

019692

Review of 1974 Exploration on
Pelly River Mines Claims, Anvil District,
Yukon Territory

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INTRODUCTION

The 1974 exploration work on Pelly River Mines claims included gravity follow-up of 1973 Turam surveys on the southern half of the GALE claims and Turam and ground magnetometer work on the northern section of the GALE claims. Bulldozer trenching across a Turam conductor defined in the 74 surveys encountered bedrock (chloritic phyllite) in one trench. In addition to the fieldwork, an attempt is being made to locate accurately claims and geophysical grids on the Pelly River Mines ground. This work is in conjunction with an extensive survey of all Anvil's claims and areas of interest within the Anvil Range, Yukon Territory.

The cost to Pelly River Mines for the 1974 exploration work was \$17,190. The cost to various Pelly River Mines partners is:

Cyprus Anvil Mining Corporation	\$ 9,823
Rose Creek Vangorda Mines	4,911
Cyprus Mines Corporation	1,474
Dynasty Explorations Ltd.	<u>982</u>
	\$17,190

GRAVITY SURVEYS

In 1974 gravity follow-up on Turam conductors outlined on the GALE grid in 1973, identified one 0.4 milligal residual anomaly on the "F" group of Turam conductors which were defined on map FX-7307. No significant gravity anomalies were associated with the other conductor zones. The area of the gravity anomaly was investigated in the field and locates on a sharp change in slope and may represent a combination of change in overburden thickness and change in rock type from phyllite to amphibolite. The gravity anomaly is also partly coincident with anomalous conductors and geochemical values and further investigation by trenching and possibly drilling, must be undertaken to evaluate the cause.

ELECTROMAGNETIC SURVEYS

The 1974 Turam electromagnetic surveys on the northern half of the GALE claims revealed several conductors of various widths and lengths. The most significant conductor is located at the western edge of the claims at the south end of the survey grid. Outcrop was not found in the area of the anomaly, but a nearby overburden drill hole (71-158), on strike and to the east of the anomaly, cut chloritic phyllite. Bulldozer trenching uncovered chloritic phyllite in one trench in the area of the 1971 overburden drilling. The maximum depth of the other trenches along this anomaly was 14 feet and the minimum depth about 8 feet, all in overburden.

No conductive materials were found in association with the chloritic phyllite and the cause of the anomalous conductor response is not known.

MAGNETIC SURVEYS

A ground magnetometer survey using a Scintrex MF-1 fluxgate instrument over the 1974 GALE Turam grid indicated several bands of anomalous high magnetic responses. One narrow band is in part coincident with the Turam anomaly at the southwest end of the surveyed grid. There are no outcrops in the area of this magnetic anomaly.

SURVEYING

The previously proposed ground surveys to tie in known claim and grid points on Pelly River Mines ground were abandoned for alternative methods. As part of the 1974 Cyprus Anvil Mining Corporation aerial survey to produce a topographic map of the district, many identifiable survey points such as claim corners, grid bases, etc., on various Pelly River Mines claims were targetted.

Final maps showing the correct horizontal positions of the identified points were anticipated in early February 1975 but will not be available until later in the year. These maps will be used as a compilation base for all previous exploration data related to the Pelly River Mines claims.

The cost of this flying, photography, and orthophoto mapping to Pelly River Mines was estimated as a proportion of the total cost on a square mile basis.

COSTS

The costs of the 1974 exploration to Pelly River Mines for work done in the Anvil Range is \$17,190 based on invoiced costs and a 15 percent overhead charge. In specific the costs are:

Surveying

White, Hosford & Impey	\$	615	
North West Survey Corporation		663	

 1278.00

Geophysical Surveys

Electromagnetic Survey

Contract Costs (P. E. Walcott & Assoc.)	1,663
Linecutting Costs	917

Magnetometer Costs

Costs (Cyprus Anvil Mining Corporation)	542
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Gravity Survey

Contract Costs (P. E. Walcott & Assoc.)	8,911
Linecutting - recut and new lines	912

 12945.00

Trenching

Contract Costs (W. Grant Trucking Co.)	<u>725</u>
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Subtotal (carried forward) \$14,948

	Subtotal (brought forward)	\$14,948
Overhead at 15% of Subtotal		<u>2,242</u>
TOTAL COST		\$17,190

The cost to individual partners in Pelly River Mines is:

Cyprus Anvil Mining Corporation	\$ 9,823
Rose Creek Vangorda Mines	4,911
Cyprus Mines Corporation	1,474
Dynasty Explorations Ltd.	<u>982</u>
	\$17,190

LAND STATUS

In 1974 no changes occurred in the land holdings of Pelly River Mines. The costs of physical work on Pelly River Mines ground was filed for assessment credits. In addition to the work on Pelly River Mines ground 75 claim years were filed on Pelly River from physical work done on Anvil claims in the mine area.

On the basis of all work applied the expiry dates of the various Pelly River Mines claims are as follows:

	<u>Claims</u>	<u>No.</u>	<u>Expiry Date</u>
BILL claims and related fractions		20	1 July 1979
JOE	" " " "	2	1 July 1976
"	" " " "	3	1 July 1977
"	" " " "	2	1 July 1978
"	" " " "	<u>5</u>	1 July 1979
		<u>12</u>	
LO	" " " "	21	1 July 1982
GALE	" " " "	66	23 Oct 1977
"	" " " "	24	1 July 1977
TIE	" " " "	48	1 July 1975
"	" " " "	1	1 July 1977

Respectfully submitted,

Uldis Jansons

J. G. Simpson,
Exploration Manager