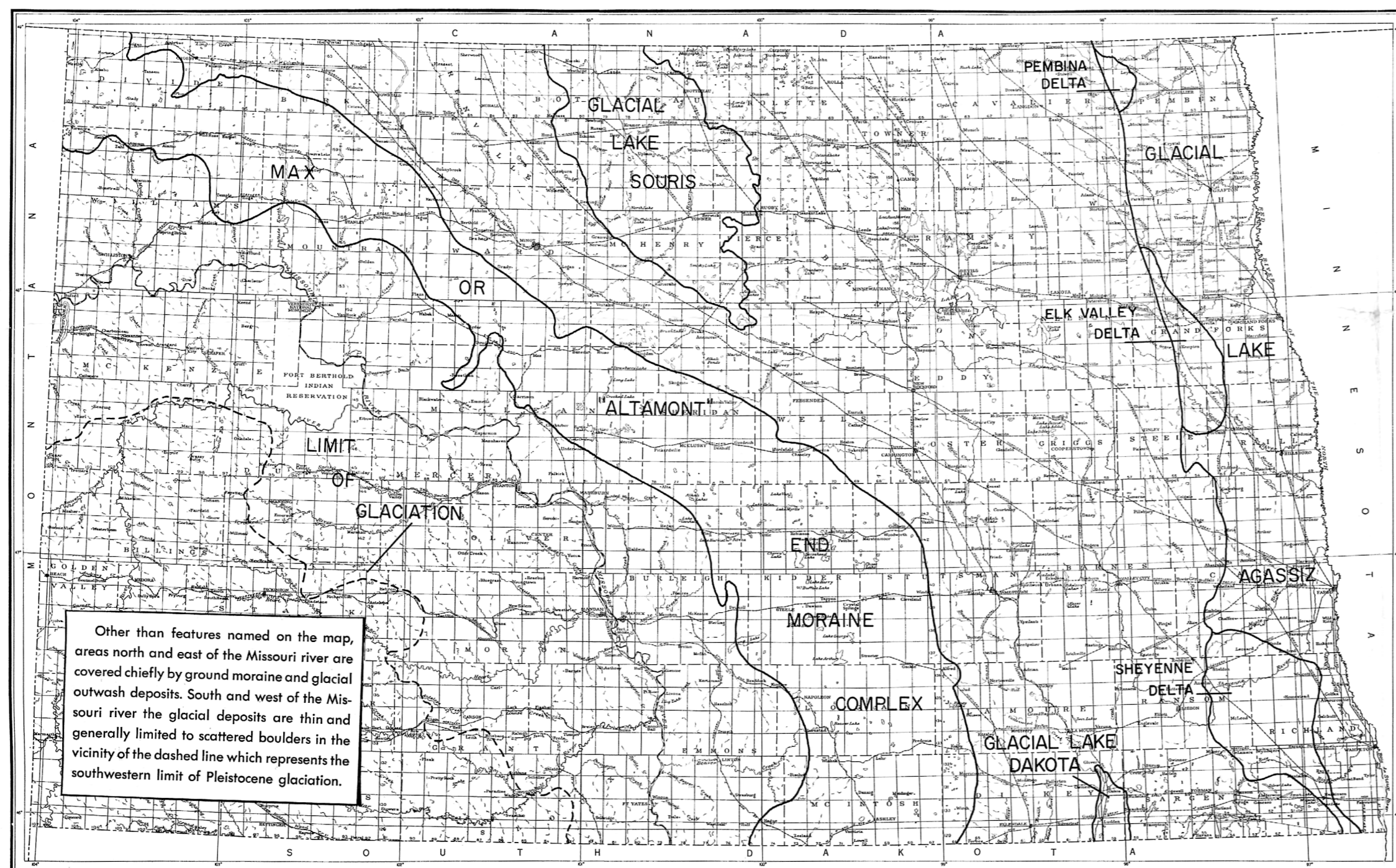
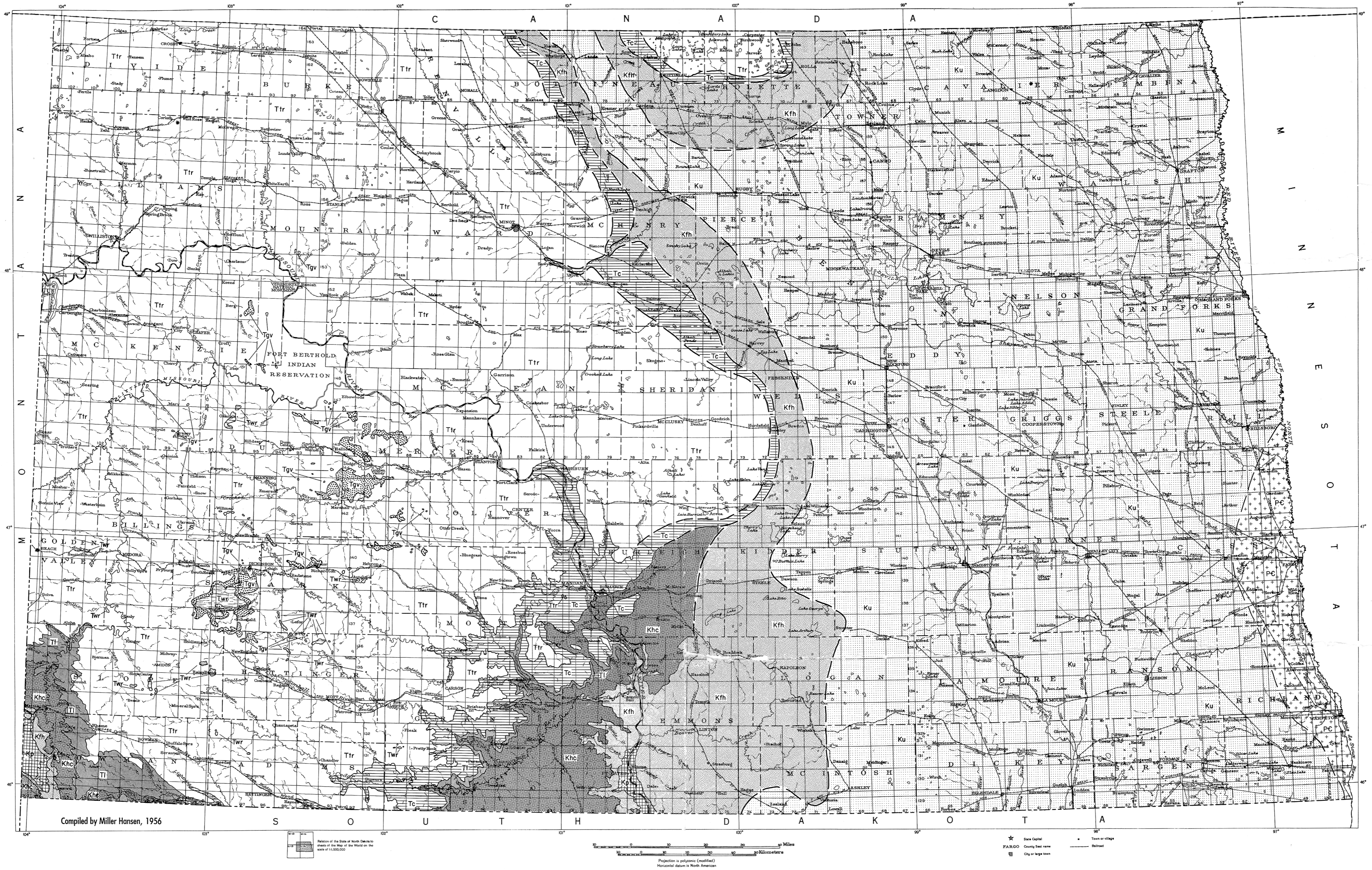


GEOLOGIC MAP OF NORTH DAKOTA



MAJOR GLACIAL FEATURES OF NORTH DAKOTA

Sources of Data

All Cretaceous and Tertiary contacts in the northwestern part of the state are taken by permission of the Director, U. S. Geological Survey from an unpublished bedrock map of northwestern North Dakota by Richard W. Lemke, Geologist, U. S. Geological Survey. The area mapped by Mr. Lemke lies north of 47°30'00" north latitude and is bounded approximately on the east side by the 100°00'00" west longitude line.

The south-central and southwestern portions of the map have been prepared from the same sources listed on the North Dakota Geological Survey "Preliminary Geologic Map of North Dakota", published in 1952. Additional information has been obtained from well logs and North Dakota Ground Water Studies.

As new information becomes available, all inferred contacts will be extensively refined.

LEGEND

	Twr	White River	Oligocene
	Tgv	Golden Valley	Eocene
	Ttr	Tongue River	Paleocene
	Tc	Cannonball	
	Tl	Ludlow	Cretaceous
	Khc	Hell Creek	
	Kfh	Fox Hills	
	Kp	Pierre	
	Ku	Chiefly Pierre, includes Colorado and Dakota groups.	Pre-Cambrian
	Pc	Igneous and metamorphic rocks	
		Known contacts	
		Inferred contacts	

