**INTRODUCTION**

The Utukok River quadrangle (1:250,000) is located on the western Arctic North Slope of Alaska. The quadrangle is bounded by 69°20’-69°50’ N latitude and 165°00’-165°30’ W longitude on the west side. This map is the first of the Alaska State Geologic Map Series; it is the direct result of the Alaska Division of Geological and Geophysical Surveys' (ADGGS) 1:250,000-scale mapping program, the purpose of which is to fully map the igneous, shallow, and sedimentary rocks of Alaska. The Utukok River area is about 30 miles south of the Arctic Circle. The elevation varies from about 600 feet near the Utukok River in the west to over 1000 feet in the east. The highest point in the quadrangle is the Conoco Phillips 2-1/2 peak in sec. 13, T. 1 S., R. 40 W. which is 1112 feet above sea level. The map area is a rugged, hummocky upland that is dissected by numerous ice-cored streams. The topography is largely controlled by late Cretaceous and Tertiary tectonism and polypliocene and Pleistocene glacial erosion. The rocks of the quadrangle are dominantly of Cretaceous age but also include a few thin Tertiary units. Marine and nonmarine rocks are dominant in the quadrangle. The marine rocks are well exposed in the southeast, where they are underlain by the North Slope Basin sequence. Nonmarine rocks are very well exposed in the central and southern part of the quadrangle. The nonmarine rocks are predominantly sandstone, siltstone, and shale. The map was prepared in cooperation with the U.S. Geological Survey (USGS), Northwest Territories, Canada. The map was prepared using 1:250,000 quadrangle maps, especially the Utukok River quadrangle of the U.S. Geological Survey (USGS), and 2001 aerial photographic revisions by C.G. Mull, 2002. The map was prepared by C.G. Mull, D.W. Houseknecht, G.H. Pessel, and C.P. Garrity. The map was compiled using the Geographic Information System (GIS) software package. The map was reviewed by W. W. Wallace and C. J. Schenk, and the project was reviewed by C. J. Potter of the USGS. The map is a preliminary map and is intended to provide a framework for future detailed mapping. The map is subject to change and should be used with caution. The map is available for download at the U.S. Geological Survey's website, www.usgs.gov. The map is available in electronic format and is intended for use in education and research. The map is available for purchase from the U.S. Geological Survey, 1200 South Vermont Avenue, Denver, Colorado 80225. The map is available for use in the public domain. The map is available for use in all countries.