

This bedrock map is accompanied by two other maps of the same area: 1. A geological map of the Aulneau Peninsula, Lake of the Woods, Ontario, by D.V. ZIEHLKE, and by G.F. ADAMS (COPIED FROM MAP, MINERAL PENINSULA, LAKE OF THE WOODS, ONTARIO, by D.V. ZIEHLKE).

The Aulneau batholith is oval in shape and is 45 by 25 km. It is surrounded by supracrustal rocks of greenstone type, which wrap around it in the style typical of Archean greenstone belts, and is one of the oval-shaped intrusions of the Keweenaw-Island greenstone belt (Wilson, 1971).

The fact that some phases occur within the oval-shaped Aulneau batholith are continuous to the south across the projected volcanic envelope closure suggests that the Aulneau may be part of a larger batholithic envelope closure extending southward.

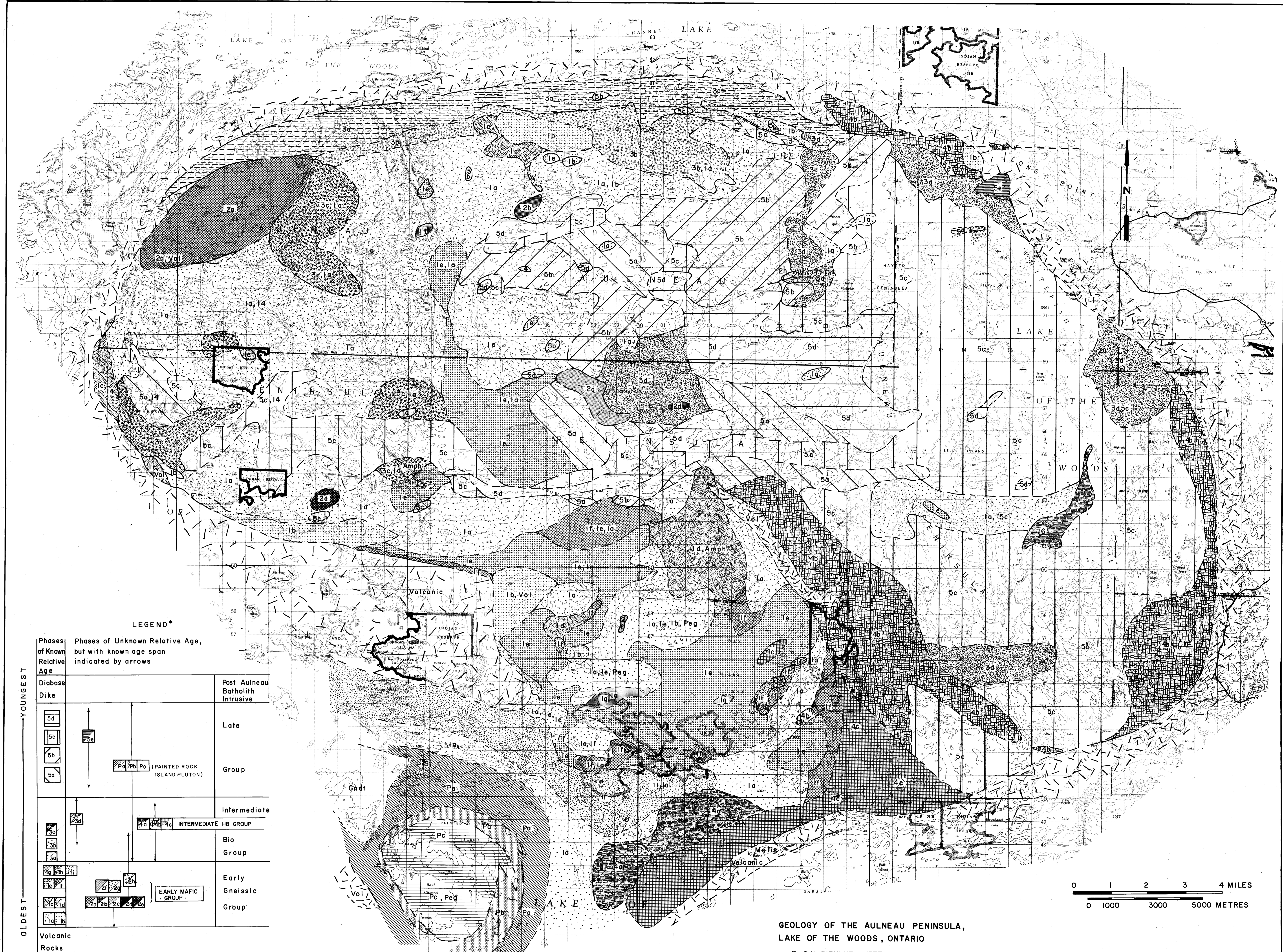
Figure 1. B.F. 650.

Wilson, H.D.R., 1971: The Superior Province in the Precambrian of Manitoba. In Science Series 16 Manitoba. Geological Association of Canada Special Paper 9, Toronto, A.C. (ed.).

TABLE 1. Petrographic Phases of the Aulneau Batholith

Table with 5 columns: Phase, Composition, Color, Grain Size, Texture, Comments. It lists various rock types such as gabbro, diorite, and granite with their respective characteristics and locations.

Painted Rock Island Pluton: This pluton is a medium to coarse grained, grey to tanish grey trondhjemite. It is composed of quartz, plagioclase, and biotite. The main phase from this complex is trondhjemite phase 1f of the Aulneau batholith. This may have been the country rock into which Pt intruded.



LEGEND* Phases of Unknown Relative Age, but with known age span indicated by arrows. A vertical axis on the left indicates 'YOUNGEST' at the top and 'OLDEST' at the bottom. The legend includes categories: Diabase Dike, Post Aulneau Batholith Intrusive, Late Group, Intermediate HB Group, Bio Group, Early Gneissic Group, and Volcanic Rocks. Each category contains a list of phases with their corresponding symbols and ages.

* Phases occurring together on the same horizontal level are believed to be approximately the same relative age.