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**BIBLIOGRAPHY ON THE GEOLOGY OF THE HOLITNA
LOWLAND AND SURROUNDING AREA**

by

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BIBLIOGRAPHY ON THE GEOLOGY OF THE HOLITNA LOWLAND AND SURROUNDING AREA

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Introduction

The purpose of this bibliography is to provide a complete list of literature pertinent to the stratigraphy, regional geology, paleontology, and other geological aspects of the Holitna Lowland and adjoining region (Fig. 1). The study area, equivalent to what informally has been referred to as the "Holitna Basin" by petroleum geologists, includes the southeastern part of the Sleetmute Quadrangle, the northeastern part of the Taylor Mountains Quadrangle, and the northwestern portion of the Lime Hills Quadrangle. This list is a product of an on-going basin analysis of the region by the Alaska Division of Geological & Geophysical Surveys (DGGS). Field work in assessing the petroleum potential of the Holitna Lowland was conducted by DGGS during the summers of 1983 and 1984, and was resumed in 1998. This region remains one of the most poorly known areas within Alaska in terms of its geology, and it is our hope that this bibliography will provide a starting point for those trying to better understand its character.

In this bibliography we provide references to all geological literature known to us from the region. In addition, we also provide citations to all pertinent stratigraphic, paleontologic, tectonic, and economic geologic literature from correlative rocks to the northeast in the Minchumina Lowlands, the northern Kuskokwim Mountains, and the northwest flank of the Alaska Range. These rocks are equivalent and conterminous with those present in the Holitna Lowland, but most have been offset by significant right-lateral motion along the Farewell segment of the Denali fault. Those rocks on the opposing side of the Farewell fault comprise what petroleum geologists have previously considered to the "Minchumina Basin", and include the physiographic provinces of the southern part of the Tanana-Kuskokwim Lowland and northern Kuskokwim Mountains. In terms of tectonostratigraphic nomenclature, these rocks include strata assigned to the Farewell terrane of Decker and others (1994), which includes the previously defined Nixon Fork, Dillinger, and Mystic subterrane. Both regions have been the subject of considerable field study and assessment by petroleum geologists during the early 1980's, but since so little remains published on these areas, we deemed it critical to provide a concise list of pertinent publications in order to provide a framework for future analysis of the region. The utility of such a list is especially evident in the paleontological literature, much of which has appeared in non-North American publications which are not readily available to American researchers. Comments have been added to end of several references where their significance may be unclear from the citation title.

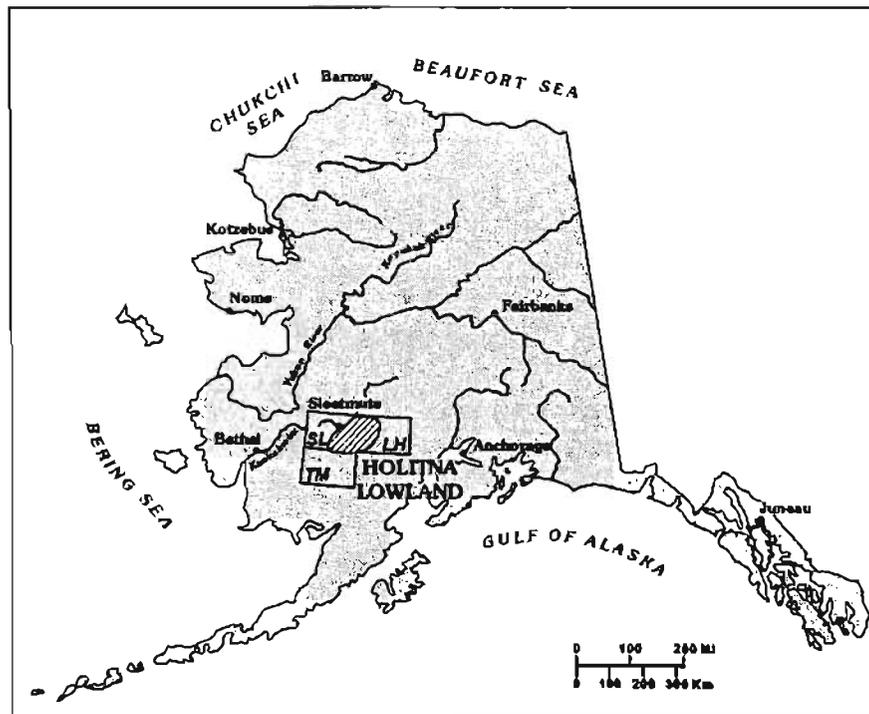


Figure 1. Map showing location of the Holitna Lowland (cross-hatched) in southwestern Alaska adjacent to the community of Sleetmute. Outlines of Sleetmute (SL), Lime Hills (LH), and Taylor Mountains (TM) quadrangles shown with dotted lines.

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