92H

GOOD HOPE RESOURCES' PROPERTY

NICKEL PLATE MTN. HEDNEY AREA B.C.

Dujardin's Report

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2. Hedley Camp

After much on May 4th to a Good Hope's proj the production : MAY 1983

ope Resources interest in inancing at d Hope retain-

ing a 15% net pi 100,000 share blocks at 6 month intervals for a total cost of \$525,000 and 300,000 escrow shares in blocks of 120,000, 100,000 and 80,000 for a total cost of \$440,000. Through representation on the Good Hope board, Kerr would direct the spending from Good Hope's treasury, half of the funds realised from treasury share purchases to the property and an amount equivalent to 100% of the cost of Kerr's escrow share purchases. After all share purchases, Kerr would have 2 years to spend \$500,000 on the property from its own account to earn its 60% interest. Kerr's outlay would have totalled \$1,465,000 over 4 years of which \$1,202,500 would have been spent on the property, for a direct interest in the property and a 25% interest in the issued shares of Good Hope. The company currently has a working capital of about \$1,250,000.

Both of Good Hope's counter offers have been rejected. The latest involved about the same total expense to Kerr as in our offer but the rate of expenditure was higher and involved an initial commitment of \$225,000 versus \$150,000 in our offer and Kerr's interest would have been either 51% or 100% with Good Hope retaining a 25% net profits royalty with minimum annual payments of \$200,000 on production.

Another company is negotiating with Good Hope now but we continue to monitor the situation.

Latest internal reports within Mascot Gold Mines indicate geological reserves on its Hedley properties to be 500,000 tons averaging 0.29 ozs/ton. Further developments seem to be held up pending the completion of an amalgamation with Campbell Resources.

## 3. Orbex Resources, Arizona

We have obtained a report by GolderAssociates summarising all the available data on this property located in Yuma Co., Arizona. With the onset of the field season insufficient time has been spent on the report, but it will be studied and further action recommended.

820895

and the remaining changes will not change the intent and structure of the deal.

## 2. Hedley Camp, B.C.

After much discussion, a written offer was made to Good Hope Resources on May 4th to acquire an option for Kerr to earn either a 60% interest in Good Hope's property with Good Hope participating 40% in the financing at the production stage or 100% interest in the property with Good Hope retaining a 15% net profits royalty. The offer involved Kerr purchasing 200,000 treasury shares in 50,000 share blocks at 6 month intervals for a total gost of \$525,000 and 300,000 escrow shares in blocks of 120,000, 100,000 and 80,000 for a total cost of \$440,000. Through representation on the Good Hope board, Kerr would direct the spending from Good Hope's treasury, half of the funds realised from treasury share purchases to the property and an amount equivalent to 100% of the cost of Kerr's escrow share purchases. After all share purchases, Kerr would have 2 years to spend \$500,000 on the property from its own account to earn its 60% interest. Kerr's outlay would have totalled \$1,465,000 over 4 years of which \$1,202,500 would have been spent on the property, for a direct interest in the property, and a 25% interest in the issued shares of Good Hope. The company currently has a working capital of about \$1,250,000.

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We have obtained a report by GolderAssociates summarising all the available data on this property located in Yuma Co., Arizona. With the onset of the field season insufficient time has been spent on the report, but it will be studied and further action recommended.



# GOOD HOPE RESOURCES LTD.

1910 BOARD OF TRADE TOWER, 1177 WEST HASTINGS STREET VANCOUVER, BRITISH COLUMBIA, CANADA V6E 2K3 TELEPHONE (604) 683-3538 TELEX 04-55-198 [SUNDSCAN VCR]

May 13th 1983

Mr. R.A. Dujardin
Regional Exploration Manager
Kerr Addison Mines Limited
Suite 703
1112 West Pender Street
Vancouver
British Columbia
V6E 2S1

Dear Mr. Dujardin:

re: Mineral Claims on Nickel Plate Mountain, near Hedley, British Columbia

Further to my letter of May 10th and our conversation of May 12th, I have again reviewed your letter of May 4th, and now propose the terms be as follows:

- 1. The effective date ("Effective Date") of the agreements will actually be the date upon which all necessary regulatory and shareholder approvals are obtained, as the case may be, but for current purposes will be assumed to be about June 1, 1983.
- 2. Agreed amounts shall be reserved by Good Hope from its working capital, to be spent on the Property under Kerr's direction and in accordance with mutually agreed programs.
- 3. Kerr will purchase on the Effective Date, 50,000 treasury shares of Good Hope at \$1.50 per share.

Good Hope will grant Kerr options to purchase treasury shares exerciseable on or before the following dates at the prices indicated:

continued.....

Within six months of the Effective Date - 50,000 shares @ \$2.00/share

Within twelve months of the Effective Date - 50,000 shares @ \$3.00/share

Within eighteen months of the Effective Date - 50,000 shares @ \$4.00/share.

- 4. The funds received by Good Hope from the sale of the treasury shares to Kerr, shall be allocated as to 50% for the general corporate purposes of Good Hope and 50% for expenditures on the property under Kerr's direction. Of the present board of directors consisting of five members, two will resign and be replaced by Kerr's nominees on the Effective Date. One additional director of the present board will resign at such time as Kerr acquires a total of 300,000 escrow shares in Good Hope.
- 5. After exercising its option to purchase the last block of treasury shares, Kerr would have two years to spend, from its own account, \$500,000 on the Property to earn a 51% interest therein.
- 6. After having acquired its 51% interest, Kerr would have the exclusive right to place the property into production. Good Hope would not be called upon to contribute its 49% share of costs until a production decision was made by Kerr. Good Hope could then either maintain its 49% interest in the property by contributing its pro rata share of production financing or revert to a carried royalty interest in the amount of 25% of net profits (payable after recovery of Kerr's contributions with interest). When commercial production is achieved, Kerr shall pay Good Hope minimum annual payments of \$200,000 per year to be deducted from Good Hope's share of future net profits. These payments shall be escalated referenced to a 1983 base.

continued.....

7. Any agreement is conditional upon Kerr securing an agreement to purchase from Burr/Mullin, 100,000 escrow shares in Good Hope on the Effective Date at a price of \$1.50 per share, and upon Burr/Mullin granting Kerr options to purchase further escrow shares exerciseable on or before the following dates at the prices indicated:

Within six months of the Effective Date - 100,000 shares at \$1.50/share

Within twelve months of the Effective Date - 100,000 shares at \$1.50/share

and James Ball agrees to continue in his present position for at least the first two years of the term of this agreement.

I look forward to meeting with you today and trust we can iron out any differences.

Yours very truly

James Ball, President

## VANCOUVER STOCK EXCHANGE

## Annual Questionnaire

- 1. The full corporate name is Good Hope Resources Ltd.
- The address of the head office is Suite 1518 1177 West Hastings Street, Vancouver, B.C. V6E 2K3. The address of the registered office is 24th Floor, 1066 West Hastings Street, Vancouver, B.C. V6E 3X1. The name and address of the Company's solicitors is Barbeau, McKercher, Collingwood & Hanna, 24th Floor, 1066 West Hastings Street, Vancouver, B.C. V6E 3X1. The name and address of the Company's transfer agents and registrars is Canada Permanent Trust Company, P.O. Box 10152, 701 West Georgia Street, Vancouver, B.C. V7Y 1E5.
- 3. The authorized and issued capital at calendar year end was 5,000,000 common shares and 1,814,000 common shares respectively.
- 4. The names, addresses and occupations of the Directors and Officers of the Company are as follows:

James Ball

14235 Green Crest Drive and
White Rock, B.C.

V4A 2Y6

President

Professional

Engineer, President

of the Company and

President of Imperial

Metals & Power Ltd.

until January 1st 1980.

William Edgar Burr Director School Teacher R.R. #2
Lockhart Drive Armstrong, B.C.
VOE 1BO

Kenneth George Hanna
3460 Rockview Place
West Vancouver, B.C.

V7V 3H3

Director
and
Partner, Barbeau,
McKercher, Collingwood
& Hanna

Patricia Charlene Director School Teacher Mullin
Box 334

Princeton, B.C.
VOX 1WO

VOX 1WO

Edward Mullin Director Prospector Box 334 Princeton, B.C.

Gerald I. Burr Director Businessman
Box 370
Princeton, B.C.
VOX 1WO

5. Particulars of any option or sale agreements with officers, directors and employees of the Company with respect to unissued shares (or shares held in any way for the benefit of the Company) whether such agreements are part of employment contracts or otherwise. The directors have approved options of 30,000 shares at a price of \$0.75¢ per share for each of the six present directors. These options have not yet received shareholders' approval.

- 6. (a) There are no underwritings, options or sale agreements outstanding other than those covered in item 5.
  - (b) An amount of \$3,000 is required to maintain the company property agreements in good standing for the next twelve-month period.
- 7. There are no bonds, debentures or notes outstanding.
  Newhawk Mines Ltd. retains a 10% net carried interest
  in 65 Crown Granted mineral claims and 1 located mineral
  claim on Nickel Plate Mountain near Hedley, B.C.
- 8. The current assets and current liabilities as of January 31st 1983 were as follows:

Current Assets \$1,277,920.45 Current Liabilities \$2,353.00

The Company's fiscal year end is January 31st. The date of the last Annual Meeting was June 10th 1982. The last interim report was sent to all shareholders October 5th 1982.

- 9. The Company is in good standing with the Registrar of Companies.
- 10. The Company owns 66 Crown granted mineral claims and 47 located mineral claims on Nickel Plate Mountain near Hedley, B.C. and one mineral claim of 20 units near Princeton, B.C. all of which are in good standing. A total of \$381,385.23 was spent on these properties in the period covered by this report. The properties are still in good standing.
- 11. The Company spent \$68,385.89 on administration in the period covered by this report.
- 12. The aggregate remuneration, including amounts for services rendered, paid or payable, directly or indirectly by the company and/or its subsidiaries during the past 12 months to the Directors and Senior Officers of the Company was \$24,000.00. No management contract exists.
- 13. The distribution of issued capital based on the most recent register of members is as follows:
  - Free Stock
    - (a) Distributed and in hands of public (shares held by Officers, Directors, Participants directly or indirectly in the controlling group and shares which are pooled, escrowed or nontransferable are excluded in calculating this number)

834,000 shares

(b) Distributed and in the hands of the promoters, officers and directors of the Company and their agents and trustees

530,000 shares 1,364,000 shares

2) Escrowed or Pooled Stock:

450,000 shares

Total Issued Capital

Total Free Stock

1,814,000 shares

## KERR ADDISON MINES LIMITED

SUITE 703 - 1112 WEST PENDER STREET VANCOUVER, B.C. V6E 2S1 PHONE 682-7401

May 4, 1983



Good Hope Resources Ltd. Suite 1910 - 1177 West Hastings Street Vancouver, B.C. V6E 2K3

Attention: Mr. James Ball, President

Dear Mr. Ball:

Mineral Claims held by Good Hope Resources Ltd. on Nickel Plate Mountain, near Hedley, B.C.

Further to our recent discussions with respect to the captioned mineral claims (the "Property"), the following are the terms upon which Kerr Addison Mines Ltd. ("Kerr") would enter into formal agreements with Good Hope Resources Ltd. ("Good Hope") and Messrs. W.E. Burr and E. Mullin ("Burr/Mullin"), holders of substantial escrow shares.

- 1. The effective date ("Effective Date") of the agreements will actually be the date upon which all necessary regulatory and shareholder approvals are obtained, as the case may be, but for current purposes will be assumed to be about June 1, 1983.
- \$ 200,000 2. Agreed amounts shall be reserved by Good Hope from its working capital, to be spent on the Property under Kerr's direction and in accordance with mutually agreed programs.
- 3. Good Hope will grant Kerr options to purchase treasury shares exerciseable on or before the following dates at the prices indicated:

Within 6 months of the Effective Date - 50,000 shares at \$1.50/share Within 12 months of the Effective Date - 50,000 shares at \$2.00/share Within 18 months of the Effective Date - 50,000 shares at \$3.00/share Within 24 months of the Effective Date - 50,000 shares at \$4.00/share

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12 m 50,000 6 4.00

Mr. James Ball

May 4, 1983

4. The funds received by Good Hope from the sale of treasury shares to Kerr, shall be allocated as to 50% for the general corporate purposes of Good Hope and 50% for expenditures on the Property under Kerr's direction. Of the present board of directors consisting of 5 members, two will resign and be replaced by Kerr's nominees on the Effective Date. An additional 2 directors will resign and be replaced by Kerr Nominees at such time as Kerr acquires a total of 300,000 escrow shares in Good Hope.

5. After exercising its option to purchase the last block of treasury shares Kerr would have two years to spend from its own account, \$500,000 on the Property to earn a 60% interest therein. 2 pris to

- 6. After having acquired its 60% interest, Kerr would have the exclusive right to place the property into production. Good Hope would not be called upon to contribute its 40% share of costs until a production decision was made by Kerr at which point Good Hope could either maintain its 40% interest in the Property by contributing its pro rata share of production financing or revert to a carried royalty interest in the amount of 15% of net profits, payable after recovery of Kerr's contributions with interest.
- 7. Any agreement is conditional upon Kerr securing an agreement with Burr/Mullin to purchase 120,000 escrow shares in Good Hope on the Effective Date from Burr/Mullin at a price of \$1.25 per share, and upon Burr/Mullin granting Kerr options to purchase further escrow shares exerciseable on or before the following dates at the prices indicated:

Within 6 months of the Effective Date - 100,000 shares at \$1.50/share
Within 12 months of the Effective Date - 80,000 shares at \$1.75/share

If the directors of Good Hope look force 12

If the directors of Good Hope look favourably on the above proposals please let me know and I will ask our lawyer to draft agreements for our consideration. It is difficult in a letter such as this to cover all the mechanics of such an arrangement but our recent discussions with our respective lawyers seemed to indicate its feasibility.

Yours very truly, KERR ADDISON MINES LTD.

Per

R. A. Dujardin

Regional Exploration Manager

RAD/1k

c c - D. A. Lowrie

Cost 70 60 / 5 525,000 450,000 1,475,000 pl Hold

KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

To D. A. Lowrie

From. C. K. Wilton

Good Hope Resources Ltd.

Subject. Nickel Plate area, British Columbia

Date. April 26, 1983

This property includes the Hedley Mascot (within the Nickel Plate property) the Good Hope, on which about 10,000 tons at a grade of about 0.50 ozs. Au/ton have been mined, and the Canty claims, 2 kms. east of the Nickel Plate mine.

The Nickel Plate milled 3,301,600 tons at a grade of 0.44 ozs. Au/ton. Current reserves are 480,056 tons at a grade of 0.28 ozs. Au/ton.

The Canty has been drilled by diamond drill and percussion drills. Mineralization occurs along a horizontal length of about 165 metres on a slope which slopes west at about 15°. The values appear to dip NNW at 60°-70° and the best holes average about 0.20 ozs. Au/ton across 25 metres. They seem not to have been drilled down dip.

Dujardin is suggesting 9900 feet of closely spaced drilling to be funded initially by purchase of shares at \$1.25/share to provide \$125,000.

No data is included concerning the 400' shaft and the exploration drives on the 200 and 400' levels which totalled 1500' and 750' respectively. Some ore was found - but no reliable tonnage above the 0.40 oz. cut-off which prevailed in the 1935-9 period when the work was done. Data on underground ring drilling is incomplete and is not included in the data.

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## KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

To	From
Subject	Date April 26, 1983

- 2 -

Good Hope estimated 362,000 tons at a grade of 0.15 ozs.

Au/ton in a block 540' x 39' x 206'. Potential was said to be

750,000 tons at a grade of 0.10 ozs. Au/ton.

I agree with Dujardin's conclusions in section 2 and 3 on page 9.

Mineralization is sparse disseminated arsenopyrite and pyrrhotite in a fine grained, silicified diopide-garnet skarn which compares with more massive arsenopyrite and higher grade at the Nickel plate mine.

For the Good Hope area a magnetometer survey is suggested by Dujardin.

C. K. Wilton

CKW/sm

.7mc

# KERR ADDISON MINES LIMITED APR 2 2 1983

(FOR INTER-OFFICE USE ONLY)

D. A. Lowrie From R. A. Dujardin

Subject.....

GOOD HOPE RESOURCES LTD.

Date April 21, 1983



Enclosed please find a report on the subject property together with a draft of the proposition I discussed with you today by telephone. I will contact you again on my return from Australia to see what your reactions are.

Regards,

R. A. Dujardin

RAD/1k

Enclosure

#### KERR ADDISON MINES LIMITED

SUITE 703 - 1112 WEST PENDER STREET VANCOUVER, B.C. V6E 2S1 PHONE 682-7401

## DRAFT - For discussion purposes only

# NOT SENT TO GOOD HOPE.

April 21, 1983

Good Hope Resources Ltd. Suite 1910 - 1177 West Hastings St. Vancouver, B. C. V6E 2K3

Attention: Mr. James Ball, President

Dear Mr. Ball:

Re: Mineral Claims held by Good Hope Resources Ltd. on Nickel Plate Mountain, near Hedley, B.C.

Further to our recent discussions with respect to the captioned mineral claims (the "Property"), the following are the terms upon which Kerr Addison Mines Ltd. ("Kerr") would enter into formal agreements with Good Hope Resources Ltd. ("Good Hope") and Messrs. W. E. Burr and E. Mullin ("Burr/Mullin"), holders of substantial escrow shares.

- 1. The effective date ("Effective Date") of the agreements will actually be the date upon which all necessary regulatory and shareholder approvals are obtained, as the case may be, but for current purposes will be assumed to be about June 1, 1983.
- 2. On the Effective Date, Kerr will purchase 100,000 escrow shares in Good Hope from Burr/Mullin at a price of \$1.25 per share, and Burr/Mullin will grant Kerr options to purchase further escrow shares exerciseable on or before the following dates at the prices indicated:

Within 6 months of the Effective Date - 100,000 shares at \$1.50/share Within 12 months of the Effective Date - 100,000 shares at \$1.75/share

- 3. An amount equivalent to Kerr's cost in acquiring each block of escrow shares shall be reserved by Good Hope from its working capital, to be spent on the Property under Kerr's direction and in accordance with an agreed program.
- 4. On the Effective Date, Kerr will purchase from Good Hope 50,000 of its treasury shares at \$1.00 per share.

5. Good Hope will grant Kerr options to purchase further treasury shares exerciseable on or before the following dates at the prices indicated:

Within 6 months of the Effective Date - 50,000 shares at \$1.50/share Within 12 months of the Effective Date - 50,000 shares at 2.00/share Within 18 months of the Effective Date - 50,000 shares at 3.00/share Within 24 months of the Effective Date - 50,000 shares at 4.00/share

- 6. The funds received by Good Hope from the sale of treasury shares to Kerr, shall be allocated as to 50% for the general corporate purposes of Good Hope and 50% for expenditures on the Property under Kerr's direction.
- 7. After exercising its option to purchase the last block of treasury shares Kerr would have two years to spend from its own account, \$500,000 on the Property to earn a 60% interest therein.
- 8. After having acquired its 60% interest, Kerr would have the exclusive right to place the property into production. Good Hope would not be called upon to contribute its 40% share of costs until a production decision was made by Kerr at which point Good Hope could either maintain its 40% interest in the Property by contributing its pro rata share of production financing or revert to a carried royalty interest in the amount of 15% of net profits.

If the directors of Good Hope look favourably on the above proposals please let me know and I will ask our lawyer to draft agreements for our consideration. It is difficult in a letter such as this to cover all the mechanics of such an arrangement but our recent discussions with our respective lawyers seemed to indicate its feasibility.

Yours very truly, KERR ADDISON MINES LTD.

Per				
	R.	A.	Dujardin	

Regional Exploration Manager

RAD/1k c c - D. A. Lowrie

## ACQUISITION PROPOSAL

## GOOD HOPE RESOURCES LTD. - HEDLEY PROPERTIES, B.C.

## SUMMARY

Good Hope Resources owns 66 Crown Granted mineral claims and 47 located claims on Nickel Mountain near Hedley, B.C. The holdings include three former gold mines: the Hedley Mascot, Good Hope and Canty, and adjoin the Mascot Gold Mines Ltd. property containing the old Nickel Plate Mine. Acquisition or an option is recommended on the basis that all three ex - producers are open to further exploration and that the rest of the claims contain other targets worth serious follow up. Other mitigating factors are the probability that the Nickel Plate will be resurrected based on published results of recent exploration, the availability of a functional mill at the Dankoe Mine, 40 miles away and the prevailing excellent access and infrastructure.

The Canty Zone is proposed as a starting point offering short term rewards, should the Good Hope Resources properties be acquired.

## LOCATION AND TOPOGRAPHY

The Hedley Camp lies 260 Kms (162 miles) east of Vancouver on the Southern route of the Trans Canada Highway. It is within the Okanagan range of the Interior Plateau Region of British Columbia dissected by the deeply incised canyons of the Similkameen and its tributaries such as Twenty Mile Creek. The camp is centered on Nickel Plate Mountain directly east of the village of Hedley, which is flanked by the cliffs of Twenty Mile canyon on the west and those of the Similkameen canyon on the south. The elevation of Hedley is 518 metres (1700 feet) and the summit of Nickel Plate Mountain is 1890 metres (6200 feet).

#### HISTORY OF CAMP

Operations at the Nickel Plate Mine commenced in 1904 and after a four year cessation starting in 1930, carried through to 1955. During its 47 year production history the mine milled 3,301,600 tons of ore and shipped 1,420,710 ozs. of gold. This implies an average millhead grade of 0.44 ozs/ton, however the first 1,226,000 tons (1904 - 1930) averaged 0.525 and the last 1,975,600 (1934 - 1955) ran 0.394.

A thorn in the side of the Nickel Plate operators was the Mascot fractional claim, 7.8 acres in area, occurring in the middle of the main orebody. Years of negotiations failed to resolve this dilemma and ultimately Hedley Mascot Gold Mines mined this fraction as a separate entity, milling 686,625 tons of ore (1935 - 1949) for a gold production of 254,051 ozs., implying an average millhead grade of 0.37 ozs/ton.

Apart from small tonnages of high grade ore included in the Nickel Plate statistics, the only other mines with recorded production are:

		Tons Milled	Gold Sold (ozs)	Millhead Grade (oz/ton)
French Mine ( 1950 - 55)	18	32,463	25,960	0.80
( " ")		53,085	26,277	0.49
Good Hope (1945 - 48)		4,563	2,830	0.62
1982		5,527	2,432	0.44
Canty 1940 (?)		3,220	815	0.25

Following the mine closures were several years of relative inactivity during which ownership of the claim blocks became fragmented and changed hands several times until now the major claimholders are:  $^{\rm 1}$ 

Mascot Gold Mines Ltd.: holds 86 claims and 2 leases in the heart of the camp, including the Nickel Plate Mine and the Morning and Sunnyside Mines. After underground and surface work over the recent few years, current published reserves at the Nickel Plate are 480,056 tons grading 0.28 ozs/ton.

Good Hope Resources Ltd.: holds 113 claims around and interdigitating
with the Mascot Gold Mines holdings, including
the Mascot Fraction. Includes the Hedley
Mascot, Good Hope and Canty mines.

Agio Resources Corp.: hold 5 claims/fractions on the northwest contact of the main Nickel Plate Skarn.

1. See Maps "A" and "B" attached

Pollock Mines Ltd.: holds the Copper Chief and Nick of Time

Fraction immediately west of the Mascot

Fraction and partially down plunge from the

main Nickel Plate ore zone.

Grove Exploration : holds a small claim group covering the old

French Mine, 5 1/2 Kms (3 1/2 miles) South-

east of Hedley and a like distance South of

the Nickel Plate Mine.

Banbury Gold Mines Ltd.: holds 22 claims 3 1/2 Kms (2.2 miles) west

of Hedley covering the old Pine Knot vein

reported to contain 185,700 tons grading

0.30 ozs/ton gold.

Neither the Nickel Plate nor Hedley Mascot mills exist today but 40 miles by road away is the 450 tons per day mill of Dankoe Mines Ltd., 12 miles South of Keremeos. It was constructed for the Utica Silver Mine but has been used to custom mill gold-ore from Dusty Mac Mines, the French Mine and Good Hope Mine.

# HEDLEY CAMP GEOLOGY 1

The Hedley Area is underlain by Triassic, Nicola Group sediments and volcanics cut by a well differentiated suite of Upper Jurassic acid, intermediate and basic intrusives. The Nicola rocks are folded along a NE-SW anticlinal axis in a block which is truncated on the North-west side by a NE bearing fault (the Bradshaw Fault) along Twenty Mile Creek which passes through the village of Hedley.

1. See Maps "A" and "C"

Southeast of the Bradshaw Fault, and truncated by it is a skarn-rich (calc silicate) zone roughly 2 Kms (1.2 miles) in diameter intruded by the Toronto Stock, a quartz-gabbro with gabbroic and dioritic sill and dyke-like offshoots. The skarn zone lies within the so-called "marble line" and is a derivative of the limestones and other calcareous sediments of the Nickel Plate Formation, a member of the Nicola Group, which occur outside the line. The Nickel Plate Formation is overlain by predominately volcanic and siliceous rocks of the Red Mountain Formation and overlies predominately siliceous sediments of the Red Top Formation.

The "main camp" ore bodies i.e. (from north to south) the Nickel Plate (and Mascot), Morning, Sunnyside 4 1/2, 4, 3, 2, 1, and Bulldog lie within a 213 metres (700 foot) wide arcuate zone, immediately inside the marble line around the eastern half the skarn zone, on the northern, eastern and southern flanks of Nickel Plate Mountain.

The Nickel Plate ore zone has a strike length near or at surface of only 91 metres (300 feet) but it plunges 30 degrees westerly for 3000 feet. The ore bodies were tabular, 3 metres (10 feet) to over 30 metres (100 feet) thick and up to 152 metres (500 feet) long and 107 metres (350 feet) wide (strikewise). They occurred in several overlapping in echelon sheets and were controlled by concordant sills, dykes and tight plunging cross folds. The Sunnyside orebodies were much smaller but higher grade and were similarly controlled by tight folds and a network of sills and dykes.

Former workers in the area were hidebound by a complex set of structural/geological requirements (see Billingsley C.I.M.M. Vol XLIV, 1941, p. 579) for locating ore and the writer feels that in the process they missed bets falling outside the guidelines. The origin of ore was usually attributed to

- 1. See Maps "A", "D" and "E"
- 2. See Map "F"

hydrothermal emanations from either the basic intrusives or the nearby granodiorite. Later thinking poses the possibility of an exhalative volcanic origin which opens up new possibilities for exploration not considered by previous workers. Only rock with heavy arsenopyrite used to be sampled for gold. Recent work by Mascot Gold Mines within the established camp confirms significant gold values do occur apart from heavy arsenopyrite zones.

## DESCRIPTION OF GOOD HOPE RESOURCES PROPERTIES

#### GENERAL

The properties owned by Good Hope have been divided by the writer into six segments according to geological and other considerations viz:

- A. Mascot Fraction
- B. Canty
- C. Good Hope
- D. Bradshaw Fault
- E. South Rim
- F. Oro Plata

#### A. Mascot Fraction

This triangular fraction with a base of 229 metres (750 feet) and a height of 320 metres (1050 feet) produced 254,000 ozs of gold from the Nickel Plate ore zone. In cross section the en echelon sheets of ore in the zone parallel a suite of sills, particularly the Hot Sill and often cut across the beds of sediments in stepwise fashion with depths. The Hot Sill steepens sharply in dip within the Mascot Fraction producing deep ore 183 metres (600 feet) vertically below the main ore trend above. Still deeper ore possibilities exist but an evaluation of such will involve the study of a mass of data including the logs of several hundred drill holes.

## B. Canty

This block of claims, 16 crown granted and 13 located, centers on the old Canty Mine about 2 Kms (1.2 miles) east of the Nickel Plate mine, at the same elevation of 1770 metres (5800 feet). Gold mineralization was first discovered there about 1900 when two small tunnels and a shallow shaft were made. Nothing much further was done until the period 1935-39 during which diamond drilling was done and a shaft sunk to 400 feet and exploration drifts driven at the 200 and 400 foot levels to the extent of 457 metres (1500 feet) and 229 metres (750 feet) respectively. A quantity of ore was found but due to its erratic distribution no reliable tonnage could be defined above the 0.4 ozs/ton cut-off grade required. The deposit was found to resemble Nickel Plate ores i.e. disseminated massive arsenopyrite in garnetiferous skarn but the arsenopyrite appeared to carry less gold at the Canty. underground development was under the direction of Victor Dolmage, of Hedley Mascot fame, who in 1946 concluded that the structural controls were never worked out but the strength of the zone was such that the property deserved exhaustive investigation. Nothing much further was done however until 1980-82 when Good Hope Resources carried out diamond and percussion drilling.

Evaluation of all the previous work is possible only within restricted limits because of:

- absence of pre-1980 drill core
- incompleteness of old records
- erratic and diversity of dip and azimuth of much of the drilling
- use of percussion drilling mixed with diamond drilling in recent work
- incomplete sampling of drill core in pre-1980 period
- erratic nature of the mineralization

In their evaluation, Campbell Resources compiled a set of sections including all the underground holes, most of which were short. After projecting and/or rotating divergent and off-section holes on to parallel sections it became impossible to correlate discrete ore shoots. Campbell's solution was to outline mineralized blocks, calculate the grade of the block by averaging all intersections within it, many of which were projected from off section and arriving at a "bulk-tonnage" and grade. Good Hope's approach is similar. Their most recent estimate above the 200 foot level is 362,000 tons grading 0.15 ozs/ton in a block 165 metres (540 feet) long, 12 metres (39 feet) wide to a depth of 63 metres (206 feet), one quarter to one third of which is deemed to be open pittable. Potential reserves are quoted at 750,000 tons of 0.1 ozs/ton or better.

The enclosed sections are ones we have constructed through each surface hole parallel to its true azimuth. The data on underground holes is incomplete and the ring pattern of diverging holes makes interpretation very difficult anyway. The sections are not parallel to each other so cannot be overlain but do show the true position of intersections of interest. The plan shows the vertical projections of the intersection and serve only to illustrate the distribution and trend of the mineralization. The true dip of the shoots and zone are unknown because the erratic drilling pattern and incompleted drilled sections prohibit the tracing of one intersection to another. The possibility of plunging, raking ore shoots seems not to have been contemplated by previous workers or the drill pattern would be different.

Attention is drawn to the following (see Canty Mine plan/sections)

1. In plan view erratic intersections define a zone 160 metres (525 feet long) by 30 metres (98 feet) wide trending ENE cut off along strike by only one or two dud holes.

- 2. The section through holes 81-7, 81-3 and 81-5 seems to define a zone averaging approximately 0.20 ozs/ton, with a true width of 25 metres (82 feet) dipping towards the NNW at about 60°. It probably outcrops below overburden to the SSE as vertical hole 81-5 hit it at only 12 metres (39 feet). The zone is open down dip but appears to thin out 15 metres to the Southwest and Northeast although more drilling is required to define the strike/dip and possible rake. Note too, that old holes 5 and 10 to the Northeast were drilled sub-parallel to the dip so could have missed the zone and 81-4 was vertical and might have clipped the footwall edge of the zone (it collared in 0.34 ozs/ton over 3.5 metres). Obviously more drilling in this direction is required.
- 3. The section through 81-1 and P207 (a percussion hole) also indicates a probably outcropping zone as the latter collared in 0.26 ozs/ton over 26.6 metres (87 feet) including 0.33 ozs/ton over 15.9 metres (52 feet).

A zone dipping 70° to the NNW, 20 metres in true width is indicated with a grade of better than 0.20 ozs/ton. It could be open to the NNE or alternatively intersected in holes P202 and 81-2. The reliability of percussion holes must be questioned in all of these discussions.

In conclusion, it is proposed that an extended grid be laid out over the whole Canty Zone and a detailed pattern of closely spaced surveyed holes be drilled on parallel sections, 15 metres or in cases 30 metres (49 feet and 98 feet) apart. On this basis a program of 3000 metres (9900 feet) of drilling could be justified.

Our examination of the 1980-82 drill core revealed that the mineralized zone is hosted by fine grained, silicified, garnet-diopside skarn containing sparsley disseminated arsenopyrite and pyrrhotite.

## C. Good Hope Mine

The deposits here were confined to a flat dipping series of stratified, altered limestones and tuff beds. Gold values occurred over 5 to 10 feet within 50 feet of surface in garnet-pyroxene skarn and was present as a telluride. No obvious possible extensions of the ore could be seen but the area is one of extensive overburden and a wide ranging magnetometer survey might be successful in finding more mineralized skarn.

The deposit is 4 miles South of the Canty in a window of Nickel Plate Formation in the Red Mountain Formation. As such it lies 3 Kms outside the "marble line" so has not been as intensively explored as properties in the heart of the camp.

#### D. Bradshaw Fault Block (Galena, Reno etc)

This block of claims straddles the Bradshaw Fault and occurs in the Northwest sector of the Hedley Mountain skarn zone i.e. within the marble line. Agio is drilling in the area at this time. Nothing much is known to us about these claims except that geologically and structurally they are well placed within the main camp and are worth serious exploration. They cover any Westward extension of the main productive zone, if it exists.

## E. South Rim Block (Harsefly, Terrier etc)

This block straddles and adjoins the Southern and Southeastern sector of the main skarn zone and would cover the Southwestern extension of the main productive zone. We have little information at hand but the block is well placed and worth careful evaluation. Some drilling on the Horsefly Claim has been done by Good Hope Resources. The claim is adjoining Giant Mascot Resources Bulldog claim where recent drilling has indicated 50,000 grading 0.25 ozs/ton gold in non-arsenical ore not even sampled by previous workers. The showings drilled on the Horsefly are massive pyrrhotite-arsenopyrite pods in limey metasediments. Intersections of up to .50 ozs/ton gold

over 1.6 metres (5 feet) were obtained but no significant tonnage was outlined.

## F. Oro Plata

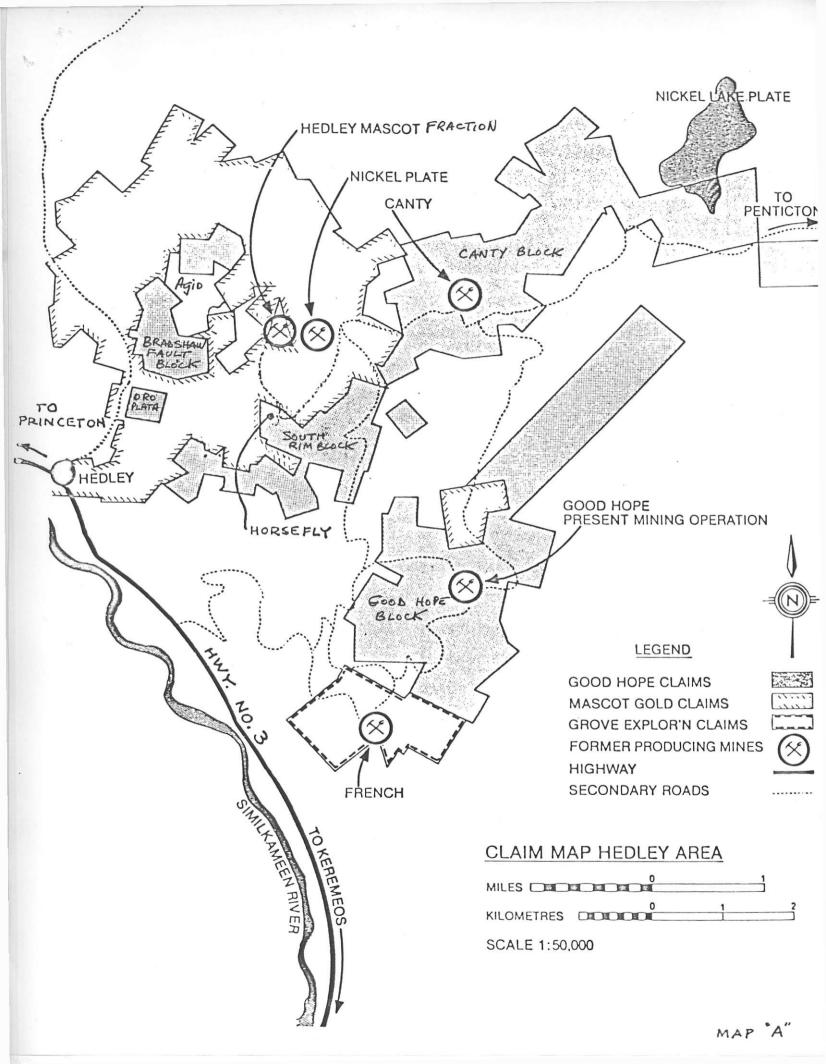
This isolated claim covers the possible western extension of the Kingston Anticline West of the South Rim area of the main skarn complex. Nothing much is known of this claim.

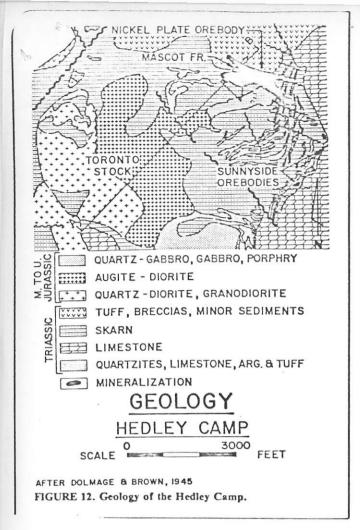
## CONCLUSIONS

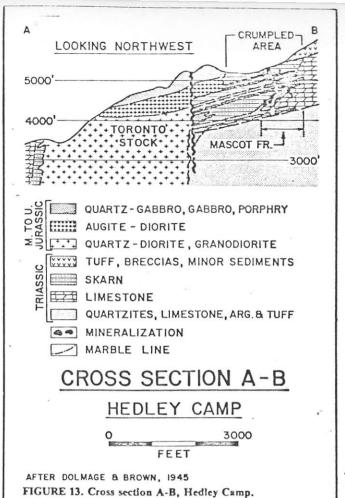
While Mascot Gold Mines hold the lion's share of the traditional main Hedley Camp, Good Hope has the second best land position and it is worth serious exploration. The Canty Mine is open to detailed drilling and would provide a good starting point for an exploration program on Good Hope's properties.

R. A. Dujardin April 21, 1983

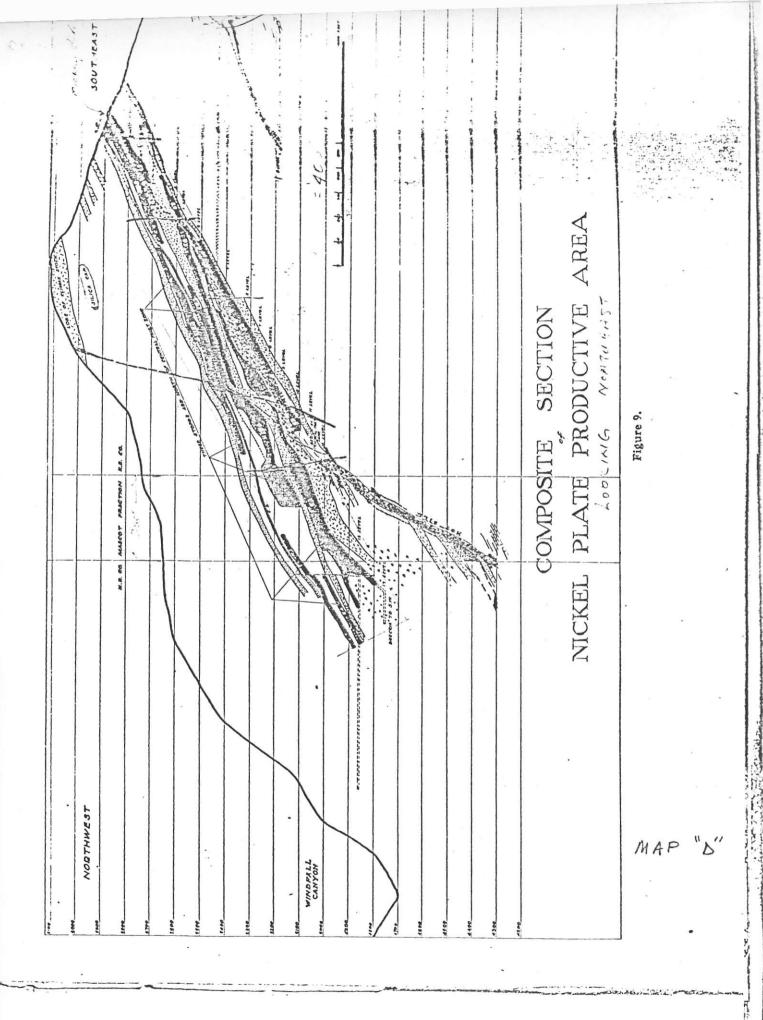
RAD/1k







MAP. "C"



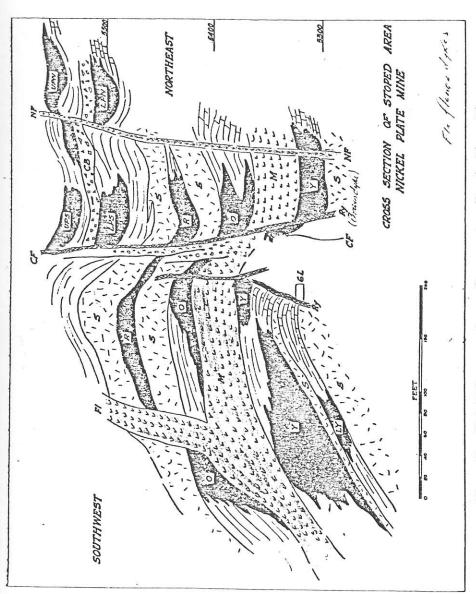


Figure 22.—Nickel Plate stoped area: Cross-section. (See also Figure 23) (For legend, see bottom of page 571)

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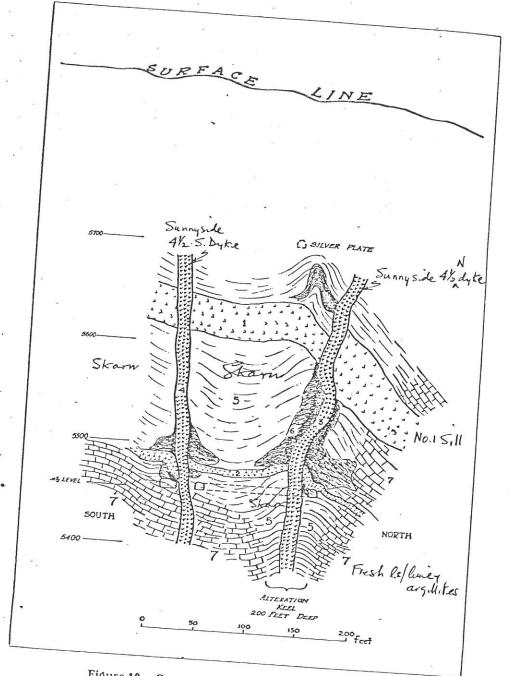


Figure 10.—Sunnyside 4½ orebodies: Cross-section.

(For legend, see bottom of page 545)

MAP "F"

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