REPORT ON
1988 DRILL PROGRAM
ON THE PURDEX PROPERTY
KENORA MINING DIVISION, ONTARIO

NTS 52 E / 11 NE

Latitude 49° 43' N
Longitude 95° 05' W

for

CONSOLIDATED JALNA RESOURCES LIMITED
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Calgary, Alberta T2H 2L8

by

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SUMMARY

The Purdex property, held under option by Consolidated Jalna Resources Limited, comprises seven leasehold mineral claims located west of Kenora, Ontario near the Manitoba border.

Previous work on the property has included trenching, 9088 feet of diamond drilling in 37 shallow holes and limited surface geophysical and geological surveys. A current program of access road construction and 5491 feet of diamond drilling in 12 shallow and deep holes was completed by Consolidated Jalna Resources Limited in late 1988. This report summarizes the results of this program in conjunction with all previous drilling and surface geological information.

The property occurs within the northern marginal region of the Wabigoon Greenstone Belt in an area of numerous gold prospects and deposits.

The Purdex property is centered over the Purdex deposit, which consists of a series of NW-SE trending and steeply dipping lensoid to tabular, gold-bearing quartz vein structures associated with the contact of a felsic porphyry sill within and subjacent to a concordant sheared, fractured, altered and sulphidized zone. Five tabular gold mineralized shoots (i.e. A, B-North, B-South, C and P Zones) are drill indicated within the vein zones.

Prior to the current drill program, reserves were calculated by the writer at a cutoff of 0.10 ounces gold per ton minimum 5.0 feet true width to be 91,000 tons grading 0.26 ounces gold per ton to depths of 160 to 350 feet in six shoots (i.e. four shoots in the B Zone as well as the P and A Zones) with an average true width of 7.2 feet.

Results of the current drill program, designed to confirm and better define shallow reserves in the B Zone and to evaluate the potential

of the B, C and P Zones along strike and at depth, were highly encouraging in that:

i) Shallow holes in the B Zone confirmed and better defined depth limited probable open pittable gold reserves;

ii) Deep holes in the P Zone (i.e. to a vertical depth of up to 500 feet and along strike for up to 300 feet) established continuity of the gold zone from surface to the depths and strike extent drill tested and identified the P Zone as a major zone of shearing, quartz-sulphide (i.e. pyrite, pyrrhotite, minor chalcopyrite and traces of arsenopyrite) veining and silicification averaging 30 to 35 feet wide with associated felsic porphyry dyke activity;

iii) Deep holes to vertical depths of up to 700 feet have indicated substantial potential for expanding reserves at depth in the A, B, C and P Zones;

iv) Reserves have been substantially increased to approximately 250,000 tons grading 0.25 to 0.30 ounces gold per ton; and

v) Reserve potential of the deposit to depths of 1,000 feet is considered to be more than 1,000,000 tons.

Accordingly, an expanded surface and diamond drill program is recommended for 1989, as follows:

PHASE I:	30,000 feet of diamond drilling in forty-two 200- to 1200-foot holes designed to delineate reserves in A, B, C and P Zones to the -1000 foot level ----------	$1,140,000
PHASE II:	i) Grid controlled surface geophysical, geochemical and geological surveys to model the deposit and identify similar targets for drill testing along strike and sub-parallel to the main deposit ----------	100,000
	ii) 10,000 feet of diamond drilling to test step-out targets as per i) above ----------	260,000
		$1,500,000

INTRODUCTION

Consolidated Jalna Resources Limited (formerly Jalna Resources Limited) holds an option to acquire a 100% interest, subject to a 10% net profits interest royalty to property vendors, in the Purdex property, consisting of seven contiguous leasehold mineral claims located west of Kenora, Ontario near the Manitoba border.

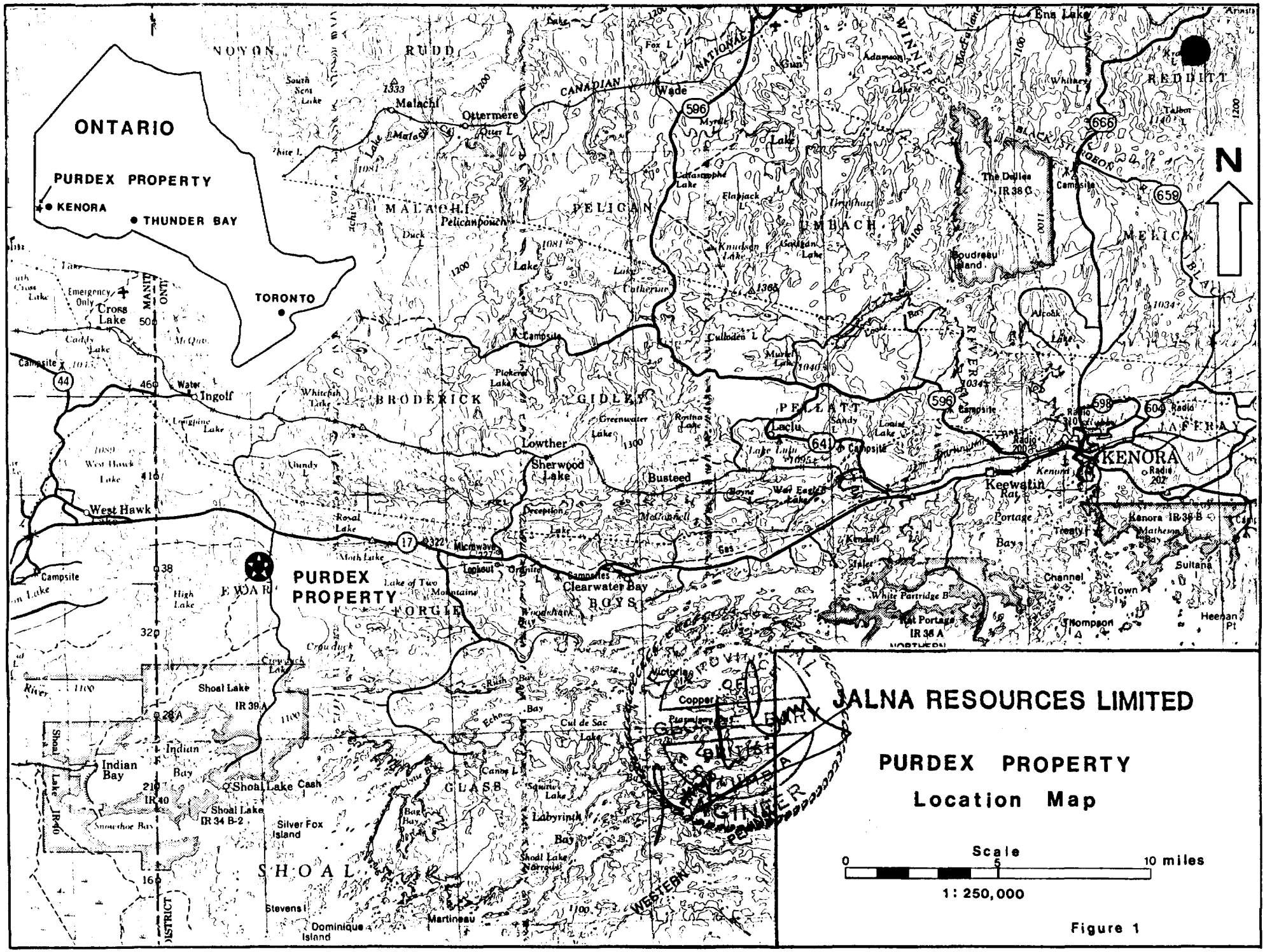
In January, 1988, Consolidated Jalna Resources Limited, Calgary, Alberta, commissioned Schindler Exploration Consultants Limited to evaluate the economic potential of the Purdex property and to recommend an exploration program for the property. Their report, entitled "Report on the Purdex Property, Kenora Mining Division, Ontario," by J. N. Schindler dated February 16, 1988, is included herein as Appendix IV.

During October 21 to December 31, 1988, Consolidated Jalna Resources Limited carried out a program of 5491 feet of diamond drilling in 12 holes on the Purdex property. This report summarizes the results of this program in conjunction with a documentation of previous drilling and surface geological information.

LOCATION, ACCESS AND PHYSIOGRAPHY

The Purdex property is located on the southeast side of South Baubee Lake, otherwise known as Electrum Lake, 27 miles west of Kenora, Ontario, 1 1/2 miles south of the Trans Canada Highway and three miles east of the Manitoba boundary within Ewart Township (Figures 1 and 2). The center of the property is situated at latitude 49° 43' north and longitude 95° 05' west.

The property is accessible by a one-mile long winter and summer road which leads westerly off the all-weather Shoal Lake Road, 1 1/2 miles south of the Trans Canada Highway.


ONTARIO
PURDEX PROPERTY
KENORA
THUNDER BAY
TORONTO
PURDEX PROPERTY
JALNA RESOURCES LIMITED
PURDEX PROPERTY
Location Map
Scale
0
5
10 miles
1 : 250,000
N
Figure 1

A power transmission line and Canadian Pacific Railway line are located respectively 2 1/2 and 5 miles north of the property.

The region of the property exhibits the low relief characteristic of the Canadian Shield. The property is characterized by low rounded hills, with relief of up to 50 feet, exhibiting good outcrop exposure. Swampy areas of low relief are restricted to local drainages and the margins of Electrum Lake.

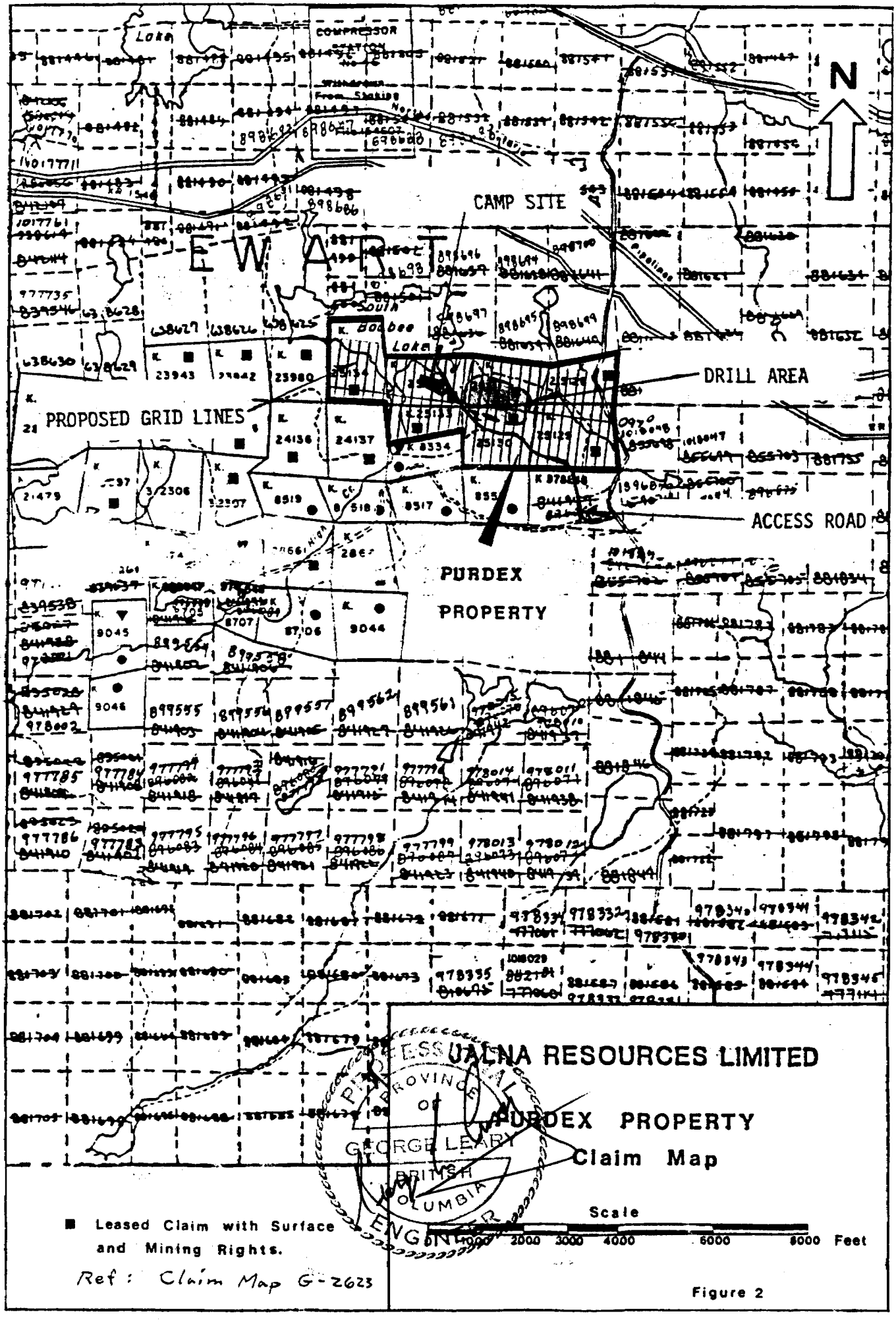
PROPERTY CLAIMS

The Purdex property consists of seven contiguous leasehold mineral claims comprising 279.35 acres covering an east-west elongate rectangular block measuring approximately 1/2 mile by 1 1/4 miles (Figure 2). The claims are detailed in Table 1. The mining leases held on the claims are 21-year renewable leases.

TABLE 1: Leasehold Mineral Claims

Leasehold Parcel	Mining Claim	Mining Lease	Lease Anniversary
2411	K. 25128	100436	Mar 1, 2007
2410	K. 25129	100435	Mar 1, 2007
2398	K. 25130	100056	Jan 1, 2006
2399	K. 25131	100057	Jan 1, 2006
2427	K. 25132	101281	Dec 1, 2008
2428	K. 25133	101280	Dec 1, 2008
2429	K. 25134	101279	Dec 1, 2008

Consolidated Jalna Resources Limited currently holds the above leasehold mining claims under option, whereby it can purchase a 100% interest in the property subject to a 10% net profits interest royalty.



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PURDEX PROPERTY

Claim Map

■ Leased Claim with Surface and Mining Rights.

Ref: Claim Map G-2623

Scale

1000 2000 3000 4000 6000 8000 Feet

Figure 2

PREVIOUS WORK

Previous work carried out on the Purdex property, as well as the history of exploration and mine development in the Kenora region, is summarized in Appendix IV in "History of the Area" and "History of the Property."

A summary of previous work on the Purdex property is given as follows:

Year	Company	Work Done
1951	San Antonio Gold Mines	Drilling and sampling.
1953	Barymin Company Limited	Geological mapping and trenching.
1956	C. A. Alcock and A. Duncan	Drilled four short holes totalling 506 feet.
1958	Purdex Minerals Limited	Geological mapping, trenching and 8582 feet of diamond drilling in 33 holes.
1960	Electrum Lake Gold Mines Ltd.	Held under option but did no work.
1965-66	Steep Rock Iron Mines Ltd.	Induced polarization surveying.
1970	Croydon Mines Ltd.	Induced polarization surveying.
1973-74	Hanson Mines Limited	Drilled two short diamond drill holes.
1980-81	Sherritt Gordon Mines Ltd.	Completed magnetic and EM surveying, geological mapping and trench sampling, and prepared level plans and cross sections of the deposit.
1982	Jalna Resources Limited	Preliminary geological mapping and evaluation of drill area.

1988 DRILL PROGRAM

Work carried out on the Purdex Property by Jalna in 1988 consisted of:

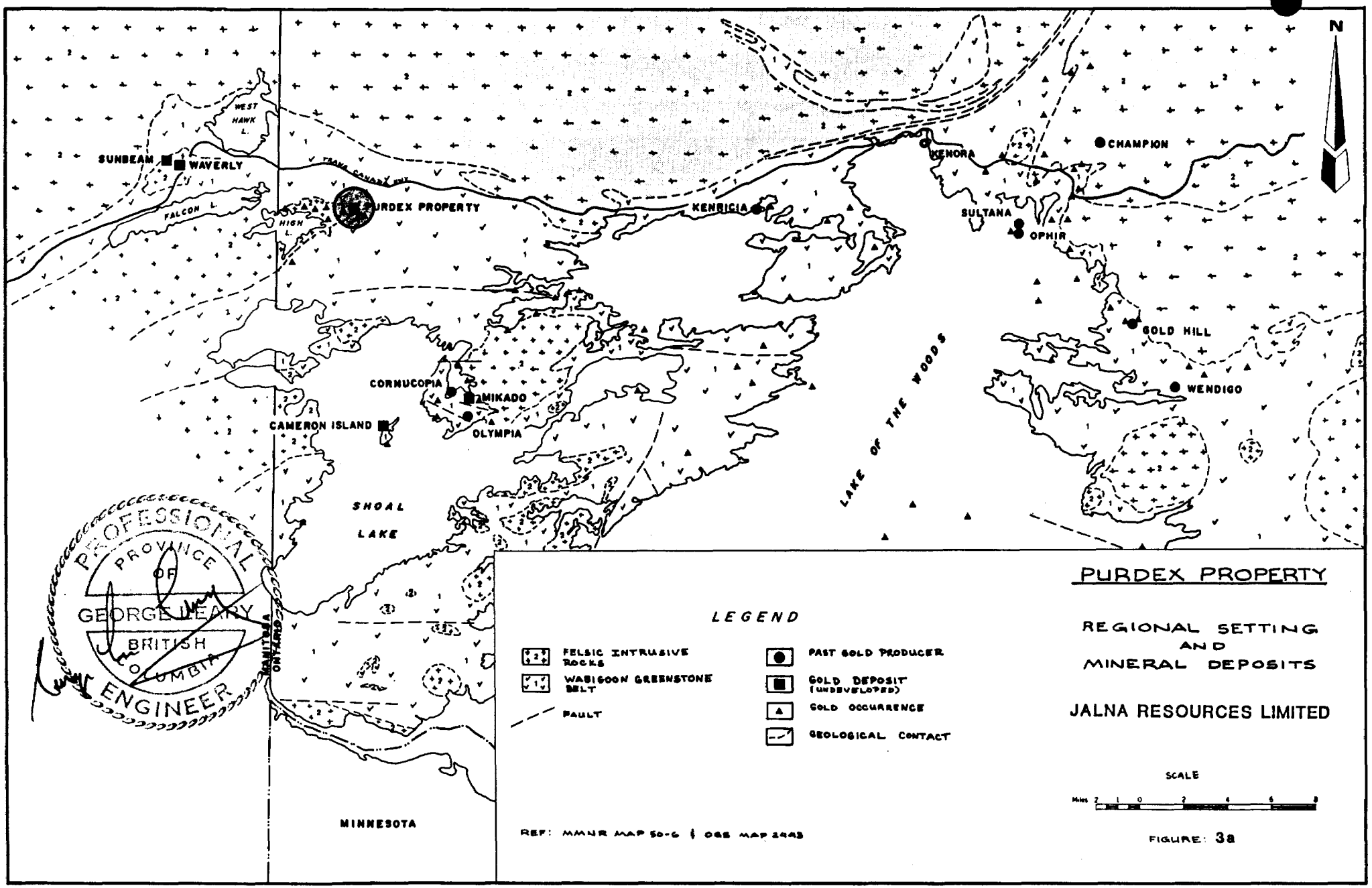
i) Refurbishing of the existing winter road into the drill area and upgrading same to both a winter and summer road; and construction of an extension to the road from the drill area to South Baubee Lake (i.e. Electrum Lake); and

ii) Carrying out a program of 5491 feet of BQ diamond drilling in 12 holes in order to confirm and better define shallow reserves in the B Zone, which included marginal step-out holes, and to evaluate the potential of the B, C and P Zones with step-out holes along a strike extent of 415 feet and to a vertical depth of 705 feet.

REGIONAL GEOLOGY

The Purdex property covers one of numerous vein-type gold deposits associated with the contacts of granitic stocks and batholiths along the northern margin of the Wabigoon Greenstone Belt in the Kenora region (Figure 3a). Of these deposits, Purdex is considered to be one of the most significant undeveloped gold deposits in the Kenora region. A number of the deposits in the region have produced in the past.

The Purdex property occurs within a four-mile long east-west gold belt with associated molybdenite and arsenopyrite, characterized by gold vein and local skarn type prospects and molybdenum (± copper) vein-type occurrences associated with the northeast apex of the High Lake granitic and felsic porphyry stock which is emplaced into mafic meta-volcanic and metasedimentary rocks, herein called the Highlake Gold Belt (Davies, J. C., 1965, O.D.M. Geol. Report No. 41). Molybdenite occurs principally within



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GEORGE LEARY

the stock, whereas, gold tends to occur near the margin of the stock, principally in contact zones with the stock or in contact zones associated with an east-west trending porphyry sill and dyke swarm related to the High Lake stock. Arsenopyrite occurs in the area associated with gold, principally in one prospect (i.e. Arsenic Zone) at the east end of the belt further from the apex of the High Lake stock than all other prospects in the area. Prospects within the above apparent zoned molybdenum-gold-arsenic belt are spatially associated with a radiating set of north-northeast to east-west trending inferred faults and lineaments at the apex of the High Lake stock. A number of unmined major gold deposits occur in the immediate vicinity of the Purdex property, as follows:

> Sunbeam: 110,000 tons grading 0.256 ounces gold per ton; pipe-like silicified body within a differentiated gabbro-quartz diorite stock.
>
> Waverley: 294,000 tons grading 0.35 ounces gold per ton; silicified shear zone along the contact of a differentiated gabbro-quartz diorite stock.
>
> Cameron Island (Duport Mine or Shoal Lake): 1,500,000 tons grading 0.34 ounces gold per ton; two sub-parallel zones characterized by stratiform disseminations of pyrite, arsenopyrite and gold in felsic tuffs.
>
> Mikado-Cedar Island: 863,000 tons grading 0.25 ounces gold per ton over an average width of 5.5 feet.

The latter two deposits are the largest developed to date in the Kenora region.

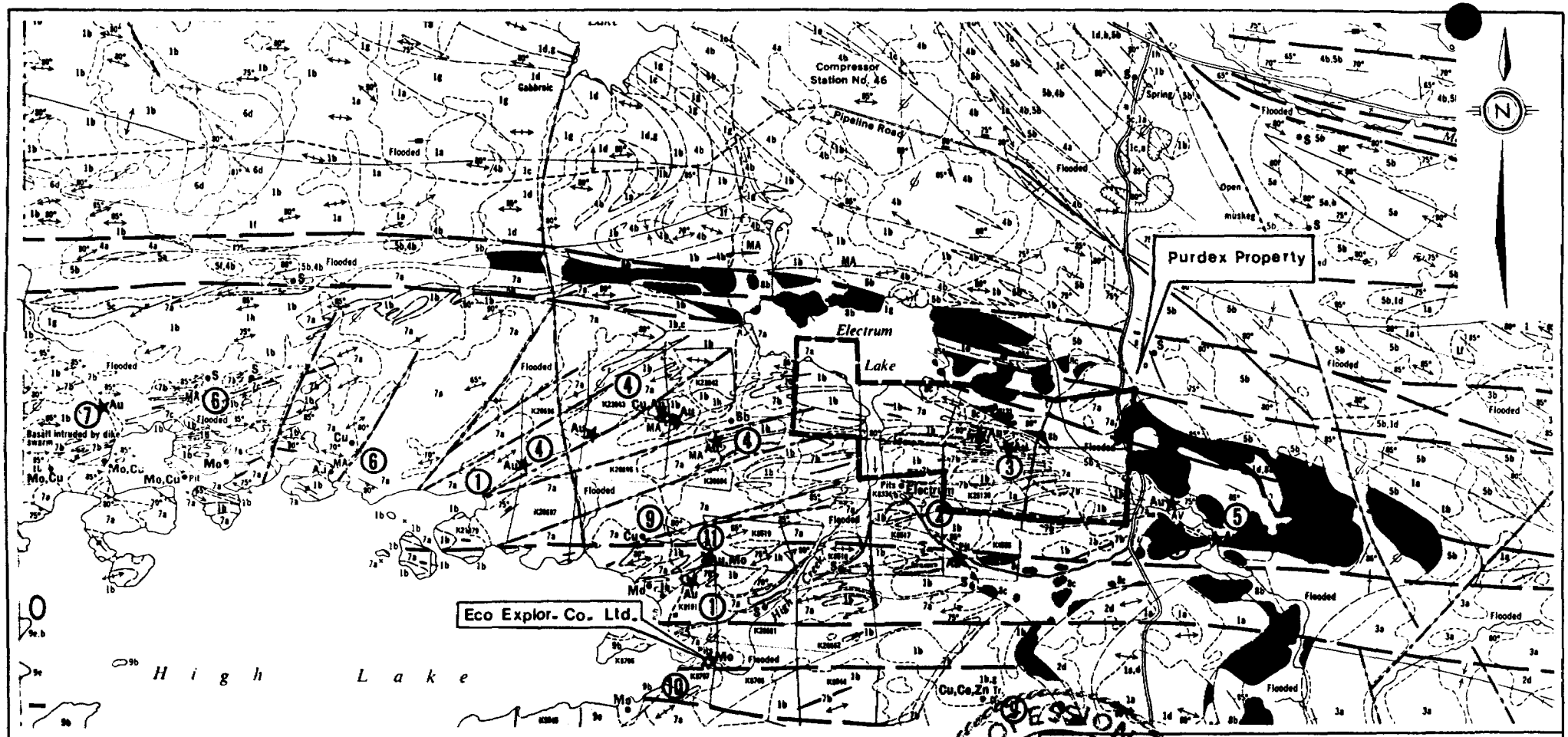
For further details of the regional geologic setting and major gold deposits in the immediate vicinity of the Purdex property, the reader is referred to Appendix IV.

PROPERTY GEOLOGY AND PRE-1988 RESERVES AND POTENTIAL

The Purdex property covers a major portion of the High Lake Gold Belt where it is associated with an east-west trending porphyry dyke and sill swarm northeast of the apex of the High Lake stock (Figure 3b). A porphyry dyke and sill swarm extends easterly to east-southeasterly across the central and southern portion of the property. The Purdex deposit is associated with an embayment along the southern contact of an east-southeasterly trending porphyry sill in the central portion of the property.

In 1982, the writer examined the surface showings in some detail and carried out preliminary mapping (see Figure 4) within the drill area in order to evaluate the geologic setting of the deposit. Also, the writer compiled gold intercepts from pre-1988 drilling as given in Table 2 and summarized his observations in "Summary Report on the Purdex Property" of January, 1988, as follows:

> The Purdex deposit, based on a field examination and study of the drill data by the writer, consists of a series of quartz-tourmaline-pyrite veins trending WNW-ESE arranged either as (1) a closely packed ribbon system of strike limited veins in zones trending north-south (i.e. A Zone) or north-northeast (i.e. B Zone-South) associated with an embayment area along the contact of a dyke, or as (2) linear strike-continuous essentially singular banded veins (i.e. P Zone, southeast extension of B Zone-South and an indicated mineralized vein exposed in trenches northwest of the B Zone-South). The vein system has been tested to depths of up to 195 feet except for one hole which tested the A Zone at a depth of 310 feet. All zones are open at depth. No systematic change in grade or vein widths was noted at depth.
>
> Five mineralized zones are recognized by the writer, including the following:



LIST OF PROPERTIES

1. San Antonio Gold Mines Ltd. (1953).
2. Kenopo Mining & Milling Co. Ltd. (1938),
3. Purdex Property, Jalna Resources Limited (1983).
4. Electrum Lake Gold Mines Ltd. (1960).
5. Hoey Grubstake (1959) Syndicate.
6. Selco Exploration Co. Ltd. (1961).
7. Bardyke Mines Ltd. (1961).
9. Alcock C.A.
10. Evenlode Mines Ltd.
11. Francoeur Mines Ltd, (1958).

——— ——— Inferred Fault — — — Lineament

LEGEND

7	Acid Intrusive Rocks
5,8	Metasediments
4	Felsic Volcanic Rocks
1	Mafic Volcanic Rocks
(3)	Location of mining property.
	Claim line.
✱ Au	Gold Prospect
✡ Mo	Molybdenum Deposit

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PURDEX PROPERTY

GEOLOGICAL MAP
OF
PROPERTY & VICINITY

Scale
0 ¼ ½ 1 mile

REF. ODM MAP 2069.

FIGURE: 3b

TABLE 2

GOLD INTERCEPTS IN DIAMOND DRILL HOLES (PRE-1988 HOLES)

(After Summary Report on the Purdex Property
by G. M. Leary, January, 1988)

	GOLD INTERCEPTS ≥ .1 OUNCES GOLD PER TON			GOLD INTERCEPTS ≥ .1 OUNCES GOLD PER TON MINIMUM 5 FEET		
DRILL HOLE NUMBER	INTERVAL (feet)	LENGTH (feet)	OUNCES GOLD PER TON	INTERVAL (feet)	LENGTH (feet)	OUNCES GOLD PER TON
1A	23.5- 31	7.5	1.27	23.5- 31	7.5	1.27
	79 -102	23.0	.34	79 -102	23.0	.34
	107 -112	5.0	.21	107 -112	5.0	.21
2A	56 - 60	4.0	.56	55 - 60	5.0	.46
	114.3-117	2.7	.22	112 -117	5.0	.13
	125 -129.5	4.5	.31	125 -130	5.0	.28
	145 -148	3.0	.48	145 -150	5.0	.30
3A	126 -139	13.0	.16	126 -139	13.0	.16
	148.5-158	9.5	.16	148.5-158	9.5	.16
	206 -212.7	6.7	.11	206 -212.7	6.7	.11
	217.7-222.7	5.0	.16	217.7-222.7	5.0	.16
4A	213 -219.5	6.5	.36	213 -219.5	6.5	.36
5A	180.5-182.5	2.0	.17*			
11A	46.5- 57	10.5	.18	46.5- 57	10.5	.18*
12A	148.5-149	.5	.56			
	175 -180.5	5.5	.18	175 -180.5	5.5	.18
13A	284.5-285	.5	.20			
15A	165 -170	5.0	.17*	165 -170	5.0	.17*
16A	152 -156	4.0	.21*	152 -157	5.0	.17*
	334 -336	2.0	.45*	333 -338	5.0	.21*
	354.5-363	8.5	.27*	354.5-363	8.5	.27*
18A	166 -176	10.0	.14	166 -176	10.0	.14
	180 -188.1	8.1	.30	180 -188.1	8.1	.30
20A	204.4-206.4	2.0	.16			
21A	17.7- 20.7	3.0	.12			
22A	224.5-228.9	4.4	.52	223.9-228.9	5.0	.46
24A	2 - 10	8.0	.25	2 - 10	8.0	.25
	63.2- 78.5	15.3	.30	63.2- 78.5	15.3	.30
	85.5- 90.5	5.0	.26	85.5- 90.5	5.0	.26
25A	1.0- 9.0	8.0	.15	1.0- 9.0	8.0	.15
	86.7- 89.7	3.0	.72	84.7- 89.7	5.0	.46
28A	97.5-117.1	19.6	.14*	97.5-117.1	19.6	.14*
29A	119.7-124.6	4.9	.18*	119.6-124.6	5.0	.18*
	139.5-144	4.5	.11*	139 -144	5.0	.10*
2	71.5-100	28.5	.26	71.5-100	28.5	.26
3	20 - 21.5	1.5	.74	20 - 25	5.0	.22
4	27.4- 34.3	6.9	.27	27.4- 34.3	6.9	.27
	73.6- 81.1	7.5	.27	73.6- 81.1	7.5	.27
	90.6-102	11.4	.34	90.6-102	11.4	.34

*Composite of original and check assays; check assays at X-Ray Labs on rejects and second half of core consistently significantly higher than original assay by an average of 37% on above samples.

A Zone: pipe-like lensoid zone;

B Zone-North: comprised of two sub-parallel west-northwest trending zones possibly extending northwest to the intercept in DDH-3 and southeast to the intercepts in DDH's 15A and 16A, for a possible strike length of 140 feet;

B Zone-South: comprised of two sub-parallel west-northwest trending zones potentially open to the northwest and possibly extending to the southeast along the tail of the zone for up to at least 50 feet;

P Zone: singular linear vein structure possibly extending along strike for at least 80 feet;

Chert Zone: singular linear vein structure inadequately tested near surface with sporadic surface values of 0.33 to 0.40 ounces gold per ton across five feet.

In 1958, Purdex calculated the drill-indicated reserves at 76,500 tons grading 0.32 ounces gold per ton.

The writer has calculated the drill-indicated reserves to depths of 160 to 350 feet utilizing a 0.10 ounces gold per ton cutoff with a minimum true width of five feet, at 91,000 tons grading 0.26 ounces gold per ton. Average true width of each of six shoots comprising the reserves within the first four of the five zones described above ranges from 6.2 to 7.5 feet (i.e. average of 7.2 feet).

Also, the writer has calculated the undiluted drill-indicated reserves utilizing a 0.10 ounces gold per ton cutoff in the B and A Zones to depths of 240 and 350 feet respectively, at 70,000 tons grading 0.30 ounces gold per ton with average true widths of the five shoots of 6.4 feet (range from 5.4 to 6.6 feet), and in the P Zone to a depth of 160 feet at 12,000 tons grading 0.20 ounces gold per ton with an average true width of 7.2 feet.

The property is considered to have good exploration potential (1) in the near surface environment with respect to possible extensions of mineralized zones within the B Zone and with respect to the Chert Zone, (2) at depth with respect to all known mineralized zones, and (3) near surface and at depth along the favourable associated porphyry-volcanic contact zone.

A reserve potential of 200,000 tons to a depth of 500 feet and 300,000 to 500,000 tons to a depth of 1,000 feet is considered to be a reasonable expectation for the property.

For further details of property geology, etc., the reader is referred to Appendix IV.

RESULTS OF THE 1988 DRILL PROGRAM

Data based on the 1988 diamond drill program is included herein as follows:

1. Modified surface geology as per 1988 drilling and locations of all diamond drill holes are given on Figure 4.

2. Diamond drill hole cross sections (i.e. A-A', B-B' and C-C') and a composite longitudinal section of diamond drill hole intersections (i.e. D-D') are included herein (i.e. Figures 4, 5(a), 5(b), 5(c), and 6). Sections A-A', B-B', and C-C' show all 1988 holes except for 88 DDH-45, 46, 41 and 48.

3. Assay certificates and drill hole logs are included for all 1988 drill holes as Appendices II and III respectively.

4. Gold intercepts from 1988 drill holes are given in Table 3.

Results of the 1988 drill program are summarized as follows:

1. Gold intercepts in confirmation hole 88 DDH-38 collared within 20 feet of hole 1A compare favourably with same within reasonable grade variances, as illustrated by the following intercept comparisons:

TABLE 3

GOLD INTERCEPTS IN 1988 DIAMOND DRILL HOLES

DDH NO.	FOOTAGE	LENGTH (FT)	OZ. GOLD PER TON	ZONE
88 DDH 38	40.8 - 43.7	2.9	0.356*	B-North
"	59.5 - 61.3	1.8	0.182	B-North
"	72.5 - 104.0	31.5	0.369	B-South
"	87.6 - 104.0	16.4	0.446*	B-South
"	93.6 - 100.0	6.4	1.199*	B-South
"	113.5 - 123.4	9.9	0.056	B-South
88 DDH 39	214.4 - 216.0	1.6	0.054	B-North
88 DDH 40	494.6 - 497.6	3.0	0.122	B-North
88 DDH 42	74.0 - 75.0	1.0	0.144	Chert
88 DDH 43	315.8 - 317.2	1.4	0.314	P
"	327.2 - 333.0	5.8	0.071	P
"	357.9 - 367.3	9.4	0.307	P
" Inc.	365.8 - 367.3	1.5	1.541	P
88 DDH 44	427.7 - 432.6	4.9	0.100	P
"	536.5 - 546.1	9.6	0.133	P
" Inc.	542.5 - 543.5	1.0	0.562	P
88 DDH 45	95.4 - 97.0	1.6	0.102	B-North
"	110.7 - 138.4	27.7	0.101	B-South
" Inc.	110.7 - 124.7	14.0	0.155	B-South
" Inc.	121.8 - 123.5	1.7	0.886*	B-South
88 DDH 46	14.3 - 14.8	0.5	0.399+	B-North
"	27.8 - 48.7	20.9	0.189	B-South
" Inc.	27.8 - 29.3	1.5	0.577	B-South
" Inc.	37.6 - 42.0	4.4	0.323	B-South
" Inc.	47.0 - 48.7	1.7	0.524	B-South
"	54.9 - 56.7	1.8	0.100	B-South
88 DDH 47	53.2 - 59.2	6.0	0.059	B-South
"	67.8 - 68.5	0.7	0.164	B-South
88 DDH 49	349.0 - 386.1	37.1	0.236	P
Inc.	349.0 - 370.8	21.8	0.344	P
Inc.	351.1 - 353.3	2.2	2.142	P
Inc.	368.3 - 369.3	1.0	0.724	P

*Visible gold observed in drill core.

+Intercept cut footwall portion of B Zone-North with overburden to 14.3 feet. Gold zone is likely much wider than that intersected.

Zone	DDH	Footage	Length (ft)	Oz. Gold per Ton
B Zone-North	1A	23.5 - 31	7.5	1.27
"	88-DDH-38	40.8 - 43.7	2.9	0.356
B Zone-South	1A	79.0 - 102.0	23.0	0.34
"	88-DDH-38	72.5 - 104.0	31.5	0.369

2. Shallow confirmation, fill-in and marginal step-out holes (i.e. 88-DDH-38, 39, 45, 46 and 47) confirmed and better defined the B Zone-North and -South. Drilling demonstrated that these zones are depth limited to approximately 180 feet and appear to terminate at or near an intrusive ledge (i.e. porphyry roll as noted on Figures 4 and 5) at this depth. Very strike limited tails may extend to depths greater than 180 feet in both the B Zone-North and -South. Gold intercepts in these zones are typically characterized by single, ribbon banded or intermittent quartz veins and stringers with 3 to 7% associated disseminated sulphides (i.e. pyrite with lesser pyrrhotite and chalcopyrite) and abundant tourmaline. Associated wallrock alteration consists of weak carbonatization and chloritization.

3. Deep step-out drilling in the P Zone (i.e. 88-DDH-40, 41, 43, 44 and 49; Table 3) has demonstrated good continuity to vertical depths of up to 500 feet and along strike for up to 300 feet below previous shallow holes which tested the zone to a depth of 210 feet. Previous shallow drill holes completed in the P Zone by Purdex Minerals Limited in 1958 are as follows:

DDH No.	Footage	Length(ft)	Oz. Gold per Ton
11A	46.5 - 57	10.5	0.185
12A	148.5 - 149	0.5	0.56
12A	175 - 180.5	5.5	0.18
18A	166 - 176	10.0	0.14
18A	180 - 188.1	8.1	0.30
20A	204.4 - 206.4	2.0	0.16
22A	224.5 - 228.9	4.4	0.52

Previous and current drilling in the P Zone has demonstrated that the P Zone is a major zone of shearing (i.e. mylonitization), quartz-sulphide (i.e. 3 to 7% disseminated pyrite, pyrrhotite, minor chalcopyrite and local traces of arsenopyrite)-tourmaline veining and silicification averaging 30 to 35 feet wide with associated felsic porphyry dyke activity. The zone is open along strike to the west and at depth.

4. The C Zone has only previously been tested by a single drill hole, as follows:

DDH No.	Footage	Length (ft)	Oz. Gold per Ton
16A	334 - 336	2.0	0.45
16A	334.5 - 363	8.5	0.27

88-DDH-48, completed to a depth of 822 feet as a 350-foot step-out down plunge the above intercept, intersected a visually significant 27.2-foot long quartz veined, sulphide mineralized and tourmaline-bearing zone from 782.8 to 810.0 feet. Although the zone did not carry significant gold, it is likely very proximal to a gold zone along strike due to its similarity to the B Zone, C Zone gold intercept in drill hole 16A and due to probable zoning as per 6. below. The C Zone is therefore considered open along strike and down plunge at depth.

5. Drill holes 88-DDH-42 and 47 in the Chert Zone confirmed the extension of the gold-bearing Chert Zone (i.e. B Zone-South) to the west, but failed to encounter any substantial gold intercepts.

6. A northwest-southeast striking and steeply north dipping zone of intermittent sheared, fractured, altered (i.e. chloritized, carbonatized and locally black "cherty" silicified) and sulphidized (i.e. 1 - 5% pyrrhotite with minor pyrite and chalcopyrite) rock is spatially associated with

the gold zones (Figures 4 to 6 incl.), particularly the central wider portion of the altered and sulphidized zone and a high sulphide core with 5% to locally 30% sulphides. In detail, the B and A Zones occur within the altered and sulphidized zone and marginal (i.e. on the SE side) to the high sulphide core. The P Zone occurs marginally along the NE side of the altered and sulphidized zone and in particular the high sulphide core. Of interest is the indication that the high sulphide core is increasing in strike length with depth. Observations in drill core suggest that a gradation occurs from the quartz-sulphide-tourmaline-gold mineralized zones typical of the B and P Zones to the high sulphide pyrrhotite-pyrite-chalcopyrite fracture filling zones of the altered and sulphidized zone. The two are likely both temperally and spatially related.

7. The P Zone, A and B Zones and C Zone are tabular mineralized zones arranged in an apparent enechelon manner and as such, indicate the potential for additional zones along strike.

8. Reserves have been substantially increased as a result of the current drill program. A very preliminary estimate of reserves is approximately 250,000 tons grading 0.25 to 0.30 ounces gold per ton in the A and B Zones and P Zone, respectively to depths of 180 feet and 600 feet at a cutoff of 0.10 ounces gold per ton minimum 4.0 feet true thickness. Average true thickness of the zones ranges from 4.0 to up to approximately 30.0 feet. Approximately 40,000 to 50,000 tons within the A and B Zones is considered open pittable to a depth of 180 feet.

9. The above results, as well as deep drill holes to vertical depths of up to 700 feet, have indicated substantial potential

for expanding reserves at depth in the A, B, C and P Zones. Reserve potential of the deposit to depths of 1,000 feet is considered to be more than 1,000,000 tons.

CONCLUSIONS AND RECOMMENDATIONS

Based on the favourable geologic setting, highly encouraging results of the current drill program and on the enhanced potential of the Purdex property for increasing reserves to over 1,000,000 tons, it is concluded that the property warrants an expanded surface and diamond drill program in 1989, detailed as follows:

PHASE I:	30,000 feet of diamond drilling in forty-two 200- to 1200-foot holes designed to delineate reserves in the A, B, C and P Zones to the -1000 foot level ----------		$1,140,000
PHASE II:	i)	Grid controlled surface geophysical, geochemical and geological surveys to model the deposit and identify similar targets for drill testing along strike and sub-parallel to the main deposit ----------	100,000
	ii)	10,000 feet of diamond drilling to test step-out targets as per i) above ----------	260,000
			$1,500,000

Both Phase I drilling and Phase II surface work are proposed to start at the same time upon commencement of the 1989 program. Phase II drilling should overlap with Phase I drilling by utilization of a second drill.

CERTIFICATION

I, George M. Leary, hereby certify that:

1. I am a professional geologist, having received a B.Sc. degree in honours geology in 1967 and a M.Sc. degree in geology in 1969 from the University of British Columbia.

2. I have been a registered memeber of the Association of Professional Engineers of the Province of British Columbia since 1973, and have been registered as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta since 1984.

3. I am a Fellow of the Geological Association of Canada and a member of the Canadian Institute of Mining and Metallurgy.

4. I have been engaged in mineral exploration and property development work throughout Canada and the United States since 1964.

5. I have been involved in a wide variety of specialty (i.e. Mo, W, Nb, Ta), precious (Au, Ag) and base metal (Pb, Zn, Cu) projects throughout North America.

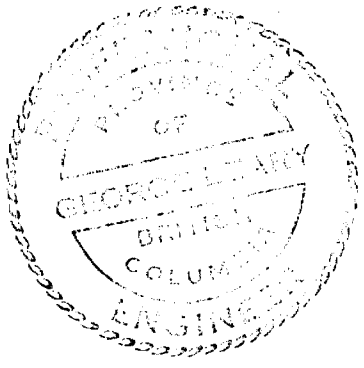
6. I have practiced my profession continuously since 1964 and have previously held responsible positions with Amax Exploration Inc. in Vancouver and Union Oil Company of Canada Limited in Calgary.

7. I am the author of this report, which is based on field work carried out under my supervision and on a review by the writer of published and private company reports, maps, sections, etc.

The writer was assisted in field supervision and in preparation of maps and sections for this report by geologists, Don Foley, B.Sc., and Brian Meyer, B.Sc.

8. I own, directly and indirectly, a total of 515,750 common shares in the securities of Consolidated Jalna Resources Limited.

Certificate signed under my professional seal this 28th day of February, 1989.



George M. Leary, M.Sc., P.Eng.
President
GML Minerals Consulting Ltd.
Suite A17, Block A
6120-2nd Street SE
Calgary, Alberta T2H 2L8
(403) 258-1395
FAX (403) 252-1921

APPENDIX I

REFERENCES

(As per Bibliography in Appendix IV)

APPENDIX II

DRILL CORE ASSAY CERTIFICATES

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8
ATTN: George M. Leary
cc: D. Foley - Kenora, Ontario

File No. 32011
Date November 24, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
"Core Samples"		
"Assay Analysis"		
88-DDH-38		
49026	.018	.06
49027	.034	.31
49028	.356	1.08
49029	.030	.45
49030	.022	.10
49031	.182	.40
49032	.008	.07
49033	.014	Trace
49034	.428	1.37
49035	.012	.02
49036	.042	.44
49037	.330	.29
49038	.092	.23
49039	1.266	1.29
49040	1.122	.32
49041	.502	.22
49042	.180	.34
49043	.016	.08
49044	.020	.08

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
612 2nd Street S.E.,
Calgary, Alberta T2H 2L8
ATTN: George M. Leary
cc: D. Foley - Kenora, Ontario

File No. 32011
Date November 24, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
88-DDH-38 Cont'd		
49045	.064	Trace
49046	.292	.45
49047	.082	Trace
49048	.068	Trace
49049	.012	.05
49050	.010	.11
49051	.008	.55
88-DDH-39		
49052	.010	.07
49053	.024	.38
49054	.016	.03
49055	.006	.35
49056	.022	.40
49057	.006	.09
49058	.022	.08
49059	.008	.03
49060	.006	.03
49061	.005	.01

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 2nd Street S.E.,
Calgary, Alberta T2H 2L8
ATTN: George M. Leary
cc: D. Foley - Kenora, Ontario

File No. 32011
Date November 24, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
88-DDH-39 Cont'd		
49062	.016	Trace
49063	.044	.36
49064	.018	.06
49065	.024	.06
49066	.054	Trace
49067	.010	.41
49068	.024	.50
49069	.010	.01
49070	.014	Trace
49071	.028	.21
49072	.012	Trace
49073	.010	.15
49074	.008	.07
49075	.006	.49
49076	.004	.08
49077	.003	.02
49078	.006	.05
49079	.004	.01

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L9
ATTN: George M. Leary
cc: D. Foley - Kenora, Ontario

File No. 32022
Date December 1, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	% BY WEIGHT
49102	.046	
-150 Mesh Pulp	.045	88.15
+150 Mesh Pulp	.056	11.85

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
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are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 2nd Street S.E.,
Calgary, Alberta T2H 2L9
ATTN: George M. Leary
cc: D. Foley - Kenora, Ontario

File No. 32022
Date December 1, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
"Core Samples"		
"Assay Analysis"		
49102	.045	.10
49103	.026	.35
49104	.002	.08
49105	.006	.39
49106	.008	.03
49107	.004	.04
49108	.020	.14
49109	.006	Trace
49110	.006	Trace
49111	.004	.10
49112	.006	.23
49113	.005	Trace

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.

David Ko.
Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L9
ATTN: George M. Leary
cc: D. Foley - Kenora, Ontario

File No. 32022
Date December 1, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
"Assay Analysis"		
88-DDH-40		
49080	.006	.25
49081	.006	.06
49082	.004	Trace
49083	.008	.05
49084	.002	.08
49085	.004	.02
49086	.005	.03
49087	.004	.10
49088	.006	.11
49089	.002	.03
49090	.002	.06
49091	.004	Trace
49092	.004	.03
49093	.003	.28
49094	.004	.13
49095	.005	.03
49096	.014	.36
49097	.122	Trace
49098	.018	.04
49099	.032	Trace

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

David G.
Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 2nd Street S.E.,
Calgary, Alberta T2H 2L9
ATTN: George M. Leary
cc: D. Foley - Kenora, Ontario

File No. 32022
Date December 1, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
88-DDH-40 Cont'd		
49100	.002	Trace
49101	.012	Trace

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Sui[redacted] A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32033
Date December 5, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
"Assay Analysis"		
88-DDH-41		
49114	.004	Trace
49115	.004	.06
49116	.003	.02
49117	.008	.01
49118	.008	.03
49119	.004	.04
49120	.002	.02
49121	.004	.02
49122	.002	.02
49123	.002	.08
49124	.006	.03
49125	.006	.17
49126	.005	.13
49127	.004	.10
49128	.006	.01
49129	.020	.02
49130	.004	Trace
49131	.052	.49
49132	.004	Trace

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
612 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32033
Date December 5, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
49133	.014	.01
49134	Trace	.04
49135	.003	Trace
49136	.004	Trace
49137	.012	.05
49138	.016	.04
49139	.008	.01
49151	.006	.43
49152	.014	Trace
49153	.004	.06
49154	.003	.02
49155	.006	.11
49156	.004	.10
49157	.014	.39
49158	.002	.04
49159	.008	.37

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: CML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32059
Date December 22, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
"Assay Analysis"		
88-DDH-42		
49140	.002	Trace
49141	.004	.04
49142	.008	.07
49143	.004	.22
49144	.006	.07
49145	.144	.10
49146	.002	Trace
49147	.002	Trace
49148	.002	.02
49149	.002	Trace
49150	.004	.08
49160	.004	Trace
49161	.002	.02
49162	.002	.02
49163	.002	Trace
49164	.002	.02
49165	.002	.03

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: CML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32059
Date December 22, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
88-DDH-43		
49166	.002	.04
49167	.004	Trace
49168	.004	Trace
49169	.002	.02
49170	.001	Trace
49171	.003	.02
49172	.002	Trace
49173	.002	.34
49174	.004	.39
49175	.002	.30
49176	.002	.25
49177	.004	Trace
49178	.004	Trace
49179	.010	Trace
49180	.002	.02
49181	.002	.04
49182	.002	Trace
49183	.002	.06
49184	.030	.30
49185	.004	Trace

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: CML MINERALS CONSULTING LTD.,
Sui[redacted] A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32059
Date December 22, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
88-DDH-43 Cont'd		
49186	.004	Trace
49187	.314	Trace
49188	.004	Trace
49189	.002	Trace
49190	.004	Trace
49191	.002	.02
49192	.040	Trace
49193	.078	.20
49194	.018	Trace
49195	.024	Trace
49196	.006	.04
49197	.004	Trace
49198	.004	Trace
49199	.006	Trace
49200	.058	.02
49201	.006	.03
49202	.192	.02
49203	.010	.03
49204	1.541	1.19
49205	.012	.12

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
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Assayer

To: CML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32059
Date December 22, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
88-DDH-43 Cont'd		
49206	.004	Trace
49207	.002	.02
49208	.002	.02
49209	.006	.17
49210	.004	.22
49211	.002	Trace
49212	.004	.04
49213	.002	Trace
49214	.002	Trace
49215	.002	.02
49216	.004	Trace
49217	.016	.26
49218	.002	.02
49219	.002	.04
49220	.004	Trace
49221	.004	Trace
49222	.004	Trace
49223	.004	Trace
49224	.026	Trace
49225	.012	.08

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: CML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32059
Date December 22, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
88-DDH-43 Cont'd		
49226	.004	Trace
49227	.004	Trace
49228	.002	Trace
49229	.002	Trace
49230	.010	.05
49231	.004	.02
49232	.002	Trace
49233	.002	Trace
49234	.002	.02
49235	.004	.02
49236	.004	.05

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
612 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32060
Date December 22, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
"Assay Analysis"		
88-DDH-44		
49237	.002	Trace
49238	.002	Trace
49239	.002	.02
49240	.004	.04
49241	.006	Trace
49242	.006	.03
49243	.004	.04
49244	.002	Trace
49245	.004	Trace
49246	.218	.06
49247	.004	.02
49248	.004	.04
49249	.014	.02
49250	.014	Trace
49251	.002	Trace
49252	.028	Trace
49253	.002	Trace
49254	.002	.24
49255	.002	Trace
49256	.004	.24

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.

Assayer

To: CML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32060
Date December 22, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
88-DDH-44 Cont'd		
49257	.024	.12
49258	.004	Trace
49259	.002	.12
49260	.002	Trace
49261	.004	Trace
49262	.002	.30
49263	.002	Trace
49264	.004	.26
49265	.004	.02
49266	.002	Trace
49267	.010	Trace
49268	.120	Trace
49269	.090	Trace
49270	.004	Trace
49271	.004	.01
49272	.002	Trace
49273	.040	Trace
49274	.006	Trace
49275	.170	.09
49276	.018	.12

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: CML MINERALS CONSULTING LTD.,
Suite A17, Block A,
612 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32060
Date December 22, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
88-DDH-44 Cont'd		
49277	.563	.44
49278	.012	Trace
49279	.084	Trace
49280	.014	Trace
49281	.002	.24
49282	.002	.04
49283	.004	Trace
49284	.002	Trace
49285	.004	.50
49286	.006	Trace
49287	.004	Trace
49288	.004	.02

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6115 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32083
Date December 28, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO. "Assay Analysis"	OZ./TON GOLD	OZ./TON SILVER
49289	.040	.12
49290	.016	.03
49291	.002	Trace
49292	.002	.02
49293	.002	.02
49294	.004	.56
49295	.002	.04
49296	.002	Trace
49297	.002	Trace
49298	.002	Trace
49299	.044	.46
49300	.004	.30
49301	.102	Trace
49302	.002	.04
49303	.002	Trace
49304	.002	.02
49305	.122	Trace
49306	.004	.04
49307	.002	.14
49308	.002	.04
49309	.886	.28

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: CML MINERALS CONSULTING LTD.,
Suite A17, Block A,
61[redacted] - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32083
Date December 28, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
49310	.227	.27
49311	.040	.02
49312	.044	.34
49313	.004	.34
49314	.076	.14
49315	.056	.01
49316	.050	Trace
49317	.008	.01
49318	.004	Trace
49319	.010	.29
49320	.020	.22
49321	.002	.02
49322	.399	.08
49323	.004	.30
49324	.064	.30
49325	.006	Trace
49326	.002	.14
49327	.008	Trace
49328	.008	.03
49329	.577	.42
49330	.028	Trace
49331	.024	Trace

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: CML MINERALS CONSULTING LTD.,
Suite A17, Block A,
61[redacted] - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32083
Date December 28, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
49332	.018	Trace
49333	.110	.47
49334	.100	.38
49335	.318	.13
49336	.330	.42
49337	.020	Trace
49338	.168	.11
49339	.524	.11
49340	.004	.04
49341	.012	.39
49342	.014	.29
49343	.002	.04
49344	.217	.10
49345	.064	Trace
49346	.006	Trace
49347	.004	.02
49348	.006	Trace
49349	.004	Trace
49350	.034	.36
49351	.014	Trace
49352	.042	Trace
49353	.072	Trace

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.

Assayer

To: CML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32083
Date December 28, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
49354	.042	.14
49355	.098	.18
49356	.022	Trace
49357	.026	.33
49358	.008	Trace
49359	.012	.01
49360	.164	.38
49361	.018	.88
49362	.014	.01
49363	.020	.10
49364	.016	.04
49365	.008	.01
49366	.008	Trace
49367	.010	.03
49368	.004	Trace
49369	.006	.03
49370	.008	Trace
49371	.004	Trace
49372	.002	Trace
49373	.004	Trace
49374	.006	Trace
49375	.008	.19

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
61[redacted] - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32083
Date December 28, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
49376	.006	.03
49377	.002	Trace
49378	.004	.20
49379	.008	.01
49380	.004	Trace
49381	.008	Trace
49382	.006	Trace
49383	.006	.27
49384	.010	.27
49385	.008	.23
49386	.010	.17
49387	.004	Trace
49388	.002	Trace
49389	.004	Trace
49390	.004	Trace

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32090
Date December 30, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO. "Assay Analysis"	OZ./TON GOLD	OZ./TON SILVER
49391	.008	Trace
49392	.002	Trace
49393	Trace	Trace
49394	.002	.04
49395	.002	.14
49396	Trace	Trace
49397	.002	Trace
49398	Trace	Trace
49399	.002	.02
49400	.002	.06
49401	.006	Trace
49402	.002	Trace
49403	.002	Trace
49404	Trace	.02
49405	.002	Trace
49406	.002	Trace
49407	.002	Trace
49408	.002	.02
49409	.002	Trace
49410	.002	Trace
49411	.002	Trace

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
612[redacted] 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32090
Date December 30, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
49412	.002	Trace
49413	.046	Trace
49414	.476	.16
49415	2.142	.36
49416	.486	.35
49417	.060	.36
49418	.056	.22
49419	.004	Trace
49420	.040	.20
49421	.724	.08
49422	.128	Trace
49423	.006	.03
49424	.214	.14
49425	.010	Trace
49426	.018	Trace
49427	.278	.14
49428	.076	.02
49429	.006	Trace
49430	.004	Trace
49431	.018	.18
49432	.002	Trace
49433	.004	.08

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

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Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32090
Date December 30, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
49434	.006	Trace
49435	.002	Trace
49436	.008	.09
49437	.004	Trace
49438	.012	.03
49439	.002	.48
49440	.018	Trace
49441	.004	.04
49442	.002	Trace
49443	.004	Trace
49444	.012	Trace
49445	.004	Trace
49446	.010	Trace
49447	.004	.20
49448	.008	Trace
49449	.008	Trace
49450	.020	Trace
49451	.004	.08
49452	.002	Trace
49453	.002	.02
49454	.002	Trace
49455	.002	Trace

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32090
Date December 30, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
49456	.002	Trace
49457	.002	.02
49458	.004	.02
49459	.002	Trace
49460	.006	Trace
49461	.026	.24
49462	.002	.04
49463	.002	Trace
49464	.022	.08
49465	.010	.15
49466	.002	Trace

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
612 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32095
Date December 30, 1988
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	OZ./TON GOLD	OZ./TON SILVER
"Assay Analysis"		
49467	.002	Trace
49468	.002	.10
49469	.016	.06
49470	.006	Trace
49471	.004	.10
49472	.002	.02
49473	.002	Trace
49474	.004	Trace
49475	.008	.01

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month unless specific arrangements are made in advance.

Assayer

To: ML MINERALS CONSULTING LTD.,
Suite A17, Block A,
6120 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32059-1
Date January 16, 1989
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	% As
"Core Samples"	
"Assay Analysis"	
49200	.05
49201	.01
49202	.10
49203	.28
49204	.05

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.

Assayer

To: GML MINERALS CONSULTING LTD.,
Suite A17, Block A,
612 - 2nd Street S.E.,
Calgary, Alberta T2H 2L8

ATTN: George M. Leary

File No. 32090-1
Date February 16, 1989
Samples Core
PURDEX PROJECT

Certificate of Assay
LORING LABORATORIES LTD.

SAMPLE NO.	% As
"Assay Analysis"	
49428	.01
49429	.01
49431	1.01

I Hereby Certify that the above results are those assays made by me upon the herein described samples....

Rejects retained one month.
Pulps retained one month
unless specific arrangements
are made in advance.

Assayer

APPENDIX III

DIAMOND DRILL HOLE REPORTS AND LOGS

(88 DDH 38 to 49 inclusive)

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH-38

Date Hole Started 88-11-09

Date Hole Completed 88-11-10

Depth of Hole (ft)

Planned _____

Drilled During Report Period _____

Drilled to Date _____

Total Depth of Hole 160'

Survey Data

Collar Latitude (ft) _____

Collar Departure (ft) _____

Collar Elevation (ft) _____

Collar Inclination 41.5 Degrees

Acid Dip Tests

Inclination @ 80 ft : 39 Degrees @ 212°az

Inclination @ 160 ft : 36 Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

ROCK TYPES:

Interval (ft)	Rock Type
0 - 9.0	Overburden
9.0 - 16.0	Quartz-Feldspar Porphyry
16.0 - 40.8	Mafic Volcanics
40.8 - 46.1	Blue Quartz Vein (B Zone North)
46.1 - 72.5	Mafic Volcanics
72.5 - 75.9	Blue Quartz Vein (B Zone South)
75.9 - 84.9	Mafic Volcanics
84.9 - 101.1	Blue Quartz Vein (B Zone South)
101.1 - 156.5	Mafic Volcanics
156.5 - 160.0	Quartz-Feldspar Porphyry

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description
40.8 - 46.1	Quartz Vein: 2-4% py>>po; VG @ 42.6' (B Zone North)
60.4 - 61.2	Quartz Vein
72.5 - 75.9	Quartz Vein: 2-4% py>po (silicified above vein) (B South)
84.9 - 101.1	Quartz Vein (with tourmaline) V.G. @ 97.0-100.0 (B Zone South)
101.1 - 104.0	Silicification

113.2-113.7, 116.5-117.1, 119.1-119.5, 123.5-123.8 Thin Quartz Veins.

COMMENTS: 88-DDH-38 intersects B Zone North & B Zone South.
(40.8 - 61.2 North) (71.5 - 123.4 South)

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-38.

Note: supplemental drill hole report at back.

DIP TEST		
	Angle	
Footage	Reading	Corrected
Collar	41.5°	41.5
80'	40.5°	39°
160'	40.0°	36°

Hole No. 38 Sheet No. 1 of 10.
Section
Date Begun Nov. 9th / 88.
Date Finished Nov. 10th / 88.
Date Logged Nov. 11th / 88.

Lat.
Dep.
Bearing 212° TRUE
Elev. Collar

Total Depth 160'
Logged By Don Foley
Claim
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	9.0		Overburden: no recovery.				
9.0	16.0		Quartz-feldspar porphyry:				
			Sulphides: tr py, 11.5-15.3.				
			S_1 = 52° at 13'.				
16.0	329		Mafic Volcanics: w/ frequent partings of chlorite-mica schist.				
			quartz stringers: (infrequent) 18.3-18.8, 22.5-23.2. (moderate) 29.9-31.8.				
			quartz veins: 22.3-22.6, 23.5-24.1.				
			carbonatization: (weak) 29.9-31.8				
			Sulphides: tr py≈po, 16.0-17.0				

NEVILLE CROSBY INC

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-38.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 38 Sheet No. 2 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			tr py, 18.5-19.7.						
			tr-1% po>py (in quartz vein)	49026	22.3	24.1	1.8	.018	.06
			S_1 = 65° at 18.5, 64° at 28', 62° at 31'.						
32.9	40.8		Mafic Volcanics: w/ fine to medium-grained garnets at 39.6-40.1' ~5%.						
			quartz stringers: (moderate) 32.9-35.9, 37.4-40.8. (w/ some carbonate material)						
			quartz vein: 35.9-37.4.						
			carbonatization: (weak-patchy) 32.9-35.9, 37.4-40.8.						
			sulphides: tr py≈po (in qtz. vein)	49027	35.9	38.3	2.4	.034	.31
				49151	38.3	40.8	2.5	.006	.43

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-38.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 38 Sheet No. 3 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			disruption: (slight) 34.5-36.2, 39.8-40.4.								
			S_1 = 69° at 40'.								
40.8	46.1		Blue quartz vein - B zone - south; w/ short interval of chlorite schist from 44.2-45.5'. This vein makes sharp contacts w/ its hanging wall and footwall. S_1 = 75° at hanging wall contact; S_1 = 72° at footwall contact. - 5-15% selvaging in vein, mainly chlorite, ankerite, tourmaline and biotite. - overall sulphide content 1-2%. py >> po.								
			Sulphide diversity:								
			1-3% py, tr-1% po, tr cpy;	49028	40.8	43.7	2.9	.356	1.08		

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-38.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 38 Sheet No. 4 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			- py very fine-grained to coarse-grained, disseminated mainly within selvages of tourmaline						
			- po fine-grained to medium-grained disseminated in selvages as well						
			- visable gold - 2 specks at ~42.6' in quartz-carbonate veinlet or stringer cutting vein.						
			- tr py > po, fine-grained and disseminated.	49029	43.7	45.5	1.8	.030	.45
			÷ 1% po, 0.5-1% py, tr cpy; all sulphides fine to medium-grained and disseminated; cpy in association w/ po.	49030	45.5	46.1	0.6	.022	.10
				49152	46.1	48.1	2.0	.014	Tr
46.1	72.5		Mafic Volcanics:						
			quartz stringers: (infrequent) 48.7-49.3, 59.5-60.4.						

NEVILLE CROSBY INC

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-38.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 38 Sheet No. 5 of 10. Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			quartz veins: 60.4-61.2, 69.8-70.3						
			carbonatization: (weak-patchy) 46.1-49.8, 54.9-59.5.						
			silicification: (moderate) 71.5-72.5.						
				49153	57.5	59.5	2.0	.004	.06
			sulphides: tr-1% py (in qtz veins)	49031	59.5	61.3	1.8	.182	.40
			tr py (in qtz veins)	49032	69.9	70.8	0.9	.008	.07
			2-3% py, tr-1% po, tr cpy	49033	71.5	72.5	1.0	.014	Tr.
			disruption: (slight) 71.5-72.5.						
			S_1 = 70° at 56.5', 67° at 66'.						
72.5	75.9		Blue quartz vein - B zone - north; sharp contacts between vein and hangingwall and footwall; no selvaging.						
			Sulphide diversity:						

NEVILLE CROSBY INC

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-38.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 38 Sheet No. 6 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			1-2% py, tr-1% po; py fine-medium-grained, disseminated and in fracture fillings, concentrated at hanging wall contact; po fine-medium-grained and disseminated near footwall contact.	49034	72.5	75.9	3.4	.428	1.37		
75.9	84.9		Mafic Volcanics:								
			sulphides: tr py ≈ po.	49035	75.9	78.9	3.0	.012	.02		
			disruption: (slight) 83.0-84.9.								
			S_1 = 67° at 82'.								
84.9	101.1		Blue quartz vein - Bzone - South: sharp hanging wall and footwall contacts; 5-10% selvaging, mainly tourmaline and chlorite, sometimes // to S_1,								

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-38.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 38. Sheet No. 7 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			mineralization occurs primarily within selvages; 1-2% py+po overall.						
			Sulphide diversity:	49157	82.9	84.9	2.0	.014	.39
			- 0.5-1% po, tr py.	49036	84.9	87.6	2.7	.042	.44
			- 0.5-1% py > po, tr cpy.	49037	87.6	90.6	3.0	.330	.29
			- 1% py ≈ po	49038	90.6	93.6	3.0	.092	.23
			- 0.5-1% po > py; visable gold-2specks	49039	93.6	97.0	3.4	1.266	1.29
			- 0.5-1% py, 0.5% po, visable gold 6 or 7 specks.	49040	97.0	100.0	3.0	1.122	.32
			- 1-2% py, 0.5% po, tr cpy	49041	100.0	101.1	1.1	.502	.22
101.1	138.2		Mafic Volcanics.						
			quartz stringers: (infrequent) 120.5-122.3, 135.5-136.5.						
			quartz veins: 113.2-113.7, 116.5-117.1, 119.1-119.5, 123.5-123.8.						

NEVILLE CROSBY INC

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-ODH-38.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 38. Sheet No. 8 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			carbonatization: (weak-patchy)								
			113.5 - 127.0.								
			silicification: (weak-patchy)								
			101.1 - 104.0								
			sulphides: tr-1% po, tr py.	49042	101.1	104.0	2.9	.180	.34		
			1-2% po, 0.5-1% py.	49043	106.5	108.0	1.5	.016	.08		
			tr-1% po ≈ cpy	49044	110.3	112.9	2.6	.020	.08		
			1-2% py (in qtz. vein)	49045	113.5	114.5	1.0	.064	Tr.	→ Note: 114.5-116.3	
			tr-1% py (in qtz. vn)	49046	116.3	117.3	1.0	.292	.45	has been split.	
			tr py ≈ po (in qtz. vein)	49047	118.2	119.5	1.3	.082	Tr	but no sample #	
			tr po ≈ py	49048	122.1	123.4	1.3	.068	Tr		
			tr-1% py	49049	125.0	126.5	1.5	.012	.05		
			tr po ≈ py	49050	134.8	136.0	1.2	.010	.11		
			tr py	49051	136.0	138.3	2.3	.008	.55		
			disruption: (slight) 117.4 - 122.3,								
			125.1 - 127.0.								
			S_1 = 72° at 104', 63° at 116', 72° at 128'								

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-38.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 38 Sheet No. 9 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
138.2	156.5		Mafic Volcanics: w/ minor partings of chlorite-mica schist.				
			Sulphides: tr py ≈ po, 148.0-148.6				
			disruption: (moderate) 156.0-156.5				
			S_1 = 63° at 148'.				
156.5	160.0		Quartz-feldspar porphyry: w/ minor partings of chlorite and biotite				
		END.					
			Lost Recovery:				
			9.0-11.3 ; Blocky core.				
			14.4-15.0 ; Irregular fracture, parts missing.				
			17.5 ; Spun core.				
			18.7-19.3 ; Irregular fracture, parts missing.				

NEVILLE CROSBY INC

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-00H-38.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 38 Sheet No. 10 of 11 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			28.8 ; Spun core.				
			30.0-30.6 ; Irregular fracture.				
			36.0-37.0 ; Broken core.				
			56.9 ; Spun core.				
			57.4-58.2 ; Spun core.				
			60.5-61.1 ; Broken core.				
			61.6-62.0 ; Ground core ; last.				
			72.5-74.1 ; Blocky, irregular fracture parts missing.				
			85.6-86.7 ; Blocky core.				
			88.5-97.4 ; Blocky, broken core, parts missing.				
			99.9-100.9 ; Blocky core				
			122.4-127.0 ; Blocky core.				
			131.1-132.3 ; Blocky, ground core.				
			138.4-141.6 ; Irregular fracture, blocky, ground core, parts missing.				
			150.2-151.7 ; Blocky core.				
			153.1-156.4 ; Blocky, broke core.				

DIAMOND DRILL RECORD

PROPERTY PURDEX PROJECT. HOLE No. 88-DDH-38.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 38 Sheet No. 11 of 11 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			RECOVERY:				
			0-17 = 7.8'				
			17-27 = 10.0				
			27-37 = 10.1				
			37-47 = 10.0				
			47-57 = 9.8				
			57-67 = 9.7				
			67-77 = 9.8				
			77-87 = 10.2				
			87-97 = 9.7				
			97-107 = 10.1				
			107-117 = 9.8				
			117-127 = 10.0				
			127-137 = 9.9				
			137-147 = 10.5				
			147-157 = 10.0				
			157-160 = 3.1				
			END.				

NEVILLE CROSBY INC.

SUPPLEMENTAL DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH 38

Interval (ft)	Sample Number	Sample Length(ft)	Ounces Gold/ton	Ag	Comments
61.0 - 62.5'	49154	1.5'	.003	.02	
68.0 - 69.5	49155'	1.5'	.006	.11	
70.8 - 71.5'	49156	0.7	.004	.10	
117.3 - 118.2	49158	0.9	.002	.04	
119.5' - 122.1	49159	2.6	.008	.37	
104.0 - 106.5'	49467	2.5'	.002	Tr	
112.9 - 113.5'	49468	0.6	.002	.10	
123.4 - 125.0	49469	1.6	.016	.06	

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH - 39

Date Hole Started 88-11-11

Date Hole Completed 88-11-14

Depth of Hole (ft)

Planned _____

Drilled During Report Period _____

Drilled to Date _____

Total Depth of Hole 377'

Survey Data

Collar Latitude (ft) _____

Collar Departure (ft) _____

Collar Elevation (ft) _____

Collar Inclination 65.5 Degrees @ 212°Az

Acid Dip Tests

Inclination @ 200 ft : 63 Degrees

Inclination @ 377 ft : 63 Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

ROCK TYPES:

Interval (ft)	Rock Type
0 - 11.0	Overburden
11.0 - 117.9	Quartz - Feldspar Porphyry
117.9 - 150.8	Mafic Volcanics
150.8 - 168.2	Grey Quartz Vein : (B Zone North)
168.2 - 173.4	Mafic Volcanics
173.4 - 177.5	Blue Quartz Vein (B Zone North)
177.5 - 368.0	Mafic Volcanics
368.0 - 377.0	Quartz - Feldspar Porphyry

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description
150.8 - 168.2	Quartz Vein : 1-2% py-po(cp) (B Zone North)
173.4 - 177.5	Quartz Vein : 1-2% py > po(cp) (B Zone North)
214.4 - 216.0	Quartz Vein : 1% py-po (B Zone North)
315.1 - 322.7	Quartz Stringers, minor silicification, ~~Hc~~ carbonatization. (B Zone South?)

COMMENTS: _____

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-39

DIP TEST		
	Angle	
Footage	Reading	Corrected
Collar	65.5°	65.5
200'	64.5°	63
377'	63.0°	63

Hole No. 39 Sheet No. 1 of 13. Lat.
Section Dep.
Date Begun Nov. 11th/88. Bearing 212° TRUE
Date Finished Nov. 14th/88. Elev. Collar
Date Logged Nov. 15th/88.

Total Depth 377'
Logged By Don Foley.
Claim
Core Size B.Q.

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	11.0		Overburden: no recovery.				
11.0	117.9		Quartz-feldspar porphyry: w/ minor pavings of chlorite-mica schist near lower contact; some phenocrysts of feldspar up to 1" in diameter; short interval of argillite? ~34.5-36.0'.				
			Silicification: (weak) 47.0-50.2, 86.0-87.5, 98.0-112.0 (patchy) (moderate) 72.5-77.7, 112.3-113.3 (heavy) 36.0-37.5, 38.8-39.2.				
			Sulphides: tr py, 87.1-88.2. tr py, 116.0-117.9.				
			Disruption: (slight) 117.5-118.3.				
			S_1 = 48° at 111'.				

NEVILLE CROSBY INC

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-39.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 2 of 13. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
117.9	127.7		Mafic Volcanics: w/ short interval of 5-10% fine, red garnets from 118.5-122.0'.								
			quartz stringers: (infrequent) 117.9-120.3, 122.4-124.6.								
			quartz vein: 126.1-127.7.								
			carbonatization: (weak-patchy) 117.9-127.7.								
			sulphides: 1% po, 0.5% py, tr cpy (in qtz vein)	490532	126.1	127.7	1.6	.010	.07		
			disruption: (slight) 124.7-126.1.								
			S_1 = 53° at 122'.								
127.7	150.8		Mafic Volcanics:								

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-39.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 3 of 13. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			quartz stringers: (infrequent)						
			151.3 - 153.3.						
			sulphides: 0.5-1% py ≥ po.	49053	127.7	130.2	2.5	.024	.38
			0.5% py > po.	49054	142.5	144.0	1.5	.016	.03
			S_1 = 63° at 148.2'.						
150.8	168.2		Grey quartz vein - B zone - north:						
			fairly homogeneous w/ 5-10%						
			selvaging, consisting of						
			chlorite and tourmaline,						
			mainly near hangingwall						
			contact; 0.5-1% sulphides						
			overall.						
			sulphide diversity:						
			- 0.5-1% po > py, tr < py.	49055	150.8	154.1	3.3	.006	.35
			- tr py.	49056	154.1	157.4	3.3	.022	.40
			- 0.5% py ≥ po.	49057	157.4	158.4	1.0	.006	.09
			- no sulphides.	49058	158.4	161.4	3.0	.022	.08

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-39.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 4 of 13. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			- no sulphides.	49059	161.4	164.5	3.1	.008	.03		
			- 1% py, tr po.	49060	164.5	167.5	3.0	.006	.03		
			- 0.5 - 1% py, 0.5% po ≈ cpy.	49061	167.5	168.2	0.7	.005	.01		
168.2	173.4		Mafic Volcanics:								
			quartz stringers: (infrequent) 172.0 - 173.4.								
			sulphides: 0.5% po >> py	49062	171.9	173.4	1.5	.016	Tr		
			S_1 = 63° at 169', 52° at 173.3'.								
173.4	177.5		Blue quartz vein - Bzene-north: ~5% selvaging, mostly favourable overall sulphide content 0.5-1%.								
			sulphide diversity:								
			- 0.5% py > po, tr cpy.	49063	173.4	175.4	2.0	.044	.36		
			- 1% py > po, 0.5% cpy.	49064	175.4	177.5	2.1	.018	.06		

DIAMOND DRILL RECORD

PROPERTY Purnex Project. HOLE No. 88-DDH-39.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 5 of 13. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
177.5	209.8		Mafic Volcanics/ minor partings of mica schist; fine, red garnets at 204.2', ~5-10%.								
			quartz stringers: (infrequent) 184.2 - 188.5, 200.1 - 205.4.								
			quartz vein: 186.0 - 187.8 (blue)								
			carbonatization: (weak - patchy) 181.5 - 183.0, 185.4 - 189.1, 200.0 - 205.2.								
			chloritization: (weak - patchy) 199.8 - 204.0.								
			sulphides: 0.5-3% po, 0.5 - 1% py ^cpy (in qtz. vein). - tr po³ py, 195.0 - 196.1	49065	185.4	188.0	2.6	.024	.06		
			disruption: (slight) 187.0 - 188.2,								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purkiex Project HOLE No. 88-DDH-39

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 6 of 13.
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			201.5 - 204.0				
			(moderate) 199.0 - 200.4.				
			S_1 = 66° at 189'.				
209.8	274.5		Mafic Volcanics: w/ blue quartz vein (B zone-north), vein has no selvaging or alteration (214.4-216.0).				
			quartz stringers: (infrequent) 210.5 - 214.4, 228.5 - 229.5, 238.5 - 239.0. (moderate) 219.1 - 220.0, 222.0 - 223.6, 226.0 - 227.0, 233.0 - 235.0.				
			quartz veins 214.4 - 216.0, (blue quartz vein - B zone-north)				
			carbonatization: (weak-patchy) 210.5 - 214.4, 254.0 - 274.5.				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-ODH-39.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 7 of 13.
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			chloritization: (weak-patchy) 210.5-214.4, 235.8-238.5, 255.5-257.5, 266.0-274.5, (moderate) 239.0-241.0. (heavy) 226.0-229.0, 245.0-249.0, 251.5-254.5.						
			sulphides: tr py, 214.0-214.4 - 0.5% po ≥ py - tr py ≥ po. - tr py, 256.0-257.2.	49066	214.4	216.0	1.6	.054	Tr
				49067	222.0	223.6	1.6	.010	.41
			disruption: (slight) 234.0-236.8, 239.0-245.8, 246.0-255.5. (moderate) 210.5-213.5, 222.0-223.6 (drag-folding), 272.0-274.5.						
			S_1 = 63° at 211', 49° at 232', 53° at 246', 38° at 263', 49° at 272'.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-39.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 8 of 13.
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
274.5	322.7		Mafic Volcanics: w/ short intervals of chlorite-mica schist injected w/ blue quartz stringers, (274.5-286.0, 315.1-322.7).						
			quartz stringers: (moderate) 274.5-275.5, 290.0-293.2, 304.5-305.8, 284.1-285.4, 316.0-322.7.						
			carbonatization: (weak-patchy) 315.1-322.7.						
			silicification: (weak) 320.6-322.0.						
			sulphides: 0.5-2% po, 0.5-1% py, tr cpy.	49068	274.5	277.0	2.5	.024	.50
			- 0.5% po > py.	49069	277.0	279.5	2.5	.010	.01
			- 0.5% po > py, tr cpy.	49070	279.5	282.0	2.5	.014	Tr
			- 2-4% po, 0.5-1% py, tr cpy.	49071	282.0	284.0	2.0	.028	.21

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-39.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 9 of 13. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			- 0.5-1% po, 0.5% py.	49072	284.0	286.0	2.0	.012	TR		
			- 3-5% cpy ≈ po, 1% py	49073	315.1	317.8	2.7	.010	.15		
			- 3-7% po, 2-5% py, 1% cpy.	49074	317.8	320.8	3.0	.008	.07		
			- 3-6% po, 2-5% py, 1% cpy.	49075	320.8	322.7	1.9	.006	.49		
			disruption: (moderate) 315.5-318.5, 322.0-324.0.								
			S1: 20° at 271', 24° at 279', 40° at 282', 24° at 290', 56° at 302', 5-10° at 315.5-318.5, 10-15° at 322-324'.								
322.7	337.3		Mafic Volcanics.								
			quartz stringers: (infrequent) 326.5-330.0, 335.4-337.3.								
			carbonatization: (weak-patchy) 326.5-330.0, 335.4-337.3.								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-39.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 10 of 13.
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			disruption: (slight) 336.5-337.3 (moderate) 331.0 - 332.2.				
			S_1 = 44° at 331', 43° at 335', 58° at 337'.				
337.3	360.0		Mafic Volcanics w/ minor partings of biotite.				
			quartz stringers: (infrequent) 347.0 - 348.5, 357.0 - 360.0.				
			carbonatization: (weak-patchy) 347.0 - 348.5, 357.0 - 360.0.				
			S_1 = 54° at 349'.				
360.0	368.0		Mafic Volcanics: w/ minor partings of quartz-feldspar porphyry; mineralized zone at 363 - 368.0'.				
			quartz stringers: (infrequent)				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-39.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 11 of 13.
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			361.5 - 364.0.						
			quartz vein: 365.3 - 365.7 (blue)						
			carbonatization: (weak-patchy) 362.5 - 365.5.						
			silicification: (moderate) 365.0 - 367.5.						
			sulphides: 0.5% po+py, tr cpy.	49076	360.0	362.9	2.9	.004	.08
			- 0.5% po ≥ py, tr cpy.	49077	362.9	365.3	2.4	.003	.02
			- 4-6% po, 2-5% py, 0.5-1% cpy.	49078	365.3	368.0	2.7	.006	.05
			disruption: (heavy) 362.0 - 367.5, (folding).						
			S_1 = 54° at 360', 28° at 363', 0-20° at 364-365.5', 39° at 368'.						

DIAMOND DRILL RECORD

PROPERTY Pyrrhex Project. HOLE No. 88-DDH-39.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 12 of 13. Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
368.0	377.0		Quartz-feldspar porphyry: w/ a few minor partings of chlorite-mica schist near contact								
			Sulphides: tr py,	49079	368.0	369.5	1.5	.004	.01		
			S_1 = 45° at 370'.								
		END.									
			LOST RECOVERY!								
			11.5 - 13.7' : Blocky core.								
			16.0 - 18.1 : Blocky core, spun core.								
			24.1 - 26.3 : Irregular fracture, blocky core.								
			32.1 - 33.6 : Ground core, irregular fracture, parts missing.								
			37.5 - 38.9 : Irregular fracture, parts missing.								
			49.5 - 50.2 : Broken core.								
			117.9 - 123.5 : Blocky core.								

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 85-DDH-39.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 39 Sheet No. 13 of 13 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE				
			145.5-146.5: Blocky core.								
			152.2-165.0: Blocky core.								
			173.5-177.0: Blocky core.								
			214.2-215.5: Blocky core.								
			242.1-242.5: Spun core.								
			295.3-297.7: Irregular fractures, pcs missing.								
			Recovery:								
			0-17 = 6.1' 117-127 = 10.0	227 -	237	=	10.0'	337	- 347	= 10.2	
			17-27 = 10.0 127-137 = 10.0	237 -	247	=	9.8	347	- 357	= 9.9	
			27-37 = 9.9 137-147 = 9.8	247 -	257	=	10.0	357	- 367	= 10.8	
			37-47 = 10.1 147-157 = 9.9	257 -	267	=	10.0	367	- 377	= 9.8	
			47-57 = 10.0 157-167 = 9.8	267 -	277	=	10.1				
			57-67 = 9.7 167-177 = 9.5	277 -	287	=	10.0				END.
			67-77 = 10.0 177-187 = 10.0	287 -	297	=	10.0				
			77-87 = 10.0 187-197 = 10.4	297 -	307	=	10.1				
			87-97 = 10.5 197-207 = 10.0	307 -	317	=	10.0				
			97-107 = 9.8 207-217 = 10.1	317 -	327	=	10.1				
			107-117 = 10.1 217-227 = 10.3	327 -	337	=	10.3				

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH - 90

Date Hole Started 88-11-15

Date Hole Completed 88-11-21

Depth of Hole (ft)

Planned _____

Drilled During Report Period _____

Drilled to Date _____

Total Depth of Hole 907'

Survey Data

Collar Latitude (ft) _____

Collar Departure (ft) _____

Collar Elevation (ft) _____

Collar Inclination -66 Degrees @ 212° az

Acid Dip Tests

Inclination @ 200 ft : 63 Degrees

Inclination @ 400 ft : 60 Degrees

Inclination @ 600 ft : 58.5 Degrees

Inclination @ 800 ft : 58 Degrees

Inclination @ 907 ft : 57.5 Degrees

ROCK TYPES:

Interval (ft)	Rock Type
0 - 4.5	Overburden
4.5 - 14.4	Metasediments
14.4 - 78.1	Quartz - feldspar Porphyry
78.1 - 162.5	Metasediments
162.5 - 170.1	Mafic Volcanics
170.1 - 272.1	Quartz - feldspar Porphyry
272.1 - 289.5	Metasediments
289.5 - 327.0	Mafic Volcanics
327.0 - 484.5	Quartz - feldspar Porphyry
484.5 - 512.7	Mafic Volcanics
512.7 - 618.3	Quartz - feldspar Porphyry
618.3 - 634.4	Mafic Volcanics
634.4 - 671.3	Quartz - feldspar Porphyry
671.3 - 787.5	Mafic Volcanics
787.5 - 845.4	Quartz - feldspar Porphyry
845.4 - 877.0	Mafic Volcanics
877.0 - 890.5	Quartz - feldspar Porphyry
890.5 - 897.1	Mafic Volcanics
897.1 - 907.0	Quartz - feldspar Porphyry

4948-498.8 → qtz vein

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description	
436.5 - 437.5	Quartz Vein	B Zone
476.5 - 484.5	Silicified Zone with Quartz Vein	North?
494.8 - 498.8	Quartz Vein	
515.5 - 517.2	Quartz Vein	
576.5 - 577.3	Quartz Vein	

COMMENTS: _____

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected
collar	66.0	-66
200	65.0	63
400	62.5	60
600	61.5	58.5
800	61.0	58
907	59.0	57.5

Hole No. 40 Sheet No. 1 of 16. Lat.
Section Dep.
Date Begun Nov. 15th/88. Bearing 212° TRUE
Date Finished Nov. 21st/88. Elev. Collar
Date Logged Nov. 22nd/88.

Total Depth 907'
Logged By Don Foley
Claim
Core Size B.Q.

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
0	4.5		Overburden: no recovery.						
4.5	14.4		Quartzose siltstone (metasediments):						
			silicification: (weak-patchy) 4.5-9.5. (moderate-patchy) 9.5-14.4.						
			sulphides: tr-0.5% py>po.	49080	8.5	11.5	3.0	.006	.25
			0.5-1% py, tr po≥cpy.	49081	11.5	14.4	2.9	.006	.06
			disruption: (slight-patchy) 9.5-14.4.						
			S_1 = 38° at 5', 36° at 14'.						
14.4	78.1		Quartz-feldspar porphyry: w/ minor interval of mafic volcanic-basalt, 56.5-57.8'. Darker porphyry from 14.4-36.5; weak foliation near lower contact, 74.0-77.0'.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40. Sheet No. 2 of 16.
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Some large phenocrysts of feldspar up to ¼" in diam.								
			quartz stringers: (infrequent) 76.5 - 77.1.								
			sulphides: tr py throughout porphyry. tr py.	49082	73.5	76.5	3.0	.004	Tr		
			S_1 = 30° at 74'. (metasediments)								
78.1	162.5		Quartzose siltstone: w/ interval of silicified or cherty zone from 102.0 - 112.0'; few intervals of basalt from 134.0 - 136.0 and 144.0 - 145.5.								
			quartz vein: 108.3 - 108.9								
			silicification: (weak) 88.5 - 91.5								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40 Sheet No. 3 of 16 Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			(moderate) 78.1 - 83.0, 91.5 - 102.0, 157.5 - 162.5.						
			K-feldspathization: (partial) 88.2 - 89.1, 102.0 - 109.5.						
			sulphides: tr - 0.5%. py > po.	49083	80.0	83.0	3.0	.008	.05
			tr py ≈ po (shear zone)	49084	105.3	108.0	2.7	.002	.08
			tr py > po (mafic. vein)	49085	108.0	111.0	3.0	.004	.02
			tr py,	49086	138.5	141.5	3.0	.005	.03
			tr - 1%. py ≈ po, tr cpy.	49087	144.0	146.2	2.2	.004	.10
			tr - 1%. py > po	49088	157.9	162.5	4.6	.006	.11
			disruption: (slight) 138.5 - 141.0, 148.5 - 151.5. (moderate) 78.1 - 103.2.						
			S_1 = 42° at 80', 34° at 90', 31° at 100', 27° at 110', 26° at 120', 27° at 130', 21° at 140', 22° at 150', 33° at 160'						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40 Sheet No. 4 of 16. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
162.5	170.1		Mafic Volcanics: weakly foliated.								
			quartz stringers: (infrequent) 167.0 - 169.3.								
			silicification: (moderate) 168.6 - 170.1.								
			sulphides: tr py > po.	49089	168.6	170.1	1.5	.002	.03		
			S_1 = 40° at 169'.								
170.1	272.1		Quartz-feldspar porphyry: w/interval of darker porphyry from 209.9 - 215.0; Fine to medium-grained 'replacement py'? disseminated throughout interval ~2-3%; replaces hornblende or feldspar. Some large zoned phenocrysts of feldspar up to 1/2" in diameter.								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40 Sheet No. 5 of 16. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			quartz stringers: (infrequent)						
			233.3 - 235.0, 243.1 - 244.0.						
			Silicification: (weak-patchy)						
			197.0 - 200.5, 208.0 - 209.0.						
			(moderate-patchy) 218.5 - 228.0.						
			sulphides: tr - 0.5% py,	49090	209.9	212.0	2.1	.002	.06
			0.5 - 2% py,	49091	212.0	215.0	3.0	.004	Tr
			tr py=po, 243.1 - 244.3						
			S_1 = 42° at 219'.						
272.1	289.5		(metasediments) Quartzose siltstone: very weak foliation.						
			sulphides: tr py>po,	49092	274.0	277.0	3.0	.004	.03
			tr py=po,	49093	277.0	280.0	3.0	.003	.28
			S_1 = 31° at 274'.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40. Sheet No. 6 of 11a. Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
289.5	323.0		Mafic Volcanics: weak to moderate foliation; contains large phenocrysts of feldspar mixed w/ carbonate and chlorite, up to ½" in diameter.				
			quartz stringers: Infrequent 305.5-312.0, 318.0-322.2.				
			S_1 = 43° at 312'.				
323.0	484.5		Quartz-feldspar porphyry: w/ some large, euhedral phenocrysts of feldspar, up to ½" in diameter. Large quartz eyes from 472.0-484.5.				
			quartz stringers: Infrequent 329.0-329.7, 364.1-366.2, 480.0-481.0.				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40. Sheet No. 1 of 11. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			quartz veins: 436.5-437.5, 476.5-477.0.								
			silicification: (weak) 405.5-407.5, 477.0-484.5.								
			K-feldspathization: (partial) 329.0-329.7, 334.0-335.0, 349.5-352.0.								
			sulphides: tr py,	49094	483.0	485.0	2.0	.004	.13		
			tr py,	49095	485.0	487.0	2.0	.005	.03		
			disruption: (slight) 483.0-487.0.								
			S_1 = 35° at 407', 40° at 427', 42° at 447', 39° at 467'.								
484.5	512.7		Mafic Volcanics w/ mineralized zone 492.6-494.6'.								
			quartz stringers: (infrequent)								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40 Sheet No. 8 of 16. Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			509.0 - 512.7.								
			(moderate) 485.0-487.5, 493.0-494.8.								
			quartz vein: 494.8-498.8.								
			silicification: (weak) 502.0-506.5.								
			carbonatization: (weak-patchy) 493.0-499.0.								
			sulphides: 0.5-2% po, <0.5% cpy	49096	492.6	494.6	2.0	.014	.36		
			(in qtz vn) 1-10% po, 0.5-2% py, 1% cpy	49097	494.6	497.6	3.0	.122	Tr		
			(in qtz vn) 1-4% po, 0.5-1% cpy, 0.5% py.	49098	497.6	499.6	2.0	.018	.04		
			disruption: (moderate) 494.0-500.0.								
			S_1 = 55° at 486', 30° at 492', 20-25° at 496', 45° at 500', 30° at 506'.								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 85-DDH-40

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40 Sheet No. 9 of 11 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
512.7	618.3		Quartz - feldspar porphyry: w/short interval of ultramafic porphyry → dyke? from 532.1 - 536.0'.								
			quartz veins: 515.5 - 517.2, 576.5 - 577.3.								
			silicification: (weak - patchy) 564.8 - 568.0, 598.0 - 618.3.								
			sulphides: tr py (in quartz vein)	49099	515.5	517.2	1.7	.032	Tr		
			tr py (in um. dyke)	49100	532.1	536.0	3.9	.002	Tr		
			S_1 = 45° at 602', 35° at 617'.								
618.3	634.4		Mafic Volcanics: : w/ mineralized zones 618.3 - 627.0, 632.4 - 634.4.								
			quartz stringers: (infrequent) 618.3 - 620.5, 621.0 - 625.0.								
			(moderate) 632.5 - 634.4.								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40 Sheet No. 10 of 16. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			Sulphides: 2-4% po, 0.5-1% py ± cpy.	49101	618.3	621.3	3.0	.012	Tr
			1-2% po, 0.5-1% py, tr cpy.	49102	621.3	624.3	3.0	.046	.10
			0.5-1% po, 0.5% py, tr cpy.	49103	624.3	627.0	2.7	.026	.35
			0.5-1% po, 0.5% py	49104	632.4	634.4	2.0	.002	.08
			disruption: (moderate) 618.3-620.5, 621.3-627.0.						
			S_1 = 50° at 630'.						
634.4	671.3		Quartz-feldspar porphyry: w/ interval of ultramafic porphyry fragm 640.5-646.0.						
			quartz stringers: (infrequent) 647.5-649.0.						
			silicification: (weak-patchy) 647.0-656.0.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40 Sheet No. 11 of 16. Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
671.3	787.5		Mafic Volcanics: very weak foliation.								
			quartz stringers: (infrequent) 684.2-685.3, 696.1-697.4, 739.5-741.0, 769.0-770.5.								
			Sulphides: tr-0.5% po, tr py.	49105	683.2	685.2	2.0	.006	.39		
			0.5-1% po, tr py.	49106	704.0	705.0	1.0	.008	.03		
			tr-0.5% po = py.	49107	783.8	785.3	2.5	.004	.04		
			tr-0.5% po = py	49108	785.3	787.8	2.5	.020	.14		
			disruption: (slight) 754.2-755.6.								
			S_1 = 44° at 684', 40° at 706', 40° at 736', 46° at 755', 46° at 772', 47° at 784'.								
787.5	845.4		Quartz-feldspar porphyry:								
			silicification: (weak) 804.5-805.3, 818.5-825.0 (patchy).								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40 Sheet No. 12 of 16. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			disruption: (slight) 832.0 - 839.0.								
			S_1 = 35° at 838'.								
845.4	877.0		Mafic Volcanics: moderately foliated contact w/ quartz-feldspar porphyry, 875.5-877.0'.								
			quartz stringers: (infrequent) 875.5-877.0'.								
			disruption: (slight) 875.5-877.0'								
			S_1 = 48° at 876'.								
877.0	890.5		Quartz-feldspar porphyry:								
			sulphides: 1-2% py.	49109	879.0	882.0	3.0	.006	Tr		
			1-2% py.	49110	882.0	885.0	3.0	.006	Tr		
			0.5-1% py.	49111	885.0	888.0	3.0	.004	.10		
			tr-0.5% py.	49112	888.0	890.0	2.0	.006	.23		

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40 Sheet No. 13 of 16 Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
896.5	897.1		Mafic Volcanics: weakly foliated from 896.0-897.1.								
			S_1 = 45° at 896'.								
897.1	907.0		Quartz - feldspar porphyry:								
			Sulphides: 0.5-2% py.	49113	898.1	900.1	2.0	.005	Tr		
		END.									
			LOST RECOVERY:								
			4.5-20.0': Blocky, ground core, parts missing.								
			40.6': Spun core.								
			78.1-78.5: Broken core.								
			80.9-81.3: Broken core.								
			86.2-87.0: Broken core, parts missing.								
			96.0-97.0: Blocky core.								
			102.1-102.9: Blocky, irregular fracture.								
			106.0-107.1: Blocky, parts missing.								

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40. Sheet No. 14 of 16. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			112.5 - 115.0 : Spun core.				
			143.0 - 144.5 : Blocky core.				
			147.5 - 149.0 : Blocky core.				
			152.0 - 158.0 : Blocky core.				
			169.0 - 170.0 : Blocky core.				
			327.5 - 328.5 : Irregular fracture.				
			332.0 - 333.5 : Spun core, irregular fracture				
			345.5 - 347.0 : Blocky core.				
			394.0 - 397.0 : Ground core, parts missing.				
			402.0 - 406.0 : Blocky core.				
			407.0 - 408.5 : Broken core, parts missing.				
			418.2 - 420.0 : Broken core.				
			464.8 - 465.3 : Ground core.				
			470.2 - 471.0 : Ground core.				
			476.0 - 476.5 : Broken core.				
			495.5 - 497.0 : Blocky, spun core.				
			545.0 - 546.2 : Irregular fracture.				
			685.0 - 687.6 : Blocky, spun core.				
			705.0 - 706.5 : Irregular fracture, parts missing.				
			709.0 - 709.5 : Spun core.				

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40 Sheet No. 15 of 16 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE				
			806.0 - 807.0 : Irregular fracture.								
			809.5 - 811.0 : Irregular fracture, parts missing.								
			817.5 - 818.8 : Irregular fracture, parts missing.								
			RECOVERY:								
			0 - 17 = 12.5'	137-147	=	10.2		267 -	277 =	9.9	
			17 - 27 = 10.1	147-157	=	10.4		277 -	287 =	9.8	
			27 - 37 = 10.2	157-167	=	10.2		287 -	297 =	10.2	
			37 - 47 = 10.1	167-177	=	9.9		297 -	307 =	9.9	
			47 - 57 = 9.6	177-187	=	10.1		307 -	317 =	10.3	
			57 - 67 = 10.4	187-197	=	10.1		317 -	327 =	9.9	
			67 - 77 = 9.9	197-207	=	9.1		327 -	337 =	9.9	
			77 - 87 = 10.0	207-217	=	10.0		337 -	347 =	10.0	
			87 - 97 = 10.2	217-227	=	10.2		347 -	357 =	10.0	
			97 - 107 = 9.6	227-237	=	10.0		357 -	367 =	10.1	
			107 - 117 = 10.0	237-247	=	10.3		367 -	377 =	10.0	
			117 - 127 = 9.7	247-257	=	10.0		377 -	387 =	10.0	
			127 - 137 = 10.0	257-267	=	9.9		387 -	397 =	9.2	

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-40.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 40. Sheet No. 16 of 16 Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION		SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			397-407: 9.9'	607-617: 10.0	817-827	=	10.1	
			407-417: 9.9	617-627: 10.2	827-837	=	10.2	
			417-427: 10.5	627-637: 10.0	837-847	=	10.2	
			427-437: 10.0	637-647: 10.3	847-857	=	10.2	
			437-447: 9.9	647-657: 9.9	857-867	=	10.0	
			447-457: 10.0	657-667: 10.0	867-877	=	9.9	
			457-467: 9.9	667-677: 10.2	877-887	=	10.1	
			467-477: 10.1	677-687: 10.0	887-897	=	10.1	
			477-487: 9.8	687-697: 10.3	897-907	=	10.1	
			487-497: 10.0	697-707: 10.0				
			497-507: 9.8	707-717: 10.0				END
			507-517: 10.1	717-727: 10.0				
			517-527: 9.9	727-737: 9.9				
			527-537: 10.0	737-747: 10.0				
			537-547: 10.7	747-757: 9.9				
			547-557: 10.1	757-767: 10.0				
			557-567: 10.0	767-777: 10.0				
			567-577: 10.0	777-787: 10.0				
			577-587: 10.0	787-797: 9.9				
			587-597: 10.0	797-807: 10.0				
			597-607: 9.9	807-817: 10.3				

NEVILLE CROSBY INC.

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH-41

Date Hole Started 88-11-21

Date Hole Completed 88-11-26

Depth of Hole (ft)

Planned _____

Drilled During Report Period _____

Drilled to Date _____

Total Depth of Hole 785'

Survey Data

Collar Latitude (ft) _____

Collar Departure (ft) _____

Collar Elevation (ft) _____

Collar Inclination 66 Degrees @ 212° az

Acid Dip Tests

Inclination @ 203 ft : 64 Degrees

Inclination @ 403 ft : 64 Degrees

Inclination @ 607 ft : 64 Degrees

Inclination @ 785 ft : 63 Degrees

Inclination @ _____ ft : _____ Degrees

ROCK TYPES:

Interval (ft)	Rock Type
0 - 4.0	Overburden
4.0 - 81.2	Quartz-Feldspar Porphyry
81.2 - 192.8	Metasediments
192.8 - 278.5	Quartz-Feldspar Porphyry
278.5 - 292.2	Metasediments
292.2 - 354.0	Mafic Volcanics
354.0 - 689.9	Quartz-Feldspar Porphyry
689.9 - 709.3	Mafic Volcanics
709.3 - 722.3	Quartz-Feldspar Porphyry
722.3 - 785.0	Mafic Volcanics

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description
331.0 - 332.0	Quartz Vein
674.0 - 718.8	~~Altered~~ Sulfide Zone: 2-4% py > py (cp) 695.8 - 709.5;
	silicification 674.0 - 685.5; dense qtz stringers
	694.2 - 700.3; 713.6 - 714.2 and 717.0 - 718.8 qtz veins;

COMMENTS: 674.0 - 718.8 B Zone North or A Zone (?).

DIAMOND DRILL RECORD

PROPERTY PUREX PROJECT. HOLE No. 88-DDH-41.

DIP TEST		
	Angle	
Footage	Reading	Corrected
COLLAR	66.0°	66°
200'	65.5°	64°
400'	63.5°	64°
607'	63.0°	64°
785'	61.0°	63°

Hole No. 41 Sheet No. 1 of 10. Lat.
Section Dep.
Date Begun NOV. 21ST/88. Bearing 212° TRUE.
Date Finished NOV. 26TH/88. Elev. Collar
Date Logged NOV. 27TH/88.

Total Depth 785'
Logged By DON FOLEY
Claim
Core Size B.Q.

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	4.0		Overburden: no recovery.				
4.0	81.2		Quartz-feldspar porphyry: w/ some large phenocrysts of feldspar up to 1/4" in diameter.				
			quartz stringers: (infrequent) 24.1-25.9, 26.7-27.5. (metasediments)				
81.2	192.8		Quartzose siltstone: w/ cherty interval from 132.0 - 145.0; moderately-foliated.				
			quartz stringers: (infrequent) 150.0-155.0, 170.0-171.5. (moderate) 187.0-192.8.				
			silicification: (weak) 109.5-147.0 (patchy), 160.0-164.0 (patchy), 184.0-187.0.				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-41.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 41 Sheet No. 2 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			sulphides: tr-1% py = po	49114	81.2	86.0	4.8	.004	Tr
			tr-0.5% py = po	49115	120.1	123.1	3.0	.004	.06
			tr py.	49116	138.5	142.7	4.2	.003	.02
			tr py.	49117	159.0	162.6	3.6	.008	.01
			tr py.	49118	170.0	171.5	1.5	.008	.03
			tr-1% po > py	49119	187.0	191.3	4.3	.004	.04
			disruption: (slight) 85.0-86.8, 107.0-110.5. (moderate) 89.5-100.2 (patchy), 170.0-171.5.						
			S_1 = 30° at 86', 22° at 97', 6° at 108', 22° at 113', 33° at 121', 17° at 137', 24° at 150', 14° at 167', 24° at 180', 28° at 191'.						
192.8	283.5		Quartz-feldspar porphyry: darker variation; w/ some phenocrysts of feldspar up to 1/2" in diam.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-41.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 41 Sheet No. 3 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			quartz stringers: (infrequent) 239.0 - 244.0.						
			silicification: (weak) 274.0 - 278.5.						
			sulphides: tr - 0.5% py.	49120	277.0	280.0	3.0	.002	.02
			S_1 = 20° at 282'.						
283.5	292.2		(metasediments) Quartzose siltstone? w/ moderate foliation; 'chalky' in places.						
			silicification: (moderate - patchy) 279.5 - 292.2.						
			sulphides: tr - 1% py.	49121	287.5	291.0	3.5	.004	.02
			S_1 = 21° at 287', 20° at 292'.						
292.2	354.0		Mafic Volcanics: w/ phenocrysts of quartz and feldspar, ~10-15%, (relictic)						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-41.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 41 Sheet No. 4 of 10.
Section
Date Begun
Date Finished
Date Logged

Lat.
Dep.
Bearing
Elev. Collar

Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag.
			from 1/32-1/4" in diameter; strongly foliated from 292.2-294.2'						
			quartz stringers: (infrequent) 292.2-295.0, 320.0-323.4, 339.1-343.2.						
			quartz vein: 331.0-332.0;						
			carbonatization: (weak) 340.2-341.3.						
			sulphides: tr py. (in quartz vein)	49122	330.3	332.3	2.0	.002	.02
			S_1 = 26° at 295', 24° at 310', 32° at 333', 32° at 352'.						
354.0	689.9		Quartz-feldspar porphyry: w/ short interval of chlorite schist 578.0-579.0; rock moderately foliated or sheared from 566.0 - 578.0' w/ strained quartz-eyes.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-41.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 41. Sheet No. 5 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			quartz stringers: (infrequent)								
			353.5 - 354.5.								
			quartz vein: 354.3 - 354.6.								
			silicification: (weak-patchy)								
			355.5 - 358.5, 381.5 - 383.0, 389.2 -								
			400.2, 566.0 - 578.0, 581.5 - 587.0								
			(modevate) 674.0 - 685.5.								
			sulphides: tr py. (in quartz vein)	49123	354.0	355.5	1.5	.002	.08		
			tr py.	49124	407.0	411.0	4.0	.006	.03		
			tr py, 621.0 - 625.5'.								
			tr py, 638.0 - 668.0'.								
			disruption: (slight) 566.0 - 578.0.								
689.9	709.3		Mafic Volcanics: w/ mineralized zone from 689.8								
			- 709.5'								
			quartz stringers: (modevate)								
			689.9 - 692.2, 701.5 - 704.5.								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-41

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 41 Sheet No. 6 of 10. Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			(heavy) 694.2-700.3, 707.5-709.1.						
			chloritization: (weak-patchy) 695.6-700.6.						
			carbonatization: (weak-patchy) 689.9-709.1						
			sulphides: - tr - 2% po, tr-0.5% py≈cpy.	49125	689.8	692.8	3.0	.006	.17
			- 0.5-2% po, tr-0.5% cpy tr py.	49126	692.8	695.8	3.0	.005	.13
			sulfide zone. - tr-0.5% po, tr py≈cpy.	49127	695.8	698.8	3.0	.004	.10
			- tr-1% po≈py, tr cpy.	49128	698.8	701.8	3.0	.006	.01
			- 0.5-2% po, tr-1% py, tr-0.5% cpy	49129	701.8	704.8	3.0	.020	.02
			- tr po≈py≈cpy.	49130	704.8	707.2	2.4	.004	Tr
			- 0.5-1% po, 0.5 py≈cpy.	49131	707.2	709.5	2.3	.052	.49
			disruption: (slight) 701.8-704.8, 707.5-708.5.						
			(moderate) 689.9-692.9, 695.0-698.0						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-41.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 41 Sheet No. 7 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			S_1 = 42° at 691', 42° at 701', 43° at 708.5'.						
709.3	722.3		Quartz-feldspar porphyry:						
			quartz stringers: (moderate) 709.5 - 712.3.						
			quartz veins: 713.6 - 714.2, 717.0 - 718.8.						
			silicification: (weak-patchy) 714.8 - 716.3.						
			sulphides: tr-1% py.	49132	709.5	712.3	2.8	.004	Tr
			tr py.	49133	712.3	715.3	3.0	.014	.01
			tr-1% py	49134	715.3	719.0	3.7	Tr	.04
			tr py.	49135	719.0	722.3	3.3	.003	Tr
			disruption: (slight) 710.0 - 712.2.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Pyrodex Project. HOLE No. 88-DDH-41.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 41 Sheet No. 8 of 10. Lat. Total Depth

Section Dep. Logged By

Date Begun Bearing Claim

Date Finished Elev. Collar Core Size

Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
722.3	785.0		Mafic Volcanics:						
			Sulphides: tr py.	49136	722.3	725.3	3.0	.004	Tr
			tr py.	49137	725.3	727.8	2.5	.012	.05
			727.8-785.0 tr-2% po, tr-0.5% py = cpy.	49138	727.8	730.9	3.1	.016	.04
			1-2% po > py (elsewhere) tr-1% po, 0.5% py = cpy.	49139	738.5	741.5	3.0	.008	.01
				49470	730.9	733.9	(3.0)	.006	Tr
			S_1 = 40° at 747', 23° at 775'.	49471	733.9	736.9	(3.0)	.004	.10
				49472	736.9	738.9	(1.6)	.002	.02
		END.		49473	741.5	744.5	(3.0)	.002	Tr
			LOST RECOVERY:						
			30.5-33.5 ; Irregular fracture, parts missing.						
			51.5-52.5 ; Blocky core.						
			83.9-87.1 ; Blocky core.						
			87.1-88.6 ; Broken core, parts missing.						
			92.7-94.1 ; Blocky core.						
			104.0-107.0 ; Broken core, parts missing						
			108.5-110.0 ; Broken core, parts missing.						
			122.2-124.2 ; Blocky core.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY PUREX PROJECT. HOLE No. 88-DDH-41.

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 41 Sheet No. 9 of 10. Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			146.1 - 147.2 : Broken core.				
			157.0 - 160.5 : Broken core, parts missing.				
			172.5 - 174.5 : Broken core, parts missing.				
			186.5 - 187.5 : Broken core, parts missing.				
			234.0 - 236.0 : Blocky core.				
			279.5 - 280.5 : Blocky core.				
			353.5 - 354.2 : Broken core.				
			455.5 - 457.0 : Blocky core.				
			528.0 - 529.5 : Irregular fracture, parts missing.				
			573.1 - 574.0 : Broken core.				
			577.9 - 579.0 : Blocky core.				
			707.0 - 709.2 : Blocky core.				
			732.1 - 732.8 : Broken core.				
			768.5 - 769.2 : Broken core.				
			RECOVERY:				
			0 - 7 = 3.0' 27 - 37 = 10.5				
			7 - 17 = 9.6' 37 - 47 = 9.9				
			17 - 27 = 10.4 47 - 57 = 10.0				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Purdex Project. HOLE No. 88-DDH-41

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 41 Sheet No. 10 of 10 Lat. Total Depth
Section Dep. Logged By
Date Begun Bearing Claim
Date Finished Elev. Collar Core Size
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION		SAMPLE No.	FROM	TO	WIDTH OF SAMPLE				
			57-67 = 9.9'	267-277 = 10.0	477-487	=	10.0'		687	-697	= 10.3	
			67-77 = 10.0	277-287 = 9.9	487-497	=	10.2		697	-707	= 10.0	
			77-87 = 9.8	287-297 = 10.0	497-507	=	10.1		707	-717	= 10.0	
			87-97 = 9.8	297-307 = 9.9	507-517	=	10.0		717	-727	= 10.0	
			97-107 = 10.6	307-317 = 10.1	517-527	=	10.1		727	-737	= 10.5	
			107-117 = 10.0	317-327 = 10.2	527-537	=	10.0		737	-747	= 10.0	
			117-127 = 11.1	327-337 = 9.3	537-547	=	10.1		747	-757	= 10.0	
			127-137 = 10.4	337-347 = 10.4	547-557	=	9.8		757	-767	= 9.9	
			137-147 = 9.5	347-357 = 10.4	557-567	=	10.0		767	-777	= 10.1	
			147-157 = 10.0	357-367 = 10.2	567-577	=	10.4		777	-785'	= 8.2	
			157-167 = 9.6	367-377 = 10.1	577-587	=	9.7					
			167-177 = 10.2	377-387 = 10.0	587-597	=	10.0				END.	
			177-187 = 10.1	387-397 = 10.0	597-607	=	10.2					
			187-197 = 10.2	397-407 = 10.0	607-617	=	10.0					
			197-207 = 10.0	407-417 = 9.9	617-627	=	10.0					
			207-217 = 9.7	417-427 = 9.9	627-637	=	10.1					
			217-227 = 10.1	427-437 = 9.9	637-647	=	10.3					
			227-237 = 10.0	437-447 = 10.4	647-657	=	10.3					
			237-247 = 10.1	447-457 = 10.0	657-667	=	10.0					
			247-257 = 10.0	457-467 = 10.0	667-677	=	10.0					
			257-267 = 9.9	467-477 = 10.0	677-687	=	9.9					

NEVILLE CROSBY INC.

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH 42

Date Hole Started 88-11-26

Date Hole Completed 88-11-27

Depth of Hole (ft)

Planned _____

Drilled During Report Period 128'

Drilled to Date 128'

Total Depth of Hole 128'

Survey Data

Collar Latitude (ft) _____

Collar Departure (ft) _____

Collar Elevation (ft) _____

Collar Inclination -45 Degrees

Acid Dip Tests

Inclination @ 128 ft : 43.5 Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

ROCK TYPES:

Interval (ft)	Rock Type
0 - 9.2	Overburden
9.2 - 19.1	Quartz - Feldspar Porphyry
19.1 - 128.6	Mafic Volcanics

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description
54.0 - 59.6	2-4% py > py carb(qtz) stringers + minor disruption
73.2 - 75.7	2-5% py >> py Qtz vein @ 74.0 - 75.0
87.0 - 87.2	8-12% py >> py

COMMENTS: 74.0 - 75.0 Qtz Vein; West extension of B Zone. Intersects vein below exposed qtz vein in trench.

DIAMOND DRILL RECORD

PROPERTY Purdex Project HOLE No. 88-DDH-42

DIP TEST		
	Angle	
Footage	Reading	Corrected
Collar	45°	45
128.6	~~45~~	43.5

Hole No. 88-DDH-42 Sheet No. 1 of 4
Section
Date Begun 88-11-26
Date Finished 88-11-27
Date Logged 88-12-03

Lat.
Dep.
Bearing 212° az
Elev. Collar

Total Depth 128.6 ft
Logged By B. Meyer
Claim
Core Size B.Q

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE				
0	9.2	—	Overburden								
9.2	19.1	100%	Quartz-Feldspar Porphyry: light grey, anhedral-spheroid medium to coarse grained quartz phenocrysts, 10% biotite, suboriented. Stringers: 10.0-10.4 qtz (w̄ minor biot) sparse 15.0-18.7 carbonate (qtz) sparse Sulfides: 9.2-19.1 tr py-po (dis) 15.0-18.7 tr py (clstrs in carb. stringers) Orientation: 35° @ 12 ft (suboriented)								
19.1	128.6	100%	Mafic Volcanics: medium-dark green, aphanitic, occasional fine grained subhedral hornblende(?) phenocrysts, oriented. Dikes: 39.9-40.8, 49.8-52.0, 106.6-106.9 } qtz-kspr porphyry (chilled) Qtz Vein: 74.0-75.0 (white-clear)								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-42

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 2 of 4 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Stringers: 37.0 - 38.7 cerb(qtz) - sparse								
			42.9 - 52.0 cerb(qtz) - sparse to mod.								
			54.1 - 59.6 cerb(qtz) - moderate.								
			69.5 - 128.6 cerb(qtz) - sparse								
			Alteration: 34.7 - 38.0 chloritization (weak)								
			44.7 - 45.2 chlor. (weak - mod.)								
			45.6 - 46.1 chlor (weak)								
			47.4 - 48.0 chlor (weak)								
			114.2 - 112.4 chlor (weak)								
			Disruption: 56.7 - 57.2 moderate (microfold, fracture)								
			Orientation: 30° @ 22.0' 48° @ 85.5								
			19° @ 42.0 42° @ 102.0								
			24° @ 65.0 38° @ 126.0								
			Sulfides: 39.9 - 41.3 tr - 1% py(po) disseminations								
			42.4 - 43.2 tr - 1% py(po) stringer, matrix diss								
			45.1 - 49.9 tr - 1% py(po) stringer, matrix diss								
			52.2 - 54.0 1-2% py-po stringer, matrix	49140	52.2	54.0	1.8	.002	Tr		

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-42

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 3 of 4 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			54.0 - 59.6 2-4% $p_o > p_y$ stregr. micln. clstr. diss	49141	54.0	55.8	1.8	.004	.04		
			55.8 - 58.0 5-7% $p_o >> p_y$ " " " "	49142	55.8	58.0	2.2	.008	.07		
				49143	58.0	59.6	1.6	.004	.22		
			59.6 - 73.2 tr-1% $p_y - p_o$ stregr. clstr. micln.								
			73.2 - 74.0 3-5% $p_o >> p_y$ diss.	49144	73.2	74.0	0.8	.006	.07		
			74.0 - 75.0 2-4% $p_o >> p_y$ clstr @ selvage	49145	74.0	75.0	1.0	.144	.10		
			75.0 - 75.7 2-4% $p_o >> p_y$ diss. few clstr	49146	75.0	75.7	0.7	.002	Tr		
			75.7 - 79.2 tr-1% $p_o > p_y$ diss. stregr.								
			79.2 - 81.5 1-3% $p_o > p_y$ stregr. micln.	49147	79.2	81.5	2.3	.002	Tr		
			81.5 - 85.0 tr-1% $p_o > p_y$ stregr. micln.								
			85.0 - 87.0 1-3% $p_o >> p_y$ stregr. micln. diss	49148	85.0	87.2	2.2	.002	.02		
			87.0 - 87.2 8-12% $p_o >> p_y$ stregr. micln. diss								
			87.2 - 96.2 tr-1% $p_o > p_y$ stregr. micln. diss.								
			96.2 - 97.0 1-2% $p_o >> p_y$ stregr. micln. diss	49149	96.2	97.0	0.8	.002	Tr		
			97.0 - 106.2 tr-1% $p_o >> p_y$ " " "								
			106.2 - 110.8 tr-2% $p_o >> p_y$ " " "	49150	106.2	109.2	3.0	.004	.08		
			110.8 - 112.0 1-2% $p_o >> p_y$ " " "	49160	109.2	112.2	3.0	.004	Tr		
			112.0 - 128.6 tr-2% $p_o >> p_y$ " " "	49161	112.2	115.2	3.0	.002	.02		
				49162	115.2	118.2	3.0	.002	.02		
				49163	118.2	121.2	3.0	.002	Tr		
				49164	121.2	124.2	3.0	.002	.02		

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-42

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 4 of 4
Section _____
Date Begun _____
Date Finished _____
Date Logged _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By _____
Claim _____
Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
				49165	124.2	127.2	3.0	.002	.03		
				49166	127.2	128.6	1.4	.002	.04		
			128.6' End of 88-DDH-42								

NEVILLE CROSBY INC.

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH 43

Date Hole Started 88-11-27

Date Hole Completed 88-11-30-1800

Depth of Hole (ft)

Planned 500'

Drilled During Report Period 492'

Drilled to Date 492'

Total Depth of Hole 492'

Survey Data

Collar Latitude (ft) _____

Collar Departure (ft) _____

Collar Elevation (ft) _____

Collar Inclination -52 Degrees

Acid Dip Tests

Inclination @ 200 ft : 48 Degrees

Inclination @ 400 ft : 47.5 Degrees

Inclination @ 492 ft : 47.5 Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

ROCK TYPES:

Interval (ft)	Rock Type
0 - 8.0	Overburden
8.0 - 71.8	Metasediments
71.8 - 122.0	Quartz-Feldspar Porphyry
122.0 - 135.0	Metasediments
135.2 - 177.7	Quartz-Feldspar Porphyry
177.7 - 281.6	Mafic Volcanics
281.6 - 285.0	Quartz-Feldspar Porphyry
285.0 - 287.6	Mafic Volcanics
287.6 - 299.8	Porphyritic Quartz-Feldspar Granite
299.8 - 342.0	Quartz-Feldspar Porphyry
342.0 - 353.7	Mafic Volcanics
353.7 - 367.3	Quartz-Feldspar Porphyry
367.3 - 492.0	Mafic Volcanics

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description
227.7 - 227.9, 231.6 - 232.4	Quartz Veins
309.5 - 342.0	Qtz stringers, 4-6% po (py cp)
358.4 - 358.9, 362.3 - 364.4, 365.8 - 367.3	Qtz Veins, 1-2% po>>py-esp(cp) in veins.
430.5 - 430.8, 431.2 - 431.7	Quartz Veins, 2-3% po>>py (cp) in veins.

COMMENTS: 309.5 - 342.0, 358.4 - 358.9, 362.3 - 364.4, 365.8 - 367.3 : Qtz stringers and veins with associated mineralization; P Zone

DIAMOND DRILL RECORD

PROPERTY Purdex Project **HOLE No.** 88-DDH-43

DIP TEST		
	Angle	
Footage	Reading	Corrected
Collar	-52°	52
200		48
400		47.5
492		47.5

Hole No. 43 Sheet No. 1 of 11
Section
Date Begun 88-11-27
Date Finished 88-11-30
Date Logged 88-12-4
Lat.
Dep.
Bearing 212° True Az.
Elev. Collar
Total Depth 492.0
Logged By B. Meyer
Claim
Core Size B.Q

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE				
0	8.0		Overburden								
8.0	71.8	100%	Metasediments: light - medium grey, very fine grained, thinly interbedded and laminated argillaceous, silty and arenaceous sediments.								
			Stringers: 17.2-17.4 qtz								
			24.8-25.0 carbonate (qtz)								
			27.5-27.7 qtz (smoky grey)								
			Alteration: 11.0-22.0 chloritization (weak)								
			30.1-34.0 chlor (moderate)								
			34.0-51.8 chlor (weak-mod)								
			Disruption: 43.3-45.2 moderate (fractures)								
			52.7-54.3 mod (microfold, fracture)								
			70.9-71.4 mod (dense x-cut. frac)								
			Orientation: 25° @ 15' 36° @ 58'								
			31° @ 38'								
			Sulfides: 14.0-71.8 tr-1% py-po (micro, clots, diss)								

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1DH-43

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 43 Sheet No. 2 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
71.8	122.0	100%	Quartz-Feldspar Porphyry				
			Stringers: 72.0 - 75.2 carb(qtz) moderate				
			80.0 - 81.0 carb(qtz) moderate				
			Alteration: 64.3 - 107.4 kaolinization (week)				
			Disruption: 79.7 - 80.8 week (frac, stgr.)				
			109.7 - 110.4 week (fractures)				
			Orientation: 41° @ 97'				
			Sulfides: none				
122.0	135.2	100%	Metasediments				
			Stringers: 122.0 - 135.2 carb(qtz) sperse				
			Alteration: 122.2 - 133.3 chlor(mod - wk patches)				
			Orientation: 43° @ 127.5'				
			Sulfides: none				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. _____

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 43 Sheet No. 3 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
135.2	177.7	100%	Quartz Feldspar Porphyry: grading to porphyritic granite, with sparse scattered pinkish subhedral - euhedral feldspar phenocrysts (up to 3/4") from 152 - 177.7'				
			Stringers: 138.4-162.1 carb(qtz), qtz, qtz(hist) sparse				
			Alteration: 135.5-152.7 silicification (wk, patchy)				
			Disruption: 138.3 - 141.6 moderate (fractures)				
			Orientation: 33° @ 143' unoriented from 168 - 177.7				
			Sulfides: 135.2 - 177.7 tr-tr py-po (matrix, diss)				
177.7	281.6	(100%)	Mafic Volcanics: 199.8 - 202.5 amygdaloidal volcanics with calcite amygdules.				
			Dikes: 207.6 - 213.2 Lamprophyre (?)				
			Quartz Vein: 227.7 - 227.9				
			231.6 - 232.4				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-43

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 43 Sheet No. 4 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Stringers: 180.3 - 182.8 carb(qtz) - moderate								
			207.8 - 216.2 carb(qtz) - sparse								
			216.2 - 241.0 carb(qtz) - mod; qtz - cc								
			241.0 - 259.6 carb(qtz) - mod								
			259.6 - 281.6 carb(qtz) - sparse								
			Alteration: 200.8 - 201.3 chlor (mod)								
			222.6 - 229.0 chlor (mod - strong)								
			242.0 - 243.9 chlor (weak)								
			260.8 - 269.3 chlor (weak - mod)								
			Disruption: 224.6 - 228.0 mod (frac, microfold, vein)								
			272.7 - 272.8 strong (brecciation, chlor)								
			Orientation: 36° @ 186' 41° @ 240'								
			45° @ 217' 43° @ 267'								
			Sulfides: 177.7 - 281.6 cc-tr py-po (matrix diss.	49167	190.4	191.7	1.3	.004	Tr		
			191.3 - 198.0 2-3% py >> po (c/stks)	49168	191.7	195.1	3.4	.004	Tr		
			204.0 - 207.5 2-3% po >> py (strgr, c/stks)	49169	195.1	195.8	0.7	.002	.02		
			226.4 - 227.2 1-2% po >> py (strgr diss)	49170	195.8	197.6	1.8	.001	Tr		

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-43

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 43 Sheet No. 5 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
				49171	197.6	198.5	0.9	.003	.02		
				49172	203.4	205.1	1.7	.002	Tr		
				49173	205.1	207.0	1.9	.002	.34		
				49174	207.0	207.8	0.8	.004	.39		
				49175	220.3	221.2	0.9	.002	.30		
				49176	224.5	226.3	1.8	.002	.25		
				49177	226.3	227.5	1.2	.004	Tr		
				49178	227.5	228.2	0.7	.004	Tr		
				49179	228.2	229.2	1.0	.010	Tr		
				49180	229.2	231.6	2.4	.002	.02		
				49181	231.6	232.4	0.8	.002	.04		
				49182	232.4	233.4	1.0	.002	Tr		
				49183	237.0	238.4	1.4	.002	.06		
281.6	285.0	100%	Quartz-Feldspar Porphyry: anhedral and spheroid qtz phenocrysts (1/8" dia) occasional scattered subhedral feldspar phenocrysts (up to 3/8"), unmineralized.								
			Stringers: 281.6-285.0 qtz-sparse								
			Sulfides: rr py-po (diss)								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-43

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 43 Sheet No. 6 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
285.0	287.6	100%	Mafic Volcanics: with scattered calcite amygdules.								
			Stringers: 285.0-287.6 qtz-carb - mod								
			Orientation: 40° @ 287'								
			Sulfides: rr py-po (diss)								
287.6	299.8	100%	Porphyritic Quartz-Feldspar Granite: light grey, very fine to fine grained (microgranite), euhedral qtz and sparse scattered subhedral to euhedral feldspar phenocrysts, unoriented to suboriented.								
			Stringers: 287.6 - 299.8 carb(qtz) - rare 294.5' qtz-ksper (½" width)								
299.8	342.0	100%	Quartz-Feldspar Porphyry: abrupt contact with above unit.								
			Stringers: 303.4 - 342.0 qtz(mainly ½-1") - sparse - mod. 25° subparallel to core axis.								
			Sulfides: 309.5 - 342.0 4-6% po(py cp)	49184	309.5	311.0	1.5'	.030	.30		
			restricted to stringers	49185	311.0	314.0	3.0	.004	Tr		

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-43

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 43 Sheet No. 7 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	A_u	A_g		
				49186	314.0	315.8	1.8	.004	Tr		
				49187	315.8	317.2	1.4	.314	Tr		
				49188	317.2	320.2	3.0	.004	Tr		
				49189	320.2	323.2	3.0	.002	Tr		
				49190	323.2	326.2	3.0	.004	Tr		
				49191	326.2	327.2	1.0	.002	.02		
				49192	327.2	328.3	1.1	.040	Tr		
				49193	328.3	330.0	1.7	.078	.20		
				49194	330.0	331.3	1.3	.018	Tr		
				49195	331.3	332.3	1.0	.024	Tr		
				49196	332.3	335.3	3.0	.006	.04		
				49197	335.3	338.0	2.7	.004	Tr		
				49198	338.0	341.4	3.4	.004	Tr		
				49199	341.4	342.1	0.7	.006	Tr		
342.0	353.7	100%	Mafic Volcanics:								
			Dike: 349.7 - 351.6 quartz-feldspar porphyry								
			Sulfides: 342.0 - 353.7 tr po>py (stgs, mslns)								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-43

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 43 Sheet No. 8 of 11
Section _____
Date Begun _____
Date Finished _____
Date Logged _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By _____
Claim _____
Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag	As%
353.7	367.3	100%	Quartz-Feldspar Porphyry:							
				49474	356.9	357.9	1.0	.004	Tr	
			Quartz Vein: 358.4-358.9 white-grey w/ blk	49200	357.9	359.0	1.1	.058	.02	.05
			362.3-364.4 " "	49201	359.0	362.0	3.0	.006	.03	.01
			365.8-367.3 " "	49202	362.0	364.5	2.5	.192	.02	.10
				49203	364.5	365.8	1.3	.010	.03	.28
			Stringers: 358.2-365.8 qtz - mod.	49204	365.8	367.3	1.5	1.541	1.19	.05
			Alteration: 356.0-359.8 chlor-sil (mod)							
			364.4-365.8 chlor (mod-strong)							
			Orientation: 40° @ 357'							
			Sulfides: 358.4-358.7 1-2% po>>py-esp(cp)							
			362.3-364.4 " "							
			365.8-367.3 " "							

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-43

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 43 Sheet No. 9 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
367.3	492.0	100%	Mafic Volcanics:								
			Dikes: 376.2 - 378.4 qtz-fdspar porphyry	49205	367.3	370.3	3.0	.012	.12		
				49206	370.3	373.3	3.0	.004	Tr		
			Quartz Veins: 430.5 - 430.8	49207	373.3	376.3	3.0	.002	.02		
			431.2 - 431.7	49208	376.3	378.4	2.1	.002	.02		
				49209	378.4	381.4	3.0	.006	.17		
			Calcite Vein: 457.5 - 458.4	49210	381.4	384.4	3.0	.004	.22		
				49211	384.4	387.4	3.0	.002	Tr		
			Stringers: 367.3 - 370.4 qtz, carb(qtz) - dense	49212	387.4	390.4	3.0	.004	.04		
			370.4 - 380.2 carb(qtz) - mod; qtz - sparse	49213	390.4	393.4	3.0	.002	Tr		
			380.2 - 413.5 carb(qtz) - sparse - mod	49214	393.4	396.4	3.0	.002	Tr		
			413.5 - 415.8 qtz, qtz(carb) - mod - dense	49215	396.4	399.4	3.0	.002	.02		
			415.8 - 478.0 carb(qtz) - sparse - mod.	49216	412.0	413.4	1.4	.004	Tr		
			478.0 - 492.0 carb(qtz) - sparse	49217	413.4	414.4	1.0	.016	.26		
				49218	414.4	415.8	1.4	.002	.02		
			Alteration: 367.3 - 370.4 bleaching (mod)	49219	415.8	418.8	3.0	.002	.04		
			413.1 - 427.0 bleach (mod); chlor (mod)	49220	418.8	421.8	3.0	.004	Tr		
			471.0 - 473.0 chlor (mod)	49221	421.8	425.0	3.2	.004	Tr		
				49222	425.0	427.5	2.5	.004	Tr		
				49223	427.5	430.5	3.0	.004	Tr		

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-43

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 43 Sheet No. 10 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Disruption: 367.3 - 370.0 (frac, brec, fault zone ? perph?)								
			413.5 - 415.8 (x-cut frac, stregs, alt)	49224	430.5	432.0	1.5'	.026	Tr		
			430.0 - 432.0 (vein, stregs)	49225	432.0	433.8	3.0	.012	.08		
			448.4 - 449.4 (stregs, frac)	49226	433.8	436.8	3.0	.004	Tr		
				49227	436.8	438.0	1.2	.004	Tr		
			Orientation: 56° @ 374.5' 37° @ 453.0	49228	441.4	444.4	3.0	.002	Tr		
			37° @ 414.0 31° @ 474.0	49229	444.4	447.4	3.0	.002	Tr		
				49230	447.4	450.1	2.7	.010	.05		
			Sulfides: 367.3 - 378.4 tr py > cp - asp (diss, micins)	49231	457.2	458.5	1.3	.004	.02		
			378.4 - 384.5 1-3% py >> cp (diss, micins)	49232	465.2	468.2	3.0	.002	Tr		
			384.5 - 413.5 tr-2% py >> cp (diss, micins)	49233	468.2	471.2	3.0	.002	Tr		
			413.5 - 416.0 2-3% cp - py (cp) (in qtz stregs)	49234	471.2	473.3	2.1	.002	.02		
			416.0 - 425.0 tr-2% py-cp (diss, micins)	49235	476.0	477.5	1.5'	.004	.02		
			425.0 - 427.5 2-3% cp >> py (diss, micins)	49236	482.0	483.0	1.0	.004	.05		
			427.5 - 430.5 tr-2% py - cp (diss, micins)								
			430.5 - 432.8 2-3% cp >> py (cp) (in vnstsl/stregs)								
			432.0 - 433.8 tr-2% py - cp								
			433.8 - 438.0 1-2% cp >> py								
			438.0 - 441.6 tr cp - py								
			441.6 - 450.1 1-2% cp >> py (cp)								
			450.1 - 465.2 tr cp - py								

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1DH-43

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 43 Sheet No. 11 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			465.2 - 473.0 1-3% po >> py (cp)				
			473.0 - 476.0 tr - 1% po - py				
			476.0 - 477.5 2-3% po >> py (cp)				
			477.5 - 492.0 tr - 1% po - py				
			492' End of 88-1DH-43				

NEVILLE CROSBY INC.

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH 44

Date Hole Started 88-11-30-2100

Date Hole Completed 88-12-04-1000

Depth of Hole (ft)

Planned 550'

Drilled During Report Period

Drilled to Date

Total Depth of Hole 597'

Survey Data

Collar Latitude (ft)

Collar Departure (ft)

Collar Elevation (ft)

Collar Inclination -69.5 Degrees

Acid Dip Tests

Inclination @ 200 ft : 67.5 Degrees

Inclination @ 400 ft : 67 Degrees

Inclination @ 597 ft : 66 Degrees

Inclination @ ____ ft : ____ Degrees

Inclination @ ____ ft : ____ Degrees

ROCK TYPES:

Interval (ft)	Rock Type
5.0 - 111.4	Metasediments
111.4 - 178.4	Quartz-Feldspar Porphyry
178.4 - 194.3	Metasediments
194.3 - 199.9	Quartz-Feldspar Porphyry
199.9 - 207.6	Mafic Volcanics
207.6 - 222.0	Quartz-Feldspar Porphyry
222.0 - 400.2	Mafic Volcanics
400.2 - 444.9	Quartz-Feldspar Porphyry
444.9 - 534.1	Mafic Volcanics
534.1 - 553.3	Quartz-Feldspar Porphyry
553.3 - 597.0	Mafic Volcanics

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description
220.5 - 222.0	10-15% py>po (dis, clstr)
429.8 - 432.1	Qtz Vein tr-1% py>po
495.7 - 496.8	Qtz Vein no mineralization
532.4 - 534.1	carb(qtz) stringers (dense), qtz stgrs (sparse); disseminations 2-3% py-asp
536.5 - 543.3; 544.4 - 546.1	Qtz Vein; sil above top vein tr py(asp)
546.1 - 547.0; 553.3 - 554.3	carb(qtz) stringers (dense).

COMMENTS: 495.7 - 554.3 is intersection of P Zone.

DIAMOND DRILL RECORD

PROPERTY Purdex Project HOLE No. 88-DDH-44

DIP TEST		
	Angle	
Footage	Reading	Corrected
Collar		-69.5°
200		67.5
400		67
597		66

Hole No. 44 Sheet No. 1 of 11 Lat. Total Depth 597'
Section Dep. Logged By B.H. Meyer
Date Begun 88-11-30-2100 Bearing 212° True Az. Claim
Date Finished 88-12-04-1000 Elev. Collar Core Size BQ
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
0	5.0		Overburden								
5.0	111.4		Metasediments: light-medium grey, very fine grained thinly interbedded and laminated argillaceous, silty and arenaceous sediments								
			Qtz Vein: 61.0-62.1 (light grey)	49237	60.3	62.1	1.8	.002	Tr		
				49238	62.1	63.7	1.6	.002	Tr		
			Stringers: 44.8-45.9 qtz-carb (moderate)								
			63.0-63.8 qtz (dense)								
			69.5-71.0 qtz (dense)	49239	69.6	71.1	1.5	.002	.02		
			Alteration: 5.0-16.7 chlor (mod-strong)								
			26.4-32.0 chlor (wk-mod)								
			59.5-64.1 chlor (strong)								
			64.1-79.2 chlor (mod becom wk @ base)								
			Disruption: 60.2-64.1 (vein, stgr, alt)								
			Orientation: 18° @ 7' 25° @ 84'								
			23° @ 42'								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-44

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 2 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			Core: 5.0 - 15.5 very blocky				
			66.0 - 72.0 v. blky				
			78.5 - 83.0 blky				
			Sulfides: 5.0 - 59.0 tr py-po (miclas)				
			78.0 - 111.4 tr py-po (miclas)				
111.4	178.8	100%	Quartz-Feldspar Porphyry: fine grained, scattered feldspar phenocrysts (sub-euhedral), abundant euhedral to spheroid quartz phenocrysts				
			Stringers: 111.4 - 163.7 carb(qtz) (sparse)				
			159.1 - 178.8 carb(qtz) (sparse-mod)				
			Sulfides: 111.4 - 178.8 cc py-po.				
178.8	194.3	100%	Metasediments:				
			Stringers: 178.8 - 194.3 carb(qtz) (sparse-mod)				
			Alteration: 178.8 - 194.3 chlor (weak)				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 82-1011-44

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 3 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Orientation: 25° @ 184'								
			Sulfides: none.								
194.3	199.9	100%	Quartz-Feldspar Porphyry:								
			Stringers: 194.3-199.9 carb(qtz)(sparse-mod)								
			Alteration: 194.3-199.9 chlor (mod)								
			Sulfides: 194.3-196.0 tr po-py (diss, micro)	49240	194.2	195.7	1.5'	.004	.04		
			195.2-199.9 2-4% po-py (diss, micro)	do 49241	195.7	197.6	1.9	.006	Tr		
				49242	197.6	200.1	2.5'	.006	.03		
199.9	207.6	100%	Mafic Volcanics								
			Stringers: 199.9-207.6 qtz-carb, sulfides (mod-dense)								
			Orientation: 18° @ 207'								
			Sulfides: 199.9-207.6 2-4% po-py (diss, micro stgrs)	49243	200.1	202.6	2.5'	.004	.04		
				49244	202.6	205.1	2.5'	.002	Tr		
				49245	205.1	207.6	2.5'	.004	Tr		

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-44

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 44 Sheet No. 4 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE				
207.6	222.0	100%	Quartz-Feldspar Porphyry								
			Dike: 218.6-220.5 mafic volcanics								
			Stringers: 213.0-222.0 qtz-carb-biot; qtz-carb.								
			Alteration: 207.6-208.4 chlor (mod)								
			217.0-218.6 chlor (mod)								
			220.5-222.0 silicification (po → mtx)								
			Sulfides: 207.6-208.5 3-5% py>>po (stringers, matrix)	49246	207.6	208.8	1.2	.218	.06		
			208.5-213.1 tr-1% py>po (dis, matrix)	49247	208.8	210.8	2.0	.004	.02		
				49248	210.8	213.1	2.3	.004	.04		
			213.1-216.6 2-4% py>po (c/stc, stringers)	49249	213.1	216.5	3.4	.014	.02		
			216.6-220.5 1-2% py>po (stringers, matrix, c/stc)	49250	216.5	218.5	2.0	.014	Tr		
				49251	218.5	220.5	2.0	.002	Tr		
			220.5-222.0 10-15% po>>py (dis, c/stc)	49252	220.5	222.0	1.5	.028	Tr		

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1)1H - 44

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 44 Sheet No. 5 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
222.0	400.2		Mafic Volcanics								
			Dike: 302.0 - 318.2 lamprophyre(?): light green-grey, very fine ground, abundant biotite, chlorite								
			Qtz Vein: 264.4 - 264.7	49259	264.3	265.0	0.7	.002	.12		
			Stringers: 222.0 - 236.5' carb(qtz) (scarce-mod)								
			257.2 - 258.2 carb; qtz (mod)								
			293.8 - 313.0 carb(qtz) (sparse)								
			313.0 - 314.2 carb(qtz) (dense)	49263	312.9	314.3	1.4	.002	Tr		
			344.4 - 345.5' carb(qtz) (mod)								
			382.2 - 383.4 qtz (dense)								
			390.0 - 394.8 qtz; carb(qtz) (mod)								
			Alteration: 234.2 - 236.8 chlor, biot, (mod-strong)								
			245.4 - 248.0 biot (mod)								
			266.7 - 267.0 chlor. (mod)								
			299.1 - 303.5' biot (mod)								
			305.7 - 318.2 chlor (mod)								
			351.7 - 352.3 chlor (mod)								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1014-44

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 44 Sheet No. 6 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			374.4 - 377.0 chlor in frac (weak)								
			390.0 - 391.0 chlor (mod)								
			Disruption: 245.4-246.0 (brec, stgr, alt)								
			253.1 - 253.3 (brec, stgr)								
			313.0 - 314.2 (dense stgrs)								
			351.7 - 352.3 (fractures)								
			Orientation: 22° @ 289°								
			46° @ 351°								
			Sulfides:	49253	222.0	225.0	3.0	.002	Tr		
			225.0 - 227.0 1-2% po>py (stgr, mic/as)	49254	225.0	228.0	3.0	.002	.24		
			227.0 - 236.0 2-4% po>>py (" ")	49255	228.0	231.0	3.0	.002	Tr		
				49256	231.0	234.0	3.0	.004	.24		
				49257	234.0	235.9	1.9	.024	.12		
			236.0 - 252.2 tr-1% po>py (mic/as, stgr)								
			252.2 - 253.2 2-4% po>>py (" ")	49258	252.2	253.2	1.0	.004	Tr		
			259.8 - 261.0 1-2% po>>py (c/stg, mic/as)								
			270.3 - 271.5 1-2% po>>py (" ")	49260	270.3	271.5	1.2	.002	Tr		
			277.0 - 279.5 tr-1% po>>py (" ")								

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-44

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 44 Sheet No. 2 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			279.5 - 282.5 2-3% po>py (micles, clstr, stregr)	49261	279.4	282.5	3.1	.004	Tr		
			282.5 - 289.9 tr po - py								
			289.9 - 292.7 2-3% po>>py (clstr, stregr)	49262	289.9	292.7	2.8	.002	.30		
			293.8 - 294.5 1-2% po>>py (clstr, stregr, micles)								
			351.7 - 352.3 3-5% py>>po (stregr, clstr)								
			363.2 - 366.0 1-2% po>>py (stregr, micles)								
			382.2 - 383.4 3-5% po>>py (cp)	49264	382.2	383.4	1.2	.004	.26		
			390.0 - 391.0 3-5% po>>py (cp)	49265	390.0	391.0	1.0	.004	.02		
				49266	392.0	393.2	1.2	.002	Tr		
400.2	444.9	100%	Quartz-Feldspar Porphyry								
			Qtz Vein:								
			429.8 - 432.1	see "Sulfides"							
			Stringers:								
			416.5 - 429.8 qtz (hint) (sparse)								
			436.0 - 438.4 qtz; carb(qtz) (mod)								
			Alteration:								
			436.0 - 438.4 chlor (mod)								
			Sulfides:								
			426.5 - 432.4 tr-1% py>po	49267	424.6	427.7	3.1	.010	Tr		
				49268	427.7	429.3	1.6	.120	Tr		
				49269	429.3	432.6	3.3	.090	Tr		

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-44

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 44 Sheet No. 8 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag
			436.0 - 438.7 tr - 1% po > py	49475	432.6	434.1	1.5	.004	Tr
				49270	436.1	438.7	2.6	.004	Tr
444.9	534.1	100%	Mafic Volcanics						
			Qtz Vein:						
			495.7 - 496.8	49271	495.6	497.0	1.4	.004	.01
			Stringers:						
			461.5 - 463.0 qtz - carb - biot (mod)						
			511.4 - 515.3 carb (qtz) (mod)						
			520.0 - 520.5 qtz (creem) (dense)						
			524.5 - 527.0 carb (qtz) (sperse)						
			530.0 - 532.4 carb (qtz) (sperse)						
			532.4 - 534.1 carb (qtz) (dense)						
			qtz (sperse)						
			Alteration:						
			531.0 - 531.7 chlor - biot (mod)						
			531.7 - 534.1 biot (mod - strong)						
			Disruption:						
			532.5 - 534.1 mod (frac, stgr, alt)						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-44

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 44 Sheet No. 9 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Orientation:								
			33° @ 477' 26° @ 531'								
			18° @ 512'								
			Sulfides:								
			452.0-453.9 tr-1% po-py (stgrs, micln)								
			470.7-471.4 2-3% po>>py(cp) (micln, clste)								
			506.0-506.8 tr-1% py (micln)								
			513.9-514.2 tr-1% po-cp (stgrs, micln)								
			530.9-531.5 2-3% po>>py-cp (stgrs, micln)	49272	530.8	532.4	2.6	.002	Tr		
			531.5-534.1 2-3% py-asp (diss, micln)	49273	532.4	534.1	1.7	.040	Tr		
534.1	553.3	100%	Quartz-Feldspar Porphyry: crowded porphyry from	534.1-550.9							
			Qtz Veins:								
			536.5-543.3 } clear-white	see "Sulfides"							
			544.4-546.1 }								
			Stringers:								
			546.1-547.0 cch(qtz) (dense)								
			Alteration:								
			536.5-536.5 silicification (mod)								
			Orientation:								
			23° @ 541.5'								

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1111H-44

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 44 Sheet No. 10 of 11 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Sulfides:								
			534.1 - 550.9 tr py (asp) (diss mclns)	49274	534.1	536.5	2.4	.006	Tr		
				49275	536.5	539.5	3.0	.170	.09		
				49276	539.5	542.5	3.0	.018	.12		
				49277	542.5	543.5	1.0	.563	.44		
				49278	543.5	544.4	0.9	.012	Tr		
				49279	544.4	546.1	1.7	.084	Tr		
				49280	546.1	549.1	3.0	.014	Tr		
				49281	549.1	552.1	3.0	.002	.24		
				49282	552.1	553.3	1.2	.002	.04		
553.3	597.0	100%	Mafic Volcanics								
			Dike:								
			576.8 - 584.0 lamprophyre								
			Stringers:								
			553.3 - 554.3 carb (qtz) (dense)	49283	553.3	554.3	1.0	.004	Tr		
			554.3 - 567.2 carb (qtz) (mod)	49284	554.3	557.3	3.0	.002	Tr		
			566.8 - 567.2 qtz (mod)	49285	557.3	560.3	3.0	.004	.50		
				49286	560.3	563.3	3.0	.006	Tr		
				49287	563.3	565.1	2.4	.004	Tr		
				49288	565.1	567.2	1.5	.004	.02		
			582.6 - 584.0 carb (qtz); qtz (mod)								

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-44

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 44 Sheet No. 11 of 11
Section _____
Date Begun _____
Date Finished _____
Date Logged _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By _____
Claim _____
Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			Alteration:				
			553.3 - 554.3 chlor-biot (mod)				
			565.6 - 566.5 chlor (mod)				
			Disruption:				
			553.3 - 554.3 (dense fract + alt)				
			Orientation:				
			28° @ 565.5'				
			Sulfides:				
			566.2 - 567.0 1-2% po > py (clots, micles)				
			584.0 - 590.0 tr po - py (micles)				
			End of 88-DDH-44 597.0'				

NEVILLE CROSBY INC.

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH-45'

Date Hole Started 88-12-04-1430

Date Hole Completed 8842-05-1230

Depth of Hole (ft)

Planned 200'

Drilled During Report Period _____

Drilled to Date _____

Total Depth of Hole 200'

Survey Data

Collar Latitude (ft) _____

Collar Departure (ft) _____

Collar Elevation (ft) _____

Collar Inclination -52.5' Degrees @ 212° az

Acid Dip Tests

Inclination @ 200 ft : 49.5' Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

ROCK TYPES:

Interval (ft)	Rock Type
7.0 - 62.1	Quartz - Feldspar Porphyry
62.1 - 95.4	Mafic Volcanics
95.4 - 99.0	Quartz Vein
99.0 - 110.7	Quartz - Feldspar Porphyry
110.7 - 115.8	Quartz Vein
115.8 - 123.5'	Quartz Feldspar Porphyry
123.5 - 150.0	Mafic Volcanics
150.0 - 184.2	Quartz - Feldspar Porphyry
184.2 - 200.0	Mafic Volcanics

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description
54.5 - 150.0	Zone of Disruption (dense stress, mylonitic porphyry, alteration)
54.5' - 62.1	silicification, mylonitization
95.4 - 99.0, 110.7 - 115.8, 121.8 - 123.2	Qtz Veins (between veins are silicified zones)
71.0 - 78.6	4-6% po >> py (cp)
122.1 & 123.2	Au (1 speck) @ 122.1 ; Au (4 specks) @ 123.2
123.2 - 136.0	2-4% po-py
124.2 - 139.3	6 qtz veins ranging from 0.3 to 1.8 ft widths.

COMMENTS:

54.5 - 150.0 is intersection of A Zone (?) in upper part and B Zone in lower part.

DIAMOND DRILL RECORD

PROPERTY Purdex Project

HOLE No. 88-DDH-45

DIP TEST		
	Angle	
Footage	Reading	Corrected
Collar		-52.5
200		-49.5

Hole No. 45 Sheet No. 1 of 8
Section
Date Begun 88-12-04-1430
Date Finished 88-12-05-1230
Date Logged

Lat.
Dep.
Bearing 212° az
Elev. Collar

Total Depth 200'
Logged By B. Meyer
Claim
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	7.0		Overburden				
7.0	62.1	100%	Quartz-Feldspar Porphyry; light grey pnk slightly pinkish; mylonitic with large qtz eyes 54.6-62.1				
			Stringers:				
			7.0-28.8 qtz (sparse; mainly ¼" width)				
			36.0-55.0 carb(qtz) (sparse; hairline)				
			Alteration:				
			7.0-36.0 silicification (wk, patchy)				
			36.0-41.4 sil-feldspathization (wk, patchy)				
			41.4-50.2 sil-kspar (mod, patchy; minor stringers)				
			54.5-62.1 sil (mod)				
			Disruption:				
			54.5-62.1 Calt, frac, mylonitization				
			Orientation:				
			7.0-54.6 unoriented				
			54.6-62.1 distinct orientation (foliation) 41°@56°				
			Sulfides:				
			26.4-36.0 tr py-po (dis, mulns)				
			57.3-61.3 tr py-po (dis)				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-45

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 45 Sheet No. 2 of 8
Section _____
Date Begun _____
Date Finished _____
Date Logged _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By _____
Claim _____
Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
62.1	95.4	100%	Mafic Volcanics: contact with above Porphyry	separated by ½" qtz stringer			
			Dike:				
			77.4 - 80.4 qtz-fdspr porphyry.				
			Qtz Vein:				
			64.0 - 64.3 } crm - wh.				
			79.1 - 79.3 }				
			Stringers:				
			62.1 - 81.4 carb (qtz) dense				
			qtz (mod - dense)				
			86.6 - 95.4 carb (qtz) (mod - dense)				
			qtz (sparse - mod)				
			Alteration:				
			62.1 - 81.4 biot (mod)				
			sil - chlor (wk)				
			86.6 - 95.4 chlor (wk)				
			Disruption:				
			62.1 - 81.4 mod - strong (frac, stockwork, milled)				
			86.6 - 89.7 mod - strong (frac, stage)				
			Orientation:				
			43° @ 89'				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1)DH-45'

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 45 Sheet No. 3 of 8 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Sulfides:								
			62.1-65.0 tr-1% po-py (diss)	49289	62.1	64.9	2.8	.040	.12		
			65.0-67.5 1-2% po>py(cp) (dis, miclos)	49290	64.9	67.9	3.0	.016	.03		
			67.5-71.0 tr py-po (dis)	49291	67.9	71.0	3.1	.002	Tr		
			71.0-77.1 3-5% po>>py(cp)(stgs, miclos, c/str)	49292	71.0	74.0	3.0	.002	.02		
				49293	74.0	77.1	3.1	.002	.02		
			77.1-78.6 5-7% po>>py(cp)(stgs, miclos, c/str)	49294	77.1	78.7	1.6	.004	.56		
			78.6-82.5 1-2% po>py (stgs, miclos)	49295	78.7	81.7	3.0	.002	.04		
				49296	81.7	84.7	3.0	.002	Tr		
			82.5-95.4 2-4% po>py (dis, miclos, c/str)	49297	84.7	87.7	3.0	.002	Tr		
				49298	87.7	90.7	3.0	.002	Tr		
				49299	90.7	93.7	3.0	.044	.46		
				49300	93.7	95.4	1.7	.004	.30		
95.4	99.0	100%	Quartz Vein: cream white to very light grey								
			Sulfides:								
			95.4-99.0 tr-1% po-py (clots contacts	49301	95.4	97.0	1.6	.102	Tr		
			with occ. small xenolith)	49302	97.0	99.0	2.0	.002	.04		

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-45

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 45 Sheet No. 4 of 8 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
99.0	110.7	100%	Quartz Feldspar Porphyry: texture masked by alteration.								
			Stringers:								
			99.0 - 110.7 qtz (sparse)								
			Alteration:								
			99.0 - 110.7 chlor (mod - strong)								
			sil (wk, patchy)								
			Disruption:								
			99.0 - 110.7 mod - dense (frac. free)								
			Sulfides:	49303	99.0	102.0	3.0	.002	Tr		
			none visible								
				49304	107.7	110.7	3.0	.002	.02		
110.7	115.8	100%	Quartz Vein: cream white to very light grey								
			Sulfides:	49305	110.7	113.7	3.0	.122	Tr		
			none observed	49306	113.7	115.8	2.1	.004	.04		

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-45

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 45 Sheet No. 5 of 8 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
115.8	123.5	100%	Quartz Feldspar Porphyry								
			Qtz Vein:								
			121.8 - 123.2								
			Stringers:								
			barren								
			Alteration:								
			115.8 - 123.5 chlor (mod)								
			sil (wk patchy)								
			120.6 - 121.8 feldspathization (mod)								
			Sulfides:	49307	115.8	118.8	3.0	.002	.14		
			122.1 Au 1 speck in vein near edge	49308	118.8	121.8	3.0	.002	.04		
			123.2 Au 4 specks at edge of vein	49309	121.8	123.5	1.7	.886	.28		
			123.2 - 123.5 5-7% po>>py (clots)								
123.5	150.0	100%	Mafic Volcanics:								
			Qtz Veins: all are smoky grey & barren of min.								
			124.2 - 124.6								
			125.6 - 127.4								
			127.9 - 128.5								
			130.1 - 131.6								
			132.7 - 133.0								
			138.8 - 139.3								

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1DDH-45

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 6 of 8 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Stringers :								
			123.5 - 150.0 carb (qtz) (dense)								
			qtz (sparse; mainly near vein)								
			Alteration :								
			123.5 - 150.0 chlor (mod)								
			Disruption :								
			123.5 - 150.0 mod (stress alt, vein, micro fol, mac brec)								
			Orientation :								
			43° @ 136'								
			Sulfides :								
			123.5 - 131.3 1-2% py (diss)	49310	123.5	124.7	1.2	.227	.27		
				49311	124.7	127.4	2.7	.040	.02		
				49312	127.4	130.0	2.6	.044	.34		
				49313	130.0	131.3	1.3	.004	.34		
			131.3 - 132.4 3-5% po-py (clstr, stress, diss)	49314	131.3	132.4	1.1	.076	.14		
			132.4 - 135.2 tr-1% po-py (mic lns, diss)	49315	132.4	135.4	3.0	.056	.01		
			135.2 - 136.0 2-4% po-py (" ")	49316	135.4	138.4	3.0	.050	Tr		
			136.0 - 150.0 tr-1% py-po (diss, mic lns clstr)	49317	138.4	141.4	3.0	.008	.01		
				49318	141.4	144.4	3.0	.004	Tr		
				49319	144.4	147.4	3.0	.010	.29		

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-45

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 7 of 8 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
				49320	147.4	150.0	2.6	.020	.22		
150.0	184.2	100%	Quartz-Feldspar Porphyry: crowded porphyry in upper part; phenocrysts decreasing in number near upper contact with volcanics								
			Dikes:								
			159.4 - 160.0 diabase? black, aphanitic								
			175.6 - 176.8 lamprophyre								
			Stringers:								
			150.0 - 181.0 carb (qtz) (scarce-mod)								
			151.0 - 159.0 qtz (scarce)								
			166.5 - 172.0 qtz (scarce)								
			Orientation:								
			46° @ 171'								
			Alteration:								
			150.0 - 160.7 chlor (wk-mod)								
			155.0 - 163.4 feldspathization (mod-strong)								
			Sulfides: none	49321	150.0	153.0	3.0	.002	.02		

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-45'

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 8 of 8 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
184.2	200	100%	Mafic Volcanics:				
			Stringers: 184.2-186.3 carb(q/z) (mod)				
			Orientation:				
			42° @ 187'				
			Core: parts blocky				
			Sulfides:				
			184.2-185.6 tr-1% py-po (mod as diss)				
			192.3-200.0 1-2% po>py (diss. mod as)				
			End of 88-DDH-45 200'				

NEVILLE CROSBY INC.

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH 46

Date Hole Started 88-12-05-1600

Date Hole Completed 88-12-05-2330

Depth of Hole (ft)

Planned 70'

Drilled During Report Period _____

Drilled to Date _____

Total Depth of Hole 66'

Survey Data

Collar Latitude (ft) _____

Collar Departure (ft) _____

Collar Elevation (ft) _____

Collar Inclination -41 Degrees

Acid Dip Tests

Inclination @ 66 ft : 38 Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

ROCK TYPES:

Interval (ft)	Rock Type
14.3 - 66.0	Mafic Volcanics

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description
14.3 - 14.7, 17.1 - 18.0,	25.9 - 29.3, 32.8 - 34.7 } 1% Qtz Veins
35.7 - 40.8, 41.3 - 48.7,	52.3 - 53.0 }
25.0 - 48.7	tr - 2% py - po.
50.6 - 53.1	2 - 4% po - py (cp)
54.9 - 56.7	8 - 12% py - po (cp)

COMMENTS: 88-DDH-46 intersects B Zone.

DIAMOND DRILL RECORD

PROPERTY Purdex Project

HOLE No. 88-DDH-46

DIP TEST		
	Angle	
Footage	Reading	Corrected
Collar		-41°
66		38°

Hole No. 46 Sheet No. 1 of 3
Section
Date Begun 88-12-05-1600
Date Finished 88-12-05-2330
Date Logged

Lat.
Dep.
Bearing 212° az
Elev. Collar

Total Depth 66'
Logged By B. Meyer
Claim
Core Size BQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	14.3		Overburden				
14.3	66.0		Mafic Volcanics				
			Qtz Veins: all veins very light grey				
			14.3 - 14.7				
			17.1 - 18.0				
			25.9 - 29.3				
			32.8 - 34.7				
			35.7 - 40.8 (fragments of country rock common)				
			41.3 - 48.7				
			52.3 - 53.0				
			Stringers:				
			14.7 - 17.1 carb(qtz) (mod)				
			18.0 - 24.5 carb(qtz) (mod)				
			qtz (sparse)				
			24.5 - 25.9 carb(qtz) (dense)				
			29.3 - 32.8 carb(qtz) (sparse - mod)				
			qtz (sparse)				
			34.7 - 35.7 carb(qtz); qtz (mod)				
			48.7 - 52.3 carb(qtz) (sparse)				
			52.3 - 66.0 carb(qtz) (mod)				
			55.3 - 56.0 qtz (mod - dense)				

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-46

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 46 Sheet No. 2 of 3 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Alteration:								
			14.2 - 17.1 chlor (wk)								
			18.0 - 25.9 chlor (wk)								
			29.3 - 32.8 chlor (wk)								
			55.6 - 58.8 chlor (mod - strong)								
			58.6 - 66.0 chlor (mod)								
			63.7 - 65.3 chlor (strong)								
			Orientation:								
			58° @ 22'								
			52° @ 61'								
			Disruption:								
			24.5 - 25.9 minor (stress. microfolds)								
			Mineralization:	49322	14.3	14.8	0.5'	.399	.08		
				49323	14.8	16.9	2.1	.004	.30		
			16.9 - 17.1 1-2% py (diss. micros)	49324	16.9	18.1	1.2	.064	.30		
			25.0 - 27.6 tr py-po (diss. micros)	49325	18.1	21.1	3.0	.006	Tr		
				49326	21.1	24.1	3.0	.002	.14		
				49327	24.1	25.9	1.8	.008	Tr		
				49328	25.9	27.8	1.9	.008	.03		
			27.6 - 29.3 tr-2% po-py(cp) (diss. clsts)	49329	27.8	29.3	1.5'	.577	.42		
			29.3 - 32.8 tr-1% po-py (cp) (dis. micros)	49330	29.3	30.8	1.5'	.028	Tr		

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-46

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 46 Sheet No. 3 of 3 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
				49331	30.8	32.8	2.0	.024	Tr		
			32.8 - 34.7 tr py (miclns, diss)	49332	32.8	34.7	1.9	.018	Tr		
			34.7 - 42.0 2-3% po>py(cp) (clstr, miclns)	49333	34.7	35.6	0.9	.110	.47		
				49334	35.6	37.6	2.0	.100	.38		
				49335	37.6	39.6	2.0	.318	.13		
				49336	39.6	42.0	2.4	.330	.42		
			42.0 - 45.0 tr py (diss, miclns)	49337	42.0	44.5	2.5	.020	Tr		
			45.0 - 46.7 2-3% po>py(cp) (miclns, diss, clstr)	49338	44.5	47.0	2.5	.168	.11		
			46.7 - 48.7 tr py (diss, miclns)	49339	47.0	48.7	1.7	.524	.11		
				49340	48.7	50.6	1.9	.004	.04		
			50.6 - 51.5 3-5% py>po(cp) (clstr, stgr, miclns)	49341	50.6	52.3	1.7	.012	.39		
			51.5 - 53.1 1-2% po-py(cp) (miclns, diss)	49342	52.3	53.0	0.7	.014	.29		
			53.1 - 54.9 tr po-py (diss, miclns)	49343	53.0	54.9	1.9	.002	.04		
			54.9 - 56.7 8-12% py-po(cp) (diss, stgr, miclns, clstr)	49344	54.9	56.7	1.8	.217	.10		
			56.7 - 63.7 tr-1% py-po (diss, miclns)	49345	56.7	59.1	2.4	.064	Tr		
				49346	59.1	61.5	2.4	.006	Tr		
				49347	61.5	63.7	2.2	.004	.02		
			63.7 - 66.0 2-4% po>py (miclns, clstr)	49348	63.7	66.0	2.3	.006	Tr		
			End of 88-DDH-46 66'								

NEVILLE CROSBY INC.

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH 47

Date Hole Started 88-12-06-0230

Date Hole Completed 88-12-06-1630

Depth of Hole (ft)

Planned 100'

Drilled During Report Period _____

Drilled to Date _____

Total Depth of Hole 117.8'

Survey Data

Collar Latitude (ft) _____

Collar Departure (ft) _____

Collar Elevation (ft) _____

Collar Inclination -44 Degrees

Acid Dip Tests

Inclination @ 100 ft : 41.5 Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

Inclination @ _____ ft : _____ Degrees

ROCK TYPES:

Interval (ft)	Rock Type
10.5 - 117.8	Mafic Volcanics

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description
55.3-56.4, 58.1-58.6, 60.1-61.2, 67.9-68.4	58.7-58.9 } Qtz Veins
55.3 - 68.4	1-2% po-py
93.6 - 94.7	Pyrite - Qtz - Siderite(?) Vein (85-90% py, 6-8% po)
94.7 - 95.7	6-8% py > po

COMMENTS: 88-DDH-47 intersects B Zone North @ 55.3 - 68.4';
B Zone South @ 93.6 - 95.7'

DIAMOND DRILL RECORD

PROPERTY Purdex Project HOLE No. 88-DDH-47

DIP TEST		
	Angle	
Footage	Reading	Corrected
Collar		44
100		41.5

Hole No. 47 Sheet No. 1 of 3 Lat. Total Depth 117'
Section Dep. Logged By B. Meyer
Date Begun 88-12-06-0230 Bearing 212° 62 Claim
Date Finished 88-12-06-1630 Elev. Collar Core Size BQ
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
0	10.5		Overburden				
10.5	117.8		Mafic Volcanics: 38.9 - 70.9 is zone of very fine grained matrix with scattered white calcite crystals (amygdules?) and biotite enrichment; above and below is aphanitic homogeneous greenstone.				
			Qtz Veins:				
			55.3 - 56.4 } cream-white				
			58.1 - 58.6 }				
			58.7 - 58.9 }				
			60.1 - 61.2 very light grey				
			67.9 - 68.4 cream-white				
			Pyrite - Qtz - Carbonate Vein (with siderite?):				
			93.6 - 94.7				
			Stringers:				
			10.5 - 42.1 carb (qtz) (sparse)				
			42.1 - 44.4 carb (qtz) (mod - dense)				
			44.4 - 52.0 carb (qtz) (sparse)				
			52.0 - 60.1 carb (qtz) (mod)				
			qtz (sparse)				
			63.7 - 70.6 carb (qtz) (sparse)				
			94.7 - 95.7 carb - qtz (mainly sid?); sh // to c.a.; mnr brec.				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1)1H-47

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 47 Sheet No. 2 of 3 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			96.4 - 99.6 carb (qtz) (mod); x-cut. hairline				
			102.7 - 102.2 carb (qtz), carb (k-spar) (mod)				
			Alteration:				
			50.4 - 55.3 chlor (mod)				
			56.4 - 58.1 chlor (mod)				
			58.9 - 60.1 chlor (wk)				
			61.2 - 67.9 chlor (wk)				
			96.8 - 99.6 chlor (wk)				
			102.7 - 104.0 chlor (mod)				
			Disruption:				
			55.3 - 68.4 (qtz veining)				
			93.6 - 95.7 (vein, sulfides)				
			Orientation:				
			48° @ 13'				
			40° @ 47'				
			43° @ 73'				
			53° @ 107'				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-47

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 47 Sheet No. 3 of 3
Section _____
Date Begun _____
Date Finished _____
Date Logged _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By _____
Claim _____
Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Sulfides:								
			43.0 - 44.3 2-3% py-po (clstc, miclas, stregr)	49349	43.0	44.3	1.3	.004	Tr		
			49.5 - 50.4 3-5% po-py(cp)(" " ")	49350	49.5	50.5	1.0	.034	.36		
			52.4 - 56.4 1-2% po>py(cp) (miclas, clstc)	49351	51.2	53.2	2.0	.014	Tr		
				49352	53.2	55.2	2.0	.042	Tr		
				49353	55.2	56.4	1.2	.072	Tr		
			57.5 - 59.2 2-3% po>py(cp) (clstc, miclas)	49354	56.4	58.0	1.6	.042	.14		
				49355	58.0	59.2	1.2	.098	.18		
			59.2 - 61.2 tr py-po (clstc)	49356	59.2	60.1	0.9	.022	Tr		
				49357	60.1	61.2	1.1	.026	.33		
				49358	61.2	63.2	2.0	.008	Tr		
			67.9 - 68.4 1-2% po>>py (on edge of vein)	49359	65.8	67.8	2.0	.012	.01		
				49360	67.8	68.5	0.7	.164	.38		
				49361	68.5	70.4	1.9	.018	.88		
			72.8 - 74.2 tr-1% po>py (miclas, stregr)								
			79.4 - 93.6 tr-1% po-py (clstc, stregr, miclas)	49362	92.1	93.6	1.5	.014	.01		
			93.6 - 94.7 85-90% py, 6-8% po (massive)	49363	93.6	94.7	1.1	.020	.10		
			94.7 - 95.7 6-8% py>po (clstc)	49364	94.7	95.7	1.0	.016	.04		
			95.7 - 111.6 tr-1% po-py (miclas, stregr)	49365	95.7	97.0	1.3	.008	.01		
			111.6 - 112.5 3-5% po>py (miclas, stregr)	49366	111.6	112.5	0.9	.008	Tr		
			112.5 - 117.8 tr-1% po-py (miclas)								

NEVILLE CROSBY INC.

End of 88-DDH-47 117.8'

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH - 48

Date Hole Started 88-12-06-2030

Date Hole Completed 88-12-12-1700

Depth of Hole (ft)

Planned 850'

Drilled During Report Period

Drilled to Date

Total Depth of Hole 822'

Survey Data

Collar Latitude (ft)

Collar Departure (ft)

Collar Elevation (ft)

Collar Inclination -66 Degrees

Acid Dip Tests

Inclination @ 200 ft : -63 Degrees

Inclination @ 400 ft : -62 Degrees

Inclination @ 600 ft : -61 Degrees

Inclination @ 820 ft : -61 Degrees

Inclination @ ____ ft : ____ Degrees

ROCK TYPES:

Interval (ft)	Rock Type
6.9 - 45.6	Qtz - Kspc Porph
45.6 - 47.6	Qtz Vein
47.6 - 98.5	Qtz - Kspc Porph
98.5 - 181.0	Mafic Volcanics
181.0 - 420.3	Qtz - Kspc Porph.
420.3 - 426.6	Mafic Volcs
426.6 - 782.8	Qtz - Kspc Porphyry
782.8 - 786.7	Qtz Vein
786.7 - 787.6	Disrupted Zone (Porph, Volcs, Qtz)
787.6 - 788.9	Qtz Vein
788.9 - 792.0	Mafic Volcanics
792.0 - 794.3	Qtz Vein
794.3 - 796.2	Mafic Volcs
796.2 - 799.8	Disrupted Zone (Volcs & qtz)
799.8 - 804.6	Mafic Volcanics
804.6 - 807.7	Qtz Vein
807.7 - 810.0	Disrupted Zone (Porph, Volcs & qtz)
810.0 - 822.0	Qtz - Kspc Porphyry

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description
45.6 - 47.6	Qtz Vein 1 speck Au @ 45.6'
782.8 - 810.0	Disrupted Zone comprising qtz veins (?)
	mylonitic zones, zones of siliceous, argillic &
	chloritic alteration,

COMMENTS: 88-DDH-48 intersects either B Zone or A Zone, or C Zone (new zone) at 782.8-810.0 ft. A new undefined zone is intersected at 45.6 - 47.6 ft.

DIAMOND DRILL RECORD

PROPERTY Purdex Project HOLE No. 88-DDH-48

DIP TEST		
	Angle	
Footage	Reading	Corrected
Collar		66
200		63
400		62
600		61
820		61

Hole No. 48 Sheet No. 1 of 10 Lat. Total Depth 822'
Section Dep. Logged By B. Meyer
Date Begun 88-12-06-2030 Bearing 212° az Claim
Date Finished 88-12-12-1700 Elev. Collar Core Size B-Q
Date Logged

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
0	6.4		Overburden								
6.4	45.6	100%	Quartz-Feldspar Porphyry: medium grey, aphanitic - very fine grained groundmass, anhedral to subhedral quartz phenocrysts common, scattered anhedral - euhedral feldspar phenocrysts, groundmass is biotitic.								
			Stringers: none								
			Alteration: 29.4-35.5 chlor (weak)								
			Sulfides:								
			42.6-45.1 tr-1% py (diss)								
45.6	47.6	100%	Quartz Vein: cream to very light grey, sericitic patches common, pink feldspar at base, vein appears thin and subparallel to core axis.								
			Sulfides:	49367	45.5	46.5	1.0	.010	.03		
			45.6 1 speck Au.	49368	46.5	47.5	1.0	.004	Tr		
47.6	98.5		Quartz-Feldspar Porphyry: light grey, crowded porphyry, scattered subhedral to euhedral feldspar phenocrysts (up to ½"), smaller anhedral quartz phenocrysts common.								
			50.8-54.0 Qtz-Fdspar Porphyry with few phenocrysts, sharp contact with above crowded porphyry but is gradational at base								
			Stringers: none.								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-48

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 48 Sheet No. 2 of 10 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Alteration:								
			42.6-50.4 chlor, sil (mod, patchy)								
			80.9-82.2 chlor (mod, in dense frac)								
			Orientation:								
			42.6-98.5' unoriented.								
			Sulfides:								
			42.6-98.5 tr py-po (diss, clsts)	49369	47.5	48.5	1.0	.006	.03		
98.5	181.0	100%	Mafic Volcanics: dark green, aphanitic, chebbly chloritized and calcitic pyroxene (?) phenocrysts common.								
			Stringers:								
			98.5-102.0 carb (dense; sh// haicline frac)								
			98.5-99.7 qtz (sparse)								
			171.8-181.0 carb (sparse)								
			Orientation:								
			23° @ 101' 23° @ 179'								
			18° @ 156'								
			Sulfides: none								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-48

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 48 Sheet No. 3 of 10 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
181.0	420.3		Quartz-Feldspar Porphyry: light grey, patches of crowded porphyry.								
			Stringers:								
			391.4-395.1 qtz (mod)								
			397.3-405.2 carb (qtz) (mod)								
			Alteration:								
			181.0-183.0 chlor (mod, in dense chlorite fgs)								
			202.7-217.0 sil, chlor (wk)								
			351.0-357.6 sil (wk, patchy)								
			396.5-405.2 sil (wk, patchy)								
			407.3-412.4 sil, chlor (wk-mod pervasive)								
			Orientation:								
			181.0-351.0 unoriented								
			351.0-357.6 oriented, 26° @ 353'								
			357.6-416.0 unoriented								
			416.0-418.2 oriented 46° @ 417'								
			Disruption:								
			397.3-405.2 minor (frac, stgr, clt)								
			Sulfides: none	49370	391.6	395.3	3.7	.008	Tr		
				49371	395.3	398.1	2.8	.004	Tr		
				49372	398.1	401.1	3.0	.002	Tr		
				49373	401.1	403.1	2.0	.004	Tr		

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-48

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 48 Sheet No. 4 of 10 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
				49374	403.1	405.3	2.2	.006	Tr		
420.3	426.6	100%	Mafic Volcanics								
			Stringers:								
			420.3 - 426.6 carb (dense)								
			421.2 - 422.0 qtz (dense)								
			Orientation:								
			47° @ 423.0'								
			Sulfides:								
			420.3 - 426.6 tr py.								
426.6	782.8		Quartz - Feldspar Porphyry								
			Dike:								
			432.6 - 439.3 porphyritic hornblende rhyolite: white, 10% anhedral hornblende phenocrysts, trace scattered sericite.								
			Stringers:								
			437.4 - 443.1 qtz; qtz-carb (sparse-mod)								
			458.1 - 491.7 qtz (sparse)								
			475.7 - 485.2 carb (qtz) (sparse)								
			521.4 - 531.8 qtz (fuscm) (sparse)								
			780.6 - 782.8 qtz, qtz-carb (mod)								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-48

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 5 of 10 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			Alteration:				
			437.2 - 440.3 sil (wk, patchy)				
			482.7 - 499.9 sil (wk, patchy)				
			546.8 - 550.3 kao - chlor (mod - strong; in dense frac. network)				
			584.2 - 586.2 kao - chlor (mod; pervasive)				
			620.8 - 622.5 sil (mod)				
			661.0 - 663.2 sil (mod - strong; pervasive)				
			700.7 - 703.7 sil (mod; pervasive)				
			741.3 - 762.2 kao - chlor (mod - strong; patchy)				
			769.6 - 776.7 kao - chlor (wk - mod)				
			776.7 - 782.8 sil - chlor - argillic (mod; strong sil near base)				
			Orientation:				
			426.6 - 546.8 unoriented				
			546.8 - 542.6 oriented 54° @ 542'				
			542.6 - 762.2 unoriented				
			762.2 - 769.6 oriented 33° @ 762.5' (due to alt.)				
			774.6 - 779.0 suboriented 24° @ 777.0 (due to alt)				
			Disruption:				
			546.8 - 550.3 (dense frac. alt.)				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY ______________________ HOLE No. 88-DDH-48

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 48 Sheet No. 6 of 10
Section ______
Date Begun ______
Date Finished ______
Date Logged ______
Lat. ______
Dep. ______
Bearing ______
Elev. Collar ______
Total Depth ______
Logged By ______
Claim ______
Core Size ______

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Sulfides:								
			504.7 - 517.1 tr-1% py (diss)								
			521.7 - 524.7 tr-1% py(po) (cldrs @ edge of qtz strgr sbll to core axis)								
			620.7 - 622.5 tr py (diss, miclns)								
			780.7 - 782.8 tr po-py (clstrs)	49375	779.8	782.8	3.0	.008	.19		
782.8	786.7	100%	Quartz Vein: very light grey, ½" band black volcs (of tourm?) between porph & vein.								
			Sulfides:								
			tr-1% py(po) @ edges of vein	49326	782.8	784.7	1.9	.006	.03		
				49327	784.7	786.7	2.0	.002	Tr		
786.7	787.6	100%	Disrupted Zone: Qtz-Kspr Porph and Mafic Volcs								
			with dense qtz strgrs and partial silicification.								
			Sulfides:								
			2-3% po(py) (clstrs, diss)	49328	786.7	788.9	2.2	.004	.20		
787.6	788.9	100%	Quartz Vein: very light grey, few dark green volcs. xenolith fragments.								
			Sulfides:								
			tr po(py) (clstrs near edges of frags)								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1)DH-48

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 48 Sheet No. 7 of 10 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
788.9	792.0	100%	Mafic Volcanics: dark green, aphanitic, homogeneous.								
			Stringers:								
			788.9 - 792.0 qtz (dense; 6 stgrs ~ 2")								
			carb(qtz) (mod)								
			Alteration:								
			788.9 - 792.0 chlor (wk)								
			Disruption:								
			788.9 - 792.0 stgrng (stgrs & mac brec)								
			Sulfides:								
			788.9 - 792.0 2-3% po>py(cp) (stgrs, clst, diss)	49379	788.9	792.0	3.1	.008	.01		
792.0	794.3	100%	Quartz Vein: smoky grey								
			Sulfides:								
			792.0 - 794.3 tr py (diss)	49380	792.0	794.3	2.3	.004	Tr		
794.3	796.2	100%	Mafic Volcanics: dark green - black, aphanitic, biotitic.								
			Stringers:								
			794.3 - 796.2 qtz (dense. 9 stgrs 1/4 - 1.5")								
			carb(qtz) (mod)								
			Alteration:								
			794.3 - 796.2 chlor (wk)								

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-48

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 48 Sheet No. 8 of 10 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Discruption:								
			794.3 - 796.3 strong (stgrs, microfld)								
			Orientation:								
			27° @ 795'								
			Sulfides:								
			794.3 - 796.2 2-3% po>py (stgrs, melos, clstr, diss)	49381	794.3	796.2	1.9	.008	Tr		
796.2	799.8	100%	Discrupted Zone: alternating thin qtz veins and stringers with mafic volcanics.								
			Qtz Veins:								
			796.2 - 799.8 13 beads 2-5" width alternating with mafic vols.								
			70% of zone is qtz (veins + stgrs)								
			Stringers:								
			796.2 - 799.8 carb (qtz) (mod) in vols								
			Sulfides:								
			796.2 - 799.8 2-3% po>py (cp) (clstr, melos;	49382	796.2	798.0	1.8	.006	Tr		
			mainly vols or edge of vein)	49383	798.0	799.8	1.8	.006	.27		
799.8	804.6	100%	Mafic Volcanics								
			Qtz Veins:								
			802.1 - 802.7 }								
			803.7 - 804.1 } crm-white.								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1)DH-48

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 48 Sheet No. 9 of 10 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Stringers:								
			799.8 - 802.1 }								
			802.7 - 803.7 } qtz, carb(qtz) (dense)								
			804.1 - 804.6 }								
			Disruption:								
			799.8 - 804.6 strong (vein, stgr, bres)								
			Orientation:								
			42° @ 801.6								
			Sulfides:								
			1-3% po > py (cp) (clstr, micles.)	49384	799.8	802.3	2.5'	.010	.27		
			↳ qtz veins mainly barren.	49385	802.3	804.6	2.3	.008	.23		
804.6	807.7	100%	Quartz Vein: cream white - very light grey.								
			806.3 - 807.7 Volc. xenolithic frags com.								
			Sulfides:	49386	804.6	806.3	1.7	.010	.17		
			804.6 - 806.7 tr po-py (micles. clstr)	49387	806.3	807.7	1.4	.004	Tr		
807.7	810.0	100%	Disrupted Zone: Qtz-Fdspr Porphyry & Mafic Volcanics.								
			Stringers:								
			807.7 - 809.7 qtz (dense; up to 2" widths								

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1DH-48

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 48 Sheet No. 10 of 10 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Alteration:								
			807.7 - 809.7 s/l (mod)								
			chlor-arg (wk-mod)								
			Disruption:								
			807.7 - 809.7 mod-strong								
			Sulfides:								
			807.7 - 810.0 tr py-po (diss, clots)	49388	807.7	810.0	2.3	.002	Tr		
810.0	822.0	100%	Quartz-Feldspar Porphyry: well foliated with qtz eyes (mylonitic)								
			Calcite Vein:								
			813.0 - 813.3 white								
			Stringers:								
			810.0 - 811.1 qtz (mod)								
			811.1 - 816.6 qtz (sparse)								
			Alteration:								
			810.0 - 820.8 arg-chlor (mod-strong; pervasive)								
			Disruption:								
			810.0 - 820.8 mylonitic zone.								
			Orientation:								
			810.0 - 820.8 well foliated 35° @ 817.0	49389	810.0	813.0	3.0	.004	Tr		
			Sulfides: none	49390	813.0	816.0	3.0	.004	Tr		

NEVILLE CROSBY INC.

End of 88-1DH-48 822.0'

DRILL HOLE REPORT

DRILL HOLE NO. 88-DDH-49

Date Hole Started 88-12-12-2100

Date Hole Completed 88-12-15-1500

Depth of Hole (ft)

Planned _____

Drilled During Report Period _____

Drilled to Date _____

Total Depth of Hole 698

Survey Data

Collar Latitude (ft) _____

Collar Departure (ft) _____

Collar Elevation (ft) _____

Collar Inclination 58 Degrees

Acid Dip Tests

Inclination @ 200 ft : 55 Degrees

Inclination @ 400 ft : 54 Degrees

Inclination @ 600 ft : 54 Degrees

Inclination @ 698 ft : 53.5 Degrees

Inclination @ _____ ft : _____ Degrees

ROCK TYPES:

Interval (ft)	Rock Type
6.0 - 23.5	Metasediments
23.5 - 39.8	Qtz-Fdspc Porphyry
39.8 - 50.1	Metasediments
50.1 - 62.5	Qtz-Fdspc Porphyry
62.5 - 65.7	Metasediments
65.7 - 74.2	Qtz-Fdspc Porphyry
74.2 - 92.0	Metasediments
92.0 - 146.2	Qtz-Fdspc Porphyry
146.2 - 154.5	Interlayered Mafic Volcanics + Metasediments
154.5 - 218.9	Mafic Volcanics
218.9 - 394.0	Qtz-Fdspc Porphyry
394.0 - 560.1	Mafic Volcanics
560.1 - 619.9	Qtz-Fdspc Porphyry
619.9 - 626.7	Mafic Volcanics
626.7 - 635.4	Qtz-Fdspc Porphyry
635.4 - 675.7	Mafic Volcanics
675.7 - 690.2	Qtz-Fdspc Porphyry
690.2 - 698.0	Lamprophyre Dike

VEINING/ALTERATION/MINERALIZATION:

Interval (ft)	Description
349 - 413	Qtz Veins @ 349.0-353.3, 368.3-369.3, 375.5-386.1
	399.6-400.0; 1-2% po>py(cp, esp); mod sil-chlor;
619.9 - 626.7	Qtz Veins @ 621.5-622.3; 10-15% po>>cp-py; banded sulfides.
635.4 - 639.3	10-15% po>> py(cp); banded sulfides

COMMENTS: Interval 349 - 413 represents P Zone

Interval 619.9 - 626.7 & 635.4 - 639.3 represents B Zone south (?).

DIAMOND DRILL RECORD

PROPERTY Purdex Project

HOLE No. 88-1)DH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected
Collar		-58
200		53
400		54
600		54
698		53.5

Hole No. 49 Sheet No. 1 of 19

Section

Date Begun 88-12-12-2100

Date Finished 88-12-15-1500

Date Logged

Lat.

Dep.

Bearing 212° az

Elev. Collar

Total Depth 698'

Logged By B. Meyer

Claim

Core Size B.Q.

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE				
0	6.0		Overburden								
6.0	23.5	99%	Metasediments: light to medium grey, silty, argillaceous, thin bedded and laminated								
			Orientation:								
			31° @ 21'								
			Core:								
			6-13 v. blky; 21.5-23.5 very blocky								
			Sulfides:								
			6-23.5 tr-1% po>py(cp) (micles, stgc)								
23.5	39.8	99%	Quartz-feldspar Porphyry: 23.5-35.8 crowded porphyry								
			Stringers:								
			30.0-33.5 qtz smoky grey (mod)								
			Alteration:								
			23.5-35.8 chlor-arg (mod)								
			31.5-33.5 limonitization (mod)								
			35.8-39.8 argillic: fdspr grains (mod)								
			Orientation:								
			23.5-33.8 unoriented								
			33.8-39.8 oriented 34° @ 37'								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 2 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Core:								
			23.5-27.4 }								
			30.0-34.0 } very blocky.								
			Sulfides:	49391	28.0	30.0	2.0	.008	Tr		
			none.	49392	30.0	32.0	2.0	.002	Tr		
				49393	32.0	33.5	1.5	Tr	Tr		
39.8	50.1	100%	Metasediments: beaded, interbedded	49394	33.5	35.5	2.0	.002	.04		
			light grey and dark grey.								
			Stringers:								
			45.0-50.1 carb (qtz) (sparse)								
			Orientation:								
			29° @ 44.5'								
			Core:								
			45.0-46.6 slightly blocky								
			Sulfides:								
			none								
50.1	62.5	100%	Quartz-Feldspar Porphyry								
			Stringers:								
			50.1-55.3 qtz (sill to ca.) (mod.)								
			57.0-59.3 qtz (lat) (dense)								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 3 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			61.4 - 62.5 qtz (but) (mod)								
			Alteration:	49395	50.1	53.1	3.0	.002	.14		
			50.1 - 56.6 sil - chlor (mod; pervasive)	49396	53.1	56.1	3.0	Tr	Tr		
			56.6 - 59.3 sil (mod)	49397	56.1	59.1	3.0	.002	Tr		
			59.3 - 62.5 sil - chlor (mod)	49398	59.1	61.1	3.0	Tr	Tr		
			Disruption:	49399	61.1	62.5	1.4	.002	.02		
			57.0 - 59.3 strong (clt, x-cut stages)								
			Core:								
			competent								
			Sulfides:								
			none.								
62.5	65.1	100%	Metasediments								
			Orientation:								
			23° @ 63'								
			Core:								
			competent.								
			Sulfides:								
			none								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1111-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 4 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
65.7	74.2	100%	Quartz - Feldspar Porphyry: crowded porphyry.				
			Stringers:				
			65.7 - 68.2 qtz (mod)				
			70.6 - 74.2 qtz (mod)				
			Alteration:				
			65.7 - 66.8 sil (wk; patchy)				
			Orientation:				
			unoriented				
			Core:				
			competent				
			Sulfides:				
			65.7 - 74.2 tr py (diss)				
74.2	92.0	100%	Metasediments:				
			Stringers:				
			81.2 - 83.7 qtz (but) (sparse)				
			91.3 - 92.0 qtz-carb (mod)				
			Alteration:				
			87.3 - 88.6 chlor (mod)				
			Orientation:				
			30° @ 87'				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 5 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Core:								
			28.5 - 79.6 mod. blocky								
			90.0 - 92.0 mod blky								
			Sulfides:								
			87.3 - 88.6 10-15% py (clste, micloss)	49400	85.3	87.3	2.0	.002	.06		
				49401	87.3	88.6	1.3	.006	Tr		
			88.6 - 89.5 tr po-py (micloss)	49402	88.6	91.1	2.5	.002	Tr		
			91.1 - 92.0 3-5% py(po) (clste, micloss)	49403	91.1	92.0	0.9	.002	Tr		
				49404	92.0	93.5	1.5	Tr	.02		
92.0	146.2	100%	Quartz-Feldspar Porphyry: parts crowded porphyry.								
			Dikes:								
			120.5 - 123.7 } Lamprophyre: dark green, aphanitic - very fine grained biotite,								
			125.1 - 125.6 } white calcite crystals (phenocrysts) common.								
			126.0 - 127.4 }								
			133.4 - 135.6 }								
			Qtz Vein:								
			136.2 - 138.1 white								
			Stringers:								
			92.0 - 93.6 qtz (dense)								
			129.7 - 142.0 qtz (mod)								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 6 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Alteration:								
			92.0 - 93.0 sil (mod)								
			128.3 - 130.3 sil (wk, patchy)								
			135.8 - 136.2 sil (mod)								
			138.1 - 143.3 sil - chlor (wk-mod, patchy)								
			Orientation:								
			unoriented.								
			Core:								
			108.6 - 111.0 v blky.								
			141.8 - 142.5 blky.								
			Sulfides:								
			101.4 - 120.5 tr - 1% py (dis, clsts, micles)	49405	135.2	136.2	1.0	.002	Tr		
			127.3 - 136.9 tr py (diss)	49406	136.2	138.1	1.9	.002	Tr		
			142.7 - 143.5 tr py (clsts, micles)	49407	138.1	140.1	2.0	.002	Tr		
146.2	154.5	100%	Interlayered Mafic Volcanics & Metasediments:	upper part mainly sediments with few							
			volcanic bands; lower part mainly volcanic with few sedimentary bands.								
			Stringers:								
			146.2 - 153.0 carb (qtz) (sparse-mod)								
			Alteration:								
			149.5 - 150.0 chlor (mod)								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 49 Sheet No. 2 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Orientation:								
			33° @ 153' (also bedding)								
			Core:								
			146.2 - 149.7 blky								
			Sulfides:								
			146.2 - 147.6 3-5% py (stgr, micln)	49408	146.1	147.7	1.6	.002	.02		
			147.6 - 149.8 1-3% py (stgr, micln, dis)	49409	147.7	149.8	2.1	.002	Tr		
			151.1 - 153.5 1-2% po>py (micln)								
154.5	218.9	100%	Mafic Volcanics								
			Stringers:								
			157.6 - 161.6 carb(qtz) (sperse)								
			162.5 - 198.3 carb(qtz) (sperse)								
			190.3 - 211.0 qtz (sperse)								
			Alteration:								
			186.3 - 186.7 sil (mod)								
			Orientation:								
			30° @ 168' 33° @ 218'								
			Core:								
			competent.								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1)11H-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 8 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			Sulfides:				
			155.3 - 156.3 1-2% po>py (micbs, diss)				
			164.5 - 175.2 1-2% po>py (stgr, micbs)				
			208.0 - 212.8 tr-1% po>py (stgr, micbs)				
218.9	394.0		Quartz-Feldspar Porphyry: light grey, aphanitic - very fine grained granodiorite, anhedral - spheroid quartz phenocrysts, sparse scattered feldspar phenocrysts; 282.3 - 342.6 crowded porphyry.				
			Dikes:				
			289.4 - 290.8 } Lamprophyre.				
			293.6 - 295.8 }				
			Qtz Veins:				
			349.0 - 353.3 (sb// to c.a. v thn vein)				
			368.3 - 369.3 (sb// to c.a. v lt gy)				
			375.5 - 386.1 (smoky grey)				
			Stringers:				
			225.3 - 228.3 carb(qtz) (sparse)				
			239.0 - 262.0 qtz; qtz(carb) (sparse)				
			270.3 - 280.7 qtz; qtz(carb) (sparse)				
			282.3 - 315.4 qtz (sparse)				
			323.4 - 337.5 qtz (v lt gy) (sparse)				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 9 of 19
Section _____
Date Begun _____
Date Finished _____
Date Logged _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By _____
Claim _____
Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			354.5 - 357.8 qtz (fourcm) (sh// to ca.) (mod)				
			Alteration:				
			282.3 - 288.9 sil (mod - strong)				
			288.9 - 312.8 sil - arg. (wk, few mod patches)				
			312.0 - 319.1 sil (mod)				
			354.5 - 357.9 chlor - sil (mod)				
			366.8 - 368.3 sil - chlor (mod - strong)				
			374.0 - 375.5 sil - chlor - hem (mod)				
			386.1 - 394.0 felds - chlor - hem - sil (mod)				
			Orientation:				
			218.9 - 280.0 unoriented				
			280.0 - 314.0 suboriented; 38° @ 282' 33° @ 294'				
			314.0 - 375.5 unoriented				
			386.1 - 394.0 oriented; 38° @ 390'				
			Core:				
			264.1 - 266.0 sl blky				
			300.0 - 301.0 sl blky				
			375.5 - 377.3 sl blky				
			382.0 - 386.0 sl blky				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 2 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Sulfides:								
			219.3 - 240.0 tr py (diss, occ. mclas)								
			244.3 - 249.8 tr py (" ")								
			276.4 - 282.3 tr py (" ")								
			282.3 - 301.0 tr py (diss)	49410	282.3	285.3	3.0	.002	Tr		
				49411	285.3	288.3	3.0	.002	Tr		
				49412	288.3	289.4	1.1	.002	Tr		
			330.6 - 331.5 tr po>py (diss, c/s tr)								
			338.8 - 342.2 1-2% po>py (c/s tr, diss)								
			355.0 - 357.8 3-5% po>py (cp, asp) (c/s tr, mclas)	49413	347.5	349.0	1.5	.046	Tr		
				49414	349.0	351.1	2.1	.476	.16		
				49415	351.1	353.3	2.2	2.142	.36		
				49416	353.3	354.5	1.2	.486	.35		
				49417	354.5	356.2	1.7	.060	.36		
				49418	356.2	357.8	1.6	.056	.22		
				49419	357.8	359.3	1.5	.004	Tr		
			367.5 - 369.3 2-3% po>py (cp, asp) (c/s tr, mclas)	49420	366.7	368.3	1.6	.040	.20		
				49421	368.3	369.3	1.0	.724	.08		
				49422	369.3	370.8	1.5	.128	Tr		
			380.7 - 385.6 cc py (diss)	49423	374.0	375.5	1.5	.006	.03		
				49424	375.5	377.5	2.0	.214	.14		

DIAMOND DRILL RECORD

PROPERTY

HOLE No. 88-DDH-49

DIP TEST

Footage	Angle Reading	Angle Corrected

Hole No. Sheet No. 11 of 19
Section
Date Begun
Date Finished
Date Logged
Lat.
Dep.
Bearing
Elev. Collar
Total Depth
Logged By
Claim
Core Size

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag	As %
				49425	377.5	379.5	2.0	.010	Tr	
				49426	379.5	381.5	2.0	.018	Tr	
				49427	381.5	383.5	2.0	.278	.14	
				49428	383.5	386.1	2.6	.076	.02	.01
			385.8 - 386.4 1-2% po>py-asp (dlsle, muchs)	49429	386.1	387.6	1.5	.006	Tr	.01
394.0	560.1		Mafic Volcanics:							
			Qtz Vein:							
			399.6 - 400.0 v lt gy.							
			Stringers:							
			394.0 - 404.6 carb(qtz) (mod - dense)							
			396.5 - 414.2 qtz (sparse)							
			405.7 - 413.4 carb(qtz) mod - dense							
			407.1 - 408.4 qtz (mod)							
			414.3 - 421.5 carb(qtz) (mod - dense)							
			421.5 - 427.2 carb(qtz) (sparse)							
			427.2 - 431.5 carb(qtz) (mod)							
			431.5 - 435.1 carb(qtz) (sparse)							
			437.4 - 456.8 carb(qtz) (sparse - mod)							
			456.8 - 464.6 carb(qtz) (sparse)							
			517.2 - 529.1 carb(qtz) sparse							

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1111-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. _____ Sheet No. 12 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			534.5 - 549.4 carb (qtz) (mod)				
			546.5 - 548.1 qtz (mod - dense)				
			558.5 - 560.1 carb (qtz) (mod)				
			Alteration:				
			394.0 - 403.6 chlor (wk)				
			421.6 - 424.8 chlor (mod; pervasive)				
			535.4 - 538.4 chlor - carb (mod)				
			538.8 - 542.6 biot - carb (wk - mod)				
			542.6 - 546.0 chlor (wk)				
			Disruption:				
			396.3 - 398.0 mod (stge, alt)				
			398.8 - 400.2 mod (vein, stge, alt, brec)				
			402.1 - 413.2 mod (stge, mnr brec)				
			415.3 - 416.8 wk (stge)				
			419.0 - 421.2 wk (stge)				
			Orientation:				
			34° @ 405' 45° @ 512'				
			25° @ 424' 48° @ 521'				
			39° @ 453' 48° @ 560'				
			33° @ 474'				

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY ______________________ **HOLE No.** 88-DDH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 49 **Sheet No.** 13 of 19
Section ______
Date Begun ______
Date Finished ______
Date Logged ______
Lat. ______
Dep. ______
Bearing ______
Elev. Collar ______
Total Depth ______
Logged By ______
Claim ______
Core Size ______

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag	As%	
			Core:								
			394.0 - 461.0 competent								
			461.0 - 463.3 sl blky								
			486.0 - 482.5 sl blky								
			518.2 - 520.0 sl blky								
			527.6 - 528.7 blky								
			535.5 - 537.0 sl blky								
			545.7 - 547.0 blky								
			552.9 - 554.5 blky								
			Sulfides:								
			394.0 - 397.0 2-3% po-asp(py) (diss, clstc)	49430	392.5	394.0	1.5	.004	Tr		
				49431	394.0	397.0	3.0	.018	.18	1.01	
			397.0 - 404.5 tr po-asp-py (diss)	49432	397.0	400.0	3.0	.002	Tr		
				49433	400.0	403.0	3.0	.004	.08		
				49434	403.0	404.5	1.5	.006	Tr		
			404.5 - 409.4 3-5% po>>py-cp(clstc, dissem)	49435	404.5	407.0	2.5	.002	Tr		
				49436	407.0	409.4	2.4	.008	.09		
			409.4 - 413.3 5-8% po>>py-cp(clstc, melas, stgr, diss)	49437	409.4	411.4	2.0	.004	Tr		
				49438	411.4	413.3	1.9	.012	.03		
			413.3 - 421.2 tr po-py (diss)	49439	413.3	416.3	3.0	.002	.48		
				49440	416.3	418.0	1.7	.018	Tr		

DIAMOND DRILL RECORD

PROPERTY ______________ HOLE No. 88-DDH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. ______ Sheet No. 14 of 19 Lat. ______ Total Depth ______
Section ______ Dep. ______ Logged By ______
Date Begun ______ Bearing ______ Claim ______
Date Finished ______ Elev. Collar ______ Core Size ______
Date Logged ______

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			424.8 - 427.2 2-3% po>py (strgr, mclns)	49441	423.3	424.8	1.5	.004	.04		
				49442	424.8	427.8	3.0	.002	Tr		
			427.2 - 456.7 1-3% po>py (strgr, mclns, diss)	49443	427.8	430.8	3.0	.004	Tr		
				49444	430.8	433.8	3.0	.012	Tr		
				49445	433.8	436.8	3.0	.004	Tr		
				49446	436.8	439.8	3.0	.010	Tr		
				49447	439.8	442.8	3.0	.004	.20		
				49448	442.8	445.8	3.0	.008	Tr		
				49449	445.8	448.8	3.0	.008	Tr		
				49450	448.8	451.8	3.0	.020	Tr		
				49451	451.8	454.8	3.0	.004	.08		
				49452	454.8	457.8	3.0	.002	Tr		
			459.7 - 461.2 2-4% po>>py (strgr, mclns, diss)								
			461.2 - 476.8 tr po-py (diss, mclns)								
			476.8 - 507.9 tr - 1% po>>py (dis, mclns strgr)								
			507.9 - 520.4 1-2% po>>py (diss, mclns, strgr								
			542.6 - 544.9 2-4% po>py (strgr, clstr, mclns, diss	49453	542.6	545.0	2.4	.002	.02		
				49454	545.0	546.6	1.6	.002	Tr		
			546.6 - 547.6 5-7% py-po (clstr, strgr)	49455	546.6	547.6	1.0	.002	Tr		
			547.6 - 560.1 1-2% po> py (mclns, diss, strgr)	49456	547.6	549.1	1.5	.002	Tr		

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1)111-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 49 Sheet No. 15 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
560.1	619.9		Quartz-Feldspar Porphyry: light brown-grey, aphanitic - very fine grained groundmass, scattered subhedral - euhedral feldspar phenocrysts, euhedral - spheroid qtz phenocrysts common.								
			Stringers:								
			560.8 - 619.9 carb(qtz) (sparse)								
			Alteration:								
			562.2 - 577.2 sil (wk-mod; patchy)								
			592.9 - 600.3 sil (wk-mod; patchy)								
			Orientation:								
			unoriented.								
			Core:								
			560.8 - 561.9 blky								
			594.6 - 595.0 spun								
			596.3 - 597.0 blky (part missing?)								
			Sulfides:								
			560.1 - 619.9 tr-1% py-po (diss)	49457	618.4	619.9	1.5	.002	.02		
619.9	626.7	100%	Mafic Volcanics: light-medium grey, aphanitic, banded colors.								
			Qtz Vein:								
			621.5 - 622.3								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 82 DDH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 49 Sheet No. 16 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Stringers:								
			619.9 - 621.5 qtz; carb(qtz) (mod. dense)								
			622.3 - 626.7 sulfides (dense)								
			qtz (sparse)								
			Alteration:								
			622.5 - 626.7 chlor (mod. strong)								
			Description:								
			619.9 - 626.7 mod. (alt. stgr, vein, sulfides)								
			Orientation:								
			42° @ 624'								
			Core:								
			competent								
			Sulfides:								
			619.9 - 621.5 4-6% po>>cp(py) (stgr, clot, vein)	49458	619.9	621.5	1.6	.004	.02		
			621.5 - 622.3 5-7% po-py-cp (clot)	49459	621.5	622.3	0.8	.002	Tr		
			622.3 - 626.7 15-20% po>>cp-py (clot, band, stgr)	49460	622.3	624.3	2.0	.006	Tr		
				49461	624.3	626.7	2.4	.026	.24		

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-DDH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 49 Sheet No. 17 of 19
Section _____
Date Begun _____
Date Finished _____
Date Logged _____

Lat. _____
Dep. _____
Bearing _____
Elev. Collar _____

Total Depth _____
Logged By _____
Claim _____
Core Size _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
626.7	635.4	100%	Quartz-Feldspar Porphyry: medium grey, phenocrysts common.								
			Stringers:								
			626.7 - 635.4 carb(qtz) (mod)								
			Orientation:								
			unoriented.								
			Core:								
			competent								
			Sulfides:								
			626.7 - 635.4 tr py-po (diss)	49462	626.7	628.2	1.5'	.002	.04		
				49463	633.9	635.4	1.5'	.002	Tr		
635.4	675.7	100%	Mafic Volcanics: dark green, aphanitic.								
			Stringers:								
			635.4 - 639.3 sulfides (mod-dense; bands?)								
			640.0 - 675.7 carb(qtz) (sparse)								
			Alteration:								
			635.4 - 637.1 chlor (mod)								
			638.3 - 639.1 chlor (mod)								
			Disruption:								
			636.2 - 637.0 mod (microfolded, shear)								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1111-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 49 Sheet No. 18 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au	Ag		
			Orientation:								
			41° @ 638'								
			41° @ 665'								
			Core:								
			674.0 - 675.6 blky.								
			Sulfides:								
			635.4 - 637.0 20-25% po>>py-cp(stgr, dstr bnd?)	49464	635.4	637.0	1.6	.022	.08		
			637.0 - 639.4 5-10% po>>py cp (stgr, dstr, mod)	49465	637.0	639.4	2.4	.010	.15		
			639.4 - 642.0 tr-1% py-po (diss)	49466	639.4	640.9	1.5	.002	Tr		
675.7	690.2	100%	Quartz-Feldspar Porphyry								
			Stringers:								
			675.7 - 690.2 carb(qtz) (sparse)								
			677.3 - 684.4 qtz (sparse)								
			Alteration:								
			682.0 - 690.2 chlor(wk) in frac								
			Orientation:								
			unoriented								
			Core:								
			675.7 - 677.0 blky.								
			681.1 - 685.0 blky								

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY _____ HOLE No. 88-1)DH-49

DIP TEST		
	Angle	
Footage	Reading	Corrected

Hole No. 49 Sheet No. 19 of 19 Lat. _____ Total Depth _____

Section _____ Dep. _____ Logged By _____

Date Begun _____ Bearing _____ Claim _____

Date Finished _____ Elev. Collar _____ Core Size _____

Date Logged _____

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE
			Sulfides:				
			675.7 - 679.0 tr py (diss)				
690.2	698.0	100%	Lamprophyre Dike: medium grey-brown, very fine grained.				
			Stringers:				
			690.2 - 692.0 carb(qtz) (mod)				
			Orientation:				
			43° @ 692'				
			Sulfides:				
			none.				
			End of 88-1)DH-49 698.0 ft.				

NEVILLE CROSBY INC.

APPENDIX IV

REPORT ON THE

PURDEX PROPERTY

KENORA MINING DIVISION, ONTARIO

NTS 52 E / 11 NE

Latitude 49° 43' N
Longitude 95° 05' W

for

JALNA RESOURCES LIMITED
Suite A17, 6120-2nd Street SE
Calgary, Alberta T2H 2L8

by

J. N. Schindler, Ph.D., P.Geol.
Schindler Exploration Consultants Ltd.
22 Lake Christina Close SE
Calgary, Alberta

February 16, 1988

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SUMMARY

Jalna Resources Limited holds an option to acquire a 100% interest in the Purdex Property, comprising seven leasehold mineral claims, located west of Kenora, Ontario near the Manitoba border.

The property occurs within the northern marginal region of the Wabigoon Greenstone Belt in an area of numerous gold prospects and deposits.

The Purdex Property is centered over the Purdex deposit, which consists of a series of quartz vein structures associated with the contact of a felsic porphyry sill. Six mineralized shoots are indicated within four northwesterly trending lensoid to apparently tabular vein zones. In 1958, Purdex Resources Limited calculated the drill indicated reserves to be 76,500 tons grading 0.32 ounces gold per ton to depths of 170 to 325 feet with average vein widths of 4.6 to 7.7 feet. The writer concurs with more recent estimates of diluted drill indicated reserves by Jalna Resources Limited of 91,000 tons grading 0.26 ounces gold per ton to depths of 160 to 350 feet with an average vein width of 7.2 feet. This reserve includes an undiluted 70,000 tons grading 0.30 ounces gold per ton in five of the shoots plus an additional 12,000 tons grading 0.20 ounces gold per ton in a sixth shoot. All mineralized zones are open at depth. Good exploration potential exists for enlarging the near surface reserves, for extending the known zones at depth, and for discovery of new zones along the favourable intrusive contact.

A phased program is proposed to evaluate the reserve potential of the deposit, comprising Phase I, confirmation diamond drilling; Phase II, ground geophysical surveying, mapping, trenching and sampling and shallow diamond drilling; and Phase III, deep diamond drilling. Objectives of these programs will be to identify additional drill targets, to better define and expand the known reserves, and to test additional drill targets by drilling in order to evaluate new potential gold zones. Estimated costs of the proposed program are as follows:

Phase I	Confirmation diamond drilling (1,000 feet in 4 holes) ----------	$ 50,000
Phase II	Geophysical surveying, mapping, trenching and sampling, and shallow diamond drilling (2,000 feet in 12 holes) ----------	315,000
Phase III	Deep diamond drilling (6,000 feet in 10 holes) ----------	315,000
	TOTAL	$680,000

INTRODUCTION

Jalna Resources Limited holds an option to acquire a 100% interest, subject to a 10% net profits interest royalty to property vendors, in the Purdex Property, consisting of seven contiguous leasehold mineral claims located west of Kenora, Ontario near the Manitoba border.

In January, 1988, Mr. George M. Leary, president of Jalna Resources Limited, Calgary, Alberta, commissioned Schindler Exploration Consultants Limited to evaluate the economic potential of the Purdex Property and to recommend an exploration program for the property. As part of this evaluation, a review of government and private reports was conducted, the results of which are embodied in this report.

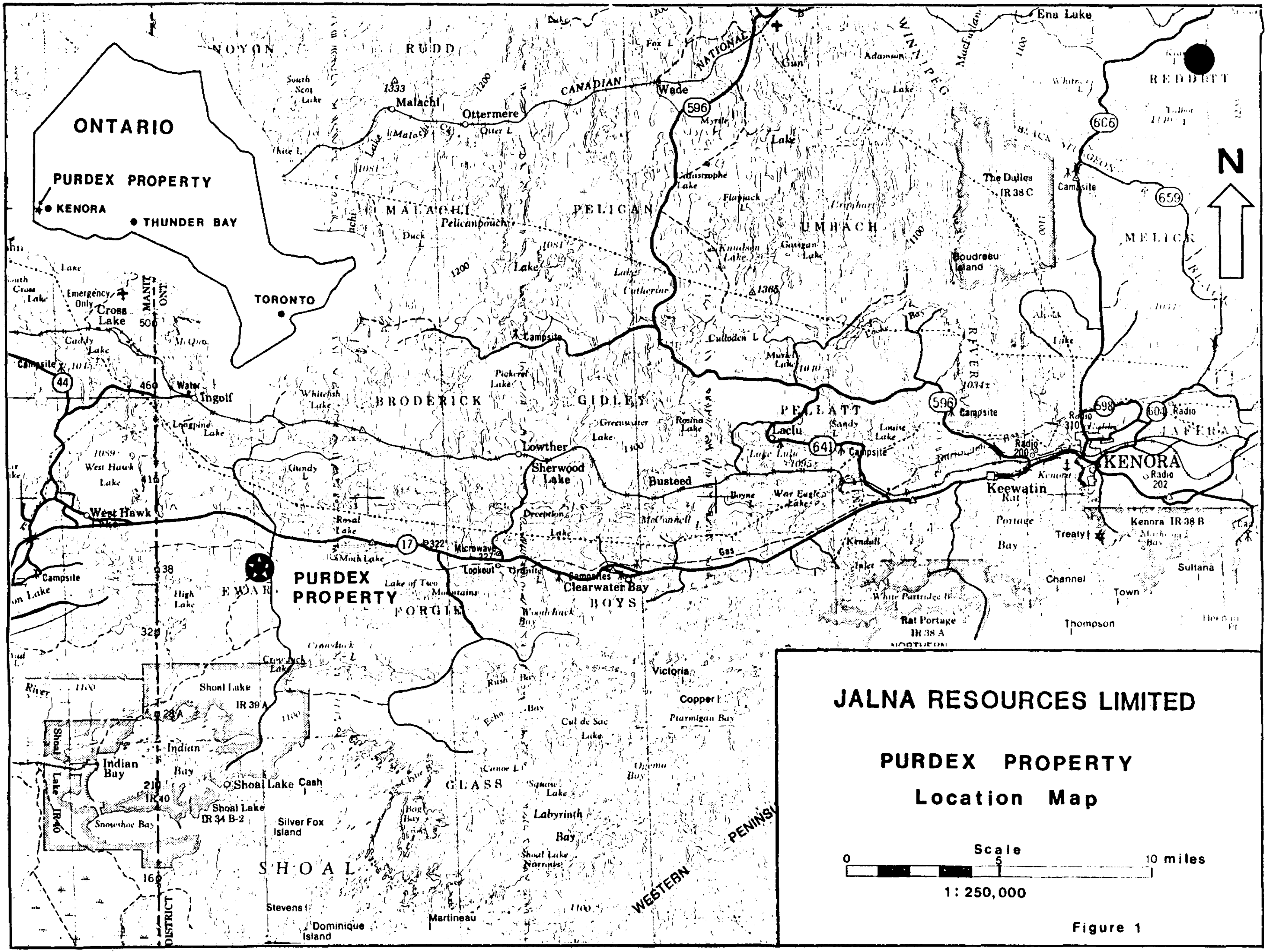
A field examination was not carried out as part of this evaluation, since it was considered impractical due to current winter snow conditions. The author has never personally examined the property. An examination during prior summer field seasons was not undertaken as Jalna had insufficient financial resources to commission the author to undertake same.

LOCATION, ACCESS AND PHYSIOGRAPHY

The Purdex Property is located on the southeast side of Electrum Lake, 27 miles west of Kenora, Ontario, 1 1/2 miles south of the Trans Canada Highway and three miles east of the Manitoba boundary within Ewart Township (Figures 1 and 3b). The center of the property is situated at latitude 49° 43' north and longitude 95° 05' west.

The property is accessible by a one-half mile long winter road which leads westerly off the all-weather Shoal Lake Road, 1 1/2 miles south of the Trans Canada Highway.

A power transmission line and Canadian Pacific Railway line are located respectively 2 1/2 and 5 miles north of the property.



JALNA RESOURCES LIMITED

PURDEX PROPERTY
Location Map

Figure 1

The region of the property exhibits the low relief characteristic of the Canadian Shield. The property is characterized by low rounded hills, with relief of up to 50 feet, exhibiting good outcrop exposure. Swampy areas of low relief are restricted to local drainages and the margins of Electrum Lake.

PROPERTY (CLAIMS)

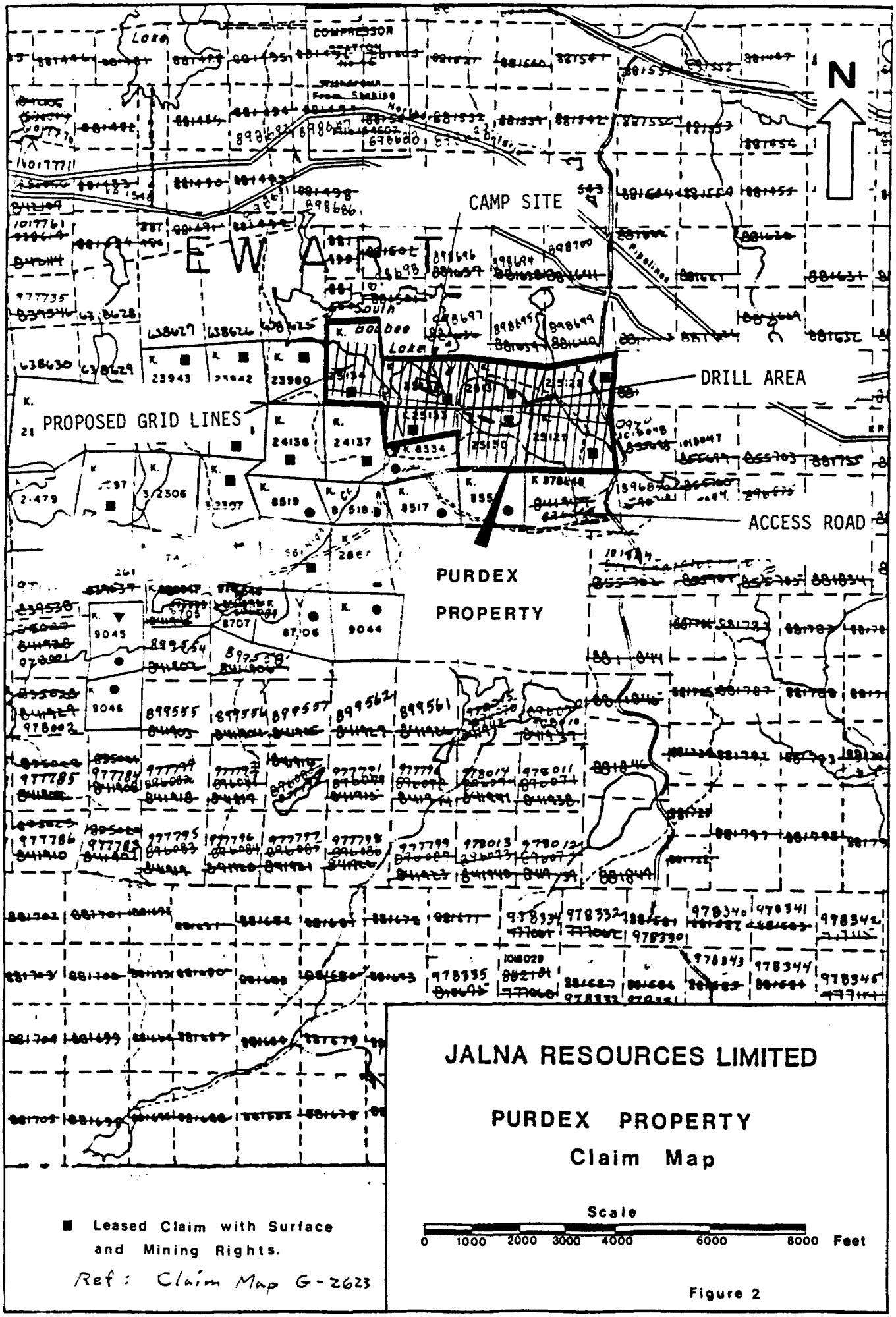
The Purdex Property consists of seven contiguous leasehold mineral claims comprising 279.35 acres covering an east-west elongate rectangular block measuring approximately 1/2 mile by 1 1/4 miles (Figure 2). The claims are detailed in Table 1. The mining leases held on the claims are 21-year renewable leases.

TABLE 1: Leasehold Mineral Claims

Leasehold Parcel	Mining Claim	Mining Lease	Lease Anniversary
2411	K. 25128	100436	March 1, 2007
2410	K. 25129	100435	March 1, 2007
2398	K. 25130	100056	Jan. 1, 2006
2399	K. 25131	100057	Jan. 1, 2006
2427	K. 25132	101281	*Dec. 1, 2008
2428	K. 25133	101280	*Dec. 1, 2008
2429	K. 25134	101279	*Dec. 1, 2008

*Currently in process of being renewed to date shown by the Ontario Ministry of Natural Resources.

Jalna Resources Limited currently holds the above leasehold mining claims under option, whereby it can purchase a 100% interest in the property subject to a 10% net profits interest royalty.


N
CAMP SITE
DRILL AREA
PROPOSED GRID LINES
ACCESS ROAD
PURDEX
PROPERTY
JALNA RESOURCES LIMITED
PURDEX PROPERTY
Claim Map
Scale
0 1000 2000 3000 4000 6000 8000 Feet
■ Leased Claim with Surface and Mining Rights.
Ref: Claim Map G-2623
Figure 2

HISTORY OF THE AREA

History of exploration and mine development in the Kenora region until the mid-1970's has been summarized by Richard C. Beard and Glen L. Garratt in Ontario Division of Mines, Mineral Deposit Circular 16, 1976, as follows:

History of Gold Mining and Exploration

> Although the Kenora-Fort Frances area has no producing gold mines at the time of writing, the area does have a long and colourful history of gold mining, dating back to the mid-1800's. This activity occurred largely during two periods, from 1890 to 1910 when the area accounted for over 55 percent of Ontario's gold production and from 1934 to 1943.
>
> While mining operations actually began as early as 1852, little real development occurred before 1885. These very early operations reportedly involved rather large expenditures of money, but no significant production was realized. During the years 1885 to 1895, a large number of gold discoveries were made and many properties were brought into production during what became known as the "Lake of the Woods Gold Rush." Production peaked in 1899 with production coming largely from the operations at the Sultana, Regina, and Mikado Mines.
>
> By the end of 1900, a large number of mines had closed down. Some properties were worked intermittently until 1912 when practically all activities ceased. The discovery and initial development of the Porcupine gold fields probably played an instrumental role in the decline.
>
> The second major period of activity, in the late 1930's and early 1940's, was brought on by the revaluation of gold in 1934. During this period, gold production from the area was worth over three and a half million dollars ($3,500,000), almost 70 percent of which came from the Wendigo Mine, southeast of Kenora.
>
> From the late 1940's on, gold exploration in the area was secondary to the search for base metals until the sudden rise in the price of gold in 1973. Interest was then renewed in many of the old mines and prospects of the area and a number of exploratory development programs were undertaken. The Cameron Island (Duport) Mine at

Shoal Lake, the Sultana Mine, and the Gull Island occurrance in Lake of the Woods, the Golden Star Mine near Mine Centre, and a number of deposits in the Dogpaw Lake area all received attention during 1973 to 1975. Several other properties were also re-examined in 1975 but to date results have not led to plans for production.

Of the 27 past-producing mines listed in the compilation, 13 are located in the Shoal Lake-Lake of the Woods area. In decreasing order of reported production, these are: Wendigo, Mikado, Sultana, Regina, Cameron Island, Cornucopia, Kenricia, Ophir, Gold Hill, Olympia, Golden Horn, Champion, and Crown Point. With the exception of the Kenricia, all these were broght into production during the early period of activity, between 1886-1906. The first seven also produced during the later period.

In the Manitou Lakes-Gold Rock area, a number of deposits were developed during the early period, 1890 to 1910. A government road from the town of Goldrock to Minnehaha Lake, together with a dam which raised the water level and allowed better navigation of the entire chain of lakes, facilitated extensive exploration of the area and a minor boom continued until about 1912. The Laurentian, Big Master, and Twentieth Century Mines were brought to production and accounted for the greater part of the production from the area during the early years. The Big Master was reopened during the later period, adding to production from the Straw Lake Beach and Elora Mines in the same area.

In the Mine Centre-Bad Vermilion Lake area, production came from the Golden Star, Olive, and Foley Mines during both periods of activity. The Independence Mine produced only slightly over 100 ounces of gold during the early period and failed to reopen in later years.

With the advent of gold prospecting and discoveries in the Lake of the Woods and Mine Centre areas, exploration extended to the Eagle Lake area about 1901. With the exception of the Baden Powell, Bonanza, and Redeemer Mines, which together produced only about 600 ounces of gold, attempts to develop other discoveries into mines failed.

Also around 1900, the area northeast of Kawashegamuk Lake gained interest and was dubbed "the New Klondike." The Sakoose Mine, the only significant producer, became

the center of activity for this area. Production from the Sakoose was resumed in 1945 and 1947.

Minor production was obtained from the Violet Mine north of Rowan Lake around 1900.

Total reported production from the 27 producers shown on Chart A (see back pocket) was about 180,000 ounces of gold. Of this amount, about 75 percent came from 13 mines of the Shoal Lake-Lake of the Woods area. Three mines, the Wendigo, Mikado, and Sultana, were responsible for approximately 63 percent of the total reported production.

Renewed emphasis on gold exploration from the mid-1970's to date has resulted in the delineation of several new major gold deposits in the region, including the Cameron Island (Duport Mine) deposit (Consolidated Professor Mines - Conwest Exploration Co. Ltd.), Cameron Lake deposit (Echo Bay Mines - Nuinsco Resources) and Mikado-Cedar Island deposit (St. Joe Gold). Major underground development programs are currently in progress on both the Cameron Island and Cameron Lake deposits.

HISTORY OF THE PROPERTY

History of the Purdex Property as documented by various sources and cited in the "Bibliography" together with work carried out by Jalna Resources Limited is summarized as follows:

Year	Company	Work Done
1951	San Antonio Gold Mines	Drilling and sampling.
1953	Barymin Company Limited	Geological mapping and trenching.
1956	C. A. Alcock and A. Duncan	Drilled four short holes totalling 506 feet.
1958	Purdex Minerals Limited	Geological mapping, trenching and 8582 feet of diamond drilling in 33 holes.

Year	Company	Work Done
1960	Electrum Lake Gold Mines Limited	Held under option but did no work.
1965-66	Steep Rock Iron Mines Ltd.	Induced polarization surveying.
1970	Croydon Mines Ltd.	Induced polarization surveying.
1973-74	Hanson Mines Limited	Drilled two short diamond drill holes.
1980-81	Sherritt Gordon Mines Ltd.	Completed magnetic and EM surveying, geological mapping and trench sampling, and prepared level plans and cross sections of the deposit.
1982	Jalna Resources Limited	Preliminary geological mapping and evaluation of drill area.

Primarily as a result of the leasehold status of the property, most of the work carried out in the past is not in the public records. Data currently available is limited to drill logs (i.e. Alcock-Duncan in 1956 and Purdex Minerals Ltd. in 1958), surface geological maps (i.e. Purdex Minerals Ltd. in 1958 and Sherritt Gordon Mines Ltd. in 1980-81) and geophysical maps (i.e. Sherritt Gordon Mines Ltd. in 1980-81).

REGIONAL GEOLOGY

The Purdex Property is located within and near the northern margin of the Wabigoon Greenstone Belt comprised of Archean ultramafic to felsic meta-volcanic and minor meta-sedimentary rocks and granitic to ultramafic intrusion bodies (Figure 3a). Numerous vein-type gold deposits, particularly associated with the contacts of granitic stocks and batholiths, are known along the northern margin of the Wabigoon belt in the Kenora region. Several of these deposits have been in production in the past, as outlined in "History of the Area." Also, disseminated gold deposits in pyritic felsic tuffs are characteristic of at least one deposit in the region--namely the Cameron

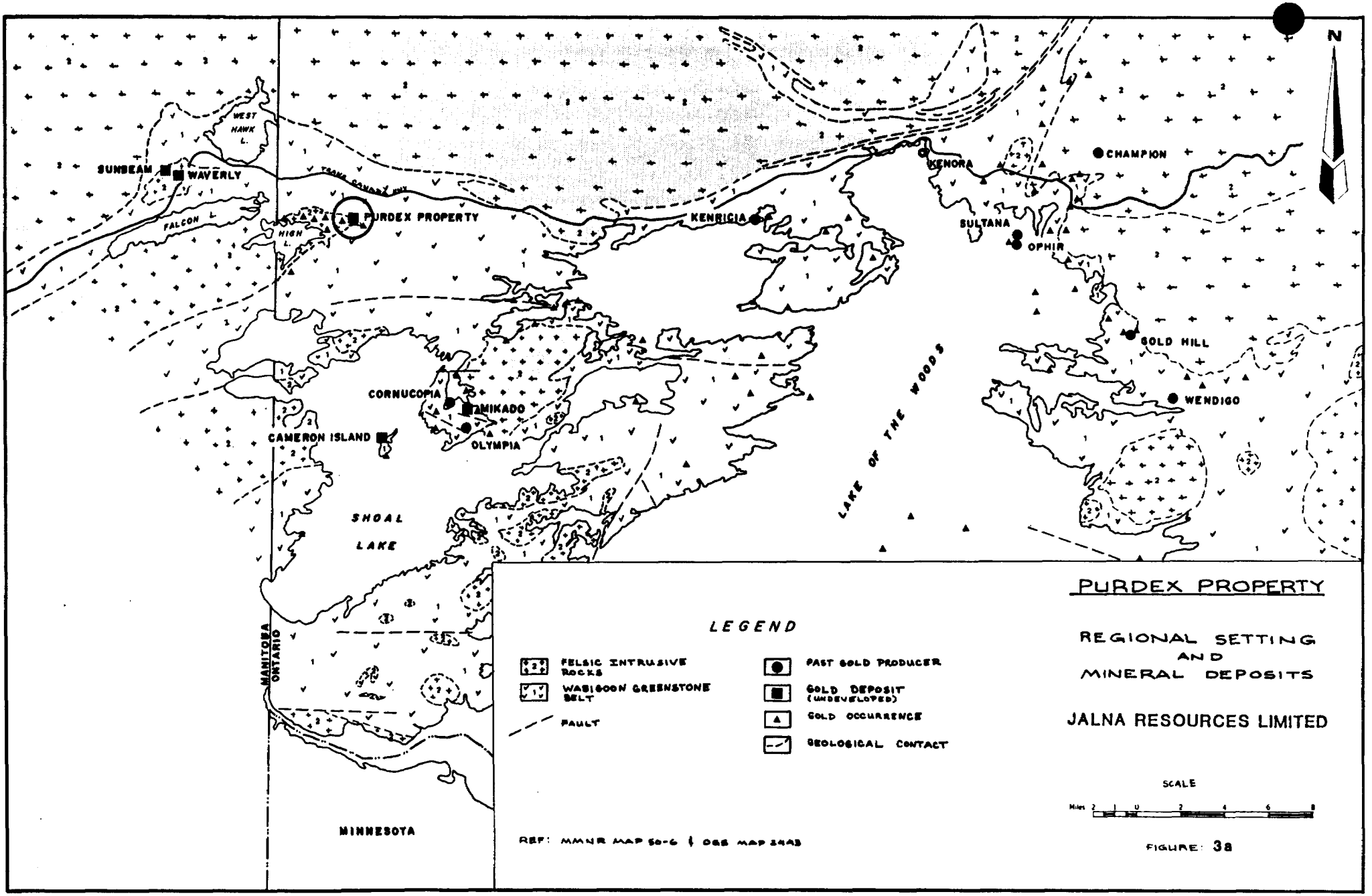

N
WEST HAWK L.
SUNBEAM
WAVERLY
TRANS CANADA HWY
FALCON L.
HIGH L.
PURDEX PROPERTY
KENRICIA
KENORA
CHAMPION
SULTANA
OPHIR
GOLD HILL
WENDIGO
LAKE OF THE WOODS
CORNUCOPIA
MIKADO
OLYMPIA
CAMERON ISLAND
SHOAL LAKE
MANITOBA
ONTARIO
MINNESOTA
LEGEND
FELSIC INTRUSIVE ROCKS
WABIGOON GREENSTONE BELT
FAULT
PAST GOLD PRODUCER
GOLD DEPOSIT (UNDEVELOPED)
GOLD OCCURRENCE
GEOLOGICAL CONTACT
REF: MMNR MAP 80-6 & OGS MAP 2443
PURDEX PROPERTY
REGIONAL SETTING AND MINERAL DEPOSITS
JALNA RESOURCES LIMITED
SCALE
Miles 2 1 0 2 4 6 8

FIGURE: 3a

Island deposit. A number of major deposits of gold occur in the immediate vicinity of the Purdex property, as follows:

Sunbeam: 110,000 tons grading 0.256 ounces gold per ton; pipe-like silicified body within a differentiated gabbro-quartz diorite stock (Springer, G. D., Manitoba Dept. of Mines and Natural Resources Mines Branch, Publication 50-6, 1952, pp. 14-15; Davies, J. F., Manitoba Dept. of Mines and Natural Resources Mines Branch, Publication 53-4, 1954, pp. 21-24; and National Mineral Inventory, Au. 3, 52E/11, Manitoba).

Waverley: 294,000 tons grading 0.35 ounces gold per ton; silicified shear zone along the contact of a differentiated gabbro-quartz diorite stock (National Mineral Inventory, Au.2, 52E/11, Manitoba; and Davies, J. F., Manitoba Dept. of Mines and Natural Resources Mines Branch, Publication 53-4, pp. 21-24).

Cameron Island (Duport Mine or Shoal Lake): 1,500,000 tons grading 0.34 ounces gold per ton; two subparallel zones characterized by stratiform disseminations of pyrite, arsenopyrite and gold in felsic tuffs. Underground development currently on-going by Consolidated Professor Mines and Conwest Exploration Co. Limited (Northern Miner, Oct. 29, 1986, pp. 1-2).

Mikado-Cedar Island: St. Joe Gold has recently announced discovery of 863,000 tons grading 0.25 ounces gold per ton over an average width of 5.5 feet (Northern Miner, Nov. 30, 1987, pp. 1-2).

The Purdex property occurs within a four mile long east-west gold belt with associated molybdenite and arsenopyrite, characterized by gold vein and local skarn type prospects and molybdenum (± copper) vein-type occurrences associated with the northeast apex of the High Lake granitic

and felsic porphyry stock which is emplaced into mafic meta-volcanic and metasedimentary rocks, herein called the Highlake Gold Belt (Davies, J. C., 1965, O.D.M. Geol. Report No. 41). Molybdenite occurs principally within the stock, whereas, gold tends to occur near the margin of the stock, principally in contact zones with the stock or in contact zones associated with an east-west trending porphyry sill and dyke swarm related to the High Lake stock. Arsenopyrite occurs in the area associated with gold, principally in one prospect (i.e. Arsenic Zone) at the east end of the belt further from the apex of the High Lake stock than all other prospects in the area. Prospects within the above apparent zoned molybdenum-gold-arsenic belt are spatially associated with a radiating set of north-northeast to east-west trending inferred faults and lineaments at the apex of the High Lake stock.

In terms of current drill-indicated reserves and potential, the Purdex deposit is considered the most significant gold prospect in the Highlake Gold Belt, and has been independently assessed to follow the Duport Mine in overall potential of known gold prospects in the Shoal Lake area (Neilson, J. N. and Bray, R. C. E., Feasibility of Small Scale Gold Mining in Northwestern Ontario, Open File Report 5332, Vol. 1, p. 22).

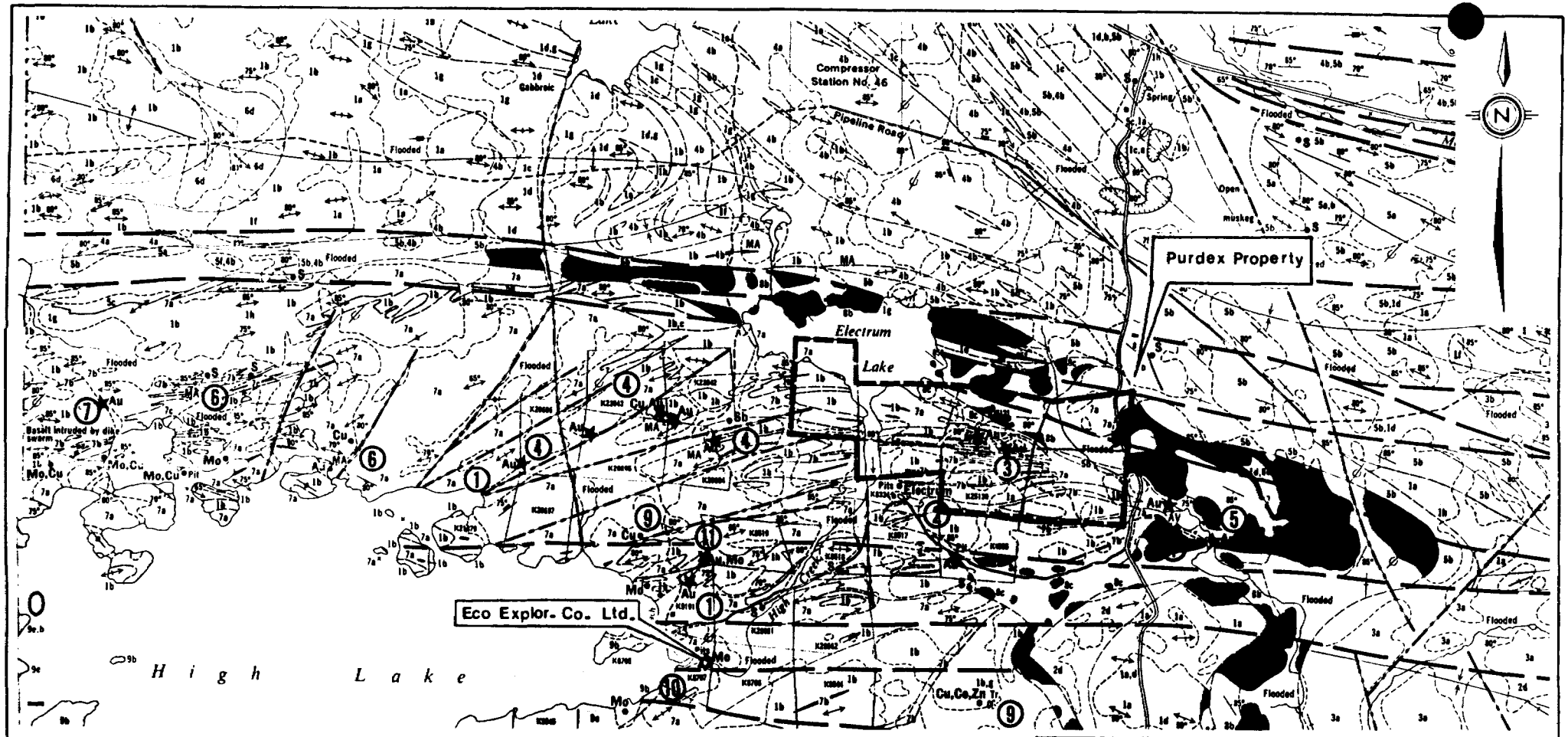
Also, within the Highlake Gold Belt, recent drilling in 1986 by Calnor Resources on gold prospects within one-half mile west of the Purdex property boundary returned some very encouraging results on a gold zone previously drilled and described as follows: "Some 36 holes intersecting the three zones along strike averaged 0.34 ounces gold per ton over an average width of nine feet" (Northern Miner, Feb. 3/1986, p. 3; Feb. 10/1986, p. 24; Feb. 17/1986, p. 3; Mar. 10/1986, p. 20). Of the molybdenum prospects in the area, the most significant is the High Lake deposit, from which some production was realized, although operations are currently shut down. The deposit had an original drill-indicated reserve of 125,000 tons grading 0.68% MoS_2 plus 625,000 tons of possible reserves (Davies, J. C., 1965, O.D.M. Geol. Report No. 41, pp. 49-51).

PROPERTY GEOLOGY, RESERVES AND POTENTIAL

The Purdex property covers a major portion of the Highlake Gold Belt where it is associated with an east-west trending porphyry dyke and sill swarm northeast of the apex of the High Lake stock (Figure 3b). A porphyry dyke and sill swarm extends easterly to east-southeasterly across the central and southern portion of the property. The Purdex deposit is associated with an embayment along the southern contact of an east-southeasterly trending porphyry sill in the central portion of the property. The deposit geology and gold zones have been described by Davies, J. C., in Geological Report No. 41, 1965, pp. 36 to 38, as follows:

> The surface geology of the A-D Property is shown in Figure 7*. Some sedimentary rocks are found about 400 feet north of the main showings, but in the mineralized zone the rocks are basic lavas intruded by quartz-feldspar porphyry. The geological contacts shown in areas of overburden are modified projections of diamond-drill intersections.
>
> The main showing consists of two stripped areas, along which there has been some trenching. A complex of quartz veins, most of which trend from within 20 degrees of N.75°W., includes numerous lenses of altered quartz porphyry and volcanic material. Much of the quartz contains tourmaline. Pyrite, ankerite, pyrrhotite and chalcopyrite are commonly associated with the tourmaline. Gold occurs with the sulphides, and also as fine to coarse, visible grains.
>
> The early drilling by Purdex (Drillholes 1A to 12A) checked the possibility of the zone continuing along the extension of the apparent strike. The two trenches of the main showing reveal that a simple structural picture is improbable for, although they are only about 50 feet apart along "strike," the intervening area is quartz porphyry containing only a few small quartz veins. The west trench trends about N.20°E., the east trench about N.20°W.; and these bearings appear to be the true strike of the mineralized zones, at least over the length of the trenches. The zones are approximately parallel to the adjacent contact between porphyry and volcanic rocks, and

*Herein as Figure 3c.



LIST OF PROPERTIES

1. San Antonio Gold Mines Ltd. (1953).
2. Kenopo Mining & Milling Co. Ltd. (1938),
3. Purdex Property, Jalna Resources Limited (1983).
4. Electrum Lake Gold Mines Ltd. (1960).
5. Hoey Grubstake (1959) Syndicate.
6. Selco Exploration Co. Ltd. (1961).
7. Bardyke Mines Ltd. (1961).
9. Alcock C.A.
10. Evenlode Mines Ltd.
11. Francoeur Mines Ltd, (1958).

Inferred Fault — — — Lineament

LEGEND

7	Acid Intrusive Rocks
5,8	Metasediments
4	Felsic Volcanic Rocks
1	Mafic Volcanic Rocks
(3)	Location of mining property.
	Claim line.
★ Au	Gold Prospect
✡ Mo	Molybdenum Deposit

JALNA RESOURCES LIMITED

PURDEX PROPERTY

GEOLOGICAL MAP
OF
PROPERTY & VICINITY

Scale
0 ¼ ½ 1 mile

REF. ODM MAP 2069.

FIGURE: 3b

the quartz veins within the zones appear to have filled gash fractures. A steep east plunge of the zones is indicated by drilling. Whether the gash fractures are related to simple folding or to a local stress phenomena may have a bearing on the extent of the mineralized zones.

L. K. Lytle, a geologist with Purdex Minerals Limited in 1958, wrote a report in which he evaluates the economic potential of the property. He outlined six zones, all of which are considered related to dragfolds. Five of these zones constitute the main zone, a sixth lies to the northwest and constitutes a second zone. In Figure 7, A, B, C, D, E, and P zones are shown.

Both the A and B zones roughly conform to the contact between the volcanic rocks and porphyry; B zone being at the contact, A zone lying within the porphyry. Both the width of the zones and the gold content increase at the crests of the assumed fold. Extensions to the east are narrow and of low grade, though as Mr. Lytle points out, values and widths would be expected to increase if another "fold" is encountered. Only B zone has been traced west, and it is similarly narrow and of low grade.

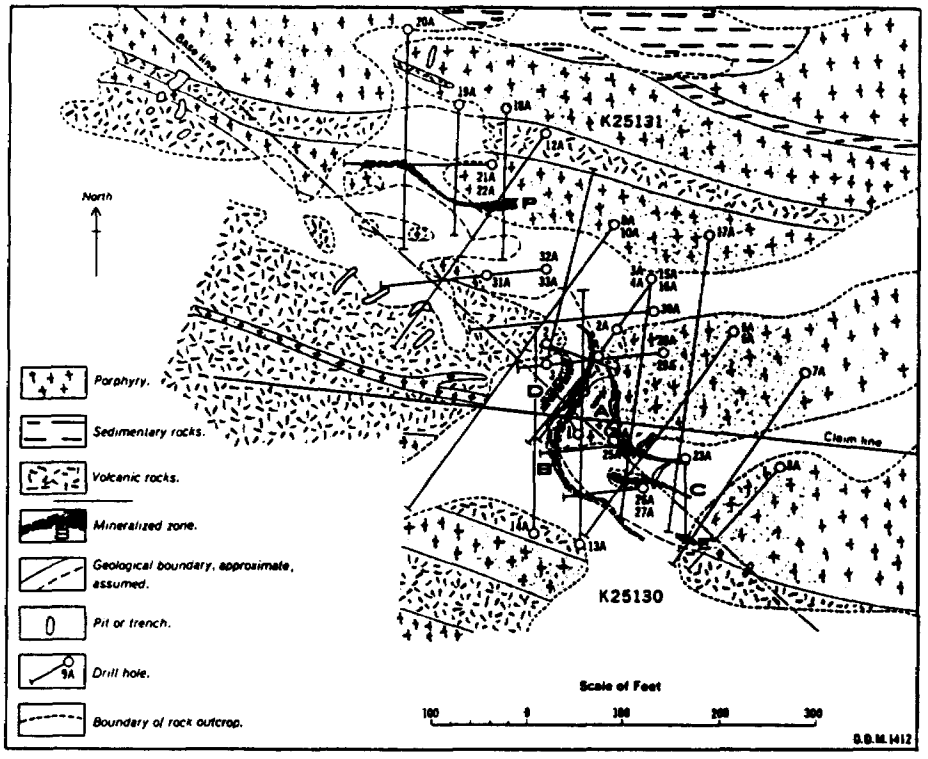
C and E zones are surface showings, smaller than A and B zones and not sufficiently explored at depth to determine their possible extent. Both appear to continue to the east.

D zone is not exposed, except possibly to the west in a series of trenches in which gold has been found. The zone is very irregular in shape, conforming to "fold" in both vertical and horizontal planes. Continuation of the zone to the south and east is not known; Mr. Lytle believes that extension of Drillholes 24A and 25A would encounter it, but Drillhole 14A, a hole virtually barren of gold, was not considered in his calculations. The irregular nature of the zone could account for its not being intersected by Drillhole 14A, but without additional information the present author would hesitate to extend D zone beyond the position shown in Figure 7.

P zone is also "folded" in both horizontal and vertical planes with an increase in width and gold values at the crests of folds. It may continue both to the east and west.

The results of the 1958 drilling were summarized by Mr. Lytle and are shown in Table VI*.

*Herein included on Figure 3c.



Zone	Length (To 1958)	Average Width	Depth (in calculations)	Average Gold	Indicated
	feet	feet	feet	oz. per ton	tons
A	147	4.5	325	0.34	21,400
B	160	5.7	215	0.40	19,600
D	130	7.7	170	0.30	17,000
P	170	4.6	235	0.23	18,500
			Combined	0.32	76,500

JALNA RESOURCES LIMITED

PURDEX PROPERTY

Geological Plan of Mineralized Zones

Ref: ODM Geo Rep No 41 Figure 3c

In 1982, George M. Leary of GML Minerals Consulting Ltd. and president of Jalna Resources Limited, examined the surface showings in some detail and carried out preliminary mapping within the drill area in order to evaluate the geologic setting of the deposit. The results of his work are summarized on Figures 3d and 3e and Table 2 herein, and are extracted from his "Summary Report on the Purdex Property" of January, 1988, as follows:

> The Purdex deposit, based on a field examination and study of the drill data by the writer, consists of a series of quartz-tourmaline-pyrite veins trending WNW-ESE arranged either as (1) a closely packed ribbon system of strike limited veins in zones trending north-south (i.e. A Zone) or north-northeast (i.e. B Zone-South) associated with an embayment area along the contact of a dyke, or as (2) linear strike-continuous essentially singular banded veins (i.e. P Zone, southeast extension of B Zone-South and an indicated mineralized vein exposed in trenches northwest of the B Zone-South). The vein system has been tested to depths of up to 195 feet except for one hole which tested the A Zone at a depth of 310 feet. All zones are open at depth. No systematic change in grade or vein widths was noted at depth.
>
> Five mineralized zones are recognized by the writer, including the following:
>
> A Zone: pipe-like lensoid zone.
>
> B Zone-North: comprised of two subparallel west-northwest trending zones possibly extending northwest to the intercept in DDH-3 and southeast to the intercepts in DDH's 15A and 16A, for a possible strike length of 140 feet.
>
> B Zone-South: comprised of two subparallel west-northwest trending zones potentially open to the northwest and possibly extending to the southeast along the tail of the zone for up to at least 50 feet.
>
> P Zone: singular linear vein structure possibly extending along strike for at least 80 feet.
>
> Chert Zone: singular linear vein structure inadequately tested near surface with sporadic surface values of 0.33 to 0.40 ounces gold per ton across five feet.
>
> In 1958, Purdex calculated the drill-indicated reserves as given on Figure 3c at 76,500 tons grading 0.32 ounces gold per ton.

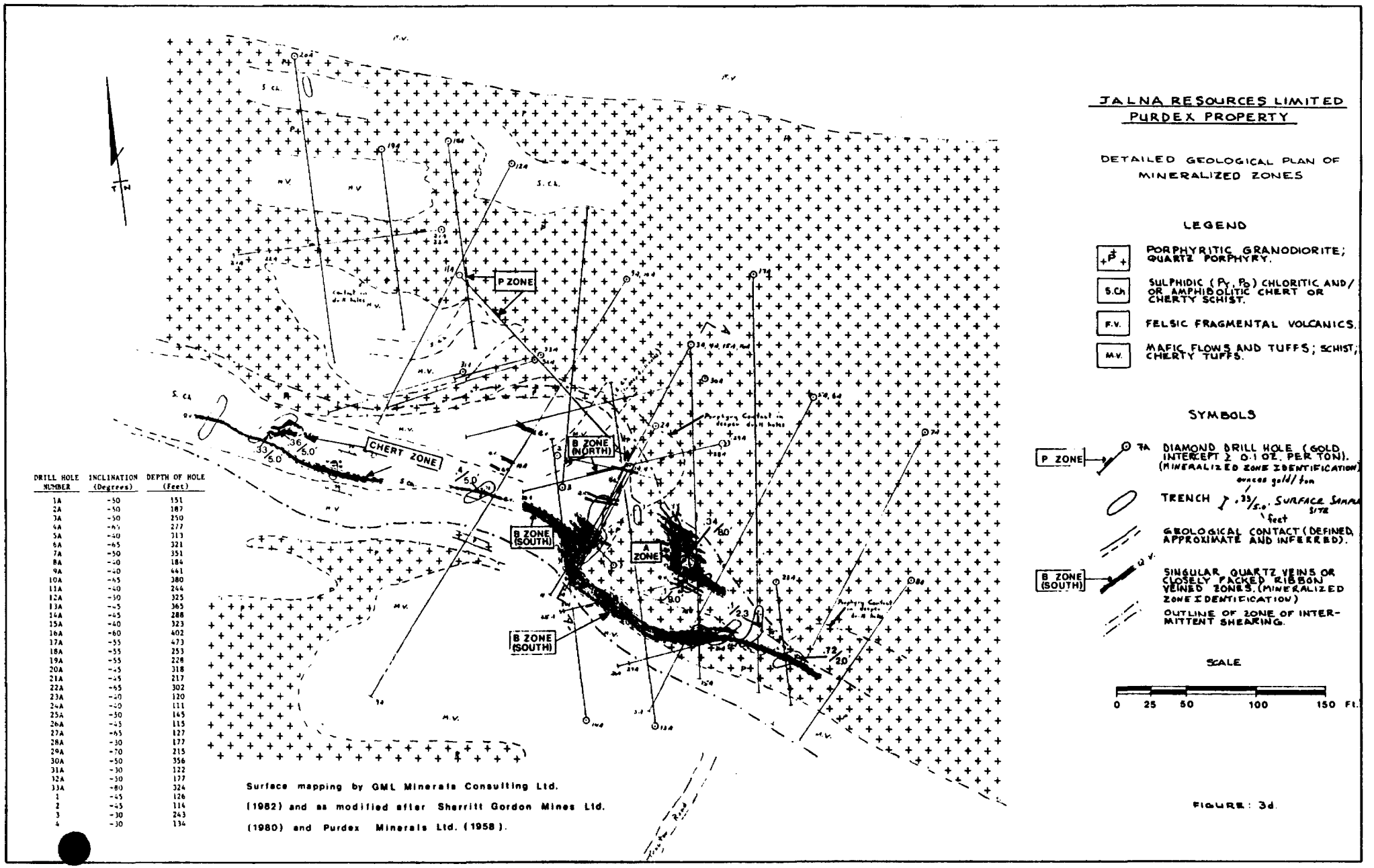
TABLE 2

GOLD INTERCEPTS IN DIAMOND DRILL HOLES

(After Summary Report on the Purdex Property
by G. M. Leary, January, 1988)

DRILL HOLE NUMBER	GOLD INTERCEPTS ≥ .1 OUNCES GOLD PER TON			GOLD INTERCEPTS ≥ .1 OUNCES GOLD PER TON MINIMUM 5 FEET		
	INTERVAL (feet)	LENGTH (feet)	OUNCES GOLD PER TON	INTERVAL (feet)	LENGTH (feet)	OUNCES GOLD PER TON
1A	23.5- 31	7.5	1.27	23.5- 31	7.5	1.27
	79 -102	23.0	.34	79 -102	23.0	.34
	107 -112	5.0	.21	107 -112	5.0	.21
2A	56 - 60	4.0	.56	55 - 60	5.0	.46
	114.3-117	2.7	.22	112 -117	5.0	.13
	125 -129.5	4.5	.31	125 -130	5.0	.28
	145 -148	3.0	.48	145 -150	5.0	.30
3A	126 -139	13.0	.16	126 -139	13.0	.16
	148.5-158	9.5	.16	148.5-158	9.5	.16
	206 -212.7	6.7	.11	206 -212.7	6.7	.11
	217.7-222.7	5.0	.16	217.7-222.7	5.0	.16
4A	213 -219.5	6.5	.36	213 -219.5	6.5	.36
5A	180.5-182.5	2.0	.17*			
11A	46.5- 57	10.5	.18	46.5- 57	10.5	.18*
12A	148.5-149	.5	.56			
	175 -180.5	5.5	.18	175 -180.5	5.5	.18
13A	284.5-285	.5	.20			
15A	165 -170	5.0	.17*	165 -170	5.0	.17*
16A	152 -156	4.0	.21*	152 -157	5.0	.17*
	334 -336	2.0	.45*	333 -338	5.0	.21*
	354.5-363	8.5	.27*	354.5-363	8.5	.27*
18A	166 -176	10.0	.14	166 -176	10.0	.14
	180 -188.1	8.1	.30	180 -188.1	8.1	.30
20A	204.4-206.4	2.0	.16			
21A	17.7- 20.7	3.0	.12			
22A	224.5-228.9	4.4	.52	223.9-228.9	5.0	.46
24A	2 - 10	8.0	.25	2 - 10	8.0	.25
	63.2- 78.5	15.3	.30	63.2- 78.5	15.3	.30
	85.5- 90.5	5.0	.26	85.5- 90.5	5.0	.26
25A	1.0- 9.0	8.0	.15	1.0- 9.0	8.0	.15
	86.7- 89.7	3.0	.72	84.7- 89.7	5.0	.46
28A	97.5-117.1	19.6	.14*	97.5-117.1	19.6	.14*
29A	119.7-124.6	4.9	.18*	119.6-124.6	5.0	.18*
	139.5-144	4.5	.11*	139 -144	5.0	.10*
2	71.5-100	28.5	.26	71.5-100	28.5	.26
3	20 - 21.5	1.5	.74	20 - 25	5.0	.22
4	27.4- 34.3	6.9	.27	27.4- 34.3	6.9	.27
	73.6- 81.1	7.5	.27	73.6- 81.1	7.5	.27
	90.6-102	11.4	.34	90.6-102	11.4	.34

*Composite of original and check assays; check assays at X-Ray Labs on rejects and second half of core *consistently significantly higher than original assay* by an average of 371% on above samples.



DRILL HOLE NUMBER	INCLINATION (Degrees)	DEPTH OF HOLE (Feet)
1A	-50	151
2A	-50	187
3A	-50	250
4A	-45	277
5A	-40	313
6A	-65	321
7A	-50	351
8A	-40	184
9A	-40	441
10A	-65	380
11A	-40	244
12A	-50	325
13A	-45	365
14A	-45	288
15A	-40	323
16A	-60	402
17A	-55	473
18A	-55	253
19A	-55	228
20A	-45	318
21A	-45	217
22A	-65	302
23A	-40	120
24A	-40	111
25A	-50	145
26A	-45	115
27A	-65	127
28A	-30	177
29A	-70	215
30A	-50	356
31A	-30	122
32A	-30	177
33A	-80	324
1	-45	126
2	-45	114
3	-30	243
4	-30	134

Surface mapping by GML Minerals Consulting Ltd. (1982) and as modified after Sherritt Gordon Mines Ltd. (1980) and Purdex Minerals Ltd. (1958).

JALNA RESOURCES LIMITED
PURDEX PROPERTY

DETAILED GEOLOGICAL PLAN OF MINERALIZED ZONES

LEGEND

- P+ — PORPHYRITIC GRANODIORITE; QUARTZ PORPHYRY.
- S.Ch. — SULPHIDIC (Py, Po) CHLORITIC AND/OR AMPHIBOLITIC CHERT OR CHERTY SCHIST.
- F.V. — FELSIC FRAGMENTAL VOLCANICS.
- M.V. — MAFIC FLOWS AND TUFFS; SCHIST; CHERTY TUFFS.

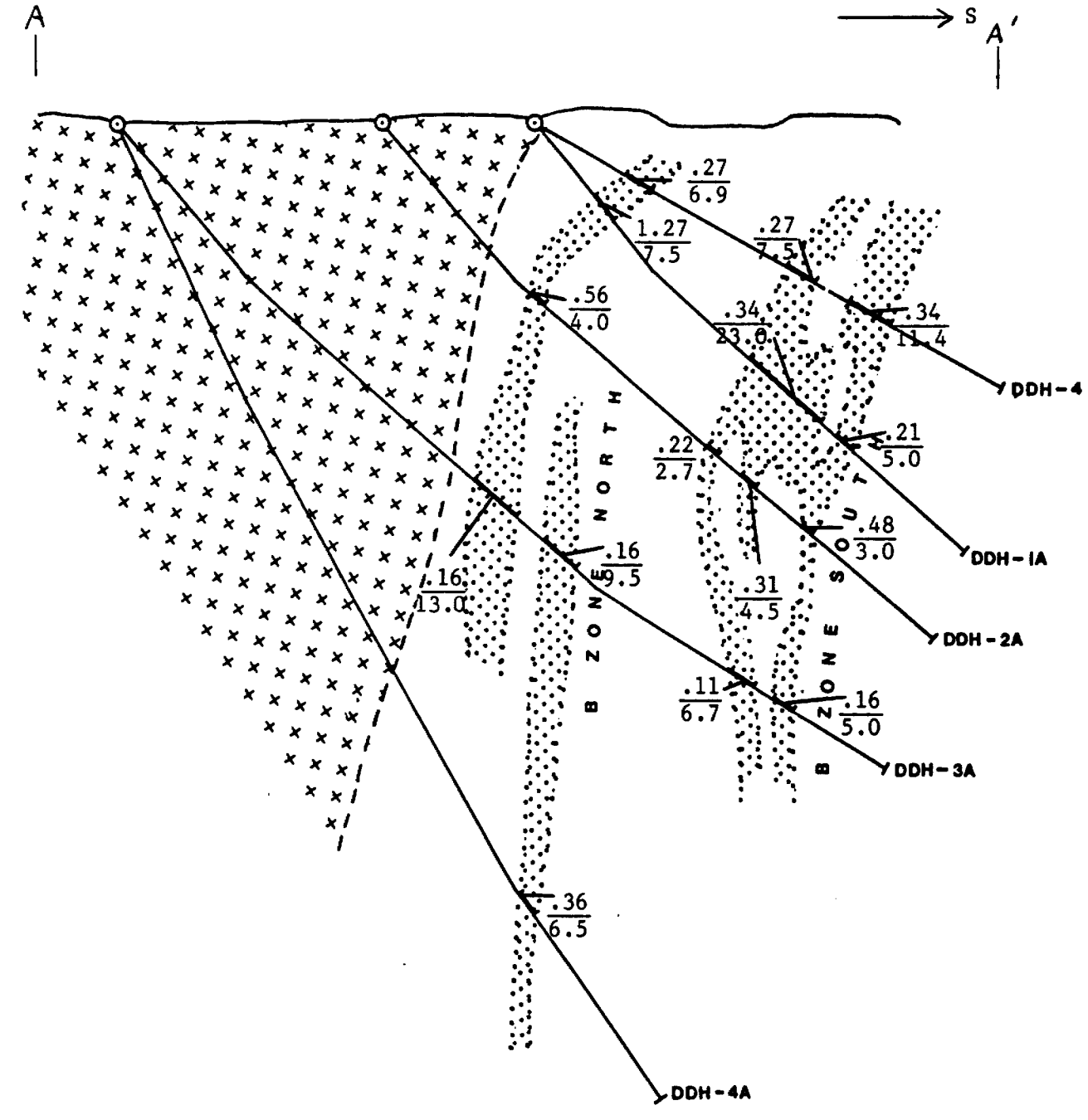
SYMBOLS

- P ZONE → 7A — DIAMOND DRILL HOLE (GOLD INTERCEPT ≥ 0.1 OZ. PER TON). (MINERALIZED ZONE IDENTIFICATION)
- TRENCH 1.35/5.0' (ounces gold/ton / feet) SURFACE SAMPLE SITE
- GEOLOGICAL CONTACT (DEFINED, APPROXIMATE AND INFERRED).
- B ZONE (SOUTH) — SINGULAR QUARTZ VEINS OR CLOSELY PACKED RIBBON VEINED ZONES. (MINERALIZED ZONE IDENTIFICATION)
- OUTLINE OF ZONE OF INTERMITTENT SHEARING.

SCALE

0 25 50 100 150 Ft.

FIGURE: 3d.



LEGEND

PORPHYRITIC GRANODIORITE QUARTZ PORPHYRY

MINERALIZED ZONE (GOLD ≥ .1 OZ./TON)

Scale: 1 inch = 40 feet.

$\frac{.36}{6.5}$ = $\frac{\text{ounces gold per ton}}{\text{intercept length (in feet)}}$

JALNA RESOURCES LIMITED

Purdex Property

FIGURE - 3e

DETAILED GEOLOGICAL SECTION OF MINERALIZED ZONES

(LOOKING S.E.)

Section modified after Purdex Minerals Ltd (1958).

The writer has calculated the drill-indicated reserves to depths of 160 to 350 feet utilizing a 0.10 ounces gold per ton cutoff with a minimum true width of five feet, at 91,000 tons grading 0.26 ounces gold per ton. Average true width of each of six shoots comprising the reserves within the first four of the five zones described above ranges from 6.2 to 7.5 feet (i.e. average of 7.2 feet).

Also, the writer has calculated the undiluted drill-indicated reserves utilizing a 0.10 ounces gold per ton cutoff in the B and A Zones to depths of 240 and 350 feet respectively, at 70,000 tons grading 0.30 ounces gold per ton with average true widths of the five shoots of 6.4 feet (range from 5.4 to 6.6 feet), and in the P Zone to a depth of 160 feet at 12,000 tons grading 0.20 ounces gold per ton with an average true width of 7.2 feet.

The property is considered to have good exploration potential (1) in the near surface environment with respect to possible extensions of mineralized zones within the B Zone and with respect to the Chert Zone, (2) at depth with respect to all known mineralized zones, and (3) near surface and at depth along the favourable associated porphyry-volcanic contact zone.

A reserve potential of 200,000 tons to a depth of 500 feet and 300,000 to 500,000 tons to a depth of 1,000 feet is considered to be a reasonable expectation for the property.

The writer concurs with the above geologic evaluation, estimates of drill-indicated reserves, and potential of the property as outlined by G. M. Leary (1988). Localization of gold in vein systems at the Purdex deposit appears spatially associated with the truncation of a sulphidic chert unit, which follows the porphyry sill contact, within the porphyry embayment. This setting indicates the obvious depth potential for the vein system, as well as the potential for significant gold mineralization along strike the porphyry-volcanic contact.

CONCLUSIONS AND RECOMMENDATIONS

The Purdex property contains diluted drill-indicated reserves of 91,000 tons grading 0.26 ounces gold per ton in six shoots with an average width of 7.2 feet. All the mineralized zones are open along strike and at depth. Excellent potential exists for the discovery of additional reserves to the Purdex deposit and elsewhere along strike within the property. Accordingly, a phased exploration program is recommended to evaluate the reserve potential of the deposit and to explore for new targets within the property, as follows:

Phase I. Shallow diamond drilling totalling 1,000 feet (i.e. four 160-400 foot holes) to confirm previous drill results and to better define the B Zone.
Total estimated cost of Phase I ---------- $ 50,000

Phase II. 1) Grid construction (13 miles) with mapping, prospecting, soil sampling and geophysical surveying, including induced polarization, magnetics and VLF-EM surveying of the grid area and trenching and sampling of known gold zones. 2) Shallow diamond drilling totalling 2,000 feet (i.e. twelve 160-170 foot holes) to investigate the possible extensions of the B Zone, to evaluate the Chert Zone and to test geochemical-geophysical targets.
Total estimated cost of Phase II ---------- 315,000

Phase III. Deep diamond drilling totalling 6,000 feet (i.e. ten 400-800 foot holes) to investigate the depth potential of known mineralized zones and geophysical anomalies to a depth of 500 feet.
Total estimated cost of Phase III ---------- 315,000

$680,000

For proposed detailed budgets of the above work phases, see Appendix II.

CERTIFICATION

I, John Norman Schindler, of the City of Calgary, in the Province of Alberta, do hereby certify that:

1) I am a professional geologist residing in the City of Calgary.

2) I am a practising consulting geologist with offices located at 22 Lake Christina Close SE.

3) I am registered as a Professional Geologist (Certificate No. 30227) with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

4) I graduated from McGill University in 1960 with a B.Sc. (Honours) Geology, and in 1963 with a M.Sc. in Mining Geology from London University (England). I graduated from McMaster University, Hamilton, Ontario, in 1975 with a Ph.D. in Geology.

5) I have practised my profession continuously since 1960, and have held permanent positions with the Iron Ore Company of Canada, Amax Exploration Inc., Western Mines Ltd. (now Westmin Resources Limited) and Union Oil Company of Canada (now Unocal).

6) I am the author of this report, which is based on a review of published and unpublished government and private reports.

7) I have no interest, direct or indirect, either in the property discussed in this report, or in the securities of Jalna Resources Limited, nor do I intend to receive any such interest.

8) I consent to the use of this report by Jalna Resources Limited in a Statement of Material Facts to satisfy requirements of the Vancouver Stock Exchange and the British Columbia Securities Commission.

Dated at Calgary, Alberta, this 16th day of February, 1988.

PERMIT TO PRACTICE
SCHINDLER EXPLORATION CONSULTANTS LTD.
Signature J.N. Schindler
Date February 16, 1988
PERMIT NUMBER: P 3437
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

J. N. Schindler, Ph.D., P. Geol.
Schindler Exploration Consultants Ltd.

APPENDIX I

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APPENDIX II

PROPOSED DETAILED BUDGETS
PURDEX PROPERTY

PHASE I: Confirmation Diamond Drilling

Salaries			$ 13,325
Project Planning			
1 Project Supervisor	$350/day X 3	$ 1,050	
1 Project Manager	$275/day X 2	550	
		$ 1,600	
Field Exploration			
1 Project Supervisor	$350/day X 12	$ 2,450	
1 Project Manager	$275/day X 20	5,500	
1 Geol. Technician	$170/day X 10	1,700	
		$ 9,650	
Final Report			
1 Project Supervisor	$350/day X 2	$ 700	
1 Project Manager	$275/day X 5	1,375	
		$ 2,075	
		$ 13,325	
Project Travel			2,000
Vehicles			1,000
1 - 3/4 ton 4X4 truck	$50/day X 20	$ 1,000	
Camp Board (42 man days X $40/man/day)			1,680
Field Equipment			220
1 Mobile Telephone	$3/day X 20 days	$ 60	
1 Power Saw	$5/day X 20 days	100	
1 Core Splitter	$3/day X 20 days	60	
		$ 220	
Materials and Supplies			1,250
Fuel		$ 500	
Vehicle and Equipment Maintenance		250	
Misc. Supplies		500	
		$ 1,250	
Telephone			250

Shipping		$ 250
Maps		100
Sample Analysis		1,325
Drill Core (Au and Ag by assay) $13.25/sample X 100 samples	$ 1,325	
Diamond Drilling		27,000
Four 160 to 400 foot holes $27/foot X 1000 feet	$ 27,000	
Bulldozer (road refurbishment)		1,000
Report Preparation		200
SUB-TOTAL		49,600
Contingency		400
TOTAL		$ 50,000

PHASE II: Surface Surveys and Shallow Diamond Drilling

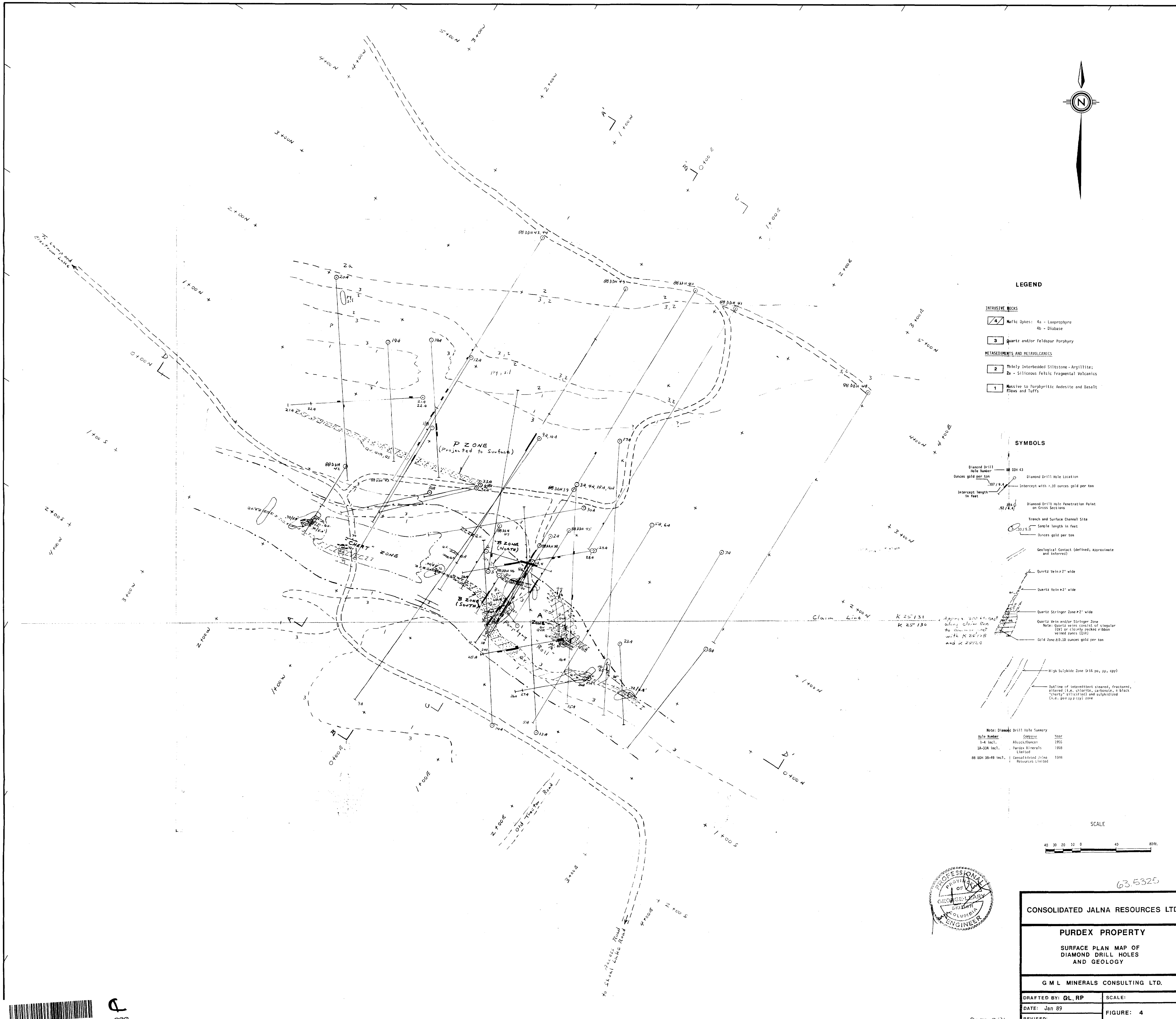
Salaries			$ 98,825
Project Planning			
1 Project Supervisor	$350/day X 5	$ 1,750	
1 Project Manager	$275/day X 10	2,750	
1 Geol. Technician	$200/day X 5	1,000	
		$ 5,500	
Field Exploration			
1 Project Supervisor	$350/day X 30	$ 10,500	
1 Project Manager	$275/day X 80	22,000	
1 Geol. Technician	$200/day X 80	16,000	
1 Geol. Technician	$180/day X 18	3,240	
1 Cook	$190/day X 70	13,300	
1 Prospector	$200/day X 55	11,000	
4 Laborers	$180/day X 3	2,160	
		$ 78,200	
Final Report			
1 Project Supervisor	$350/day X 5	$ 1,750	
1 Project Manager	$275/day X 45	12,375	
1 Geol. Technician	$200/day X 5	1,000	
		$ 15,125	
		$ 98,825	
Project Travel			8,000
Vehicles			13,200
1 - 3/4 ton 4X4 truck	$50/day X 40	$ 2,000	
2 - 3/4 ton 4X4 trucks	$50/day X 80	8,000	
1 - 4-trac ATV + trailer	$30/day X 80	2,400	
1 - Equipment Trailer	$10/day X 80	800	
		$ 13,200	
Camp Board			11,135
Above personnel	$17/man/day X 345 mandays	$ 5,865	
Drillers	$17/man/day X 100 mandays	1,700	
Line cutters	$17/man/day X 40 mandays	680	
Geophysical crew	$17/man/day X 170 mandays	2,890	
		$ 11,135	
Field Equipment			16,880
Camp: 11-man camp	$15/man/day X 80 days	$ 13,200	
1 Generator	$20/day X 80 days	1,600	
1 Mobile Telephone	$3/day X 80 days	240	
1 Plugger	$40/day X 20 days	800	
2 Power Saws	$5/day X 80 days	800	
1 Core Splitter	$3/day X 80 days	240	
		$ 16,880	

Materials and Supplies			$ 16,000
Fuel		$ 8,000	
Vehicle and Equipment Maintenance		3,000	
Camp Construction		3,000	
Misc. Supplies (Core boxes, sample bags, blasting supplies)		2,000	
		$ 16,000	
Telephone			1,500
Shipping			2,000
Maps			200
Line Cutting ($350/line mile X 13 miles)			4,550
Sample Analysis			25,201
Au by FA-AA/Multielement ICP			
Rock Chips	$14.50/sample X 580 samples	$ 8,410	
Soil Samples	$12.25/sample X 1230 samples	15,068	
Au and Ag by Fire Assay			
Drill Core + Trenches	$13.25/sample X 130 samples	1,723	
		$ 25,201	
Geophysics			43,800
Mag Survey	$150/line mile X 12 miles	$ 1,800	
VLF-EM Survey	$150/line mile X 12 miles	1,800	
I.P. Survey	$1600/line mile X 22 miles	35,200	
Geophysical Interpretation and Report		5,000	
		$ 43,800	
Diamond Drilling			54,000
Twelve 160-170 foot holes ($27/foot X 2000 feet)		$ 54,000	
Access Road Refurbishment			1,500
Report Preparation			3,000
		SUB-TOTAL	$299,791
Contingency (approximately 5%)			15,209
		TOTAL	$315,000

PHASE III: Deep Diamond Drilling

Salaries			$ 70,980
Project Supervision			
1 Project Supervisor	$350/day X 30 days	$ 10,500	
Project Planning			
1 Project Manager	$275/day X 5 days	1,375	
Field Exploration			
1 Project Manager	$275/day X 75 days	20,625	
1 Geol. Technician	$200/day X 75 days	15,000	
2 Laborers	$180/day X 8 days	2,880	
1 Cook	$190/day X 65 days	12,350	
		50,855	
Final Report			
1 Project Manager	$275/day X 30 days	8,250	
		$ 70,980	
Project Travel			7,000
Vehicles			10,500
2 - 4X4 Trucks	$50/day X 75 days	$ 7,500	
1 - 4-trac ATV + Trailer	$30/day X 75 days	2,250	
1 Equipment Trailer	$10/day X 75 days	750	
		$ 10,500	
Camp Board			9,350
GML Personnel	$17/man/day X 250 mandays	$ 4,250	
Diamond Drillers	$17/man/day X 300 mandays	5,100	
		$ 9,350	
Field Equipment			15,075
11-man Camp	$15/man/day X 75 days	$ 12,375	
1 Generator	$20/day X 75 days	1,500	
1 Mobile Telephone	$3/day X 75 days	225	
2 Chain Saws	$5/day X 75 days	750	
1 Core Splitter	$3/day X 75 days	225	
		$ 15,075	
Materials and Supplies			13,000
Fuel		$ 8,000	
Vehicle and Equipment Maintenance		2,000	
Camp Construction		500	
Misc. Supplies (core boxes, sample bags)		2,500	
		$ 13,000	

Telephone			$ 1,000
Shipping			2,000
Sample Analysis			5,425
Au by FA-AA/multi-element ICP Drill Core Samples	$14.50/sample X 100	$ 1,450	
Au + Ag by Fire Assay Drill Core Samples	$13.25/sample X 300	3,975	
		$ 5,425	
Diamond Drilling			162,000
Ten 400-800 foot holes ($27/foot X 6000 feet)		$162,000	
Report Preparation			2,000
		SUB-TOTAL	$298,330
Contingency (Approximately 5.6%)			16,670
		TOTAL	$315,000


LEGEND
INTRUSIVE ROCKS
4 Mafic Dykes: 4a - Lamprophyre
4b - Diabase
3 Quartz and/or Feldspar Porphyry
METASEDIMENTS AND METAVOLCANICS
2 Thinly Interbedded Siltstone - Argillite;
2a - Siliceous Felsic Fragmental Volcanics
1 Massive to Porphyritic Andesite and Basalt Flows and Tuffs
SYMBOLS
Diamond Drill Hole Number
88 DDH 43
Ounces gold per ton
Diamond Drill Hole Location
.307 / 9.4
Intercept with ≥.10 ounces gold per ton
Intercept length in feet
22A
.52 / 4.4
Diamond Drill Hole Penetration Point on Cross Sections
Trench and Surface Channel Site
.33 / 5.0
Sample length in feet
Ounces gold per ton
Geological Contact (defined; approximate and inferred)
Quartz Vein ≥ 2" wide
Quartz Vein ≥ 2' wide
Quartz Stringer Zone ≥ 2' wide
Quartz Vein and/or Stringer Zone
Note: Quartz veins consist of singular (QV) or closely packed ribbon veined zones (QVR)
Gold Zone ≥0.10 ounces gold per ton
High Sulphide Zone (≥5% po, py, cpy)
Outline of intermittent sheared, fractured, altered (i.e. chlorite, carbonate, ± black "cherty" silicified) and sulphidized (i.e. po ≥ py ≥ cpy) zone
Note: Diamond Drill Hole Summary
Hole Number | Company | Year
1-4 incl. | Alcock/Duncan | 1956
1A-33A incl. | Purdex Minerals Limited | 1958
88 DDH 38-49 incl. | Consolidated Jalna Resources Limited | 1988
P ZONE (Projected to Surface)
"B ZONE" (North)
B ZONE (South)
A ZONE
"CHERT" ZONE
Claim Line
K 25131
K 25130
Approx. 300 ft. east along claim line to common post with K 25128 and K 25129
Old Tractor Road
Access Road to Shoal Lake Road
To camp and Electrum Lake
SCALE
40 30 20 10 0 40 80 ft.
63.5325
CONSOLIDATED JALNA RESOURCES LTD.
PURDEX PROPERTY
SURFACE PLAN MAP OF DIAMOND DRILL HOLES AND GEOLOGY
G M L MINERALS CONSULTING LTD.
DRAFTED BY: GL, RP
SCALE:
DATE: Jan 89
FIGURE: 4
REVISED:
OM88-296

FOR DETAILED LEGEND AND SYMBOLS SEE FIGURE 4

SCALE

40 30 20 10 0 40 80ft.

63.5325

CONSOLIDATED JALNA RESOURCES LTD.

PURDEX PROPERTY

DIAMOND DRILL HOLE CROSS SECTION
A-A'

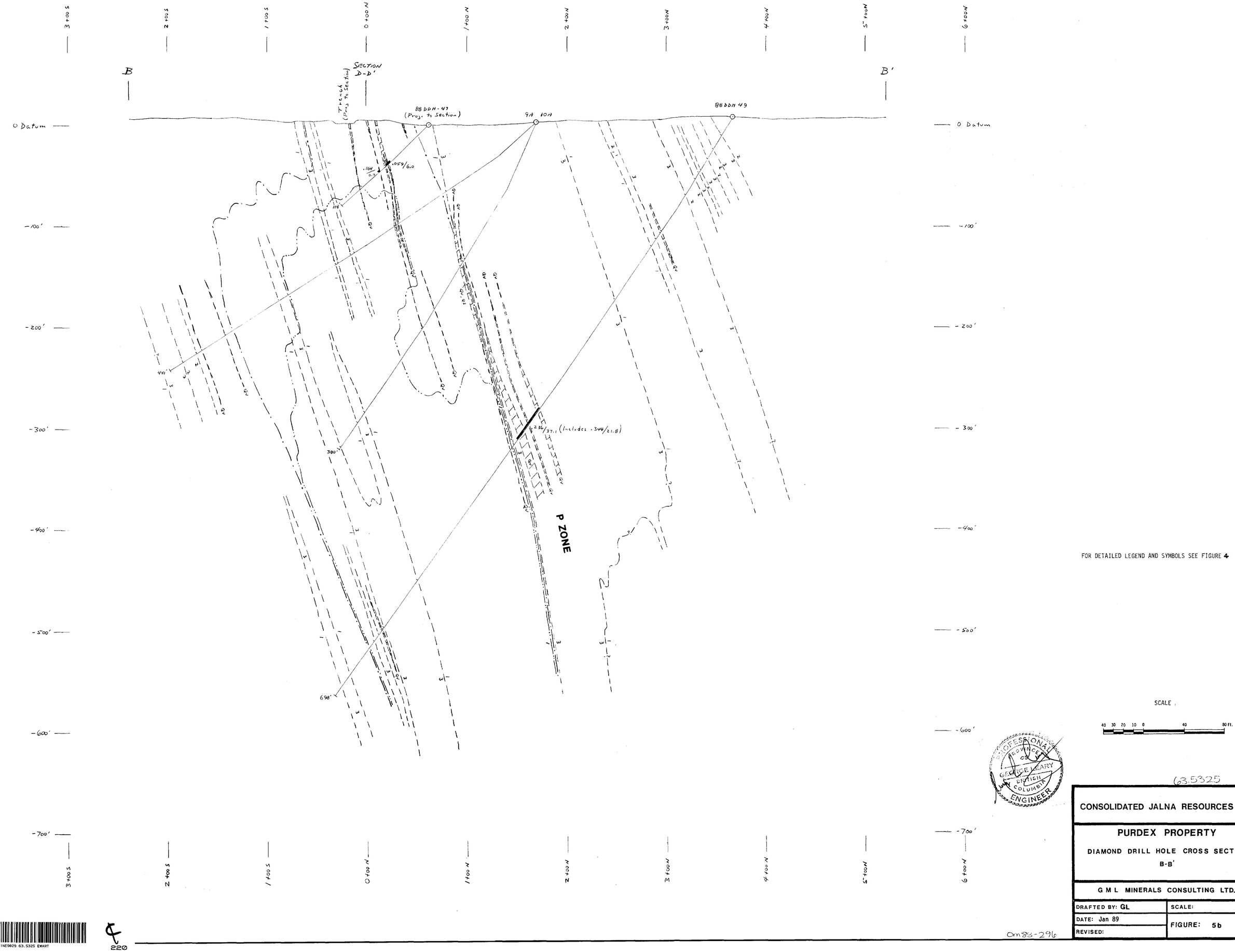
G M L MINERALS CONSULTING LTD.

DRAFTED BY: GL	SCALE:
DATE: Jan 89	FIGURE: 5a
REVISED:	

OMF88-296

52E11NE9029 63.5325 EWART

4
210



FOR DETAILED LEGEND AND SYMBOLS SEE FIGURE 4

SCALE

40 30 20 10 0 40 80 ft.

63.5325

CONSOLIDATED JALNA RESOURCES LTD.

PURDEX PROPERTY

DIAMOND DRILL HOLE CROSS SECTION

B-B'

G M L MINERALS CONSULTING LTD.

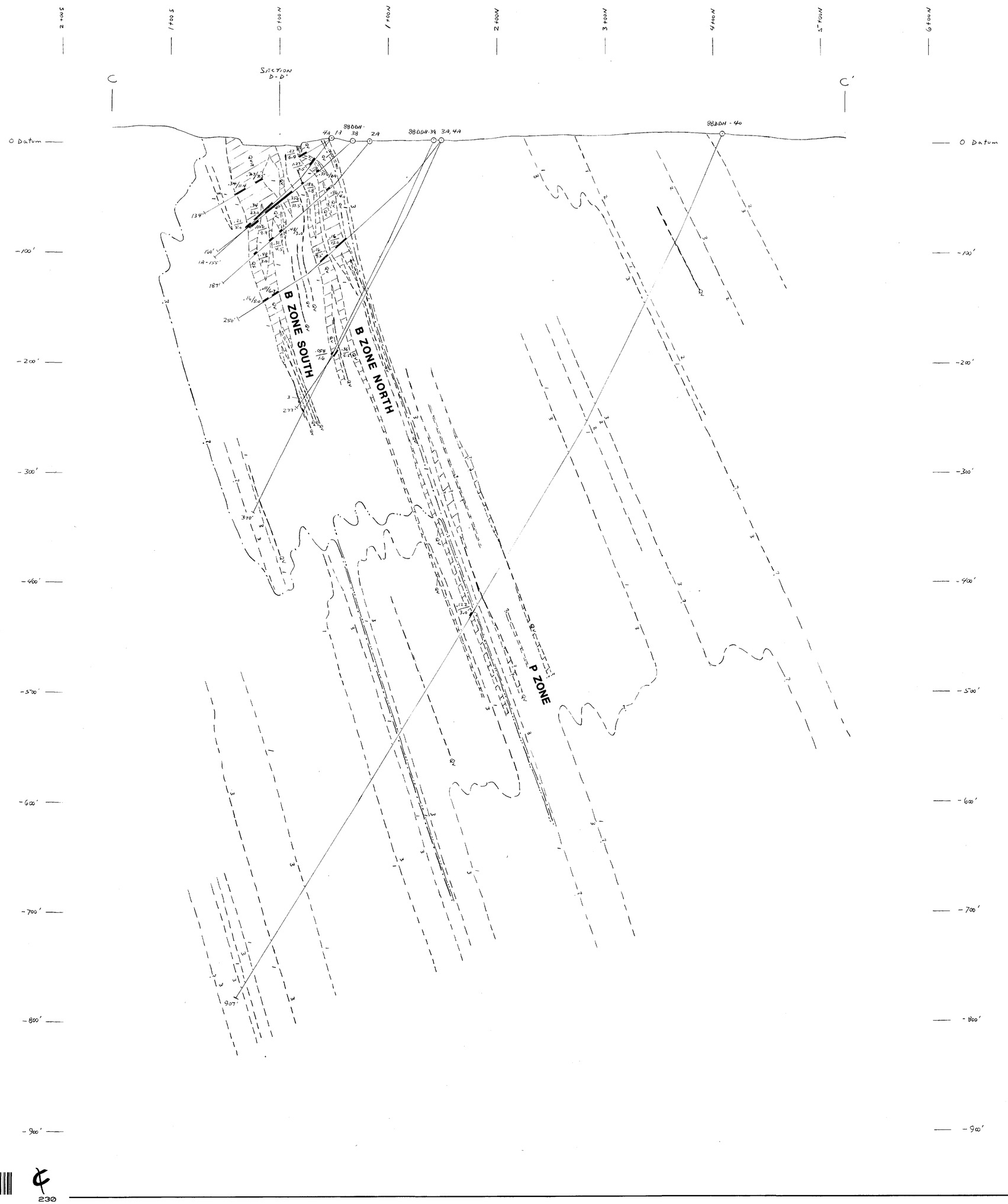
DRAFTED BY: GL	SCALE:
DATE: Jan 89	FIGURE: 5b
REVISED:	

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA GEORGE LEARY ENGINEER

Om83-296

52E11NE9029 63.5325 EWART

220



FOR DETAILED LEGEND AND SYMBOLS SEE FIGURE 4

SCALE

40 30 20 10 0 40 80 ft.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA GEORGE LEARY

63.5325

CONSOLIDATED JALNA RESOURCES LTD.

PURDEX PROPERTY

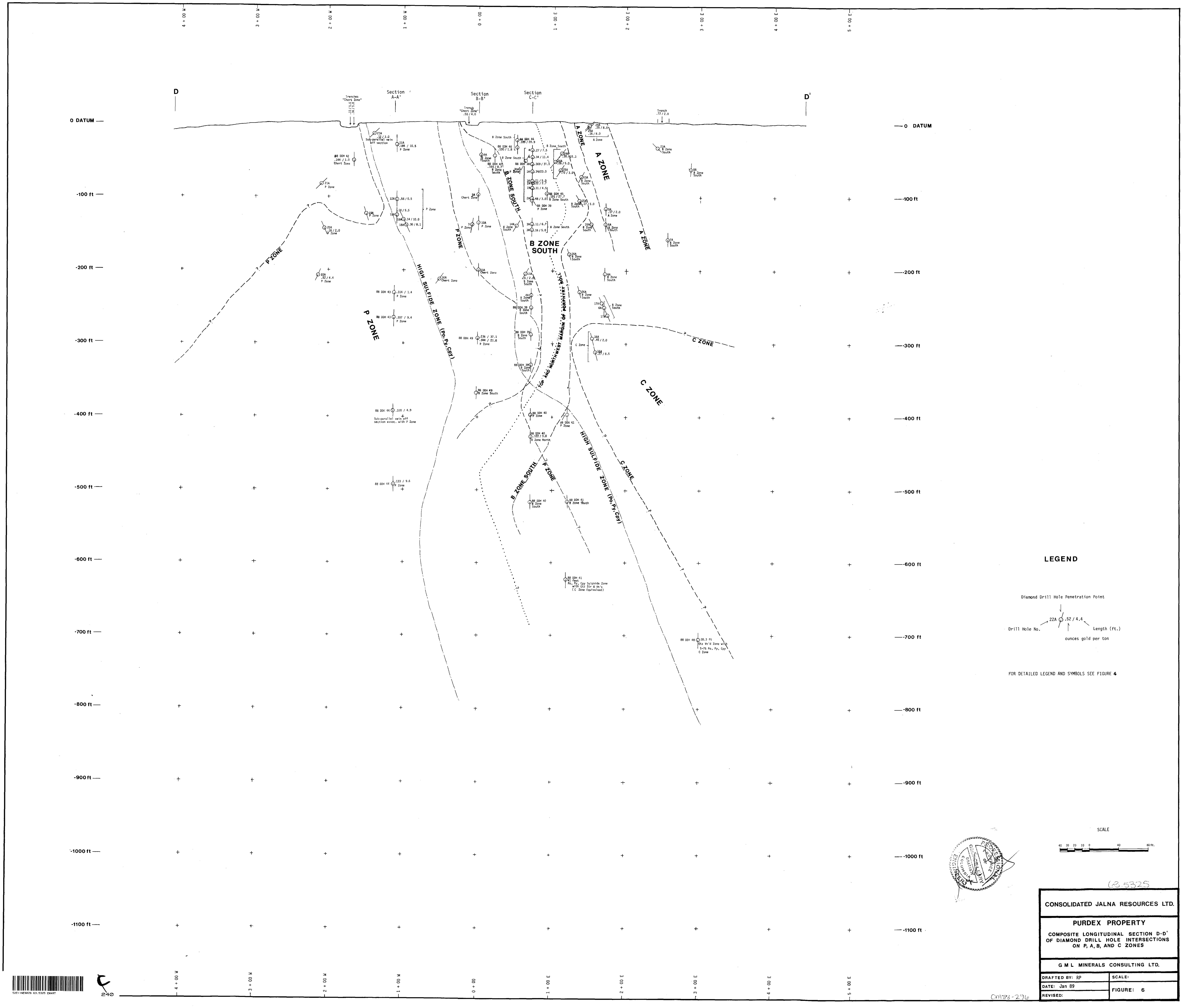
DIAMOND DRILL HOLE CROSS SECTION C-C'

G M L MINERALS CONSULTING LTD.

DRAFTED BY: GL RP	SCALE:
DATE: Jan 89	FIGURE: 5c.
REVISED:	

GM88-296

230



CONSOLIDATED JALNA RESOURCES LTD.

PURDEX PROPERTY

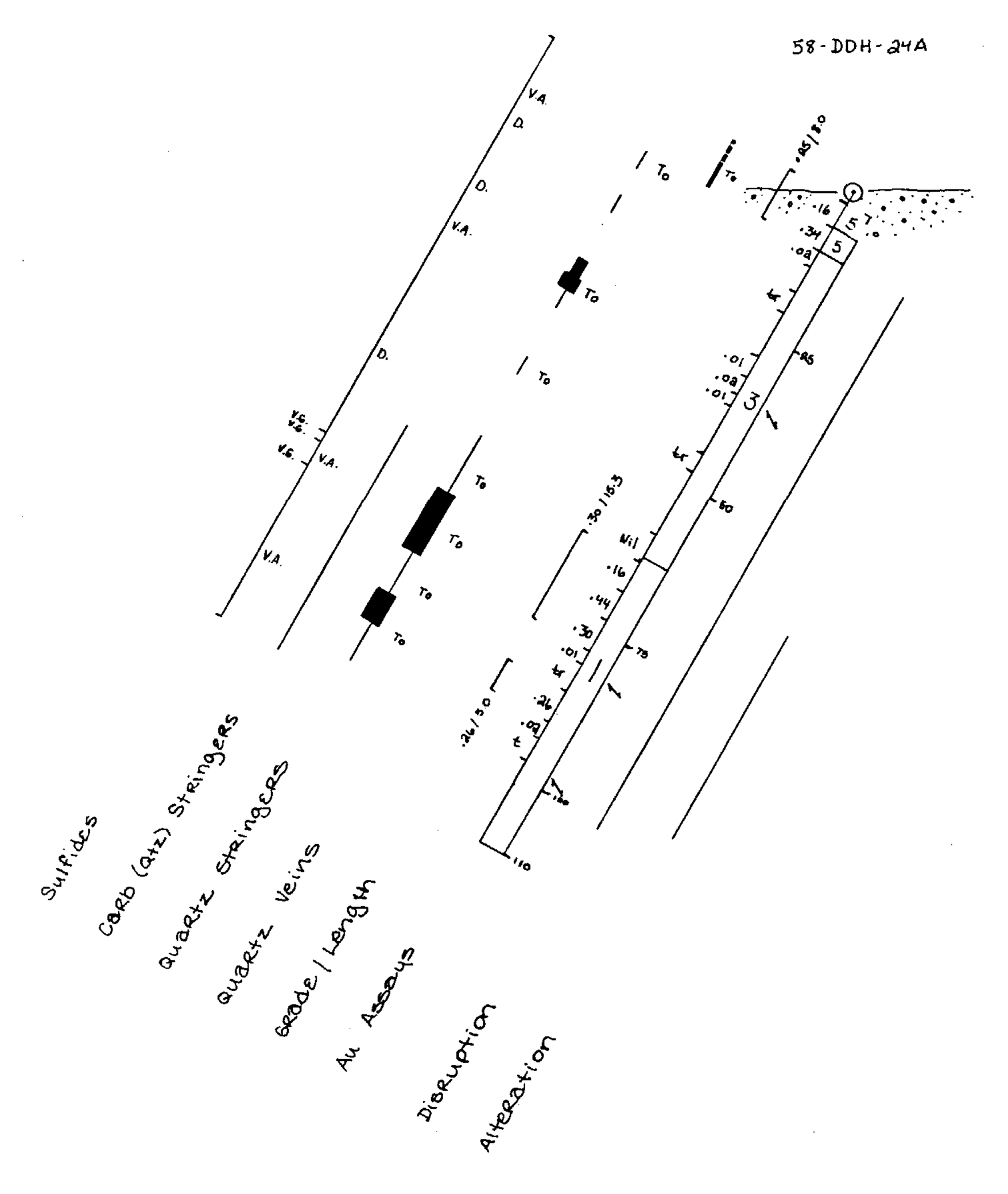
COMPOSITE LONGITUDINAL SECTION D-D' OF DIAMOND DRILL HOLE INTERSECTIONS ON P, A, B, AND C ZONES

G M L MINERALS CONSULTING LTD.

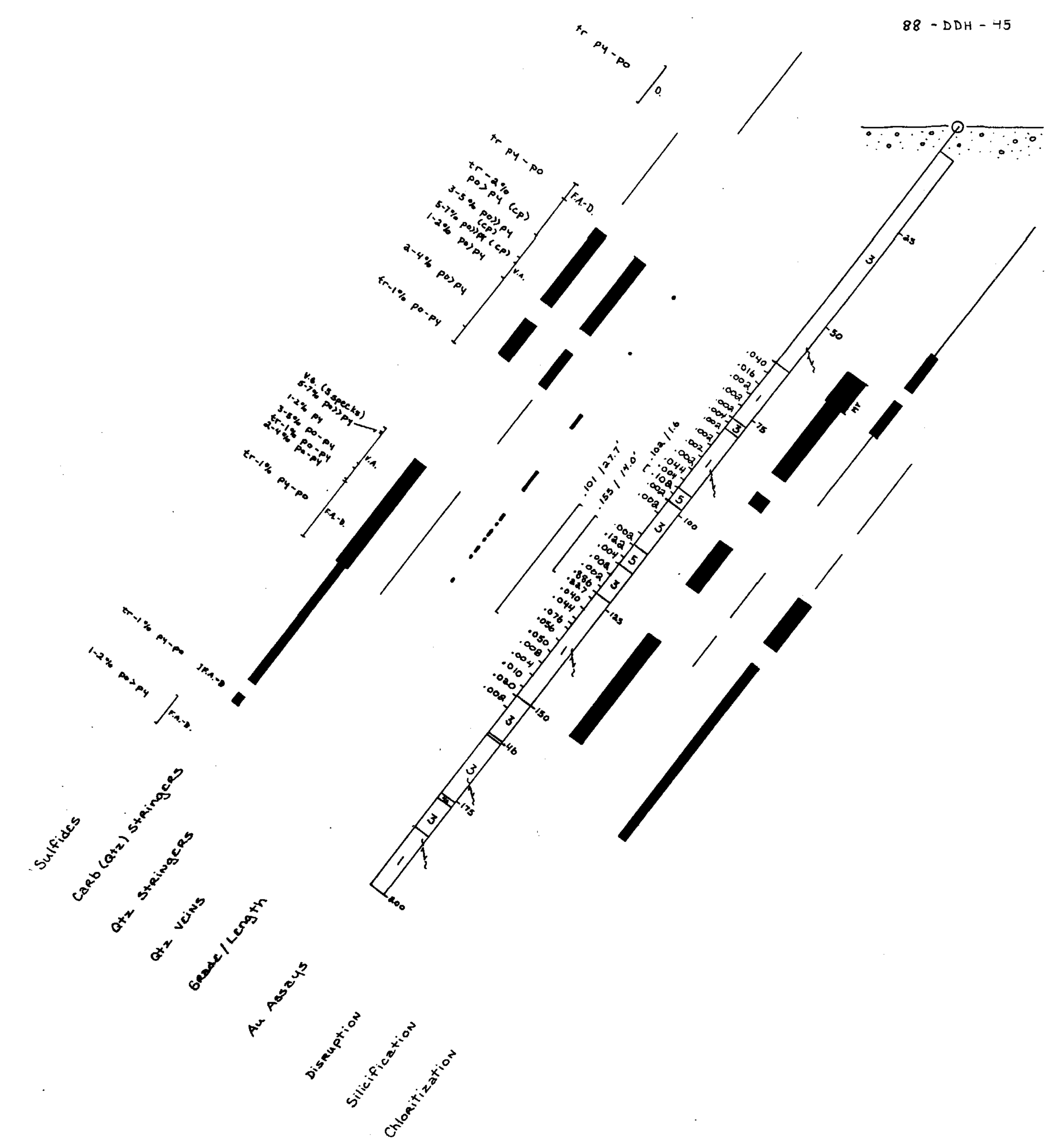
DRAFTED BY: RP	SCALE:
DATE: Jan 89	FIGURE: 6
REVISED:	

LITHOLOGS

PURDEX MINERALS LIMITED



CONSOLIDATED JALNA RESOURCES LIMITED



SYMBOLS

ALTERATION		Degree unspecified; Type unspecified unless stated: Silicification - Sil, Chloritization - Chlor, Sericitization - Ser
DISRUPTION		Degree unspecified; shearing unless stated: Brecciated - Brec
QUARTZ VEINS		≥ 2" width
QUARTZ STRINGERS		Sparse (1 stringer in 12-24") or 0-25% Qtz
		Moderate (1 stringer in 6-12") or 25-50% Qtz
		Dense (1 stringer or more in 0-6") or 50% + Qtz
CARB (QTZ) STRINGERS		Sparse (1 stringer in 12-24") or 0-25% Qtz
		Moderate (1 stringer in 6-12") or 25-50% Qtz
		Dense (1 stringer or more in 0-6") or 50% + Qtz
SULFIDES		Sulfide Mineralization

Abbreviations

py - pyrite
po - pyrrhotite
cp - chalcopyrite
V.G. - visible gold
garnets
ANK - ankerite
To - tourmaline
V.A. - vein associated
F.A. - fracture associated
D. - disseminated

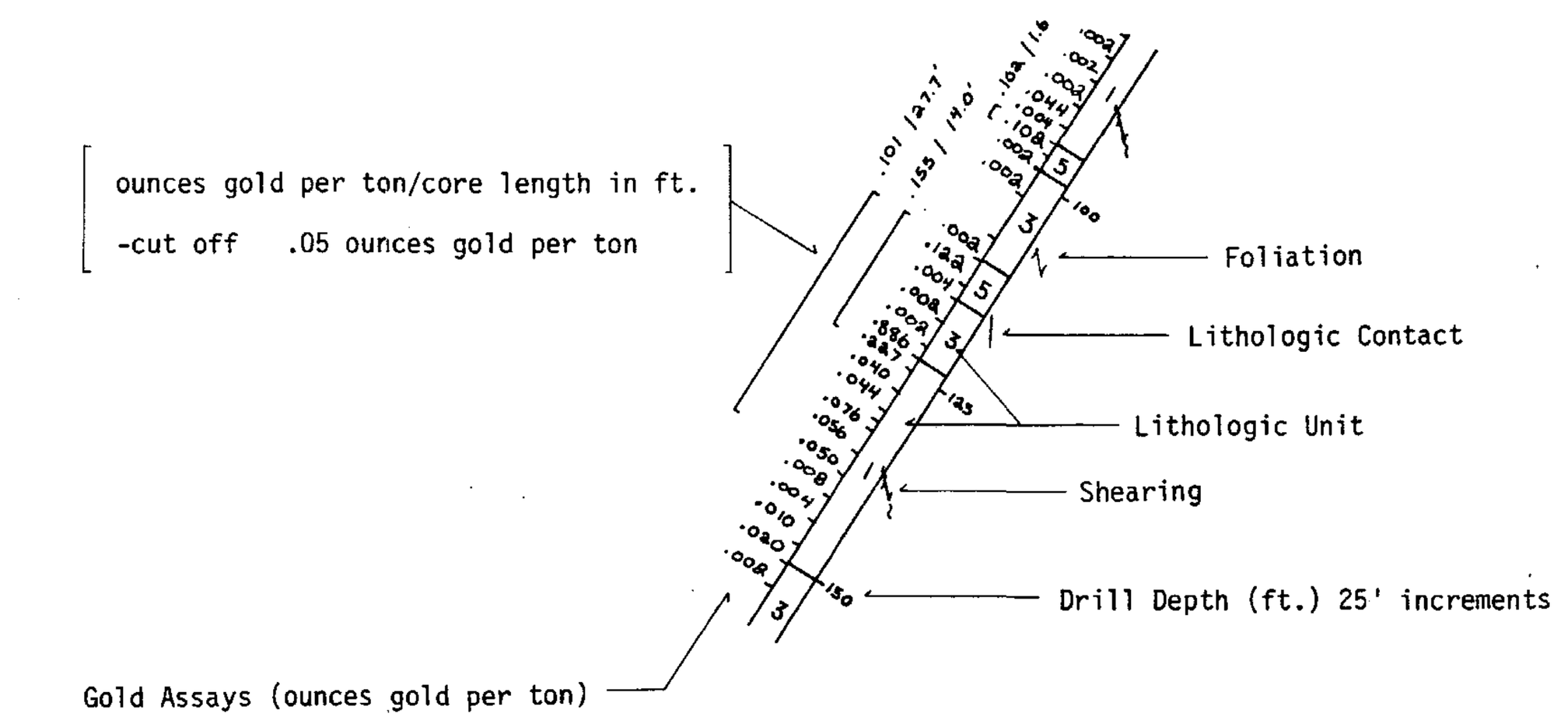
NOTE: Drill hole lithologs (ie DDH's 1-4, 1A-33A) prepared from copies of original Purdex Minerals Limited logs. Representation of litholog data is approximate due to inconsistent and incomplete Purdex logs.

CHLORITIZATION	Weak / Moderate / Strong
SILICIFICATION	Weak / Moderate / Strong
DISRUPTION	Weak / Moderate / Strong / Mylonitization
QUARTZ VEINS	≥ 2" width
QUARTZ STRINGERS	Sparse (1 stringer in 12-24"); Moderate (1 stringer in 6-12"); Dense (1 stringer or more in 0-6")
CARB (QTZ) STRINGERS	Sparse (1 stringer in 12-24"); Moderate (1 stringer in 6-12"); Dense (1 stringer or more in 0-6")
SULFIDES	Sulfide Mineralization

Abbreviations

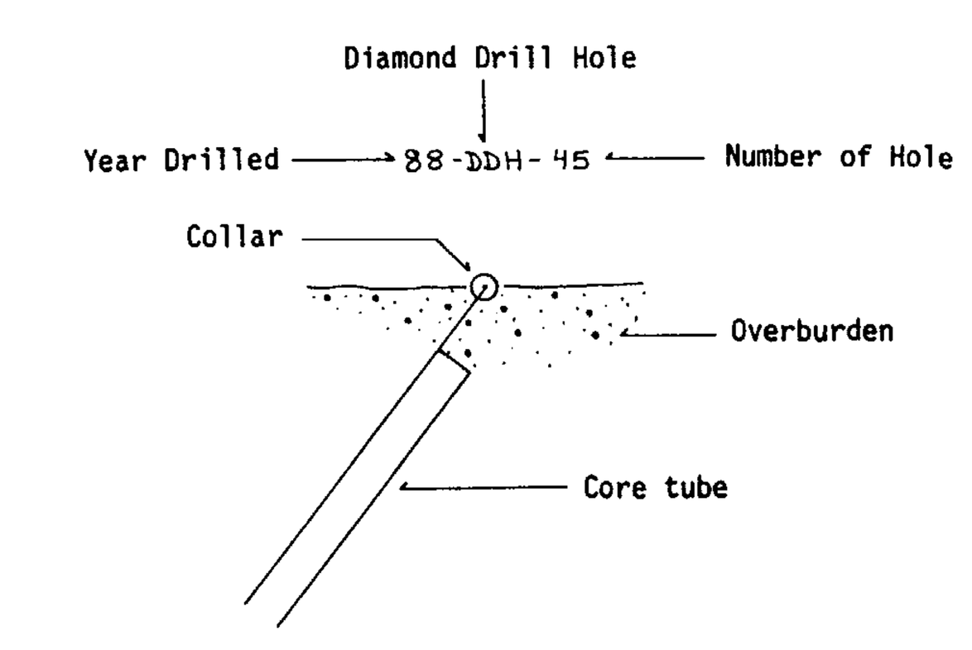
py - pyrite
po - pyrrhotite
cp - chalcopyrite
V.G. - visible gold
V.A. - vein associated
F.A. - fracture associated
D. - disseminated

CORE TUBES



SYMBOLS

DRILL HOLE NOTATION



LEGEND

VEINS

5 - Quartz Vein (2' core length and over)

INTRUSIVE ROCKS

4 - Mafic Dykes: 4a - Lamprophyre; 4b - Diabase

3 - Quartz and/or Feldspar Porphyry

METASEDIMENTS AND METAVOLCANICS

2 - Thinly Interbedded Siltstone - Argillite; 2a - Siliceous Felsic Fragmental Volcanics

1 - Massive to Porphyritic Andesite and Basalt Flows and Tuffs; Locally "Cherty"

SCALE 20 10 0 20 40ft.

63.5325

CONSOLIDATED JALNA RESOURCES LTD.

PURDEX PROPERTY

DIAMOND DRILL HOLE LITHOLOG LEGEND

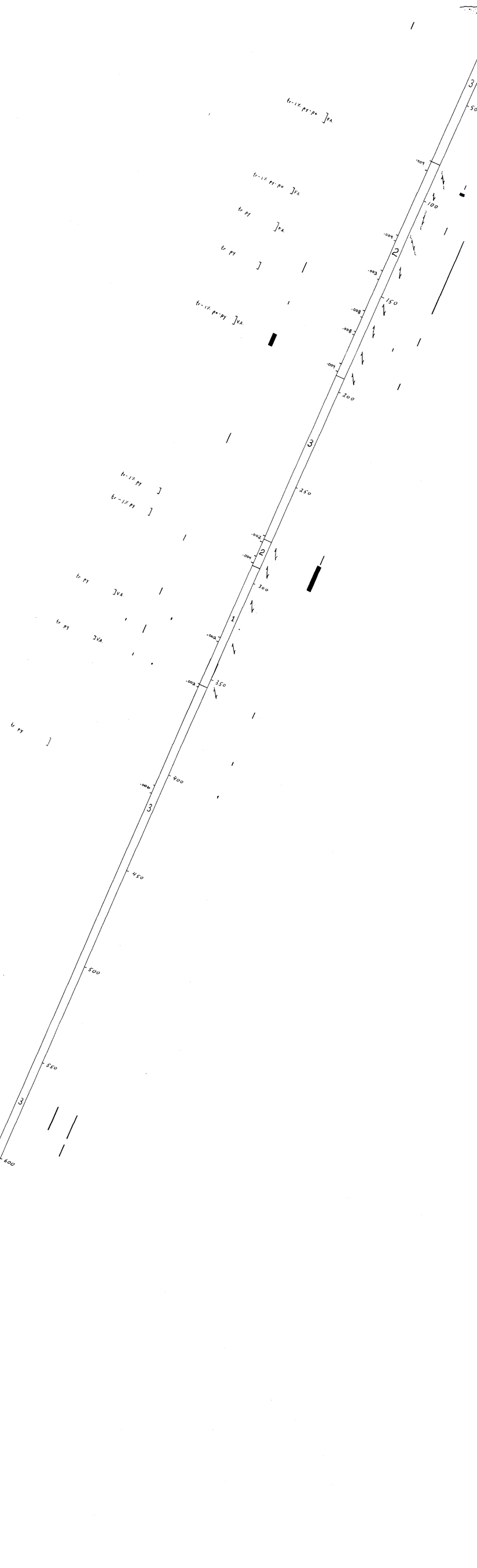
G M L MINERALS CONSULTING LTD.

DRAFTED BY: RP	SCALE:
DATE: Jan/88	FIGURE:
REVISED:	

OM88-296

88-DDH-41

Departure:
Latitude:
Elevation:
Bearing: 212° True
Dip:
collar: -66°
200' 64°
400' 64°
607' 64°
785' 63°



SCALE
20 10 0 20 40ft.

63.5325

CONSOLIDATED JALNA RESOURCES LTD.

PURDEX PROPERTY

DIAMOND DRILL HOLE LITHOLOG

88-DDH-41

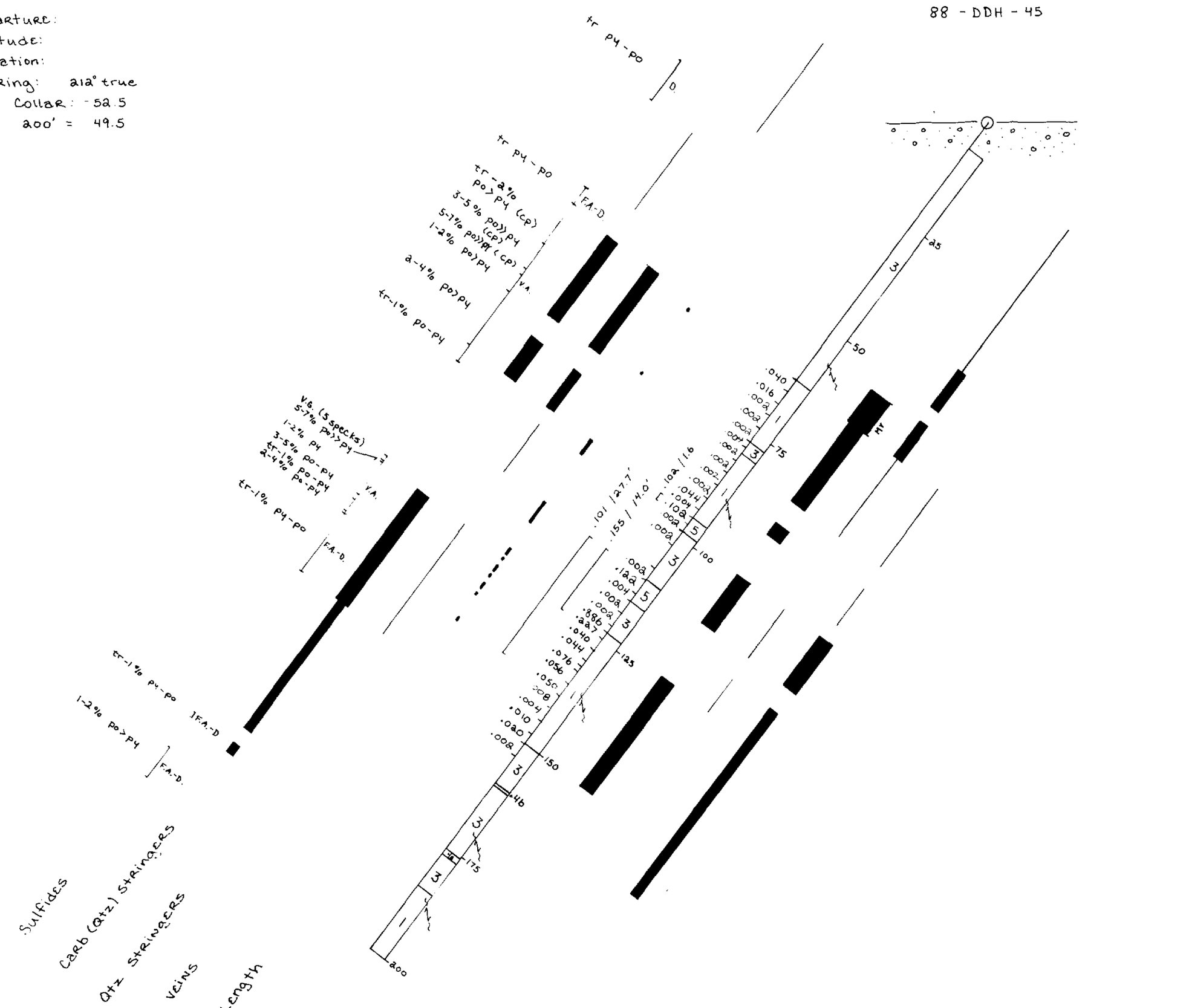
G.M.L. MINERALS CONSULTING LTD.

DRAFTED BY: BM	SCALE:
DATE: Jan 89	FIGURE:
REVISED:	

ON'88-296

88 - DDH - 45

Departure:
Latitude:
Elevation:
Bearing: 212° true
Dip: Collar: -52.5
200' = 49.5



SCALE

20 10 0 20 40 ft.

63-5325

CONSOLIDATED JALNA RESOURCES LTD.

PURDEX PROPERTY

DIAMOND DRILL HOLE LITHOLOG

88-DDH-45

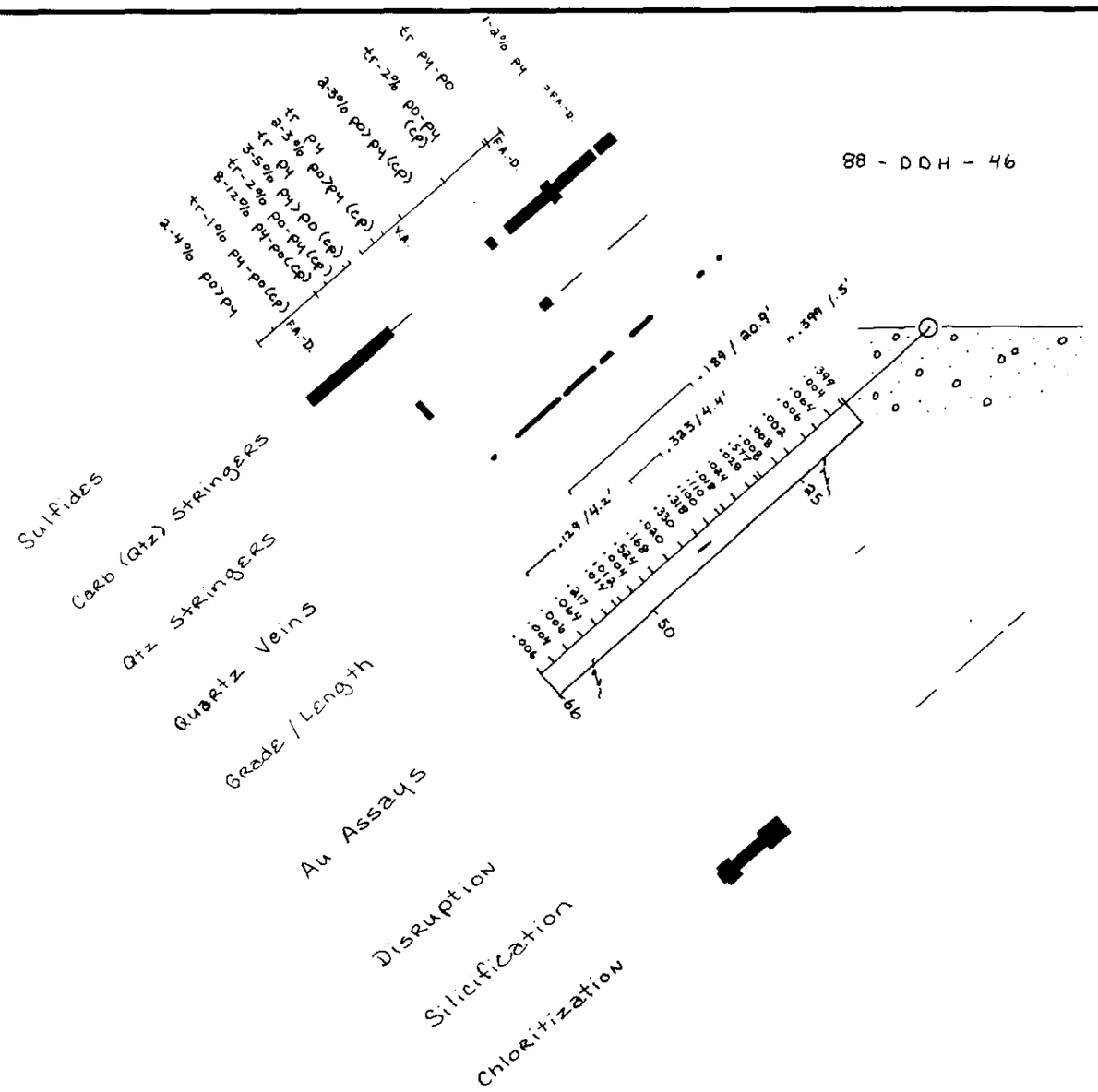
G.M.L. MINERALS CONSULTING LTD.

DRAFTED BY: RP	SCALE:
DATE: JAN 89	FIGURE:
REVISED:	

ON 88-276

DEPARTURE:
Latitude:
Elevation:
Bearing:
Dip: Collar: -41°
66' = 38°

88 - DDH - 46



SCALE

20 10 0 20 40 ft.

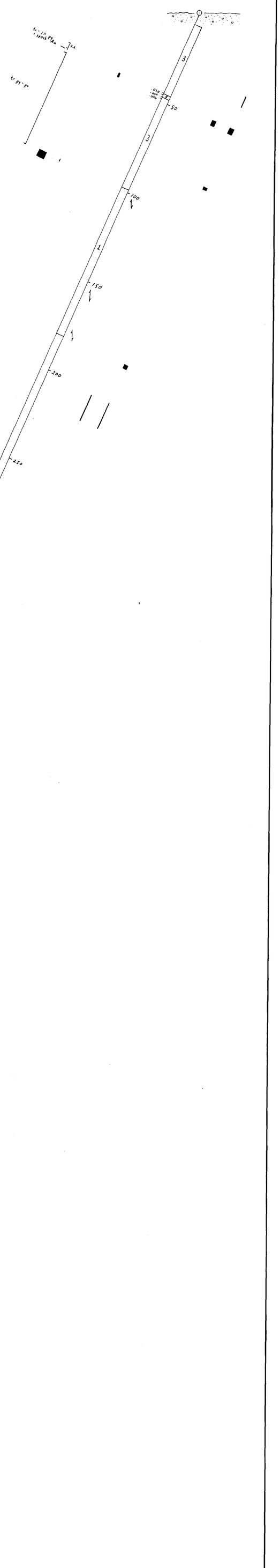
63.5325

CONSOLIDATED JALNA RESOURCES LTD.	
PURDEX PROPERTY DIAMOND DRILL HOLE LITHOLOG 88-DDH-46	
G.M.L. MINERALS CONSULTING LTD.	
DRAFTED BY: RP	SCALE:
DATE: Jan 89	FIGURE:
REVISED:	

ON 58-296

88-DDH-48

Departure:
Latitude:
Elevation:
Bearing: 212° True
Dip: collar -66°
200' 62°
400' 62°
600' 61°
820' 61°



SCALE
20 10 0 20 40 ft.

63.5325

CONSOLIDATED JALNA RESOURCES LTD.

PURDEX PROPERTY

DIAMOND DRILL HOLE LITHOLOG

88-DDH-48

G.M.L. MINERALS CONSULTING LTD.

DRAFTED BY: BM	SCALE:
DATE: Jan 89	FIGURE:
REVISED:	

OM88-270