

5195

GEOLOGICAL REPORT

on the

D.G. CLAIM GROUP

situated near

Sam Goosly Lake

93L/1W

OMINECA MINING DIVISION

93L/1W

Lat. $54^{\circ} 10'$ N., Long. $126^{\circ} 20'$ W.

DG

on behalf of

PAYETTE RIVER MINES LTD. (N.P.L.)

by

Angus L. J. MacDonald, P. Eng.

Vancouver, B.C.

August 13, 1974.

Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. 5195 MAP _____

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SUMMARY AND CONCLUSIONS

A total of 820' of percussion drilling was done on the D.G. claim group.

P-1 and P-2 drill holes intersected Early Mesozoic dacite immediately beneath the overburden. P-3 encountered approximately 100' of basic Eocene Goosly Lake Volcanics before penetrating the dacite. P-4 had to be abandoned at 60' while still in the younger volcanics.

The dacite had roughly the following composition: Feldspar 80-85%, quartz 5%, mafics under 1%, and pyrite 5-10%. The pyrite content is sufficient to cause the I.P. anomaly.

The cuttings from the holes were analyzed for Mo, Cu, Zn, Ag, Sb, As and Au. No ore grade material was encountered in any of the holes.

Alvin J. Hartman

INTRODUCTION

An induced polarization survey by Cochrane in 1971 outlined a strong "thumbprint" anomaly centred on the D.G. #1 claim.

In July 1974, four percussion holes were drilled to test the source of the I.P. anomaly.

LOCATION AND ACCESS

The D.G. claims are situated in the Omineca Mining Division, about 1/2 mile north of the eastern end of Goosly Lake, approximately 30 miles southeast of Houston, B.C.

An all-weather road, locally called the Buck Creek Road, extends from Houston to Kennco's camp about 3 miles northeast of the east end of Goosly Lake.

A 4-wheel drive road branches to the west about 1/2-way between Goosly Lake and Kennco's camp, and crosses the D.G. claims.

CLAIMS AND OWNERSHIP

The D.G. group consists of 9 contiguous claims in a 3x3 square block.

The following list shows pertinent claim information.

<u>Claim Name</u>	<u>Record Nos.</u>	<u>Anniversary</u>
D.G. 1 - 4	98305-98308	April 30
D.G. 10	98314	"
D.G. 12	98316	"
D.G. 14	98318	"
D.G. 41-42	98345-98346	"

The claims are owned by Payette River Mines, Ltd. (N.P.L.), 105-1670 West 8th Ave., Vancouver, B.C.

PERCUSSION DRILLING

Four percussion holes were drilled on the claims by Josco Mining Co., Ltd.

Holes P-1, -2, and -3 were drilled on D.G. #1, and Hole P-4 on D.G. #3.

P-1 Date: July 12, 1974.

Length: 310'

Attitude: Vertical

Logged: A. MacDonald

Footage: 0 - 25' overburden

25 - 310' (homogeneous throughout)

rock type - dacite

alteration - sericite, clay

mineralization - 5-10% pyrite

Analyses: (p.p.m.)

	<u>Mo</u>	<u>Cu</u>	<u>Zn</u>	<u>Ag</u>	<u>Sb</u>	<u>As</u>	<u>Au (p.p.b.)</u>
30 - 80	1	17	215	0.6	9	50	15
80 - 130	2	13	131	0.7	8	50	25
130 - 180	2	10	65	0.7	8	25	30
180 - 230	2	9	97	0.6	9	40	45
230 - 280	4	28	500	1.6	14	120	50
280 - 310	4	31	650	2.0	60	400	65

P-2 Date: July 13, 1974.

Length: 240'

Attitude: Vertical

Logged: A. MacDonald

Footage: 0 - 20' overburden

PERCUSSION DRILLING

P-2 (cont.)

Footage: 20 - 240' (homogeneous throughout)

rock type - dacite

alteration - sericite, clay

mineralization - 5-10% pyrite

Analyses: (p.p.m.)

	<u>Mo</u>	<u>Cu</u>	<u>Zn</u>	<u>Ag</u>	<u>Sb</u>	<u>As</u>	<u>Au (p.p.b.)</u>
30 - 80	3	26	174	0.9	15	80	50
80 - 130	3	40	760	1.5	11	150	100
130 - 180	1	48	710	4.8	15	200	30
180 - 240	1	35	1100	1.8	15	100	40

Original Data

P-3

Date: July 14, 1974.

Length: 210'

Attitude: Vertical

Logged: A. MacDonald

Footage: 0 - 25' overburden

25 - 125' Goosly Lake Volcanics

125 - 210' (homogeneous throughout)

rock type - dacite

alteration - sericite, clay

mineralization - 5-10% pyrite

Analyses: (p.p.m.)

	<u>Mo</u>	<u>Cu</u>	<u>Zn</u>	<u>Ag</u>	<u>Sb</u>	<u>As</u>	<u>Au (p.p.b.)</u>
130 - 170	1	25	480	3.1	14	150	80
170 - 210	2	26	156	2.6	24	100	30

Original Data

PERCUSSION DRILLING

P-4 Date: July 16, 1974.

Length: 60'

Attitude: Vertical

Logged: A. MacDonald

Footage: 0 - 10' overburden

10 - 60' Goosly Lake Volcanics

Lost water at 60' and abandoned hole.

Original A. MacDonald 7/29

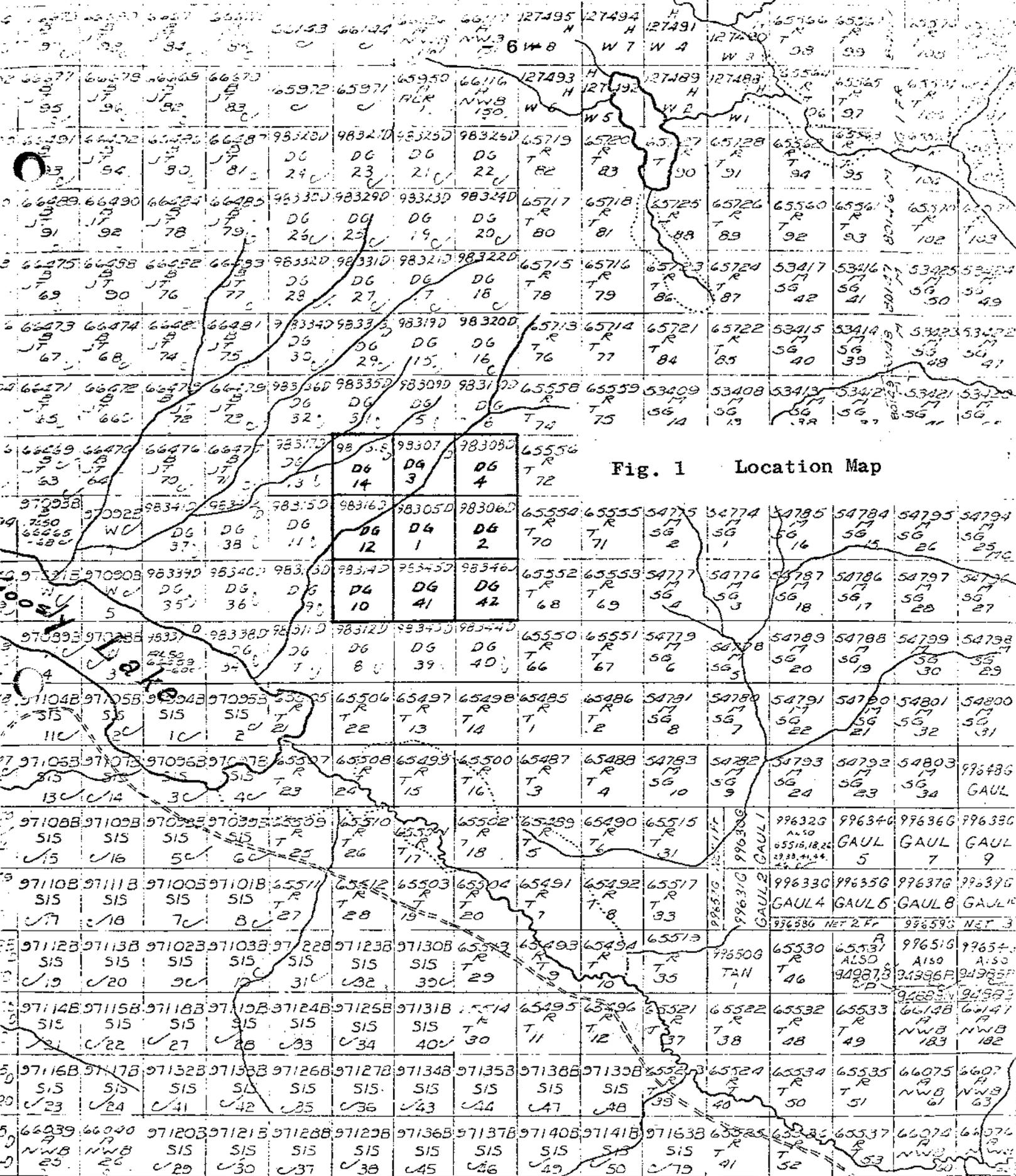
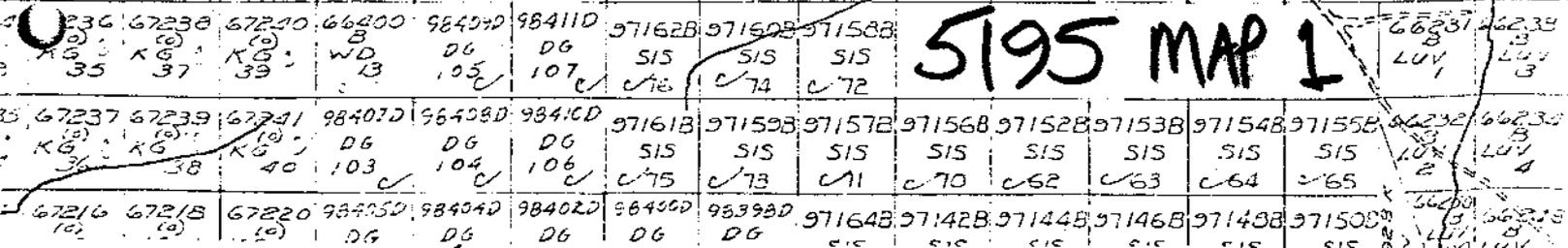


Fig. 1 Location Map

5195 MAP 1

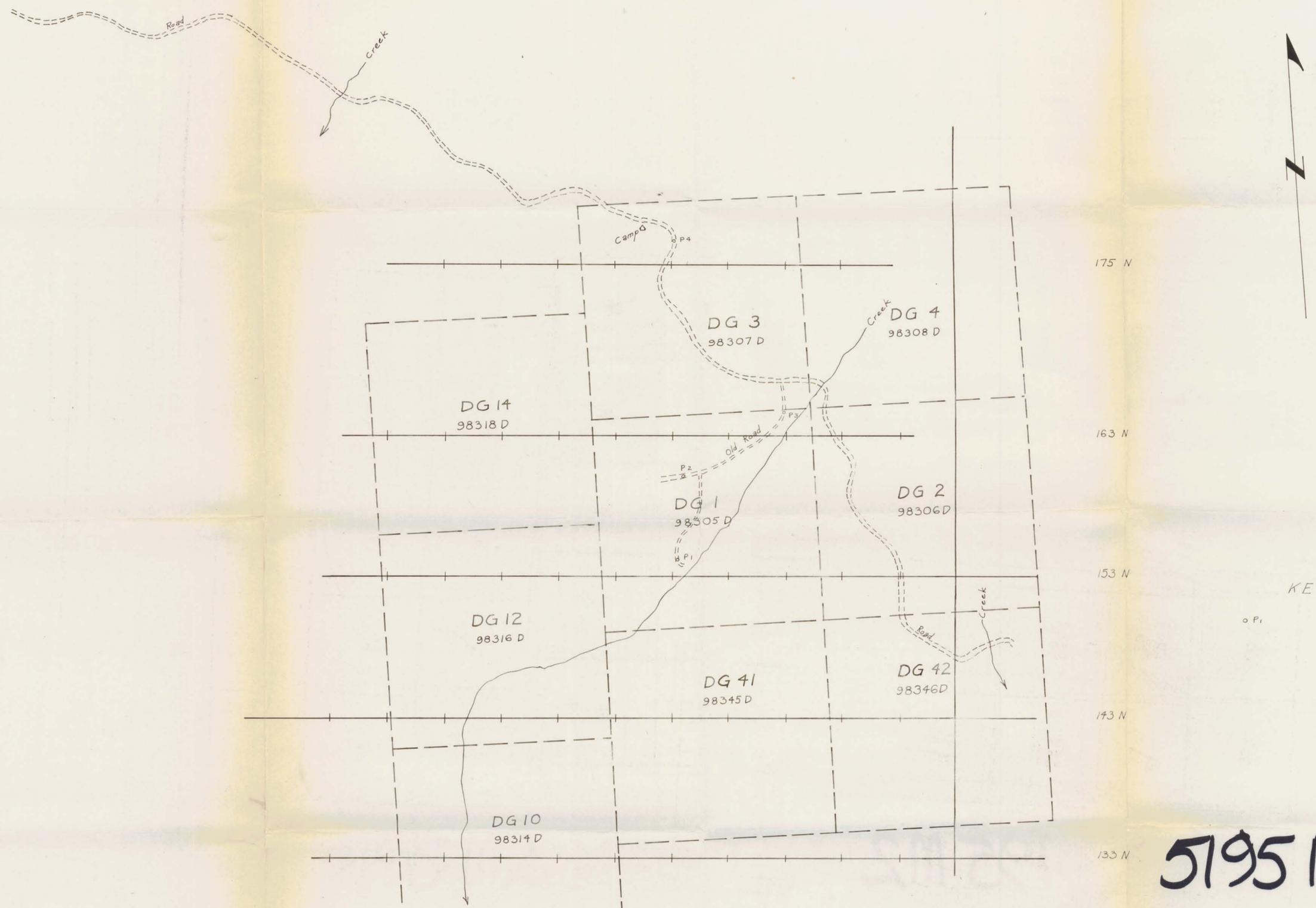


STATEMENT OF COSTS

July 9 - 17, 1974

Truck Rental	\$ 358.34
Gasoline	102.91
Percussion Drilling - 820'	2877.00
Bulldozer for Moving Drill	300.00
Analysis of Cuttings	171.70
Supervision - A. MacDonald	
- 10 days @ \$91.31/day	913.10
Room and Meals - A. MacDonald	<u>131.60</u>
	<u>\$4854.65</u>

A. MacDonald



KEY
 o P_i Percussion Drill Site

5195 M2

OREQUEST	
Payette River Special Venture	
CLAIM MAP	Scale 1" = 400'
<small>Data from map accompanying Geophysical Report by D.R. Cochrane, P. Eng., and A. Scott, B.Sc., dated Nov. 25, 1971.</small>	
<small>Department of Mines and Petroleum Resources</small> ASSESSMENT REPORT	
NO. 5195 MAP #2	