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- Giant Pacific
Pete Inc

MEMORANDUM

TO: Bruno W. Barde DATE: December 13, 1989
FROM: Douglas A. Leishman FILE # 022560
RE: Primer South/Dill Compilation

1200-901 Wilton
J Austin
11/28/89

This study/compilation was completed upon the realization that the Primer South showing was situated within the area of the Dill Claims and adjacent to the recent submittal by Brican (Man Property).

A number of the more important assessment reports dealing with the immediate area of these showings were ordered. Assessment reports of adjacent areas were examined on microfiche, and information presented in Government reviews was examined. In addition two of the Engineers/Geologists who completed some of the early work were contacted (L. C. Manning and D. W. Tully).

Figure 1 shows the present claim holdings. The areas covered by the assessment reports reviewed (hard copy) are outlined. Figure 2 shows the main features taken from the various assessment reports in the immediate vicinity of the Dill Claims. The attached Table lists the pertinent drill and assay data related to the Primer South showing.

The review below outlines the various assessment reports examined and the more significant information from each.

Assessment Report No. 493*
Geophysical and Geochemical Surveys on the Primer Group, by J. W. Macleod for McIntyre Porcupine Mines Ltd. May 1963.

The work described in this report was concentrated in an area that is now known as the Primer North showing. Some work was also completed on the western extension of the Dill claim group.

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Work consisted of widely spaced soil sampling (field test analysis) with ground magnetic and electromagnetic surveys. Areas near known mineralization responded to the geochemistry. There were other erratic, anomalous results but because of their proximity to unmineralized outcrops they were considered insignificant.

No conductive zones were outlined by the electromagnetic survey. The limited magnetometer survey work (on north to south lines) did not outline any easterly structures nor did it detect any magnetic expression over known mineralization.

Assessment Report No. 1782*

Line cutting Report for Pageant Mines Ltd. February 1969.

Assessment Report No. 2354*

Diamond Drill and Geochemical Report for Pageant Mines Ltd. and Primer Group Minerals (Dillard Creek Property), D. W. Tully 1969.

Tully compiled all known diamond drill data that appears to have been completed by Primer Group Minerals Ltd. on both the Primer North and South Showings. The drill hole data for the Primer South showing is shown on Table 1. Tully also lists his source of drill data (various non-public reports). Core recovery and original analytical information is lacking in Tully's review. Some analytical information for gold is available for the 1969 drilling.

Tully recommended a program of large diameter, reverse circulation drilling on the Primer South property. There is no assessment data to indicate these recommendations were completed.

Assessment Report No. 2355*

Geophysical Report on the Airborne Magnetometer Survey on the Primer Group of Claims for Pageant Mines Ltd. May 1969 by Geo-X Surveys Ltd., D. R. Cochrane, P. Eng.

Lines were surveyed in a north to south direction with easterly tie lines. The area covered by survey is shown on the attached plan. The interpretation plan (Figure 5, in report) outlines major magnetic features relative to the Primer North and South showings. There are some magnetic

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features (mag lows) that might be related to areas of mineralization.

Assessment Report No. 2356*

Tectonic Analysis of Fracture Density (Photogeological Interpretation) by D. A. Chapman & Associates for Pageant Mines Ltd. April 1970. Also included is a geological and geochemical report on a smaller part of the claim group.

A number of tectonic anomalies are shown on Figure 2. There is a crude correlation between zones of mineralization and zones defined as tectonic anomalies. There were a significant number of tectonic anomalies outlined in this work. It is not known if these zones lead to the discovery or outline of further mineralization.

Included with this report was geochemical survey data that showed a number of areas anomalous in copper. Both the Primer North and South showings had corresponding soil anomalies. Also shown in this report were zones of pyrite concentration as well as an outline of a I. P. anomaly (source of survey data unknown).

There is an overlap of data presentation between assessment reports No. 2354, 2355 and 2356. Tully's report (No. 2354) is primarily a compilation of previous diamond drill data and geochemistry.

Assessment Report No. 4341*

Combined Geophysical and Geochemical Report on the Lorry and Sp Mineral claims by R. C. Heim, for Noranda Exploration Co. July 1972.

Noranda held ground south and adjacent to the Primer North and South group of claims. A widely spaced soil sampling program was completed (4 elements, Cu, Zn, Pb and Mo). A number of anomalous values in copper and zinc were outlined.

A limited amount of magnetic surveys were also completed on the same claim block. Sample and line spacing was so widespread that the survey results obtained must be considered inconclusive.

It is not known what eventual follow-up occurred in these areas.

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Assessment Report No. 4342*

Geochemical Survey of the Becki Claims by R. C. Heim,
for Noranda Exploration Company Ltd., September 1972.

This claim block lies to the west of the Lorry Claims and covers part of the ground presently held by Brican (Man Claims). Again, very widely spaced soil samples were collected. A number of anomalous values in copper and zinc were outlined, one of which might correspond to the mineralized areas later discovered on the Man property. There are other anomalous values that appear to be located in the southwestern corner of the Dill Claims.

Assessment Report No. 4491*

Combined Geochemical and Geological Report on the Star Mineral Claims by L. C. Reinertson and R. C. Heim,
Noranda Exploration Company Ltd., June 1973.

This report covers areas of the Dill Option and ground to the west. Sample collection was widely spaced and outcrop not overly abundant. All soil samples were analysed for copper, zinc and molybdenum. There were a number of widely spaced anomalous values in copper (sometimes with zinc). Further follow-up was necessary to fully delineate zones of interest.

Geological mapping was limited to the grid lines previously established. Two small outcrops of sparsely mineralized andesitic volcanics (chalcopryrite and malachite along fracture surfaces) were seen in the northeastern portion of the property. This area is shown on Figure 2 to be within the Dill claims.

It is not known what work was completed by Noranda on this ground after this date.

A number of reports were produced by G. Gutrath for Piper Petroleum in the late 1970's. These reports were assessments of the immediate areas of the Primer North and South showings.

Assessment Report No. 6877*

Outcrop Geology and Trenched area of Prime 2 Claim by G. Gutrath, P. Eng. for Piper Petroleums Ltd., July 1978.

Assessment Report No. 7340*

Continued.....

Geophysical and Preliminary Geological Report, Primer Claims Group, by G. C. Gutrath for Piper Petroleum, June 1979.

Assessment Report No. 7521*
Outcrop Geology Report by G. C. Gutrath, Piper Petroleum Ltd., July 1979.

Assessment Report No. 8364*
Outcrop Geology Report on Prime 2 Claim by Gutrath for Piper Petroleum, May 1980.

Very little new data is presented in the above reports. Old trenches, outcrops, zones of mineralization and alteration are mapped with some magnetometer surveys.

The last report (No. 8364) deals mainly with the Primer South showing, makes reference to drill hole 1969-1 and suggest to re-drill it. Gutrath makes no reference to work completed or operators in the period from 1970 to 1978. Nor does he make any reference to any drilling completed in this period.

Assessment Report No. 4169
Geophysical Report (I. P. and Magnetometer) Belcarra Explorations Ltd. (Rio Tinto option) by Nielsen and Gutrath, Dec. 1972.

This assessment report covers an area that encompass part of the Man Claims and an area to the west of the Primer North group. There is no data relevant to the Dill claims.

In addition to the above reports reviewed other data sources were examined and consulted. This included PDI Grid Files.

Primer Group, Nicola Mining Division, by J. A. Mitchell, P. Eng., Consulting Engineer, April 1966.

A short report prepared by the above was found within PDI File 022560. Plans of trenches etc. for both Primer showings are presented with recommendations for further work. A reference is made to an X-Ray diamond drill hole, drilled to a depth of 100 feet under Trench 7A. Some representative samples of the core were analysed for gold. Copper values obtained were very uniform (0.47% to 0.52%)

X
Primer
North

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copper) however significant values in gold (0.015 to 0.04 oz/t Gold) were obtained. This hole was drilled on the Primer North showing.

Also within the same file are records of a property examination Mitchell (then employed by Placer) completed in 1964 on the Primer showings. His evaluation was reasonably positive.

A reference is made in the Minfile to a report by D. W. Pringle in 1969. A portion of this report was obtained (map of South Zone) which shows drill sites and trench areas. Also obtained was a table listing drill results for some percussion drilling (most of which was completed in the North Zone).

Information from this report indicates three percussion holes were completed in the area of the Primer South Zone (1 in 1967, and 2 in 1968). These are shown on the attached table.

Phone contact was made with two of the former engineers on site (L. C. Manning and D. W. Tully). Both were helpful and could probably assist if more detailed information is required for the period 1966 to 1970. D. W. Pringle has apparently moved to Oliver and might have a more complete file on this area and perhaps be familiar with developments in the area from 1970 to 1978.

According to Lou Manning (not confirmed) Jimmy Pattison and the Gagliardi brothers were involved in this area thru a public (or private company) prior to the election of the N.D.P.

Information in the Northern Miner Handbook for 1973/74, 1974/75 and 1975/76 indicates part of the Primer claim block was optioned to Rio Algom Mines Ltd. (from Primer Group Minerals) in January 1973. This option was relinquished in September of 1974. I found no documentation of drilling during this period.

This memo is meant to assist in locating and assessing data for the Primer South showing and its immediate surroundings (ie: the Dill option and possibly the Man property).

There appears to be no data available immediately after this period. Possibly the present owners of the Primer North showing have access to unpublished or non public reports.

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One of Tully's recommendations in 1969 was to complete some large diameter reverse circulation drilling. There is no record to indicate this recommendation was carried out.

Douglas A. Leishman
Douglas A. Leishman, B. Sc.

Encl: Figures 1 & 2
Table showing drill data for Primer South showing

References:

L. C. Manning, Vancouver Phone 669-3522 (Contacted)
D. W. Tully, Vancouver, Phone 926-3770 (Contacted)
D. W. Pringle, Oliver, Phone 498-3656 (not contacted)
Larry Jones, Minfile (Victoria) Phone 356-2825 Fax 387-3594
Minfile
BCDM Annual Reports
Assessment Files (* indicates hard copy in Kamloops office)

Primer South Showing
Diamond Drill Hole Data

Drill Hole	Location	Direction	Dip	Length	Ovb	Value	%Cu/Feet
DDH 66-1	6+00E, 0+55S	S80E	45	418'	30'	30-418, 0.22/388; 195-225, .34/30'	
DDH 66-2	0+20W, 3+80S	N70E	38	410'	19'	154-409, 0.15/265'	
DDH 67-1	0+35S, 2+15E	NW	60	200'	6'	RNA (cpy with andesites)	
DDH 67-2	0+25S, 2+00E	SE	60	180'	5'	RNA (cpy with andesites)	
DDH 67-3	0+25S, 2+05E		90	126'	6'	as above	
DDH 67-4	Location ?		90	620'	16'	16-410, 0.24/394 with some gold to 0.015 and K Spar alt	
DDH 67-5	3+20E, 0+35N	W	45	309'	6'	8-309, 0.23/301, gold to 0.02, end hole 0.39Cu	
DDH 68-11	3+50S, 2+00E		90	52'	1'	1-52, 0.24/51 hole bottoms 0.30% Cu	
DDH 68-12	as above?		90	128'	4'	4-128, <u>0.33/124</u> hole bottoms 0.27% Cu	
DDH 69-1	20E, 1500S	S10W	45	813'	132'	132-262, <u>0.40/130</u> ; 262-811, .23/549	26/679
DDH 69-2	20E, 1420S		90	403'	84'	84-400, 0.14/316	
DDH 69-3	24E, 476S	S22W	54	246'	165'	165-246, 0.05/81	
DDH 69-4	28E, 2315S	GSouth	54	343'	43'	43-343, 0.02/300	
DDH 69-5	32E, 1580S	GNorth	70	813'	83'	83-813, .07/729; 398-418, .35/20	
DDH 69-6	32E, 300S		90	598'	55'	55-598, 0.05/543	
DDH 69-7	12E, 1615S	Gsouth	54	1001'	30'	30-1001, 0.17/971	
DDH 69-9	40E, 1800S	Gsouth	43	375'	30'	Assays incomplete, very low values	
DDH 69-10	2W, 2075S	Gsouth	45	573'	41'	41-573, 0.05/532	

Percussion Drill Holes


67-P-1						0.12%Cu across 300' (estimate) source unknown
68-P-7	0+50N, 4+00E		90	60'		
68-P-7A	0+50N, 3+90E		90	200'		0.028/120', last 20', 0.235%Cu
68-P-6	7+50N, 12+00E		90	180'		low values
68-P-9	0+60N, 4+00E		90	300'		0.017/290'


Table I

Drill Holes and Assay Intervals from Primer South Zone


2806

COMPILATION PLAN

 I.P. ZONE
SOURCE UNKNOWN

 MAGNETOMETER
ANOMALY

 ZONE OF LOCATION
WITH ELEMENT

 "TECTONIC ANOMALY"
fracture density
OUTLINE FILL

FDI FILE 022560

SCALE 1:50,000

IMLLKAMEEN PROVINCIAL FOREST

DIE SOIL GRID

YOLCHGRAN

AYON
DILL
TRENCH
AREAS

Primer
South

AERO
MAG
FI

2800

2802

2804

13

12

11

10

09

L2431

L1333

FIGURE 2

