

007018

REPORT ON THE DEBBIE PROPERTY
NANAIMO & ALBERNI MINING DIVISIONS
VANCOUVER ISLAND, BRITISH COLUMBIA

LOCATION

N.T.S.: 92F-2E, 7E
Latitude: 49° 10' N.
Longitude: 124° 40' W.

PROPERTY FILE
092F 079

FOR

ANGLE RESOURCES LTD.
&
NEXUS RESOURCE CORPORATION
3270-666 Burrard Street
Vancouver, B. C. V6C 2Z9

PREPARED BY

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3707 West 34th Avenue
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~~October 28, 1987~~
(Revised December 4, 1987)

SUMMARY

The Debbie Property, consisting of 21 metric claims totaling 247 units is situated in the Nanaimo and Alberni Mining Divisions about 4 km east of Port Alberni, Vancouver Island, B.C. The property is owned 50% by Westmin Resources Limited and 50 % by Nexus Resource Corporation and Angle Resources Ltd.

The Debbie Property has good road access via Highway 4 and Cameron Main and logging access along China Creek and Rogers Creek. A mining road up Mineral Creek and logging road up Yellow Creek in the south central part of the property provides partial access to the main mineral zones but extension of the existing road system is required to complete surface exploration.

The property is mainly underlain by sedimentary and volcanic rocks of the Sicker Group with Nitinat and Myra Formation well exposed by a major north-northeast trending fault zone in the Yellow and Mineral Creek area. The fault zones are well mineralized with geological, geochemical and geophysical evidence that mineralization may extend for several kilometers. Three main structurally controlled mineralized zones with epithermal gold mineralization are referred to as the Mineral Creek Zone, 900 Zone and Linda Zone. The Linda and Mineral Creek Zones have been traced onto the adjoining Yellow property which is controlled by Angle Resources Ltd. and Reward Resources Ltd.

An exhalitive massive sulphide target has been located in the Regina area of the Debbie Property. Base metal mineralization is stratigraphically below a thick pile of felsic volcanic rocks. A drill hole intersected greater than 100 meters of semi-massive sulphide mineralization with subeconomic copper and anomalous gold values.

The writer agrees with Watkins (1987) conclusions that, "The Mineral Creek area offers the greatest potential for the realization of ore." Definition drilling on the zones is required to identify combined reserves adequate to justify a central milling facility. Possible extensions of the Linda and Mineral Creek zones occur on the enclosed Yellow Property that is presently being explored by Angle Resources Ltd. and Reward Resources Ltd. Westmin Resources has estimated the economic potential of the Mineral Creek area on the Debbie Property at 1,189,000 tons grading 0.17 ounces per ton gold with the ore potential increased if the area of the Yellow claim is included.

The writer agrees with Westmin's proposed program of property wide geological mapping, extension of soil and rock geochemical surveys, selective employment of geophysical surveys, and drill testing of identified targets. Road building and trenching will be required to provide access to targets. A budget of \$2,200,000 is recommended for next exploration Stage with the Angle Resources Ltd. portion being \$ 785,000 and the Nexus Resource Corporation portion being \$400,000.

INTRODUCTION

The writer was retained by the management of Angle Resources Ltd. and Nexus Resource Corporation to review exploration reports on Debbie Property, summarize previous exploration programs and recommend a program for further development of the Debbie Property. The writer examined the Debbie Property on May 11, 1987. The exploration status of the Debbie Property is documented in a comprehensive report by J. J. Watkins, E. A. G. Trueman and G. A. Price dated July 15, 1987.

This report provides a summary of the Watkins-Trueman-Price report and outlines an exploration program designed to further define the extent and tenor of the auriferous zone on the Debbie Property.

PROPERTY LOCATION, ACCESS, AND TITLE (Figures 1 & 2)

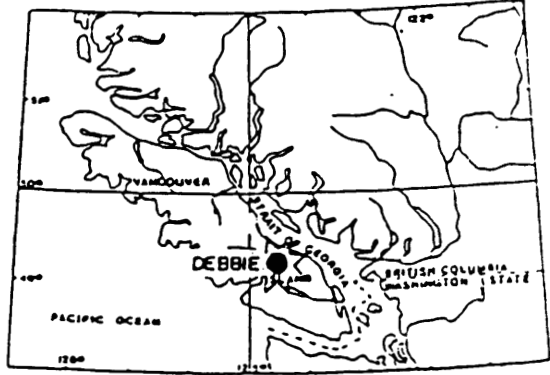
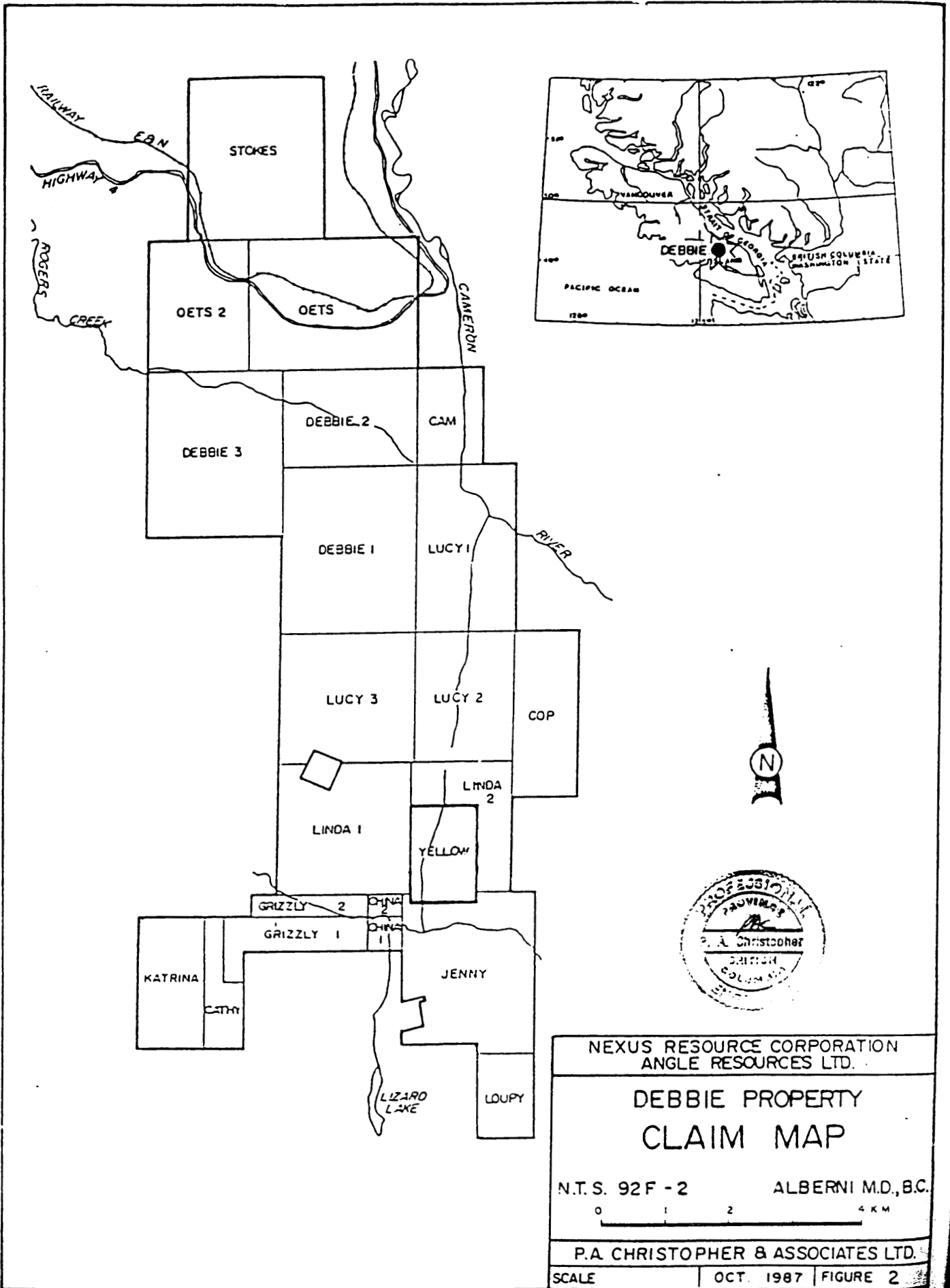
The Debbie Property is located about 4 kilometers east of Port Alberni in the Alberni and Nanaimo Mining Divisions of British Columbia. A 21 claim block is centered at approximately 49° 10'N latitude and 124° 40'W longitude on 1:50,000 NTS mapsheets 92F/2 and 92F/7 and covers a contiguous block 6 by 16 kilometers.

The Debbie Property straddles the Cameron River valley and is segmented by two northwest trending valleys occupied by China Creek and Rogers Creek. The area is mountainous with elevations ranging from 350 meters to 1310 meters. The property centers on McLaughlin Ridge which is bounded on the north and south by Rogers and China creeks, respectively.

The E and N Railway line and main Highway 4 cross the property north of Rogers Creek. Local access to the property is via the MacMillan Bloedel Cameron Main, Yellow Creek, Mineral Creek and China Creek logging roads from Port Alberni. At about 7 kilometers on the China Creek road, a 4WD road turns northerly to access the Mineral Creek area and the old Vancouver Mine site. Logging road YC 840 along Yellow Creek accesses the top of McLaughlin Ridge with trails extending to old working and helicopter access drill sites in the upper Mineral Creek area.

The Debbie Property consists of the 21 metric claims covering about 6,000 hectares in the Alberni and Nanaimo Mining Divisions. The property includes claims which are owned by Westmin Resources Limited and Nexus Resource Corporation that were staked between April 1979 and May 1986. Westmin Resources Ltd. holds precious metal rights on all of its claims and base metal rights on approximately 76% of its claim area and Nexus Resource Corporation holds only precious metal rights on its claims. Base metal rights to part of the property are owned by MacMillan Bloedel Ltd.

The Property operator is Westmin Resources Limited with Angle Resources Ltd. and Nexus Resources Corporation sharing a 50% working interest. Pertinent claim data is summarized in Table 1 and the claim location is shown on Figure 2.



NEXUS RESOURCE CORPORATION
 ANGLE RESOURCES LTD.

**DEBBIE PROPERTY
 CLAIM MAP**

N.T.S. 92 F - 2 ALBERNI M.D., B.C.

0 1 2 4 KM

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SCALE OCT. 1987 FIGURE 2

Table 1. Pertinent Claim Data Yellow Claim.

<u>CLAIM</u>	<u>RECORD #</u>	<u>UNITS</u>	<u>RECORD DATE</u>	<u>WORK DUE</u>	<u>OWNED BY</u>
Debbie 1	451 (5)	20	May 2, 1979	1988	Westmin
Debbie 2	452 (5)	12	"	1997	"
Debbie 3	453 (5)	20	"	1988	"
Lucy 1	372 (5)	15	"	1997	"
Lucy 2	372 (5)	12	"	1997	"
Lucy 3	374 (5)	16	"	1997	"
Linda 1	454 (5)	16	"	1997	"
Linda 2	455 (5)	12	"	1997	"
Jenny	636 (11)	20	Nov. 13, 1979	1997	"
Cam	930 (6)	6	June 30, 1980	1997	"
Oets	507 (8)	20	June 28, 1979	1997	"
Oets 2	507 (8)	12	Aug. 3, 1979	1988	"
Stokes	1306 (8)	20	Aug. 24, 1981	1988	"
Cop	1002 (8)	10	Aug. 24, 1981	1997	"
Loupy	637 (11)	6	Nov. 13, 1979	1997	"
China	1234 (5)	2	May 14, 1981	1997	Nexus
Grizzly	1239 (5)	8	May 26, 1981	1997	"
China 2	2923 (5)	1	May 28, 1986	1997	"
Grizzly 2	2924 (5)	3	"	1997	"
Cathy	2922 (5)	8	April 21, 1983	1997	"
Katrina	1726 (4)	8	"	1988	"

21 claims

247 units

HISTORY

Exploration activity in the Debbie Property area dates from the early 1860's with small scale placer production from China Creek as early as 1862. Attention later shifted to gold-bearing quartz veins with several vein occurrences developed by adits and pits (Figure 5).

The Vancouver Island Gold Mine on the enclosed Yellow Property, one of five past gold producers in the area was first worked in 1895 when the original claims were staked. From 1896 to 1898 a relatively minor amount of tunneling was carried out yielding about 32 tons of ore, and a 10 ton per day, 8 stamp mill was constructed by the Consolidated Alberni Gold Mining Company. The property was active again between 1933 and 1936 when it was operated by Vancouver Island Gold Mines, Limited. A 35-ton pilot mill was constructed in 1936 but because of operating difficulties milled only a few tons of ore (Stevenson, 1945). The Vancouver Island Gold Mine produced 438 tonnes yielding 384 ounces of gold, 52 ounces of silver and 88 kilograms of copper between 1896 and 1939 (Naciuk and Hawkins, 1987). Other gold producers in the area include the Thistle Mine, Black Panther Mine, 3-W Mine and Havilah Mine.

A regional aeromagnetic survey, flown by Hunting Survey Corp. Ltd. in 1962 covered part of the claim block. During the period 1963-1966, Gunnex Ltd. carried out a regional mapping program over a large portion of the E & N Land Grant, with some prospecting and silt sampling. Some sampling was carried out at the Vancouver Island Gold

Mine in 1964. Keywest Resources Ltd. carried out surface and underground mapping and sampling in 1973 and 1974. Western Mines Ltd. carried out reconnaissance geological mapping and soil sampling in the area in 1976. The area of the Vancouver Island Mine was acquired as the Yellow Property by Silver Cloud Mines Ltd. in 1979 and in 1986 the Yellow Property was optioned to Angle Resources Ltd. and Reward Resources Ltd. The Yellow Property appears to contain mineralized extensions of both the Upper and Lower Mineral Creek zones on the Debbie Property.

Mineral claims comprising were acquired by Westmin Resources Ltd. starting in April 1979 and initially evaluated for precious metal enhanced, exhalitive massive sulphide deposits like Westmin's deposits at Buttle Lake. The initial evaluations (Benvenuto 1981, 1982, 1983) attempted to define favourable stratigraphy in the Sicker Group for hosting exhalitive sulphide ore deposits. A drill test of the Roger's Creek sphalerite occurrence was made in 1984 by Noranda Exploration Ltd. (Walker, 1986; Walker and Benvenuto, 1985).

Pursuant to an agreement dated July 16, 1986, Nexus Resource Corporation obtained an option to earn an undivided 50% interest in the Debbie Property by expending on exploration \$ 461,000 on or before February 27, 1987 and an additional \$ 539,000 on or before February 27, 1988. Pursuant to an agreement dated December 9, 1986, Angle Resources Ltd. funded the second portion of the exploration program at a cost of \$ 539,000 to earn a 50% interest in the Nexus interest.

The 1986-1987 work program funded mainly by Nexus Resource Corporation and Angle Resources Ltd. resulted in accelerated exploration of the Debbie Property. The work was concentrated in the Mineral and Yellow creeks area and the Regina area of the property. A total of 62 drill holes, totaling 9650.0 meters, tested five areas identified by basic geological, geochemical and geophysical surveys and resulted in the discovery of three gold zones. A comprehensive report entitled "1986-1987 Debbie Project Report" and dated July 15, 1987 was prepared for the joint venture by John J. Watkins, E.A.G. Truemen and Georgina A. Price. The Watkins-Truemen-Price report provides the basis for this summary report. Watkins (1987) stated that, "The Mineral Creek area offers the greatest potential for the realization of ore. Definition drilling on the three zones is recommended in order to identify a combined ore reserve that will justify a central milling facility. The combined economic potential of the Mineral Creek area on the Debbie Property resulting from the 1986-1987 program is 1,180,000 tons grading 0.17 ounces per ton gold. The potential of the Mineral Creek area can be increased if the Yellow claim, centered on Mineral Creek is included in the total ore potential picture."

The 1986-1987 program on the Debbie Property included the drilling of 62 holes totaling 9,650 meters. The Upper Mineral Creek, Regina, 900, Yellow Creek and Lower Mineral Creek zones were drill tested with 4,081.9 meters, 2,319.0 meters, 1,923.5 meters, 744.6 meters, and 581.0 meters, respectively.

The 1987-1988 drilling program on the Debbie Property started in June 1987 with drilling in 43 holes totaling 6,070.9 meters completed by October 1, 1987. The results are summarized in a progress report by Ed Lyons dated October 6, 1987. Significant drill results are summarized in a Westmin/Nexus/Angle News Release dated October 9, 1987 with the 900 Zone yielding 6.9 feet of 2.760 oz Au/ton and 1 foot of 3.919 oz Au/ton in holes DN86 and DN89, respectively and the Linda Zone yielding 4.6 feet of 1.31 oz Au/ton in hole DM91. Several wide intersection of low grade gold were obtained from the Mineral Creek Zone (eg. Hole DM87: 64.3 feet at 0.082 oz Au/ton).

REGIONAL GEOLOGY (Figures 3 & 4)

The Debbie Property is situated in the Insular Tectonic Belt of the Canadian Cordillera. The regional geology of the area has been mapped by C.H. Clapp (1912), J.E. Muller and D.J.T. Carlson (1969) and J.E. Muller (1977 and 1980). The predominant rock units in the Port Alberni-Nitinat River area are the Upper Paleozoic Sicker Group, the Lower Mesozoic Vancouver Group, and lesser amounts of Jurassic Island intrusions, Westcoast complex, and late Cretaceous Nanaimo Group (Figures 3 and 4).

The Sicker Group, the oldest rocks in the area, have been divided from oldest to youngest (Muller, 1980) into the Nitinat Formation, Myra Formation, Sediment-Sill Unit, and Buttle Lake Formation. The Nitinat Formation consists predominately of basic volcanic rocks which include flow breccias, massive flows and rare pillow basalts or agglomerates. The abundance of uralitized phenocrysts and pervasive shear foliation are characteristics of the Nitinat Formation. The Myra Formation unconformably overlies the Nitinat Formation and consists of mafic to rhyodacitic banded tuff, breccia, and flows with argillite, siltstone and chert. The Sediment-Sill Unit consists of argillite, siltstone and chert interlayered with tabular diabase bodies. The Buttle Lake Formation consists of limestone and chert.














The Vancouver Group, consisting of the Karmutsen Formation basalts overlain by limestone of the Quatsino Formation and calcareous siltstone, greywacke, silty-limestone and minor conglomerate is the thickest and most widespread group on Vancouver Island. Karmutsen Formation rocks are relatively undeformed and weakly metamorphosed compared to Sicker Group rocks.

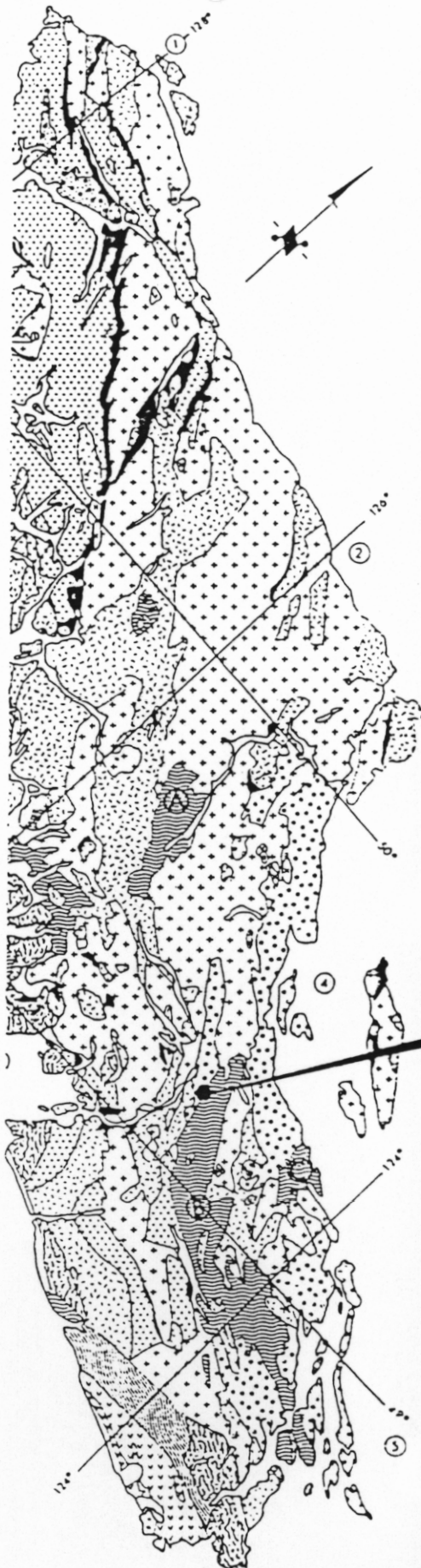
The Lower Jurassic Bonanza Group is made up of interbedded lava, breccia, and tuff ranging in composition from basalt to rhyolite with interbedded marine argillite and greywacke. The Upper Cretaceous Nanaimo Group, consisting of shale, siltstone, sandstone, conglomerate and coal has been separated into at least nine formations.

The Island Intrusions are the most widespread intrusive unit on Vancouver Island. The unit varies in composition from granodiorite to granite and has caused a number of skarn deposits where it encounters limy units.

Geological sketch map of Vancouver Island.

LEGEND

	CARMANAH GROUP	MIDDLE TERTIARY
	CATFACE INTRUSIONS	EARLY TO MIDDLE TERTIARY
	METCHOSIN VOLCANICS	EARLY TERTIARY
	NANAIMO GROUP	LATE CRETACEOUS
	QUEEN CHARLOTTE GROUP KYUQUOT GROUP	LATE JURASSIC TO
	LEECH RIVER FORMATION PACIFIC RIM COMPLEX	EARLY CRETACEOUS
	ISLAND INTRUSIONS	EARLY AND (?) MIDDLE JURASSIC
	BONANZA GROUP	EARLY JURASSIC
	VANCOUVER GROUP	LATE AND (?) MIDDLE TRIASSIC
	PARSON BAY FORMATION QUATSINO FORMATION	
	KARMUTSEN FORMATION	
	SICKER GROUP	PALEOZOIC
	METAMORPHIC COMPLEXES	JURASSIC AND OLDER



DEBBIE PROPERTY

- ① ALERT BAY - CAPE SCOTT, 92 L - 102 I (G.S.C. PAPER 74-8)
 - ② BUTE INLET, 92 K (IN PREPARATION), O.P. MAP 345
 - ③ NOOTKA SOUND, 92 E (IN PREPARATION)
 - ④ ALBERNI 92 F (G.S.C. PAPER 68-50)
 - ⑤ VICTORIA, 92 B.C (FIELD WORK IN PROGRESS. SEE G.S.C. PAPERS 75-1A, p. 21-20; 76-1A, p. 107-111, 77-1A, p. 287-294.1)
- A — BUTTLE LAKE UPLIFT
 - B — COWICHAN - HORNE LAKE UPLIFT
 - C — NANOOSE UPLIFT

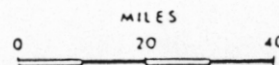
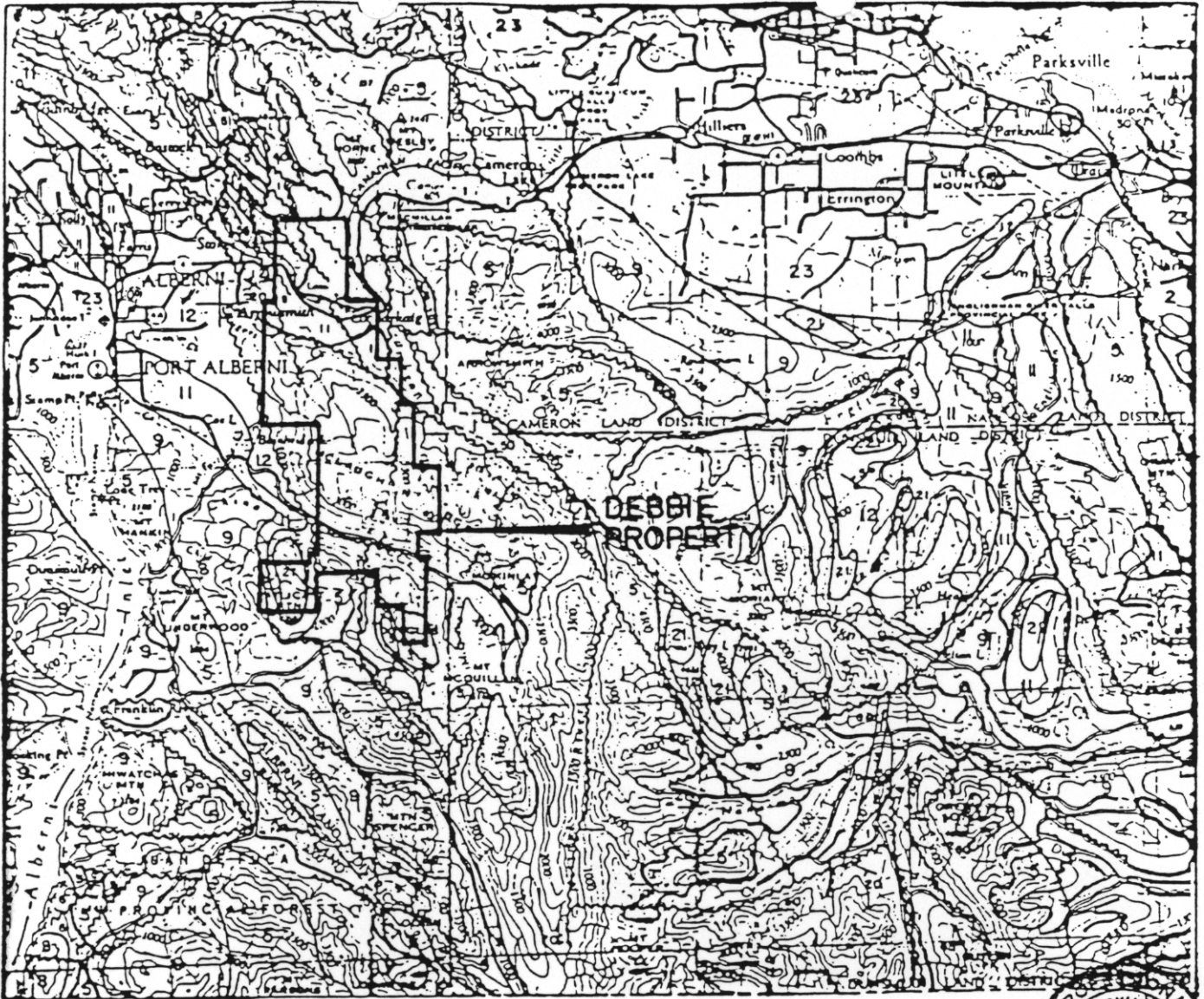


FIGURE 3 : REGIONAL GEOLOGY
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LEGEND

QUATERNARY

23 Glacial and alluvial deposits

TERTIARY

21 Hornblende quartz diorite, leuquartz monzonite, porphyritic dacite, breccia.

UPPER CRETACEOUS

NANAIMO GROUP

13 EXTENSION-PROTECTION FM.: sandstone, conglomerate, shale, coal.

12 HASLAM FM.: shale, siltstone, fine sandstone.

11 COMOX FM.: sandstone, conglomerate, shale, coal.

MIDDLE TO UPPER JURASSIC

9 ISLAND INTRUSIONS: biotite-hornblende granodiorite, quartz diorite.

LOWER JURASSIC

8 BONANZA GROUP: andesitic to latitic breccia, tuff, and lava; minor greywacke, argillite, and siltstone.

UPPER TRIASSIC

VANCOUVER GROUP

6 QUATSINO FM.: massive to thick bedded limestone, minor thin bedded limestone.

5 KARMUTSEN FM.: pillow-basalt and pillow breccia, massive basalt flows; minor tuff, volcanic breccia; Jasperoid tuff, breccia and conglomerate at base.

TRIASSIC OR PERMIAN

4 Gabbro, peridotite, diabase.

LOWER PERMIAN TO PENNSYLVANIAN SICKER GROUP

3 BUTTLE LAKE FM.: limestone, chert

2 MYRA FM.: lower unit; argillite, greywacke, conglomerate, tuff, minor limestones. Upper unit; rhyodacite to rhyolite tuff, lapilli tuff, breccia lesser siliceous siltstone, argillite, quartz porphyry and mafic flows.

1 NITINAT FM.: basaltic uralite porphyry, agglomerate, pillow lava; greenschist.

0 5 10 km



NEXUS RESOURCE CORPORATION ANGLE RESOURCES LTD.	
DEBBIE PROPERTY REGIONAL GEOLOGY	
N.T.S. 92F-2	ALBERNI M.D., B.C.
P.A. CHRISTOPHER & ASSOCIATES LTD.	
OCT. 1987	FIGURE 4

PROPERTY GEOLOGY

The Debbie Property is underlain by andesitic to basaltic flows, pillow-basalt, tuff, agglomeratic to fine-grained, cherty tuff, and chert of the Nitinat and Myra Formations of the Paleozoic Sicker Group. A mineralized north-northeast striking fault zone trends along Mineral Creek and Yellow Creek. Drilling has indicated steep easterly dips with a number of subparallel fault zones. Regional mapping has indicated left and right lateral offset of the Mineral Creek Fault zone by a northwesterly trending fault structure along Rogers Creek and China Creek respectively.

The geology of the Debbie Property has been mapped by Watkins, Truemen and Price (1987) with regional 1:5,000 scale mapping and zones mapped in greater detail. They divide volcanic rock into at least 10 mappable units in the Upper Mineral Creek area. The area is underlain by a easterly dipping, north-northwest trending acidic to mafic volcanic sequence. A volcanoclastic interval overlies and is in sharp contact with a mainly aphyric and amygdaloidal basalt units. The contact may represent the geologic boundary of the Nitinat and Myra Formations of the Sicker Group. The volcanic rocks are intruded by a andesitic porphyry body.

Pervasive alteration and a number of disruptive structures related to the Mineral Creek fault complex have masked primary features in the Upper Mineral Creek area. Fault structures have caused a mineralized fault breccia zone.

The 900 Zone is underlain by pillow basalt, banded chert/tuff, amygdaloidal basalt, rhyolite-basalt agglomerate lapilli tuff and porphyritic basalt. The units are folded into an open anticline that plunges gently southward. The 900 Zone is a pipe like body which occurs in a flexure resulting from offset of the the north-northeast 900 Fault by the west-northwest W Fault.

The Regina area is interpreted (Price 1987 part D. Regina Area) to be underlain by a northwest-trending graben characterized by a sharp facies change from interbedded rhyolites and basalts to a thick monotonous pillow basalt sequence. Base metal enhanced pyrite mineralization occurs in the volcanoclastic rocks at the facies transition.

MINERALIZATION (Figure 5)

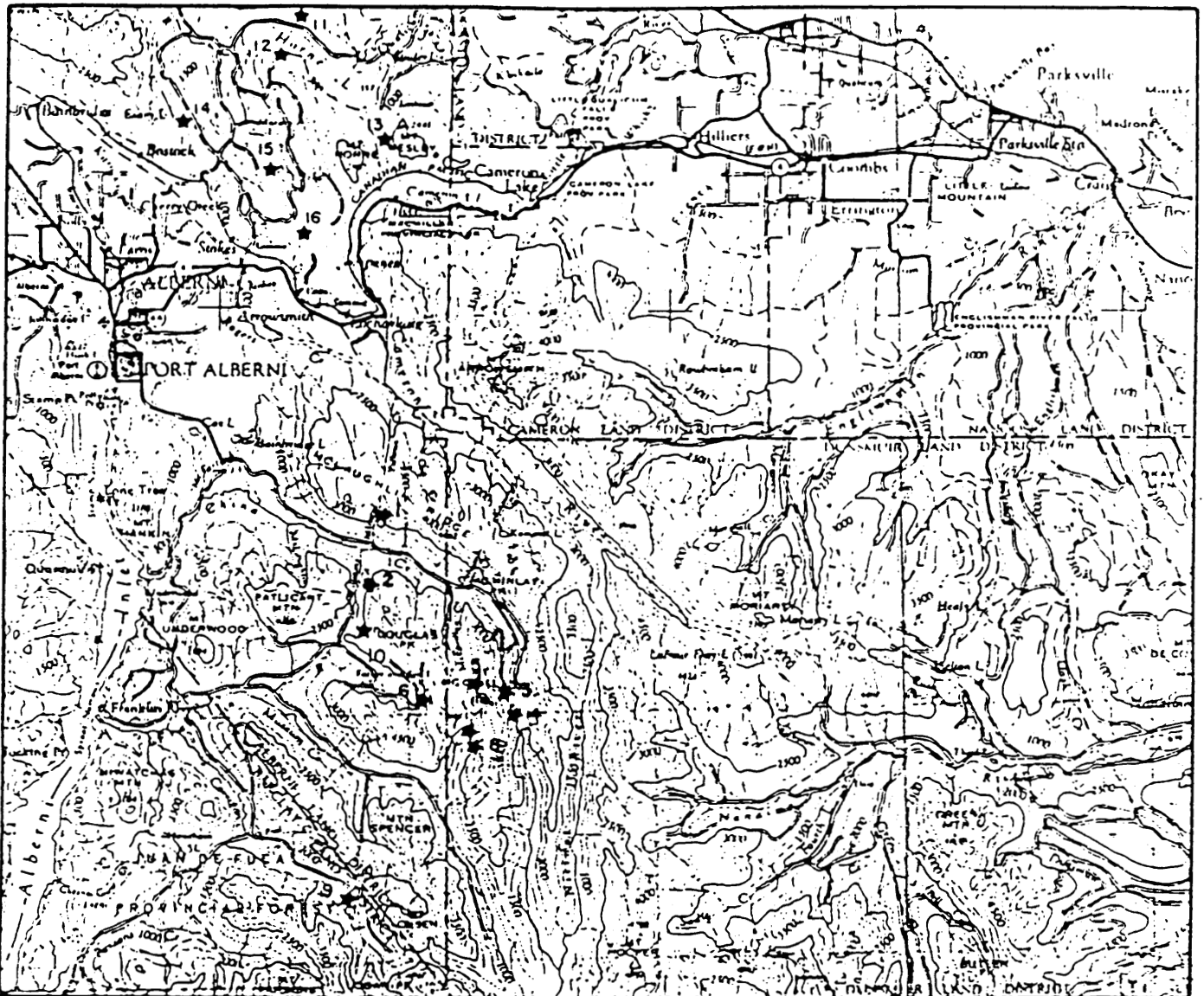
The Sicker Group is the host for a number of precious metal enhanced volcanogenic massive sulphide deposits and structurally controlled vein deposits on Vancouver Island. Volcanogenic massive sulphide deposits include the Lynx, Myra and H-W deposits of Westmin Resources Limited at Buttle Lake, the Twin J Mine and Laura Property near Mt. Sicker in the Duncan area, and the Thistle Mine (Figures 3 & 5). The reserves of the H-W deposit are 15.23 million tons grading

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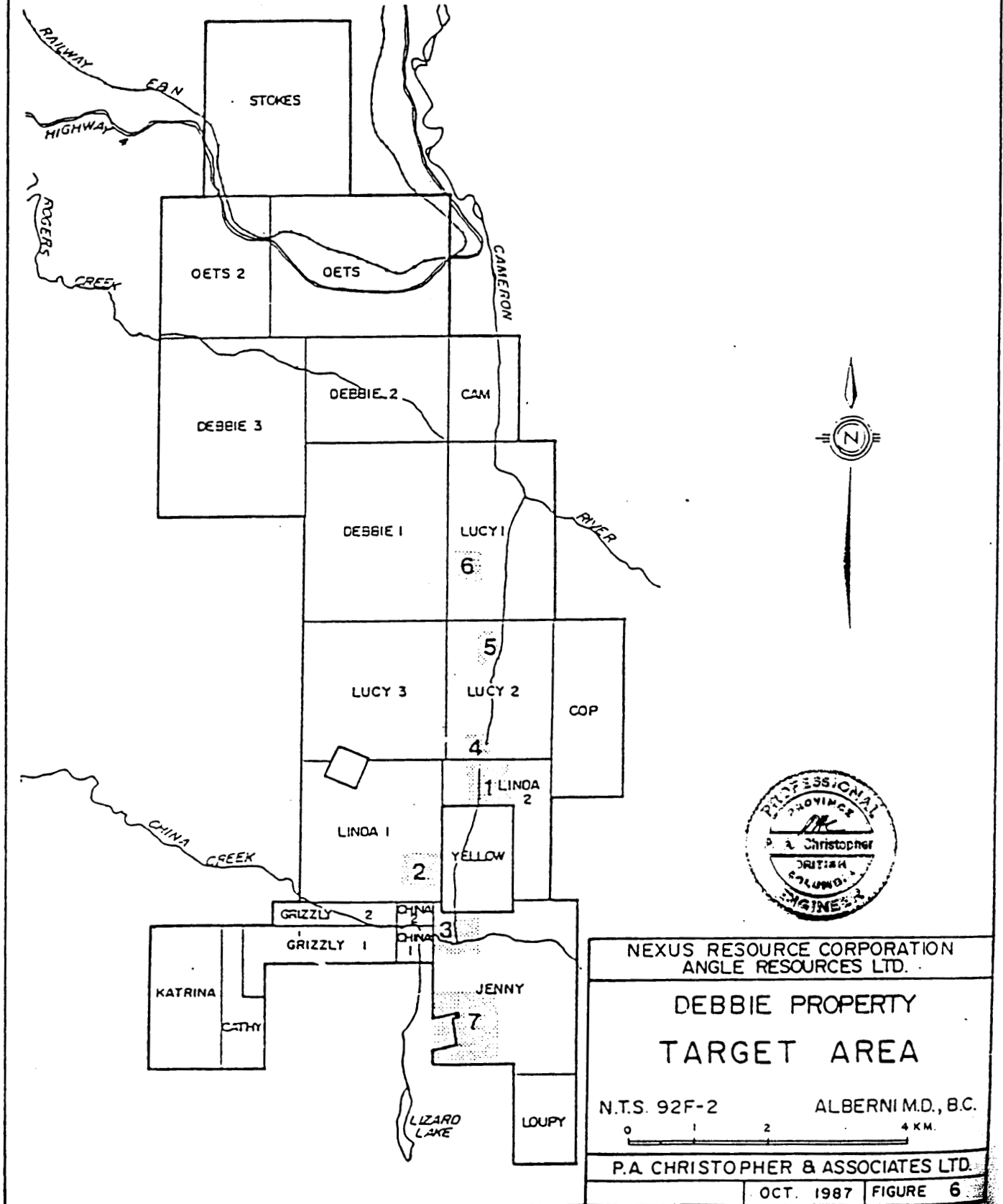
GOLD DEPOSITS AND OCCURRENCES

- | | |
|-------------------------------|-----------------------|
| 1. Vancouver Island Gold Mine | 11. P.D |
| 2. Regina | 12. Silver Bell |
| 3. Golden Eagle | 13. Mt. Wesley Copper |
| 4. B & K. | 14. Esary Lake |
| 5. Havilah | 15. Lacy Lake |
| 6. Thistle | 16. Cameron Lake |
| 7. Black Panther | |
| 8. Black Lion | |
| 9. 3-W | |
| 10. Lizard Lake | |

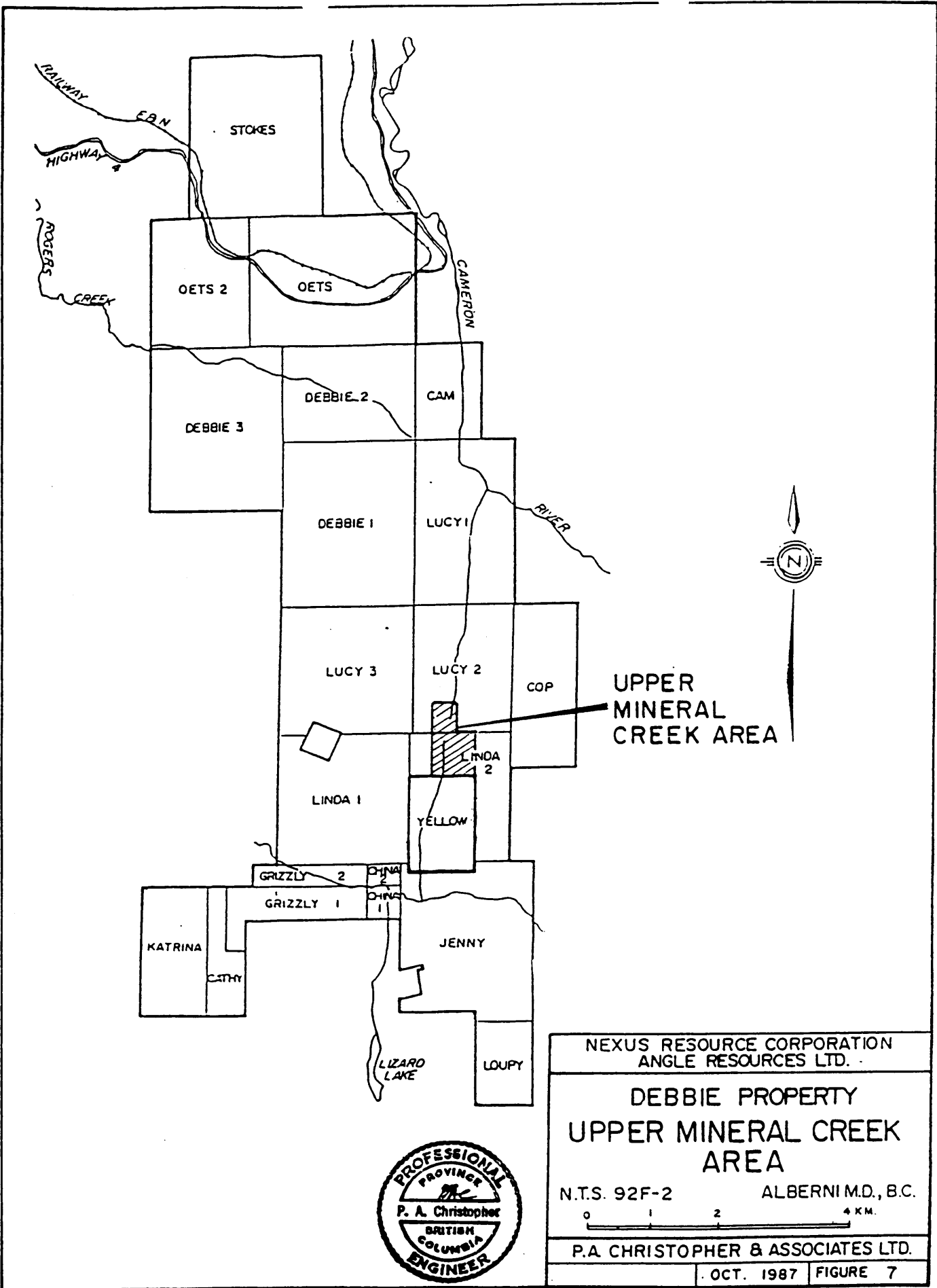


NEXUS RESOURCE CORPORATION ANGLE RESOURCES LTD.	
DEBBIE PROPERTY MINERAL OCCURRENCE	
N.T.S. 92F - 2	ALBERNI M.D., B.C.
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OCT. 1987	FIGURE 5

Identified targets on the Mineral Hill field grid: 1-Upper Mineral Creek, 2-900, 3 - Lower Mineral Creek, 4 - Upper Mineral Creek west, 5 - Yellow Creek, and 6 - 4400 anomaly. Not on the Mineral Hill field grid: 7 - Regina area.



NEXUS RESOURCE CORPORATION
 ANGLE RESOURCES LTD.
**DEBBIE PROPERTY
 TARGET AREA**
 N.T.S. 92F-2 ALBERNI M.D., B.C.
 0 1 2 4 KM.
 P.A. CHRISTOPHER & ASSOCIATES LTD.
 OCT. 1987 FIGURE 6



10555N



DM18 DM22

NEXUS RESOURCE CORPORATION
ANGLE RESOURCES LTD.

DEBBIE PROPERTY UPPER MINERAL CREEK DRILL HOLE PLAN

N.T.S. 92F-2

ALBERNI M.D., B.C.

0 50 100 150 METRES

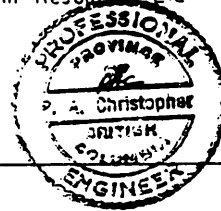
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SCALE 1:2500

OCT. 1987

FIGURE 8

After Westmin Resources Ltd



10400N

UPPER MINERAL CREEK ZONE
POSSIBLE GEOLOGICAL RESERVE
1,189,000 tons @ .17 oz Au/ton.

10325N

10295N

10235N

10165N

10130N

10095N

10080N

10065N

10035N

10010N

10000N

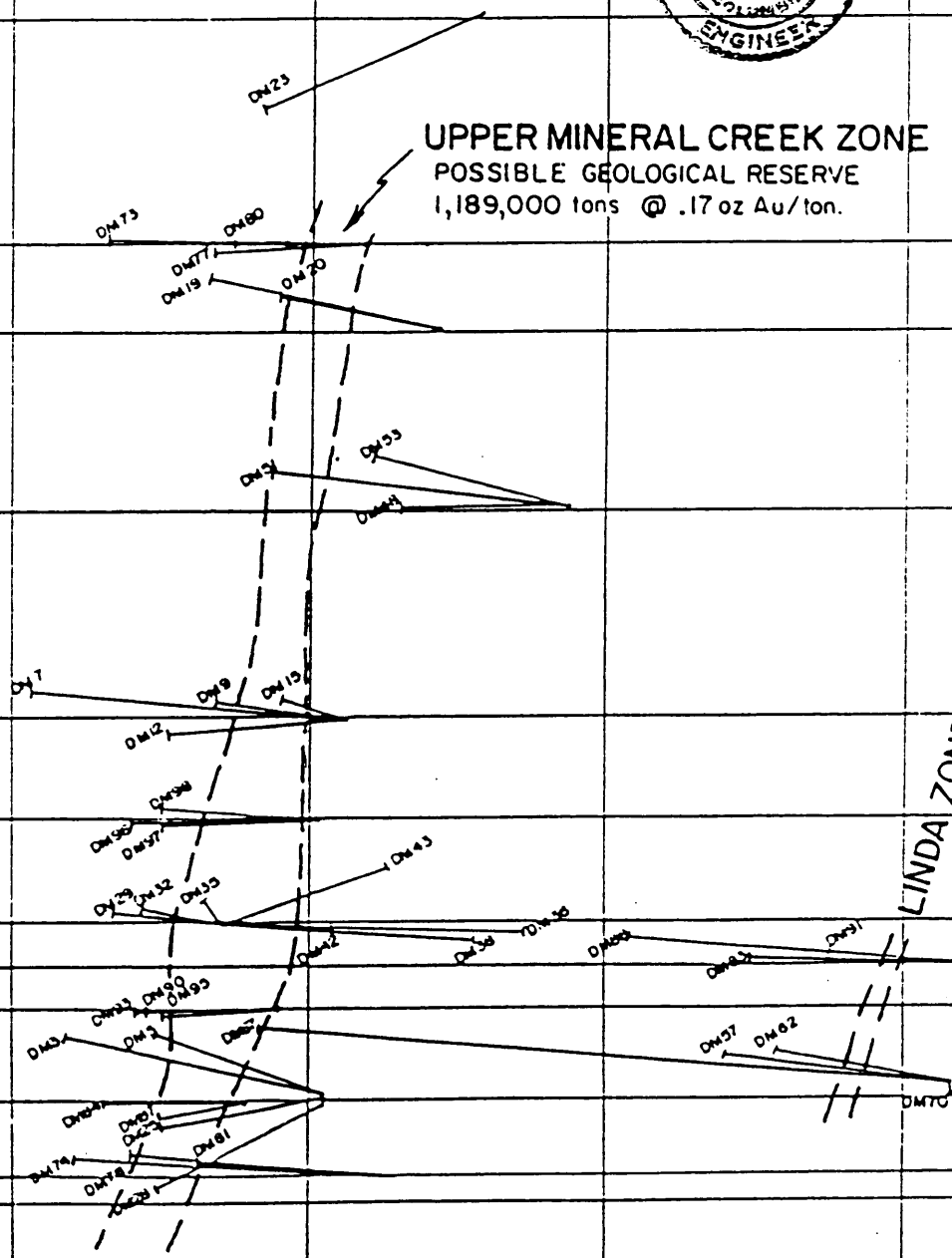
LINDA ZONE

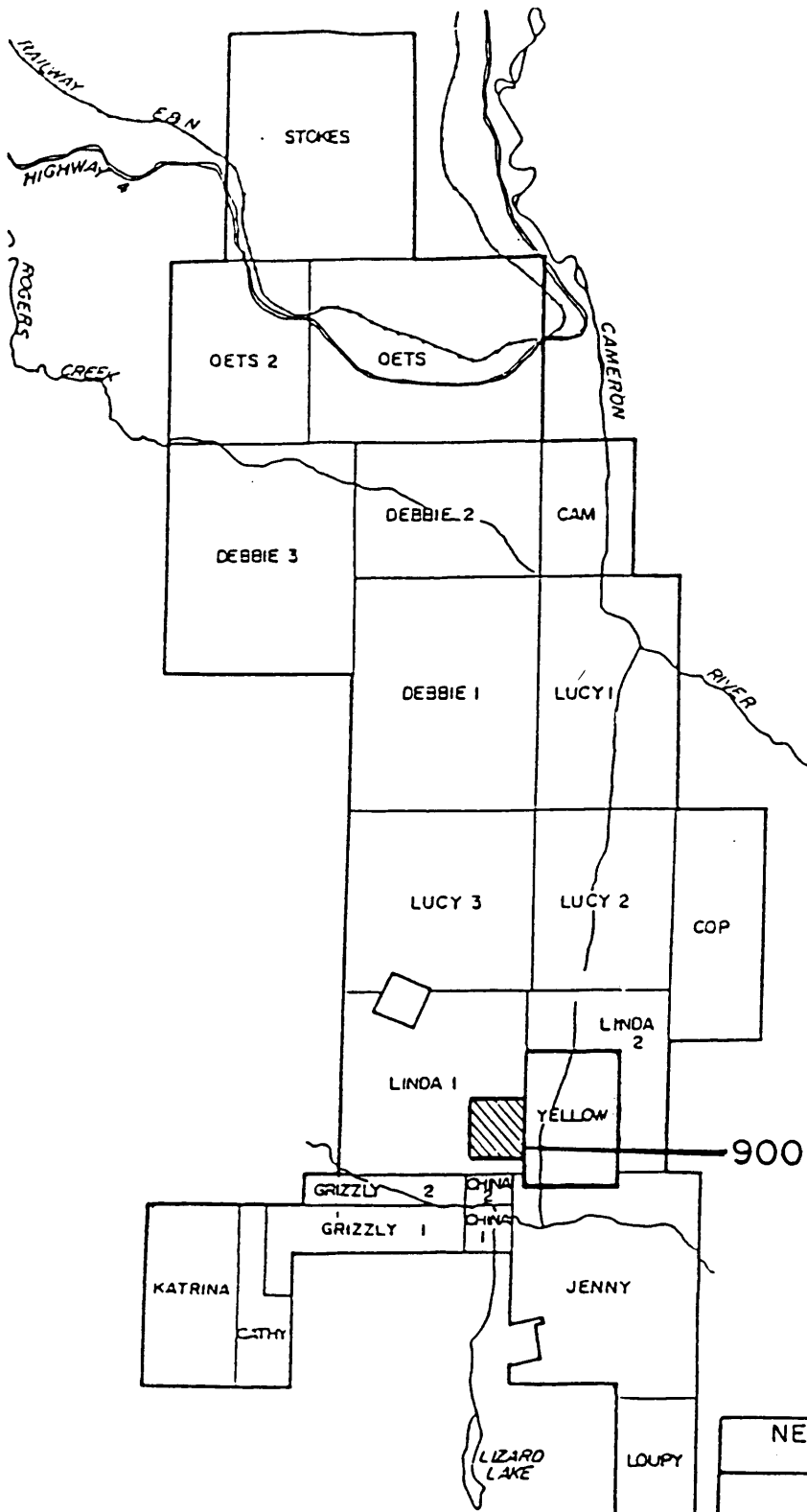
10400E

10500E

10600E

10700E

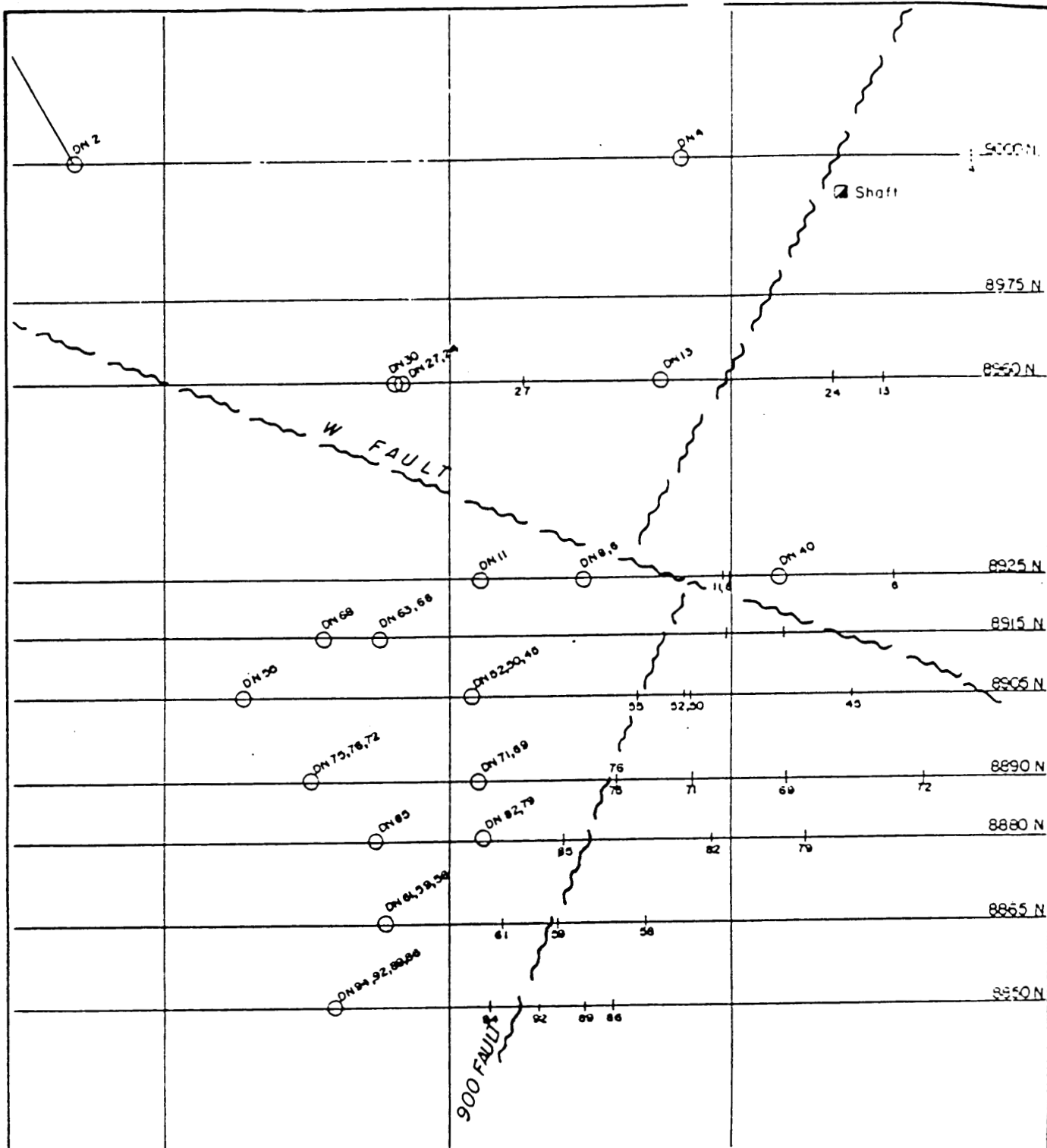




900 AREA

NEXUS RESOURCE CORPORATION ANGLE RESOURCES LTD.	
DEBBIE PROPERTY 900 AREA	
N.T.S. 92F-2	ALBERNI M.D., B.C.
P.A. CHRISTOPHER & ASSOCIATES LTD.	
OCT. 1987	FIGURE 9





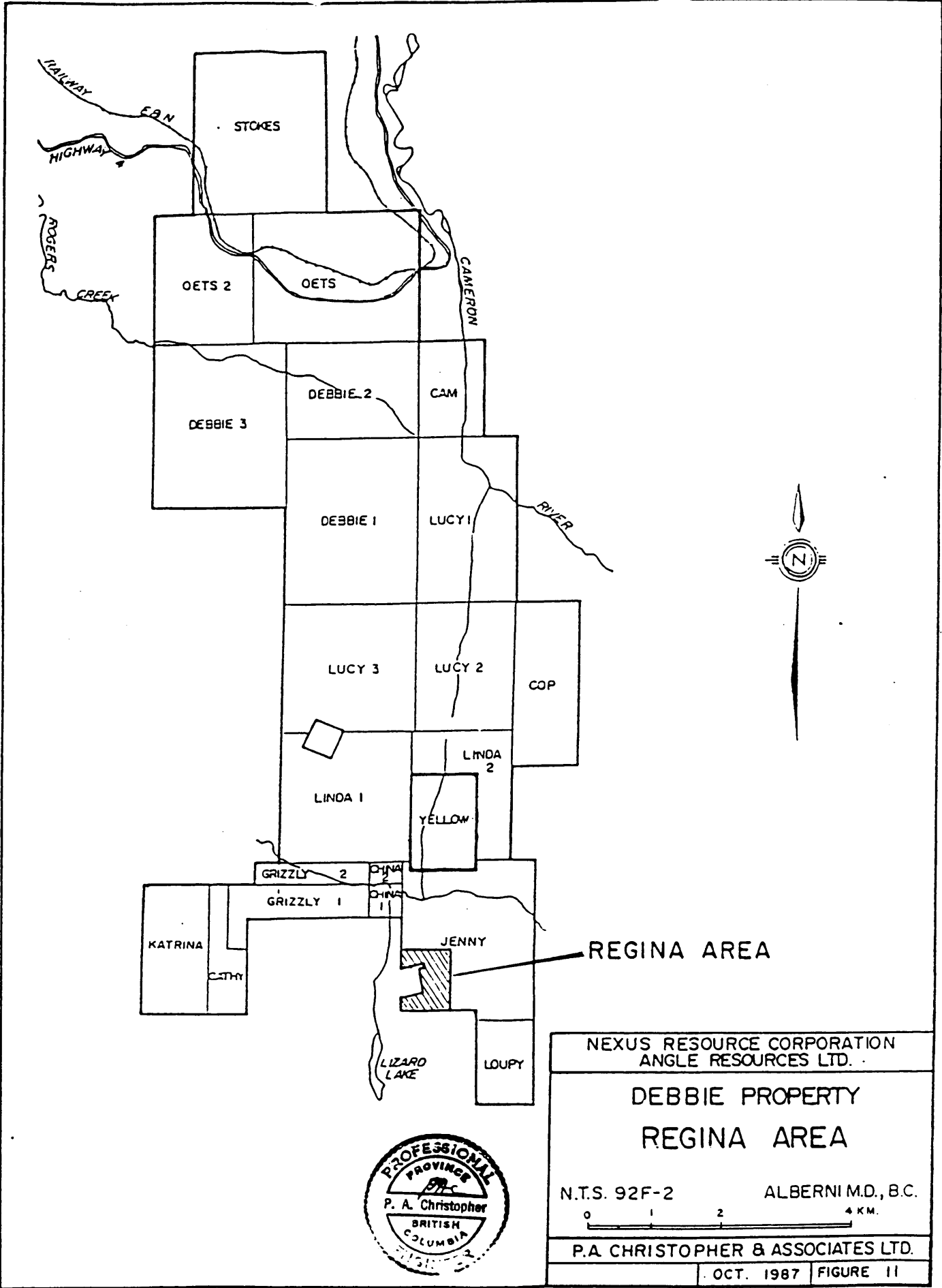
9825 E

9875 E



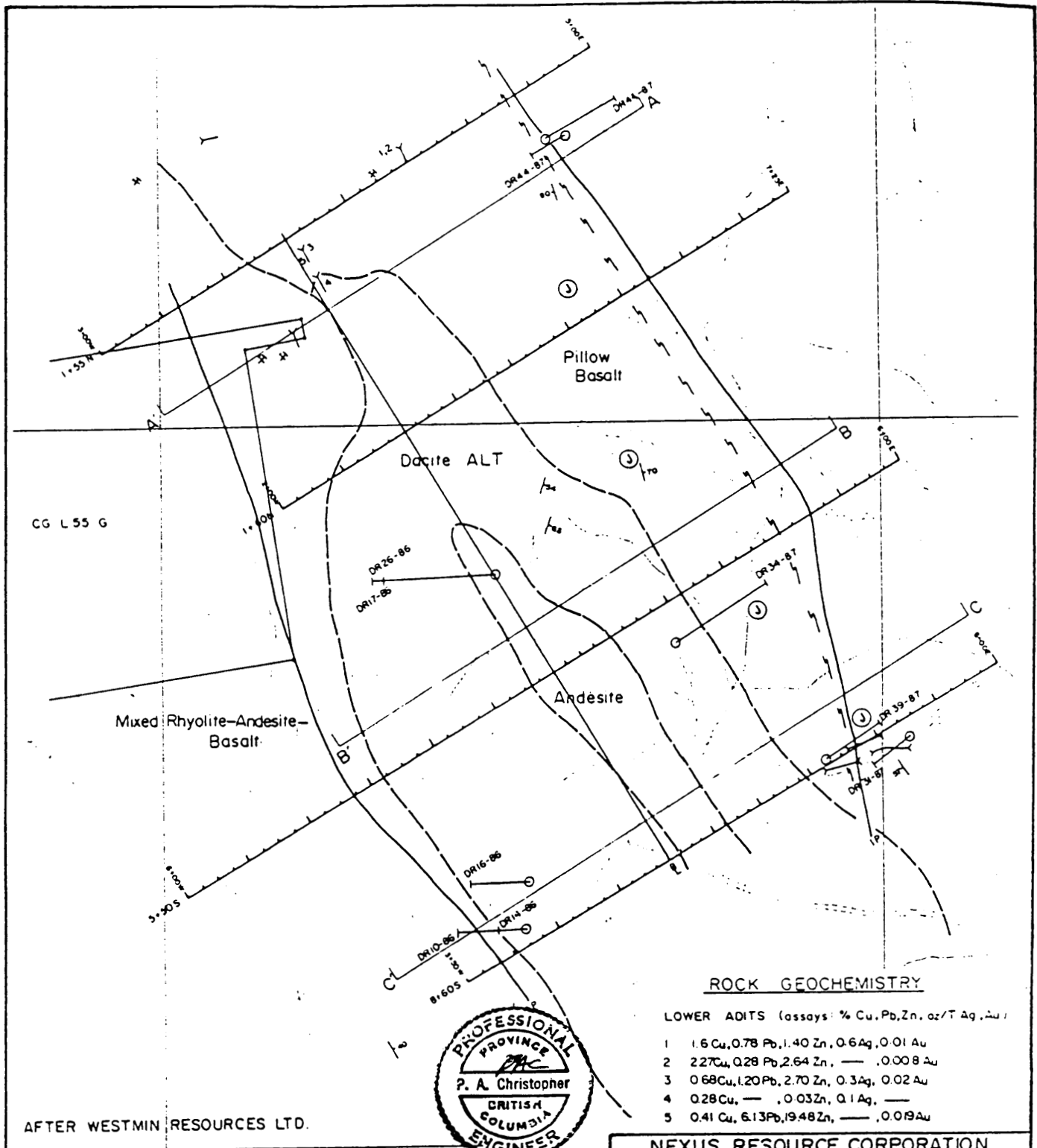
NEXUS RESOURCE CORPORATION ANGLE RESOURCES LTD.		
DEBBIE PROPERTY 900 AREA DRILL HOLE PLAN		
N.T.S. 92F-2	ALBERNI M.D., B.C.	
0 10 20 50 METRES		
P.A. CHRISTOPHER & ASSOCIATES LTD.		
SCALE 1:1000	OCT. 1987	FIGURE 10

After Westmin Resources Ltd.



REGINA AREA

NEXUS RESOURCE CORPORATION ANGLE RESOURCES LTD.	
DEBBIE PROPERTY REGINA AREA	
N.T.S. 92F-2	ALBERNI M.D., B.C.
P.A. CHRISTOPHER & ASSOCIATES LTD.	
OCT. 1987	FIGURE 11



CG L 55 G

ROCK GEOCHEMISTRY

LOWER ADITS (assays: % Cu, Pb, Zn, oz/T Ag, Au)

- 1 1.6 Cu, 0.78 Pb, 1.40 Zn, 0.6 Ag, 0.01 Au
- 2 2.27 Cu, 0.28 Pb, 2.64 Zn, —, 0.008 Au
- 3 0.68 Cu, 1.20 Pb, 2.70 Zn, 0.3 Ag, 0.02 Au
- 4 0.28 Cu, —, 0.03 Zn, 0.1 Ag, —
- 5 0.41 Cu, 6.13 Pb, 19.48 Zn, —, 0.019 Au



AFTER WESTMIN RESOURCES LTD.

**NEXUS RESOURCE CORPORATION
ANGLE RESOURCES LTD.**

**DEBBIE PROPERTY
REGINA AREA
DRILL HOLE PLAN**

N.T.S. 92F-2 ALBERNI M.D., B.C.
0 100 200 400 METRES

P.A. CHRISTOPHER & ASSOCIATES LTD.

SCALE AS SHOWN · OCT. 1987 · FIGURE 12

SYMBOLS

- IP Anomaly
- L. magmatic contact (assumed)
- Diamond Drill Hole
- Trench
- Budding (die)
- Road
- Fault (assumed)
- Adit
- Sulphide Mineralization
- Zapper

5.3% zinc, 2.2% copper, 0.07 oz/ton Au, 1.1 oz/ton Ag and 0.3% lead (Walker, 1983). The Twin J Mine produced 306,000 tons yielding 7.5% zinc, 3.4% copper, 0.15 oz/ton Au and 3.1 oz/ton Ag with minor lead and cadmium. The Thistle Mine produced 6920 tons yielding 4.92% copper, 2760 ounce of gold and 2120 ounces of silver. On Laura Property, Abermin Corporation has delineated a large polymetallic massive sulphide zone with trench sample values up to 24.58 g/t Au, 513.6 g/t Ag, 43.01% zinc, 8.3% lead, and 3.04 % copper over 3.5 meters.

Figure 5 shows the location of sixteen gold deposits and occurrences in the area of the Debbie Property. The Vancouver Island Gold Mine, in the Mineral Creek Zone on the enclosed Yellow claim has reported production of 438 tonnes yielding 384 ounces of gold, 52 ounces of silver and 88 kilograms of copper. Minor production has also been reported for the Black Panther Mine, 3-W and Havilah deposits. The occurrences are mainly structurally controlled quartz-carbonate alteration zones in Sicker Group or overlying Vancouver Group rocks.

Recent discoveries at the 900 zone, Linda zone and Upper Mineral Creek zone on the Debbie Property, under exploration by Nexus Resource Corporation, Angle Resources Ltd and Westmin Resources Ltd. are shown on Figure 6 as exploration target areas. Hole DN50-87 in the 900 zone contained 44.3 feet assaying 1.137 oz/ton gold. Hole DM57 in the Linda zone contained 0.7 feet from 127.1 to 127.8 and 6.8 feet from 420.4 to 427.2 assaying 4.895 oz/ton gold and 0.347 oz/ton gold respectively. Hole DM62 in the Linda zone contained 9.8 feet from 132.4-142.2 and 5.2 feet from 421.0 to 426.2 assaying 0.578 oz/ton gold and 0.312 oz/ton gold respectively. Significant assay results for 1986-1987 program holes in the Upper Mineral Creek, Linda and 900 zones are summarized in Table 2 and significant results for the 1987-1988 exploration program are summarized in Table 3. Hole and zone locations are shown on Figures 7 through 12.

In the Mineral Creek area, gold with arsenopyrite is spatially related to the Mineral Creek fault zone. The Upper Mineral Creek zone is characterized visible gold in discrete quartz-rich veins and fine gold with ankerite, sericite, quartz and pyrite mineralization. At the 900 zone free gold occurs in a quartz stockwork in massive basalt flows and at the Linda zone free gold occurs in a set of east dipping quartz veins the cut mafic to intermediate bedded volcanoclastic rocks.

On the Yellow claim, massive and stockwork quartz veins occur in the Mineral Creek fault zone and in two structures to the east. Zones of pyritic ankerite-sericite-quartz alteration occur proximally to these structures. The auriferous zones are characterized by a rusty color, the presence of green fuchsitic clots and sulphide contents up to 15%. A total of 4976.36 meters of wire line drilling was completed in 20 holes on the Yellow Property with 29 intersections containing more than 1.71 g/t (0.05 oz/T). The writer agrees with Watkins et al. (1987) that significant economic potential for the Mineral Creek zone exists on the Yellow claim.

Table 2. Summary of Drill Results (from Watkins et al., 1987).

<u>Hole #</u>	<u>Interval(ft)</u>	<u>Length(ft)</u>		<u>Gold (Oz/ton)</u>
		<u>Mineral</u>	<u>Creek Zone</u>	
DM3-86	329.4 - 366.6		37.2	0.124
DM5-86	223.5 - 232.5		9.0	0.311
	304.0 - 306.5		2.5	0.145
DM9-86	203.5 - 205.4		1.9	0.303
	239.1 - 239.7		0.6	0.112
	281.6 - 289.7		8.1	0.147
	301.1 - 303.1		2.0	0.138
	327.6 - 338.9		11.3	0.175
	379.5 - 388.3		8.8	0.104
	470.8 - 477.0		6.2	0.091
	DM12-86	172.9 - 181.1		8.2
223.0 - 235.7			12.7	0.146
255.8 - 262.1			6.3	0.105
DM15-86	410.9 - 418.5		7.6	0.556
	558.7 - 562.4		3.7	0.102
DM19-86	61.8 - 65.3		3.5	0.098
	191.7 - 207.3		15.6	0.099
	217.1 - 234.9		17.8	0.081
	261.4 - 264.4		3.0	0.156
	269.6 - 270.6		1.0	0.153
	64.3 - 71.3		7.0	0.075
DM20-86	305.0 - 306.4		1.4	0.099
	288.6 - 297.2		8.6	0.110
DM25-87	475.1 - 496.9		21.8	0.062
	547.7 - 551.0		3.3	0.105
DM29-87	78.7 - 165.6		86.9	0.087
DM32-87	111.8 - 118.4		6.6	0.166
	180.7 - 182.7		2.0	0.104
	210.6 - 213.3		2.7	0.121
	201.4 - 240.4		39.0	0.067
DM35-87	118.7 - 120.3		1.6	0.845
	168.4 - 171.7		3.3	0.485
DM36-87	247.2 - 260.9		13.7	0.246
DM43-87	396.6 - 398.0		1.4	0.248
			900	<u>ZONE</u>
DN6-86	207.3 - 210.6		3.3	0.128
DN8-86	131.5 - 134.8		3.3	0.101
	149.6 - 171.2		21.6	0.143
DN13-86	124.0 - 129.9		5.9	0.223
DN45-87	79.0 - 85.0		5.9	0.101
	98.7 - 108.5		9.8	0.051
DN50-87	140.0 - 143.3		3.3	0.164
	182.7 - 227.0		44.3	1.137
	249.0 - 254.2		5.2	0.452
DN52-87	122.0 - 148.2		26.2	0.243
DN55-87	278.4 - 285.0		6.6	0.210
	311.3 - 314.6		3.3	0.564
	87.9 - 88.9		1.0	0.135
DN58-87	103.0 - 104.3		1.3	1.924
	74.5 - 79.7		5.2	0.959
	104.6 - 107.9		3.3	0.166
DN59-87	124.3 - 127.6		3.3	0.101

Table 2. cont.

<u>Hole #</u>	<u>Interval(ft)</u>	<u>Length(ft)</u>	<u>Gold (Oz/ton)</u>
		<u>LINDA ZONE</u>	
DM57-87	127.1 - 127.8	0.7	4.895
	420.4 - 427.2	6.8	0.347
DM62-87	132.4 - 142.2	9.8	0.578
	421.0 - 426.2	5.2	0.312

Table 3. Summary of 1987-1988 Drill Results to Oct. 1, 1987
(Westmin/Nexus/Angle News Release, October 9, 1987).

<u>Hole #</u>	<u>Interval(ft)</u>	<u>Length(ft)</u>	<u>Gold (Oz/ton)</u>
		<u>MINERAL CREEK ZONE</u>	
DM74	117.2 - 118.7	1.5	0.443
	331.2 - 352.6	21.4	0.073
	378.5 - 420.5	42.0	0.073
DM78	108.6 - 109.6	1.0	0.285
	260.5 - 267.2	6.7	0.295
DM87	210.6 - 274.9	64.3	0.082
DM90	246.7 - 301.8	55.1	0.071
		<u>900 ZONE</u>	
DN75	173.5 - 179.1	5.6	0.125
DN79	65.9 - 88.9	23.0	0.078
DN85	102.3 - 105.9	3.6	0.409
	154.5 - 156.1	1.6	0.187
DN86	94.5 - 97.1	2.6	0.118
	125.6 - 130.5	4.9	0.074
	140.0 - 146.9	6.9	2.760
INCLUDES	145.3 - 146.9	1.6	11.38
DN89	108.9 - 112.8	3.9	0.310
	158.4 - 159.4	1.0	3.919
DN92	133.8 - 135.4	1.6	0.152
	183.0 - 193.2	10.2	0.145
DN94	155.9 - 159.5	3.6	0.353
		<u>LYNDA ZONE</u>	
DM67	136.1 - 139.4	3.3	0.174
	415.5 - 417.7	2.2	0.280
	457.1 - 460.4	3.3	0.123
DM70	252.8 - 254.4	1.6	0.122
	438.2 - 441.5	3.3	0.199
	465.2 - 466.8	1.6	0.216
DM83	316.6 - 319.9	3.3	0.330
DM91	291.0 - 295.6	4.6	1.31

DISCUSSION

Exploration on the Debbie Property has been successful in defining three gold zones and a number of target areas (Figure 6) with potential for economic gold reserves in structurally controlled vein and breccia zones and/or volcanogenic massive sulphide deposits (Regina Zone). Further surface drilling is required to define the appropriate location for underground exploratory workings and to expand the reserve potential. The Mineral Creek Zone occurs within a mineralized structural zone that has been traced for several

kilometers on the Debbie Property and enclosed Yellow claim. Exploration to date has indicated potential for both selective mining of high grade and bulk mining of lower grade auriferous material.

The combined mineral potential of the Mineral Creek area on the Debbie Property has been estimated by Watkins (1987) to be 1,180,000 tons 0.17 ounces per ton gold with the economic potential of the zone doubled by addition of potential on the Yellow claim. Addition of the Yellow claim to the property would allow for more orderly development and cost effective exploration, development and mining.

CONCLUSIONS AND RECOMMENDATIONS

The success of the 1986-1987 exploration program in locating ore grade gold drill intersections over a 700 vertical and 2,000 meter horizontal range provides justification for accelerated exploration of the Debbie Property. The writer is in agreement with the proposed program of reserve definition in the Mineral Creek area with systematic advancement of the Regina and other target areas with basic exploration programs.

A summary of the proposed 1987-1988 exploration budget which has been recommend by the Westmin Resources Ltd. exploration staff and endorsed by the writer, follows:

<u>COST ESTIMATES</u>	
(Debbie Project 1987-1988 Exploration Project.)	
<u>Mobilization/Demobilization</u>	\$ 2,500
<u>Personnel</u>	
Geologists 650 man days.....	156,000
Geological Assistant 1025 man days	148,750
Labourers 600 man days	51,000
Draftsperson 180 man days.....	19,800
<u>Room & Board</u> 2355 man days	70,650
<u>Transportation & Communication</u>	92,800
<u>Equipment Rentals</u>	4,500
<u>Contract Services</u>	
Drilling 15,240 m @ \$75.00/m.....	1,143,000
Line Cutting & Soil Sampling 175km @ \$ 450/km	78,750
Geophysical Services.....	40,000
Road Building & Trenching 400 hrs. @ \$ 75/hr.....	30,000
Surveying.....	20,000
<u>Geochemical Analyses</u>	120,600
<u>Report Preparation</u>	5,000
<u>Contingency</u>	50,000
<u>Management Fee 7.5%</u>	153,650
<u>Exploration Manager Fee</u>	<u>13,000</u>
Total Estimate	\$ <u>2,200,000</u>
Westmin Resources Ltd. Portion	\$ 1,015,000
Angle Resources Ltd. Portion	785,000
Nexus Resource Corporation	<u>400,000</u>
Total Budget	\$ <u>2,200,000</u>

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