84-#86 – 12009

ASSESSMENT REPORT

SILVER QUEEN MINE

OWEN LAKE, B.C.

1983 Surface Diamond Drilling

Claims:	As in text
Mining Division:	Omineca
NTS 93L2	
Latitude:	54° 05' Longitude 126° 44'
Owners:	New Nadina Explorations Ltd. Placer Developments Ltd
Operator:	New Nadina Explorations Ltd.
Contractors:	Foxey Creek Services Ltd. Reid Exploration Services Ltd.
Author:	Robert E. Reid

February 20 1984

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Appendix: DPH Logs and Assay Records

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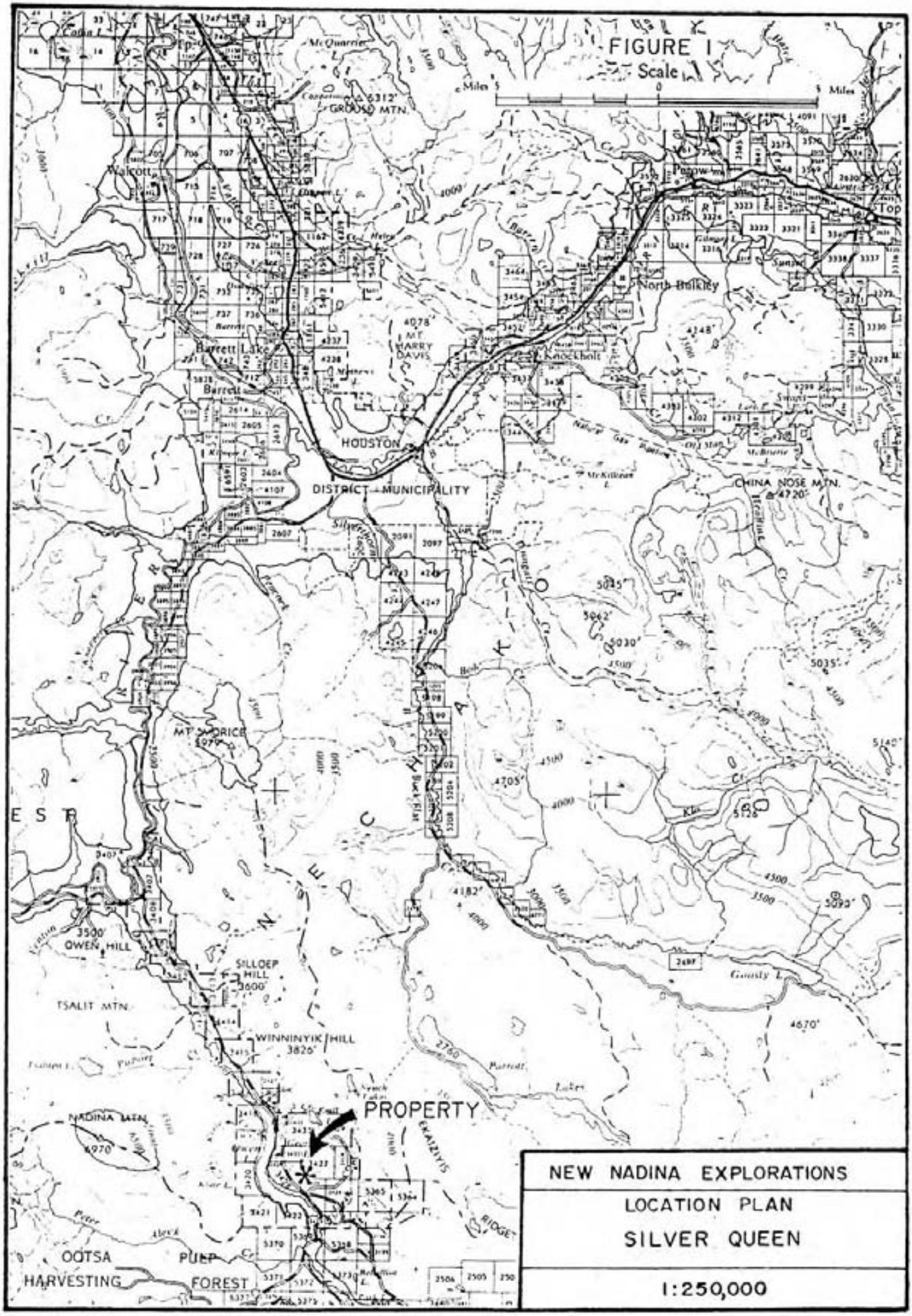


FIGURE 1
Scale
Miles
Walcott
Barrett Lake
Barrett
HOUSTON
DISTRICT MUNICIPALITY
Parrow
North Bulkley
Knockholt
CHINA NOSE MTN.
MT. PRICE
BUCK FLAT CREEK
OWEN HILL
SILLOEP HILL
TSALIT MTN.
WINNINYIK HILL
PROPERTY
NADINA MTN.
OOTSA
HARVESTING
PULP
FOREST
NEW NADINA EXPLORATIONS
LOCATION PLAN
SILVER QUEEN
1:250,000

INTRODUCTION

During the period November 20, 1983 - January 8, 1984 New Nadina Exploration Ltd. completed 6 surface diamond drill holes for a total of 3,405 feet (1,037.84 m) on the Silver Queen property. The purpose of the program was twofold:

(1) To test for south easterly extensions of the Wrinch vein.
(2) Test footwall vein structures accessable from the present mine workings.

Foxey Creek Services Ltd. of Greenwood, British Columbia undertook the drilling contract utilizing a Diamac 261 equipped with both BW 44 standard rods and BQ wireline.

New Nadina supplied room and board for the crew at the Silver Queen Mine site camp.

LOCATION AND ACCESS

The Silver Queen Mine site is located on the north side of Owen Lake 43.5 km from Highway 16 and Houston, British Columbia. Access is via the well maintenained Morice - Owen Forest access road. The site is locally known as the Bradina Mine site.

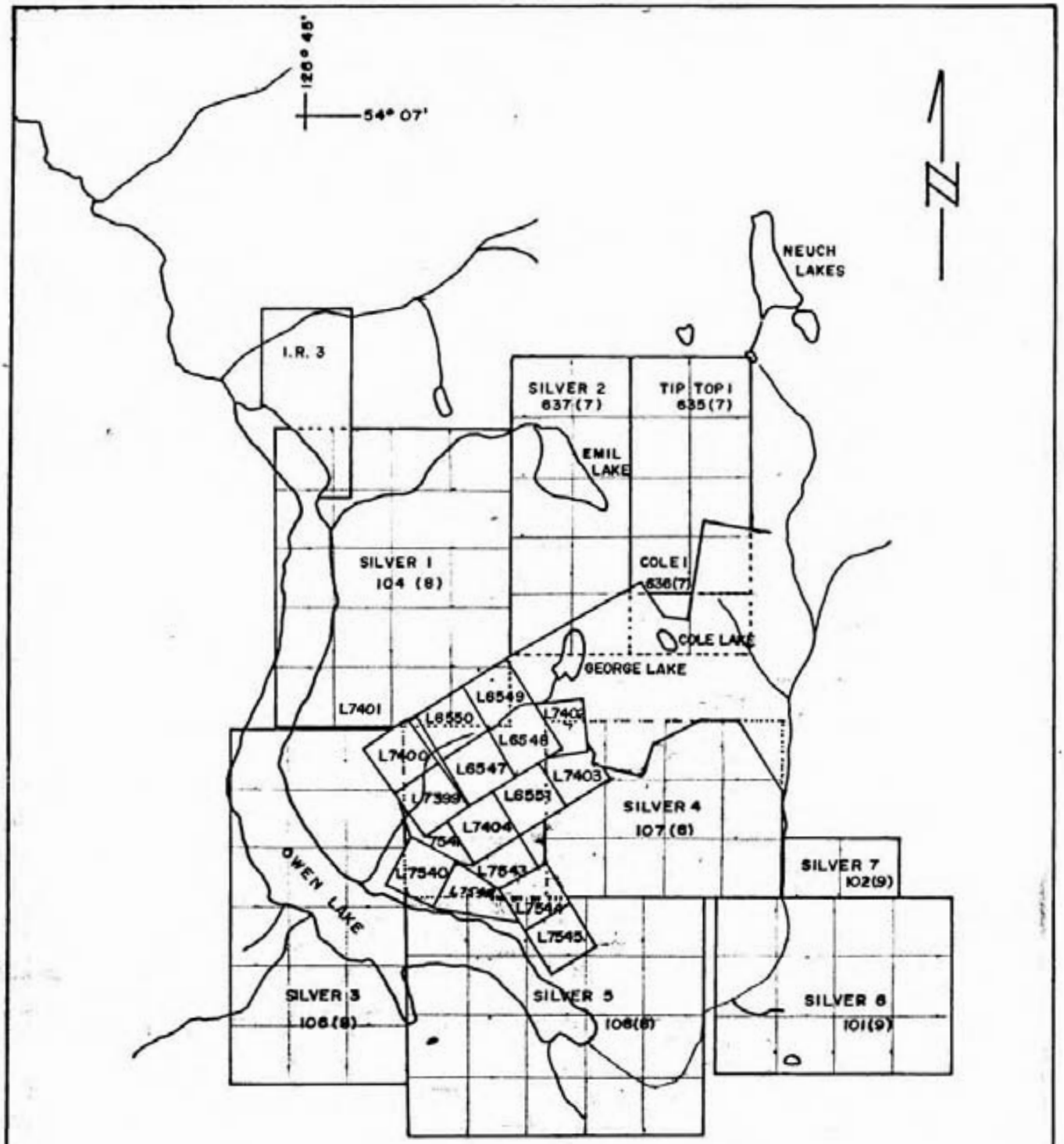
PROPERTY

New Nadina Explorations Ltd. owns 9 claims (109 units) and controls 17 crown granted mineral claims, leased from Placer Developments, to form the Silver Queen property claim details are as follows:

Claim	Record #	Date
Silver 1	104	August 25
2	637	July 8
3	106	August 25
4	107	August 26
5	108	August 26
6	101	September 2
7	102	September 2
Tip Top 1	635	July 8
Cole 1	636	July 8

Crown granted mineral glaims leased from Placer Development.

	Lot
Mae No 1	L 7544
Mae	L 7545
Marg Fr.	L 7542
Mary	L 7540
Lili Fr.	L 7541
Astra Fr.	L 1543
Lucy	L 7404
Ixl No 3	L 7403
Earl No 3	L 7402
Tyee	L 6548
Silver Queen	L 6549
Silver King	L 6547
Silver Tip	L 6550
Earl Fr.	L 7401
Earl No 1	L 7399
Earl No 2	L 7400



NEW NADINA EXPLORATION LTD

SILVER QUEEN MINE OWEN LAKE, B.C.

CLAIM MAP

OMINECA M.D. 93 L2

DATE: AUG. 1980 • SCALE: 1:50,000

History

The original discovery was made in 1912 at Wrinch Canyon by Jim Holland, a member of a land survey party. This was staked as the Silver Queen group, which became the property of Dr. H.C. Wrinch of Hazelton, British Columbia.

The Chisholm group was staked soon after the original discovery and the Diamond Belle group (Cole vein) in 1915. The Chisholm property was developed by 2 shallow shafts and 38 tons of ore assaying 6 oz. Ag and 31% Pb was shipped in 1915. In 1923 the Federal Mining and Smelting Company secured an option on the Silver Queen and did approximately 500 feet of drifting in 3 adits on the veins in Wrinch Canyon (2880 level) The option was relinquished in 1924.

F.H. Taylor organized the Owen Lake Mining and Development Company in 1928 and bonded the Silver Queen, Diamond Belle and Midnight (Chisholm) groups. This company began an extensive development campaign including road building and the establishment of a well equipped camp. The Cole shaft was sunk on the main Diamond Belle (Cole) vein to a depth of 80 feet and 123 of drifting was completed on the 75 foot level. After establishing the width and continuity of this vein they allowed the shaft to fill with water and began a long adit to cross-cut the Wrinch veins at depth. (2600 feet) This adit encountered a number of unexpected veins before striking the main Wrinch veins during the winter of 1929--30 this tunnel is 284 feet vertically below the F M and S adits and approximately 514 feet below the collar of the Cole shaft. It is run on a bearing N58^{o} E for the first 2;200 feet, at which point it was divertered to the left on a bearing N4^{o} E in order to cut the Wrinch vein system nearer the ore exposed than would have been the case had the orginal bearing been continued. The N58^{o} E bearing of the adit is such that it's projection would strike below the Cole shaft at approximately 6700 feet. By December 31, 1929, this tunnel had reached a point 2,765 from the portal and had penetrated the No 2 vein at 2,665 feet and No 3 vein at 2,760 feet. By February 10, 1930 the face was 2,930 feet from the portal. (The concept that the diversion to the N4^{o} E bearing would intersect the vein with a shorter drive than on the N58^{o} E bearing was proven wrong in 1981 when Bulkley Silver drift - (a continuation of the N58^{o} E bearing) intersected the vein 200 feet from the point of diversion or 2400 feet from the portal) The tunnel was continued to 3000 feet and a 300 foot diamond drill hole was projected from the face. Approximately 1020 feet of cross drifting in a number of drifts had been completed on the "unexpected" veins during the program.

This development work aroused a great deal on interest and during the spring of 1929 the property was examined by representatives of several large mining companies. In July 1929, Noah A. Timmins optioned the control of the Owen Lake Mining and Development Company for $ 1,000,000 making an initial payment of $ 150,000. This option was dropped in the spring of 1930 but Mr. Timmins retained an interest of approximately one-fifth of the shares in the company. This phase of underground exploration work ceased in February 1930.

In 1941 Canadian Exploration Ltd. (Canex-Placer Developments acquired the property by leasing the Silver Queen group crown granted claims from the Provincial Government, staking open ground and optioned the Cole group. During 1941 most of the work was performed on the Cole group although the accessable 860 foot portion of the Earl adit (2600 level) was mapped and sampled by Nesbitt. The option on the Cole property was dropped in 1943 due to a required expenditure which was considered not justified at that time.

Work on the Silver Queen commenced again in 1946 with the Earl adit (2600 level) being cleaned out in 1947 so that all the workings were assessable. Detailed reports on the properties were prepared by Nesbitt in 1941 and Batten in 1949 for Canadian Exploration Ltd. No further exploration programs were undertaken by Canex after 1947. Canex retained and/or acquired 17 crown granted claims in the camp since 1941.

The property lay idle until 1963 when Nadina Explorations Ltd. came to an agreement with Canex. Nadina commenced with a program of cat trenching and rehaliliating the existing working preparatory to drifting and raising in 1968.

Kennco Exploration (Western) Ltd. optioned the property in 1967, conducted a limited surface program and dropped the option.

Nadina conducted detailed geological mapping of underground working during the winter of 1967-68 and during the summer of 1968 an extensive geochemical survey, surface trenching utilized a caterpillar D-9, surface diamond drilling and geophysical surveys were completed. Am aggressive program of underground development commenced in November 1968 and continued.

During 1970 Northgate Exploration became involved in the project and several deep holes were drilled.

In 1971 the Bradina Joint Venture was formed (Nadina, Bralorne, Pacific Petroleum) and the property put into production in March 1972. During 1971 a feasibility study, I.P. survey and some diamond drilling was conducted by Dolmage Campbell. Due mainly to mismanagement and metallurgical difficulties the mining operation ceased in September 1973. During the operation approximately 200,000 tons were milled of which roughly 40,000 tons consisted of low grade, oxidized development muck and waste. The mill and mining equipment were

subsequently sold and all structures removed from the site.

During 1974 Bralone completed 6 underground diamond drill holes to test the vein below the 3600 foot level.

During 1977 the property was optioned by New Frontier Petroleum and a limited surface diamond drill program was completed. After company reorganization, New Nadina Explorations Limited in May 1980 commenced with a surface trenching program. In September 1980 a shop and dry were erected and work began on rehabilitating the 2600 foot level.

Early in 1981, 3 short drifts and drill stations were completed in the southern 2600 foot level area. From these stations approximately 6000 feet in 28 holes of AQ diamond drilling was completed to delineate the vein below the level. 4,000 feet of surface drilling on the NG3 vein to the east was also completed in Jan. 1981. During June 1981 Bulkley Silver Resources established a 20 man camp on the site and in November commenced the continuation of the original drive to the Cole shaft. This program terminated in December 1981 due to financial restraints. The property has been in a care and maintenance position since that time

During 1982 Campbell Resources Ltd. expressed an interest in the property and undertook a comprehensive review of all available data. Campbell's interest terminated with the reorganization of that company.

The mine currently consist of approximately 15,000 feet of drift and numerous raise and stopes.

Geology

Church BCDM Annual Report - 1969

"The Owen Lake area is underlain mainly by an "old series" of lava and pyroclastic rock of either late Mesozoic or early Tertiary age and a small area of young series Tertiary valcanic rocks which is probably the local equivalent of the Ootsa Formation (Eochene?) These rocks are cut by stock-like igneous intrusions, sills and dykes."

A vast number of veins have been located on the Silver Queen and adjoining Bulkley Silver ground over the years. The veins are multi-phase, contain varying amounts of pyrite, sphalerite, chalcopyrite, galena and tenantite-tetrahedrite in a gangue consisting of varying amounts of rhodochrosite, quartz, chalcedony and barite. Economic minerals consist of Au Ag, Cu, Pb, Zn, Cd. Veins widths vary from inches up to 27 feet. With data accumulated over the years the veins appear to conform to an acute grid pattern rather than a dislocated shear replacement origin that has been the predominent historical concept in the camp. Correlation of veins on limited information is at best a suposition due to the vein mineralization changing

tenure both horizontally and vertically. "Shoots" within the system vary somewhat in size with the largest located to date being approximately 1000 feet x 500 feet averaging 4.5 feet wide.

Results

1) Diamond drill holes 83-5 and 83-7 did not intercept a continuation of the main Wrinch structure.
2) 83-6 intercepted a strong structure which may possibly correliate with intercepts in the S-26 - S-28 holes.
3) 83-8 intercepted two narrow pyrite veinlets carrying good values in Ag and Cu.
4) 83-9 and 83-10 intercepted the Wrinch or No 3 vein as well the footwall vein structure.

Recommendations

1) Follow-up drilling in the 83-8 area.
2) Continue testing of footwall structure northwesterly by diamond drilling.

Statement of Costs

1)	Foxey Creek Services Ltd.: Invoices		
	2878' @ $12	$ 34,536.00	
	527' @ $15	7,905.00	
	Labour	759.50	
	Waterline	600.00	
	101 core boxes	755.48	
	Mud	120.00	
	Mobilization	1,500.00	$ 46,175.98
2)	B & A Rentals: Invoice		
	Caterpillar D6 set ups & drill moves		3,241.58
3)	Reid Exploration Services: Invoices		
	R. Reid professional services	$ 3,380.00	
	D. Day cook 21 days @ 113.30	2,379.18	
	Vehicle rental 1.5 months	600.00	
	Gas and expenses	210.00	6,569.18
4)	Nadina Explorations:		
	Smithers Transport, highboy 450 and backhoe	$ 423.50	
	Groceries	1,742.48	
	Fuel (light plant)	380.00	
	Miscellaneous camp and supplies	380.00	
	Light plant lease 1.5 months @ $2,000/mo	3,000.00	4,925.98
5)	Assays: Min-en Laboritories: Invoice		
	51 Cu,Pb,Zn,Ag,Au @ $31/assay	$1,581.00	
	51 sample preparation @ $3/	153.00	
	Freight	56.75	1,790.75
			$62,703.55

REID EXPLORATION SERVICES LTD.

BOX 3669, SMITHERS, B.C. V0J 2N0

PHONE 847-2809

STATEMENT OF QUALIFICATIONS

I, Robert E. Reid of Box 3669, Elgin Avenue, Smithers, British Columbia, hereby certify that:

1. I am a contract geologist and principle of Reid Exploration Services Ltd.

2. I am a graduate of the University of British Columbia BSc 1971.

3. I have been practising my profession as a exploration and mine geologist since graduation.

4. I hold British Columbia Underground Shiftboss certificate no. UG 1008.

5. I am a Fellow of the Geological Assocation of Canada and a member of the C.I.M.M.

Robert E. Reid

Smithers, B.C.

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NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83 - 5

DATE Nov 24 - 27 1983

COORD 22190N 21700E LOCATION Lower Beaver Road LOGGED BY Robert E Reid R.E. REID

ELEV. 2945 AZ 225° CORE SIZE BBW-AA DATE Dec 7 - 8 1983

LENGTH 507 DIP -40° PURPOSE TEST FOR SOUTHERN EXTENSION NO 8 VEIN

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	39	CASING AND OVERBURDEN
39	66.2	DACITIC XTAL TUFF: (FRAGMENTAL) 20% FELDSPAR PHENOCRYSTS – SLIGHTLY COARSER GRAINED & MORE RECRYSTALLIZED IN FRAGMENTS – (FRAGMENTAL TEXTURE NOT OBVIOUS EXCEPT BY GRAIN SIZE AND ALT OF PHENOS). 1-3% FINELY DISSEMINATED PYRITE. FEW STRINGERS.
66.2	77.0	FAULT ZONE: BROKEN XTAL TUFF & GOUGE @ 60:90 LOCALLY 5% CLEAN PYRITE. BOTTOM CONTACT 1/4" ROSIEN SPHALERITE STRINGER AT BASE OF 2" SILICIOUS VEINLET 10% SPOTTY BLEBS PYRITE AND SPHALERITE. CONTACT 85°
77.0	222.9	DACITIC XTAL TUFF (FRAGMENTAL) AS ABOVE 100.6 - 101 ; GOUGE 102 - 103 BROKEN AND GOUGE 104 1/2" GOUGE PYRITE STRINGER AT 20° TO AXIS 106 - 117 MODERATELY BROKEN WITH SEVERAL NARROW GOUGE SECTIONS 115.3 1/2" IRREGULAR DIRTY PYRITE STRINGER AROUND FRAGMENT. FEW COARSE FELDSPAR ELLIPSES WITH PELLETTIC PYRITE. 143 - 149.5 GOUGEY VUGGY ZONE WITH 5 - 10% CLEAN DISSEMINATED PYRITE. 162 3" BROKEN AROUND SILICIOUS VEINLET. 167 - 190 SLIGHTLY SILICIFIED. 182.5 1" GOUGE. 190 - 201 NOTICEABLE INCREASE IN TIGHT SILICIOUS PYRITIC FRACTURES @ 2/FT.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83-5

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
77	222.4	209.6 3" GOUGE
CONT'D		
222.4	222.9	PYRITE VEIN.
		MASSIVE MEDIUM GRAINED SUBHEDRAL GRANULAR WITH CALCITE.
222.9	341	DACITIC XTAL TUFF (FRAGMENTAL?)
		GROUNDMASS SOMEWHAT MORE SILICIOUS THAN
		USUAL PHENOCRYSTS NOT AS STRONGLY KAOLINIZED.
		3-5% DISSEMINATED AND FRACTURE FILLING
		PYRITE. FEW GOUGEY FRACTURES.
		269 1/2" GOUGE
		267-269 SEVERAL GOUGEY FRACTURES.
		AFTER 269 PHENOS SLIGHTLY COARSER AND
		WITH MORE UNIFORM ABUNDANCE.
		TRACE - 1% FINELY DISSEMINATED PINKISH
		GARNETS.
		NOTE SEVERAL INSTANCES OF AT LEAST
		TWO STAGES SILICIOUS PYRITE FILLING AS CROSS
		CUTTING FRACTURES.
		318.5 1" WHITE SILICIOUS BAND WITH
		10% CLEAN PYRITE.
		318.5 - 320 SILICIFIED PORPHYRITIC
		TEXTURE WEAK.
341	352.3	PSEUDO SYENO - MONZONITE - RHYOLITIC DACITE
		FINE TO MEDIUM GRAINED ANHEDRAL SAUSSERITIZE
		PLAGIOCLASE AND FINE PINKISH GARNETS IN
		A SILICIOUS PINKISH GREY GROUNDMASS
		LOCALLY 1-2% BLACK SPECKS - MANGANIFEROUS
		PYRITE? CONTACTS GRADATIONAL.
352.3	915.5	DACITIC XTAL TUFF
		AS ABOVE.
		LOCALLY HYBRID ZONES OF PORPHYRITIC DACITE.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83-5

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
352.3	415.5	AND PSEUDO SYENO-MONZONITE
Cont'd.		386 - 387.2 50% GOUGE
		387-387.2 10% PYRITE.
		AFTER 372 CORE BECOMES SOMEWHAT
		MORE SILICIOUS CARBONATE PORPHYRITIC TEXTURE
		TO FADE.
415.5	477.8	RHYO-DACITE OR PSEUDO SYENO-MONZONITE:
		SIMILAR TO ABOVE BUT GENERALLY
		FINER GRAINED. GENERAL GREENISH-GREAM COLOUR
		432-441.5 DEEPENED HEMATITE "RIMS" AROUND
		FELDSPAR PHENO'S
		TRACES MANGANIFEROUS PYRITE
		FEW COARSE ROUNDED FELDSPAR CLOTS
		WITH POIKOLITIC PYRITE.
		GENERALLY WEAKLY FRACTURED 2 1/2 FT.
		449.1 1" GREY SILICA PYRITE VEIN.
		AFTER 467 BECOMES INCREASINGLY BROKEN
		AND COUSEY - HIGHLY BROKEN AFTER 472.
		465.9 AND 466 1/8" PYRITE VEINS
		AT 80° TO AXIS.
477.8	488.5	DYKE
		BLACK, APHANITIC FELD. ROUNDED MEDIUM
		GRAINED CALCITE XENOLITHS. 1-2%
		NARROW CALCITE FILLED FRACTURES
		x 1/FT.
		1.5' CHILLED AT UPPER CONTACT
		2" AT LOWER CONTACT 80° TO AXIS.
488.5	492	DACITIC XTAL TUFF:
		AS ABOVE.
492	507	VARICOLOURED BRECCIA (VARIATY) RHYO-DACITE
		VARIOUS SHAPED GENERALLY ANGULAR FRAGMENTS UP TO

SEE MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

HOLE No. 83-5

DIAMOND DRILL RECORD

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
492	507	1 INCH - MEDIUM APPROX 3/8", LIGHT TO
(CONT'D)		DARK GREY IN COLOUR IN A LIGHT GREY GROUNDMASS
		LOCAL ALIGNMENT GIVES IMPRESSION OF
		PYROCLASTIC FLOW. 1-2% PYRITE IN FRACTURES
		AND KAOLINIZED FELDSPAR FRAGMENTS.
		507 END OF HOLE.
		DRILLED BY FORBY CREEK SERVICES.

SEE-MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 83-5

DATE Dec 6 1983

COORD 22190 N 21700 E LOCATION Lower Beaver Pond

ELEV. 2945 Az 225° CORE SIZE BW 44

LENGTH 507' DIP -90° PURPOSE South East Extension No 3 System

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
0	39	CASING										
39	222.4	WASTE										
222.4	222.9	PYRITE	29842	0.5'	0.4'		.003	.10	.102	.01	.01	
222.9	507	WASTE										
		507 END OF HOLE.										

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83-6

DATE DEC 1-6 1983

COORD 21920N 21925E LOCATION SOUTH OF LOWER POND LOGGED BY Robert C Ei

ELEV. 2850 AZ 225° CORE SIZE BW 99 & BQ DATE DEC 10-13 1983

LENGTH 685 FT. DIP -40° PURPOSE COMPLETE 83-5 SECTION

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	57	CASING
57	90.6	DACITIC XTAL TUFF ; FRAGMENTAL
		TYPICAL PORPHYRITIC VARIATY : "NON-APPARENT"
		FRAGMENTS HAVING COARSER PHEONOCRYSTS.
		63-78 MODERATELY BROKEN - SEVERAL
		GOUGEY FRACTURES.
		78-90 HANLY BROKEN - NUMEROUS GOUGE
		SECTIONS.
		77-86 3' LOST
		86-90.9 0.5' LOST
		77.9-80.9 PULASKITE DYKE
		TUFF CONTAINS 1-2% FINELY DISSEMINATED
		PYRITE AND A FEW PYRITE STRINGERS.
90.6	244.8	VARICOLOURED BRECCIA (VARIATY)
		THIS VARIATY NOT AS SILICIOUS (RHYOLITIC)
		AS USUAL. GROUNDMASS FINE GRAINED GREY DACITIC.
		FRAGMENTS CONSIST OF ; FINE TO MEDIUM GRAINED
		GREENISH (SAUSSERITIZED ?) FELDSPAR ; COARSE
		KAOLINIZED WHITE FELDSPAR "CLOTS" CONTAINING
		UP TO 10% PYRITE. ; 30-40% OF FRAGMENTS
		ARE DARKER, MEDIUM-COARSE GRAINED AND
		SURROUNDED.
		96-102 WEAKLY SILICIFIED - INCREASE
		TO 5% PYRITE OVER LAST FOOT.
		CORE GENERALLY WEAK TO MODERATELY BROKEN
		WITH A FEW 2-3 INCH GOUGE AREAS.
		127.3-128.3 BRECCIA VEIN - DARK MATRIX
		196.1-197.5' WEAKLY SILICIFIED, REMOBILIZED
		BRECCIA VEIN WITH PYRITE SURROUNDING
		FRAGMENTS. (SAMPLE 24843)
		153.7 2" SILICIOUS PYRITIC STRINGER

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83-6

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
90.6	244.8	168.0 - 174.9 FINE GRAINED DACITIC XTAL.
(CONT'D)		TUFF - NO FRAGMENTS - NUMEROUS HAIRLINE
		PYRITE FRACTURES.
		CORE GRADUALLY BECOMES SLIGHTLY MORE SILICIOUS
		UNTIL AFTER 213 BECOMES MORE OF USUAL
		RHYO-DACITE VARIETY. NOTABLE DECREASE IN
		COARSENESS AND DENSITY OF COARSE KAOLINIZED
		FELDSPARS AND DECREASE IN FRAGMENT DENSITY
		GENERALLY.
244.8	260.0	DIABASE DYKE
		GREENISH - BLACK APHANITIC, WEAKLY FRACTURED
		1-2% CALCITE PHENOCRYSTS IN BOTTOM 2 FEET.
		CONTACTS SHARP AT 40° AND 60°, 18 INCH
		CHILL ZONE AT UPPER AND 12 INCH CHILL AT LOWER
		CONTACT.
260.0	499.4	VARICOLOURED BRECCIA (VARIETY)
		260 - 264.3 FINE GRAINED DACITIC XTAL
		TUFF SIMILAR TO 168 - 174.9
		AFTER 264.3 MAINLY IRREGULAR COARSE, WHITE
		FELDSPAR FRAGMENTS - 30% IN PALE GREY
		WEAKLY SILICIOUS RHYO-DACITIC GROUNDMASS.
		291.5 - 294 DARK GREY SILICIFIED ZONE
		AROUND 2" VEINLET AT 292
		297.5 - 301 GREY SILICIOUS ZONE - ½"
		CORE AT 298.7 - 3" BRECCIA
		WITH 10-15% PYRITE AT 301
		321 - 332: SILICIFIED ZONE - MEDIUM GREY
		COLOUR. 5-7% PYRITE AFTER 327
		351.2: ½" ERRATIC PYRITE STRINGER
		353.1 - 354.9 QUARTZ FLOODED ZONE WITH
		5-10% FINELY DISSEMINATED PYRITE.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83-6

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
260.0	499.9	AFTER 369 GROUNDMASS DARKER GREY, SLIGHTLY
(CONT'D)		MORE SILICIOUS.
		369 - 370.2 TIGHT, ALIGNED MULTI-FRACTURE
		ZONE; 4-5 FRACTURES PER INCH — PYRITE
		FILLING. (RESULTS IN A PSEUDO GRAPHIC LOOK)
		NOTABLE INCREASE IN NUMBER OF PYRITIC
		FRACTURES AND NARROW STRINGERS AFTER 370.
		388.4 1" PYRITE
		395 1/4" PYRITE (SAMPLE 386.0-396.0)
		AFTER 397.1 CORE BECOMES SLIGHTLY LESS
		SILICIOUS AND PALER IN COLOUR.
		418 - 428. PATCHY, SILICIOUS FLOODING
		GIVING COARSE AMORPHOUS "SPLOTCHY" TEXTURE
		436.1 1" PYRITE.
		AFTER 440 BRECCIA TEXTURE WEAKENS (DUE TO
		SILICA FLOODING?), REVERTS TO FINE GRAINED
		XTAL TUFF FRAGMENTAL TEXTURE WITH LOCAL
		"GNOSTY" FRAGMENTAL AND BRECCIA TEXTURES.
		LOCALLY, WEAK BANDING. 3-7% FINELY DISSEMINATED
		PYRITE PERVASIVE THROUGHOUT. LOCAL IRREGULAR
		AREAS OF QUARTZ FLOODING
		478.5 - 486 DARKER SILICIOUS BRECCIA
		WITH 10-15% PYRITE (SAMPLE)
		478 - 478.5 INTENSE SILICA FLOODING
		486 1/4" GOUGE.
		AFTER 486 SOFTER KAOLINIZED MATERIAL
		ALTHOUGH SIMILAR IN APPEARANCE TO 478.5 - 486
		FEW PYRITIC STRINGERS AND 10-15% DISSEMINATED
		PYRITE.
		497.9 3" FAIRLY CLEAN MASSIVE
		PYRITE STRINGER.
499.9	499.7	PYRITE CARBONATE TENNANTITE VEIN.
		UPPER CONTACT 1/16" GOUGE AT 40°. LOWER
		IRREGULAR AT LOW ANGLE.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83-6

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		LOST CORE : 497 - 507 1.4' LOST 86%
		507 - 517 2.1' LOST 79%
		517 - 527 0.8' LOST 92%
		527 - 533 0.5' LOST 92%
		533 - 537 4.0' LOST —
		537 - 546 2.0' LOST 82%
		546 - 554 0.9' LOST 89%
		554 - 564 2.1' LOST 79%
		564 - 575 2.5' LOST 77%
499.7	502.3	DACITIC TUFF:
		PROBABLY AS ABOVE - ALTERATION
		OBLITERATES TEXTURE TO "GHOSTY" FRAGMENTAL.
		GREEN SOUSSERITIC? TINGE, 10% DISSEMINATED
		PYRITE - TRACE ROSIGN SPHALERITE. CONTAINS
		2 - 1/4" PYRITE CARBONATE STRINGERS.
502.3	516.8	FAULT BRECCIA AND GOUGE:
		HIGHLY BROKEN. FINE TO MEDIUM SUB-ANGULAR
		TO ROUNDED, ALTERED DACITIC FRAGMENTS IN
		KAOLINITIC GOUGE. 3-7% FINELY DISSEMINATED
		OR SMALL CLOTS OF PYRITE THROUGHOUT.
516.8	517.5	BLACK PYRITIC MUD AND BLACK PYRITIC FAULT
		BRECCIA.
517.5	527.1	ALTERED DACITE
		LOCALLY WEAK PORPHYRITIC TEXTURE, GENERALLY
		MEDIUM TO DARK GREY - APHANITIC - MODERATELY
		FRACTURED WITH GOUGE FILLING.
		518.5 - 520.8 5-10% IRREGULAR,
		VUGGY, PINKISH ORANGE CARBONATE
		STRINGERS CONTAINING PATCHES BLACK
		MINERAL (MANGANIFEROUS PYRITE?). PYRITE
		PERVASIVE THROUGHOUT. TRACES ROSIGN SPHALERITE

NEW NADINA EXPLORATION LTD.

HOLE No. 83-6

DIAMOND DRILL RECORD

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
527.1	533	VARICOLOURED BRECCIA ?
		ALTERED. LOCAL WEAK BRECCIA TEXTURE
		AS WELL AS PORPHYRITIC TEXTURES. CORE
		HIGHLY BROKEN. APPEARS SLIGHTLY MORE
		SILICIOUS THAN ABOVE.
		527.1 – 529 AND 533-534 BLACK PYRITIC
		MUD – WRITTEN OFF AS CAVE AS
		COLOUR AT BREAK IN RUNS AND ROCK FAIRLY
		COMPETANT ON BOTH SIDES.
533	571.2	PORPHYRITIC DACITIC TUFF
		ALTERED – FINE TO MEDIUM GRAINED, WEAKLY
		KAOLINIZED ANHEDRAL FELDSPARS IN A
		FINE GRAINED FELDSPATHIC GROUNDMASS. LOCAL
		WEAK SILICA FLOODING. 7-15 % FINELY
		DISSEMINATED AND DISSEMINATED CLOTS
		PYRITE THROUGHOUT.
		540 – 540.9 FAULT BRECCIA 60% GOUGE.
		541.9 – 546 CORE BROKEN TO FRAGMENTS.
		534.8 ; 539.5 ; 546 NARROW SILICA - PYRITE
		VEINLETS < 2"
		537 – 1.5' ; 542.8 – 1' PYRITIC MUD ZONES
		CAVE.
		550.1 – 550.7 BROKEN AND MODERATELY
		KAOLINITIC – 3/4" PYRITE STRINGER AT 550.7
		553.7 – 557 CORE FRAGMENTED AND
		GOUGEY. CONTAINS SEVERAL FRAGMENTS
		OF NEAR SOLID PYRITE (RESULT FROM
		2 ? NARROW STRINGERS)
		562 – 568 FAULT BRECCIA – CORE
		FRAGMENTED – LOCALLY HIGHLY PYRITIC.
		571.2 CONTACT GRADATIONAL.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/6

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
571.2	578.5	DACITIC XTAL TUFF
		FINE GRAINED - ANHEDRAL - NON PORPHYRITIC
		- YELLOWISH GREEN COLOUR - LOCALLY GARNETIFEROUS ?
		WITH FINELY DISSEMINATED PINKISH GARNETS?
		1-3 % DISSEMINATED PYRITE - WEAK, TIGHT
		FRACTURING WITH SILICA-PYRITE FILLING.
		ZONE PROBABLY ALTERED BY DYKE.
578.5	581.6	ANDESITE DYKE
		FINE TO MEDIUM GRAINED ANHEDRAL GRANULAR.
		3-5 % BIOTITE, 10-15 % EPIDOTE, GENERALLY
		DARK GREEN GROUNDMASS WITH PALE GREEN EPIDOTE
		PHENOCRYSTS.
581.6	600	DACITIC XTAL TUFF
		WEAKLY SILICIFIED. LOCAL PORPHYRITIC
		TEXTURE, NUMEROUS SILICA-PYRITE STRINGERS
		AND 15 % DISSEMINATED PYRITE.
		589-591.5 BLEACHED - KAOLINITIC
		AND GOUGEY. BOTTOM CONTACT
		1" GOUGE.
600	617	DIABASE DYKE.
		DARK GREEN; FINE GRAINED; ANDESITIC.
		3-5 % MEDIUM GRAINED CARBONATE PHENOCRYSTS.
		WEAK TO MODERATELY FRACTURED - ALL WITH
		CALCITE FILLING. 3-5 % BIOTITE.
		GENERALLY SOFT WITH NUMEROUS GOUGEY
		AREAS.
		SWITCH TO BQ WIRELINE FROM STANDARD
		BW 44 THIN WALL AT 617.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/6

DATE

COORD _____ LOCATION _____ LOGGED BY _____

ELEV. _____ AZ _____ CORE SIZE _____ DATE _____

LENGTH _____ DIP _____ PURPOSE _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
617	648.1	HYBRID ANDESITIC DYKE
		SIMILAR TO ABOVE IN GENERAL APPEARANCE BUT LACKS CALCITE PHENOCRYSTS. GENERALLY SOFT. HIGHLY FRACTURED WITH TIGHT CALCITE FILLINGS. BIOTITIC IN SILICIOUS GROUNDMASS. 5 % FINELY DISSEMINATED PYRITE.
		AFTER 631.8 INTERMINGLED GRADATIONALLY WITH SECTIONS OF GREENISH TINTED DACITIC XTAL TUFF.
		AFTER 638 REAPPEARANCE OF EPIDOTE PHENOCRYSTS.
648.1	685	DACITIC XTAL TUFF
		PORPHYRITIC - PALE TO MEDIUM GREEN TINT. PHENOCRYSTS GENERALLY ROUNDED, EPIDOTIZED, HOMOGENEOUS DISTRIBUTION, LESS THAN 1/8", IN A FINE GRAINED XTALINE GROUNDMASS. LOCALLY GARNETIFEROUS - LOCAL DARK RED HEMATITIC? ALTERATION RIMS. FEW PYRITIC FRACTURES. FRACTURING GENERALLY WEAK WITH CARBONATE OR GOUGE.
		648.3 1/4 INCH SILKY CHALCOPYRITE STRINGER
		LOCALLY 3-5 % FINELY DISSEMINATED BLACK SPECKS (MANGANIFEROUS PYRITE?) TRACES PYRITE.
		GENERALLY SOFT WITH FEW 2-3 INCH GOUGE SECTIONS.
		685 END OF HOLE.
		DRILLED BY FOXEY CREEK SERVICES LTD.

SEE-MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 83/6

DATE DEC 17 1983

COORD 21920 N 21425 E

LOCATION NEAR ESKER SOUTHWEST OF BEAVER POND

ELEV. 2850 Az 225 CORE SIZE BW 44 - BQ

LENGTH 685 DIP -40 PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
0	57	CASING										
57	146.1	WASTE										
146.1	147.5	SILICIOUS BRECCIA WITH PYRITE	24843	1.4	1.4		.003	.20	.005	.01	.02	
147.5	386	WASTE										
386	396	PYRITIC SILICIOUS BRECCIA	24844	10.0	10.0		.001	.02	.027	.01	.01	
396	478.5	WASTE										
478.5	486	SILICIOUS BRECCIA 10-15% Py	24845	7.5	7.5		.004	.01	.010	.01	.01	
486	499.4	KAOLINITIC BRECCIA 10-15% Py	24846	13.4	13.0		.002	.01	.007	.01	.09	
499.4	499.7	VEIN - PYRITE TENNANTITE	24847	0.3	0.3		.060	20.60	3.890	1.45	1.99	
499.7	502.3	ALTERED PYRITIC TUFF TR SPH.	24848	2.6	2.6		.010	.40	.080	.11	.15	
502.3	516.8	FAULT BRECCIA.	24849	14.7	11.1		.002	.10	.020	.03	.05	
516.8	517.5	PYRITIC FAULT BRECCIA.	24850	1.3	1.0		.010	.08	.016	.03	.19	
517.5	520.8	CARBONATE STRINGERS.	24302	3.3	3.3		.007	4.15	.690	.33	.84	
520.8	527.1	PYRITIC DACITE	24303	6.3	5.5		.002	.03	.007	.01	.04	
527.1	533	VARICOLOURED BRECCIA.	24304	5.9	4.7		.002	.10	.008	.01	.02	
533	546	ALTERED DACITIC TUFF	24305	12.0	10.5		.001	.01	.028	.01	.04	
546	553.7	ALTERED DACITE (WASTE										
553.7	557	BROKEN DACITE - STRINGERS Py	24306	3.3			.022	.65	.290	.03	.06	
557	562	ALTERED DACITE.	24307	5.0			.010	.02	.035	.03	.02	
562	564	FAULT BRECCIA	24308	2.0			.017	.50	.246	.02	.07	
564	568	FAULT BRECCIA.	24309.	4.0			.010	.82	.098	.03	.05	

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83-7

DATE DEC 10 - 12 '8

COORD 22957N 21730E LOCATION Cole Lake Road LOGGED BY Robert E Zi

ELEV. 2925 AZ 225 CORE SIZE BQ DATE DEC 22 - DEC 28

LENGTH 627 DIP -45 PURPOSE TEST ZONE SOUTH EAST OF MINE.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	16	CASING
16	120.5	DACITIC XTAL TUFF PORPHYRY (FRAGMENTAL)
		FINE TO MEDIUM GRAINED ANHEDRAL - SUBHEDRAL
		WHITE FELDSPARS IN FINE GRAINED GREY - GREEN
		GROUNDMASS.
		NEARLY FRACTURED.
		1-3% CLEAN AND MANGANIFEROUS PYRITE
		IN PHENOCRYSTS.
		TEXTURE AND GRAIN SIZE FAIRLY HOMOGENEOUS
		THROUGHOUT.
		99.5-15.4 FAULT ZONE 30% GOUGE.
		CORE BLEACHED GREY
		36-37.5 67-72 CORE ALTERED TO
		PALE GREENISH HUE AROUND NARROW
		QUARTZ STRINGERS. ½" AT 36.9 ; ½" AT 70.8
		WEAKLY BROKEN AND GOUGEY 53-56.5'
		94.7 AND 96.1 NARROW QUARTZ PYRITE
		STRINGERS. WEAK SILICIFICATION HALO'S
		OVER 1'
		AFTER 108 BLEACHED - PORPHYRITIC TEXTURE
		WEAK.
		AFTER 112 FEW COARSE FELDSPATHIC
		FRAGMENTS WITH POIKILITIC PYRITE.
		114 2" PALE GREENISH GOUGE.
		AFTER 116 CORE BROKEN.
120.5	122.7	VEIN.
		1 ½" GOUGE FOLLOWED BY 1½" MASSIVE PYRITE
		AT UPPER CONTACT.
		MAINLY MODERATE - STRONG SILICIFICATION.
		5% DISSEMINATED PYRITE
		121.5-122.2 TR - 2% ROSIEN SPHALERITE
		MAINLY IN FRACTURES
		122-122.2 QUARTZ WITH BLOTS ROSIEN SPHALERITE

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/7

DATE

COORD _____ LOCATION _____ LOGGED BY _____

ELEV. _____ AZ _____ CORE SIZE _____ DATE _____

LENGTH _____ DIP _____ PURPOSE _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
120.5	122.7	AND FINE EARTHY SULFIDES (SULFIDES 10-15%)
(CONT'D)		AFTER 122.2 WK OCHEROUS HEMATITE RIMS
		122.7 1" PYRITIC GOUGE.
		(SAMPLE 120.5 - 122.7)
122.7	193.5	DACITIC XTAL TUFF PORPHYRY:
		AS ABOVE.
		132.5 - 144.5 MODERATELY BROKEN WITH
		APPROX 60% OF SECTION GOUGE BRECCIA.
		149.9 1/4" RESIN SPHALERITE PYRITE STRINGER.
		164.3 1/2" QUARTZ PYRITE STRINGER.
		166.6 - 167.8 FAULT BRECCIA
		167.8 - 172.9. WEAKLY SILICIFIED - SEVERAL
		TIGHT PYRITE STRINGERS
		AFTER 172.9 PHENOCRYSTS BECOME SOMEWHAT
		COARSER.
		172.9 - 194. 2 PYRITIC STRINGERS PER FOOT
		LARGEST 1/2" NARROW ALTERATION HALO'S.
		ALL AT 55° TO AXIS.
193.5	196.2	PULASKITE DYKE. CHILLED SWIRLY TEXTURE
196.2	214.5	SILICIFIED ZONE.
		PORPHYRITIC TEXTURE LOCALLY - MAJORITY
		FINE GRAINED GREY SILICIOUS. SEVERAL QUARTZ
		PYRITE STRINGERS.
		197.6 1" QTZ - Py. 5-10% DISSEMINATED
		Py 197.6 - 199.9
		201.2 2" BRECCIA DYKE.
		202 - 202.8 FAULT BRECCIA.
		204.1 - 205.1 HIGHLY SILICIOUS 10-15%
		PYRITE.
		208.5 - 209.6 BRECCIA DYKE.
		MEDIUM - COARSE DACITIC FRAGMENTS

SEE MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83-17

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
196.2	214.5	IN A FINE GRAINED - APHANITIC BLACK
(CONT'D)		GROUNDMASS.
		LOWER CONTACT GRADATIONAL.
214.5'	340	DACITE XTAL TUFF PORPHYRY:
		AS ABOVE.
		PHENOCRYSTS COARSER. (UP TO 3/8") TO 231
		WEAKLY SILICIFIED 249.5 - 254.7
		* 252.9 - 253.2 2" FAULT BRECCIA AND 2" ROSIER SPHALERITE - PYRITE - EARTHY SULFIDE VEIN
		257 - 274.7 CORE MODERATELY BROKEN.
		3" GREY SILICIOUS STRINGER 265.5
		279.4 2" GOUGE
		* 280.8 - 281.7 BLACK PYRITIC GOUGE TR SPH.
		282.7 3" NEAR SOLID PYRITE IN GOUGE.
		282.9 - 285.7 6 NARROW 1/8" PYRITE STRINGERS (SAMPLE 280.8 - 281.9)
		AFTER 282 CORE SLIGHTLY MORE SILICIOUS WITH SLIGHT INCREASE IN PYRITE.
		FEW PYRITIC STRINGER. FEW GOUGEY AREA 2-3"
340	343.5	PULASKITE DYKE - CHILLED
343.5	627	DACITIC XTAL TUFF PORPHYRY.
		AS ABOVE.
		358.5 - 370.3 INCREASED PYRITE AND MANGANIFEROUS? PYRITE - 5-10% - BLACK RIMS AROUND COARSER THAN NORM CHOTS OF PYRITE AS WELL AS DISSEMINATED BLACK SPECKS.
		FEW FRACTURE FILLINGS - VERY WEAKLY FRACTURED (SAMPLE 358.5 - 370.3)
		396.5 - 398.6 3-5% MM Py - NO APPARENT CHANGE IN ROCK.

SEE MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. [redacted]

DATE 93/7

COORD _____ LOCATION _____ LOGGED BY _____

ELEV. _____ AZ _____ CORE SIZE _____ DATE _____

LENGTH _____ DIP _____ PURPOSE _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
349.5	627	AFTER 384 FEW COARSER FELDSPAR PHENO'S
(CONT'D)		ALSO APPEARANCE OF GREENISH TINT TO
		HALO'S AROUND PYRITE
		299 - 299.3 GOUGE WITH 1/4" PYRITE
		STRINGERS AT UPPER AND LOWER CONTACTS.
		SILICIFIED TO GREY COLOUR WITH STRONG
		PORPHYRITIC TEXTURE TO 295.3
		INTENSITY OF PORPHYRITIC TEXTURE VARIES
		EVERY FEW FEET DUE TO SILICIFICATION?
		AFTER 407 PORPHYRITIC TEXTURE WEAK
		FRAGMENTAL TEXTURE (COARSER GRAIN SIZE
		IN PHENO'S) MORE APPARENT TEXTURE FAIRLY
		HOMOGENEOUS
		CORE WEAK TO MODERATELY BROKEN
		WITH SEVERAL NARROW GOUGEY SECTIONS
		415 - .6"
		416.9 1/8"
		424-426 30% GOUGE.
		426.1 OPEN FRACTURE.
		427.3 - 427.8 OPEN FRACTURES AND 1/8" PY
		440.5 OPEN GOUGEY FRACTURE
		441.1 - 442.1 15% GOUGE 1/8" PYRITE 442.1
		LOCALLY MN-PY - VAGUE APPEARANCE OF BEING
		WITHIN FRAGMENTS
		AFTER 464.5 PORPHYRITIC TEXTURE STRONGER.
		480.2 - 480.6 RENEALED FAULT BRECCIA.
		481.0 - 481.5 MINERALIZE RENEALED FAULT
		BRECCIA. 15 - 20% PYRITE (SAMPLE)
		AFTER 482 SLIGHT INCREASE IN PYRITIC
		FRACTURES 1 PER 4'
		AFTER 501 SLIGHTLY MORE SILICIOUS.
		AFTER 525 LESS SILICIOUS WITH STRONG
		MEDIUM GRAINED PORPHYRITIC TEXTURE
		538.7 - 539.7 GOUGEY
		AFTER 539.7 REVERTS TO SLIGHTLY MORE SILICIOUS

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/7

DATE

COORD _____ LOCATION _____ LOGGED BY _____

ELEV. _____ AZ _____ CORE SIZE _____ DATE _____

LENGTH _____ DIP _____ PURPOSE _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
348.5	627	As after 561
(Cont'd)		560 - 560.7 20% medium grained xtaline, near solid shots Pyrite in carbonaceous gouge.
		Note few coarse white pyritic feldspars after 561 Also few weak Pyrite silker stringers. (5-10% Py in dark grey siliqious zone)
		598 - 598.7 Gouge.
		598.7 ½" Pyrite.
		605 - 605.5 Gouge
		609.7 2" broken pyritic gouge.
		627 End of Hole
		Drilled By Foley Creek Services Ltd.

SEE-MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 83-7

DATE DEC 10 - 12 1983

COORD R2475N 21730E

ELEV. 2925 Az 225°

LENGTH 627 FEET DIP -45

LOCATION COLE LAKE ROAD - BEAVER POND AREA

CORE SIZE BQ

PURPOSE SECTION BETWEEN 81-5 AND 5-11

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
0	16	CASING										
16	120.5	WASTE										
120.5	122.7	VEIN.	24310	2.2	2.2		.007	.28	.016	.05	1.75	
122.7	280.8	WASTE										
280.8	281.9	BLACK PYRITIC GOUGE TR SPH	24311	1.1	1.1		.037	2.20	.142	.03	3.24	
281.9	358.5	WASTE										
358.5	370.3	5-10% MN-Py ?	24312	11.8	11.8		.001	.04	.014	.01	.90	
370.3	481	WASTE										
481	481.5	15-20% Py IN FAINT BRECCIA	24313	1.5	1.5		.002	.01	.010	.01	.01	
481.5	627	WASTE										
		627 END OF HOLE.										

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/8

DATE DEC 12-14,

COORD 22605N 21210E LOCATION _____ LOGGED BY Hunt & Tidd

ELEV. 2950 AZ 225 CORE SIZE BQ DATE JAN 8

LENGTH 600 DIP -45 PURPOSE TEST STRUCTURE 250' SE OF 2600 FACE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	5	CASING
5	26.7	XTAL TUFF 5-10% FINE GRAINED ANHEDRAL - SUBHEDRAL FELDSPARS IN A FELSIC - PALE PURPLISH GROUNDMASS 3% FINELY DISSEMINATED PYRITE. FRACTURES OXIDIZED TO 14'
26.7	90.5	BRECCIA : 1/8" UP TO 5" FRAGMENTS OF CREAMY WHITE DACITIC XTAL TUFF WITHIN A PALE REDDISH FELSIC GROUNDMASS ; FRAGMENTS ± 30% ALSO FEW FELDSPAR PORPHYRY FRAGMENTS WITH DARK GROUNDMASS. NUMEROUS FRAGMENTS EXHIBIT FAINT GREEN SERICITIZATION? HALOS AND RHENOCRYSTS. TRACES OF REDDISH - BROWN HEMATITE STRIN? BROWN FRAGMENTS AND AS FRACTURE FILLING. 28-28.7 SHEAR GOUGE 30.7-31 GOUGE. 52.6 1" PYRITIC GOUGE.
90.5	96	FELDSPAR PORPHYRY DYKE 20% FINE GRAINED SUBHEDRAL FELDSPARS IN A CREAM OR PURPLE FELSIC GROUNDMASS.
96	198.7	BRECCIA AS ABOVE. 103.1 - 103.7 CHERTY CHILLED DYKE NOTE VERY FEW PYRITIC FRACTURES - 1% PYRITE AS FINE BLEBS 119.2 - 123.5' & 129.1 - 127.7 DACITIC XTAL TUFF 151.5 2" GOUGE 170 1" IRREGULAR PYRITE STRINGER ZONE AFTER 170 CORE MODERATELY BROKEN WITH SEVERAL GOUGEY FRACTURES.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/B

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
96	198.7	197.9 ½" PYRITIC GOUGE.
(CONT'D)		
198.7	203.4	CREAMY PULASKITE
		6" CHILL ZONE AT UPPER CONTACT
203.4	207.5	ALTERED BRECCIA:
		WEAKLY SILICIFIED - FRAGMENTS BECOME
		GREENISH GREY AND TEXTURE LESS DISTINCT.
		SLIGHT INCREASE IN PYRITE TO 3%
207.5	218.1	INTERMIXED WEAK CREAM AND GREY PULASKITE.
218.1	221.3	ALTERED BRECCIA:
		FRAGMENTS INDISTINCT IN A SILICIFIED DARK
		PURPLISH GROUNDMASS. 5-10% CLEAN PYRITE
		PERVASIVE + THROUT. (SAMPLE) 100 ANGLE UPPER
		CONTACT
221.3	228.5	PULASKITE - AS ABOVE
		½" COVER AT 85° ON BOTTOM CONTACT.
228.5	254.5	BRECCIA
		WEAKLY SILICIFIED TO 236
		236 ¼" ZOSIAN SPHALERITE STRINGER.
		237.4 ¼" ROSIAN GPX - SIDERITE STRINGER.
		240 - 244.1 CORE MODERATELY BROKEN AND GOUGEY
		244.9 - 247 QUARTZ - FELDSPAR PORPHYRY.
		30% FINE - MEDIUM ANHEDRAL - SUBHEDRAL
		QTZ ? AND FELDSPAR IN A FELSIC GREY
		GROUNDMASS - (LOOKS INTRUSIVE)
		CONTACTS SHARP AT 85°
		AFTER 247 CORE BROKEN AND GOUGEY
		PROBABLY WEAK SHEAR 247 - 254.5
254.5	397	DACITIC XTAL TUFF (FRAGMENTAL)
		MEDIUM GRAINED PHENO'S SHOWS LOCAL

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/8

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
254.5	397	BANDING AND TEXTURAL VARIATIONS - MAINLY DUE TO COLOUR VARIATIONS. 1-3% FINELY DISSEMINATED PYRITE - FEW FRACTURE FILLINGS.
		278.5 - 279.5 WK SHEAR - 20% PYRITE OVER BOTTOM 5"
		AFTER 280 REVERTS TO TYPICAL DACITIC XTAL TUFF
		307 - 307.9 SHEAR.
		333 - 339 MODERATELY BROKEN WITH SEVERAL GOUGEY SECTIONS.
		AFTER 339 BECOMES FINER GRAINED WITH LESS DISTINCT PORPHYRITIC TEXTURE. SLIGHT INCREASE IN PYRITE.
		* 353.5 - 354 MEDIUM DIRTY PYRITE VEIN. CORE RETAINS ALTERED WEAKLY SILICIFIED LOOK TO 379.
		* 378.9 - 379.6 MEDIUM DIRTY PYRITE SILICA VEIN. 3" ABOVE AND 2' BELOW BROKEN AND GOUGEY. (SHOULD EITHER ASSAY 339 - 379 SHOULD BE SPLIT)
		AFTER 379 TYPICAL DACITIC XTAL TUFF FRAGMENTAL WITH FRAGMENTS FAIRLY APPARENT BY GRAIN SIZE OF PHENOCRYSTS
397	506.	HYBRID ZONE: MAINLY DACITIC XTAL TUFF BUT OBTAINING LOOK OF VARIEGATED OR RHYO - DACITE BRECCIA
		405.7 - 408 BROKEN AND GOUGEY WITH 2" PYRITIC GOUGE AT LOWER CONTACT
		MAJORITY OF SECTION A MEDIUM GRAINED PORPHYRITIC TUFF
		496.3 - 496.9 SILICA FLOODING WITH PYRITE.
		498.2 2" SILICA PYRITE STRINGER.
		499.5 1/4" PYRITE - ROSIN SPHALERITE STRINGER.
		50/50 BRECCIA & TUFF AFTER 500.

SEE MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83-18

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
506	600	VARICOLOURED BRECCIA: TYPICAL VARIETY WITH AT LEAST 6 TYPES OF FRAGMENTS FRAGMENTS ANGULAR TO SUBROUNDED. 1/8" TO 5" 30-40% BY VOLUME. CORE WEAKLY FRACTURED. 3-5% PYRITE MAINLY AS DISSEMINATED BLEBS AND LENSES. GROUNDMASS DARK GREY RHYODACITE. DACITIC TUFF FRAGMENTS COARSEST AND MOST COMMON.
		* 518.4 - 521.7 VERY DISTINCT TEXTURE 5-10% PYRITE PERVASIVE THROUGHOUT GROUNDMASS. - SOME PYRITE HAS APPEARANCE OF BEING RAFTED. TR ROSIEN SPHALERITE.
		575 3" SHEAR FOLLOWED BY 1" SILICA-PYRITE STRINGER.
		AFTER 595 BRECCIA TEXTURE DISAPPEARS AND CORE CREAMY WHITE RHYOLITIC.
		597 - 600 · BROKEN AND REDRILLED BRECCIA REAPPEARS IN LAST FOOT. LOOKS FAIRLY SILICIOUS - POSSIBLY STOPPED SHORT OF A STRUCTURE?
		600 END OF HOLE
		DRILLED BY FOXEY CREEK SERVICES LTD.

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NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 83 - 8

DATE DEC 12 - 19 1983

COORD 22605N 21210 E LOCATION

ELEV. 2950 Az 225 CORE SIZE BQ

LENGTH 600 FT. DIP -60° PURPOSE TEST STRUCTURE 250' FROM 2600 FNL

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH FT	REC FT		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
0	5	CASING										
5	218.1	WASTE										
218.1	221.3	5-10 % PYRITE	24335	3.2	3.2		0.004	0.33	0.041	0.06	0.75	
221.3	337	WASTE										
337	347	ALTERED	16001	10.0	10.0		0.007	0.10	0.015	0.01	0.35	
347	353.5	"	16002	6.5	6.2		0.010	0.04	0.055	0.02	0.13	
353.5	354	PYRITE VEIN	24336	0.5	0.5		0.022	15.80	8.940	0.23	0.96	
354	362	2% DISSEM. SPH	16003	8.0	7.9		0.012	0.16	0.025	0.01	0.72	
362	371.9	" " "	16004	9.9	10.0		0.001	0.02	0.010	0.01	0.55	
371.9	372.6	PYRITE VEIN	24337	0.7	0.7		0.034	7.25	2.560	0.85	3.71	
372.6	379	ALTERED	16005	7.4	6.5		0.002	0.20	0.047	0.03	0.32	
379	518.4	WASTE										
518.4	521.7	5-10 % PY TR SPH	24338	3.3	3.3		0.002	0.16	0.055	0.01	0.66	
521.7	600	WASTE										
		600 END OF HOLE										

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/9

DATE DEC 16-17 19

COORD 22655N 20515E LOCATION ALMAR RD LOGGED BY Robert E R

ELEV. 2930 AZ 225° CORE SIZE BQ DATE DEC 28-29 1983

LENGTH 378 DIP -45° PURPOSE CUT VEIN ABOVE SUBLEVEL.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	9	CASING
9	171.3	DACITE PORPHYRY XTAL TUFF:
		MEDIUM GRAINED PHENOCRYSTS - FAIRLY
		HOMOGENEOUS TEXTURE - OXIDATION ON FRACTURES
		TO 18' WEAKLY BROKEN.
		30.9 1" PYRITE - CARBONATE STRINGER - VUGGY
		65.4 1/8" CPY STRINGER AT 80°
		67.1 1/16" CPY STRINGER AT 45°
		71.0 1/16" CPY STRINGER AT 60°
		SECTION VERY WEAKLY FRACTURED. - TR - 1%
		V. FINELY DISSEMINATED PYRITE.
		AFTER 97 APPEARS TO HAVE HIGHER DENSITY
		PHENOCRYSTS - UNIFORMITY OF SIZE - FINE TO
		MEDIUM - NON FRAGMENTAL ?
		81.4 1/2". 90% CPY - SILICEOUS STRINGER
		FOLLOWED BY 2" ZONE RANDOM CPY FILLED
		FRACTURES
		85.9 1" OPEN VUGGY CARBONATE FRACTURE.
		AFTER 121 - TEXTURAL CHANGE - PORPHYRITIC
		TEXTURE ANDESITE - GROUNDMASS PALE GREENISH
		COLOUR. SLIGHT INCREASE IN FINELY DISSEMINATED
		PYRITE TO 3%
		145.7 AND 146.6 1/2" PYRITE STRINGERS.
		ALTERATION HALO'S LIMITED TO 1" UPPER AND LOWER
		AFTER 158.7 REVERTS TO GREY PORPHYRITIC.
		SLIGHT INCREASE IN TIGHT PYRITIC
		FRACTURES.
171.3	188	VEIN ZONE.
		171.3 - 171.55 COARSE ROSIGN SPHALERITE - PY
		IN BLACK JACK GROUNDMASS.
		171.55 - 178.9 3-10% FINELY DISSEMINATED
		AND TIGHT STRINGER PYRITE IN SILICIOUSLY
		ALTERED MATERIAL.

SEE MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/9

DATE

COORD _____ LOCATION _____ LOGGED BY _____

ELEV. _____ AZ _____ CORE SIZE _____ DATE _____

LENGTH _____ DIP _____ PURPOSE _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
171.3	188	178.9 - 180.4 CRACKLE ZONE - TIGHT.
(CONT'D)		1" ROSIGN SPHALERITE WITH GALENA AT UPPER
		CONTACT - THEN 1/2" GOUGE. FOLLOWED
		BY 30% DECREASING PYRITE OVER 6"
		REMAINDER OF ZONE GENERAL LESS THAN
		1/4" RANDOM Py-SPH STRINGERS - LESS THAN
		5% DISSEMINATED PYRITE.
		180.4 - 183.5 SILICIOUSLY ALTERED WEAKLY
		CRACKLED MATERIAL.
		183.5 - 184.5 VEIN.
		2" GOUGEY ZONE AT UPPER CONTACT
		(1/2" INCLUDED) UPPER 4" FINE EARTHY SULFIDES
		THEN 9" SILICA PYRITE - THEN. 5"
		WEAKLY VUGGY MEDIUM GRAINED CLOTS
		ROSIGN SPHALERITE IN PYRITIC BLACK JACK?
		GROUNDMASS.
		184.5 - 188.0 SILICEOUS ALTERED WEAKLY
		CRACKLED WITH UP TO 30% PYRITE.
		GROUND WEAKLY BROKEN AND GOOD.
		(SAMPLES 171.3 - 178.9 ; 178.9 - 180.4 ; 180.4 - 183.5; 183.5
		- 184.5) 184.5 - 188.0)
188.0	225.7	DACITIC TUFF.
		FINE GRAINED XTALLINE
		LOCAL SILICIFICATION CONTINUES TO 193.5
		AFTER THIS GROUNDMASS GENERALLY PALE GREEN
		WEAK PORPHYRITIC WITH PYRITE.
		1-2 TINY PYRITIC FRACTURES PER FOOT.
		AFTER 208 PORPHYRITIC WITH 3-5% MEDIUM
		GRAINED AN-Py
		AFTER 223 HAS "FELTED" TEXTURE - GREY
		COLOUR.
		223.6 AND 224.5 NARROW 1/2" WEAK
		PYRITIC STRUCTURES.

NEW NADINA EXPLORATION LTD.

HOLE No. 193/9

DIAMOND DRILL RECORD

DATE

COORD _____ LOCATION _____ LOGGED BY _____

ELEV. _____ AZ _____ CORE SIZE _____ DATE _____

LENGTH _____ DIP _____ PURPOSE _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
225.7	226.9	PYRITE VEIN.
		1" GOUGE – 2" 50% PYRITE - SILICA – 3"
		KAOLINITIC DACITE – 11" WEAKLY VUGGY FINE GRAINED
		SLIGHTLY DIRTY MASSIVE PYRITE.
		BOTH CONTACTS SHARP AT 80°
		NO APPARENT SILICIFICATION TO EITHER CONTACT.
		ONLY GREYING OF SURROUNDING GREENISH TINT.
		(SAMPLE 225.8 - 226.9) (223.6 - 225.8)
226.9	378	DACITE XTAL TUFF:
		40 - 50 % FINE GRAINED ANHEDRAL - SUBHEDRAL
		FELDSPARS IN VERY FINE FELSIC GROUNDMASS.
		CORE HAS VERY DISTINCT XTALINE APPEARANCE
		DUE TO PALE GREENISH NATURE OF PHENOS IN
		SLIGHTLY DARKER GREENISH GROUNDMASS
		3 - 5 % VERY FINELY DISSEMINATED MN-Py
		252 6" BRECCIA VEIN.
		279 - 295 SLIGHT INCREASE IN PYRITE FRACTURES
		AND LOCAL WEAK SILICIFICATION HALOS.
		296.7 - 296.3 BRECCIA VEIN.
		OLIVEROUS HEMATITE IN GROUNDMASS AND
		FRAGMENTS SHOWING REACTION RIMS WITH DARK
		GREEN SERICITIZATION? IN CENTER AND FADING
		OUTWARDS.
		303.5 AND 304.7 1/4" VERY FINE DIRTY
		PYRITE STRINGERS - TR SPHALERITE
		308 - 309 1/2" Py - CARB STRINGER ALONG AXIS.
		AFTER 290 CORE LOOSES STRONG XTALINE
		TEXTURE
		314.5 - 318 CREAMY GREEN FELDSPAR DYKE
		330.2 - 332.5 " " " "
		LOOKS LIKE HOSE RUNS ALONG CONTACT - CORE
		ALTERED
		326.1 - 326.4 BRECCIA VEIN AS 295.7 - 296.3

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 85/9

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
226.9	378	358.8 - 387 SILICIOUS FAULT BRECCIA. - (SAMPLE)
(CONTD)		DIRTY - BOTTOM 4" GOUGE. 2-5% Py
		340.9 - 399.5 - CHALCEDONIC QUARTZ BRECCIA
		OR FLOODING 1" GOUGE AT UPPER CONTACT
		FOLLOWED BY 2" QUARTZ BRECCIA WITH BLACK
		SULFIDE? FRAGMENTS. 11" QUARTZ - VUGGY - INTRUSIVE
		DACITE - 1½ BLACK SILICIOUS SULFIDE? ZONE
		THEN BROKEN DACITE WITH QUARTZ - CARB
		STRINGERS. (SAMPLE)
		359.1 - 358.9 GOUGE WITH PYRITE STRINGERS
		366.3 - 367.3 SEVERAL NARROW IRREGULAR
		LESS THAN ¼" BLACK CHALCEDONIC STRINGERS
		5 - 10% VOLUME OF CORE.
		370.3 - 371 - DYKE. GREEN PORPHYRITE.
		FRAGMENTAL TEXTURES BECOMING APPARENT
		AT END OF HOLE.
		378 END OF HOLE
		DRILLED BY FOLEY CREEK SERVICES LTD.

SEE MOORE PRINT, SMITHERS

SEE-MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 83/9.

DATE DEC 16-17 1983

COORD 22655 N 20515 E

ELEV. 2930 Az 225

LENGTH 378 DIP -45

LOCATION ALIMAK RAISE.

CORE SIZE BQ

PURPOSE CUT VEIN ABOVE SUBLEVEL

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
0	9	CASING										
9	171.3	WASTE										
171.3	178.9	3" VEIN AND SILICIOUS Py ROCK	24314	7.6	7.6		.010	1.32	.830	.04	1.92	
178.9	180.4	CRACKLE ZONE WITH SPH.	24315	1.3	1.3		.022	3.32	.108	1.25	4.35	
180.4	183.5	ALTERED.	24316	3.1	3.1		.015	2.04	.066	.25	1.02	
183.5	189.5	SPH - Py VEIN.	24317	1.0	1.0		.180	33.80	1.065	1.54	19.95	
189.5	198.0	ALTERED - LOCALLY 30% Py	24318	3.5	3.5		.008	.89	.028	.23	.38	
198	223.6	WASTE			16.5		.021	3.48	.243	.30	2.94	
223.6	225.8	WK ALT HANGING WALL.	24319	2.2	2.2		.001	.10	.045	.01	.02	
225.8	226.9	MASSIVE PYRITE.	24320	1.1	1.1		.012	1.20	.274	.05	.02	
226.9	335.8	WASTE										
335.8	337	SILICIOUS FAULT BRECCIA	24321	1.2	1.2		.005	.13	.006	.08	.16	
337	340.9	WASTE										
340.9	343.5	CHALCEDONIC QUARTZ BRECCIA	24322	2.6	2.6		.010	.01	.003	.04	.18	
343.5	378	WASTE										
		378 END OF HOLE										

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/10

DATE Dec 16-20 19

COORD 22990N 20715E LOCATION _____ LOGGED BY Robert & Todd

ELEV. 3010 AZ 225° CORE SIZE BQ DATE Dec 29 & Jan 6-7

LENGTH 608 DIP _____ PURPOSE _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	20	CASING
20	42	20 - 33 9.3' LOST
		33 - 37 1.9' LOST
		37 - 45 0.7' LOST.
		45 - 48 0.4' LOST
		48 - 58 6.0' LOST
		BRECCIA : AGGLOMERATE.
		FINE GRAINED PURPLE PORPHYRITIC BASALT?
		FRAGMENTS IN FINE GRAINED GREENISH DACITIC
		XTAL TUFF. SECTION HIGHLY BROKEN AND
		FRAGMENTED WITH ABUNDANT GOUGE.
		(PURPLE FRAGMENTS SIMILAR TO THOSE IN
		81-4.) FRACTURES NOT SLICKENSIDED.
		DUE TO NATURE OF CORE DIFFICULT TO
		TELL WHETHER FAULT BRECCIA OR NOT.
		FINE FINE XTALINE PYRITE IN PURPLE
		FRAGMENTS.
42	57	VEIN FAULT STRUCTURE:
		42 - 43 PYRITIC FAULT BRECCIA AND GOUGE
		WITH FRAGMENTS OF SPHALERITE IN CARBONATE
		43 - 44 SILICIOUS DACITE WITH 10 - 15 %
		PYRITE AND FEW CARBONATE STRINGERS
		44 - 44.6 MEDIUM GRAINED XTALINE
		BLACK AND ROSIEN SPHALERITE AND
		PATCHY PYRITE IN A COLLIFORM CARBONATE
		- CHALCEDONIC QUARTZ VEIN
		44.6 - 45.7 DARK GREEN SILICIOUS MATERIAL
		WITH 15 - 20 % PYRITE AS STRINGERS AND
		FINELY DISSEMINATED
		45.7 - 48 FAULT BRECCIA - ALTERED DACITIC
		FRAGMENTS IN GOUGE
		48 MUD LOCK ON TUBE LOST CORE.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/10

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
42	57	48-58 10" FELTED DACITE PORPHYRY
(CONT'D)		39" GREEN SILICIOUS MATERIAL WITH
		10% DISSEMINATED PYRITE AND FEW
		STRINGERS. (SUSPECT CORE IN BOX
		BACKWARDS) SEVERAL PIECES SHOW REDRILL
		IMPOSSIBLE TO GET CORRECT FOOTAGES
		AS CORE PIECES DUMPED IN BOX OUT
		OF ORDER AND SUSPICION SOME IN BACKWARDS.
57	437.3	DACITE XTAL TUFF:
		68-78 - 3.5' LOST REDRILL AT 70.1 '75
		20-30 % FINE GRAINED SUBHEDRAL PLAGIOCLASE
		IN A MEDIUM GREY FELSIC GROUNDMASS - COARSNESS
		OF PHENOCRYSTS FAIRLY UNIFORM - NON-FRAGMENTAL?
		76.1 - 76.6 WEAK SHEAR.
		101.5 - 102.5 WEAK SHEAR.
		108 1/2" PYRITIC GOUGE.
		123.7 - 139. BANDED - SLIGHTLY DARKER
		GREY MATERIAL. NUMEROUS IRREGULARLY
		SPACED DARKER GREY FELSIC BANDS UP TO
		1"
		135.7 2" XTALINE PYRITE CALCITE STRINGER
		182.5 1/8" ROSIDAN & BLACK SPHALERITE -
		CARBONATE STRINGER AT 30°
		213 2" PYRITIC GOUGE. (50% Py)
		AFTER 168 FRAGMENTAL NATURE -
		NO VARIATY IN GRAIN SIZE APPARENT.
		LOCAL AREAS EXHIBIT SLIGHT BUT APPARENT
		INCREASE IN PYRITE GRAIN SIZE.
		FEW NARROW DARK FELSIC BANDS.
		230.5 - 231.3 SILICIFIED WITH 1" 60%
		Py BAND FOLLOWED BY 1/2" GOUGE AT LOWER
		CONTACT.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/10

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
57	937.3	AFTER 233 TEXTURE MORE PRONOUNCED
(CONTD)		DUE TO COLOUR VARIATION.
		259 - 267 WEAK TO MODERATE SHEAR
		ZONE.
		287.8 1/2" SILICA - PYRITE STRINGER
		301.9 1" GOUGE.
		AFTER 287 FRAGMENTAL TEXTURE STRONGER.
		309 - 324.8 CORE WEAKLY ALTERED (BLEACHED)
		AND EXHIBITS WEAK IRREGULAR FLOW?
		BANDING. FAIRLY NUMEROUS TIGHT PYRITE
		FRACTURES.
		809.5 AND 311.9 - 1" QUARTZ - PYRITE STRINGERS.
		FEW GOUGEY FRACTURES.
		330.1 - 330.3 40% Py - SPH IN WEAKLY SILICIFIED
		STRINGER.
		333.3 - 3/4" SPH - GALENA - PYRITE VEINLET.
		NO APPARENT ALTERATION HALO.
		338 - 1" GOUGE.
		338 - 342 - FEW SLIGHTLY COARSER PHENO'S
		EXHIBIT BRIGHT GREEN MALACHITE COLORATION.
		348 - 352.5 WEAKLY SILICIFIED - WITH
		SEVERAL 1/8" SILICA STRINGERS AND FEW
		GOUGEY FRACTURES.
		AFTER 376 INCREASE IN TEXTURAL VARIATIONS
		DUE TO COLORATION CHANGES AND WEAK
		SILICIFICATION AREAS.
		AFTER 398 COARSE FRAGMENTAL TEXTURE
		MORE APPARENT - CORE HAS PALE GREENISH
		TINT - INCREASE IN WEAKLY PORPHYRITIC
		FELSIC AREA'S.
		426 - 426.8 WEAK SHEAR
		AFTER 936.8 CORE VERY WEAKLY SILICIFIED.
		3 - 5 % FINELY DISSEMINATED PALE PINK
		GARNETS?
		932.9 1/8 SPH - CARBONATE STRINGER

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NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/10

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
57	437.3	426.9- 437.3 HANGINGWALL SECTION
(CONT'D)		WEAKLY FRACTURED - ONLY SLIGHT INCREASE
		IN PYRITE. FEWER THAN USUAL NARROW
		STRINGERS. BOTTOM 6" GOUGE.
437.3	441.0	VEIN.
		60% WEAKLY VUGGY WHITE CHERTY QUARTZ
		WITH 20-30% FINE-MEDIUM GRAINED - SUBROUNDED
		PYRITE BALLS AS "LOOSE" STRINGERS, FEW
		IRREGULAR EARTHY SULFIDE SECTIONS AND
		1-2% MEDIUM TO COARSE ROUNDED VERY FINE
		GRAINED ROSIAN SPHALERITE SPLOTCH'S.
		BOTH CONTACTS IRREGULAR AT 50°
441.0	496.5	FOOTWALL ZONE:
		SILICIOUS RHYODACITE FRAGMENTAL.
		20% ALTERED DACITIC FRAGMENTS IN A PALE
		GREEN RHYOLITIC TO RHYO-DACITIC GROUNDMASS.
		F.W ZONE END WITH LAST OF 3PH FRACTURES
		NOT REAK TYPE. ONLY 7 MINERALIZED FRACTURES
		IN ZONE AND 1% DISSEMINATED ROSIAN SPHALERITE.
		GENERALLY GOOD GROUND.
496.5	543.9	RHYO-DACITE FRAGMENTAL
		NON-DESCRIPT VARING TEXTURE WITH
		SECTION OF DACITE TUFF PORPHYRY - DACITIC
		FRAGMENTAL - "SMALL" FRAGMENTAL WITHIN
		PALE GREENISH RHYO-DACITE GROUNDMASS.
		NUMEROUS TIGHT FRACTURES. - FAIR TO
		GOOD GROUND.
		LESS THAN 1% PYRITE AS CLOTS OR
		STRINGERS. LOCAL NARROW SECTIONS 1-5"
		WITH UP TO 10% MN-PY
		458.1 - 461.2 ALTERED WEAK SILICIFIED
		GREY MATERIAL WITH SEVERAL PY STRINGERS

SEE MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/10.

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
446.5	593.9	AND 2" ROSIAN SPH AT 459.9 AND 1/2" ROSIAN
CONT'D.		SPH AT 461.2. (SAMPLE)
		485-486 BROKEN AROUND 1/2" QTZ-PY
		STRINGER.
		494-494.6 WEAK SHEAR - BROKEN WITH
		GOUGE.
		505-510 ALTERED - KAOLINIZED & LOCAL
		SILICIFICATION.
		506.1 - 507.7 20-30% PY AS
		NEAR SOLID STRINGERS.
		509.6-510 NEAR SOLID PYRITE.
		(505-510 SAMPLE)
		AFTER 516 CORE WEAKLY BROKEN - SEVERAL
		OPEN VUGGY FRACTURES. DACITIC FRAGMENTS
		MODERATE - STRONG GREENISH KAOLWITE.
593.9	597.4	HANGING WALL ZONE:
		4-5 PYRITIC FRACTURES AND/OR NARROW
		STRINGERS PER FOOT. (SAMPLE)
597.4	599.5	VEIN. (FOOTWALL VEIN?)
		50% MODERATELY DIRTY FINE MASSIVE
		PYRITE "BALLS" IN IRREGULAR STRINGERS WITHIN
		GREEN SILICIOUS BRECCIA. TRACES ROSIAN
		SPHALERITE. (SAMPLE)
599.5	600.7	RHYO-DACITE FRAGMENTAL.
		SIMILAR TO ABOVE - SLIGHTLY MORE
		SILICIOUS.
		557.3 - 559 STRONG SILICIFICATION
		AROUND 1/2" PYRITE STRINGER AT 558.9.
		564.3-564.6 QUARTZ "GRAPHIC" BRECCIA
		VEIN.
		568.2-570.4 QUARTZ GRAPIC BRECCIA VEIN
		WHITE "GRAPHIC" QUARTZ WITH FRAGMENTS

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 83/10

DATE

COORD _____ LOCATION _____ LOGGED BY _____

ELEV. _____ AZ _____ CORE SIZE _____ DATE _____

LENGTH _____ DIP _____ PURPOSE _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
549.5	605.7	AND BANDS GREY CHERTY QUARTZ.
CONT'D		CONTAINS TRACES FINELY DISSEMINATED
		DIRTY PYRITE AND A 1/16" PYRITE STRINGER
		(SAMPLE) NOTE: LOOKS LIKE QUARTZ BUT
		SOFTER & SPLITS EASY - ALTERED RHYOLITE?
		AFTER 580 FRAGMENTAL TEXTURE VERY
		APPARENT - LOCALLY "NEAR BRECCIA" TEXTURE.
605.7	608	ALTERED DACITE XTAL TUFF:
		30% FINE MATTED PHENOCRYSTS IN
		PALE - MEDIUM GREEN GROUNDMASS.
		CONTACT SHARP BUT IRREGULAR AT 15°
		TO AXIS.
		608 END OF HOLE.
		DRILLED BY FOREY CREEK SERVICES.

SEE-MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 83-10

DATE DEC 16-20 1983

COORD 22990 N 20715 E LOCATION

ELEV. 3010 Az 225° CORE SIZE BQ

LENGTH 608 FT DIP -45 PURPOSE CUT VEINS BELOW SUBLEVEL

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH FT	REC FT		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
0	20	CASING										
20	42	WASTE										
42	43	PYRITIC FAULT BRECCIA	24323	1.0	8"		0.013	3.30	0.237	0.64	1.53	
43	44	10-15 % PYRITE	24324	1.0	15"		0.012	0.73	0.060	0.21	2.26	
44	44.6	SPHALERITE VEIN	24325	0.6	8"		0.040	10.02	0.775	3.08	18.90	
44.6	45.7	15-20% PYRITIE	24326	1.1	1.1		0.011	1.28	0.078	0.18	0.34	
45.7	48	WASTE										
48	58	10% PYRITE	24327	10	3.3		0.003	0.17	0.021	0.08	0.28	
58	437.1	WASTE										
437.1	441.0	QUARTZ PYRITE SPHALERITE	24328	3.9'	3.5		0.170	15.60	0.175	1.29	0.89	
441.0	446.5	FOOTWALL	24329	5.5	6.1		0.003	0.38	0.019	0.12	0.41	
446.5	458.1	WASTE										
458.1	461.2	SILICIFIED - Py & SPH STRINGERS	24330	3.1	2.9		0.032	1.79	0.012	0.01	3.92	
461.2	505	WASTE										
505	510	KAOLINIZED - Py BANDS	24331	5.0	5.0		0.017	1.28	0.172	0.11	0.60	
510	543.9	WASTE										
543.9	547.4	HANGING WALL	24332	3.5	3.5		0.012	0.85	0.059	0.14	0.51	
547.4	549.5	Py -TR SPH F.W. VEIN	24333	2.1	2.1		0.153	29.50	3.985	0.42	1.44	
549.5	568.2	WASTE										
568.2	570.4	"QUARTZ" VEIN	24334	2.2	1.6		0.001	0.10	0.025	0.01	0.02	
570.4	608	WASTE LOG END OF HOLE										

NEW NADINA EXPLORATION LTD.	
REID EXPLORATION SERVICES LTD.	
SILVER QUEEN MINE	OWEN LAKE, B.C.
SURFACE PLAN	
DRWN. BY ÷ R.E.R.	DATE ÷ JAN. 4, 1981
N.T.S. ÷ 93L2	SCALE ÷ 1:1200 (1" = 100')