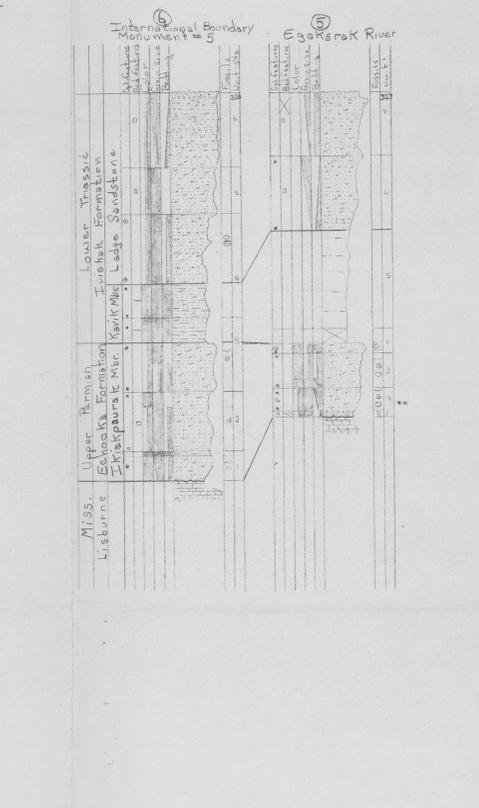
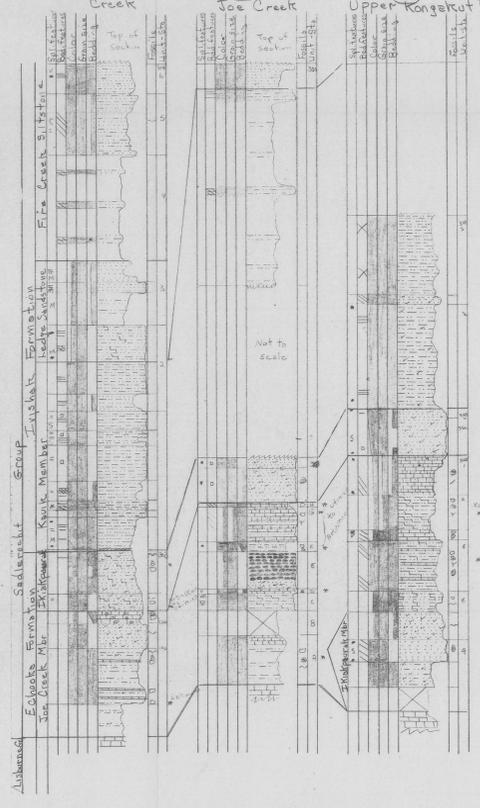
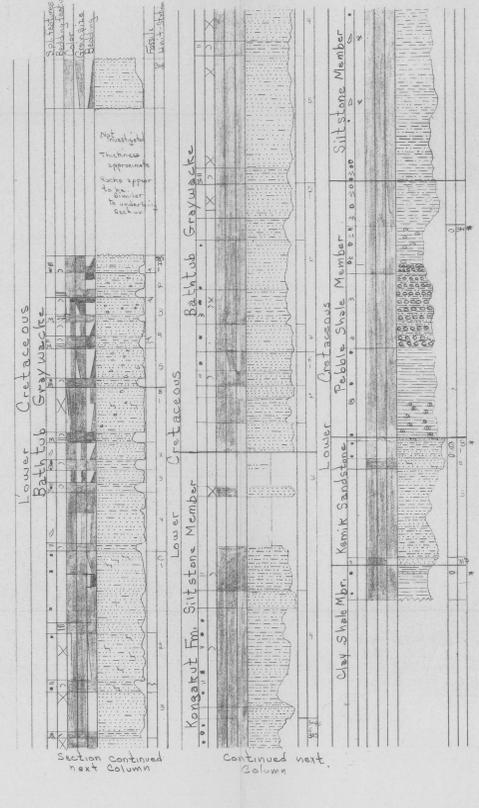
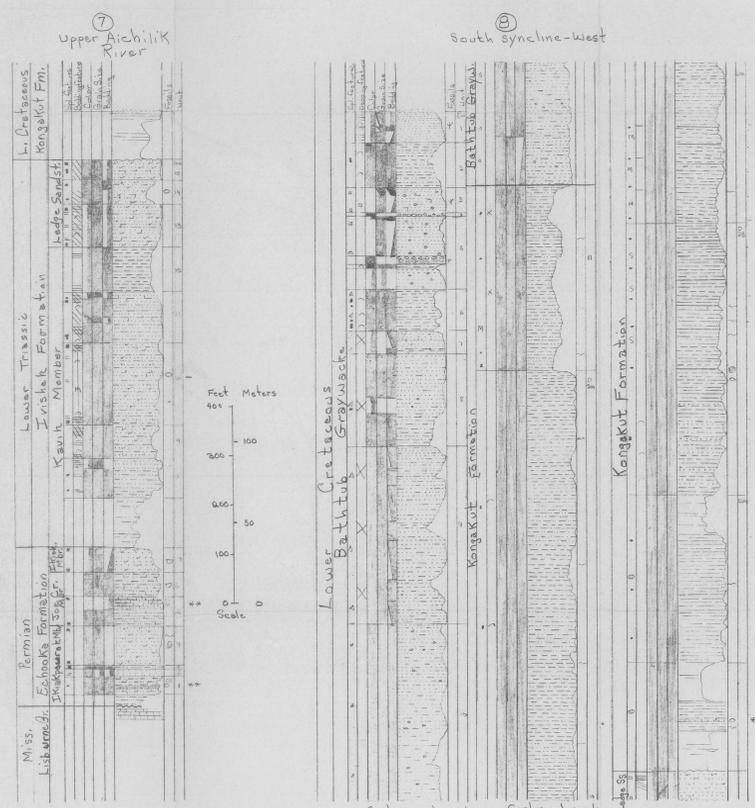
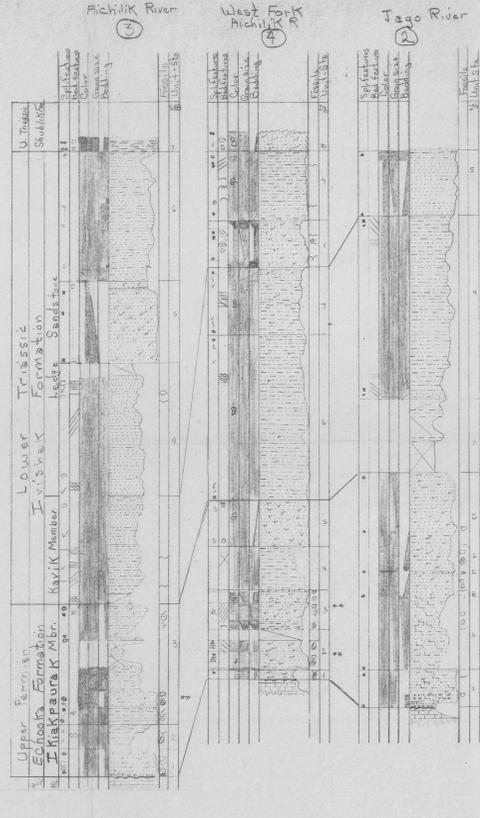
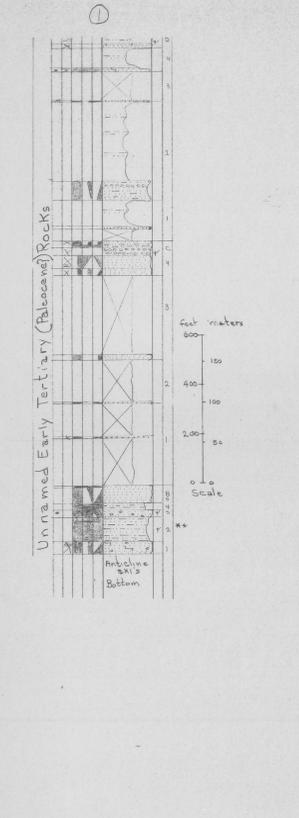
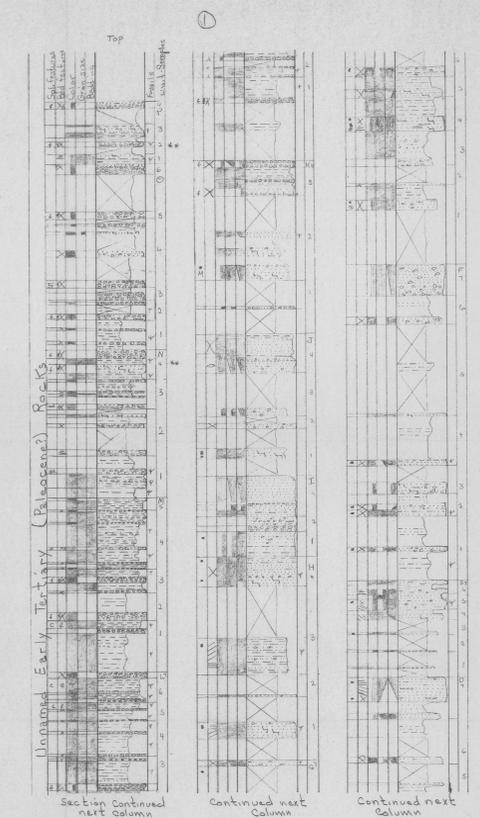


Location map showing year and station number for measured sections

EXPLANATION

Grain Size	Bedding features	Special Features
Very fine to fine Medium Coarse Coarser	Cross-bedded Current cross-bedded Laminated Unconformity Undulating Wavy Ball and pillow Lead casts Shaly fracture Pencil fracture Blocky fracture Channel Nodular Imbrication Slump structure	Manganese nodules Pyrite crystals Manganese nodules Pencil-like nodules Limestone concretions Claystone nodules Mud lumps Micaceous Siliceous Ferruginous Glauconitic Shale fragments Chert Carbonaceous Manganese stain Sulfide efflorescence
Color	Lithology	Fossils
Dark Medium Light	Sandstone Siltstone Claystone Conglomerate Siltstone Mudstone Quartzite Diatomite Tuff Limestone Dolomite Claystone	Trilobites Brachiopods Ammonites Zooecia Plants Fossils

TERTIARY	Nuwuk Member Franklin Bluffs Member Sagwon Member	Unnamed unit	Kingak Shale
CRETACEOUS	Prince Creek Formation Kavik Member Kavik Sandstone Kavik Siltstone Kavik Shale Kavik Clay shale Mbr.	Schlegel Formation Kavik Formation Kavik Siltstone Kavik Sandstone Kavik Member Kavik Shale Kavik Clay shale Mbr.	PERMIAN Lisburne Group Miss.-Perm.



Introduction

This report presents the results of field studies and laboratory work on the upper Paleozoic to early Tertiary rocks of the Demarcation Point, Alaska. The study area is located in the central part of the Alaska Range, about 100 miles north of the Yukon River. The rocks are part of the Lisburne Group, which is a major geological province in the Alaska Range. The study was conducted as part of the Alaska Range Geologic Survey, which is a major project of the U.S. Geological Survey. The study area is shown on the location map in this report. The rocks are divided into several formations and members, which are listed in the stratigraphic column in this report. The study was conducted by Robert L. Dettner and others, and the results are presented in this report. The study was supported by the U.S. Geological Survey, and the results are being made available to the public through this report. The study is a contribution to the understanding of the geology of the Alaska Range, and the results are being used to develop a geological map of the area. The study is also being used to evaluate the potential for oil and gas resources in the area. The study is a major project of the U.S. Geological Survey, and the results are being made available to the public through this report. The study is a contribution to the understanding of the geology of the Alaska Range, and the results are being used to develop a geological map of the area. The study is also being used to evaluate the potential for oil and gas resources in the area.

List of Fossils

Section 1:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

Section 2:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

Section 3:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

Section 4:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

Section 5:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

Section 6:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

Section 7:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

Section 8:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

Section 9:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

Section 10:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

Section 11:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

Section 12:
Unit 1. *Trilobites* sp. (abundant)
Unit 2. *Trilobites* sp. (abundant)
Unit 3. *Trilobites* sp. (abundant)
Unit 4. *Trilobites* sp. (abundant)
Unit 5. *Trilobites* sp. (abundant)

MEASURED SECTIONS OF UPPER PALEOZOIC TO EARLY TERTIARY ROCKS, DEMARCATION POINT, QUADRANGLE, ALASKA
By
Robert L. Dettner
1984