

Swab
672770

Table of Formations

Formation or Unit	Lithology
5	Chert-quartz pebble conglomerate
4	Rhyolite lithic tuff and dacite
3	Alaskite
2	Diorite and granodiorite
1	Andesite

Geological Report Swab 1

Introduction

The A Grid is located in the north-east corner of the Swab 1 claim which consists of 20 units. Detailed mapping, soil sampling, and magnetometer survey were conducted as an attempt to determine the source of the anomalous molybdenum values discovered by soil sampling in July, 1978.

Description of Map Units.

Andesite

The andesite is very fine-grained and dark green. One small boulder was mapped on the A. Grid.

Diorite

The diorite-granodiorite unit is the most abundant rock type in the area. It consists of a fine- to medium-grained greenish-grey to grey colored rock with approximately 35% hornblende. It is holocrystalline and equigranular. There is a slight lamination defined by the hornblende. At hand specimen level, the granodiorite is distinguished from the diorite by the greater plagioclase content imparting the pinkish color. Both the diorite and the granodiorite contain disseminated pyrite and abundant magnetite and specularite.

Alaskite

The alaskite is a medium-grained pale pink to whitish colored rock that has a fairly distinctive bubbly weathered appearance. It has minor amounts of biotite and is often slightly wuggy with inclusions of magnetite and specularite.

Rhyolite Lithic Tuff and Dacite

The rhyolite lithic tuff unit is composed of a fine-grained maroon-colored matrix with fragments of feldspar approaching 7mm in length. The fragments are angular and slightly elongated.

The dacite is a fine-grained, green, angular

rock that often contains disseminated pyrite. It weathers pale green.

Conglomerate

The conglomerate boulders on the grid are large and angular to sub-rounded. The unit is foliated and weathers mottled. The fine-grained matrix is a dark maroon color. Composed chiefly of quartz, chert, and feldspar, the clasts are of various sizes.

Mineralization

There is abundant pyrite mineralization in the area. It is generally found as both disseminated and as fracture-filling in the diorite and granodiorite.

Magnetite and specularite are found throughout the diorite, granodiorite, and alkaliite.

Epidote staining and fracture filling appears to be closely associated with the pyritization in the eastern portion of the grid and in the area to the east of the grid.