 1 mm										
		in diameter. Clear white quartz grains, average 0.5 mm, range .1-.5 mm. Matrix composed of a										
		foliated black platy mineral, probably carbonaceous clay. Silty bands are dark grey to black,										
		.75 to 1 cm thick, composed of fine quartz grains and clay.										
		142.3 B/CA = 45°										
		148.4 - 156.1 core broken into small chips, recovery good, possible insitu brecciation.										
159.1	319.1	SILTSTONE AND MUDSTONE										
		Siltstone - 75 volume %, dark to light grey, bands 1 mm - 5 cm average 2 cm thick, occasionally										
		limy with 5-10 volume % calcite. Siltstone content gradually increases downsection										
		to 85 volume % at end of hole										
		Mudstone - 25 volume %, black, carbonaceous, bands range 1 mm - 4 cm average 1 cm thick. These										
		rocks are soft, composed of very fine-grained clay particles and quartz grains less										
		than .1 mm in diameter.										

**Colour Plot
& Disc**

211-9437

**Colour Plot
& Dip**

211-9437

Scale

Colour Plot
& Dips

Drill Hole Record



Property		District		Hole No.		F84-8				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.		83.4%		Date								
Metres		Description							Sample No.	Length	Analysis					
From	To		Recovery (m)	From	To	Recovery (m)	From	To			Recovery (m)					
0.0	13.7	0	69.2	72.2	3.0	128.6	129.2	0.35								
13.7	14.33	0.55	72.2	75.3	3.0	129.2	130.1	0.55								
14.33	17.38	2.85	75.3	78.3	2.1	130.1	133.2	2.5								
17.38	20.42	1.95	78.3	81.4	2.8	133.2	136.2	2.35								
20.42	23.47	1.25	81.4	84.4	2.6	136.2	139.3	2.70								
23.47	26.52	0.20	84.4	87.5	2.9	139.3	142.3	1.5								
26.52	29.57	1.70	87.5	90.5	3.0	142.3	145.4	1.6								
29.57	32.61	2.30	90.5	93.6	2.8	145.4	148.4	1.4								
32.61	35.7	3.0	93.6	96.6	3.0	148.4	151.5	2.3								
35.7	38.1	2.4	96.6	99.7	3.0	151.5	153.0	0.8								
38.1	40.8	2.7	99.7	102.1	2.3	153.0	154.5	0.9								
40.8	41.8	.95	102.1	104.2	1.9	154.5	156.1	0.6								
41.8	44.8	3.0	104.2	105.8	1.6	156.1	157.6	1.0								
44.8	49.4	4.4	105.8	108.8	3.0	157.6	160.6	2.5								
49.4	52.4	3.0	108.8	111.2	2.4	160.6	163.7	2.1								
52.4	54.0	1.5	111.2	113.7	2.4	163.7	166.7	2.3								
54.0	57.0	3.0	113.7	116.4	2.6	166.7	169.8	2.3								
57.0	59.4	2.4	116.4	118.9	2.5	169.8	172.8	2.8								
59.4	62.5	3.1	118.9	121.3	2.1	172.8	175.9	3.0								
62.5	63.7	1.2	121.3	124.4	2.7	175.9	178.9	0.15								
63.7	66.1	2.4	124.4	126.8	2.0	178.9	182.0	2.1								
66.1	69.2	3.0	126.8	128.6	1.4	182.0	185.0	2.6								

Scale

Colour Plot
& Dips

Drill Hole Record



Property		District				Hole No. F84-8						Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-8 Sheet
Commenced		Location				Tests at				Hor. Comp.							
Completed		Core Size				Corr. Dip				Vert. Comp.							
Co-ordinates						True Brg.				Logged by							
Objective						% Recov.				Date							
Metres		Description								Sample No.	Length	Analysis					
From	To	Recovery (m)	From	To	Recovery (m)	From	To	Recovery (m)									
185.0	188.1	2.3	246.0	249.0	3.0	289.6	290.5	0.9									
188.1	190.2	2.0	249.0	252.1	3.1	290.5	291.1	0.6									
190.2	192.3	2.0	252.1	255.1	3.0	291.1	292.0	0.9									
192.3	195.1	2.8	255.1	258.2	3.1	292.0	294.7	2.6									
195.1	198.1	2.8	258.2	259.1	0.9	294.7	297.8	3.1									
198.1	199.6	1.5	259.1	260.3	1.2	297.8	300.8	3.0									
199.6	203.3	3.7	260.3	261.8	1.5	300.8	302.7	1.8									
203.3	206.3	3.0	261.8	263.7	1.9	302.7	305.7	3.0									
206.3	208.8	2.5	263.7	266.1	2.4	305.7	307.8	2.1									
208.8	212.1	3.2	266.1	267.0	0.9	307.8	310.0	2.2									
212.1	215.4	3.1	267.0	269.7	2.7	310.0	313.0	3.0									
215.4	218.8	3.2	269.7	271.3	1.5	313.0	315.5	2.0									
218.8	221.6	2.4	271.3	272.5	1.2	315.5	316.7	1.2									
221.6	224.0	2.3	272.5	275.5	3.0	316.7	319.1	2.3									
224.0	224.9	0.8	275.5	276.5	1.0												
224.9	227.7	2.5	276.5	277.7	0.8	Total Recovery		269.95 m									
227.7	230.7	2.6	277.7	278.9	1.2												
230.7	233.8	2.1	278.9	281.6	2.7	Recovery % = $\frac{\text{Total Recovery (m)}}{\text{Length of core (m)}} \times 100 = \frac{269.95}{305.40} \times 100$											
233.8	236.8	2.7	281.6	283.2	1.6	Length of core (m)				305.40							
236.8	239.9	3.0	283.2	285.0	1.8	= 88.39%											
239.9	242.9	3.0	285.0	288.0	3.0												
242.9	246.0	3.0	288.0	289.6	1.4												

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-9
Commenced	July 08, 1984	Location	YUSEZU River, Yukon	Tests at	161.9 m
Completed	July 11, 1984	Core Size	NQ	Corr. Dip	-87.4°
Co-ordinates	43+57 N, 49+57E			True Brg.	243°
Objective	Test strata south of main showing			% Recov.	91.8%
					Date July 30, 1984

Claim	FIN 25
T Brg.	243°
Collar Dip	-90°
Elev.	940 m
Length	164.9 m
Hole No.	F84-9 Sheet 1

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
0.00 - 6.1	OVERBURDEN, CASING				
6.1 - 147.45	POLYMYCTIC CONGLOMERATE, GRITSTONE, SANDSTONE				
	Polymictic Conglomerate - clasts of chert pebbles (80 volume %); grey siliceous siltstone pebbles	35.9 - 36.4		13	6
	(5 volume %). Clasts are usually subangular but some are well rounded.	36.4 - 37.5		14	<4
	Largest clasts measure 7 cm along long axis, average clast size is 1cm.	37.5 - 38.1		55	9
	Closed framework -clast supported. Pebbles don't always touch but are				
	supported by 1-5 mm granules. Pebbles (clasts > 4 mm) range 20-60				
	volume %, average 30 volume % in conglomerate sections. Largest clast				
	is a siliceous grey siltstone @ 15.4 m. Clasts of all compositions				
	are siliceous. The grey siltstone clasts appear to be silicified with				
	more siliceous rims and less siliceous core. Chert clasts have corroded				
	rims with many rough embayments filled by matrix-quartz or dolomite				
	grains. The black mudstone clasts are moderately to very siliceous and				
	often contain .5-5% pyrite as disseminations or thin bands. The smaller				
	mudstone pebbles and granules are elongated 7X their width (possibly				
	indicates compaction while clast plastic). Matrix material is grey				
	gritstone and sandstone, locally with trace to 20% tan weathering car-				
	bonate (weak efforvescence in 10% HCl - dolomite?). Matrix grit composed				
	of 65 volume % chert granules, 35 volume % siltstone granules. Matrix				
	sandstone grains are mainly quartz with 10 volume % black mudstone				

Colour Plot
& Diagram

211-9437

Scale

Colour Plot
A D p e

Drill Hole Record



Property	FIN	District	Hole No.	F84-9	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-9 Sheet 3
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates		True Brg.	Logged by							
Objective		% Recov.	Date							

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
6.1 - 147.45	basin with variable influxes of grit to pebble-sized clasts.				
(Continued)					
	The general colour for the entire section is light to dark grey and corresponds to the amount of fine carbonaceous mudstone clasts. The bottom contact is sharp; the rocks in the bottom few metres of section are similar to those above except for more numerous, isolated black mudstone beds. This suggests the source of clasts is not the carbonaceous basin itself but part of an outlying area.				
	6.1 - 17.1 conglomerate, generally coarse throughout				
	17.1 - 17.6 sandstone				
	17.6 - 18.1 gritstone				
	18.4 - 24.7 conglomerate, lower 1 m has coarser pebbles				
	20.40 - 22.72 core broken				
	20.95 - 21.25 5-10% dolomite in conglomerate (course)				
	24.7 - 26.0 sandstone				
	24.75 - 25.0 10% dolomite				
	25.91 - 26.1 core broken				
	26.0 - 27.0 chert pebble conglomerate				
	27.0 - 27.43 sandstone				
	27.43 - 31.55 chert pebble conglomerate				
	31.5 - B/CA - 80°				

Scale

Colour Plot
& Dips

Drill Hole Record



Property		District		Hole No.		F84-8				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.		83.4%		Date								
Metres		Description							Sample No.	Length	Analysis					
From	To		Recovery (m)	From	To	Recovery (m)	From	To			Recovery (m)					
0.0	13.7	0	69.2	72.2	3.0	128.6	129.2	0.35								
13.7	14.33	0.55	72.2	75.3	3.0	129.2	130.1	0.55								
14.33	17.38	2.85	75.3	78.3	2.1	130.1	133.2	2.5								
17.38	20.42	1.95	78.3	81.4	2.8	133.2	136.2	2.35								
20.42	23.47	1.25	81.4	84.4	2.6	136.2	139.3	2.70								
23.47	26.52	0.20	84.4	87.5	2.9	139.3	142.3	1.5								
26.52	29.57	1.70	87.5	90.5	3.0	142.3	145.4	1.6								
29.57	32.61	2.30	90.5	93.6	2.8	145.4	148.4	1.4								
32.61	35.7	3.0	93.6	96.6	3.0	148.4	151.5	2.3								
35.7	38.1	2.4	96.6	99.7	3.0	151.5	153.0	0.8								
38.1	40.8	2.7	99.7	102.1	2.3	153.0	154.5	0.9								
40.8	41.8	.95	102.1	104.2	1.9	154.5	156.1	0.6								
41.8	44.8	3.0	104.2	105.8	1.6	156.1	157.6	1.0								
44.8	49.4	4.4	105.8	108.8	3.0	157.6	160.6	2.5								
49.4	52.4	3.0	108.8	111.2	2.4	160.6	163.7	2.1								
52.4	54.0	1.5	111.2	113.7	2.4	163.7	166.7	2.3								
54.0	57.0	3.0	113.7	116.4	2.6	166.7	169.8	2.3								
57.0	59.4	2.4	116.4	118.9	2.5	169.8	172.8	2.8								
59.4	62.5	3.1	118.9	121.3	2.1	172.8	175.9	3.0								
62.5	63.7	1.2	121.3	124.4	2.7	175.9	178.9	0.15								
63.7	66.1	2.4	124.4	126.8	2.0	178.9	182.0	2.1								
66.1	69.2	3.0	126.8	128.6	1.4	182.0	185.0	2.6								

Scale

Colour Plot
& Dips

Drill Hole Record



Property		District		Hole No.		F84-8				Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-8 Sheet	
Commenced		Location		Tests at		Hor. Comp.										
Completed		Core Size		Corr. Dip		Vert. Comp.										
Co-ordinates		True Brg.		Logged by												
Objective		% Recov.		Date												
Metres		Description							Sample No.	Length	Analysis					
From	To	Recovery (m)	From	To	Recovery (m)	From	To	Recovery (m)								
185.0	188.1	2.3	246.0	249.0	3.0	289.6	290.5	0.9								
188.1	190.2	2.0	249.0	252.1	3.1	290.5	291.1	0.6								
190.2	192.3	2.0	252.1	255.1	3.0	291.1	292.0	0.9								
192.3	195.1	2.8	255.1	258.2	3.1	292.0	294.7	2.6								
195.1	198.1	2.8	258.2	259.1	0.9	294.7	297.8	3.1								
198.1	199.6	1.5	259.1	260.3	1.2	297.8	300.8	3.0								
199.6	203.3	3.7	260.3	261.8	1.5	300.8	302.7	1.8								
203.3	206.3	3.0	261.8	263.7	1.9	302.7	305.7	3.0								
206.3	208.8	2.5	263.7	266.1	2.4	305.7	307.8	2.1								
208.8	212.1	3.2	266.1	267.0	0.9	307.8	310.0	2.2								
212.1	215.4	3.1	267.0	269.7	2.7	310.0	313.0	3.0								
215.4	218.8	3.2	269.7	271.3	1.5	313.0	315.5	2.0								
218.8	221.6	2.4	271.3	272.5	1.2	315.5	316.7	1.2								
221.6	224.0	2.3	272.5	275.5	3.0	316.7	319.1	2.3								
224.0	224.9	0.8	275.5	276.5	1.0											
224.9	227.7	2.5	276.5	277.7	0.8	Total Recovery		269.95 m								
227.7	230.7	2.6	277.7	278.9	1.2											
230.7	233.8	2.1	278.9	281.6	2.7	Recovery % = $\frac{\text{Total Recovery (m)}}{\text{Length of core (m)}} \times 100 = \frac{269.95}{305.40} \times 100$										
233.8	236.8	2.7	281.6	283.2	1.6	Length of core (m)			305.40							
236.8	239.9	3.0	283.2	285.0	1.8	= 88.39%										
239.9	242.9	3.0	285.0	288.0	3.0											
242.9	246.0	3.0	288.0	289.6	1.4											

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-9
Commenced	July 08, 1984	Location	YUSEZU River, Yukon	Tests at	161.9 m
Completed	July 11, 1984	Core Size	NQ	Corr. Dip	-87.4°
Co-ordinates	43+57 N, 49+57E			True Brg.	243°
Objective	Test strata south of main showing			% Recov.	91.8%
					Date July 30, 1984

Claim	FIN 25
T Brg.	243°
Collar Dip	-90°
Elev.	940 m
Length	164.9 m
Hole No.	F84-9 Sheet 1

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
0.00 - 6.1	OVERBURDEN, CASING				
6.1 - 147.45	POLYMYCTIC CONGLOMERATE, GRITSTONE, SANDSTONE				
	Polymictic Conglomerate - clasts of chert pebbles (80 volume %); grey siliceous siltstone pebbles	35.9 - 36.4		13	6
	(5 volume %). Clasts are usually subangular but some are well rounded.	36.4 - 37.5		14	<4
	Largest clasts measure 7 cm along long axis, average clast size is 1cm.	37.5 - 38.1		55	9
	Closed framework -clast supported. Pebbles don't always touch but are				
	supported by 1-5 mm granules. Pebbles (clasts > 4 mm) range 20-60				
	volume %, average 30 volume % in conglomerate sections. Largest clast				
	is a siliceous grey siltstone @ 15.4 m. Clasts of all compositions				
	are siliceous. The grey siltstone clasts appear to be silicified with				
	more siliceous rims and less siliceous core. Chert clasts have corroded				
	rims with many rough embayments filled by matrix-quartz or dolomite				
	grains. The black mudstone clasts are moderately to very siliceous and				
	often contain .5-5% pyrite as disseminations or thin bands. The smaller				
	mudstone pebbles and granules are elongated 7X their width (possibly				
	indicates compaction while clast plastic). Matrix material is grey				
	gritstone and sandstone, locally with trace to 20% tan weathering car-				
	bonate (weak efforvescence in 10% HCl - dolomite?). Matrix grit composed				
	of 65 volume % chert granules, 35 volume % siltstone granules. Matrix				
	sandstone grains are mainly quartz with 10 volume % black mudstone				

Colour Plot
& Diagram

211-9437

Scale

Colour Plot
A D p e

Drill Hole Record



Property	FIN	District	Hole No.	F84-9	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-9 Sheet 3
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates		True Brg.	Logged by							
Objective		% Recov.	Date							

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
6.1 - 147.45	basin with variable influxes of grit to pebble-sized clasts.				
(Continued)					
	The general colour for the entire section is light to dark grey and corresponds to the amount of fine carbonaceous mudstone clasts. The bottom contact is sharp; the rocks in the bottom few metres of section are similar to those above except for more numerous, isolated black mudstone beds. This suggests the source of clasts is not the carbonaceous basin itself but part of an outlying area.				
	6.1 - 17.1 conglomerate, generally coarse throughout				
	17.1 - 17.6 sandstone				
	17.6 - 18.1 gritstone				
	18.4 - 24.7 conglomerate, lower 1 m has coarser pebbles				
	20.40 - 22.72 core broken				
	20.95 - 21.25 5-10% dolomite in conglomerate (course)				
	24.7 - 26.0 sandstone				
	24.75 - 25.0 10% dolomite				
	25.91 - 26.1 core broken				
	26.0 - 27.0 chert pebble conglomerate				
	27.0 - 27.43 sandstone				
	27.43 - 31.55 chert pebble conglomerate				
	31.5 - B/CA - 80°				

Scale

Coteur Plot
& Dip

Drill Hole Record



Property	FIN	District	Hole No.	F84-9
Commenced	Location	Tests at	Hor. Comp.	
Completed	Core Size	Corr. Dip	Vert. Comp.	
Co-ordinates	True Brg.	Logged by		
Objective	% Recov.	Date		

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
6.1 - 147.45	31.55 - 31.85 sandstone				
(Continued)	31.85 - 32.2 gritstone } gradational				
	32.2 - 32.5 conglomerate				
	32.5 - 33.0 sandstone				
	33.0 - 33.9 gritstone				
	33.3 - 33.4 25% dolomite in matrix				
	33.77 - 33.83 10% dolomite in matrix				
	33.9 - 36.3 sandstone				
	33.9 - 36.3 sandstone				
	34.15 - 34.43 10% dolomite				
	34.80 - 35.00 10% dolomite				
	35.36 - 35.55 20% dolomite in gritstone matrix				
	35.95 - 36.12 10% dolomite				
	36.3 - 37.5 gritstone to fine conglomerate				
	37.5 - 38.41 conglomerate				
	38.41 - 39.10 gritstone				
	39.10 - 39.80 fine conglomerate				
	39.15 - 44.85 5% dolomite in gritstone				
	39.80 - 47.47 sandstone with minor grit and conglomerate sections				
	44.5 - 44.85 10 volume % dolomite				
	47.47 - 48.2 conglomerate				

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	Hole No.	F84-9							
Commenced		Location	Tests at	Hor. Comp.							
Completed		Core Size	Corr. Dip	Vert. Comp.							
Co-ordinates			True Brg.	Logged by							
Objective			% Recov.	Date							
Metres		Description	Interval	Recovery	Zn ppm	Pb ppm	Claim	T Brg.	Collar Dip	Elev.	Length
From To											
6.1 - 147.45	48.2 - 49.15	coarse gritstone and sandstone, minor conglomerate									
(Continued)	48.35 - B/CA - 70°										
	48.95 - 49.05	5 volume % dolomite in conglomerate matrix									
	49.15 - 50.6	conglomerate, fine to medium pebbles minor sandstone									
	49.38 - 49.42	10% dolomite in sandstone matrix									
	50.6 - 52.95	course sandstone, gritstone									
	52.95 - 53.8	conglomerate									
	52.95 - 53.0	10 volume percent dolomite									
	53.8 - 69.3	fine conglomerate (80 volume %), gritstone and sandstone sections 10-30 cm thick									
	55.15 - 55.85	core badly broken									
	59.65 - B/CA - 70°										
	60.35 - 60.7	10 volume % dolomite in gritstone									
	61.1 - 62.0	core broken, 10 cm gouge									
	64.6 - 65.55	core broken and ground									
	67.5 -	3 cm of 5 volume % dolomite in gritstone matrix									
	67.9 - 67.95	10 volume % dolomite in conglomerate matrix									
	69.3 - B/CA = 60°										
	69.3 - 71.2	gritstone, sandstone									
	69.95 - 70.05	10 volume % dolomite in sandstone									
	70.9 - 71.2	core ground, 3 cm chips for 30 cm of core									
	71.2 - 72.35	conglomerate									
	71.2 - 72.3	2 volume % dolomite									

Hole No. F84-9 Sheet 5

Scale

Contour Plot
A Done

Drill Hole Record



Property	FIN	District	Hole No.	F84-9
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres From To	Description	Interval	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-9 Sheet 6
6.1 - 147.45	72.35 - 77.20 sandstone and gritstone							
(Continued)	73.80 - 77.20 small 1 mm quartz veinlets cut core at 90° to 45°, form 2 volume %							
	76.0 - 76.1 5 volume % dolomite in sandstone							
	77.2 - 78.35 conglomerate - pebbles only 20 volume % of core (less than other sections)							
	78.35 - 84.0 gritstone (80 volume %), sandstone (20 volume %)							
	83.4 - 83.5 5 volume % dolomite in gritstone							
	84.00 - 84.05 black, moderately siliceous mudstone bed							
	84.05 - 86.15 conglomerate							
	84.05 - 84.13 20 volume % dolomite							
	84.10 - 84.40 core broken							
	86.15 - 86.65 gritstone							
	85.60 - 86.15 crushed zone							
	86.15 - 86.65 core broken							
	86.65 - 87.2 sandstone							
	87.2 - 87.6 gritstone							
	87.6 - 87.9 sandstone							
	87.9 - 96.55 sandstone (50 volume %), gritstone (50 volume %), contains two 20 cm conglomerate beds							
	96.55 - 111.20 fine conglomerate (70 volume %), gritstone (25 volume %), sandstone (5 volume %)							
	108.2 - B/CA = 85°							

Scale

Colour Plot
& Dip

Drill Hole Record



Property FIN

District

Hole No. F84-9

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. F84-9 Sheet 7

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
6.1 - 147.45	111.20 - 119.0 sandstone (60 volume %), gritstone (40 volume %)				
(Continued)	core badly broken throughout section				
	116.05 - 116.10 crushed black mudstone layer				
	116.20 - 2 cm quartz vein at 90°				
	116.30 - several 1 cm thick quartz veins at 90° to axis				
	116.35 - 116.45 crushed zone - gouge				
	116.45 - 116.60 section is a white quartz vein				
	118.40 - 118.60 black mudstone bed - very broken				
	119.0 - 120.6 fine conglomerate				
	120.6 - 127.5 Gritstone (30 volume %), sandstone (50 volume %), conglomerate (20 volume %)				
	123.55 - 123.65 5 volume % dolomite in sandstone matrix				
	124.06 - 124.30 white quartz vein				
	126.30 - quartz vein 2 cm thick at 70° to core axis				
	126.5 - 126.65 quartz vein at 80° to axis				
	127.0 - 127.15 quartz vein at 85° to axis				
	127.5 - 142.6 fine conglomerate (75 volume %), gritstone (20 volume %), sandstone (5 volume %)				
	127.50 - 128.0 core broken				
	134.16 - 134.3 20 volume % dolomite in gritstone				
	134.43 - 134.5 20 volume % dolomite in gritstone				
	135.0 - 135.7 10 volume % dolomite in gritstone to sandstone				
	136.35 - 136.43 black mudstone				

211-8437

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-9					
Commenced		Location	Tests at		Hor. Comp.				
Completed		Core Size	Corr. Dip		Vert. Comp.				
Co-ordinates			True Brg.		Logged by				
Objective			% Recov.		Date				

Metres		Description	Interval	Recovery	Zn ppm	Pb ppm
From	To					
147.45	164.9	147.52 - 147.64 black gritstone				
(Continued)		147.55 - B/CA = 62°				
		147.7 - 148.44 crushed mudstone and siltstone - gouge?				
		148.44 - 149.05 badly broken, 10 cm crushed zone				
		148.7 - B/CA = 20°				
		149.05 - 141.66 0 recovery - core completely ground away				
		150.83 - 150.90 crushed zone in siltstone				
		151.00 - B/CA = 56°				
		153.35 - 153.55 gritstone - dark grey				
		153.55 - 153.65 crushed zone - gouge				
		153.8 - B/CA = 52°				
		155.9 - 156.36 crushed zone with 10% white broken quartz vein fragments				
		157.05 - 157.25 gritstone - black				
		157.45 - 158.20 gritstone - grey				
		158.20 - 158.40 conglomerate - fine pebbles				
		159.65 - .75 cm band of quartz and pyrobitumen				
		159.72 - 159.8 white quartz vein				
		159.80 - 159.95 crushed zone - gouge				
		159.95 - 160.05 sandstone - dark grey				
		161.35 - 161.75 gritstone - grey				
		163.1 - B/CA = 45°				

**Colour Plot
& Dips**

[illegible]

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-9
Commenced	Location		Tests at	Hor. Comp.
Completed	Core Size		Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres	Description	Interval	Recovery	Zn ppm	Pb ppm
From To					
	CORE RECOVERY				
From - To	Recovery (m)	From - To	Recovery (m)	From - To	Recovery (m)
00.00 - 6.10	0 - Casing	52.43 - 53.95	2.10	94.79 - 96.01	0.90
6.10 - 8.23	1.20	53.95 - 57.00	3.25	96.01 - 99.06	3.00
8.23 - 10.67	2.25	57.00 - 60.05	3.10	99.06 - 100.28	1.10
10.67 - 12.80	2.00	60.05 - 63.09	2.75	100.28 - 102.72	2.45
12.80 - 14.33	1.50	63.09 - 66.14	3.15	102.72 - 105.77	3.00
14.33 - 17.37	2.95	66.14 - 69.19	2.70	105.77 - 108.81	2.90
17.37 - 20.42	3.00	69.19 - 71.32	1.95	108.81 - 111.25	2.45
20.42 - 23.47	2.85	71.32 - 73.36	2.85	111.25 - 112.47	1.10
23.47 - 25.91	2.20	73.36 - 75.59	2.85	112.47 - 113.69	0.90
25.91 - 27.43	1.50	75.59 - 76.51	0.90	113.69 - 114.30	0.55
27.43 - 29.57	1.95	76.51 - 78.03	1.60	114.30 - 114.91	0.70
29.57 - 32.61	3.10	78.03 - 79.55	1.50	114.91 - 115.83	0.90
32.62 - 35.36	2.80	79.55 - 81.69	1.80	115.83 - 117.96	2.10
35.36 - 38.41	3.10	81.69 - 83.21	1.40	117.96 - 121.01	3.10
38.41 - 40.23	1.90	83.21 - 84.74	1.60	121.01 - 124.06	3.10
40.23 - 42.98	3.00	84.74 - 86.26	1.15	124.06 - 127.10	3.00
42.98 - 44.81	1.30	86.26 - 87.78	1.50	127.10 - 130.15	3.00
44.81 - 47.85	3.00	87.78 - 90.53	2.70	130.15 - 132.21	2.10
47.85 - 50.60	2.60	90.53 - 92.36	1.70	132.21 - 134.11	1.85
50.60 - 52.43	1.40	92.36 - 94.79	2.20	134.11 - 135.64	1.50

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-9 Sheet 11
-------	--------	------------	-------	--------	-------------------------

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-9
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. F84-9 Sheet 12

Metres		Description			Interval	Recovery	Zn ppm	Pb ppm
From	To							
		CORE RECOVERY						
		Recovery (m)	From - To	Recovery (m)				
134.11 - 135.64		1.50	161.54 - 163.68	1.70				
135.64 - 138.08		2.50	163.68 - 164.90	0.60				
138.08 - 139.60		1.50						
139.60 - 142.34		2.65	TOTAL METRES RECOVERED = 151.45					
142.34 - 144.17		21.5						
144.17 - 146.00		1.80	Recovery = 151.45 X 100 = 91.8%					
146.00 - 148.44		2.30	164.90					
148.44 - 149.05		0.70						
149.05 - 149.66		0						
149.66 - 150.88		0.45						
150.88 - 151.79		0.35						
151.79 - 152.70		0.70						
152.70 - 153.62		0.70						
153.62 - 153.92		0.30						
153.92 - 154.53		0.55						
154.53 - 156.36		0.90						
156.36 - 157.58		0.90						
157.58 - 159.72		2.00						
159.72 - 160.63		0.60						
160.63 - 161.54		0.55						

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-10
Commenced	July 12, 1984	Location	YUSEZU RIVER, YUKON	Tests at	203.3 m
Completed	July 14, 1984	Core Size	NQ	Corr. Dip	-78.5°
Co-ordinates	36+55 N 49+99 E			True Brg.	316
Objective	To test UTEM anomaly			% Recov.	90.7%
				Date	August 10, 1984

Claim	FIN 6
T Brg.	316°
Collar Dip	-90°
Elev.	925 m
Length	206.35 m
Hole No.	F84-10
Sheet	1

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
00.00 - 9.45	CASING/OVERBURDEN NOTE: Casing ultimately driven to 18.89 to prevent caving				
9.45 - 29.57	SILTSTONE				
	Siltstone - dark grey to black, beds not distinct, parts in pieces 1-5 cm, average 2 cm, no pyrite, occasional 5 mm black mudstone bed. Minor 1-2 mm average carbonate veins parallel to core axis.				
	9.45 - 24.4 core very broken - 60% is chips less than 1 cm				
	15.2 - B/CA = 64°				
	21.95 - 22.15 white quartz vein, contacts not visible				
	26.55 - 29.57 core very broken				
	26.65 beds of black mudstone 4 mm thick folded in small antiforms with axis perpendicular to core axis				
	27.95 - 27.98 fine-grained pyrite pod with rims of quartz and dolomite				
29.57 - 34.40	SILTY MUDSTONE	32.6 - 33.1		41	11
	Black, weathering, grey black, contains 40 volume % silt, moderately siliceous, 5 volume % sub-microscopic, pyrite, 2 volume % 1 mm quartz - carbonate veins cut core axis from 0° to 45°.				
	32.8 - trace content of sphalerite - several grains in a 7 mm pyrite-quartz wisp, red-brown, grains .1mm diameter form 10% of wisp				
	32.8 - 32.95 quartz bands .1-1.5 mm parallel to parting (foliation), parting angle is 68°.				
	33.0 B/CA = 68°				

Scale

Colour Plot
& Dips

Drill Hole Record



Property FIN

District

Hole No. F84-10

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. F84-10 Sheet 2

Metres		Description	Interval	Recovery	Zn ppm	Pb ppm
From	To					
34.40	40.10	SILTSTONE				
		Black, weathers grey-black, contains 5-20% mud (carbonaceous mudstone), moderately siliceous, beds indistinct, generally greater than 1 cm, average 1.5 cm. Trace pyrite. Locally has fine wisps of quartz with 2% dolomite.				
		34.8 - B/CA = 64°				
		35.00 - 35.90 core broken				
		36.30 - 36.50 siliceous zone with quartz-carbonate veinlets in a breccia. Possibly a siliceous siltstone				
		36.50 - 38.50 core broken to chips				
		38.60 - 38.65 sandstone band with 5% pyrite as blebs and stringers 1 mm wide				
		39.01 - 40.10 siltstone with 5 volume % wisps of quartz and dolomite 2mm X 2cm parallel to bedding				
		39.25 - 39.50 mudstone content up to 30 volume %, carbonaceous and black				
		39.50 B/CA = 63°				
40.10	52.70	SILTSTONE				
		Dark grey weathering light grey, contains mostly silt sized particles and has less mud content than 34.4 - 40.1 section. Traces of pyrite (.25 volume %). Contains 2 volume % bands of black carbonaceous mudstone, moderately siliceous, 4mm-1cm thick as well as 5 volume % very siliceous siltstone beds 5-10cm thick				
		43.40 - 43.60 10% grains in siltstone				

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-10	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-10 Sheet 3
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates			True Brg.	Logged by						
Objective			% Recov.	Date						
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm					
40.10 - 52.70	46.05 - 46.15 core ground									
(Continued)	46.60 - 3 mm mudstone bands, B/CA = 70 ⁰									
	47.95 - 51.00 core ground in many places, 80% of core is chips less than 1 cm in diameter									
	52.30 - 52.70 core in 1 cm chips									
52.70 - 61.10	CHERT, SILICEOUS SILTSTONE, BARITE NODULES	57.4 - 58.4		69	<4					
	Chert - white to light green, grey, beds 50 cm - 1.3 m thick, forms 55 volume % of section									
	usually contains barite nodules, locally contains calcite in bands (locally 25 volume%)									
	weathering creamy white.									
	Siliceous Siltstone - grey to green, internal grey laminations locally visible but bedding planes									
	not evident									
	Barite Nodules - range 7mm X 2cm to 4cm X 7cm, average 1 X 4cm, usually has traces to 5 volume %									
	pyrite around its rims. Nodules may have grown insitu distorting the sedimen-									
	tary laminations adjacent to it. Forms 5 volume % of core.									
	NOTE: This unit correlates with the chert barite horizon in Chert Creek and Hole F84-12.									
	52.70 - 54.60 chert - grey with occasional barite nodules									
	54.60 - 59.00 chert - green, white, minor 1 cm zones of dolomite (5 volume %), small barite									
	nodules									
	59.00 - 60.50 cherty siltstone, grey, laminated. Includes some soft green mudstone bands with									
	15 volume % pyrite, bands 2mm - 1cm, average 5 mm and occur at 59.1, 54.3, 60.05,									
	60.45, 60.50									

Scale

Colour Plot
& Dips

Drill Hole Record



Property FIN		District	Hole No. F84-10					
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
				Recovery	Zn ppm	Pb ppm		
Metres From To		Description		Interval				
52.70 - 61.10		59.3 B/CA = 71°						
(Continued)		60.50 - 61.10 white-green chert with small barite nodule						
61.10 - 98.75		SILTSTONE						
		Grey, moderately siliceous, contains 2% barite nodules 1x1 cm to 3x8 cm diameter pyrite blebs and bands (75 volume %) with quartz, average 2 cm thick. Contains calcite (plus barite?) nodules; grey chert beds 2-5 cm thick; light grey limy siltstone beds 50-60 cm thick; soft black carbonaceous beds 3mm-2cm, average 4 mm thick, form 3 volume % of core; pyrite is trace to 1%, average .25 volume %. Bedding not well developed but range 1-50 cm thick with average 2 cm thickness.						
		61.80 - 61.90 two 1 cm bands of 70 volume % pyrite, 30 volume % quartz, perpendicular to core axis						
		62.90 1 cm band of 60 volume % pyrite and quartz						
		64.60 - 64.95 core badly broken						
		65.50 B/CA = 70°						
		66.75 - 68.53 core very broken						
		68.53 - 68.85 large baritic chert nodules in cherty section, minor calcite 3 volume %, several sphalerite grains (<¼ volume %) with the calcite and barite. Sphalerite red brown grains .1 mm in diameter in the nodules of barite 20%, quartz 70%, calcite 10%, usually in clusters 1 mm in diameter near margin of nodule. Margin carries 10% pyrite over 1 cm and marks nodule boundary, sphalerite usually 4 mm inside pyrite boundary.						

Scale

Colour Plot
& Dips

0.

Drill Hole Record



Property	FIN	District	Hole No.	F84-10						
Commenced		Location	Tests at		Hor. Comp.					
Completed		Core Size	Corr. Dip		Vert. Comp.					
Co-ordinates			True Brg.		Logged by					
Objective			% Recov.		Date					
Metres	Description				Interval	Recovery	Zn	Pb		
From To							ppm	ppm		
61.10 - 98.75	69.80 - 70.00 grey chert section, 1% pyrite as blebs									
(Continued)	70.55 - 70.60 5 cm thick barite-calcite (20% barite, 20% calcite) at 90° to core axis									
	70.60 - 73.00 muddy siltstone - 25 volume % carbonaceous mud content, 1% pyrite in .1 mm laminations parallel to bedding, plus as microcrystalline grains disseminated in section									
	71.2 - B/CA = 82°, cleavage @ 68°									
	78.40 - 78.70 limy siliceous siltstone, 25 volume % calcite, light grey colour									
	79.00 - 80.60 core broken									
	80.50 - 80.60 gouge									
	80.80 - 81.00 limy zone in siltstone, 2-6 cm thick with 5-20 volume % pyrite, 10 volume % calcite, light grey weathering									
	81.7 - B/CA = 72°									
	87.70 - 88.20 limy siltstone (50 volume % calcite, 50 volume % quartz) to limestone (84% calcite) grey, weathers white									
	88.20 - 88.70 core broken									
	88.70 - 89.50 dark to light grey siltstone with black mudstone bands. Mudstone .4-2 mm, forms 5 volume % of section. Light grey bands average 2 cm thick and composed of coarse silt to fine sandstone.									
	89.80 - B/CA = 60°									
	90.22 - 90.30 grey chert, 5 volume % pyrite, disseminated									
	90.30 - 90.65 siliceous limestone (60 volume % calcite, 40 volume % quartz)									
	90.65 - 90.75 light grey chert, 3 volume % disseminated pyrite									

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-10						
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates			True Brg.	Logged by						
Objective			% Recov.	Date						
Metres	Description				Interval	Recovery	Zn ppm	Pb ppm		
From To										
61.10 - 98.75	90.75 - 90.90 core broken - mainly along .5 mm mudstone bands									
(Continued)	92.00 - 93.40 core broken and ground - core lost in this zone									
	93.80 - 97.00 core broken									
	98.60 - 98.75 core crushed rock									
98.75 - 102.2	SILTY MUDSTONE (65 VOLUME %) AND SILTSTONE (35 VOLUME %)									
	Silty Mudstone - black, soft to medium hardness (easily scratched by knife), contains 5-30 volume									
	%, silty component in mudstone, also has bands of tan coloured mudstone that									
	carry 30 volume % disseminated microcrystalline pyrite, bands 1 mm to 2 cm									
	(N.B. These bands may carry microcrystalline submicroscopic tan sphalerite but									
	not visible nor are they anomalously heavy). Average bed thickness 1 cm, but									
	beds not distinct, average 5 volume % pyrite - disseminated microcrystals									
	Siltstone - dark grey, moderate to very hard, beds 2-4 cm intercalated with silty mudstone, forms									
	35 volume % of section. Average bed thickness 1 cm, range .5 - 2 cm									
	98.80 - 98.83 tan brown band of mudstone, soft, 20 volume % microcrystalline pyrite as dissemi-									
	nations, plus 15 volume % fine white blebs less than 0.5 mm in diameter, average									
	5 volume % pyrite disseminated microcrystals.									
	98.95 - 5 volume % calcite in limy grey siltstone									
	99.00 - 99.10 chert - dark grey									
	99.2 - B/CA = 65°									

Hole No F84-10 Sheet 6

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	Hole No.	F84-10
Commenced	Location		Tests at	Hor. Comp.
Completed	Core Size		Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
98.75 - 102.2	99.1 - 102.2 Silty Mudstone with 5 volume % fine disseminated pyrite bands in siltstone				
(Continued)	99.25 - mudstone band - 2 cm thick, soft, tan brown, 30 volume % micro-crystalline pyrite, plus 5 volume % tiny white grains				
	99.93 - 100.00 several .5 cm tan brown mudstone bands with 30 volume % pyrite				
	in this section, pyrite averages 15 volume % over entire section				
	99.95 - B/CA = 71 ⁰				
	100.00 - 100.59 siliceous grey siltstone				
	100.59 - 100.89 silty mudstone with tan mudstone and pyrite bands as above.				
	Pyrite content above average in this section, 15 volume %				
	100.80 - 100.89 core broken to small plates				
	100.89 - 102.20 siliceous siltstone with average of 5 volume % in disseminated crystals and blebs, medium grey colour. Core broken along entire section.				
	102.15 - 102.20 gouge				
102.2 - 106.25	LIMY SILTY MUDSTONE				
	Contains 5-20% calcite, average 15 volume %, colour medium grey to black, pyrite averages 10 volume % as disseminations and fine wisps. Core recovery good in this section. Beds not distinctive, probably 1 m thick				
	102.20 - 102.50 core broken				
	103.30 - 103.38 quartz veins parallel to core axis in brecciated zone with 10 volume % pyrite				
	as 2 mm blebs along fractures				

**Colour Plot
& Dipa**

Hole No. **Sheet**
F84-10 8

Scale

Colour Plot
& Dips

0

Drill Hole Record



Property	FIN	District	Hole No.	F84-10
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. F84-10 Sheet 89
-------	--------	------------	-------	--------	--------------------------

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
106.25 - 114.40 (Continued)	112.30 - 112.47 core crushed - has 15 volume % calcite plus quartz bands, .5 to 1 cm in a graphitic gouge				
	112.55 - 5 volume % pyrite in 1 cm contorted band in black mudstone				
	112.60 - 2 cm siliceous band with 3 volume % disseminated pyrite, colour is grey-white in black mudstone				
	112.65 - 112.80 black mudstone with pyrite blebs - TAKEN FOR GEOCHEM SAMPLE				
	113.00 - B/CA = 88 ⁰				
	113.90 - 114.00 core ground into .5 cm pieces				
114.40 - 119.50	BLACK SILICEOUS MUDSTONE INTERBEDDED WITH GREY SILICEOUS SILTSTONE AND QUARTZ-CALCITE BANDS				
	Mudstone - black, carbonaceous and siliceous, 55 volume % of section, very black, very hard, beds 3-30 cm average 2 cm				
	Siltstone - dark grey to black, beds 2mm - 6 cm average 1 cm, forms 35 volume % of section				
	Calcite and Quartz Bands - bands and mottled patches in siltstone and mudstone, forms 10 volume % of section, bands probably represent veins formed when sediments still soft. Bands .5-6mm and average 2mm, generally parallel foliation but commonly are distorted and broken and pushed into siltstone and mudstone while they are still unconsolidated. The calcite mottled masses may have grown insitu.				
	Pyrite content of the entire section is trace to 2 volume %, average 1 volume % disseminated				
	114.60 - B/CA = 85 ⁰				

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	Hole No.	F84-10
Commenced	Location		Tests at	Hor. Comp.
Completed	Core Size		Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
114.40 - 119.50	114.85 - 114.91 core ground into .5 cm pieces				
(Continued)	114.91 - 115.00 quartz and 10 volume % calcite as matrix to siltstone breccia fragments, 2-4mm angular, quartz veins 2 cm and for 50 volume % of core - could be called a crackle breccia. Average of 3% pyrite as clusters of 4-8mm crystals in grey limestone patches associated with breccia filling				
	115.10 - B/CA = 75°				
	116.00 - B/CA = 75°				
	116.70 - B/CA = 80°				
	118.60 - B/CA = 75°				
	119.18 - 119.20 core ground				
	119.20 - 119.35 40 volume % calcite plus siliceous mudstone - grey white, mottled				
119.50 - 121.90	SILTSTONE				
	Dark grey, beds 1-10 cm, average 4 cm but beds not distinct. 5 volume % pyrite which occasionally occurs in bands of 20 volume % disseminated, 2 mm - 1 cm thick. Rocks hard to scratch - siliceous				
	Contains 5 volume % silty mudstone in 1-10 cm beds				
	NOTE: sphalerite grains in trace amounts within this section, red coloured.				
	120.45 sphalerite grains - trace - red-brown, .5 mm diameter isolated or with a 2 mm bleb of quartz and pyrite, also see microscopic grains <.1mm embedded in the siltstone. Also 1% finely disseminated pyrite in this section.				
	121.05 - B/CA = 75°				

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	Hole No.	F84-10						
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates			True Brg.	Logged by						
Objective			% Recov.	Date						
Metres	Description				Interval	Recovery	Zn ppm	Pb ppm		
From To										
119.50 - 121.90	121.55 -	sphalerite grains - trace - red-brown, .2 mm diameter with .5 cm band of 45%								
(Continued)		pyrite and 55% quartz in fracture and along bedding plane in grey siliceous								
		siltstone								
	121.80 -	sphalerite grains - trace - red-brown, .1 mm diameter, disseminated in dark grey								
		siliceous siltstone with 5 volume % disseminated pyrite								
121.90 - 151.40	SANDSTONE									
	Grey fine to coarse quartzose to quartzo-feldspathic sandstone. Pyrite .25 to 5 volume %, average .5%, biotite flakes up to 2 volume % locally - red brown colour, similar to sphalerite				121.3-122.2		126	37		
	colour. Bedding features generally absent with beds over 1 m thick.				122.2-123.1		1,090	23		
	NOTE: Sphalerite grains in trace amounts within this section, red coloured.				133.5-134.6		28	17		
	122.12 -	sphalerite grains - trace - red-brown grains in a siliceous fine-grained								
		sandstone, grains .5 mm in diameter, several clusters .75 mm x 3 mm parallel to								
		foliation, generally occur as fine crystals less than .5 mm diameter in rock with								
		3% disseminated pyrite								
	122.60 -	sphalerite grains - trace - red-brown grains, .5 mm in diameter, in the 5 mm x								
		2.5 cm patch sphalerite content is 15% but overall content of section is trace								
	122.63 -	sphalerite - trace -red-brown grains .1 mm in diameter occur in clusters and								
		streaks 2-3 mm in diameter or 1mm x 1cm associated with moderately hard white								
		mineral - not quartz. Streaks parallel to foliation in a dark grey fine-grained								
		quartzose sandstone with 10% black carbonaceous mud grains.								

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-10						
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates			True Brg.	Logged by						
Objective			% Recov.	Date						
Metres	Description				Interval	Recovery	Zn ppm	Pb ppm	Length	Hole No. F84-10 Sheet 1R
From To										
121.90 - 151.40	122.90 - 135.60 fine grained sandstone									
(Continued)	135.60 - 151.40 medium to coarse-grained quartzose to quartzo-feldspathic sandstone, locally									
	gritstone. This section contains 2-5% biotite as small red flacks .05-1.0 mm,									
	average .1 mm plus ½ volume % black mudstone clasts. Overall colour is grey to									
	cream.									
	133.35 - 135.50 faint textures show as dark outlines on wet core appear as									
	sedimentary structures such as scour marks where 2 cm beds were									
	deposited and rescored.									
	141.40 - 144.35 textures - faint grey lines suggest beds in a massive coarse-									
	grained sandstone to gritstone									
	143.70 - 143.80 soft carbonaceous mudstone with a 1 cm silty band with 10									
	volume % pyrite									
	N.B. Calcite in these sections 123.05 - 123.30 (10%), 125.25 - 125.45 (10%), 128.35 - 128.55 (5%)									
	129.80 - 129.90 (10%)									
151.40 - 155.40	CONGLOMERATE				154.4-155.4		108	28		
	Black carbonaceous mudstone clasts, 5 volume % of core, 5 mm - 4 cm, average 1 cm along long axis,									
	conglomerate as open framework - the clasts float in a quartzo-feldspathic gritstone matrix.									
	Matrix - quartzo-feldspathic grit to coarse sandstone, feldspars up to 4 mm but average 1 mm in									
	diameter, 5 volume % pyrite, medium grey colour.									
	154.70 - sphalerite - 15 volume % in a black mudstone clast .5 x 3.5 cm. Sphalerite is									

Hole No. E84-10 Sheet 13

Scale

Colour Plot
& Dips

Drill Hole Record



Property		District		Hole No.		F84-10				Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.F84-10 Sheet
Commenced		Location		Tests at		Hor. Comp.									
Completed		Core Size		Corr. Dip		Vert. Comp.									
Co-ordinates				True Brg.		Logged by									
Objective				% Recov.		90.7%		Date							
Metres		Description													
From	To	Recovery (m)		From	To	Recovery (m)		From	To	Recovery (m)		Sample No.	Length	Analysis	
0.0	9.45	0		46.03	46.50	.3		78.03	79.25	1.2					
9.45	11.89	.7		46.50	47.85	1.0		79.25	81.38	2.4					
11.89	14.02	.4		47.85	49.07	1.1		81.38	84.43	3.0					
14.02	17.68	.8		49.07	50.60	.8		84.43	87.48	3.0					
17.68	20.42	.1		50.60	51.21	.35		87.48	90.22	2.7					
20.42	22.25	.8		51.21	52.12	1.0		90.22	92.05	1.3					
22.25	23.47	.7		52.12	53.65	1.5		92.05	93.57	.55					
23.47	24.38	.8		53.65	54.56	.7		93.57	96.32	1.8					
24.38	25.30	.6		54.56	56.39	1.9		96.32	96.93	.4					
25.30	26.52	.95		56.39	57.61	1.3		96.93	99.06	2.0					
26.52	27.74	1.1		57.61	60.05	1.6		99.06	99.98	1.1					
27.74	28.65	.9		60.05	61.88	1.8		99.98	100.89	0.9					
28.65	29.57	.8		61.88	64.01	2.1		100.89	101.8	1.0					
29.57	31.70	2.0		64.01	65.23	0.9		101.8	103.94	2.2					
31.70	32.61	1.0		65.23	67.06	1.8		103.94	106.07	2.0					
32.61	35.66	2.7		67.06	68.53	1.2		106.07	108.21	1.9					
35.66	38.71	2.5		68.53	70.71	2.1		108.21	109.12	0.8					
38.71	39.01	0.3		70.71	71.93	1.0		109.12	109.73	0.6					
39.01	40.23	1.4		71.93	73.46	1.5		109.73	110.34	0.3					
40.23	42.89	2.5		73.46	74.68	1.3		110.34	111.25	0.85					
42.89	44.81	1.7		74.68	74.81	2.3		111.25	111.56	0.2					
44.81	46.03	1.1		74.81	78.03	1.1		111.56	112.47	0.9					

Scale

Colour Plot
& Dip

Drill Hole Record



Property		District		Hole No.		F84-10		Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-10	Sheet	
Commenced		Location		Tests at		Hor. Comp.									
Completed		Core Size		Corr. Dip		Vert. Comp.									
Co-ordinates		True Brg.		Logged by											
Objective		% Recov.		Date											
Metres		Description		From		Sample No.		Length		Analysis					
From	To	Recovery (m)													
112.47	114.0	.14		167.94	169.77	2.85									
114.0	114.91	0.9		169.77	172.82	3.00									
114.91	117.96	3.0		172.82	175.87	3.00									
117.96	119.18	1.1		175.87	178.92	3.00									
119.18	121.01	2.7		178.92	181.97	3.00									
121.01	123.75	2.5		181.97	185.01	3.20									
123.75	126.49	3.0		185.01	187.15	2.00									
126.49	129.54	3.05		187.15	190.20	2.90									
129.54	132.59	3.1		190.20	193.24	3.00									
132.59	135.64	3.1		193.24	195.99	2.85									
135.64	138.38	2.9		195.99	198.12	2.10									
138.38	141.43	3.0		198.12	200.25	2.10									
141.43	144.48	3.0		200.25	203.30	1.70									
144.48	147.43	3.0		203.30	206.35	3.80									
147.43	148.74	1.4													
148.74	151.49	3.0		Total Recovery		178.65									
151.49	154.53	3.0													
154.53	157.58	3.0		Recovery % = Recovered Length		x 100 = 178.65 = 90.73%									
157.58	160.63	3.0		Core Length		196.90									
160.63	163.37	2.9													
163.37	166.42	3.0													
166.42	167.94	1.5													

Drill Hole Record



Property	FIN	District	WATSON LAKE	Hole No.	F84-11
Commenced	July 15, 1984	Location		Tests at	188.0
Completed	July 18, 1984	Core Size	NQ	Corr. Dip	-80.5°
Co-ordinates	41+90N 58+00E			True Brg.	324°
Objective	Test downdip extent of F84-8 mineralized strata			% Recov.	83.8%
				Date	September 10, 1984

Claim	FIN 30
T Brg.	324°
Collar Dip	-90°
Elev.	910 m
Length	191.09 m
Hole No.	F84-11
Sheet	1

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
00.00 - 11.70	OVERBURDEN AND CASING				
11.70 - 21.30	ARKOSIC SANDSTONE				
	Dark grey, white spots in a grey matrix, 35 volume % feldspar grains, 35 volume % quartz grains, 25 volume % black mudstone grains, 5 volume % pyrite. Clast size ranges .5-1.5mm average .5mm.				
	14.30 - 16.50 core fractured and broken - crumbly and granular as if weathered?				
	19.80 - 21.03 core broken				
	20.42 - 21.03 core ground - poor recovery, possible fault				
21.30 - 24.00	COARSE GRAINED ARKOSIC SANDSTONE WITH MINOR GRITSTONE				
	Green to grey, contains feldspar crystals .5mm-3cm average .75mm, about 5% of feldspars are granule size.				
	22.00 - B/CA = 60°				
	23.70 - 24.00 siliceous black mudstone with 2 volume % pyrite and 5 volume % fine quartz grains (radiolarians?). A 3cm gouge zone is present @ 23.75 - 23.78.				
24.00 - 26.90	ARKOSIC GRITSTONE				
	Grey colour, feldspars average 35 volume % of core, up to 5mm, average 1.5mm. 5 volume % pyrite sericite form 5 volume % of core and is waxy green, foliated in streaks 5mm long				
	24.35 - B/CA - 45°, sahle band				
	25.70 - 26.45 calcareous grey-white conglomerate clasts, pebbles up to 6cm along long axis but most clasts in 1-2cm range. Clasts contain 20 volume % calcite and form 40 vol.%				

Drill Hole Record



Property FIN District Hole No. F84-11

Commenced Location Tests at Hor. Comp.

Completed July 18, 1984 Core Size NQ Corr. Dip -80.5° Vert. Comp.

Co-ordinates True Brg. 324° Logged by RJS

Objective % Recov. Date

Meterage From To	Description	Interval	Analysis		Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-11 Sheet 2
			Cu %	Au oz/T						
24.00 - 26.90 (cont'd)	of core. Matrix is the arkosic gritstone. Clasts contain 55 vol. % silica and 5 vol. % finely disseminated pyrite. Clasts are angular.									
26.9 - 29.45	QUARTZOSE SANDSTONE Fine to medium grained sandstone, green, moderately siliceous with 3% disseminated pyrite 27.0 - B/CA = 60° (may be foliation) 27.1 - 28.2 numerous calcareous quartz veins cut the sandstone, 2 mm - 6 cm thick, 10% calcite, forms 50 volume % of core 28.4 - 29.45 rocks broken and fractured insita									
29.45 - 32.2	COARSE-GRAINED SANDSTONE Dark grey to black, 30 vol. % white quartz grains .1 - 1 mm, average .5 mm within a black carbonaceous mudstone matrix, 2 vol. % disseminated pyrite. Core is fractured and broken over most of this section. Contains 60 vol. % carbonaceous mudstone clasts.									
32.2 - 38.4	ARKOSIC GRITSTONE Green-grey, contains 40 vol. % feldspar crystals .5 - 3 mm, average 1.0 mm. Significant pyrite content 2-5 vol. %, average 3%. Black angular mudstone clasts form 1 vol. % of core, 1-6 mm subangular 32.2 - 33.6 very fractured and broken in this section - crushed, probable fault 36.0 - 38.4 " " "									

Drill Hole Record



Property	FIN	District	Hole No.	F84-11
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
38.4 - 44.8	ARKOSIC SANDSTONE Greenish grey, coarse grained, with 5-10 vol. % feldspar phenoclasts 1-2 mm in diameter. 3-5 vol. % pyrite, weakly limy with 1-5 vol. % calcite. Core is fractured along the entire section. 43.3 - B/CA = 75 ⁰				
44.8 - 73.0	IMPURE QUARTZOSE SANDSTONE Black, coarse-grained, contains spotty white quartz grains, .5 - 1 mm, which form 10-20 vol. % of core. Quartz grains are set in a matrix of black mudstone and silica, rock is very hard. Pyrite content 3-5 vol. %. Locally there are 5-10 vol. % feldspars (.5 - 1 mm) in addition to quartz. The section is also made up of 30-35 vol. % mudstone clasts, 20 volume % matrix silica and 20 vol. % matrix mudstone and 3 vol. % pyrite. 51.0 - B/CA = 65 ⁰ 52.9 - 55.4 very fractured and broken (note 53.34 - 53.95 core ground only 25 cm recovered). 58.5 - 65.0 medium grey color, limy 1/2 - 1 % calcite but 25-75 cm light grey bands carry 20 vol. % calcite. 65.0 - 73.0 core becomes blacker with increasing carbon content 65.4 - B/CA = 70 ⁰ 66.0 - 69.5 fractured and broken				
73.0 - 83.0	SILTY MUDSTONE and SILTSTONE Dark grey to black, contains 80 vol. % mudstone, 20 vol. % grey siltstone. Core is not color				

Drill Hole Record



Property	FIN	District	Hole No.	F84-11						
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates			True Brg.	Logged by						
Objective			% Recov.	Date						
Metres from To	Description	Interval	Recovery	Zn ppm	Pb ppm	Claim	T Brg.	Collar Dip	Elev.	Length
73.0 - 83.0	banded. Mudstone beds 1 mm - 5 cm, average 3 cm, indistinct. Siltstone laminations 1-5 mm, average 1 mm. No pyrite visible. Rocks are soft - easy to scratch.									
(cont'd)										
	73.1 - B/CA = 66°									
	73.2 - 73.8 thin quartz veins - 4mm average, 2mm - 1 cm, forms 30 vol. % of core - faulted zone									
	74.1 - 74.7 thin quartz veins and 4 cm quartz band with 5 vol. % tan weathering carbonate.									
	77.7 - B/CA = 68°									
	79.0 - B/CA = 68°									
	80.6 - B/CA = 76°									
	81.1 - B/CA = 65°									
83.0 - 84.7	GRITSTONE and POLYMIC TIC PEBBLE CONGLOMERATE									
	White-black, core is broken into plates .5 - 1 cm thick along carbonaceous mudstone laminations.									
	Quartz and chert grains 1-5 mm, average 1 mm, form 57 vol. % of core. Black mudstone clasts, 1 mm - 3 cm, form 35 volume % of core. Pyrite averages 3 vol. %, 0.25 vol. % as disseminated grains and 2.75 vol. % as blebs 1-5 mm. The black soft carbonaceous mudstone beds range .1 mm to 5 mm thick, average .5 mm, and are continuous to disrupted; these bands are very carbonaceous with a graphitic sheen, and are conductive but the unit as a whole is non-conductive.									
84.7 - 99.0	BLACK SILICEOUS CARBONACEOUS MUDSTONE	84.7 - 86.4		190	25					
	Mudstone - black, hard, siliceous and carbonaceous, 95 vol. % of core. There are grey silty layers of 0.05 mm quartz grains (radiolarians?) with 3 % pyrite (framboidal). The suspended white rounded quartz grains and pyrite form 5 vol. % of core.	86.4 - 90.5		1,840	38					
		90.5 - 91.4		59,900	427					
		91.4 - 92.9		196	49					

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	Hole No.	F84-11	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-11 Sheet 5
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates			True Brg.	Logged by						
Objective			% Recov.	Date						
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm					
84.7 - 99.0	87.2 band 1 cm thick with 5-7 vol. % disseminated pyrite.	92.9 - 94.1		74	31					
(cont'd)	90.5 band 1 cm thick with 5-7 vol. % disseminated pyrite.	94.1 - 95.1		77	52					
	90.5 - 90.55 rounded pebbles - cave into hole? (carbonaceous gritstone and till)	95.1 - 96.6		6,630	41					
	90.55 - 91.4 grey silty soft mudstone, beds 1mm - 2 cm, average 1 cm thick. Contains several	96.6 - 97.2		5,960	42					
	2mm tan brown beds with 20 vol. % calcite, 15 vol. % quartz, and 60 vol. % brown	97.2 - 98.2		24	42					
	waxy microcrystalline mineral - probably sphalerite.	98.2 - 99.9		57	34					
	92.6 pyritic bands - 2 bands each 1 mm thick with 30 vol. % pyrite, 70 vol. % quartz. B/CA = 94°									
	93.0 - 93.1 quartz band with 10% calcite, intersects core at sub-parallel angle to axis then runs									
	parallel. Band is 4-6 mm thick and distorted.									
	94.75 - B/CA = 73°									
	95.5 - 95.7 SPHALERITE - identification not certain (but confirmed by assay), brown micro-									
	crystalline layers in a 2 - 6 mm broken band with 10 vol. % disseminated and fracture									
	controlled pyrite set in a siliceous mudstone. Sphalerite framboids are too fine to									
	see, even microscopically, but the color and luster suggest 4 vol. % sphalerite over									
	2 cm. Core broken in this zone.									
	96.6 - B/CA = 80°									
	97.09 SPHALERITE - 1 mm disseminated sphalerite, 3 vol. %, framboidal, wispy, light tan									
	brown. The core is in 5 mm plates along this section, possible loss of mineralization									
	in the drill cuttings. Core recovery here is (0.2m/0.6m x 100) = 33%.									
	97.13 - 97.20 SPHALERITE - disseminated in limy siliceous layers interbedded with carbonaceous									
	siliceous mudstone. Sphalerite approximately 3 vol. % as fine spots (framboids?)									
	approximately 0.05 mm in diameter or less, within wispy bands that are light to tan									

Scale

Contour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-11					
Commenced		Location	Tests at	Hor. Comp.					
Completed		Core Size	Corr. Dip	Vert. Comp.					
Co-ordinates			True Brg.	Logged by					
Objective			% Recov.	Date					
Metres	Description	Interval	Recovery	Zn ppm	Pb ppm	Claim	T Brg.	Collar Dip	Elev.
From To									
84.7 - 99.0	brown, 2 mm thick and often contorted to clots 5 mm in diameter but sphalerite								
(cont'd)	content is constant within these (3 vol. %). Wisps and bands carry 5 vol. % pyrite								
	as .1 mm brassy crystals, plus 30 vol. % calcite and 62 vol. % silica.								
	This section averages 35 vol. % calcite.								
	The whole section is black with the sphalerite zones visible as light brown spots in								
	wispy bands when wet. The limy siliceous sections are dark grey.								
99.0 - 139.5	BLACK CARBONACEOUS SILICEOUS MUDSTONE with lesser GREY SILTSTONE	132.2-133.2		127	57				
	Mudstone - black, carbonaceous, moderate to very siliceous, 70-80 vol. % of core, beds 1mm - 5cm	133.2-133.7		20	45				
	average .5 cm thick, trace to 1 volume % disseminated pyrite, average 0.5 vol. %.	133.7-135.8		33	39				
	Siltstone - grey to black, 30-20 vol. % of core, beds 2 mm - 3 cm, average .5 cm, composed of	135.8-136.1		2,910	182				
	tiny rounded quartz grains .05 mm to submicroscopic in diameter. Trace to 3 vol. %	136.1-137.1		632	359				
	disseminated pyrite, average 0.5 vol. %. Occasional limy bands of 1-5 vol. % calcite	137.1-138.1		300	63				
	over 2 mm - 3 cm. This unit is a moderate to excellent electrical conductor.	138.1-139.1		141	74				
	99.0 - 115.9 core broken into 1 cm plates	139.1-139.5		3,240	95				
	100.4 pyrite band, 1 mm thick, 40 vol. % pyrite								
	100.5 - 100.55 pyrite bands, 1 cm of 30 vol. % disseminated and 1 cm of 70 vol. % disseminated.								
	B/CA = 83°								
	100.6 pyrite band, 30 vol. % disseminated over 1 cm								
	101.1 - 102.2 grey silty bands 4 mm thick with 2 mm black mudstone bands containing 5 vol. %								
	pyrite.								
	102.2 - 103.1 core very broken								

Drill Hole Record



Property	FIN	District	Hole No.	F84-11
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. F84-11 Sheet 7
-------	--------	------------	-------	--------	-------------------------

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
99.0 - 139.5	104.9 - B/CA = 82°				
	105.0 pyrite stringer, 2 mm thick and 1 mm quartz band parallel to parting.				
	105.1 pyrite band, wispy 2 cm thick, 15 vol. % pyrite.				
	105.5 - 107.3 core very broken				
	106.6 pyrite band, 5 mm thick with 40 vol. % pyrite in silica matrix.				
	107.3 - 107.35 grey siliceous siltstone with 20 vol. % disseminated pyrite.				
	108.21 - 110.03 core ground, very poor recovery(20 cm/				
	110.3 - 111.56 core ground, only chips and some gouge, recovery poor (40 cm/				
	111.56 - 112.17 core ground, only chips, recovery poor (15 cm/				
	112.17 - 112.78 core ground, only chips, recovery poor (20 cm/				
	112.78 - 113.79 core ground, only chips, recovery poor (15 cm/				
	113.79 - 114.61 core very broken				
	113.79 - 113.9 chips				
	114.0 - 114.2 gouge - fault				
	115.9 - 122.2 silty mudstone interbedded with mudstone				
	color banded, grey to dark black, very siliceous, good conductor, rocks are generally uniform and non-descript; core is broken along mudstone beds into plates 1 mm - 2 cm average 1 cm thick. All beds show microfaults of several cm displacements along shear planes along entire section.				
	Mudstone - black, very carbonaceous, very siliceous, 25 vol. % of section, beds 1mm - 1 cm average 3 mm thick, traces to .25 % disseminated pyrite.				

Scale

Colour Plot
A D 02

Drill Hole Record



Property	FIN	District	Hole No.	F84-11
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres From To	Description	Interval	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-11 Sheet 8
99.0 - 139.5 (cont'd)	Silty mudstone - grey, very siliceous, 75 vol. % of section, beds 5 mm - 1 cm, average 7mm thick, contains 20-30 vol. % fine white quartz grains less than .1 mm diameter .25 - 1 vol. % pyrite, average .5 vol. %, weakly limy 1-5 vol.% calcite.							
	117.0 - B/CA = 82°							
	119.3 - 119.5 core ground Recovery							
	119.7 - 119.85 core ground Recovery							
	120.6 - B/CA = 82°							
	121.1 - 121.15 cherty pyritic zone; 2 light grey siliceous bands, 2 cm thick, weakly laminated with 3 vol. % calcite and 5 vol. % pyrite in fractures and blebs .5 - 1 mm in diameter.							
	121.4 calcite band, 2 cm thick, white							
122.2 - 132.3	mudstone interbedded with silty mudstone							
	beds 2 mm - 1 cm, average 4 mm thick, boundaries indistinct, siltstone is wispy							
	mudstone - black, very siliceous, 80 vol. % of core							
	silty mudstone - grey, siliceous, 20 vol. % of core							
122.23 - 122.27	limy zone, 20 vol. % calcite forms grey siliceous matrix to							
	1 vol. % disseminated pyrite as .5 mm euhedral crystals.							
	Abundant micro-faulting and contorted broken pieces in this							
	section. White quartz grains .05 mm in diameter compose							
	5 vol. % of core here.							

Scale

Colour Plot
& Dip

Drill Hole Record

Property	FIN	District	Hole No.	F84-11
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. F84-11 Sheet 9
-------	--------	------------	-------	--------	-------------------------

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
99.0 - 139.5 (cont'd)	122.9 - 122.94 limy siliceous siltstone - 20 vol. % calcite, 5 vol. % disseminated pyrite as .01 mm crystals, silica as white .05 mm grains form 10 vol. % of section. Color very black to dark grey. Microfaults seen where grey siltstone is rounded by shear plane displacement along carbonaceous layers (10 vol. % carbonaceous component as thin layers).				
	123.4 - 123.9 poor recovery = 15 cm/50 cm = 30%				
	123.95 - 123.99 same as 122.9 - 122.94				
	123.99 - 124.06 core ground to little chips 2 mm in diameter. Recovery =				
	123.0 - 127.7 core very broken to chips and plates .5 cm thick				
	126.5 - 127.3 gouge - fault				
	127.6 - 128.3 black siliceous carbonaceous mudstone - beds 5 - 10 cm average 8 cm thick, very fine-grained, 1 vol. % disseminated pyrite as .05 mm crystals. Siltstone component as bands 4 mm thick with 5-10 vol. % pyrite, 40 vol. % fine quartz grains.				
	122.2 - 132.3 mudstone interbedded with silty mudstone				
	128.0 - B/CA = 73°				
	131.1 grey silty band 1 cm thick with 4 mm band of 5 vol. % disseminated pyrite.				
	131.5 pyrite as 1 cm band of 80 vol. % mainly in 4 mm band within a siliceous zone.				
	132.3 - 139.5 mudstone with minor silty mudstone				
	mudstone - 90 vol. % black, siliceous carbonaceous mudstone, beds 4mm - 5 cm, average 1 cm thick.				

Drill Hole Record



Property	FIN	District	Hole No.	F84-11
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
99.0 - 139.5 (cont'd)	Silty mudstone - 10 volume %, grey, wispy disseminated layers of tiny quartz grains, beds average 4 mm thick. The beds show contortions by microfaults and are broken along small slip planes.				
	133.0 SPHALERITE grain - 1 grain, 1 mm in diameter, hosted by a 1 cm thick silty band that carries 5 vol. % pyrite recrystallized in a 1.5 mm layer. The silty band is enclosed by black siliceous carbonaceous mudstone with 1-2 vol. % finely disseminated microcrystalline pyrite.				
	133.2 - 133.3 pyrite, 6 vol. % remobilized into fractures parallel to foliation				
	133.6 - 133.75 pyrite, 15 vol. % along contorted foliation planes with black carbonaceous mudstone and grey speckled mudstone with tiny rounded white quartz grains.				
	133.65 SPHALERITE - 1 grain, 1 mm in diameter B/CA = 65°				
	134.7 - 134.75 limy carbonaceous mudstone with 20 vol. % white siliceous siltstone clasts and 15 vol. % calcite in the matrix. Clasts average 5 mm in diameter over the 5 cm section.				
	135.0 - 135.15 grey chert, 95 vol. % with 1 vol. % carbonaceous laminations .1 mm thick, and 4 vol. % pyrite that is fracture controlled. Pyrobitumen occurs in trace amounts along fractures.				
	135.8 - 136.3 SPHALERITE - framboidal disseminated tan colored sphalerite in 2 x 7 mm wisps or 2-5 mm bands. Associated with a soft non-calcareous mineral (barite?). Average sphalerite content over 50 cm section is				

Scale

Colour Plot
A Dip

Drill Hole Record



Property	FIN	District	Hole No.	F84-11
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
99.0 - 139.5 (cont'd)	estimated at .1 vol. %. Hosted by very carbonaceous mudstone with 5 vol. % super fine-grained pyrite. Beds are all foliated and micro-faulted, .5 cm thick, mudstone very black, silty mudstone grey-black.				
	135.8 - 136.0 .5 vol. % sphalerite in thin bands and wisps over 20 cm.				
	136.0 - 136.05 limy fractures .1 mm thick carry 5 vol. % calcite				
	136.1 GALENA band - band 1.5 mm wide cuts 1/2 piece of core, 5 vol. % over 2 cm but restricted vein, carries .5 vol. % sphalerite, is encapsulated locally by quartz but the vein is not. Note: this is the only galena seen in this hole.				
	137.55 SPHALERITE - 0.25 vol. % over 2 cm, grains less than .1 mm in diameter, tan brown to grey band .5 mm thick with disseminated sphalerite plus sphalerite in tiny fractures around a grey silty band. N.B. the sphalerite is nearly impossible to distinguish from the very fine grained rounded quartz grains also scattered through the mudstone in this section.				
	137.6 - B/CA = 73°				
	138.8 - B/CA = 65°				
139.5 - 164.75	SILTY MUDSTONE	139.5-141.0		1,350	68
	Soft grey mudstone, beds indistinct, 1-50 cm average 5 cm thick. Interbedded with carbonaceous	163.5-164.3		438	39
	mudstone beds that form 25 vol. % of core in beds 2 mm - 1 cm average 5 mm thick. Pyrite averages	164.3-164.7		629	29
	5 vol. % as disseminated microcrystals, up to 10 vol. % pyrite over 5 mm in the carbonaceous				
	mudstones. The section is not color banded but structures such as microfaults and small-scale				

Scale

Contour Plot
& Dip

0

Drill Hole Record



Property	FIN	District	Hole No.	F84-11					
Commenced		Location	Tests at	Hor. Comp.					
Completed		Core Size	Corr. Dip	Vert. Comp.					
Co-ordinates			True Brg.	Logged by					
Objective			% Recov.	Date					
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm	Claim	T Brg.	Collar Dip	Elev.
139.5 - 164.75	folds over 1m are visible.								
	141.0 - 144.3 small silty bands .5 mm - 1 cm, average 1 mm thick form 5 vol. % of core.								
	141.9 - B/CA = 75°								
	142.2 quartz band, 2 cm thick with 5 vol. % calcite								
	143.85 - 143.95 - gouge - fault								
	144.3 - 146.3 core very broken								
	145.1 - 146.3 gouge - fault								
	146.8 - B/CA = 60°								
	149.9 pyrite as 1 cm band of 60 vol. %								
	150.3 - B/CA = 60°								
	152.3 - 152.4 gouge - fault								
	156.2 - 160.63 core very broken								
	157.4 - 157.6 gouge								
	159.4 - 159.5 gouge								
	160.1 - 160.5 gouge								
	162.6 - B/CA = 85°								
	162.8 - 163.5 core very broken, section 40 vol. % of gouge								
	164.35 - 164.75 transition zone from grey silty mudstone to a black mudstone								
164.75 - 171.25	BLACK SILICEOUS CARBONACEOUS MUDSTONE	164.7-165.8		597	32				
	Limy sections common with .5 - 2 vol. % calcite disseminated in matrix. Pyrite content averages	165.8-166.8		377	23				
	1/2 vol. %, .25 % as disseminated microcrystals and .25% as blebs .5-2 mm, average 1 mm in	166.8-167.7		634	20				
	diameter. Beds are indistinct, often greater than 10 cm thick. Core recovery is good for this	167.7-168.7		701	22				

Scale

Colour Plot
& Data

Drill Hole Record



Property	FIN	District	Hole No.	F84-11
Commenced	Location		Tests at	Hor. Comp.
Completed	Core Size		Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres From To	Description	Interval	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
164.75 - 171.25	entire section. This section is a good electrical conductor.	168.7-169.7				681	21		
	165.85 grey limestone clast 4 cm in diameter.	169.7-171.2				480	19		
	166.15 - B/CA = 55°								
	166.3 - 166.4 core ground								
	167.2 - 167.3 grey silty mudstone clasts in siliceous black mudstone with 2 vol. % pyrite.								
	167.7 - 167.8 pyritic zone - 20 vol. % pyrite as framboids mainly microcrystalline but 1 vol. % as blebs .5 mm in diameter. Rock is moderately siliceous and contains 2 vol. % calcite.								
	167.8 - 167.9 limy breccia, with 10 vol. % disseminated pyrite and 10 vol. % as blebs and bands 4 - 8 mm thick. Fossils in this section - ammonites?								
	168.1 - B/CA = 30°								
	168.8 - 169.3 core broken and crushed to mush but recovery good.								
	170.8 - 171.1 core broken and crushed to mush but recovery good.								
171.25 - 175.4	SILTSTONE								
	Soft grey silty mudstone to siltstone, beds 1mm - 2 cm thick, average 1 cm. Black carbonaceous mudstone layers 2 mm thick form 2 vol. % of section. Rocks are non-conductive here.	171.2-171.5				224	16		
	172.25 - 173.2 core very broken								
	173.2 - 175.4 core shattered to small chips of 3 mm size.								
	174.8 - 175.0 gouge								
	175.3 - 175.4 gouge								

Drill Hole Record



Property	FIN	District		Hole No.	F84-11
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Elevation from to	Description	Interval	Claim	T Brg.	Collar Dip	Elev.	Length
			Recovery			Zn ppm	Pb ppm
175.4 - 191.09	POLYMICITIC CONGLOMERATE, GRITSTONE, SANDSTONE						
	Sequence of coarse clastic sediments that grade from pebble conglomerate to gritstone to sandstone, and occasionally to siltstone-mudstone. The sequences average 1 m in thickness, are grey colored and clasts are derived from a similar source rich in silica, chert and siliceous siltstone. Conglomerates are composed of dominantly white grey chert pebbles, 5 mm - 1 cm along long axis, with lesser grey siltstone and rare black mudstone clasts. Conglomerates are closed framework and the pebbles are aligned parallel to bedding.						
	175.4 - 176.0 grey quartzose sandstone - coarse-grained, 50 vol. % chert grains to .5 mm diameter, 30 vol. % quartz grains, 20 vol. % black mudstone grains.						
	175.6 - B/CA = 60°						
	175.7 - 176.0 white quartz vein 4 mm - 2 cm thick, 40 vol. % of core, at 60° to axis						
	176.0 - 177.0 grey gritstone - chert clasts up to 6 mm, average 3 mm in diameter. Clasts mainly chert and quartz with only 5 vol. % mudstone, subangular to rounded.						
	176.22 - 176.42 chert pebble conglomerate and a 2 cm thick quartz vein						
	177.0 - 177.6 grey sandstone - medium grained quartzose sandstone with 10 vol. % mudstone grains						
	177.4 - 177.6 - white quartz vein 1 - 2 cm thick, 75° to core axis						
	177.6 - 178.65 grey gritstone - chert and minor grey siliceous siltstone clasts up to 5 mm average 3 mm in diameter, in a grey quartzose matrix, 2 vol. % pyrite.						

Hole No. F84-11 Sheet 14

Property	FIN	District	Hole No.	F84-11						
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Verl. Comp.						
Co-ordinates			True Brg.	Logged by						
Objective			% Recov.	Date						
					Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-11
Meterage		Description			Interval		Recovery	Zn ppm	Pb ppm	
From	To									
175.4	191.09	178.65 - 181.9 Polymictic conglomerate - grey, fine pebbles, 10 vol. % siltstone, 40 vol. % chert, 5 vol. % mudstone hosted in a grey quartzose matrix. Clasts .4 - 2.5 cm, average .5 cm. Conglomerate has a closed framework with clasts aligned parallel to bedding. Some clasts have very corroded - jagged rims but most are subrounded. Matrix composed of sand-size to grit size quartz grains.								
(cont'd)										
		181.9 - 182.2 grey gritstone								
		182.2 - 182.5 grey sandstone - coarse-grained, quartzose, 20 vol. % black mudstone grains.								
		182.4 - 182.95 grey gritstone								
		182.95 - 183.6 gouge								
		183.6 - 187.7 polymictic conglomerate - 2 vol. % disseminated pyrite, pebbles to 2 cm, average 6 mm, grey quartzose matrix.								
		187.7 - 187.95 grey sandstone - medium grained, 1/2 vol. % pyrite as disseminated grains, 25 vol. % black mudstone clasts								
		187.95 - 188.8 gritstone								
		188.8 - 188.96 grey coarse grained sandstone								
		188.96 - 189.0 soft black mudstone bed. B/CA = 55°								
		189.0 - 189.1 gritstone								
		189.1 - 189.25 sandstone - coarse grained, some grit (15 vol. %) and 10 vol. % black mudstone grains								
		189.25 - 190.3 grey gritstone								

[illegible]

Scale

Colour Plot
& Dip

Drill Hole Record



Property	District	Hole No. F84-11	
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov. 83.8%	Date

Metres		Description Recovery (m)							Sample No.	Length	Analysis				
From	To		From	To	Recovery (m)	From	To	Recovery (m)							
0	9.14	0	53.30	54.00	0.25	94.5	96.6	1.8							
9.14	11.28	0.6	54.00	57.00	2.30	96.6	97.2	0.2							
11.28	14.33	2.7	57.00	60.05	3.05	97.2	99.7	1.85							
14.33	17.37	3.04	60.05	63.40	3.30	99.7	102.7	3.0							
17.37	20.42	2.40	63.40	66.60	3.00	102.7	105.8	2.1							
20.42	21.03	0.15	66.40	69.80	3.30	105.8	108.2	1.5							
21.03	21.64	0.35	69.80	72.85	2.90	108.2	110.0	0.2							
21.64	23.17	1.25	72.85	75.90	2.60	110.0	111.6	0.4							
23.17	24.38	1.50	5.90	77.10	1.20	111.6	112.2	0.1							
24.38	26.52	1.35	77.10	78.60	1.50	112.2	112.8	0.2							
26.52	29.57	3.20	78.60	79.25	0.70	112.8	113.8	0.15							
29.57	31.40	1.55	79.25	81.10	1.85	113.8	114.6	1.3							
31.40	32.60	1.00	81.10	82.60	1.30	114.6	115.8	0.95							
32.60	34.4	1.75	82.60	84.10	1.20	115.8	117.0	1.3							
34.4	35.7	1.30	84.10	86.60	0.75	117.0	118.6	1.3							
35.7	38.7	2.60	86.60	87.20	0.20	118.6	119.5	0.9							
38.7	39.3	0.55	87.20	87.50	0.20	119.5	121.01	1.5							
39.3	41.2	1.85	87.50	89.00	0.40	121.01	122.2	1.05							
41.2	44.2	2.90	89.00	90.50	0.20	122.2	124.1	1.2							
44.2	47.24	3.00	90.50	91.40	0.40	124.1	125.0	0.7							
47.24	50.6	3.30	91.40	93.00	0.95	125.0	125.9	0.7							
50.6	53.3	2.45	93.00	94.50	1.30	125.9	126.5	0							

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No.
F84-11Sheet
R-1

**Colour Plot
& Dips**

Sheet
R-2

211-9437



Drill Hole Record

Property FIN District WATSON LAKE M.D. Hole No. 84-12
 Commenced July 19, 1984 Location YUSEZU River, Yukon Tests at 285.6 m Hor. Comp. 52.60 m
 Completed July 23, 1984 Core Size NQ Corr. Dip -79.5° Vert. Comp. 238.82 m
 Co-ordinates 38+46 N 58+01E True Brg. 283° Logged by RJS
 Objective Test downdip extent of mineralized strata from F84-11 % Recov. 88.5% Date September 18, 1984

Claim FIN 29
 T Brg. 283
 Collar Dip -90°
 Elev. 905 m
 Length 288.65 m
 Hole No. F84-12 Sheet 1

Metres from To	Description	Interval	Recovery	Zn ppm	Pb ppm
0 - 20.73	Overburden and CASING. NO RECOVERY				
20.73 - 83.2	GREEN MUDSTONE, CHERT, and BARITE NODULES	25.3-26.3		42	11
	Mudstone - 65 vol. % of core, green, soft, 5-10 vol. % pyrite over 5 cm as fine disseminations,	42.9-43.9		31	5
	2 vol. % average. 2 vol. % pyrite as recrystallized clusters .5 mm in diameter in	62.6-63.8		22	<4
	1 mm bands with qtz grains. composed dominantly of clay and quartz grains, light				
	yellow-green color. Quartz grains are silt-sized. Mudstone is foliated and exhibits				
	small scale folds over 1-2 m in drill core. Note, this unit is entirely carbon free.				
	Chert - 30 vol. % of core, clean white-grey, contains less than 1 vol. % scattered pyrite				
	spots .1 - 5 mm, average 0.5 mm in diameter. Beds 2 cm to 1.5 m, average 30 cm.				
	Minor coarse grey laminations with trace pyrite 0.1 vol. % carbon. Some bands				
	contain fine white crystals, possibly barite.				
	Barite - 5 vol.% of core, grey-green, nodules are 2 cm in diameter, barite also occurs				
	as bands 1cm thick.				
	This unit is distinctive in color, texture and pyrite content. It correlates with outcrops in				
	the lower reaches of chert creek. Fossils in the chert layers are commonly replaced by pyrite.				
	Pyrite framboids and spots that have a quartz nucleus and round pyrite rim are most common.				
	Some 2-5 mm pieces have a .5 mm nucleus surrounded by 2 mm of massive pyrite rimmed by radiating				
	pyrite - these are obviously fossils replaced by pyrite (ammonite?).				

Scale

Colour Plot
& Print

Drill Hole Record


 Property FIN District WATSON LAKE M.D. Hole No. F84-12

Commenced _____ Location _____ Tests at _____ Hor. Comp. _____

Completed _____ Core Size _____ Corr. Dip _____ Vert. Comp. _____

Co-ordinates _____ True Brg. _____ Logged by _____

Objective _____ % Recov. _____ Date _____

Metres	Description	Interval	Recovery	Zn ppm	Pb ppm
From To					
20.73 - 83.2	20.73 - 24.7 broken and fractured				
	25.7 - B/CA = 60°				
	29.1 - B/CA = 56°				
	33.1 - 49.3 core broken into 1 cm plate parallel to foliation, some finer crushed zone parallel to foliation				
	34.1 - B/CA = 42°				
	38.6 - B/CA = 50°				
	51.0 - B/CA = 50°				
	52.5 - B/CA = 50°				
	53.0 - B/CA = 0°				
	53.4 - B/CA = 65°				
	53.7 - B/CA = 45°				
	54.0 - 54.56 core ground				
	55.7 green cherts first appear but most chert is grey-white, beds 1-2 mm thick				
	58.0 - B/CA = 70°				
	60.6 - 67.2 core is fractured and crushed				
	64.6 - 68.5 grey green chert, massive to thin bedded .5 - 10 cm thick, 2-5 vol. % pyrite in bands .1 to 2 mm thick.				
	64.6 - 66.4 poor recovery, core ground, 15 cm recovered $\frac{15 \text{ cm}}{180 \text{ cm}} = 8.3\%$				
	67.3 - B/CA = 60°				
	71.63 - 73.7 core broken				
	73.6 - 73.7 crushed zone				

 Claim _____
 T Brg. _____
 Collar Dip _____
 Elev. _____
 Length _____
 Hole No. F84-12 Sheet 2

Scale

Colour Plot
& Dips

c

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-12						
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Vert. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
Metres From To	Description					Interval	Recovery	Zn ppm	Pb ppm	Length	Hole No. F84-12 Sheet 3
20.73 - 83.2	78.3 - 82.3 barite nodules, 2-3 cm in diameter, 3 vol. % barite										
(cont'd)											
83.2 - 92.3	CHERTY SILTSTONE										
	Grey, thin bedded, weakly carbonaceous										
	85.0 - B/CA = 73°										
	88.39 - 88.8 core ground, only 10 cm recovered										
	90.5 - B/CA = 78°										
	91.2 - 91.6 conglomerate - pebbles of chert and siltstone, 1 mm - 1 cm, average 6 mm,										
	rounded to subrounded. Clasts appear proximal - derived from										
	underlying lithologies,										
	- matrix composed of grey siltstone to sandstone and gritstone.										
92.3 - 96.2	GREEN-WHITE CHERT interbedded with GREY SILTSTONE					95.0-96.2		81		4	
	Beds 1.5 m thick, average 1/2 vol. % disseminated pyrite.										
	93.7 - B/CA = 80°										
	95.8 - SPHALERITE LAMINATION in green cherty siltstone; sphalerite in a 1 mm lamination in a										
	yellowish band.										
96.2 - 110.3	SILTSTONE										
	Grey, moderately siliceous. Silica content drops over last few metres of section. Beds 4mm -					99.5-100.5		189		9	
	10 cm, average 2 cm, bedding vague. Contains 1 vol. % black mudstone bands, 1 cm thick.					109.1-110.3		174		10	
	103.6 - B/CA = 70°										

Scale

Colour Plot
& Data

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-12						
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. F84-12
											Sheet 4
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm						
96.2 - 110.3	108.8 - 110.35 beds 2 mm - 1 cm, laminated, 1-2 vol. % pyrite										
(cont'd)	109.35 greenish band 6 mm thick with 10% pyrite and 20 vol. % sericite (?)										
	110.1 5 mm band of pyrite and quartz - 60 vol. % pyrite										
110.3 - 116.85	MUDSTONE	110.3-111.3		403	11						
	Black, hard: siliceous and carbonaceous. Good conductor, fine-grained, bedding indistinct.	111.3-112.9		144	9						
	110.1 - 110.35 cherty siltstone, dark grey-carbonaceous	112.9-113.7		77	<4						
	110.35 - 110.6 very carbonaceous siliceous mudstone, 40 volume %. 60% quartz - in broken	113.7-115.3		974	7						
	bands 4 mm - 1 cm, probably a vein. 1- 3 % pyrite, very fine grained.	115.3-116.0		1190	9						
	Core grey-black and crumbly but good recovery.	116.0-116.9		929	12						
	110.6 - 111.35 mudstone - black, foliated, no beds apparent, core broken into 1 cm pieces										
	2% pyrite, mainly in 4 - 7 mm clots and broken 5 mm bands										
	111.0 - B/CA = 79°										
	111.35 - 113.7 Siltstone, silty mudstone, cherty mudstone										
	111.35 - 112.1 Siltstone - grey, moderately siliceous, beds greater than										
	2 cm but indistinct. Bands 1-2 cm of 25% fine-grained										
	disseminated pyrite @ 111.2 - 111.5, total pyrite over 3 cm.										
	Poor to moderately good conductor.										
	112.1 - 112.9 Silty mudstone, grey-black. fine silty laminations to 1 cm										
	black beds - all very faint. Trace - 1/2 % pyrite, average										
	- trace only. Moderate conductor.										

Scale

Contour Plot
A Dip

Drill Hole Record



Property	FIN	District	WATSON LAKE M.D.	Hole No.	F84-12
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
110.3 - 116.85	112.9 - 113.7 Dark grey chert. Contains 5% carbonaceous mudstone as finely disseminated bands and some 1 cm very black cherty beds.				
	112.6 - B/CA = 45°				
	112.95 - 112.97 grey barite bed, chert contains 2-3% pyrite, average .5%, 5% quartz-siderite veinlets 1 mm wide at 45° to core axis throughout chert section. Poor conductor				
	113.3 - 113.6 - between this section are 2 zones of black mudstone with 3-5% disseminated pyrite. The zones are 4-5 cm thick - probable zones of core loss - may have contained more sulfides.				
	113.4 - B/CA = 88°				
	113.5 - 113.62 60% chert, 37% black mudstone, 3% pyrite. .1 mm laminations of chert and mudstone. The sulfide content and laminations are distinctive in this section and may indicate hydrothermal mineralization.				
	113.7 - 116.85 Mudstone - black, carbonaceous, moderately to very siliceous. Excellent conductor. Bedding is indistinct, foliated core breaks into .5 cm plates. Pyrite: .25% disseminated throughout				

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-12	Sheet 5
-------	--------	------------	-------	--------	-----------------	---------

Scale

Colour Plot
A Dip

Drill Hole Record



Property	FIN	District	WATSON LAKE	Hole No.	F84-12						
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Vert. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
Metres		Description		Interval		Recovery		Zn ppm	Pb ppm		
From To											
110.30 - 116.85		section, several 1-2 mm laminae, .1-2mm pyrite blebs and 1cm clots of pyrite									
(Continued)		and quartz raise section average to 1%.									
		113.75 - 2 mm pyrite lamination - 90% pyrite - very fine grained									
		113.90 - 1 mm pyrite lamination - 80% pyrite - very fine grained									
		114.00 - 1 mm pyrite lamination -									
		115.20 - 1 mm pyrite lamination - 60% pyrite, 40% quartz plus 1mm									
		30% disseminated pyrite									
		113.70 - 113.90 core mushy, completely foliated carbonaceous clay, 100% recovery									
		113.90 - 116.90 core broken into chips .5 cm average but sections up to 5 cm intact									
		115.30 - 116.00 black carbonaceous siliceous mudstone, 1/2% pyrite disseminated plus 1% pyrite in 1-2 mm blebs. 10% white quartz fragments (veins) 1 mm - 1 cm, average 1 mm plus .5-1 mm quartz stringers									
		116.00 - 116.85 mudstone with white quartz (+5% calcite) bands and veins 2 mm - 2 cm, average 5 mm. 1% pyrite with the white quartz. The mudstone is very carbonaceous and siliceous but also very broken. The form of the quartz veins suggest that a later tectonic movement produced the distorted bands and vein-lets through remobilization.									
		116.85 - contact B/CA = 40°									

Hole No. F84-12 Sheet 6

Scale

Colour Plot
A Dip

Drill Hole Record



Property FIN District WATSON LAKE Hole No. F84-12

Commenced Location Tests at Hor. Comp.

Completed Core Size Corr. Dip Vert. Comp.

Co-ordinates True Brg. Logged by

Objective % Recov. Date

Metres From To	Description	Interval	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-12 Sheet 7
116.85 - 118.05	ARKOSIC GRITSTONE							
	20-40 volume % feldspar grains, average 35 volume %, 55-75 volume % quartz grains in matrix,							
	2-5 volume % disseminated pyrite, colour light grey to greenish white. Felspars .5-3 mm, average							
	1.0 mm. Core fractured and crumbly.							
118.05 - 138.35	QUARTZO-FELDSPATHIC SANDSTONE							
	20-30 volume % feldspar grains, less than .75 mm, 3% disseminated pyrite. Grey colour.							
	118.05 - 118.80 core very fractured and crushed, 10 cm gouge							
	121.00 - 123.00 feldspar clasts 1-4 mm, average 2 mm, altered to creamy white colour (seri-							
	citized?) sericite content of this section about 5 volume %. Rock is foliated							
	and folded in this section (over 40 cm the foliation goes from 45° to parallel							
	to core axis and ends in a crushed zone at downhole contact.)							
	121.90 - 123.15 core broken along foliation planes							
	123.30 - 123.45 5 volume % calcite							
	123.45 - 123.65 10 volume % calcite							
	127.20 - spec of grey metallic mineral - galena?							
	128.50 - 129.05 black mudstone - ground chips, poor conductor (weak)							
	130.00 - 130.15 black mudstone - 3% pyrite in 2 mm diameter blebs and as 2X3 mm wisps. Weak							
	to moderate conductor							
	131.80 - 132.13 black mudstone, beds 15 cm thick, contains distorted and broken quartz band							
	4 mm thick with trace pyrite. Mudstone has 1% tiny quartz spots (radiolarions?)							
	Good conductor.							

Scale

Colour Plot
& Dip

0

Drill Hole Record



Property	FIN	District	WATSON LAKE	Hole No.	F84-12						
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Vert. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-12 Sheet 8
118.05 - 138.35	131.80 - 132.13 black mudstone, beds 15 cm thick, contains distorted and broken quartz band										
(Continued)	4 mm thick with trace pyrite. Mudstone has 1% tiny quartz spots (radiolarians?)										
	Good conductor.										
	132.13 - 132.90 core broken										
	133.70 - 138.35 sandstone contains 5 volume % feldspars 1-2 mm and 15 volume % feldspars less than .75 mm is a quartzose sandstone matrix, grey siliceous rock, 3-5% average, 3 volume % pyrite as disseminations in matrix										
	135.95 - 136.85 5 volume % calcite										
	138.15 - 138.45 10 volume % calcite										
138.35 - 142.45	ARKOSIC GRITSTONE										
	Grey-green and crumbly with total 45 volume % feldspars (25 volume % in .75-4 mm size range) that are cloudy white, subrounded. The feldspars are not sorted but are suspended in matrix with nearly all touching one another. Core broken and locally crushed over most of section.										
	140.82 - 141.00 core ground										
	141.60 - 141.67 white quartz vein at 70° to axis										
	142.00 - black siliceous siltstone clast 5X10 cm, 5 volume % pyrite										
142.45 - 149.90	QUARTZO-FELDSPATHIC SANDSTONE										
	Grey colour, minor (5 volume %) gritty white feldspar clasts. Numerous textures of possible scour marks 1-3 cm thick but no differences in size or sorting of sediments across marks.										

Scale

Colour Plot
A Dips

Drill Hole Record



Property	FIN	District	WATSON LAKE	Hole No.	F84-12						
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Vert. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-12 Sheet 9
142.45 - 149.90	143.50 - 144.80 core broken										
(Continued)	147.40 - 147.80 5 volume % calcite										
	147.80 - 148.30 10 volume % calcite										
	149.00 - 149.90 core broken and fractured, locally crushed in 10 cm sections										
149.90 - 169.75	ARKOSIC GRITSTONE TO COARSE-GRAINED ARKOSIC SANDSTONE	149.1-150.1		608	85						
	Light grey-green 40 volume % feldspars with 20 volume % as crystals .75 to 2mm average 1mm	153.3-154.3		51	23						
	and 20 volume % as finer grained (less than .75 mm) grains in matrix. 55 volume % quartz (grains less than 1 mm), 3-5 volume % pyrite, 1 volume % black mudstone clasts.										
	151.00 - 151.45 5 volume % calcite										
	151.45 - 151.90 10 volume % calcite										
	151.90 - 154.90 core broken and highly fractured										
	155.70 - 160.30 core broken in large pieces										
	154.85 - 159.50 core highly fractured and crushed in 2-10 cm sections										
	160.90 - 161.10 5 volume % calcite										
	163.00 - 169.78 core fractured and broken										
	166.10 - 167.95 core very broken to crushed										
	166.73 - 169.78 carbonaceous matrix material increases from 5 to 15 volume % from grey to black colour										
169.75 - 175.10	MUDSTONE WITH SILTSTONE LAMINATIONS										
	Mudstone - 70% of core, carbonaceous grey to black, beds 1mm - 1.5 cm, average 2mm										

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	WATSON LAKE	Hole No.	F84-12						
Commenced		Location		Tests at		Hor. Comp.					
Completed		Core Size		Corr. Dip		Vert. Comp.					
Co-ordinates				True Brg.		Logged by					
Objective				% Recov.		Date					
Metres	Description					Interval	Recovery	Zn ppm	Pb ppm	Length	Hole No. F84-12 Sheet 10
From To											
169.75 - 175.10	Siltstone - 30%, light grey, carries 10% calcite - most silty bands limy, beds 1-1.0 cm average										
(Continued)	3mm. Section is weak to moderate conductor										
	172.80 - 174.40 carries 60% siltstone laminations										
	Upper section of core is very broken										
175.10 - 195.60	MUDSTONE INTERBEDDED WITH SILTSTONE										
	Mudstone - 55%, dark grey, beds 1mm - 10 cm average 5 cm - but bedding not very distinctive										
	Siltstone - 45%, grey minor silty laminations and beds 2 mm - 15 cm thick, average 2 cm										
	Rock type actually a silty mudstone and is foliated. Trace to ½% pyrite. Weak to moderate conductor.										
195.60 - 214.90	MUDSTONE					203.8-204.8		206	13		
	80% black mudstone with 20% grey limy siltstone beds. Non-conductive. Beds 2 mm - 5 cm, average					214.0-214.9		351	8		
	1 cm thick. Beds and laminations of siltstone 2 mm - 1 cm. Traces of pyrite. Fossils at										
	212.20 and 214.50.										
	214.80 - 214.90 10 cm quartz zone with white quartz and graphite, 1 volume % pyrite.										
214.90 - 238.00	MUDSTONE					214.9-219.1		50	37		
	Black, carbonaceous and siliceous mudstone. Beds 2 mm - 6 cm thick, average 3 cm. Pyrite					219.1-220.2		9	31		
	content 0.25-1%, average .25%. Good conductor.					220.2-221.6		59	31		
	Minor siltstone bands, (10%), siltstone is dark grey with white spots (radiolarians?) and is					221.6-223.4		13	37		
	very siliceous. Bands range 1 mm to 4 mm thick, average 2 cm. the bands are distorted, carry										

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	WATSON LAKE	Hole No.	F84-12
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
214.90 - 238.00	1% disseminated pyrite and trace to 1/2% calcite.	223.4-224.6		40	48
(Continued)	Core recovery is poor throughout most of this section.	224.6-226.0		26	51
	217.90 - B/CA = 63°	226.0-227.1		362	33
	218.00 - 218.10 calcareous silty band	227.1-229.1		892	225
	218.20 - B/CA = 74°	229.1-230.7		12,100	3790
	220.80 - B/CA = 49°	230.7-233.2		9,600	3520
	223.40 - three .1 mm pyrite layers over .75 cm, B/CA = 75°	233.2-234.7		1,100	392
	225.30 - B/CA = 81°	234.7-236.3		8,900	562
	226.30 - B/CA = 80°	236.3-237.2		5,000	227
	224.70 - 226.80 black siliceous carbonaceous mudstone, massive, good recovery pieces 4 mm to 5 cm	237.2-239.0		2,620	115
	This section almost identical to that described above laminated sulphide section				
	in holes F84-2, and in holes F84-1.	229.0-230.7		1.3%	0.40%
	226.5 - Sphalerite - disseminated .5 mm crystals, 1/2 volume %, over 4 mm band	230.7-233.2		1.19%	0.37%
	in black siliceous mudstone. Other grains visible in	234.7-236.3		0.89%	0.05%
	226.50 - 226.80 interval but only trace elements.				
	226.90 - B/CA = 82°				
	229.50 - 230.70 core broken into little chips 1mm - 4 cm, average 1 cm.				
	229.50 - 233.00 3-5% disseminated pyrite in 1-2 cm bands throughout section, average 2% pyrite				
	233.00 - 234.00 silty sub-unit, weak to moderately siliceous (soft), grey to dark grey				
	233.40 - 233.60 silty bands, distorted, with 10% pyrite and 20% calcite,				
	B/CA = 75°				

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-12 Sheet 11
-------	--------	------------	-------	--------	--------------------------

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	WATSON LAKE	Hole No.	F84-12					
Commenced		Location		Tests at		Hor. Comp.				
Completed		Core Size		Corr. Dip		Vert. Comp.				
Co-ordinates				True Brg.		Logged by				
Objective				% Recov.		Date				
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm	Claim	T Brg.	Collar Dip	Elev.	Length
214.90 - 238.00	234.00 - 236.40 moderate to highly siliceous carbonaceous mudstone with 10% pyrite in bands									
(Continued)	.5-1 cm thick, average pyrite content is 2%. Conductive black bands 1 mm - 4 cm thick									
	235.5 pyrite lamination 4mm thick, 40% pyrite, 60% quartz									
	235.9 B/CA = 90°									
	236.0 fossil, 1x2 cm elliptical, 1 mm pyrite rim with a silica core									
	236.4 3 pyrite laminations .5 mm thick, with grey mudstone									
	Core is ground into chips and small grains over 2 cm wide zones at 234.0, 234.3 and 234.5 and probably represent zones of core loss. Section below 235.5 (corrected for loss) appears intact. B/CA = 80°									
	233.78 - 236.83 Recovery = 52%, Shorts = 1.45 m.									
	234.50 - 234.70 black mudstone with 5% pyrite in bands 1 cm thick									
	236.40 - 237.10 unsilicified mudstone, 10% grey siltstone layers, trace to 3% pyrite, 5% calcite									
	minor black siliceous mudstone layers, average 2 cm thick. Non-conductive									
	237.10 - 238.00 black mudstone, moderately to strongly siliceous, 2-3% disseminated pyrite, occasional white quartz grain (radiolarian?), 10% distorted grey siltstone									
	bands 2-5 mm thick moderate to good conductor									
238.00 - 238.74	LAMINATED PYRITE AND SPHALERITE	238.0-238.74		98,100	1,513					
	238.00 - 238.20 black carbonaceous mudstone, highly siliceous, 20% microcrystalline fracture	238.0-238.74		11.6%	0.16%					
	controlled pyrite. Contains grey siltstone bands, deformed and broken, 4-6 mm thick.									

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	WATSON LAKE	Hole No.	F84-12
Commenced		Location		Tests at	Hor. Comp.
Completed		Core Size		Corr. Dip	Vert. Comp.
Co-ordinates				True Brg.	Logged by
Objective				% Recov.	Date

Metres		Description	Interval	Recovery	Zn ppm	Pb ppm
From	To					
238.00	238.74	238.20 - 238.25 grey-white limy bands 6 mm thick, 25% calcite with 4 mm bands of 90% fine grained pyrite plus white quartz grains (radiolarians) set in a siliceous black mudstone matrix.				
		(Continued)				
		238.25 - 238.65 laminated pyrite and sphalerite. Very fine grained, laminations .1 mm to 5 mm grey-brown pyrite and sphalerite. Grade estimate 10% sphalerite				
		238.40 - B/CA = 83°				
		238.65 - 238.68 distorted sphalerite pyrite laminations in mudstone matrix, contains 25% fine-grained brown micro-crystalline sulphides				
		238.65 - 238.74 pyrite 10%, disseminated and in blebs and clusters 1-2 mm thick, and in layers 0.1-1 mm thick, also in fractures cross-cutting core. Host is very siliceous black carbonaceous mudstone with 5-10% calcite and abundant fine quartz grains in distorted bands 4 mm - 1 cm associated with the pyrite. Good conductor.				
		General observations: The pyrite occurs in 2 forms, mainly as framboids less than .05 mm in diameter, and form 90% of the pyrite content, or as euhedral pyrite crystals .25 mm in diameter which form 10% of the pyrite. The rock is very finely laminated with pyrite silica layers .1-2 mm thick, average 1 mm. The framboidal pyrite is microcrystalline and very abundant, forms 65% of volume of core. Sphalerite is mainly interstitial to the framboidal pyrite along fine brown bands, can only rarely see individual crystals. Sphalerite also seen in bands as massive light tan-brown rims along siliceous bands with euhedral pyrite. Framboidal sphalerite observed at bottom of laminated core section in a black siliceous mudstone - 2% disseminated sphalerite over 1 cm. Several dense fine-grained pyrite patches, 2 mm X 1.2 cm, that may be fossils, contained in laminated section; similar to larger versions seen elsewhere in core.				

Scale

Colour Plot
& Dips

Drill Hole Record



Property FIN District WATSON LAKE Hole No. F84-12

Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates	True Brg.	Logged by	
Objective	% Recov.	Date	

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
238.74 - 139.30	MUDSTONE	238.74-239.9		1,810	147
	Grey, black, soft non-conductive, massive.				
	B/CA = 60°				
239.30 - 245.60	MUDSTONE				
	Black, hard, very conductive, carbonaceous and siliceous, generally massive - no bedding visible.	239.9-242.5		1,350	58
	20% distorted grey-black bands of quartz grain rich (radiolarian) layers. 1-5% disseminated	242.5-244.0		8,340	1,840
	pyrite, average ½%.	244.0-245.6		1,740	767
	244.15 - 1 cm band of 10% disseminated pyrite	242.5-244.0		0.92%	0.21%
	245.10 - 245.15 white calcareous spots, fossils?, 1x2 mm, often filled with pyrite. Similar to those described in hole F84-1. .5 cm pyrite band here 50%.				
	B/CA = 80°.				
	245.15 - 245.40 carbonaceous mudstone with 2-4 mm angular to rounded clasts of grey siltstone - broken up as if disturbed by faulting at time of sedimentation.				
245.60 - 253.70	SILTSTONE AND MUDSTONE	245.6-246.7		103	69
	Siltstone 55%. Bed: thickness 1 mm - 8 cm, average 2 cm. Grey, massive beds.	246.7-247.5		635	312
	Mudstone 45%. Bed thickness 1 mm - 1 cm, average <1 cm. Very carbonaceous. Black and soft.	247.5-248.8		1,050	389
	Weak to moderate conductor.	248.8-250.0		1,900	326
	247.50 - B/CA = 70°	250.0-251.0		325	104
	248.50 - laminae of disseminated pyrite .5 mm thick in mudstone.	251.0-252.0		269	156
		252.0-253.7		275	108

Claim
T Brg.
Collar Dip
Elev.
Length
Hole No. F84-12 Sheet 14

Scale

Colour Plot
A Dips

Drill Hole Record



Property	FIN	District	WATSON LAKE	Hole No.	F84-12						
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. F84-12 Sheet 15
Metres	Description	Interval	Recovery	Zn ppm	Pb ppm						
From To											
245.60 - 253.70	248.80 laminae of disseminated pyrite .5 mm thick in mudstone - disrupted.										
(Continued)	249.40 - B/CA = 70°										
	250.60 - 250.90 grey silty and limy section, 8% disseminated pyrite, 2% calcite.										
	251.50 - B/CA = 74°										
	253.20 Elliptical structure of .1 mm white crystals (dolomite - weak efforvesence) form										
	a 2 mm halo around a 2X3 cm core of black siltstone.										
	253.30 - B/CA = 65°										
253.70 - 255.40	MUDSTONE	253.7-254.6		944	40						
	Very black, hard; carbonaceous and siliceous. Excellent conductor. No bedding apparent, entire	254.6-255.4		890	41						
	section is massive. 1-5% pyrite, average .5%. Pyrite in blebs and masses 1-2 mm in diameter										
	or in elongated structures (fossils, concretions, or clasts?) 2 mm X 2 cm. Contains traces of										
	0.25% of minute white quartz grains (radiolarians)										
	253.8 calcareous, pyritic and quartz blebs 2 mm in diameter.										
	254.2 pyrobitumen layer, 1 cm thick. Fracture controlled, 40% pyrobitumen, 20% calcite, 40%										
	quartz in veinlets 4 mm thick, 4 cm long parallel to the core axis.										
	254.5 pyrite concretion, 4.5 X 8 cm, 95% very fine grained pyrite plus 5% fibrous quartz, 1%										
	calcite.										
	255.4 contact marked by white quartz bands and siltstone breccia in a quartz plus 5% calcite										
	matrix. Fragments average 1 cm in diameter, are angular and form 20% of core over 5 cm.										
	B/CA = 62°										

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	WATSON LAKE	Hole No.	F84-12
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 F84-12 Sheet 16

Metres		Description	Interval	Recovery	Zn ppm	Pb ppm
From	To					
255.40	264.85	SILTSTONE INTERBEDDED WITH MUDSTONE	255.4-256.5		324	21
		Siltstone, 70% - Beds 1 mm - 5 cm, limy, trace - 1/2% pyrite	256.5-257.5		200	19
		- 10% of the siltstone beds have 15% calcite, and are 4 mm - 1 cm thick, Soft.				
		Mudstone, 30% - Beds 1 mm - 6 mm, average 4mm, black trace pyrite. Soft.				
		Brecciated and distorted locally by later tectonism. Folds visible between 263.0 and 264.1.				
		255.7 - B/CA = 70°				
		256.3 - B/CA = 65°				
		257.1 - B/CA = 56°				
		258.1 - B/CA = 45°				
		260.1 - B/CA = 70°				
		263.3 - pyrite concretion 2X8 cm, very fine-grained massive pyrite				
		263.5 - B/CA = 44° - micro-fault in core				
		263.65 - B/CA = 25°				
		264.05 - B/CA = 67° - micro-fault in core				
		264.2 - B/CA = 80°				
264.85	272.60	COARSE SANDSTONE AND GRITSTONE				
		Dark grey, contains %5 very fine carbonaceous grains (.1 - 2mm, average .3 mm) in matrix.				
		Clasts 80% chert 20% black siltstone to mudstone grains				
		Bedding indistinct, massive				
		268.00 - B/CA = 75°				

211-9437

Scale

Colour Plot
& Dips

Drill Hole Record



Property FIN

District

Hole No. F84-12

Commenced

Location

Tests at

Hor. Comp.

Completed

Core Size

Corr. Dip

Vert. Comp.

Co-ordinates

True Brg.

Logged by

Objective

% Recov. 88.5%

Date

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No. F84-12 Sheet 18

Metres		Description Recovered (m)	From	To	Recovered (m)	From	To	Recovered (m)	Sample No.	Length	Analysis					
From	To															
00.0	20.7	0.0	66.4	67.7	1.3	93.0	93.9	0.9								
20.7	23.5	1.6	67.7	68.5	0.8	93.9	96.6	2.4								
23.5	24.7	1.0	68.5	69.2	0.7	96.6	97.8	0.8								
24.7	26.2	1.5	69.2	70.4	1.2	97.8	99.7	1.8								
26.2	28.6	2.4	70.4	71.6	1.2	99.7	102.7	2.8								
28.6	30.5	1.7	71.6	73.5	1.6	102.7	105.8	3.1								
30.5	32.6	2.1	73.5	74.7	1.0	105.8	108.8	2.8								
32.6	35.7	3.1	74.7	76.8	2.1	108.8	111.9	2.75								
35.7	38.7	2.7	76.8	77.7	0.7	111.9	114.91	1.95								
38.7	41.8	3.1	77.7	78.6	0.9	114.91	117.04	1.95								
41.8	44.8	3.0	78.6	80.8	1.9	117.04	120.10	3.10								
44.8	47.8	3.0	80.8	82.6	1.0	120.10	123.10	3.00								
47.8	50.9	3.1	82.6	83.8	1.2	123.10	125.30	2.10								
50.9	53.6	2.7	83.8	85.6	1.7	125.3	127.10	1.80								
53.6	54.6	0.8	85.6	86.9	1.2	127.10	128.60	1.40								
54.6	56.1	1.5	86.9	87.9	1.0	128.60	129.10	0.20								
56.1	57.3	1.2	87.9	88.4	0.3	129.10	132.10	3.00								
57.3	59.1	1.8	88.4	89.0	0.4	132.10	135.20	3.10								
59.1	61.3	2.1	89.0	89.6	0.6	135.20	138.40	3.20								
61.3	62.8	1.5	89.6	90.2	0.4	138.40	140.80	2.40								
62.8	64.6	1.8	90.2	91.8	1.6	140.80	144.10	3.30								
64.6	66.4	0.2	91.8	93.0	1.2	144.10	147.20	3.10								

Scale

Colour Plot
& Dips

Drill Hole Record



Property FIN District Hole No. F84-12

Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates	True Brg.	Logged by	
Objective	% Recov. 88.5%	Date	

Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-12	Sheet 19
-------	--------	------------	-------	--------	-----------------	----------

Metres		Description Recovered (m)	From	To	Recovered (m)	From	To	Recovered (m)	From	To	Recovered (m)
From	To										
147.20	150.3	3.1	210.6	211.5	0.90	244.76	244.76	0.15	285.60	288.6	2.0
150.3	153.3	3.0	211.5	213.9	2.50	245.37	245.37	0.45			
153.3	156.4	3.1	213.9	214.87	0.97	247.20	247.20	1.75	Total Recovery = 237.02 m		
156.4	158.2	1.8	214.87	216.39	0.15	249.03	249.03	1.65			
158.2	160.6	2.4	216.39	216.69	0.00	250.24	250.24	1.00			
160.6	163.7	3.1	216.69	217.91	0.10	251.15	251.15	0.90	Recovery% = Recovered Length x 100		
163.7	166.7	3.0	217.91	219.13	0.50	252.37	252.37	1.10	Total Length		
166.7	169.8	3.1	219.13	220.65	1.20	254.66	254.66	2.30			
169.8	172.8	1.9	220.65	220.98	0.25	256.34	256.34	1.65	= 237.02 x 100		
172.8	175.9	3.1	220.98	222.20	0.60	258.62	258.62	1.80	267.90		
175.9	178.9	3.0	222.20	223.70	0.70	260.91	260.91	2.20			
178.9	182.0	3.1	223.70	224.94	0.60	262.13	262.13	0.90	= 88.47%		
182.0	185.0	3.0	224.94	226.16	0.95	264.26	264.26	2.10			
185.0	188.1	3.1	226.16	227.68	1.30	264.87	264.87	0.50			
188.1	181.1	3.0	227.68	230.73	1.50	264.87	266.40	1.35			
181.1	194.2	3.1	230.73	233.78	1.40	266.40	267.92	1.50			
194.2	197.2	3.0	233.78	236.83	1.60	267.92	270.36	2.40			
197.2	200.3	3.1	236.83	239.88	1.35	270.36	273.41	3.00			
200.3	203.3	3.0	239.88	242.32	0.50	273.41	276.50	3.00			
203.3	205.4	2.1	242.32	242.93	0.30	276.50	279.50	3.10			
205.4	207.9	2.5	243.54	243.54	0.45	279.50	282.60	2.00			
207.9	210.6	2.7	244.15	244.15	0.25	282.60	285.60	3.00			

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	WATSON LAKE	Hole No.	F84-13
Commenced	July 24, 1984	Location	YUSEZU River, Yukon	Tests at	261.5 m
Completed	July 29, 1984	Core Size	NQ	Corr. Dip	-84.5°
Co-ordinates	39+64 N 64+80 E			True Brg.	283°
Objective	To test UTEM anomaly			% Recov.	88.9%
					Date September 25, 1984

Claim	FIN 32
T Brg.	283°
Collar Dip	-90°
Elev.	900 m
Length	264.54 m
Hole No.	F84-13
Sheet	1

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
00.00 - 9.14	OVERBURDEN				
9.14 - 21.95	TILL WITH BOULDERS				
	9.14 - 11.28 gritstone boulder				
	11.28 - 21.95 rounded cobbles of: granodiorite, quartz vein, chert, gritstone				
21.95 - 25.85	CHERT, BARITE, CHERTY SILTSTONE	24.2 - 25.2		270	10
	Green grey chert up to 2-5% siderite. Traces of pyrite. Barite occurs in nodules and layers, average 1 cm thick - forms 5-10% of core volume in this section				
	25.35 - 25.50 calcite rich zone in chert				
25.85 - 29.10	CHERTY SILTSTONE WITH LAYERS OF CALCITE AND SIDERITE				
	Grey, tan weathering. Few nodules of barite (7 cm X 3 cm), grey. Section shows disrupted laminated beds. This section is related to unit above but the minor carbon content colours it grey. Pyrite is present in trace amounts but locally occurs as bands 3-5% over 1 cm, parallel to bedding. Overall this unit is a fine clastic sediment of chert and carbonaceous mud (10%)				
	28.70 - 29.10 laminated brown weathering limy siliceous siltstone.				
29.10 - 54.00	SILTSTONE (90 VOLUME %) MUDSTONE (10 VOLUME %)	35.0 - 35.5		392	10
	Siltstones are dark grey with internal laminations parallel to foliation. Mudstone is black and siliceous but soft black mudstone commonly foliated, fractured and crushed. Cherts are competent but are fractured and veined by a myriad of fine quartz stringers. Siderite veinlets	44.8 - 45.8		103	10

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-13						
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates			True Brg.	Logged by						
Objective			% Recov.	Date						
Metres	Description				Interval	Recovery	Zn ppm	Pb ppm	Length	Hole No. F84-13 Sheet 2
From To										
29.10 - 54.00	weather orange and form 10-20% of the quartz veinlets. Notable are the extensive zones of crushed									
(Continued)	rock 2 m below upper content and for bottom 5 m to lower content.									
	29.10 - 31.50 siltstone; dark grey, massive									
	29.20 - B/CA = 55°									
	30.00 - 30.20 crushed zone									
	31.00 - 31.50 core very badly broken to crushed									
	31.50 - 32.25 mudstone; black, section is crushed and broken									
	32.25 - 33.60 siltstone, grey, contains minor tan weathered carbonate (10% calcite) patches									
	33.60 - 33.80 white quartz vein									
	33.80 - 35.50 mudstone; black, carbonaceous, moderately siliceous, massive									
	33.80 - 35.00 core broken and crushed									
	33.95 - 34.40 gouge									
	35.50 - 37.60 siltstone; dark grey, beds mainly medium thin to medium in thickness (10-20 cm),									
	some laminated sections									
	35.70 - B/CA = 60°									
	37.45 - 37.60 limy section, 20% calcite									
	37.60 - 38.20 mudstone; black, moderately siliceous, carbonaceous									
	37.90 - silty bands, faint brown weathering, 4 mm thick, B/CA = 45°									
	38.20 - 54.50 siltstone; grey to dark grey, thin laminated, .1-2mm locally but overall is									
	massive and non-descript									
	39.30 - 40.00 cherty section - chert beds 2-3 cm thick, veined by siderite									
	veinlets .5 mm thick									

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-13	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No. F84-13 Sheet 3
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates			True Brg.	Logged by						
Objective			% Recov.	Date						
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm					
29.10 - 54.00	39.90 - band of pyrite 1 cm thick (30% pyrite by volume)									
(Continued)	40.00 - 40.10 crushed zone									
	40.10 - 41.20 siltstone, veined by siderite veinlets .5-1 mm thick, 60° to core axis									
	42.06 - 42.20 quartz vein									
	44.60 - B/CA = 60°									
	47.90 - B/CA = 45°									
	49.20 - 49.60 numerous small quartz veins at 45° to 90° to core axis, size ranges .1-2mm, average size .5mm, form 20% of core volume									
	49.90 - 50.60 core broken and rubbly									
	50.50 - 50.60 5% pyrite in bands									
	50.60 - 54.10 siltstone, very broken, contains cherty zones 10-20 cm thick, intact, contains 1% disseminated pyrite									
	53.60 - 54.10 rock is crushed - possible fault zone									
54.50 - 55.00	SANDSTONE									
	Fine grey, sericite laminations .5mm @ 65° to core axis									
55.00 - 93.75	SANDSTONE AND GRITSTONE (ARKOSIC TO QUARTO-FELDSPATHIC)	75.3 - 76.3		64	23					
	Clastic sediment composed of sand and grit sized clasts of quartz and feldspar with 2 volume % of carbonaceous siltstone and mudstone clasts that are occasionally replaced by fine-grained pyrite. Matrix is clay, sericite and fine silica. Pyrite averages 3%. Sericite in rock matrix									

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-13
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres	Description	Interval	Recovery	Zn ppm	Pb ppm
From To					
55.00 - 93.75	gives green tinge but carbonaceous material colours rock grey. Feldspar content averages 30%,				
(Continued)	hence can be called arkosic but probable source is a rhyolite crystal tuff.				
55.00 - 55.90	Sandstone; greenish-white, 70% quartz, 25% feldspars, 5% sericite, 1% disseminated pyrite				
55.00 - 55.40	rock is crushed, possible fault				
55.00 - 55.20	contains 10% carbonaceous material				
55.40 - 56.00	rock is fractured and foliated parallel to core axis				
55.90 - 58.20	Sandstone, quartzo-feldspathic, contains 20% carbonaceous siltstone clasts mainly interstitial to quartz and feldspar grains. Grey colour. 50% quartz, 30% feldspar, grains size up to .5 mm, average .5 mm.				
57.50 - 57.70	core broken, possible fault, no gouge				
58.20 - 64.20	Sandstone, coarse grained, green-grey, quartzo-feldspathic. 55% quartz, 45% feldspar, grain size of feldspar and quartz up to 2 mm but average .75mm. Contains several siltstone clasts 1-3 cm long by .5-1 cm thick subrounded				
59.45 -	B/CA = 55°				
64.00 -	Quartz vein, 2 cm thick, B/CA = 20°				
64.20 - 81.10	Arkosic gritstone				
	Contains 2% black siltstone and mudstone clasts and chert, 1-2 cm diameter, some replaced by pyrite, 40% feldspar, 55% quartz, 3% pyrite. Grains up to 4 mm but average 1 mm.				
81.10 - 93.75	Quartzo-feldspathic gritstone				
	10% feldspar clasts to .75 mm, average .5 mm with 70% quartz, and 10% carbonaceous				

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No. F84-13 Sheet 4

Scale

Colour Plot
& Dip

Drill Hole Record



Property	FIN	District	Hole No.	F84-13						
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates			True Brg.	Logged by						
Objective			% Recov.	Date						
Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm					
55.00 - 93.75	mud and 10% clay in matrix. 3% disseminated pyrite									
(Continued)	81.10 - 81.75 core is crushed									
	90.25 - 90.40 mudstone, clast or layer, broken up within gritstone									
	90.3 - B/CA = 20°									
	Carbonaceous content of matrix increases in this section and									
	colours core grey									
	88.30 - 88.60 core crushed									
	91.80 - 92.10 crushed zone									
93.75 - 96.85	MUDSTONE WITH 20 VOLUME % SILTSTONE BANDS	95.1 - 96.7		291	13					
	Moderately siliceous (hard to scratch), moderately to very carbonaceous. Core is broken into									
	pieces 1mm-3cm, average 0.5cm - broken by hammering. Mudstone beds 2mm-2cm, average 1cm.									
	Mudstone is black, carbonaceous, siltstone bands are light grey and diffuse within the mudstone.									
96.85 - 98.15	SILTSTONE (70 VOLUME %) MUDSTONE (30 VOLUME %)									
	Siltstone laminations, grey, .1 to 1.5 mm, average .3mm, form composite sections of grey silt-									
	stone. Mudstone, black carbonaceous, bands .01-4mm, average .5 mm.									
	Trace to .25% disseminated pyrite.									
	Carbon content in mudstone increases at lower 20 cm near contact.									
	Black and white pinstrip laminations are very distinctive.									
	47.84 - .5cm quartz calcite vein @ 65° to core axis.									

Hole No. F84-13 Sheet 5

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-13						
Commenced		Location	Tests at	Hor. Comp.						
Completed		Core Size	Corr. Dip	Vert. Comp.						
Co-ordinates			True Brg.	Logged by						
Objective			% Recov.	Date						
Metres	Description				Interval	Recovery	Zn ppm	Pb ppm	Length	Hole No. F84-13 Sheet 6
From To										
98.15 - 119.55	SILTY MUDSTONE				100.3-104.3		176	15		
	Grey-black, soft. The mudstone has a greyish shade suggestive of a silty component. Grey limy silt bands, 1mm-1cm, averaging .5 cm form 5 volume % of core. Fossils occur as minor rounded calcareous spots 1mm in diameter - may be crinoids. Pyrite content nil to trace. This section is distinguished by its uniform dark grey colour and diffuse bands of limy silt.									
	98.20 - 98.30 core broken into small chips									
	98.95 - B/CA = 65°									
	102.9 - B/CA = 72°									
	98.60 - 99.00 small quartz veins (1-2mm) with minor siderite, @ 20° to core axis									
	105.8 B/CA = 75°									
	108.05 - 108.55 brown weathering limy siltstone									
	110.30 - 110.50 fault gouge									
	110.80 - 111.40 fault, very broken, chips and some gouge									
	113.20 - B/CA = 70°									
	113.10 - 113.25 wispy limy siltstone bands, grey colour, 0.5cm thick, some fossil debris-crinoids?									
	113.60 - 113.90 broken zone, gouge - possible fault									
	118.55 - calcite band, 1cm thick, @ 80° to core axis									
119.55 - 134.00	MUDSTONE (60 VOLUME %) WITH SILTSTONE BANDS AND WISPS (40 VOLUME %)				127.3-128.3		226	13		
	Mudstone: soft, dark grey to black, beds 2 mm to 5 cm, average 2 cm, contains wispy laminations and diffuse bands of siltstone and silty mudstone									

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-13
Commenced		Location	Tests at	Hor. Comp.
Completed		Core Size	Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres	Description	Interval	Recovery	Zn ppm	Pb ppm
From To					
119.55 - 134.00	Siltstone: usually light grey, locally 2-5% calcite, several tan brown weathering sections containing 10-15% calcite, 2-5cm thick; siltstone beds .5mm-2cm, average .5cm.				
(Continued)	NOTE: This unit is <u>not</u> colour banded.				
	Pyrite content trace, up to 3% over 30 cm				
121.35					
121.70 - 121.75	siltstone layer, brown weathering, 5% calcite, 3% pyrite				
124.10 - 124.14	broken core, possible fault				
124.14 - 124.25	limy siltstone band				
124.15 -	B/CA = 70°				
124.40 - 127.00	silty section, 65 volume % silt, 35 volume % mudstone; weathers white-grey				
	125.10 - 2 cm band of fossiliferous debris (crinoids?)				
130.05 - 130.25	brown weathering limy siltstone section				
130.40 -	1 cm band of fossil debris				
131.10 - 131.20	chips, fault gouge, fault zone (2 cm)				
132.60 -	B/CA = 72°				
132.70 - 132.75	chips, fault zone				
133.10 - 133.90	carbon content increasing, rocks slightly darker, silica content increased to moderately siliceous				
133.90 - 134.10	core very broken and quartz veined, 40% quartz, 60% carbonaceous mudstone				

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No. F84-13 Sheet 7

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-13					
Commenced		Location	Tests at	Hor. Comp.					
Completed		Core Size	Corr. Dip	Vert. Comp.					
Co-ordinates			True Brg.	Logged by					
Objective			% Recov.	Date					
Metres	Description				Interval	Recovery	Zn ppm	Pb ppm	
From To									
134.00 - 134.60	CHERT AND SILTSTONE PEBBLE CONGLOMERATE								
	Clast supported, 75% chert pebbles, average 7 mm diameter, subround to round, 3mm-1.2cm carries								
	trace pyrite. Matrix mainly silica. Colour grey-white.								
134.60 - 142.00	MUDSTONE (70 VOLUME %), SILTSTONE (30 VOLUME %)				136.9-138.4		164	44	
	Mudstone - black, very carbonaceous, siliceous (hard to scratch). Beds .1 mm to 2 cm, average				139.2-140.2		39	43	
	.75 cm								
	Siltstone - very fine quartz grains .05mm to .1mm diameter, (radiolarians?) ½-1% disseminated								
	pyrite grains. Forms bands 1.5mm - 1cm, average 4mm. These spotty white bands in a								
	very black mudstone are similar to those associated with the mineralized zones in								
	other holes.								
	134.60 - 136.25 beds are uniform and undisturbed								
	136.25 B/CA = 73°								
	136.25 - 137.30 broken mudstone, small chips, fault zone								
	137.00 - 137.20 quartz veins parallel to core axis								
	141.10 - 142.00 carbonaceous mudstone - broken and veined by quartz								
	141.10 - 141.60 quartz vein, 6cm thick, 90° to core axis								
	141.60 - 141.80 quartz veinlets 2 mm wide scattered in a highly foliated car-								
	bonaceous rock with a schistose texture								
	141.80 - 142.00 quartz veins, 90° to core axis, .5mm to .75 cm, layers and								
	knots, 2% calcite, veins form 50% of core volume here.								

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-13					
Commenced		Location	Tests at	Hor. Comp.					
Completed		Core Size	Corr. Dip	Vert. Comp.					
Co-ordinates			True Brg.	Logged by					
Objective			% Recov.	Date					
Metres From To	Description				Interval	Recovery	Zn ppm	Pb ppm	
142.00 - 143.20	SILTSTONE (60 VOLUME %) AND MUDSTONE (40 VOLUME %), VEINED BY QUARTZ								
	Dark grey siltstone bands in a black mudstone matrix, bands 1mm-1cm, average .5cm; these show								
	distortion due to abundant microfaulting. Quartz veins 1mm-1cm, average 4mm, cut core at 75° to								
	axis and form 15% of core volume.								
	142.25 - 142.40 mostly massive grey cherty rock, quartzose but not vein quartz, still contains								
	20% mudstone particles - may be a silicified mudstone.								
	143.20 - B/CA = 68°, contact								
143.20 - 190.15	COURSE CLASTIC SEQUENCE - TURBIDITES: SANDSTONE AND GRITSTONE WITH CHERT PEBBLE CONGLOMERATE AND				179.4-180.5		87	8	
	MINOR MUDSTONE BEDS								
	Sandstone to Gritstone: Grey, composed of 70 volume % fine-grained quartz grains, 23% chert								
	clasts and 5% black siltstone and mudstone clasts, 1% siderite, ½% calcite, ½% pyrite. Chert								
	clasts are subangular to rounded, siltstone clasts are rounded. Occasional blue quartz grains								
	but most quartz grains are clear, highly fractured and appear frosted. The entire section of								
	core is very hard. Clast sizes vary up to 3mm but averages <1mm in sandstone and 2mm in grit-								
	stones.								
	Conglomerate: 15 volume % chert pebbles, 4mm-3cm, average 6mm. 5 volume % siliceous siltstone								
	and siliceous mudstone pebbles. Overall colour is grey. Chert pebbles white to grey, siltstone								
	is grey. Trace to 0.25% pyrite. Calcite absent as opposed to grits where it occurs in trace								
	amounts. Clasts are supported by a silica matrix of silt and sand-sized quartz grains.								
	Mudstone: soft, black, beds 4mm-27cm, average 2cm. Not part of a bouma sequence. Siltstone								
	laminations locally, 2-6mm. No pyrite visible.								

Scale

Colour Plot
& Dips

Drill Hole Record



Property	FIN	District	Hole No.	F84-13
Commenced	Location		Tests at	Hor. Comp.
Completed	Core Size		Corr. Dip	Vert. Comp.
Co-ordinates			True Brg.	Logged by
Objective			% Recov.	Date

Metres From To	Description	Interval	Recovery	Zn ppm	Pb ppm
143.20 - 190.15	Faint graded bedding observed locally, indicates tops are upright.				
(Continued)	143.20 - 147.60 gritstone to fine chert pebble conglomerate				
	143.20 - B/CA = 68°				
	143.80 - 146.00 core fractured and broken				
	145.55 - 145.65 bull quartz vein				
	146.60 - 147.60 core broken and crushed				
	147.60 - 176.60 sandstone, gritstone with chert pebble conglomerate beds				
	148.50 - 149.00 gritstone to fine chert pebble conglomerate				
	149.00 - 149.40 core broken				
	150.50 - 151.30 gritstone to fine chert pebble conglomerate				
	150.36 - 150.50 core broken and ground				
	151.40 - B/CA = 65°				
	157.25 - 157.29 black mudstone band, soft				
	158.20 - 159.50 core broken and locally crushed; several small quartz veins .5mm-1cm in crushed zone				
	159.70 - 160.20 fine-grained chert pebble conglomerate				
	160.20 - 160.30 coarse sandstone, 10% disseminated with 1cm mudstone bed included				
	164.40 - 164.45 black siltstone band				
	166.50 - 166.53 black mudstone and siltstone bed				
	169.95 - 170.03 black mudstone and siltstone bed				

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No. F84-13 Sheet 10

Colour Plot & Dips

Hole No. F84-13 Sheet 11

**Colour Plot
& Dips**

[illegible]

Scale

Colour Plot
& Dips

Drill Hole Record



Property FIN District Hole No. F84-13

Commenced Location Tests at Hor. Comp.

Completed Core Size Corr. Dip Vert. Comp.

Co-ordinates True Brg. Logged by

Objective % Recov. 88.9% Date

Metres		Description Recovered (m)	From	To	Recovered (m)	From	To	Recovered (m)	Sample No.	Length	Analysis				
From	To														
00.00	9.14	0.00	60.05	63.13	3.00	99.67	101.50	1.75							
9.14	11.28	1.15	63.13	66.14	2.95	101.50	103.33	1.80							
11.28	14.33	0.15	66.14	59.19	2.85	103.33	105.16	1.75							
14.33	21.95	0.40	69.19	72.24	2.90	105.16	106.99	1.25							
21.95	22.56	0.50	72.24	75.29	3.00	106.99	108.81	1.60							
22.56	24.38	1.50	75.29	28.33	3.00	108.81	110.03	1.00							
24.38	25.91	1.50	78.33	81.38	3.00	110.03	110.64	0.30							
25.91	29.57	3.50	81.83	82.30	1.00	110.64	111.86	1.10							
29.57	31.09	1.50	82.30	84.13	1.90	111.86	112.78	0.75							
31.09	32.31	1.30	84.13	86.26	2.10	112.78	114.99	1.90							
32.31	34.14	1.60	86.26	88.39	2.20	114.99	118.04	3.00							
34.14	36.27	2.20	88.39	90.53	2.10	118.04	121.01	2.70							
36.27	38.10	1.90	90.53	93.57	3.00	121.01	124.14	2.80							
38.10	39.39	1.80	83.57	84.18	0.40	124.14	127.10	3.10							
39.39	40.84	1.10	94.18	94.79	0.50	127.10	130.15	2.85							
40.84	42.06	1.20	94.79	95.40	0.50	130.15	133.20	2.80							
42.06	44.84	2.80	95.40	96.01	0.40	133.20	134.11	0.65							
44.84	47.85	3.10	96.01	96.63	0.60	134.11	136.25	1.10							
47.85	50.90	2.70	96.63	97.23	0.60	136.25	137.77	0.95							
50.90	54.60	2.95	97.23	97.84	0.45	137.77	138.69	0.80							
54.60	57.00	3.00	97.84	98.45	0.65	138.69	139.60	0.80							
57.00	60.05	3.10	98.45	99.67	1.20	139.60	140.82	0.90							

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No. F84-13 Sheet 13

Scale

Colour Plot
& Dips

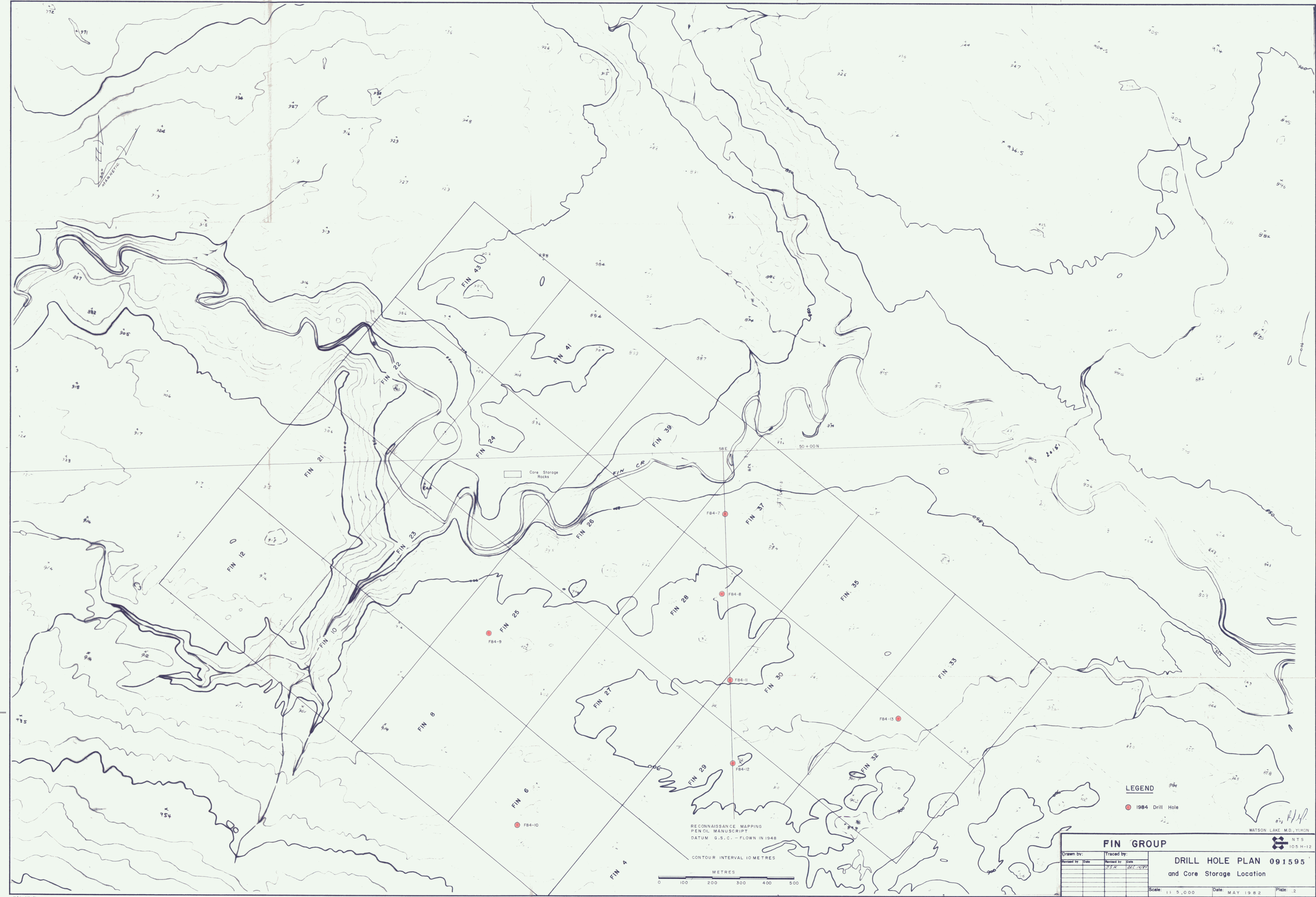
Drill Hole Record



Property FIN District Hole No. F84-13

Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Metres		Description Recovered (m)	From	To	Recovered (m)	From	To	Recovered (m)	Sample No.	Length	Analysis					
From	To															
140.82	141.43	0.50	191.24	194.28	2.90	247.50	249.02	1.50								
141.43	143.26	1.60	194.28	197.34	3.00	249.02	251.62	2.20								
143.26	145.09	1.00	197.34	200.25	2.90	251.62	253.29	1.15								
145.09	146.61	1.70	200.25	203.44	2.90	253.29	254.20	0.70								
146.61	147.83	0.90	203.44	205.74	2.60	254.20	254.81	0.60								
147.83	150.36	1.20	205.74	208.79	2.95	254.81	256.33	1.60								
150.36	151.79	1.50	208.79	211.53	2.60	256.33	258.46	1.80								
151.79	153.31	1.50	211.53	213.81	2.10	258.46	259.68	1.20								
153.31	156.05	2.80	213.81	216.10	2.40	259.68	261.20	1.60								
156.05	159.10	2.90	216.10	217.62	1.10	261.20	262.74	1.50								
159.10	160.93	1.90	217.62	219.75	2.30	262.74	264.54	1.80								
160.93	162.76	1.80	219.75	221.90	2.30											
262.76	164.89	2.10	221.90	223.73	1.80	Total Recovery =										
164.89	166.72	2.00	223.73	224.78	0.90											
166.72	169.77	2.65	224.78	227.69	3.10	Recovery % = Total Recovery x 100										
169.77	172.82	3.10	227.69	230.74	2.65	Total Length										
172.82	175.97	2.85	230.74	233.74	1.10											
175.87	178.92	3.10	233.79	236.84	1.40	= 227.15 x 100										
178.92	181.97	2.95	236.84	239.89	3.00	225.40										
181.97	185.01	2.85	239.89	242.93	3.00											
185.01	188.06	3.05	242.93	245.67	2.85	= 88.94%										
188.06	191.24	3.00	245.67	247.50	1.70											



LEGEND

● 1984 Drill Hole

FIN GROUP

Drawn by:	Traced by:
Revised by:	Revised by:
Revised by:	Revised by:
Revised by:	Revised by:
Revised by:	Revised by:
Revised by:	Revised by:
Revised by:	Revised by:
Revised by:	Revised by:
Revised by:	Revised by:
Revised by:	Revised by:

DRILL HOLE PLAN 091595
and Core Storage Location

Scale: 1: 5,000 Date: MAY 1982 Plate: 2

RECONNAISSANCE MAPPING
PENCIL MANUSCRIPT
DATUM G.S.C. - FLOWN IN 1948

CONTOUR INTERVAL 10 METRES

0 100 200 300 400 500
METRES