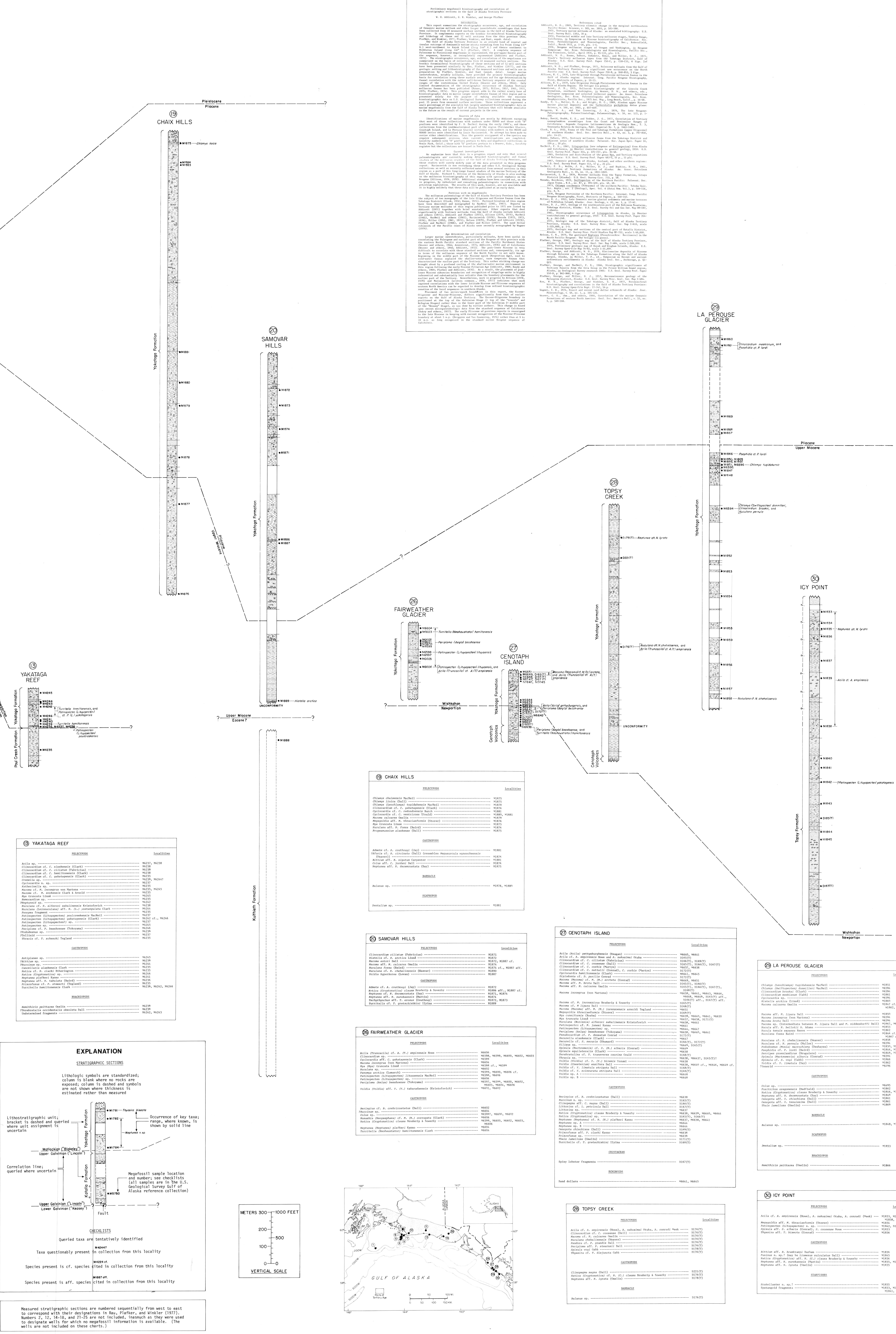


SERIES	PLEISTOCENE		SUBSERIES	STAGE
	Pliocene			
MIOCENE	UPPER MIOCENE		MIOCENE	MIOCENE
	MIDDLE MIOCENE			
OLIGOCENE	LOWER MIOCENE		OLIGOCENE	OLIGOCENE
	UPPER MIOCENE			
Eocene	UPPER Eocene		Eocene	Eocene
	MIDDLE Eocene			



EXPLANATION

STRATIGRAPHIC SECTIONS

Lithologic symbols are standardized; column is blank where no rocks are exposed; column is dashed and symbols are not shown where thickness is estimated rather than measured.

Lithostratigraphic unit: bracket is dashed and queried where unit assignment is uncertain.

Correlation line: queried where uncertain.

Meqafossil sample location and number: see checklists (all samples are in the U.S. Geological Survey Gulf of Alaska reference collection).

CHECKLISTS

- Queried taxa are tentatively identified
- Taxa questionably present in collection from this locality
- Species present in cf. species cited in collection from this locality
- Species present in aff. species cited in collection from this locality

Measured stratigraphic sections are numbered sequentially from west to east to correspond with their designations in Rau, Plafker, and Winkler (1977). Numbers 1, 2, 18-19, and 21-25 are not included, inasmuch as they were used to designate wells for which no megafossil information is available. (The wells are not included on these charts.)

Introduction

This report presents preliminary biostratigraphic and correlation data for the Tertiary rocks of the Gulf of Alaska Tertiary Province. The data are based on megafossil collections from 17 localities in the Gulf of Alaska Tertiary Province. The data are presented in the form of stratigraphic sections and correlation charts. The sections are numbered sequentially from west to east to correspond with their designations in Rau, Plafker, and Winkler (1977). Numbers 1, 2, 18-19, and 21-25 are not included, inasmuch as they were used to designate wells for which no megafossil information is available. (The wells are not included on these charts.)

Geographic Setting

The Gulf of Alaska Tertiary Province is a broad, shallow, north-south-trending trough that extends from the Gulf of Alaska northward to the Yukon River delta. The province is bounded to the west by the Alaska Peninsula and to the east by the Yukon River delta. The province is divided into several sub-provinces: the Chukchi Sea, the Bering Sea, and the Gulf of Alaska. The Chukchi Sea sub-province is the northernmost and is characterized by thick sequences of Tertiary rocks. The Bering Sea sub-province is the middle sub-province and is characterized by thinner sequences of Tertiary rocks. The Gulf of Alaska sub-province is the southernmost and is characterized by the thinnest sequences of Tertiary rocks.

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PRELIMINARY MEGAFOSSIL BIOSTRATIGRAPHY AND CORRELATION OF STRATIGRAPHIC SECTIONS IN THE GULF OF ALASKA TERTIARY PROVINCE

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This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.