

PROSPECTING REPORT FOR MACS GROUP
OF CLAIMS (MAC 1, MAC 2)
LILLOOET MINING DISTRICT

LATITUDE : 50 deg. 37.5' N.
LONGITUDE: 122 deg. 31 ' E.
NTS : 92½ 10E

OWNER
OPERATOR
AUTHOR

BILL McCONECHY

DATE : JUNE 14, 1982

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,494
No

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PROSPECTING REPORT FOR MACS GROUP

INTRODUCTION

The MACS Group, consisting of the two claims: Mac 1 and Mac 2 (10 units each) is located 4 miles west of Anderson Lake on the McGillivray Creek Trail. The precise location is 50 deg. 37.5' N. latitude and 122 deg. 31' E. longitude on NTS map unit 92J 10E. The Group lies wholly to the north of McGillivray Cr. and extends from the creek up-slope, just past the mountain ridge. The claims are accessible by vehicle from Vancouver via Highway 99 to D'Arcy (at Anderson Lake) and then up the powerline road to the start of the McGillivray Cr. Trail. About 2 miles of hiking along this good trail bring one to Diorite Camp at the south perimeter of the claims (see Map 2.).

Diorite Camp presently consists of two large, partially delapidated log cabins and several smaller out-buildings. The camp could have accomodated 20-30 men in it's day. From all accounts, Diorite Camp dates back to about 1910, when the Anderson Lake Mining Co., which was working the McGillivray Cr. Gold Mine 2 miles to the east, claimed the property and performed exploratory work on a 'Quartz vein in Horneblende Diorite' (B.C. Dept. of Mines MINFILE). No economic quantities of gold were found and it is assumed that the work stopped when the McGillivray Cr. Mine closed in 1910.

The present claims, shown on Map 1., totals 20 units and are owned and operated by Bill McConechy. It is believed that gold-bearing quartz veins on the property would be associated with the geologic contact between the Hurley Fm. and the Bralorne Intrusives (see Map 2.). As Diorite Camp is situated on the presumed contact between the Hurley Fm. and a granodiorite pluton, it is possible that the A.L.M.C. was not tunneling in the gold-bearing area.

The decision was made to prospect the area for evidence of quartz veins, making note of rock types and taking rock and soil samples for field and laboratory analysis. The scale of the geology from which the information on Map 2. was taken was 1:250,000 (see G.S.C. Paper 73-17). Thus the contact locations can only be considered approximate. It is hoped that a more accurate location of the contacts could result in the discovery of gold-bearing quartz veins.

DISCUSSION AND INTERPRETATION

There are three lithological units in the area prospected, and these are described in G.S.C. Paper 73-17:

1. The Bralorne Intrusives are of considerable economic importance within the Cadwallader Shear Zone to the west. This dark, greenish grey diorite has irregular texture, and may contain aplite, epidote, carbonate, or quartz veins. This unit intrudes the overlying Hurley Fm., which is also of Upper Triassic age.
2. The Hurley Fm. consists of more than 500 m. of argillite, limestone, tuff, and conglomerate beds. The beds are characterized as limy with andesitic flows and coarse conglomerate.
3. The granodiorite pluton also in the area is a 'clean, homogenous, medium-to-coarse-grain, light-coloured, biotite-hornblende granodiorite'. Although contacts are sharp, the pluton commonly sends a network of dykes into the wallrock. From a distance the pluton can be identified as bold outcrops with low-angle joints which appear to be stratifications.

In the area of the claims, the individual units can be clearly identified at the high elevations where bedrock is exposed but at the lower elevations till covers the side slope requiring an interpretation of the type of float to determine the contacts. Although the Granodiorite/Bralorne contact, as outlined in G.S.C. Paper 73-17, is shown following the one creek in Map 2., it is more likely, from float found, that it follows a line closer to the creek 500 m. to the east. This would move the Hurley Fm./Bralorne contact to the east as well. Indeed a large boulder of quartz float was found along this hypothesized line, and it contained small but recognizable blebs of free gold. Rock sample #2 consisted of part of this float. Gold-bearing portions of this sample were tested in the field and gave a positive reaction. As seen in the Results of Lab Analysis, the sample tested in the lab showed the presence of gold in dilute quantities.

A well worked-over quartz vein, about 2' wide, was exposed along the rocky ridge at rock sample site #4. This contained a considerable number of stibnite rosettes and, although the gold was visible, the analysis shows 50 ppb Au. Unfortunately this vein is probably an anomaly within the granodiorite pluton. If this not true, then the geology will have to show a contact here.

While the float and outcrop was being examined, numerous soil and rock samples were taken and field tested using two basic methods. Then samples which gave a field response were bagged for laboratory analysis (see results on pages 6-8). All soil samples were taken from the B-horizon. Field samples were tested

for Au/Ag by a cold aqua regia or nitric acid dissolution with a spot test and for Cu/Zn/Pb by the dithizone test. None of the soil samples indicated Au/Ag in the field because of the sensitivity of the test. However, the two small creeks in the area were panned and the fines analysed indicating that gold was present in the eastmost creek. This was the site of the gold-in-quartz boulder float. A further, more extensive field test survey is recommended, concentrating on this small creek, sampling, panning, and testing the silts and neighbouring soils.

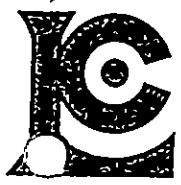
It is also recommended that a detailed ground magnetometer survey, with a north-south baseline and east-west grid lines, be carried out in the summer of 1983. This could give an accurate definition of the important contacts. Map 8551 G Airborne Magnetometer Survey clearly shows that the contacts follow the isomagnetic lines, although again, the exact locations are only approximate considering the scale of the map. An accurate location of these rock contacts will facilitate further exploration activities in this area.

ITEMIZED COST STATEMENT

ITEM	No. of Days	\$/Day	Dates	Sub-Total	Total
WAGES (one assistant)	14	\$50.00	Aug 3-9 Aug 15-21	\$ 700.00	\$ 700.00
FOOD (two men)					
Restaurant	3	\$25.00	Aug 9,15,21	\$ 150.00	
Camp	11	\$15.00	Aug 3-8,16-20	\$ 330.00	
					\$ 480.00
TRANSPORTATION	3	\$100.00	Aug 9,15,21	\$ 300.00	\$ 300.00
EQUIPMENT					
Chemical Field Test Kits (AU,AG,PB,ZN,CU)				\$ 235.00	
Camp Gear				\$ 225.00	
Maps and Reports				\$ 35.00	
Survey Gear				\$ 130.00	
					\$ 625.00
REPORT PREPARATION				\$ 100.00	\$ 100.00
ANALYSIS			No. of Samples		
Soil (CU,PB,ZN,AG,AS,SB,AU(FA+AA))			10	\$ 180.00	
Rock (SB,AU(FA+AA))			4	44.00	
					\$ 224.00
					<hr/>
					\$2429.00

QUALIFICATIONS OF AUTHOR

The author of this prospectors' report graduated from B.C.I.T., in Mining Technology, in 1973. Since 1972 he has been employed on several exploration crews performing drill logging, surveying, and geological, geochemical, and geophysical surveys for companies such as Canadian Superior Explorations, Hazelton Joint Ventures, and Noranda. He has lead several other private prospecting ventures, the most notable being 3 km. south of the present Cirque deposit in the Rocky Mountains (Family group of claims, Omenica Mining Division, July 28, 1975), This project was aided by the B.C. Prospector's Assistance Grant. The author is presently employed as a computer specialist for mining applications.



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CERTIFICATE OF ANALYSIS

TO : McCONECHY, MR. BILL
12518 208th STREET
MAPLE RIDGE, B.C.
V2X 4X2

CERT. # : A8113086-CC1-A
INVOICE # : I8113086
DATE : 28-AUG-81
P.O. # : NONE

#	Sample description	Prep code	Sb AU-FA+AA					
			ppm	ppb				
#1	77654	205	0.6	10	--	--	--	--
2	77655	205	0.2	20	--	--	--	--
3	77656	205	0.4	10	--	--	--	--
4	77657	205	12.0	50	--	--	--	--



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CERTIFICATE OF ANALYSIS

TO : McCONECHY, MR. BILL
12518 208th STREET
MAPLE RIDGE, B.C.
V2X 4X2

CERT. # : A8113085-001-A
INVOICE # : 18113085
DATE : 28-AUG-81
P.C. # : NONE

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	AS ppm	Sb ppm
81-1	201	25	1	63	0.1	7	0.4
81-2	201	11	1	80	0.1	6	0.2
81-3	201	53	1	125	0.1	9	0.4
81-4	201	55	1	76	0.1	7	0.6
81-5	201	94	2	60	0.1	17	0.6
81-6	201	20	1	73	0.1	5	0.6
81-8	203	66	2	56	0.1	9	0.8
81-9	203	1050	1	45	0.2	10	0.6
81-10	203	64	1	45	0.1	15	0.6
81-11	203	14	1	16	0.1	5	0.6

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TO : McCONECHY, MR. BILL
12518 208th STREET
MAPLE RIDGE, B.C.
V2X 4X2

CERT. # : A8113085-001-8
INVOICE # : I8113085
DATE : 28-AUG-81
P.C. # : NONE

Sample description	Prep code	AU-FA+AA ppb						
81-1	201	10	--	--	--	--	--	--
81-2	201	10	--	--	--	--	--	--
81-3	201	10	--	--	--	--	--	--
81-4	201	5	--	--	--	--	--	--
81-5	201	15	--	--	--	--	--	--
81-6	201	5	--	--	--	--	--	--
81-8	203	10	--	--	--	--	--	--
81-9	203	5	--	--	--	--	--	--
81-10	203	15	--	--	--	--	--	--
81-11	203	15	--	--	--	--	--	--

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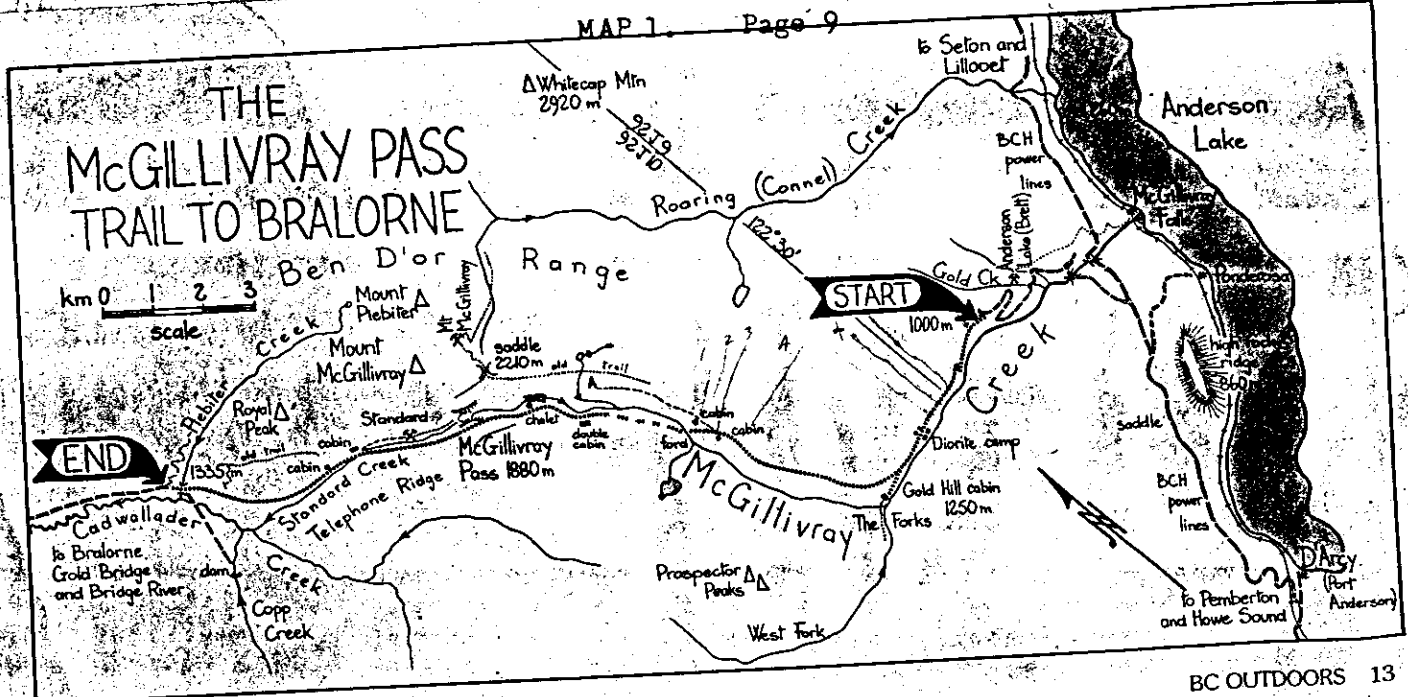
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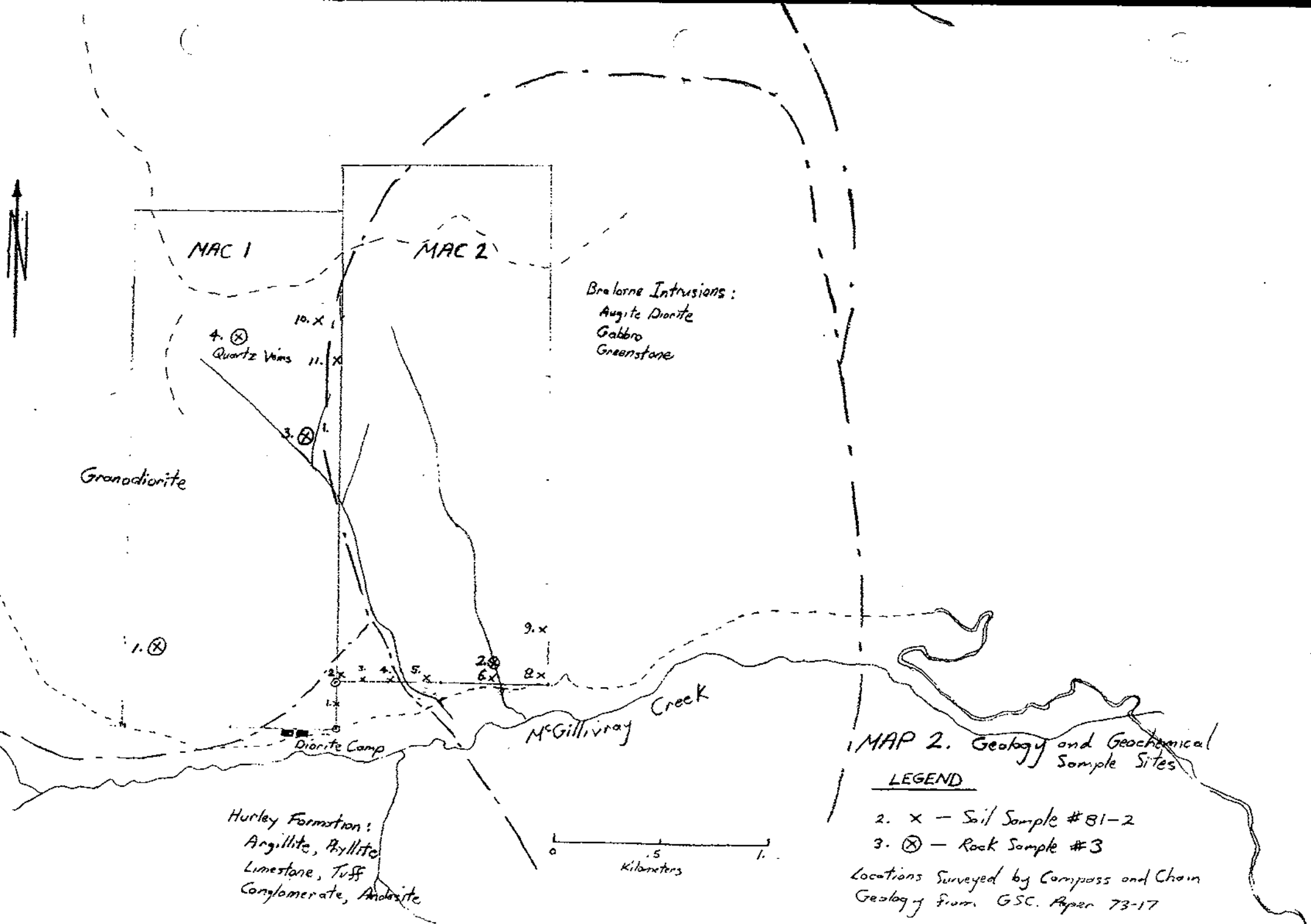
THE MCGILLIVRAY PASS TRAIL TO BRALORNE

km 0 1 2 3
scale

END

START





Bralorne Intrusions:
 Augite Diorite
 Gabbro
 Greenstone

Granodiorite

McGillivray Creek

Hurley Formation:
 Argillite, Phyllite
 Limestone, Tuff
 Conglomerate, Andesite

MAP 2. Geology and Geochemical Sample Sites

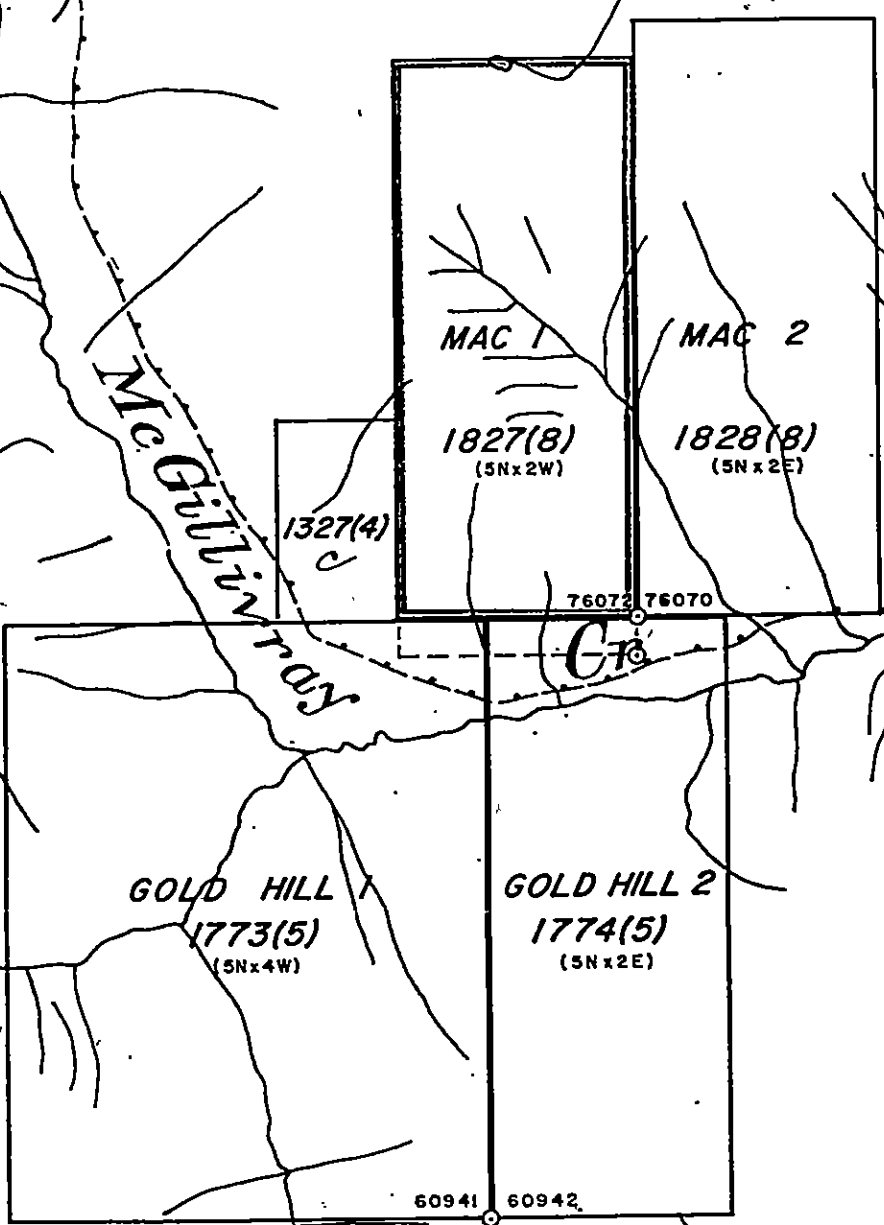
LEGEND

- 2. x - Soil Sample # 81-2
- 3. ⊗ - Rock Sample # 3

Locations Surveyed by Compass and Chain
 Geology from GSC. Paper 73-17

0 .5 1
 Kilometers

62597



4

TO EAST SEE MAP 92 J/9 W

3

MAP 92 J 10E