

GEOLOGY

ORDOVICIAN

Roland Conglomerate - Moina Sandstone

These sediments form the northern and southern limits to the prospective Cambrian rocks, occurring as limbs of E-W trending anticline. At Gog Range (see Photo 4), shorter wavelength SE trending and plunging folds are superimposed on this structure (see Plate 1).

The basal conglomerates are of Cambrian-Ordovician age and are composed of coarse Precambrian derived detritus. Locally on Gog Range "the lowest beds are made up of keratophyre boulders." (Jennings, 1979). The conglomerates unconformably overly the volcanics, in the work area this contact is obscured by conglomerate talus.

The conglomerates are frequently thickly interbedded with coarse sandstones (see Photo 3). Locally bands of a dark detrital mineral tentatively identified as chromite occur in the basal sequence (see A6122).

Extensive talus from the conglomerate and sandstone on the flanks of the Gog Range is the most significant feature attributable to this unit, obscuring Cambrian bedrock (see Photo 6).