ASSESSMENT REPORT

SILVER QUEEN MINE

OWEN LAKE, B.C.

1984 Surface Diamond Drilling

OMINECA MINING DIVISION

NTS 93L2

LATITUDE: 54 degrees 05' **LONGITUDE:** 126 degrees 44'

CLAIMS:	As in text
OWNERS:	New Nadina Explorations Ltd. Placer Development Ltd.
OPERATOR:	New Nadina Explorations Ltd.
CONTRACTORS:	Foxy Creek Services Ltd. Reid Exploration Services Ltd.
AUTHOR:	Robert E. Reid

August 18, 1984

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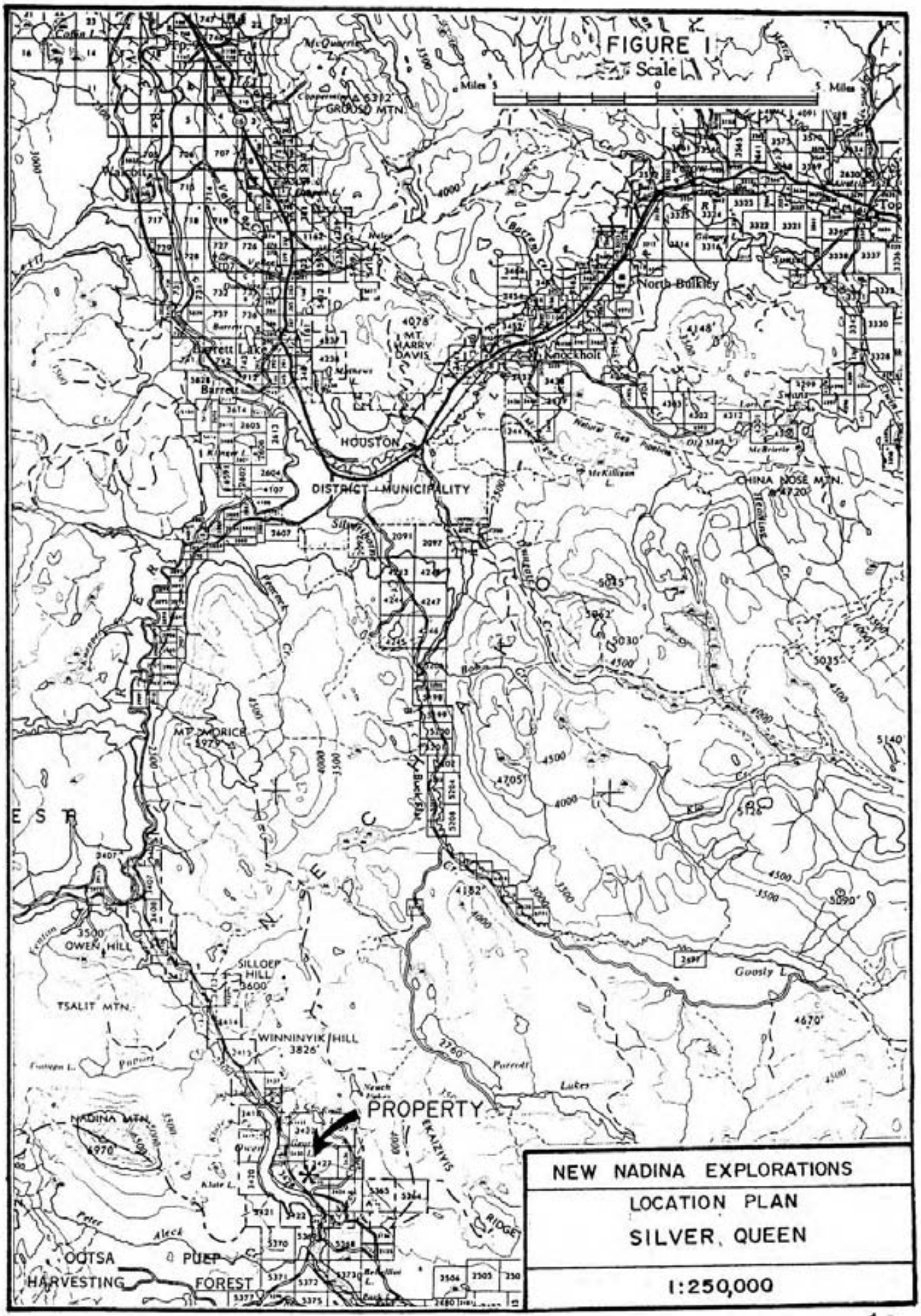


FIGURE 1
Scale
5 0 5 Miles
GROUSE MTN.
Barrett Lake
Barrett
HOUSTON
DISTRICT MUNICIPALITY
MT. HARRY DAVIS
4078'
North Bulkley
Knockholt
CHINA NOSE MTN.
MT. MORICE
OWEN HILL
3500
SILLOEP HILL
3600'
TSALIT MTN.
WINNINYIK HILL
3826'
NADINA MTN.
PROPERTY
OOTSA
HARVESTING
PULP
FOREST
Goosly L.
NEW NADINA EXPLORATIONS
LOCATION PLAN
SILVER, QUEEN
1:250,000

INTRODUCTION

During the period February 12 - June 1 1984 New Nadina Explorations Ltd. completed 5 surface Diamond Drill Holes for a total of 2592 ft. (790.04 m) on the Silver Queen Property. The purpose of the program was twofold:

1. Additional testing of the Ruby extension vein and initial testing of the "Footwall" veins above the 2600 level, accessiable from the present workings.

2. Test Geological - Geochemical anomaly between the tailings pond and Chisholm shaft.

Foxy Creek Services Ltd. of Greenwood, B.C. undertook the drilling contract, utilizing a Diamac 260 hydraulic driill equipped with BQ wireline. Drilling commenced on a single shift basis on February 14 with the final hole being completed on March 2, 1984. 340 ft. of core was recovered in a 12 hour shift in D.D.H. 15 on March 1.

New Nadina Explorations Ltd, supplied room and board for the crew at the Silver Queen mine site camp.

Initial logging and sampling of the core was cpmpleted during the drilling program, with several re-examinations and additional sampling phases conducted thereafter.

Diamond drilling was conducted on the IXL No.3, Asta Fr., and Mae No.1 crown granted claims.

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.

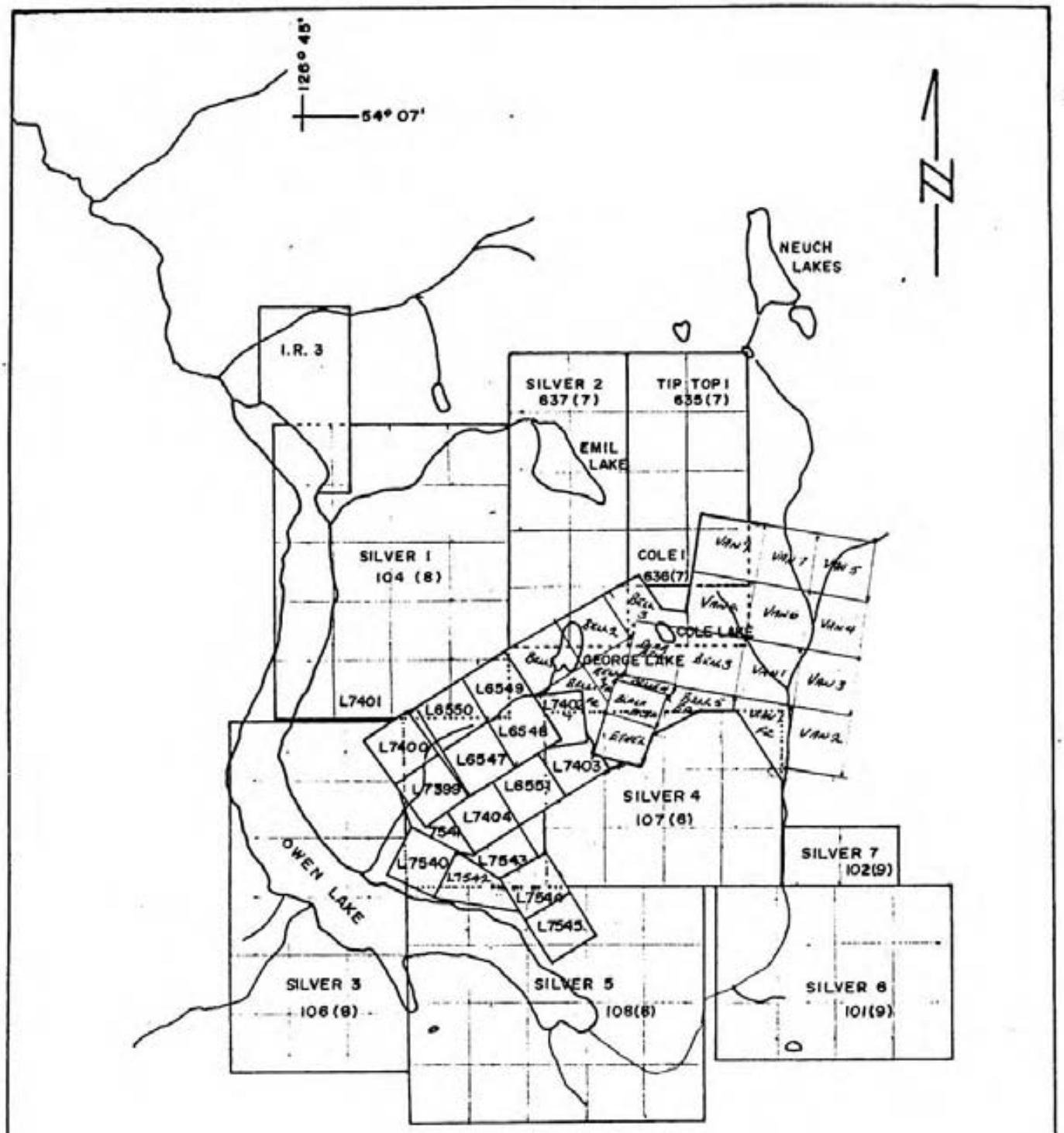
PROPERTY

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 claims 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. 93L2

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. The discovery was staked as the Silver Queen group which became the property of Dr. H.C. Wrinch of Hazelton, B.C. and Partners.

The Chisholm Group was staked soon after the original discovery and in 1915 a shipment of 38 tons, assaying 6 oz Ag and 31% Pb was made from the development of two shallow shafts.

The Diamond Belle Group (Cole Vein) was staked in 1915. The Federal Mining and Smelting Company secured an option on the Silver Queen Group during 1923 and completed approximately 500 feet of drifting in three adits on veins in Wrinch Canyon, (2880 Level) before relinquishing the option 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 which aroused a great deal of interest and during the spring of 1929. The property was examined by representatives of several large mining companies. In July 1929, Norm A. Timmins optioned the control of the Owen Lake Mining and Development Company for $1,000,000.00 making an initial payment of $150,000.00. Mr. Timmins dropped the option in the spring of 1930 but retained an interest of approximately 20% of the shares in the company.

During this development program which included 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 feet. Drifting was completed at the 75 foot level. After establishing the width and continuity of this vein the shaft was allowed to fill with water and work commenced on the Earl Adit (2600 level), a long adit to cross-cut the Wrinch veins and eventually the Cole vein at depth. The Earl adit was started on a bearing of N58 degrees E, designed to intersect the Cole Vein 514 feet below the collars of the Cole Shaft at a distance of 6,700 feet from the portal. The plan was altered at 2200 feet at which point the drift was diverted to the left on a bearing of N 4 degrees E in order to cut the Wrinch Vein system 284 feet below the ore exposed in the Federal Mining and Smelting drifts in Wrinch Canyon. By December 31, 1929 the tunnel had reached a point 2,765 feet from the Portal, penetrating the No. 2 vein at 2,665 feet and the No. 3 vein at 2,760 feet. By February 10, 1980 the face was at 2,930 feet with drifting continuing to approximately 3,000 feet.

During the Earl Adit drive a number of "unexpected" veins were encountered and approximately 1,020 feet of cross drifting was completed. This phase of underground exploration and development ceased in February 1930.

Canadian Exploration Ltd. acquired the property in 1941 by leasing the Silver Queen Group crown granted claims from the Provincial Government, staking open ground and optioning 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 was mapped and sampled. The program was apparently shelved at that time with the option on the Cole property being dropped in 1943 due to a required expenditure which was not considered justified at the time.

Work on the Silver Queen recommenced in 1946 and the Earl Adit was cleaned out in 1947 making all working accessable. Detailed reports on the properties were prepared by Nesbitt in 1941 and Batten in 1949. No further exploration programs were undertaken by Canex after 1947 although they retained and/or acquired 17 crown granted claims in the camp.

Nadina Explorations acquired the property through staking and an agreement with Canex in 1963. Worked commenced on the Property in 1965 with the portals being retimbered, adits cleaned, 3,500 feet of bulldozer trenching, and an access road to the 2,880 level being constructed up Wrinch Creek.

1966: -Mine workings rehabilitated
-292 feet raise (Bill White raise) drive between levels.
-1,296 feet of drifting and cross cutting
-3,000 feet of bulldozer trenching
-Dump facilities erected at 2,600 level portal
-New access road constructed to 2,880 level portals.

1967: -Underground drifting and cross cutting initiated in 1966 continued on the 2,880 level total 1,324 feet.
-16 DDH for a total of 1,559 feet.
-The underground program was discontinued in May and the property was optioned to Kennco Explorations Ltd.

Kennco Explorations Ltd.undertook,Topographical Geological, I.P. and Geochemcial Survey.
-5 DDH for 1,511 feet
-2,000 feet trenching
-10,000 feet of stripping and test pitting.

Kennco subsequently dropped the option. After concluding the property contained little Porphyry copper potential.

1968: -Detailed Geological mapping of underground workings.
-Soil Sampling over approximately 10 miles
-30 trenchs totalling 5,000 linear feet
-1,600 feet stripping
-20 cuts blasted
-22 underground DDH for 660 feet
-Commence underground development.

1969: -B.C.D.M. N. Church conducted geological mapping of entire property on a scale of 1"=1,000'
-Ariel magnetometer and electromagnetic surveys
-Completed Geochem Survey
-31 Surface DDH for 10,637 feet
-20 Underground DDH for 3,561 feet
-4,000 feet of drifting.

1970: -Northgate becomes involved in program through stock takedown.
-Surface DDH's totaling approximately 13,500 feet
-Underground DDH's totalling 1,500 feet
-Approximately 1,750 feet of drifting on 2,600 level
-1,200 feet of raise
-350 feet of subdrift
-Stope preparation giving 2,000 tons
-Earl Adit enlarged

1971: -Bradina Joint Venture formed (Nadina, Bralorne, Pacific Petroleum) for the purpose of bringing the property to production.
-Feasability study by Dolmage Campbell
-Underground geological mapping 1"-20'
-20 line miles VLF EM
-10 line miles I.P.
-5 surface DDH for 6,000'
-117 feet drift
-204 feet subdrift
-498 feet raise
-15,000 tons stockpiled from 8 stope preparations.
-Camp facilites expanded and site facilities 80% complete by year end.

1972: -Construction completed on 500 T.P.D. concentrator and ancillary installations
-111,907 Tons milled
-154,207 Tons ore broken
-691 tons waste
-86,303 Tons trammed
-27,261 tons from stockpile
-3,208 feet subdrift
-1,999 feet raise
Original shrinkage stoping discontinued and stopes being cleaned down. By year end all ore from open stull, open square set, or room and pillar stopes.
-EM Survey completed over 2/3 property
-15 Surface DDH's for 4,240 feet
-25 underground DDH's for 3,953 feet

1973: -624 feet drift
-1,887 feet subdrift
-1,913 feet raise
-59,976 tons broken
-80,800 tons milled taken from: Franklin C. Price Report October/73
-32 surface DDH for 8,083' tonnage total January-June 1973
-43 Underground DDH for 4,157'

Operations ceased in September 1973 and the mill and mining equipment were subsequently sold and all structures removed from the site by 1977.

1974: Bralorne completed 528' of drifting to establish two underground drill stations.
-6 underground DDH for 2,021 feet
-3 surface DDH for 3,867 feet

1977: The property was optioned by New Frontier Petroleum Limited and a limited surface Diamond Drilling Program was completed.

1980: After Company reorganization New Nadina Explorations Ltd. commenced with a trenching program. During which 8,520 linear feet of backhoe trenching were completed.
-2 surface DDH for 1,014 feet
-4,600 feet of 2,600 level rehabilitated
-Shop and dry facilities constructed.

1981: Rehabilitation of 2,600 level completed
-4 surface DDH for 1,776 feet
-28 underground DDH for 6,470 feet
-472 feet of drifting for the establishment of 3 underground drill stations.
-Rehabilitation of Alimak Raise

Bulkley Silver Resources Ltd. established a 22 man camp on the site and completed 100 feet of drifting on the original Cole Shaft drive before the program was suspended due to financial restraint.

1982: Campbell Resources ltd. undertook a comprehensive review of all available data. Their interest terminated with reorganization of that company.
Questor completed a limited airborne EM survey over a portion of the property which was financed by Noranda.
A limited amount of metallurgical research was conducted.

1983: 6 surface DDH for 3,405 feet.

GEOLOGY

Church BCDM Annual Report - 1969

The Owen Lake area is underlain mainly by an 'old series' of lava pyroclastic rock of either late mesozoic or early Tertiary age and a small area of young series Tertiary volcanic rocks which is probably the local equivalent of the Ootsa Formation (Eocene?) These rocks are cut by stock-like igneous intrustions, 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 teantite-tetrahendrite in a gangue consisting of varying amounts of rhodochrosite, quartz, chalcedony and barite. Economic minerals consist of Au, Ag, Cu, Pb, Zn, Cd. Vein 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 supposition 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 1,000 feet X 500 feet averaging 4.5 feet wide.

RESULTS

1. Diamond drill holes 84-11 thru 84-13 are drilled on mine grid sections and intercepted the Ruby extension or No.4 Vein as well as 3 footwall veins. Additionally 84-11 intercepted several zones of significant mineralization on the hangingwall of the No.4- Ruby vein structure.

2. 84-14 intercepted little of apparent significance.

3. 84-15 intercepted a large "siliously" altered zone in which 17.7 ft. averaged 5.32 oz. per ton Ag

CONCLUSIONS

1. Hole 84-11 thru 84-13 prove the existance of the footwall structures and although the grades intercepted are classified as "post production" (less than 10 oz. Ag) great significance is placed on the apparent strenghening of the veins at depth. This fact combined with the limited vertical extent above the drill intercepts when compared with mineralization in the No.4- Ruby system and limited information on the No. 3 drill station- tennantite vein, argue STRONGLY for good ore potential at greater depth.

2. Hole 84-15 is extremely significant in that it is the first known intercept on the property to contain a broad strongly mineralized zone on a vein hangingwall, and also the first known occurence of significant values from what appears to be disseminated mineralization. It also contains the strongest "silious" alteration zone encountered to date.

RECOMMENDATIONS

1. A thorough underground diamond drilling program to test the footwall veins at depth.

2. Drilling of the 5 vein structure in anticipation of possible decline route.

3. Follow-up on the 84-15 intercept. This area contains a roughly coincident Questor Airborne EM anomaly and a strong VLF anomaly striking through the north end of the tailings pond. Backhoe trenching to be phase 1 of the program.

REFERENCES

BCDM MMAR For the Years:	1916	pp 160
	1923	pp 114-116
	1924	pp 99-100
	1928	pp 170-171
	1929	pp 171-175
	1965	pp 81-84
PREPRINTS: N.B. Church		
	1966	
	1970	
Holland	1929	GSC Summary Report, 1929 PTA
B.I. Nesbitt	1941	Canadian Exploration Ltd.
H.L. Batten	1949	" "
C.W. Ball	1955	" "
W.H. White	1965	Nadina Explorations Ltd.
	1968	" "
A.G. Pentland	1968	" "
C.S. Ney & G.O.M Stewart	1968	Kennco Explorations(West) Ltd
	1971-1974	Bradina Files
	1977	New Frontier Petroleum Files
	1980-1983	New Nadina Exploration Files

STATEMENT OF COSTS

1.	Foxy Creek Services Ltd. : Invoice		
	2406 ft. @ $12.00	28,872.00	
	186 ft. @ 15,00	2,790.00	
	112 core boxes	836.76	
	oil & grease	391.60	
	Labour	100.00	
	Demobilization	2000.00	
		34991.36	34,991.36
2.	Jarb Holdings Ltd.: Invoice		
	John Deere 450 rental & transport		660.00
3.	Reid Exploration Services Ltd.: Invoices		
	R. Reid - professional services	3750.00	
	J. Hemelspeck 5 days @ 75.00	375.00	
	Van rental	500.00	
	Supplies	273.00	
	Gas	247.44	
	Telephone	151.15	
	Report: typing, printing, etc.	100.00	
		5396.59	
			5,396.59
4.	Assaying: Min-En Laboratories		
	59 Au, Ag, Cu, Pb, Zn, @ $34.00	$2006.00	
	95 Au, Ag, @ 16.50	$1567.50	
		3573.50	
	Freight	436.51	
			4010.01
5.	Groceries and camp supplies		1,314.82
6.	Light plant rental 1 mo.		2,000.00
			$48,372.78

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.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 89 - 11

DATE FEB 14 - 19/89

30616N 28077E

COORD 23008.25N 20290.36E LOCATION SECTION 28100E LOGGED BY Robert E Fair

ELEV. 3032.30 AZ 225 CORE SIZE BQ DATE FEB 16 - 26 1989

LENGTH 598 FT. DIP -45 PURPOSE CUT No 3 ; F.W VEIN STRUCTURES.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	15	OVERBURDEN.
		CASING TO 20'
15	36.5	XTAL TUFF FRAGMENTAL
		60% IRREGULAR ROUNDED PORPHYRITIC
		FRAGMENTS OF XTAL TUFF IN A PURPLISH
		RHYO-DACITIC INJECTED GROUNDMASS. IRREGULAR
		BANDING. FRACTURES STRONGLY OXIDIZED - IRON
		STAINED. 1-2% DISSEMINATED PYRITE
36.5	45.5	MICRODIORITE:
		MEDIUM GRAINED HYPIDIOMORPHIC GRANULAR
		WEAK CHLORITIZATION OF MAFICS. HIGHLY FRACTURED.
		FRACTURES SHOW WEAK IRON STAIN.
45.5	78.9	XTAL TUFF FRAGMENTAL:
		GREY, PORPHYRITIC - SIMILAR IN TEXTURE
		TO MICRODIORITE - LACKS MAFICS - PURPLISH
		RHYODACITIC GROUNDING LESS THAN 10% AND
		LOCALLIZED. 3-10% DISSEMINATED PYRITE. MODERATELY
		BROKEN WITH SEVERAL WEAK GOUGEY SECTIONS.
78.9	79.8	SHEAR
		CRUMBLY KAOLINITIC GOUGE.
79.8	259.5	DACITIC TUFF.
		FINE GRAINED MOTTLED TEXTURE CAUSED
		BY FINE GRAINED ANHEDRAL FELDSPARS
		AND 10% DISSEMINATED SPOTS PYRITE.
		YELLOWISH GREEN TINT TO CORE.
		101-122.0 SPARKLED APPEARANCE DUE
		TO NUMEROUS HAIRLINE PYRITIC FRACTURE.
		TRACES BLACK SPHALERITE.
		122-122.8 WEAKLY SILICIFIED - 10-15%
		PYRITE - TRACES ROSIN SPHALERITE

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-11

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
79.8	259.5	127.3-127.5 VUGGY QUARTZ-CARBONATE
(CONT'D)		WITH PYRITE & SPHALERITE.
		135-135.8 WEAK QUART-CARBONATE VEIN.
		127.5-135 FEW NARROW Py-Sph STRINGERS
		1-3 % PYRITE IN GREENISH YELLOW
		ALTERED MATERIAL.
		135.8-141.8 ALTERED GREENISH SERICITIC
		WITH FEW PINKISH CALCITE STRINGER
		CARRYING SPALERITE. 137.3-137.6 SHEAR.
		154.1 1/8" SPHALERITE STRINGER.
		AFTER 154.1 CORE GREY - FELTED DUE TO
		WEAK SILICIFICATION?
		154.5-155.6 WEAK SILICIOUS PYRITIC
		VEIN.
		155.6-164 SEVERAL NARROW PYRITIC
		SPHALERITE FRACTURES - 3" WEAK PYRITE
		ZONE 1ST 164
		170.9-187.0 SEVERAL PYRITIC SPHALERITE
		FRACTURES.
		STRUCTURE FROM 154.1-204 POSSIBLY VEIN
		FEATHER ZONE.
		204-217.5 GREENISH FELTED MATERIAL
		WEAK SULFIDES - WEAKLY FRACTURED.
		217.5-228.3 INTERMIXED GREY AND GREENISH
		- WEAKLY SILICIFIED. NUMEROUS PYRITE
		STRINGERS - FEW CARBONATE - SPHALERITE
		7-10 % DISSEMINATED PYRITE.
		AFTER 228.3 MOTTLED YELLOWISH-GREEN
		WITH PINKISH TINGE. FEW ERRATIC -
		STRANGE FRAGMENTS - "ASH FLOW LOOK"
		248.9-249.5 BRECCIA VEIN.
		AFTER 254.5 GREY COLOUR DUE TO WEAK
		SILICIFICATION.

SEE MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

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ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
259.5	268	VEIN STRUCTURE?
		SILICIFIED WITH VERY FINE GRAINED QUARTZ
		AFTER 262 BROKEN & GOUGEY. FEW NARROW
		CARBONATE SPHALERITE STRINGERS - 5-10% MEDIUM
		DIRTY PYRITE AS DISSEMINATIONS, NARROW STRINGERS
		AND IRREGULAR "BLOBS" 85% SILICIOUS ALTERED
		DACITE.
268	299.6	DACITIC TUFF:
		FINE GRAINED ANHEDRAL GRANULAR -
		YELLOWISH GREENISH COLOUR - LOCALLY WEAKLY
		PORPHYRITIC. WEAK - MODERATELY FRACTURED
		AND FEW GOUGEY FRACTURES. TRACES FOLIED
		SPHALERITE AT 269.5 AND 279. SEVERAL SPHALERITE
		PYRITE STRINGERS TO 288.9
		288.9 → 2" PYRITE - SPHALERITE - QUARTZ
		CARBONATE. AT 80°
		288.9 - 298.1 FINE GRAINED DACITIC
		TUFF AS ABOVE - SEVERAL HAIRLINE
		PYRITIC FRACTURE AND FEW WITH SPHALERITE
		298.1 - 299.6 WEAKLY SILICIFIED -
		APPROX 15% PYRITE AND 1% SPH.
299.6	301	VEIN
		SILICIFIED DACITIC MATERIAL WITH 30%
		SULFIDES.
301	303.6	PORPHYRITIC DACITE
		SLIGHTLY COARSER GRAINED BUT SIMILAR
		IN COLOUR AND APPEARANCE TO ABOVE.
		10% PYRITE (BLEBS) 1% SPHALERITE
303.6	304.6	VEIN.
		SILICIFIED DACITIC MATERIAL WITH BANDS OF

NEW NADINA EXPLORATION LTD.

HOLE No. 84-11

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LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		SULFIDES. 30-40% SULFIDE — UPPER CONTACT ½" GOUGE — BOTTOM FRACTIONAL OVER 2" (DECREASING PYRITE)
309.6	405.9	DACITE: FINE TO MEDIUM GRAINED ANHEDRAL GRANULAR-WHITE - PSEUDO GRANITIC TEXTURE DUE TO 10-15% DISSEMINATED FINE TO MEDIUM GRAINED PYRITE SPOTS. WEAK TO MODERATELY FRACTURED WITH MOST CONTAINING GOUGE. SEVERAL NARROW (UP TO 1 FOOT) CRUMBLY GOUGE SECTIONS. 308.2-308.4 FAULT GOUGE. WITH 4-⅛" SULFIDE STRINGERS. GROUND CORE 338-339. 346-346.7 ½" IRREGULAR SILICIOUS PYRITE SPHARITE VEINLET AT 20° 356.1-357.5 REHEALED FAULT BRECC'D 2' LOST CORE & REDRILL 363 AREA. 362.5 ½" Py-CPy STRINGER END OF REDRILL CORE. 364-364.7 GOUGE. 366-366.6 WEAK VEIN. - SILICIOUS - 10-15% PYRITE, WK CARBONATE STRINGERS. 366.6-381.8 ALTERED. - WEAKLY SILICIFIED 5-10% PYRITE — TRACES SPHALERITE. 379.7-381.8 SEVERAL VUGGY FRACTURES 381.8-391.9 YELLOWISH GREEN CHLORITIFEROUS XTAL TUFF. WEAKLY FRACTURED — LESS THAN 2% Py — FINELY DISSEMINATED BLACK SPECKS OVER LAST 3' 391.9-405.9 MOTTLED GREY-ALTERED DACITIC XTAL TUFF FRAGMENTAL. - PSEUDO-MONZONITIC LOOK. NUMEROUS STRINGER AND 10-15% DISSEMINATED PYRITE.

SEE MOORE PRINT, SMITHERS

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LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		403 - 2" GREY APHANITIC BAND.
		403 - 405.9 TIGHT FRACTURES GIVING CRACKLED TEXTURE. - FRACTURES PYRITE AND BLACK SPH ?
405.9	409.8	GREY GREEN PYRITIC SILICIOUS ZONE. MASSIVE PYRITE: 2" 405.9. 1" 407.5 2" 409.8 ALSO NUMEROUS STRINGERS AND - 10-15% DISSEMINATED - TRACES BLACK SPHALERITE.
409.8	457.3	DACITIC XTAL TUFF: FINE - MEDIUM ANHEDRAL GRANULAR TO WEAKLY PORPHYRITIC. LIGHT - MEDIUM GREY COLOUR. WEAKLY FRACTURED - LOCAL TIGHT "CRACKLED" PYRITE STRINGERS SPHALERITE STRINGERS - LOCALLY UP TO 15% DISSEMINATED PYRITE SPOTS. 437.7 1/4" QUARTZ VEINLET 431.8 3" QUARTZ PYRITE EARTHY SULFIDE VEINLET 435.3 - 439.9 PALE GREENISH GROUNDMASS WITH SAUSSERITIZED FELDSPAR PHENO'S 441.9 - 443.8 1/8" Py-Sph ALONG CORE AXIS. 450.2 - 452.2 WEAK SHEAR - GOUGEY. 455.1 - 456.6 SILICIFIED. 456.6 - 457.1 SHEAR GOUGE 457.1 - 457.3. RENEALED BRECCIATED DACITE TUFF.
		LOWER CONTACT AT 50°
457.3	459.9	VEIN:

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FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		457.3 GOING DOWN.
		3" WEAKLY VUGGY QUARTZ 15% Py.
		3" PYRITE - EARTHY SULFIDE - 1 VUGGY FRACTURE CONTAINING FINE GRAINED RED PYRARGYRITE? XTALS.
		3" SILICIOUS BRECCIA 5-10% PYRITE
		6" VUGGY QUARTZ - RHODOCHROSITE WITH PYRITE AND HEMATITE
		10.5" XTALINE PYRITE - SILICA. 60% PYRITE. MORE MASSIVE AREAS MEDIUM TO COARSELY XTALINE.
		6" MOTTLED VUGGY RHODOCHROSITE WITH PATCHES ROSIEN SPHALERITE AND SPECKS GALENA.
		BOTTOM CONTACT SHARP ~~AT~~ 90°
459.9	496.3	DACITIC XTAL TUFF WITH LOCAL SECTIONS AGH.
		FINE TO MEDIUM RANNEDRAL GRANULAR - NUMEROUS TEXTURAL VARIATIONS - MOTTLED LOCALLY DUE TO PYRITIC SILICA STRINGERS OR FRACTURES. NUMEROUS TIGHT PYRITIC FRACTURES - 10-15% PYRITE.
		465.0 ¼" SPH Py. AT 45°
		468 - 468.5 BROKEN - CRUMBLY
		469.9 1" QUARTZ WITH PYRITE AND ½" IN SPHALERITE STRINGER AT 55°
		477.6 - 478.1 MASSIVE PYRITE
		479.8 2" PYRITE QUARTZ
496.3	501.2	BRECCIA:
		DACITIC AUTO-BRECCIA - COARSE FRAGMENTS
		497.2 - 498 SILICIOUS SHEAR GOUGE.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 89-11

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
501.2	502.7	HIGHLY SILICIFIED CONTACT ZONE ?
		5-7% PYRITE TR SPHALERITE.
502.7	506.7	HYBRID ZONE:
		ALTERED MICRODIORITE OR ?
		30% FINE GRAINED, ANHEDRAL, WEAKLY ALIGNED
		FELDSPARS IN FELSIC PINKISH GREY GROUNDMASS
506.7	529.	MICRODIORITE AND ALTERED MICRODIORITE:
		VARYING TEXTURES AND COLOURS. DARKER
		MD WEAKLY MAGNETIC. LOCAL DACITIC LOOKING
		SECTIONS MAY BE RELICS. IE 511.8 - 517. 519-522.
		514.7 - 515.2 DARK GREEN SILICIOUS - PYRITIC
		520.7 1" SILICIOUS PYRITIC
529.	593.5	FELSITE:
		GENERALLY PALE YELLOWISH GREEN. VAGUE
		WEAK XTAL OUTLINES. FINE IRREGULAR PINKISH
		GARNETS ? LOCALLY, GREY SECTIONS SHOWING
		FINE CRYSTALLINITY. GENERALLY SPECKLED
		BY 3% FINELY DISSEMINATED PYRITE.
		WEAKLY FRACTURED.
		555 - 555.9 BRECCIA VEIN
593.5	598	DIABASE DYKE:
		DARK - ANDESITIC - LOCAL WHITE CALCITE
		AMEND'S.
		598 END OF HOLE.
		DRILLED BY FORT CREEK SERVICES LTD.

SEE-MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 84-11

DATE FEB 14-17 1984

COORD 23008.25 N 20290.36 E LOCATION SECTION 28100 E

ELEV. 3032.30 Az 225° CORE SIZE BQ

LENGTH 598 FT. DIP -45 PURPOSE CUT No. 3 & FOOTWALL STRUCTURES.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH FT	REC FT		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
0	15	OVERBURDEN										
15	116	WASTE										
116	122	PYRITIC FRACTURES	16006	6.0	6.0		0.002	0.01	0.002	0.01	0.01	
122	122.8	10-15% Py TR SPH.	16007	0.8	0.8		0.009	0.11	0.013	0.06	1.25	
122.8	127.3	WASTE										
127.3	135	Py - SPH STRINGERS	16008	7.7	7.7		0.003	0.01	0.005	0.01	0.30	
135	135.8	WEAK QTZ - CARB VEIN	16009	0.8	0.8		0.014	0.63	0.055	2.95	4.26	
135.8	141.8	ALTERED WITH FEW CALC STRINGER	16010	6.0	6.0		0.008	0.01	0.006	0.03	0.32	
141.8	154.1	WASTE										
154.1	155.6	WEAK SILICIOUS PYRITIC	16011	1.5	1.5		0.010	1.94	0.329	0.27	0.96	
155.6	169	Py - SPH FRACTURES.	16012	8.4	8.4		0.002	0.02	0.015	0.03	0.30	
169	170.4	WASTE										
170.4	176.5	Py - SPH FRACTURES.	16013	6.1	6.1		0.004	0.01	0.007	0.02	0.10	
176.5	187	" " "	16014	10.5	10.5		0.001	0.01	0.018	0.01	0.10	
187	217.5	WASTE										
217.5	228.3	ALTERED - NUMEROUS Py STRINGERS.	16015	10.8	10.8		0.003	0.06	0.050	0.04	0.10	
228.3	259.5	WASTE										
259.5	268	WEAK VEIN STRUCTURE.	16016	8.5	8.5		0.006	0.40	0.064	0.14	0.31	
268	288.9	WASTE										
288.9	298.1	PYRITIC FRACTURES.	16017	9.2	9.2		0.008	0.32	0.104	0.08	0.50	
298.1	299.6	WK SILICIFIED 15% Py 1% SPH.	16018	1.5	1.5		0.007	0.41	0.113	0.23	0.92	

SEE-MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 89-11

DATE

COORD LOCATION

ELEV. Az CORE SIZE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
299.6	301	30% SULFIDE VEIN.	16019	1.4	1.4		0.016	3.29	0.930	0.68	4.19	
301	303.6	15% Py 1% SP	16020	2.6	2.6		0.006	0.58	0.116	0.28	1.80	
303.6	304.6	30% SULFIDE VEIN.	16021	1.0	1.0		0.028	8.45	2.350	0.99	4.19	
304.6	356.1	WASTE										
356.1	366	WEAK STRUCTURE.	16022	9.9	8.0		0.001	1.58	0.083	0.10	0.36	
366	366.6	WEAK VEIN STRUCTURE	16023	0.6	0.6		0.009	1.55	0.172	0.22	0.72	
366.6	378	ALTERED, 5-10% Py	16024	11.5	11.0		0.001	0.87	0.063	0.06	0.11	
378	403	WASTE										
403	405.9	"CRACKLED" Py	16025	2.9	2.7		0.003	1.87	1.840	0.03	0.27	
405.9	409.8	SILICIOUS - Py STRINGERS.	16026	3.9	3.9		0.031	1.36	0.760	0.03	0.09	
409.8	427.7	WASTE										
427.7	435.3	FEW NARROW VEINLETS.	16027	7.6	7.1		0.003	0.35	0.312	0.11	0.22	
435.3	455.1	WASTE					0					
455.1	457.3	SILICIFIED AND GOUGE.	16028	2.2	2.3		0.001	0.12	0.084	0.09	0.14	
457.3	459.9	VEIN.	16029	2.6	2.5		0.023	5.72	0.486	0.32	2.33	
459.9	465	10-15% Py FEW STRINGERS.	16030	5.1	4.9		0.001	0.28	0.099	0.09	0.38	
465	477.6	WASTE										
477.6	479.8	8" VEINING.	16031	2.2	2.1		0.106	6.50	0.345	0.18	0.19	
479.8	501.2	WASTE										
501.2	502.7	HIGHLY SILICIFIED CONTACT	16032	1.5	1.5		0.001	0.12	0.007	0.01	0.32	
502.7	578	WASTE 578 END OF HOLE										

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-12

DATE Feb 20 - 22 1984

COORD 23089.88N 20072.09E LOCATION SECTION 27700E (27865 E 30520 N) LOGGED BY Robert & Ted

ELEV. 3035.55 AZ 225 CORE SIZE BQ DATE Feb 27 1984

LENGTH 408 DIP -45 PURPOSE TEST MAIN & FOOTWALL STRUCTURES.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	10	OVERBURDEN & CASING.
10	16.5	PIECES AND FRAGMENTS HIGHLY ALTERED BLEACHED MATERIAL - HEAVY IRON STAIN.
16.5	24	DACITIC XTAL TUFF FINE TO MEDIUM GRAINED ANHEDRAL GRANULAR 60-70% GREENISH XTALS IN GREY GROUNDMASS. WEAKLY FRACTURED. 1% FINELY DISSEMINATED PYRITE.
24	24.3	VEIN. VUGGY FINELY XTALINE QUARTZ CONTAINING 15% ROSIEN SPHALERITE - 3% GALENA.
24.3	145.3	DACITIC XTAL TUFF & FRAGMENTAL: FAIRLY UNIFORM MEDIUM GREY COLOUR - LOCALLY WEAKLY PORPHYRITIC - WEAKLY FRACTURED - FEW WITH PINKISH CARBONATE, PYRITE & SPHALERITE. 3% DISSEMINATED PYRITE ALTHOUGH LOCALLY 7-10% 29.3 - 26.3 WEAKLY ALTERED WITH A FEW PYRITIC STRINGERS. FEW NARROW CARBONATE STRINGERS TO 3% 67-75 FEW COARSE POIKOLITIC (PYRITE) KAOLINIZED FELDSPARS. AFTER 78 XTALS TAKE ON YELLOWISH GREEN COLOUR WITH GREYING AROUND STRONGER FRACTURES. 92.6 IRREGULAR 1/4" WHITE QUARTZ STRINGER WITH THIN BAND ROSIEN SPALERITE. 92.7 1/16" ROSIEN SPHALERITE FILLING FRACTURE. 118.2 1/8" EARTHY SULFIDES IN PINKISH CARB. AFTER 128 XTALINITY AND HOMOGENETY OF TEXTURE NOT AS WELL DEFINED, SLIGHT

NEW NADINA EXPLORATION LTD.

HOLE No. 84-12

DIAMOND DRILL RECORD

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		INCREASE IN PYRITIC STRINGERS - FEW GOUGEY FRACTURES.
145.3	152.5	SILICIFIED ZONE; TEXTURES VIRTUALLY OBLITERATED. DARK GREY GREEN FELSIC GROUNDMASS BROKEN BY "PATCHY" AND STRINGERS PYRITE. FEW STRINGER CARRY BLACK SPHALERITE ?
152.5	169.7	BRECCIA - MINERALIZED AUTO-BRECCIA GENERALLY MEDIUM TO COARSE ROUNDED FRAGMENTS IN XTAL TUFF CRUSHED MASS. 168.5 - 158 WEAK PYRO-CLASTIC LOOK. 159.8 WEAK NARROW SHEAR. 159.5 - 161.7 SEVERAL SPHALERITE GALENA STRINGERS. 160.9 - 161.2 MASSIVE BLACK AND ROSIEN SPHALERITE WITH INTERSTITIAL PLATEY GALENA. 161.7 3/8" VUGGY ROSIEN SPH STRINGER. 161.7 - 168.5 BRECCIA - FEW NARROW CARBONATE AND PYRITE STRINGERS. AVERAGE AMOUNT 1%. 3% PYRITE 168.5 2" QUARTZ-CARB PYRITE VEINLET AT 90°. CONTAINS PATCHS OCHEROUS HEMATITE ? REMAINER TO 169.7 RANDOM PATTERN OF NARROW ROSIEN SPH - CARB STRINGERS CARRYING TR BLACK SPH AND GALENA. 10 - 15 % DISSEMINATED PY. CONTACT 90° TO AXIS.

NEW NADINA EXPLORATION LTD.

HOLE No. 84-12

DIAMOND DRILL RECORD

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
169.7	171.9	VEIN :
		TOP 15" GRAPHIC INTERGROWTH OF
		VERY FINE GRAINED QUARTZ, LATHS BARITE
		AND FINE MASSIVE BLEBS REDDISH BROWN
		SPHALERITE. LOCALLY FINELY DISSEMINATED SPECKS
		CHALCOPYRITE.
		FOLLOWED BY 3" MASSIVE EARTHY SULFIDES.
		REMAINING 3" MAINLY VERY FINE QUARTZ
		AND REDDISH BROWN SPHALERITE.
		WK GOUGE ON BOTTOM CONTACT
171.9	178	RHYO- DACITIC BRECCIA.
		FEW MEDIUM TO COARSE KAOLINITIC
		FRAGMENTS IN GREY GREEN GROUNDMASS
		NUMEROUS IRREGULAR PY AND SPHALERITE
		STRINGERS. 2-5% SULFIDES.
		WEAKLY BROKEN.
178	298	DACITIC TUFF FRAGMENTAL
		MAJORITY OF MATERIAL A GREENISH YELLOW
		XTAL TUFF. SECTION CONTAINS NUMEROUS
		COLOUR AND GRAIN SIZE CHANGES. FRAGMENTAL
		TEXTURE VARIES FROM NEAR BRECCIA TO
		VERY COARSE FRAGMENTS (4-5" IN CORE)
		ALSO FIND FEW BANDS AND FRAGMENTS OF
		"MUDSTONE". IN SOME SHEARED SECTIONS
		CORE IS DARKER IN COLOUR AND PSEUDO-MYLONITIC
		OR PLASTIC FLOW. LOCAL AREAS WITH
		PURPLE GROUNDMASS. (219-223)
		241 3" GOUGE
		241 - 248 ANDESITIC PORPHYRY BRECCIA
		248 2" GOUGE.
		258.9 - 262.8 1-2 PY CARB FRACTURES
		OR VEINLETS PER INCH.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-12

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
178	298	FINE COUPLE OF QUARTZ-GARB STRINGER GARRYING
(CONT'D)		PY AND OCHEROUS HEMATITE STAIN? 230-238.
		GROUND GOUGEY
		267.9 - 271. CORE DARK & MOTTLED.
		IRREGULAR QUARTZ - PYRITE STOCKWORK-
		LOOKS LIKE RESULT OF SHALLOW ANGLE
		STRINGER.
		295.5 - 294.5 FEW NARROW 1" VUGGY
		SILICA PYRITE VEINLETS. SECTION
		DARKER COLOURED AND MOTTLED.
		298.7 1/16" CHALCOPYRITE STRINGER
		299 1" DIRTY FINE PYRITE.
		REST OF SECTION RELATIVELY BARREN.
		GENERALLY GROUND AT BEST FAIR WITH NUMEROUS
		BROKEN AND GOUGEY SECTIONS.
298.	316.	ALTERED MICRODIORITE HYBRID ZONE.
		WEAK IRREGULAR BANDING - LOCALLY
		PORPHYRITIC - COLOUR VARIATIONS FROM CREAM
		TO PURPLE. TEXTURE VARIES CONSIDERABLY.
		311.6 1" BRECCIA DYKE.
		312.3 1/2" VUGGY CARBONATE PYRITE.
316	319	MOTTLED GREENSTONE. (ALTERED MICRODIORITE?)
		CONTAINS SEVERAL NARROW 1/16" CHALCOPYRITE
		AND PYRITE STRINGERS — (SEPERATE)
319	327.9	DACITE
		PALE GREEN VAGUE XTALLINE TEXTURE.
		CRACKLED TEXTURE TO 323 AFTER
		WHICH REVERTS TO SOMEWHAT TYPICAL
		"GREY SILICIOUS" LOOK. 325.2 - 325.9 COARSE
		BRECCIA WITH 15-20% PYRITE.

NEW NADINA EXPLORATION LTD.

HOLE No. 84-12

DIAMOND DRILL RECORD

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
327.9	328.5	VEIN.
		ACTUALLY 3 QUARTZ CARB STRINGER
		WITH 30% MASSIVE STRINGE PYRITE AND
		1% REDDISH BROWN SPHALERITE.
328.5	348.9.	HYBRID DACITE
		AS 319 - 327.9.
		334.5 - 335.5 SEVERAL IRREGULAR
		VUGGY Py STRINGERS. (7% OF SECT Py.)
		338.6 - 340.2 SEVERAL GOUGEY FRACTURES.
		340.2 - 4" SILICIOUS PYRITIC ZONE.
		346.5 - 346.8 NEAR SOLID Py.
		CONTACT INTO MICRODIORITE GRADATIONAL.
348.9	359.5	MICRODIORITE.
		MOSTLY ALTERED WITH SEVERAL VARIATIONS
		IN COLOUR. ONLY FRESHER DARK GREEN
		MATERIAL MAGNETIC.
		350.7 2" MASSIVE PYRITE.
		353.5 - 355.5 FRESH WITH MATERIAL
		ABOVE AND BELOW ALTERED.
359.5	390.	DACITE
		FINE GRAINED ANHEDRAL GRANULAR - SPECKLED
		TEXTURE DUE TO FINE GRAINED DARKER GREEN
		FELDSPAR GRAINS IN PALER GROUNDMASS.
		WEAKLY FRACTURED FEW CARBONATE
		FILLINGS. BOTTOM CONTACT GRADATIONAL
		OVER 6"
390	408	MICRODIORITE
		TOP 1' ALTERED; REST HARD, FRESH, GLASSY

NEW NADINA EXPLORATION LTD.

HOLE No. 84-12

DIAMOND DRILL RECORD

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
390	408.	WEAKLY FRACTURED -
		398- 399 WEAKLY ALTERED.
		MODERATELY MAGNETIC.
408		END OF HOLE
		DRILLED BY FOXY CREEK SERVICES LTD.

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NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 84-12

DATE FEB 20-22 1989

COORD 23089.88N 20072.04E LOCATION SECTION 27900

ELEV. 3035.55 Az 225° CORE SIZE BQ

LENGTH 408 DIP -45° PURPOSE TEST MAIN & F.W VEINS.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
0	10	OVERBURDEN										
10	145.3	WASTE										
145.3	152.5	SILICIFIED ZONE.	16033	7.2	7.1		.011	0.66	0.176	0.26	0.41	
152.5	159.8	WASTE										
159.8	161.7	SPH GALENA STRINGERS.	16034	1.9	1.9		0.058	2.88	0.114	1.50	10.10	
161.7	168.5	BRECCIA 3% Py.	16035	6.8	6.9		0.006	0.28	0.003	0.09	0.33	
168.5	169.7	CARB-SPH STRINGERS.	16036	1.2	1.2		0.031	1.25	0.020	0.69	2.07	
169.7	171.4	VEIN.	16037	1.7	1.7		0.190	10.94	0.136	2.40	9.10	
171.4	178	RHYO-DACITE BRECCIA.	16038	6.6	6.4		0.025	0.70	0.016	0.28	1.44	
178	258.9	WASTE										
258.9	262.8	Py - CARB FRACTURES.	16039	3.9	3.9		0.001	0.09	0.003	0.02	0.04	
262.8	316	WASTE										
316	319	ALT MAT WITH CPy FRACTURES.	16090	3.0	3.0		0.001	0.45	1.250	0.01	0.05	
319	324	WASTE										
324	327.9	RHYOLITE.	16041	3.9	3.9		0.001	0.65	0.072	0.06	0.19	
327.9	328.5	VEIN ZONE.	16092	0.6	0.6		0.036	7.52	0.835	0.71	6.25	
328.5	330.8	F.W.	16043	2.3	2.3		0.005	0.34	0.015	0.09	0.46	
330.8	408	WASTE										
		408 END OF HOLE										

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-13

DATE FEB 22-29 1984

COORD 23091.30N 20073.78E LOCATION SECTION 27900 LOGGED BY Robert G. Reid

ELEV. 3035.40 AZ 225 CORE SIZE BQ DATE FEB 28 - MAR 2 1984

LENGTH 530 DIP -65 PURPOSE TEST MAIN AND F.W VEINS.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	5	OVERBURDEN
5	209.2	DACITIC XTAL TUFF:
		FINE - MEDIUM GRAINED, ANHEDRAL GRANULAR
		GREY COLOUR OBVIOUS FRAGMENTAL TEXTURE
		LOCAL AND WEAK. TEXTURE AND COLOUR
		FAIRLY CONSISTANT. WEAKLY FRACTURED.
		FEW CARBONATE FILLINGS - VERY FAW PYRITE.
		HEAVILY OXIDIZED FRACTURES TO 10'
		3% FINELY DISSAMINATED PYRITE.
		29 2" QUARTZ VEINLET WITH Py
		AND ROSIEN SPH. - F.W PYRITIZED
		OVER 5"
		40 1/2" SPHALERITE - CARBONATE AT 40°
		65.9 2" QUARTZ - CARB WITH PYRITE.
		151.5 3" IRREGULAR BAND.
		AFTER 155 GROUNDMASS BECOMES PALE
		GREEN
		AFTER 169 FRAGMENTS MORE APPARENT DUE
		TO YELLOWISH TINT TO PHENOCRYSTS.
		AFTER 170 HAS A WEAK PLASTIC FLOW
		LOOK.
		AFTER 191 NOTABLE INCREASE IN PYRITE
		STRINGERS.
		199.5 GREEN CHERTY MUDSTONE 2"
		202.7 - 203 CONVEY PYRITE CARBONATE
		ROSIEN SPH STRINGER.
		203.7 2" IRREGULAR WOOLY BLACK SPH, Py
		QUARTZ - GALENA STRINGER.
		204.5 3" QUARTZ CARB WITH Py & SPH.
		FROM 202.7 - 209.2 CORE HAS SOFT HIGHLY
		ALTERED "LOOK" AND CONTAINS
		FAIRLY NUMEROUS SULFIDE FRACTURES.
		WEAKLY BROKEN.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84 - 13

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
209.2	210.3	VEIN:
		MASSIVE SILICIOUS REDDISH BROWN SPHALERITE
		AND 1-2% DISSEMINATED SPECKS GALENA.
210.3	211.7	FOOTWALL BRECCIA AND GOUGE.
		TOP 6" SULFIDE RICH BRECCIA - REMAINDER
		FINAL GOUGE.
211.7	250.7	DACITIC XTAL TUFF:
		FINE TO MEDIUM GRAINED ANHEDRAL GRANULAR
		SIMILAR TO ABOVE HOWEVER SLIGHTLY PALE
		WITH MORE COLOUR VARIATIONS DUE TO
		SLIGHT INCREASE IN FRACTURING.
		211.7 - 216.7 SLIGHTLY DARKER COLOUR
		AND ALTERED LOOK - SEVERAL TIGHT
		MINERALIZED FRACTURES.
		214 AND 214.7 1/4" MASSIVE REDDISH
		BROWN SPH STRINGERS.
		AFTER 238 FRAGMENTAL TEXTURE PRONOUNCED
		BECOMING LOCALLY BRECCIATED NEAR DYKE
		CONTACT.
250.7	253.4	SYENITE DYKE.
		10% FINE GRAINED FELDSPAR PHENO'S AND
		2-3% MEDIUM GRAINED HEMATITE STAINED
		QUARTZ EYE XENOLITHS IN FELSIC YELLOWISH
		GROUNDMASS.
		UPPER CONTACT AT LOW ANGLE
		ALONG 1 FT CORE LENGTH.
		LOWER CONTACT APPARENT AT 45°
253.4	299.5.	DACITIC XTAL TUFF
		SIMILAR TO ABOVE; GROUNDMASS
		DARKER MAKING PORPHYRITIC XTALLINE
		TEXTURE MORE PRONOUNCED.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-13

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		FROM DYKE CONTACT TO 290 ROCK HYBRIDIZED BY DYKE. RESULTING IN "BRECCIATED" MOTTLED LOOK.
		288.3 1" MUD
		AFTER 288.3 VARIATIONS IN COLOUR AND TEXTURE.
		290.4-291 BRECCIA
		AFTER 291 GREEN XTALS IN DARK GREY GROUNDMASS.
294.5	295.5	TAN COLOURED SYENITE DYKE:
		AS 250.7-253.9
		CONTACTS AT 50° WITH UPPER SHOWING 1/2" CHILL ZONE.
296.5	310.	DACITIC XTAL TUFF:
		PALE GREEN GROUNDMASS WITH XTALS SLIGHTLY DARKER GIVING WEAK TEXTURAL CONTRAST. FEW DARK SILICA-PYRITE FRACTURES TO 306.2. INCREASE IN PYRITE ALTHOUGH REMAINING WEAKLY FRACTURED FROM 306.2 TO 310. (310 END OF ROD.)
310	315	VEIN
		TOP 5" FINE GRAINED QUARTZ CARRYING 40% VERY FINE-MASSIVE BLACK SPH, 2 NARROW STRINGERS RESIN SPH. 5-10% MASSIVE IRREGULARLY BANDED PYRITE AND TR GALENA.
		5" ALTERED DACITE WITH 20% PYRITE
		4" NEAR SOLID PYRITE
		3" QUARTZ-CARB WITH 40% COMBINED SPH-GALENA.
		13" ALT. DACITE WITH 50% PYRITE.
		8" ALT DACITE WITH 20% PYRITE

NEW NADINA EXPLORATION LTD.

HOLE No. 84-13

DIAMOND DRILL RECORD

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		7" QUARTZ WITH 50% SPH - Py
		14" ANT DACITE WITH 50% Py.
		BOTTOM CONTACT 1/8" SHEAR AT 70°
315	353	DACITIC XTAL TUFF
		SIMILAR TO ABOVE.
		DARKER WITH NUMEROUS MINERALIZED
		FRACTURES TO 315.9.
		XTALINE TEXTURE WEAK TO 327.9.
		WEAKLY FRACTURED. ONLY TRACE PYRITE
		TO 328 - THEN OCCURS AS FINELY DISSEMINATED
		BLACK SPECKS.
		345 AND 345.8 NARROW 1/2" SHEAR GOUGE
		AFTER 352.5 NUMEROUS TEXTURAL VARIATIONS.
353	380.7	MICRODIORITE
		353 - 368: COARSE BRECCIA CAUSED
		BY ? INTRUDING MD. FRAGMENTS AND
		BANDS ALTERED XTAL TUFF IN PURPLISH MD.
		BRECCIA TEXTURE MOSTLY VAGUE DUE TO
		COARSENESS OF FRAGMENTS ? PORPHYRITIC
		TEXTURE OF BOTH SIMILAR WITH PHENOS IN
		MD SLIGHTLY COARSER. CONTAINS TR Py.
		368 - 368.3 GOUGE
		369.3 - 380.7 30% OF SECTION COMPOSED
		OF DARK GREY SILICIOUS BANDS AND
		FRACTURE FILLING. LOCALLY WEAKLY BRECC
		AND RARELY CONTAINING OOLITIC HEMATITE.
380.7	389.1	VEIN STRUCTURE
		1" GOUGE AT UPPER CONTACT.
		380.7 - 389.1 1/1" CARB - SPH FRACTURES.
		3% DISSEMINATED PYRITE.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-13

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		382.7 1/2" VUGGY RHODOCHROSITE - SPH VEINLET.
		383.1 - 389.1 VEIN. MAINLY RHODOCHROSITE VUGGY - BANDS AND "BOTCHS" SPH. TR GALENA.
384.1	394.	MICRODIORITE:
		ALTERED - FINE GRAINED - HYBRID - VERY DIFFICULT TO DISTINGUISH FROM XTAL TUFF LOCALLY BRECCIATED. SEVERAL PYRITIC FRACTURES AND 2% FINELY DISSEMINATED PYRITE.
		392 1" CRUMBLY COVER
		392.7 - 393.5 WEAK VEIN SYSTEM. XTALINE QUARTZ AT UPPER CONTACT OVER 1" REMAINDER WEAKLY SILICIFIED AND 20% Py.
394	409.9	ALTERED DACITE: HYBRID. AND VEIN SLIGHTLY FINER GRAINED. TYPICAL GREENISH COLOUR. - WEAK FRAGMENTAL TEXTURE. 3% DISSEMINATED Py.
		402.5 - 405 - DARK GREY SILICIFIED - WEAKLY FRACTURED - 10 - 20% PYRITE.
		405 - 406.2 NEAR SOLID PYRITE IN VUGGY QUARTZ VEIN.
		405 - 409.9 - WEAK - MODERATE CRACKLED. LOWER CONTACT FAIRLY DEFINITE.
409.9	530	MICRODIORITE AND ALTERED MICRODIORITE. LOCALLY MEDIUM GRAINED PORPHYRITIC AND RARELY "FRESH" LOOKING. MAJORITY A PALE GREYISH GREEN ANHEDRAL GRANULAR MATERIAL THAT LOOKS SOMEWHAT SIMILAR.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-13

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		TO A DACITIC XTAL TUFF. SOMEWHAT MORE HOMOGENEOUS AND GRANULITIC LOOKING. ALTERED MATERIAL NON-MAGNETIC - RARE SPECKS PYRITE.
		486.5 - 487.7 IRREGULAR QUARTZ VEINING CONTAINING 10-30% PYRITE PATCHES. WEAKLY FRACTURED TOURMALINITE (Looks good grade)
		530 END OF HOLE
		DRILLED BY FOXEY CREEK SERVICES LTD.

SEE-MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.
ASSAY RECORD

HOLE No. 84-13
DATE FEB 22-24 1984

COORD 23091.30N 20073.78E LOCATION SECTION 27900 E
ELEV. 3035.40 Az 225° CORE SIZE BQ
LENGTH 530 DIP -65° PURPOSE TEST MAIN & F.W STRUCTURES.

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
0	5	OVERBURDEN.										
5	202.7	WASTE										
202.7	209.2	ALTERED WITH SULFIDE FRAGS.	16099	6.5	6.5		0.025	1.44	0.100	0.98	2.34	
209.2	210.3	VEIN - SPH-GALENA.	16095	1.1	1.1		0.129	14.61	0.119	4.39	21.00	
210.3	216.7	F.W. BRECCIA & GOUGE	16096	6.4	6.3		0.023	0.45	0.014	0.07	0.59	
216.7	306.2	WASTE										
306.2	310	PYRITIC H.W.	16097	3.8	3.8		0.001	0.12	0.038	0.02	0.07	
310	315	VEIN	16098	5.0	5.0		0.076	6.21	1.140	0.88	3.84	
315	380.7	WASTE										
380.7	384.1	VEIN STRUCTURE.	16099	3.4	3.9		0.080	3.27	0.243	0.92	8.45	
384.1	402.5	WASTE										
402.5	405	PYRITIC H.W.	16050	2.5	2.5		0.006	0.22	0.023	0.01	0.05	
405	406.2	PYRITE QUARTZ VEIN.	16051	1.2	1.2.		0.105	9.10	2.860	0.80	1.73	
406.2	530	WASTE										
		530 END OF HOLE.										

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-14

DATE FEB 27-29 1984

COORD. 20951.14N 18747.71E LOCATION BRECCIA TRENCH LOGGED BY Robert E Reid

ELEV. 3641.96 AZ 225° CORE SIZE BQ DATE MARCH 6-7 1984

LENGTH 558 DIP -45 PURPOSE "WILDCAT" - GEOCHEM ANOMALY

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	10	OVERBURDEN.
10	32.5	DACITIC XTAL TUFF FRAGMENTAL. TYPICAL VARIETY - FRAGMENTS OBSERVED BY COARSER GRAINED PHENOCRYSTS. GREENISH GREY COLOUR - WEAKLY FRACTURED, BROKEN AND OXIDIZED TO K8.5 1-3% FINELY DISSEMINATED PYRITE + FEW FRACTURE FILLINGS.
32.5	37.9	ANDESITE DYKE. No CHILLED CONTACTS.
37.9	44.2	ALTERED XTAL TUFF FRAGMENTAL. VAGUE FRAGMENTAL TEXTURE - LOCALLY TAKES ON PEGMATITE-MONZONITE LOOK. 3-5% DISSEMINATED PYRITE. MODERATELY BROKEN.
44.2	44.9	MASSIVE DIRTY SHEARED PYRITE 5% SILICA.
44.9	53.5	ALTERED XTAL TUFF FRAGMENTAL. SIMILAR TO ABOVE + LOCAL BRECCIA TEXTURE. (IF MASSIVE PY RUNS SHOULD SAMPLE)
53.5	268.5	VARICOLOURED BRECCIA 30-40% MEDIUM TO COARSE ROUNDED TO SUB-ANGULAR FRAGMENTS IN A DACITIC TO LOCALLY RHYO-DACITIC GROUNDMASS. MAJORITY OF FRAGMENTS PORPHYRITIC XTAL TUFF - REMAINDER GREEN AND REDDISH CHERTS. NUMEROUS COLOUR VARIATIONS TO FRAGMENTS AND GROUNDMASS. SEVERAL GOUGEY FRACTURES.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 89-19

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
53.5	268.5	TRACE - 1% VERY FINELY DISSEMINATED
(CONT'D)		PYRITE
		89.7 - 92.1 CREAMY PULASKITE.
		134.7 - 136.7 WEAKLY SILICIFIED ZONE
		WITH UP TO 15% PYRITE AROUND
		1" PINK CARBONATE - 5" CRUMBLY GOUGE
		AT 136 - 136.5.
		197.7 - 200.1 HORNBLENDE - FELDSPAR PORPHYRY
		DYKE - PHENO'S IN BLACK APHANITIC
		GROUNDMASS - 3" CHILL UPPER CONTACT
		10" LOWER CONTACT.
		204 - 206 WEAKLY SILICIFIED ZONE WITH
		5-7% PYRITE BETWEEN NARROW
		WEAK SHEARS.
		212 - 2" PYRITE STRINGER.
		249.9 1" PYRITE - SILICA
		252 - 257 - BROKEN.
		223 - 5" WEAK SILICA - CARB - PYRITE
		VEINLET WITH TRACE SPHALERITE?
268.5	276.5	DIABASE DYKE
		BLACK - APHANITIC.
		WEAK PORPHYRITIC IN 15" GREY CHILL ZONE
		AT UPPER 24" AT LOWER.
276.5	312.5	VARIEGATED BRECCIA;
		AS ABOVE.
		AFTER 306 ALTERERED AND SIMILAR IN
		APPEARANCE TO 37.9 - 44.2.
312.5	319.8	CREAM - GREY SYENITE PORPHYRY DYKE
		2-3% CREAM ANHEDRAL FELDSPAR - LOCALLY
		MEDIUM QUARTZ? EYES - TRACE BRIGHT GREEN
		SILICIOUS MATERIAL IN APLITIC GROUNDMASS.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-14

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		CONTAINS - 319.1 - 316.4 ALTERED TUFF MATERIAL - CONTACTS IRREGULAR.
319.8	340.3	RHYOLITE : MAINLY WHITE, SILICIOUS, FLOW BANDED TEXTURE, CONTAINING IRREGULAR PATCHES AREAS, OR GRAINS OF PALE TAN FELDSPAR. AFTER 329 FEW FRAGMENTS AFTER 333 RHYOLITIC "FLOW" BRECCIA. 10% GREY PORPHYRITIC FRAGMENTS IN "TIGHT" WAVY BANDED - CRENULATED WHITE - CREAM RHYOLITE FELDSPAR GROUNDMASS. 339 - 340.3 COARSE.
340.3	371.7	ALTERED PYRITIC BRECCIA. FINE GRANULAR OFFWHITE PYRITE BEARING SILICIOUS MATERIAL SURROUNDING ALTERED DACITIC XTAL TUFF FRAGMENT. ROUGH "WASHED" LOOK TO CORE SURFACE - 10 - 15% PYRITE. TR SPHALERITE. AFTER 346.5 BECOMES GRADUALLY MORE COMPETANT LOOKING AND "WEAKLY SILICIFIED" TO POINT WHERE BRECCIA TEXTURE OBLITERATED AND LOOKS SIMILAR TO 327 - 344.2 MATERIAL. 357.5 1/8" ROSIEN SPHALERITE STRINGER. 358.2 - 357.6 SOFT CLAYEY, CREAM COLOURED MUDSTONE? 3-5% FINELY DISSEMINATED BLACK SPECKS (PYRITE?) 361 1" MASSIVE PYRITE STRINGER RUNNING ALONG 1' CORE AXIS. WEAK CRACKLING FROM 362 - 371.7 WITH PYRITE AND DARK SILICA OR SPH?

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-14

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
371.7	438	INTERMIXED "MUDSTONE"? AND ALTERED BRECCIA MUDSTONE A CREAMY GREY FELSITE WITH 5 % FINELY DISSEMINATED BLACK SPECKS AND RARE QUARTZ AND/OR FELDSPAR PHENOCRYSTS. LOCAL VAGUE FLOW TEXTURES. CONTACTS WITH ALTERED BRECCIA SECTIONS BRECCIATED AND IN SOME CASES DIFFICULT TO DIFFERENTIATE WHICH UNIT FRAGMENTS AND WHICH GROUNDMASS. OCCASIONAL "BRECCIA" FRAGMENTS IN MUDSTONE. TO 421 (60 % SECTION "MUDSTONE" ALTERERED BRECCIA SECTIONS (UP TO 5 FT) CONTAIN 10 - 15 % Py. 421 - 438 MUDSTONE 20 - 80 % AND APPEARS AS COARSE ANGULAR FRAGMENTS. PYRITE IN ALTERED BRECCIA DECREASE TO 5 % MAINLY AS CLOTS. (IF PYRITIC MATERIAL ABOVE RUNS SHOULD SPLIT)
438	558	HIGHLY ALTERED BRECCIA: BRECCIA TEXTURE VAGUE, LOCALLIZED AND LOCALLY WEAKLY MYLONITIC. CORE HAS SERICITIZED LOOK. NUMEROUS COLOUR VARIATIONS FROM PURPLISH THRU CREAM TO DARK GREEN SERPENTINITIC. GENERALLY WEAKLY FRACTURED BUT HAS "SOFT" LOOK. 447 - 452.2 NUMEROUS AREAS OF SHINEY BLACK, SOFT, PYRITIC MATERIAL "WISPY" AROUND FRAGMENTS. 450. 1 - 2 % RESIGN SPHALERITE IN SHINEY BLACK ZONE. REMAINDER OF SECTION CONTAINS 3 - 5 % DISSEMINATED PYRITE. 504.3 - 508.6 "BLEACHED KAOLINITIC ZONE.

SEE MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-19

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
438	558	AFTER 508 GROUNDMASS TAKES ON
(CONTD)		A PURPLISH, FINE GRAINED PHENOCRYST, ANDESITIC LOOK. OVERALL APPEARANCE BECOMES SOMEWHAT SPECKLED OR MOTTLED OVER PRINTING BRECCIA TEXTURE.
		558 END OF HOLE.
		DRILLED BY FORT ARGENT SERVICES LTD.
		NOTES ON RELOG OF SPLIT CORE:
		99.9 - 55.5 ALTERATION KAOLINITIC - SERICITIC DISSEMINATED AND XTALINE.
		VARICOLOURED BRECCIA SIMILAR BUT DIFFERENT TO 84-15 PROBABLY DUE TO LESS INTENSE ALTERATION. FAR FEWER DARK "SILICEOUS" SECTIONS IN THIS HOLE AND THOSE APPEAR WEAKER.
		PYRITE CONTENT IN "SILICEOUS" SECTIONS LOWER (3-7%)
		THE WEAK VISIBLE SPHALERITE IN THE PYRITIC BRECCIA SECTIONS INVARIABLY ASSOCIATED WITH CARBONATE ALTERATION OR "FLOODING" WITH A SMALL AMOUNT ASSOCIATED QUARTZ. PYRITE AS FINELY DISSEMINATED XTALS.
		THE "WISPY" BLACK MATERIAL 447-457 APPEARS TO BE MN "STAINING" ON FRACTURE FACES

SEE-MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 84-19

DATE May 29 1984

COORD 20951.14N 18747.71 E LOCATION BRAELIN TRENCH - TIBLINES POND AREA

ELEV. 2691.46 Az 225° CORE SIZE BQ

LENGTH 558' DIP -45 PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
0	10	OVERBURDEN										
10	20		16110	10.0			0.001	0.06				
20	32.5		16111	12.5			0.001	0.01				
32.5	38	PORPHYRITE										
38	44.2		16112	6.2			0.002	0.71				
44.2	44.9	MASSIVE DIRTY PYRITE	16052	0.7	0.7		0.096	3.30	0.217	0.22	0.78	
44.9	58		16113	13.1			0.001	0.36				
58	68		16114	10.0			0.001	0.12				
68	78		16115	10.0			0.001	0.14				
78	88		16116	10.0			0.001	0.01				
88	98		16117	10.0			0.001	0.01				
98	108		16118	10.0			0.001	0.01				
108	118		6119	10.0			0.001	0.30				
118	128		16120	10.0			0.006	0.12				
128	138		16121	10.0			0.003	0.17				
138	148		16122	10.0			0.001	0.06				
148	158		16123	10.0			0.001	0.14				
158	168		16124	10.0			0.001	0.06				
168	178		16125	10.0			0.001	0.01				
178	188		16126	10.0			0.001	0.01				
188	198		16127	10.0			0.001	0.06				

SEE-MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 84-14

DATE

COORD _____ LOCATION _____

ELEV. _____ Az _____ CORE SIZE _____

LENGTH _____ DIP _____ PURPOSE _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
198	208		16128	10.0			0.001	0.06				
208	218		16129	10.0			0.001	0.18				
218	228		16130	10.0			0.001	0.01				
228	238		16131	10.0			0.001	0.01				
238	248		16132	10.0			0.004	0.10				
248	258		16133	10.0			0.001	0.04				
258	268		16134	10.0			0.001	0.02				
268	278		16135	10.0			0.001	0.01				
278	288		16136	10.0			0.001	0.06				
288	298		16137	10.0			0.001	0.06				
298	308		16138	10.0			0.001	0.19				
308	318		16139	10.0			0.001	0.48				
318	328		16140	10.0			0.001	0.01				
328	340.3		16141	12.3			0.001	0.01				
340.3	348	PYRITIC BRECCIA	16053	7.7	7.7		0.001	0.12	0.018	0.08	0.42	
348	358.2	" "	16054	10.2	10.2		0.001	0.11	0.004	0.07	0.40	
358.2	359.6	"MUDSTONE"	16055	1.4	1.4		0.001	0.01	0.008	0.01	0.07	
359.6	369.7	PYRITIC BRECCIA	16056	10.1	10.1		0.012	0.26	0.008	0.08	0.48	
369.7	378		16142	8.3			0.001	0.01				
378	388		16143	10.0			0.001	0.06				
388	398		16144	10.0			0.001	0.06				

SEE-MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.
ASSAY RECORD

HOLE No. 84-14

DATE

COORD LOCATION

ELEV. Az CORE SIZE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
398	408		16145	10.0			0.002	0.13				
408	418		16146	10.0			0.001	0.07				
418	428		16147	10.0			0.001	0.13				
428	438		16148	10.0			0.001	0.09				
438	447.5		16149	9.5			0.002	0.11				
447.5	457.5		16057	10.0	10.0		0.010	0.24	0.015	0.10	0.25	
457.5	468		16150	10.5			0.001	0.07				
468	478		16151	10.0			0.001	0.13				
478	488		16152	10.0			0.001	0.01				
488	498		16153	10.0			0.001	0.30				
498	508		16154	10.0			0.002	0.30				
508	518		16155	10.0			0.001	0.01				
518	528		16156	10.0			0.001	0.01				
528	538		16157	10.0			0.001	0.01				
538	548		16158	10.0			0.001	0.01				
548	558		16159	10.0			0.001	0.01				
		558 END OF HOLE										

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-15

DATE FEB 29 - MARCH 2

COORD 20642.51 N 19462.46E LOCATION _____ LOGGED BY Robert E Reed

ELEV. 2615.61 AZ 225° CORE SIZE BQ DATE MAY 29 1984

LENGTH 498 DIP -45° PURPOSE RELOG OF SPLIT CORE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0	15	OVERBURDEN AND CASING.
15		VARICOLOURED BRECCIA:
		STRONG COARSE BRECCIA TEXTURE.
		30-40% FINE TO COARSE SUBROUNDED TO ANGULAR
		FRAGMENTS IN A DARK GREY FINE GRAINED
		GROUNDMASS.
		70-90% OF FRAGMENTS YELLOWISH-GREEN
		OR PURPLISH GREEN PORITIC XTAL TUFF.
		VAST MAJORITY WITH SHARP ANGULAR CONTACTS.
		IN SEVERAL CASES, WITH COARSER FRAGMENTS,
		CONTACTS ARE FRACTURED OR WEAK SHIPS GIVING
		FRAGMENT A DYKE LIKE APPEARANCE. THESE
		FRAGMENTS CONTAIN ONLY TRACE PYRITE.
		10-15% OF FRAGMENTS PALE GREEN
		CHARCY OR RHYOLITIC MATERIAL USUALLY
		CONTAINING FINE PHENOCRYSTS TO ANHEDRAL
		TAN FELDSPAR AND RARELY FINE GARNETS. MAINLY
		FINE TO MEDIUM GRAINED AND SUBROUNDED
		WITH SHARP CONTACTS.
		THIRD FRAGMENT? ARE ROUNDED SILICEOUS
		AND PYRITIC WITH 20-30% FINE PYRITE
		CONTACTS VAGUE AND DIFFICULT TO DISTINGUISH
		FROM GROUNDMASS. THESE USUALLY CONTAIN A
		VERY FINE BLACK MINERAL.
		28.3-29.1 WEAK SHEAR
		29.1-29.3 ABUNDANT HEMATITE INTERSTITIAL TO
		FELDSPAR IN PORPHYRITIC FRAGMENT.
		32.3-33.5' WEAK-MODERATE SHEAR ALONG
		AXIS. 5" SILICIOUS-PYRITIC FRAGMENT AT
		UPPER CONTACT.
		40-41 WEAK SHEAR
		42.9-46 " " CONSOLIDATED GOUGE.
		SHEARED ZONES CONTAIN 1-2% PYRITE AS
		CLEAN FINELY XTALINE BLOTS

SEE MOORE PRINT, SMITHERS

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-15

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		WHEN SPLIT IT BECOMES APPARENT THAT CORE IS MORE HEAVILY FRACTURED AND REWORKED (SLICKENSIDED) THAN WOULD APPEAR ON ROUND. GREEN "CHERTY" FRAGMENTS TALLY.
		1-3 % VERY FINELY DISSEMINATED PYRITE AND PURPLISH TINT TO GROUNDMASS "REAPPEAR" ON FRESH SURFACE.
		RARELY PYRITE FILMS ON FRACTURES.
		39.6 - 39.1 FRAGMENT OF FINE ANHEDRAL GRAINED GARNETIFEROUS? PINK AND GREEN MATERIAL. SYENITE OR XTAL TUFF? (SAMPLE)
		46 - 48.6. GREY SILICIOUS ALTERERED ZONE WITH PARTIAL TO TOTAL OBLITERATION OF BRECCIA TEXTURE. 10 - 20 % DISSEMINATED PYRITE. CONTAINS SEVERAL NARROW QUARTZ - FINE SHINY XTALINE PYRITE STRINGERS. RARELY WITH FINE XTALINE BLACK SPHALERITE?
		AFTER 49 CORE LESS FRACTURED AND HARDER COARSE - SLIPPERY NATURE OF MATERIAL ABOVE MAY BE SURFACE PHENOMENA.
		67 - 80.9 ALTERED - GIVES DARK GREY GROUNDMASS - 3-5 % DISSEMINATED BY TRACE DISSEMINATED SPHALERITE. PYRITE VERY FINE WITH "DIRTY" LOOK POSSIBLE DUE TO "GLASSY" NATURE OF CORE.
		80.9 - 113 TYPICAL BRECCIA - PALE PURPLISH GROUNDMASS - CHERTY FRAGMENTS GREEN AND GRAY COLOUR. RARE RED JASPEROID FRAGMENTS
		113 - 129: DARK GREY FINE - MEDIUM GRAINED EQUI-GRANULAR ALTERED DACITIC XTAL TUFF - CONTAINS FEW BRECCIA SECTIONS 5 - 7 % FINE ALBAN PYRITE.
		CONTACTS WITH BRECCIA SECTIONS HAVE NARROW WHITE SILICIOUS REACTION RIMS?

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 89-15

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		129 - 193 MAINLY PURPLISH BRECCIA BUT CONTAINS FEW NARROW ALTERERED AREAS
		193 - 158 WEAKLY ALTERED - GREY COLOUR. RETAINS BRECCIA TEXTURE - WEAK - MOD. BROKEN SHOWING SLICKENSIDE ON LOW ANGLE FRACTURES.
		158 - 162.2 KAOLINITIC PURPLISH BRECCIA. SLICKENSIDED FRACTURES
		162.2 - 168 ALTERED GREY FOLIATED/LAMINAR XTAL TUFF - SIMILAR TO 113 - 129.
		168 - 191.8 PURPLISH BRECCIA
		172.4 - 174.8 30% FINE - MEDIUM GRAINED SUBHEDRAL GREENISH SAUSSERITIZED? PLAG IN A "FELTY" GREYISH - PINKISH GROUNDMASS
		187.6 - 190.9 SYENITE DYKE : RANGES FROM CREAMY FELSITE THROUGH 172.4-174.8 MATERIAL TO WEAKLY ALT FELDSPAR PORPHYRY AT 189 (SUBHEDRAL TO EUHEDRAL LATHS WHICH LOOK MAFIC AT FIRST GLANCE)
		190.4 - 197 CORE SOFTER AND KAOLINITIC BUT RETAINS BRECCIA TEXTURE. 5 - 7% CLEAN FINELY ETCHED PYRITE.
		193.5, 196, 197 NARROW (< 1") DIRTY NEAR SOLID PYRITE STRINGERS
197	225.5	ALTERED DACITIC XTAL TUFF : MAINLY FINE GRAINED APHANITIC. LOCALLY CAN NOTE FINE OPAQUE ANHEDRAL FELDSPAR CAN RECOGNIZE VAGUE FRAGMENTAL TEXTURE TO 209 - THIS SECTION CONTAINS FAIRLY TYPICAL 3 - 5% FINELY DISSEMINATED PYRITE.
		209.1 - 209.7 GOUGE AND PYRITE.
		209.7 - 213.6 SLIGHT INCREASE IN DISSEMINATED PYRITE AND FEW WEAK PYRITE

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 89-15

DATE

COORD LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		FRACTURES
		213.6 - 225.5 NOTICABLE INCREASE IN DISSEMINATED PYRITE TO 15 - 20 %. ALSO SEVERAL PYRITE, PYRITE - SPHALERITE WISPY BLACK FRACTURES AND DISSEMINATED PODS OF RESIN SPHALERITE. AVERAGES 9 - 12 "FRACTURES" PER FOOT.
		219 - 219.6 40 % DIRTY PYRITE IN GOUGEY BRECCIA VEIN.
		223.5 1.5" GOUGEY PYRITE.
		CORE BECOMES INCREASINGLY FINER GRAINED AFTER 223.5 TO BECOME A GREY "FELSITE" 225.5 - 226.9 CARRYING 20 - 25 % VERY FINELY DISSEMINATED PYRITE.
226.9	230.3	VARICOLOURED BRECCIA:
		SOFT AND KAOLINITIC - BRECCIA TEXTURE READILY APPARENT. WEAK 3" PYRITE - SPHALERITE VEIN ZONE AT UPPER CONTACT. 10 - 15 % PYRITE - RODENLY 50 - 50 FINELY XTALINE CLEAN AND REMAINDER MEDIUM DIRTY FINE MASSIVE, GENERALLY CONCENTRATED SURPRISINGLY FEW MINERALIZED FRACTURES OR STRINGERS.
230.3	231.3	XTALINE QUARTZ - PYRITE VEIN.
		30 - 40 % BLEBY PYRITE ; 1 % SPHALERITE, TRACE GALENA. CONTACTS SOMEWHAT IRREGULAR.
231.3		VARICOLOURED BRECCIA
		MODERATELY ALTERED AND CARRIES 10 - 20 % FINELY DISSEMINATED CLEAN PYRITE TO JASPEROID FRAGMENT AT 242.5
		TO 266 RETAINS DARK GREY COLOUR TO

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NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

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DATE

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ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		GROUNDMASS BUT BECOMES LESS "SILICIOUS" AND PYRITE DECREASE TO LESS THAN 5%. BRECCIA TEXTURE STRONG.
		266 - 276.2 PURPLISH BRECCIA - TEXTURE DEFINITE BUT FRAGMENTS SOMEWHAT SUBROUNDED AND ALL DACITIC XTAL TUFF.
		276.2 - 378. REVERTS TO GREY GROUNDMASS FRAGMENTS GENERALLY APPEAR TO BE NOT AS COARSE
		287 - 288.5 SERICITIC MATERIAL ? WITH GREEN SAUSSARITIZED PLAG PHENO'S SOMEWHAT SIMILAR TO ABOVE. CONTACTS APPEAR SHARP BUT ARE UNDEFINITE - BOTTOM CONTACT WEAK SHEAR (MAY POSSIBLY BE ALTERED PSEUDO-SYENO-MONZONITIC DACITE FRAGMENT.)
		DARK GREY PYRITIC GROUNDMASS MATERIAL PREDOMINATES TO 378, ALTHOUGH MANY VARIATIONS OCCUR. CANNOT TELL WHICH OF DARKER PYRITE BEARING SECTIONS MAY BE FRAGMENTS OF GROUNDMASS - ALSO CANNOT DETERMINE DEFINITE RELATIONSHIP BETWEEN GREY AND PURPLE "GROUNDMASS" IN THIS SECTION.
		336 1" QUARTZ - PYRITE - CHALCOPYRITE - SPHALERITE VEINLET - NO APPARENT ALTERATION ZONE.
		378 - 407 PURPLISH GROUNDMASS CONSISTANTLY
		407 - 460.4 INTERMIXING OF PURPLISH AND DARK PYRITIC GROUNDMASS - IN SEVERAL CASES DARKER MATERIAL APPEARS TO BE ROUNDED FRAGMENT AND IN OTHER CASES APPEARS TO BE REPLACING.
460.4	483.3	DACITIC XTAL TUFF: FRAGMENTAL. LOCALLY FIND NARROW <1/4" PURPLISH BRECCIA INTRUDING IN IRREGULAR FASHION.

NEW NADINA EXPLORATION LTD.

DIAMOND DRILL RECORD

HOLE No. 84-15

DATE

COORD. LOCATION LOGGED BY

ELEV. AZ CORE SIZE DATE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
		REMAINDER OF SECTION 90% FINE ANHEDRAL
		GRAINED XTAL TUFF AFTER 498 WEAK SILICIFICATION
493.3	498	VITRICLASTIC BRECCIA.
		TYPICAL STRONG BRECCIA TEXTURE
		AND PURPLISH GROUNDMASS.
		498 END OF HOLE.
		DRILLED BY FOXY CREEK SERVICES.
		SPLIT BY J. HERRELSPEEK.

TOTAL 45 FEET THROUGH SAMPLES.

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NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. B4-15

DATE May 24-28/

COORD 20642.51 N 18462.96E LOCATION BRECCIA TRENCH - TIELINES POWER

ELEV. 2615.51 Az 225° CORE SIZE BQ

LENGTH 498 FEET DIP -45 PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
16	28		160665	12.0			0.001	0.01				
28	38		160666	10.0			0.001	0.01				
38	48		160667	10.0			0.001	0.01				
48	58		160668	10.0			0.001	0.01				
58	68		160669	10.0			0.001	0.01				
68	78		160670	10.0			0.001	0.01				
78	88		160671	10.0			0.001	0.01				
88	98		160672	10.0			0.001	0.01				
98	108		160674	10.0			0.001	0.01				
108	118		160675	10.0			0.001	0.01				
118	128		160676	10.0			0.001	0.01				
128	138		160676	10.0			0.001	0.01				
138	148		160677	10.0			0.001	0.06				
148	158		160678	10.0			0.001	0.01				
158	168		160679	10.0			0.001	0.01				
168	178		160680	10.0			0.001	0.01				
178	188		160681	10.0			0.001	0.01				
188	193.5		160682	10.0			0.001	0.01				
193.5	198		160658	4.5	4.5		0.006	1.14	0.002	0.03	0.17	
198	208		160662	10.0	10.0		0.001	0.05	0.002	0.01	0.12	
208	213.6		160663	5.6	5.6		0.001	0.17	0.004	0.01	0.42	
				10								

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NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 84-15

DATE

COORD _____ LOCATION _____

ELEV. _____ Az _____ CORE SIZE _____

LENGTH _____ DIP _____ PURPOSE _____

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
213.6	225.5	WISPY SHINY BLACK	16059	11.9	11.9		0.002	4.35	0.038	0.05	0.29	
225.5	226.9	FELSITE	16083	1.4	1.4		0.005	0.40				
226.9	230.3	Py - SPH STRINGERS	16060	3.4	3.4		0.012	9.97	0.105	0.07	0.65	
230.3	231.3	VEIN	16061	1.0	1.0		0.082	8.57	0.410	1.21	3.21	
231.3	238		16069	6.7	6.7		0.001	0.46	0.005	0.09	0.46	
238	248		16084	10.0			0.001	0.07				
248	258		16085	10.0			0.001	0.01				
258	268		16086	10.0			0.001	0.01				
268	278		16087	10.0			0.001	0.01				
278	288		16088	10.0			0.001	0.01				
288	298		16089	10.0			0.001	0.06				
298	308		16090	10.0			0.001	0.07				
308	318		16091	10.0			0.001	0.01				
318	328		16092	10.0			0.001	0.01				
328	338		16093	10.0			0.001	0.01				
338	348		16094	10.0			0.001	0.01				
348	358		16095	10.0			0.001	0.01				
358	368		16096	10.0			0.001	0.01				
368	378		16097	10.0			0.001	0.13				
378	388		16098	10.0			0.001	0.01				
388	398		16099	10.0			0.001	0.01				

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NEW NADINA EXPLORATION LTD.

ASSAY RECORD

HOLE No. 89-15

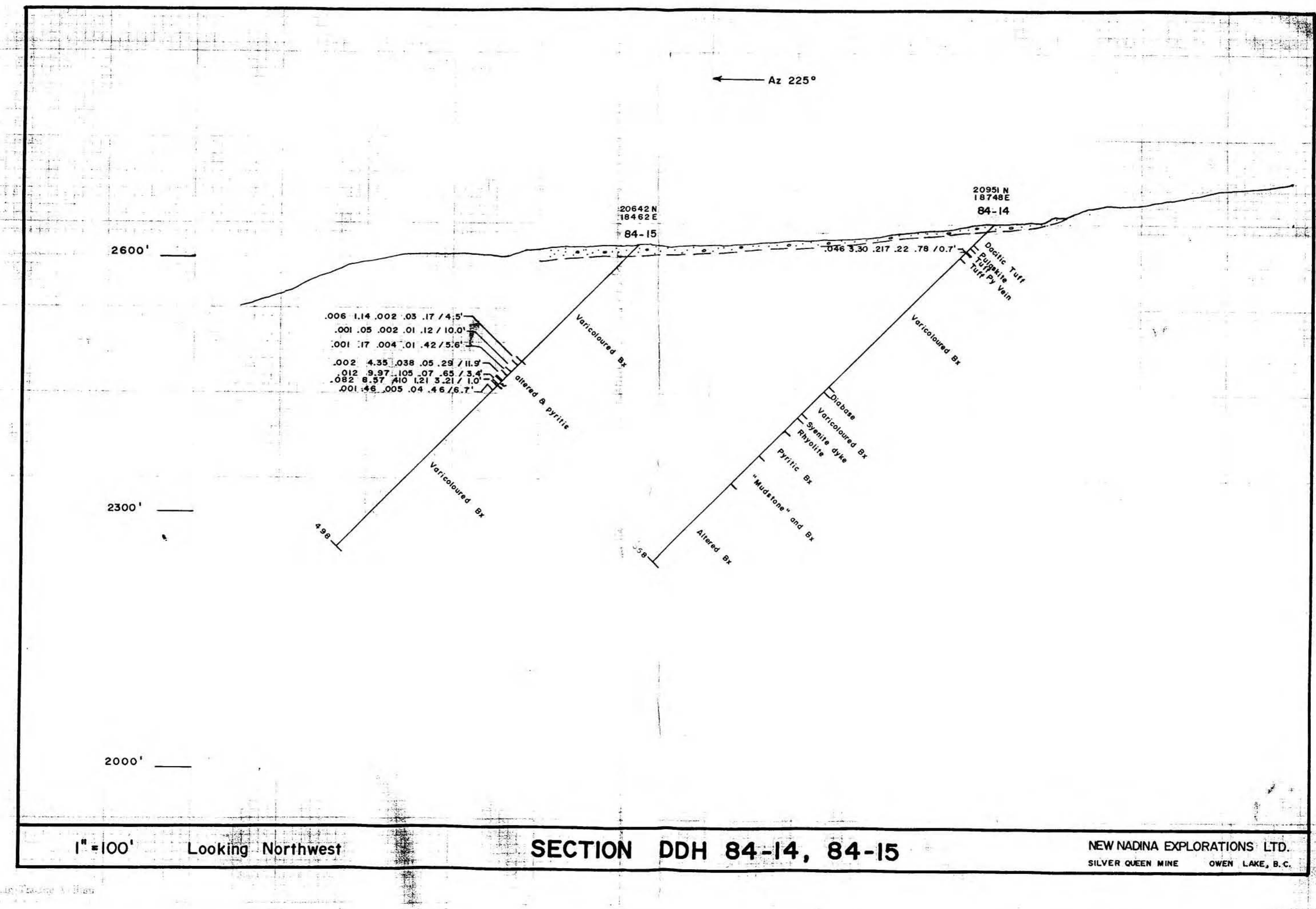
DATE

COORD LOCATION

ELEV. Az CORE SIZE

LENGTH DIP PURPOSE

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE No.	LENGTH	REC		oz/Ton Au	oz/Ton Ag	% Cu	% Pb	% Zn	% Cd
398	408		16100	10.0			0.001	0.01				
408	418		16101	10.0			0.001	0.01				
418	428		16102	10.0			0.001	0.01				
428	438		16103	10.0			0.001	0.01				
438	448		16104	10.0			0.003	0.01				
448	458		16105	10.0			0.001	0.01				
458	468		16106	10.0			0.001	0.01				
468	478		16107	10.0			0.001	0.01				
478	488		16108	10.0			0.001	0.01				
488	498		16109	10.0			0.001	0.01				
		498 END OF HOLE										



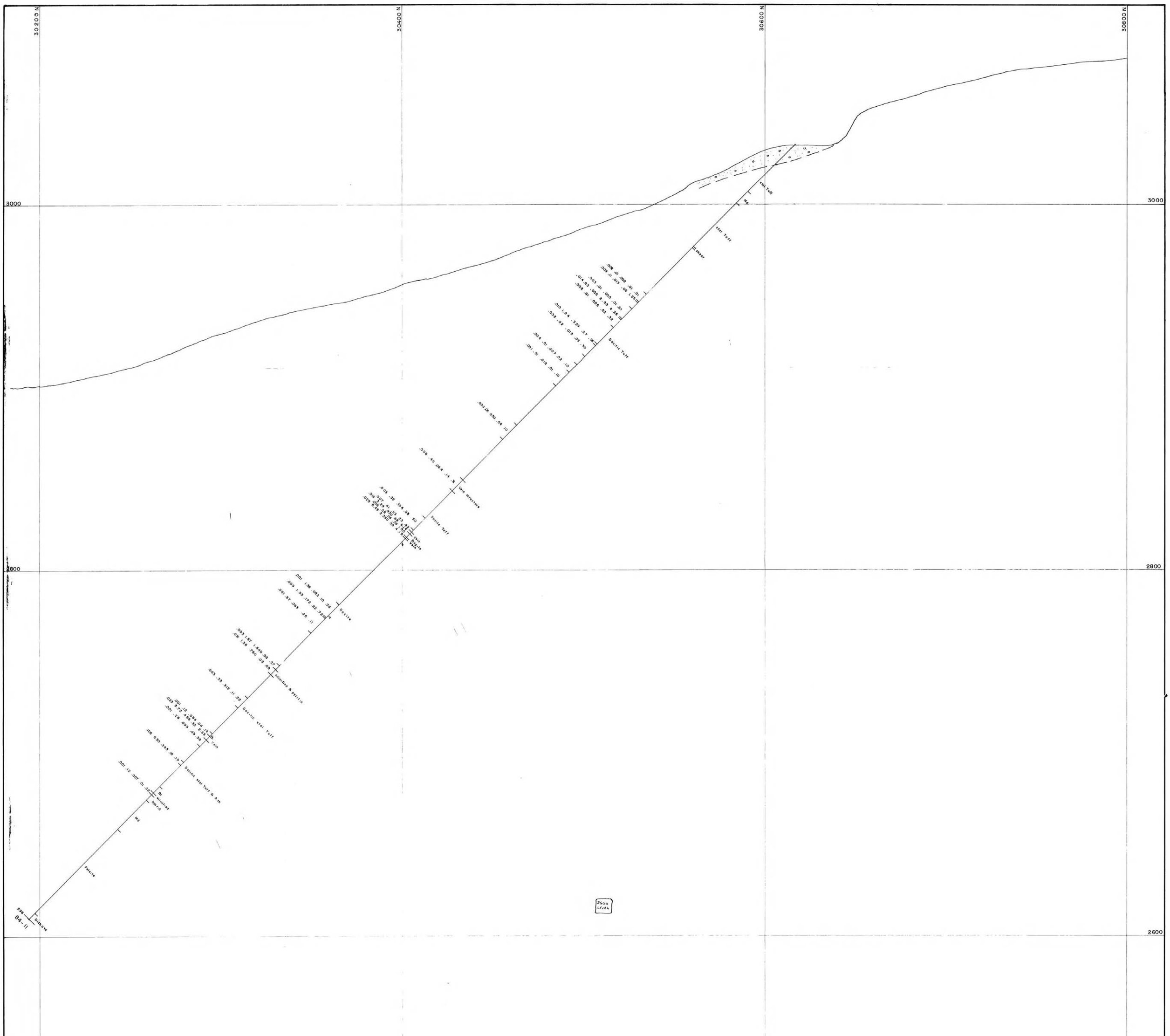
1" = 100' Looking Northwest

SECTION DDH 84-14, 84-15

NEW NADINA EXPLORATIONS LTD.
SILVER QUEEN MINE OWEN LAKE, B.C.

30200 N | 30400 N | 30600 N | 30800 N

3000 | 2800 | 2600 | 2400

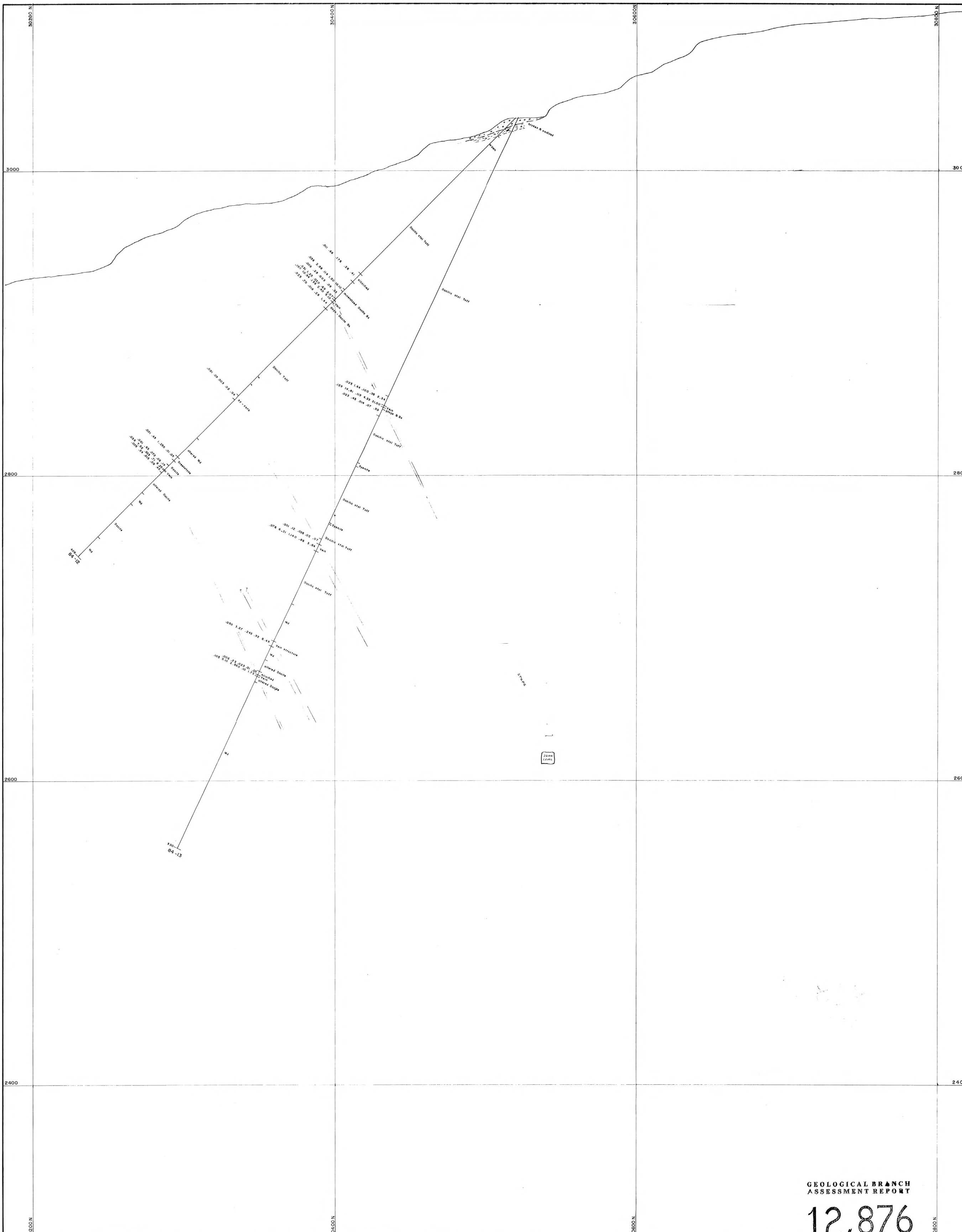


1" = 20'

SECTION: 28075 E

NEW NADINA EXPLORATIONS LTD.

SILVER QUEEN MINE OWEN LAKE B.C.



1" = 20'

SECTION: 27865 E

NEW NADINA EXPLORATIONS LTD.

SILVER QUEEN MINE OWEN LAKE B.C.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,876

N

EARL No. 1
L7399

EARL No. 1 FR.
L7401

SILVER KING
L6547

TYEE
L6548

TXL No. 3
L7403

IXL
L6551

LUCY
L7404

LILI FR.
L7541

MARY
L7540

ASTA FR.
L7543

MARG FR.
L7542

MAE No. 1
L7544

SILVER 4 M.C.
107 (8)

SILVER 5
108 (8)

PORTAL
ELEV. 2600

84-13
84-12
84-11
83-10
83-9
84-14
84-15

Tie
ALMACK Relse

TRENCH

0 30 60 90 Meters

NEW NADINA EXPLORATION LTD.

REID EXPLORATION SERVICES LTD.

SILVER QUEEN MINE OWEN LAKE, B.C.

SURFACE PLAN

LOCATION D.D.H. 83-9 thru 84-15.

DRN. BY: R.E.R.	DATE: AUG. 21, 1980
	REVISED: June 1984
N.T.S.: 93L2	SCALE: 1:1200