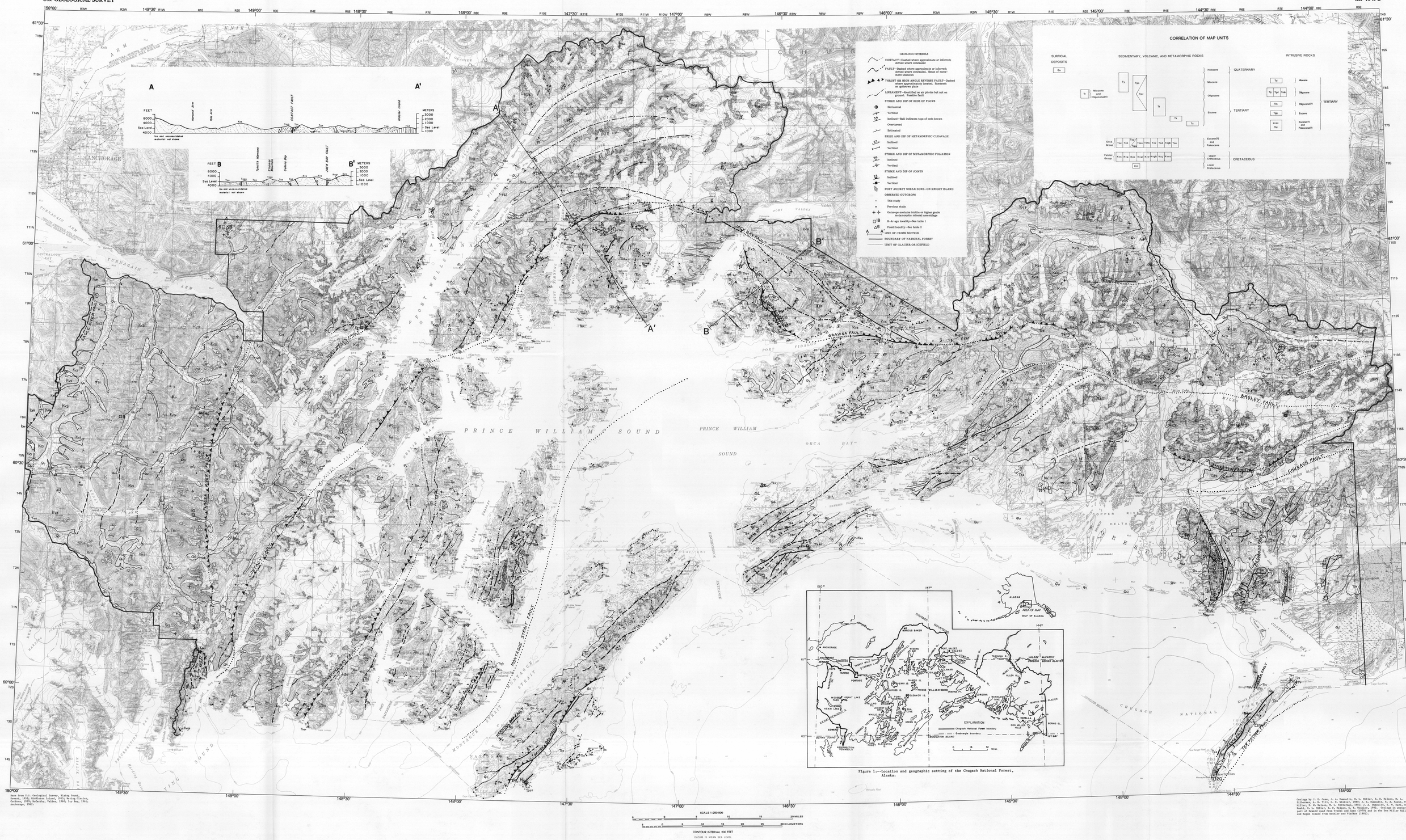
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

MISCELLANEOUS FIELD STUDIES
MF-1645-B


A
A'
FEET
8000
4000
Sea Level
4000
Ice and unconsolidated material not shown
Inlet
Bay
Arm
Kvs
CONTACT FAULT
Glacier Island
METERS
3000
2000
1000
Sea Level
1000
B
B'
Tertiary Narrows
Eklutna Lake
Eklutna Bay
JACK BAY FAULT
Kvs
Ice and unconsolidated material not shown
GEOLOGIC SYMBOLS
CONTACT—Dashed where approximate or inferred; dotted where concealed. Queried where uncertain as to nature
FAULT—Dashed where approximate or inferred; dotted where concealed. Queried where uncertain as to nature
THRUST OR HIGH ANGLE REVERSE FAULT—Dashed where approximately located. Sawteeth on upthrown plate
LINEAMENT—Identified on air photos but not on ground. Pseudo fault
STRIKE AND DIP OF BEDS OF FLOWS
Horizontal
Vertical
Inclined—Ball indicates tops of beds known
Overturned
Estimated
STRIKE AND DIP OF METAMORPHIC CLEAVAGE
Inclined
Vertical
STRIKE AND DIP OF METAMORPHIC FOLIATION
Inclined
Vertical
STRIKE AND DIP OF JOINTS
Inclined
Vertical
POST AUDREY SHEAR ZONE—OR KNIGHT ISLAND
OBSERVED OUTCROPS
This study
Previous study
Outcrop contains biotite or higher grade metamorphic mineral assemblage
K-Ar age locality—See table 1
Fossil locality—See table 2
LINE OF CROSS SECTION
BOUNDARY OF NATIONAL FOREST
LIMIT OF GLACIER OR ICEFIELD
CORRELATION OF MAP UNITS
SURFICIAL DEPOSITS
Qu
SEDIMENTARY, VOLCANIC, AND METAMORPHIC ROCKS
INTRUSIVE ROCKS
Miocene and Oligocene(?)
Holocene
Miocene
Oligocene
Eocene
Eocene(?) and Paleocene
Upper Cretaceous
Lower Cretaceous
QUATERNARY
TERTIARY
CRETACEOUS
Orca Group
Valdez Group
Kvs
Kvg
Kvp
Kvgr
Kvd
Kvgb
Kvu
Kvvs
Km
Tvc
Tss
Tp
Tpss
Tpls
Tsv
Tod
Togb
Tou
Td
Tg
Tgd
Tmb
Tm
Tgg
Tvvs
Tkt
Eocene(?) and Paleocene(?)
Miocene
Oligocene
Oligocene(?)
Eocene
Eocene(?) and Paleocene(?)
Ty
Tpv
Tpv
Tl
Tk
Tx
BAGLEY FAULT
CHUGACH FAULT
CHUGACH-PEMBERTON FAULT
EYAK FAULT
EYAK-KING SALMON FAULT
CHUGACH-KING SALMON FAULT
CHUGACH-BOUNDARY FAULT
CHUGACH-MARTIN RIVER FAULT
CHUGACH-CONTROLLER BAY FAULT
CHUGACH-ORCA BAY FAULT
CHUGACH-ORCA BAY FAULT
CHUGACH-PEMBERTON FAULT
CHUGACH-EYAK FAULT
CHUGACH-KING SALMON FAULT
CHUGACH-BOUNDARY FAULT
CHUGACH-MARTIN RIVER FAULT
CHUGACH-CONTROLLER