

014035

GEOLOGY AND GEOCHEMISTRY

OF SOUTH PART OF SHELDON AREA

McEvoy Creek

N.T.S. 105-G-9

By:

J. M. Bremner

ATLAS EXPLORATIONS LIMITED

December, 1969

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330 MARINE BUILDING
355 BURRARD STREET
VANCOUVER 1, B.C.

GEOLOGY AND GEOCHEMISTRY OF SOUTH PART OF SHELDON AREA

INTRODUCTION

On the 15th July, 1969, 4 men employed on the Tintina Project and based at the Finlayson Lake Camp, were temporarily detached to silt sample creeks in the southern part of the Sheldon Area. The intended purpose was to acquire a regional impression of reported mineralization in the area.

GEOLOGY AND GEOCHEMISTRY

The most eastern of the four creeks was fairly well mapped (Fig. 1). Between a graphitic shale, on the southwest side of the creek, and granite to the north, a contact skarn was located which carried molybdenite, chalcopyrite, scheelite, possibly ~~sylvite~~? and iron sulphides (sample examined by G. Pearse and K. Dawson). A silt-sample taken from this area gave an anomalous Cu value (Fig. 2).

Approximately 1½ miles southwest of here, anomalous Pb and Zn values were picked up from two adjacent creeks. It appears they are associated with phyllitic limestones in the area.

Worth noting is a high Mn. value (4,235 ppm), from McEvoy Creek, immediately south of the lake. A low associated Zn value indicates impoverishment of this element in the area.

RECOMMENDATIONS

1. Examination of the contact skarn, as well as the Pb-Zn areas, should be undertaken by a geologist in early Spring 1970.
2. A number of soil-sample lines run across the skarn horizon would indicate sheelite distribution and concentration.
3. Pace-and-compass mapping of the two mineralized areas would provide a better understanding of the geologic associations.

Respectfully submitted,

J. M. Bremner,

December 19, 1969

130°30'
61°45'

130°00'
61°45'

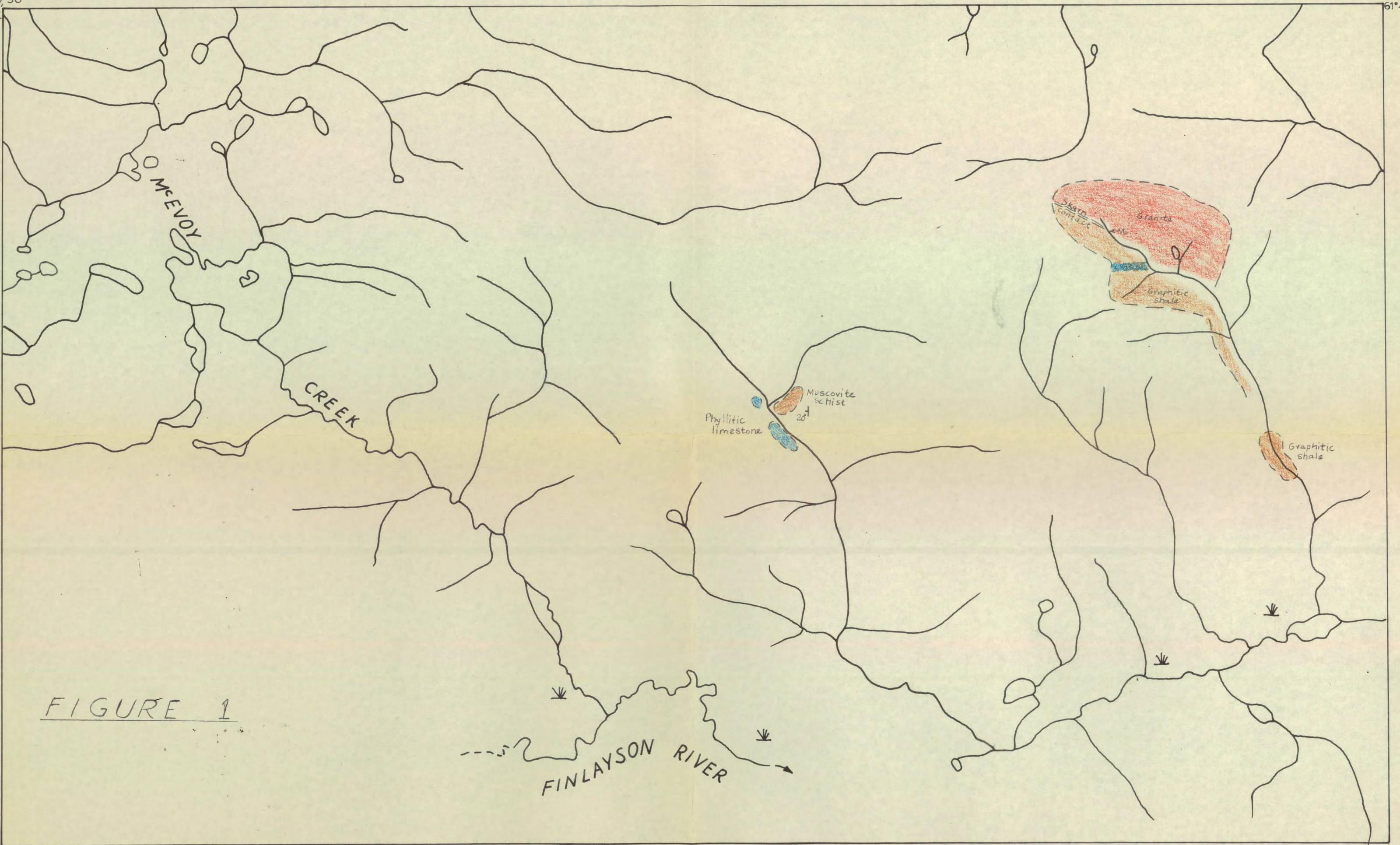


FIGURE 1

1/2 mile = 1 inch

Mc EVOY CREEK

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GEOLOGY

130°30'
61°45'

130°00'
61°45'

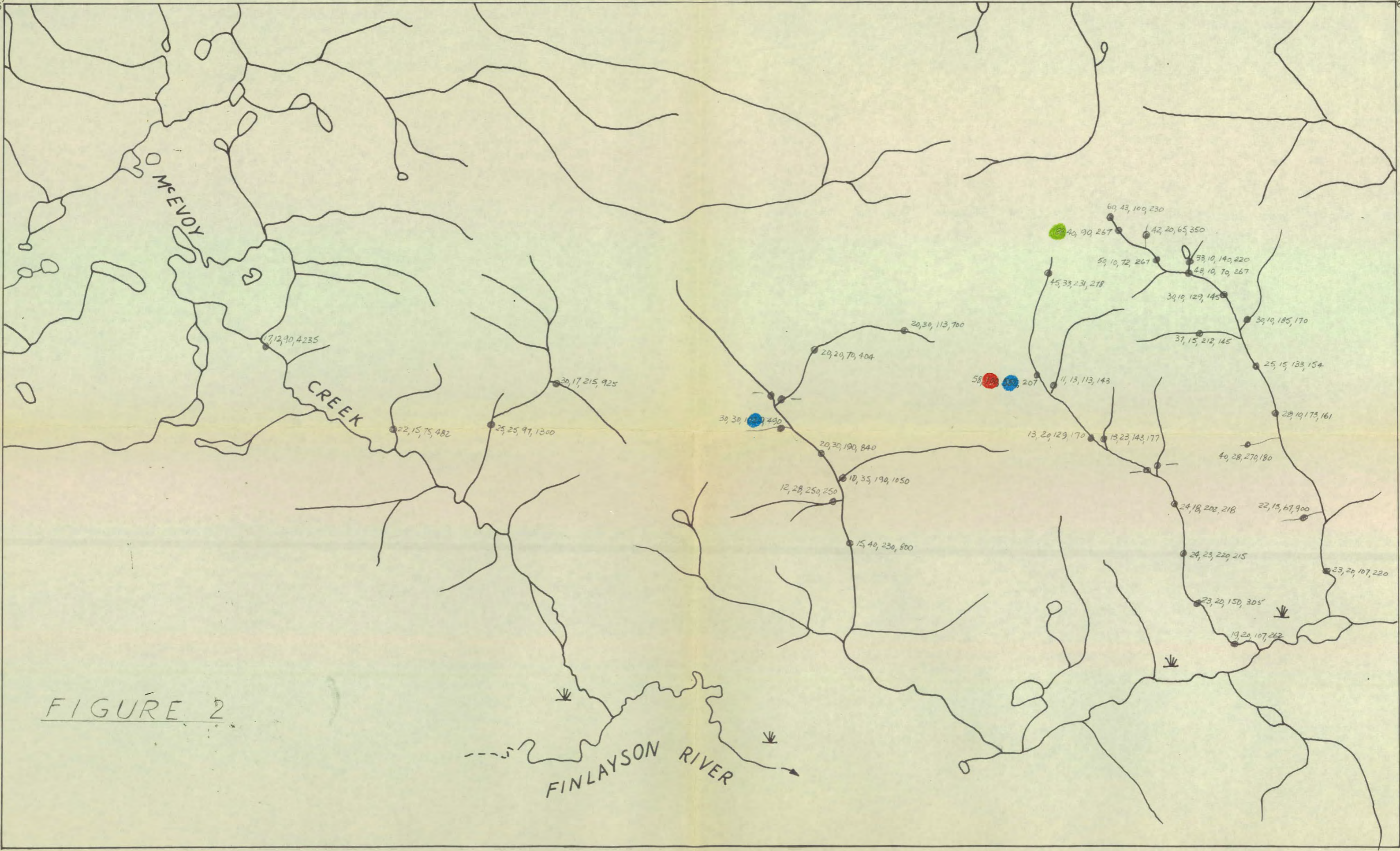


FIGURE 2

1/2 mile = 1 inch

M^c EVOY CREEK

105-G-9

GEOCHEMISTRY