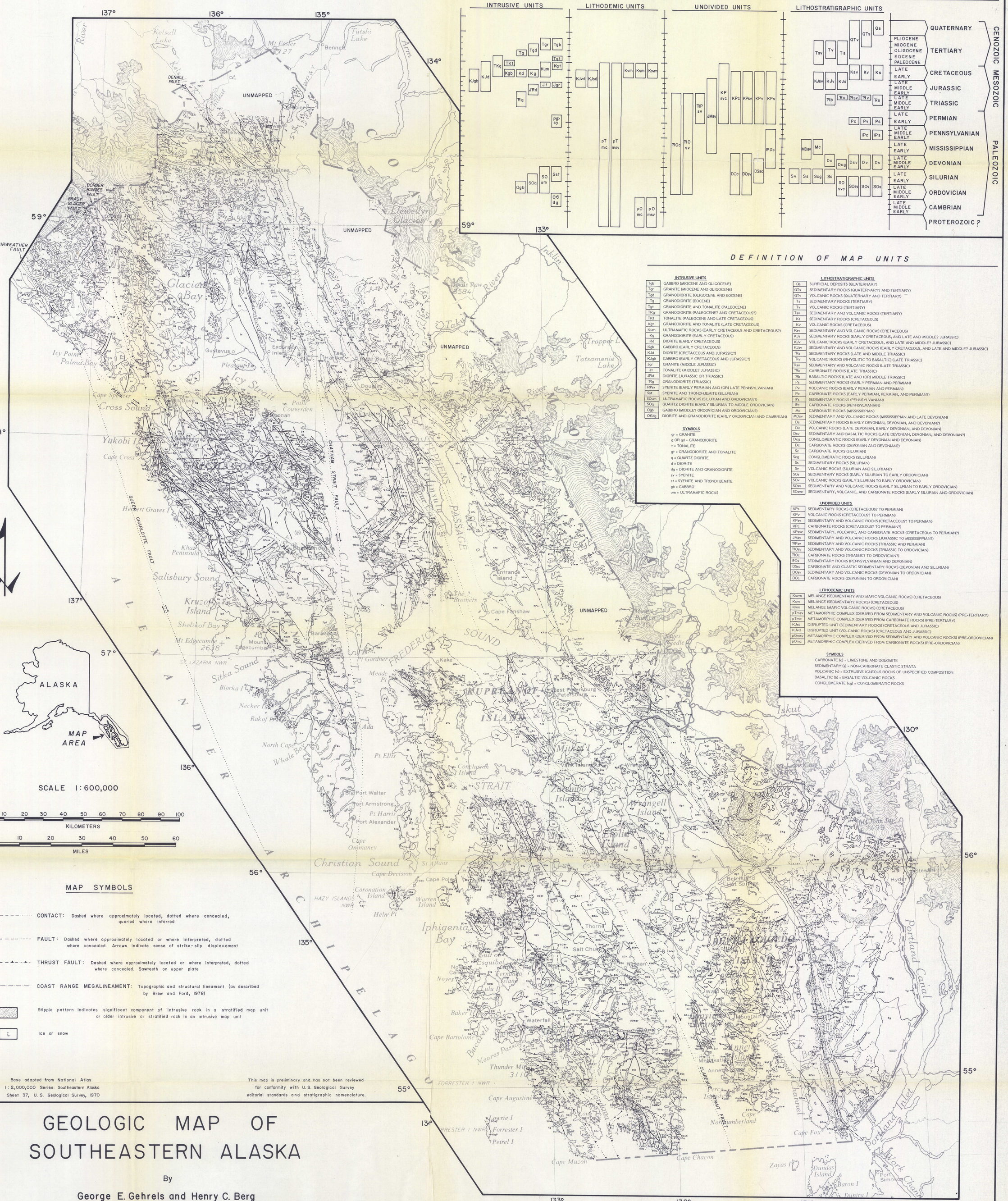
CORRELATION OF MAP UNITS
INTRUSIVE UNITS
LITHODEMIC UNITS
UNDIVIDED UNITS
LITHOSTRATIGRAPHIC UNITS
QUATERNARY
PLIOCENE
MIOCENE
OLIGOCENE
EOCENE
PALEOCENE
TERTIARY
LATE
EARLY
CRETACEOUS
LATE
MIDDLE
EARLY
JURASSIC
LATE
MIDDLE
EARLY
TRIASSIC
LATE
EARLY
PERMIAN
LATE
MIDDLE
EARLY
PENNSYLVANIAN
LATE
EARLY
MISSISSIPPIAN
LATE
MIDDLE
EARLY
DEVONIAN
LATE
EARLY
SILURIAN
LATE
MIDDLE
EARLY
ORDOVICIAN
LATE
MIDDLE
EARLY
CAMBRIAN
PROTEROZOIC ?
CENOZOIC
MESOZOIC
PALEOZOIC
DEFINITION OF MAP UNITS
INTRUSIVE UNITS
Tgb GABBRO (MIOCENE AND OLIGOCENE)
Tgr GRANITE (MIOCENE AND OLIGOCENE)
Tgd GRANODIORITE (OLIGOCENE AND EOCENE)
Tg GRANODIORITE (EOCENE)
Tgt GRANODIORITE AND TONALITE (PALEOCENE)
TKg GRANODIORITE (PALEOCENE? AND CRETACEOUS?)
TKt TONALITE (PALEOCENE AND LATE CRETACEOUS)
Kgt GRANODIORITE AND TONALITE (LATE CRETACEOUS)
Kum ULTRAMAFIC ROCKS (EARLY CRETACEOUS AND CRETACEOUS?)
Kg GRANODIORITE (EARLY CRETACEOUS)
Kd DIORITE (EARLY CRETACEOUS)
Kgb GABBRO (EARLY CRETACEOUS)
KJd DIORITE (CRETACEOUS AND JURASSIC?)
KJgb GABBRO (EARLY CRETACEOUS AND JURASSIC?)
Jgr GRANITE (MIDDLE JURASSIC)
Jt TONALITE (MIDDLE? JURASSIC)
JRd DIORITE (JURASSIC OR TRIASSIC)
TRg GRANODIORITE (TRIASSIC)
PIPsy SYENITE (EARLY PERMIAN AND (OR) LATE PENNSYLVANIAN)
Sst SYENITE AND TRONDHJEMITE (SILURIAN)
SOum ULTRAMAFIC ROCKS (SILURIAN AND ORDOVICIAN?)
SOq QUARTZ DIORITE (EARLY SILURIAN TO MIDDLE ORDOVICIAN)
Ogb GABBRO (MIDDLE? ORDOVICIAN AND ORDOVICIAN?)
OCdg DIORITE AND GRANODIORITE (EARLY ORDOVICIAN AND CAMBRIAN)
SYMBOLS
gr = GRANITE
g OR gd = GRANODIORITE
t = TONALITE
gt = GRANODIORITE AND TONALITE
q = QUARTZ DIORITE
d = DIORITE
dg = DIORITE AND GRANODIORITE
sy = SYENITE
st = SYENITE AND TRONDHJEMITE
gb = GABBRO
um = ULTRAMAFIC ROCKS
LITHOSTRATIGRAPHIC UNITS
Qs SURFICIAL DEPOSITS (QUATERNARY)
QTs SEDIMENTARY ROCKS (QUATERNARY? AND TERTIARY)
QTv VOLCANIC ROCKS (QUATERNARY AND TERTIARY)
Ts SEDIMENTARY ROCKS (TERTIARY)
Tv VOLCANIC ROCKS (TERTIARY)
Tsv SEDIMENTARY AND VOLCANIC ROCKS (TERTIARY)
Ks SEDIMENTARY ROCKS (CRETACEOUS)
Kv VOLCANIC ROCKS (CRETACEOUS)
Ksv SEDIMENTARY AND VOLCANIC ROCKS (CRETACEOUS)
KJs SEDIMENTARY ROCKS (EARLY CRETACEOUS, AND LATE AND MIDDLE? JURASSIC)
KJv VOLCANIC ROCKS (EARLY CRETACEOUS, AND LATE AND MIDDLE? JURASSIC)
KJsv SEDIMENTARY AND VOLCANIC ROCKS (EARLY CRETACEOUS, AND LATE AND MIDDLE? JURASSIC)
TRs SEDIMENTARY ROCKS (LATE AND MIDDLE TRIASSIC)
TRv VOLCANIC ROCKS (RHYOLITIC TO BASALTIC) (LATE TRIASSIC)
TRsv SEDIMENTARY AND VOLCANIC ROCKS (LATE TRIASSIC)
TRc CARBONATE ROCKS (LATE TRIASSIC)
TRb BASALTIC ROCKS (LATE AND (OR) MIDDLE TRIASSIC)
Ps SEDIMENTARY ROCKS (EARLY PERMIAN AND PERMIAN)
Pv VOLCANIC ROCKS (EARLY PERMIAN AND PERMIAN)
Pc CARBONATE ROCKS (EARLY PERMIAN, PERMIAN, AND PERMIAN?)
IPs SEDIMENTARY ROCKS (PENNSYLVANIAN)
IPc CARBONATE ROCKS (PENNSYLVANIAN)
Mc CARBONATE ROCKS (MISSISSIPPIAN)
MDsv SEDIMENTARY AND VOLCANIC ROCKS (MISSISSIPPIAN AND LATE DEVONIAN)
Ds SEDIMENTARY ROCKS (EARLY DEVONIAN, DEVONIAN, AND DEVONIAN?)
Dv VOLCANIC ROCKS (LATE DEVONIAN, EARLY DEVONIAN, AND DEVONIAN)
Dsv SEDIMENTARY AND BASALTIC ROCKS (LATE DEVONIAN, DEVONIAN, AND DEVONIAN?)
Dcg CONGLOMERATIC ROCKS (EARLY DEVONIAN AND DEVONIAN)
Dc CARBONATE ROCKS (DEVONIAN AND DEVONIAN?)
Sc CARBONATE ROCKS (SILURIAN)
Scg CONGLOMERATIC ROCKS (SILURIAN)
Ss SEDIMENTARY ROCKS (SILURIAN)
Sv VOLCANIC ROCKS (SILURIAN AND SILURIAN?)
SOs SEDIMENTARY ROCKS (EARLY SILURIAN TO EARLY ORDOVICIAN)
SOv VOLCANIC ROCKS (EARLY SILURIAN TO EARLY ORDOVICIAN)
SOsv SEDIMENTARY AND VOLCANIC ROCKS (EARLY SILURIAN TO EARLY ORDOVICIAN)
SOsvc SEDIMENTARY, VOLCANIC, AND CARBONATE ROCKS (EARLY SILURIAN AND ORDOVICIAN)
UNDIVIDED UNITS
KPs SEDIMENTARY ROCKS (CRETACEOUS? TO PERMIAN)
KPv VOLCANIC ROCKS (CRETACEOUS? TO PERMIAN)
KPsv SEDIMENTARY AND VOLCANIC ROCKS (CRETACEOUS? TO PERMIAN)
KPc CARBONATE ROCKS (CRETACEOUS? TO PERMIAN?)
KPsvc SEDIMENTARY, VOLCANIC, AND CARBONATE ROCKS (CRETACEOUS TO PERMIAN?)
JMsv SEDIMENTARY AND VOLCANIC ROCKS (JURASSIC TO MISSISSIPPIAN?)
TRPsv SEDIMENTARY AND VOLCANIC ROCKS (TRIASSIC AND PERMIAN)
TROsv SEDIMENTARY AND VOLCANIC ROCKS (TRIASSIC TO ORDOVICIAN)
TROc CARBONATE ROCKS (TRIASSIC? TO ORDOVICIAN?)
IPDs SEDIMENTARY ROCKS (PENNSYLVANIAN AND DEVONIAN)
DSsc CARBONATE AND CLASTIC SEDIMENTARY ROCKS (DEVONIAN AND SILURIAN)
DOsv SEDIMENTARY AND VOLCANIC ROCKS (DEVONIAN TO ORDOVICIAN)
DOc CARBONATE ROCKS (DEVONIAN TO ORDOVICIAN)
LITHODEMIC UNITS
Ksvm MELANGE (SEDIMENTARY AND MAFIC VOLCANIC ROCKS) (CRETACEOUS)
Ksm MELANGE (SEDIMENTARY ROCKS) (CRETACEOUS)
Kvm MELANGE (MAFIC VOLCANIC ROCKS) (CRETACEOUS)
pTmsv METAMORPHIC COMPLEX (DERIVED FROM SEDIMENTARY AND VOLCANIC ROCKS) (PRE-TERTIARY)
pTmc METAMORPHIC COMPLEX (DERIVED FROM CARBONATE ROCKS) (PRE-TERTIARY)
KJvd DISRUPTED UNIT (SEDIMENTARY ROCKS) (CRETACEOUS AND JURASSIC)
KJsd DISRUPTED UNIT (VOLCANIC ROCKS) (CRETACEOUS AND JURASSIC)
pOmsv METAMORPHIC COMPLEX (DERIVED FROM SEDIMENTARY AND VOLCANIC ROCKS) (PRE-ORDOVICIAN)
pOmc METAMORPHIC COMPLEX (DERIVED FROM CARBONATE ROCKS) (PRE-ORDOVICIAN)
SYMBOLS
CARBONATE (c) = LIMESTONE AND DOLOMITE
SEDIMENTARY (s) = NON-CARBONATE CLASTIC STRATA
VOLCANIC (v) = EXTRUSIVE IGNEOUS ROCKS OF UNSPECIFIED COMPOSITION
BASALTIC (b) = BASALTIC VOLCANIC ROCKS
CONGLOMERATE (cg) = CONGLOMERATIC ROCKS
ALASKA
MAP AREA
SCALE 1:600,000
KILOMETERS
MILES
MAP SYMBOLS
CONTACT: Dashed where approximately located, dotted where concealed, queried where inferred
FAULT: Dashed where approximately located or where interpreted, dotted where concealed. Arrows indicate sense of strike-slip displacement
THRUST FAULT: Dashed where approximately located or where interpreted, dotted where concealed. Sawteeth on upper plate
COAST RANGE MEGALINEAMENT: Topographic and structural lineament (as described by Brew and Ford, 1978)
Stipple pattern indicates significant component of intrusive rock in a stratified map unit or older intrusive or stratified rock in an intrusive map unit
i Ice or snow
Base adapted from National Atlas 1:2,000,000 Series: Southeastern Alaska Sheet 37, U.S. Geological Survey, 1970
This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.
UNMAPPED
Glacier Bay
Icy Strait
Cross Sound
Chatham Strait
Frederick Sound
Sumner Strait
Clarence Strait
Portland Canal
Portland Inlet
Dixon Entrance
Prince of Wales Island
Baranof Island
Chichagof Island
Admiralty Island
Kupreanof Island
Kuiu Island
Kupreanof Island
Wrangell Island
Etolin Island
Zarembo Island
Mitkof Island
Revillagigedo Island
Annette Island
Gravina Island
Cape Muzon
Cape Chacon
Cape Fox
Cape Decision
Cape Ommaney
Cape Spencer
Cape Cross
Cape Fanshaw
Cape Bartolome
Cape Augustine
Cape Northumberland
Point Couverden
Point Ellis
Point Gardner
Point Harris
Point Walter
Point Armstrong
Point Alexander
Sitka Sound
Salisbury Sound
Shelikof Bay
Kruzof Island
Baranof
Kake
Ketchikan
Wrangell
Petersburg
Sitka
Hyder
Stewart
Port Simpson
Port Alexander
Port Armstrong
Port Walter
Yakobi I
Chichagof I
Baranof I
Prince of Wales I
Dixon Entrance
Portland Canal
Portland Inlet
Work Channel
Clarence Strait
Behm Canal
Revillagigedo Channel
Tongass Narrows
Ernest Sound
Thorne Bay
Salt Chuck
Waterfall
Cape Muzon
Cape Chacon
Cape Fox
Zayas I
Dundas Island
Baron I
Dunira I
Forrester I
Petrel I
Lowrie I
Coronation Island
Warren Island
Helm Pt
Iphigenia Bay
Esquibel
Baker
Noyes
Meares Passage
Thunder Mtn
Mt Edgecumbe 2638
Mt Ada
Mt Fairweather
Mt Crillon
Mt Ratz
Mt Bates
Mt Stewart
Mt John Jay
Mt Cleveland
Mt Ketchikan
Mt Jumbo
Mt Kupreanof
Mt Kuiu
Mt Wrangell
Mt Eliza
Mt Ernest
Mt Behm
Mt Fairweather
Mt Crillon
Mt Ratz
Mt Bates
Mt Stewart
Mt John Jay
Mt Cleveland
Mt Ketchikan
Mt Jumbo
Mt Kupreanof
Mt Kuiu
Mt Wrangell
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