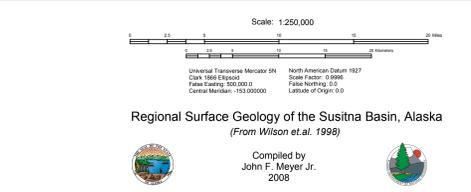


Map Unit Descriptions  
(From Wilson, et al. 1998)

GENERAL UNITS	MEZOZOIC AND PALEOZOIC Assemblages and Sequences
g Ice fields or glaciers	Chulitna Sequence Crystalline, argillite, chert, graywacke, and limestone
QUATERNARY AND LATE TERTIARY	Stratigraphic Sequences
Qs Surficial deposits, undifferentiated	Mystic Sequence
Qv Volcanic rocks, undivided	Quaternary and Tertiary
Qw Flow deposits, undivided	JTriv -- Taina River Volcanics and equivalent units
Qpd Pyroclastic deposits, undivided	PDsc -- Sheep Creek Formation and correlative siliclastic units
Qvd Dacitic to rhyolitic domes	JTrivD Mystic and Dillinger stratigraphic sequences, undivided
TERTIARY ROCKS	JTrivD -- Unnamed limestone
Sedimentary Rocks	Igneous Rocks
Tk Kenai Group, undivided	MzPzi Intrusive and volcanic rocks, undivided
Tsf -- Sterling Formation	MzZum Ultramafic and mafic rocks, undivided
Tty -- Tyonek Formation	Metamorphic Rocks
Tcb Coal-bearing rocks	JPzk Kaskinok Complex
Tts -- Taaska Formation	PALEOZOIC
Twf -- West Foreland Formation	Assemblages and Sequences
Tw -- Wishbone Formation	Skolai Group
Trv Fluvial sedimentary rocks and subordinate volcanic rocks	PPasc Station Creek and Siana Spur Formations, and equivalent rocks
Tch Chickadee Formation	PPast Sletna metamorphic complex
Tar Arlose Ridge Formation	PPastM Marble
Igneous Rocks	Dillinger and Nixon Fork Sequences
Volcanic and Hypabyssal Rocks	Dillinger Sequence
Tvu Volcanic rocks, undivided	DDi Dillinger sequence, undivided
Thf Hypabyssal felsic and intermediate intrusive rocks	Dabr -- Barren Ridge Limestone and correlative units
Thm Hypabyssal mafic intrusive rocks	Sic -- Terra Cotta Mountains Sandstone and correlative units
Oligocene	SCpi -- Post River Sandstone, Lyman Hills Formation, and correlative units
Togr Granite	Igneous Rocks
Oligocene or Eocene	Pzva Volcanic and sedimentary rocks
Toem Granodiorite to tonalite	Metamorphic Rocks
Eocene	PMpc Phyllite and chert
Tegr Granite and granodiorite	PALEOZOIC AND PRECAMBRIAN
Td Felsic intrusive rocks	Sequences and Complexes
Paleocene	Yukon-Tanana and Northern Alaska Range Metamorphic Complex
Tpgr Granitic rocks	PzZaps Pelitic and quartzose schist of the Alaska Range
Thgd Granodiorite and other intermediate plutonic rocks	TERTIARY AND/OR CRETACEOUS
Metamorphic Rocks	Igneous Rocks
Tms Schist, migmatite and granite	TKv Flows, tuff, and breccia, undivided
Tertiary and/or Cretaceous	Intrusive Rocks
Volcanic and Hypabyssal Rocks	TKI Intrusive rocks, undivided
TKv Flows, tuff, and breccia, undivided	TKg Granitic rocks
Intrusive Rocks	TKgd Granodiorite, tonalite, and monzonite dikes, and stocks
TKI Intrusive rocks, undivided	TKg Quartz diorite and diorite dikes and stocks
TKg Granitic rocks	TKgb Gabbro and leucogabbro
TKgd Granodiorite, tonalite, and monzonite dikes, and stocks	Metamorphic Rocks
TKg Quartz diorite and diorite dikes and stocks	TKc Melange or catclastite of the Orca Group
TKgb Gabbro and leucogabbro	TKgp Gneissose granitic rocks
Metamorphic Rocks	CRETACEOUS AND/OR JURASSIC
TKc Melange or catclastite of the Orca Group	Sedimentary Rocks
TKgp Gneissose granitic rocks	Kcs Cantwell Formation, sedimentary rocks
CRETACEOUS AND/OR JURASSIC	subunit
Sedimentary Rocks	Km Matanuska Formation
Kcs Cantwell Formation, sedimentary rocks	Melange
subunit	KTm McHugh Complex
Km Matanuska Formation	Igneous rocks
Melange	Volcanic and Hypabyssal Rocks
KTm McHugh Complex	Kve Andesite and related rocks
Igneous rocks	Intrusive Rocks
Volcanic and Hypabyssal Rocks	Kg Granitic rocks
Kve Andesite and related rocks	Knum Mafic and ultramafic rocks
Intrusive Rocks	Kit Leucotonalite and trondhjemite
Kg Granitic rocks	Metamorphic Rocks
Knum Mafic and ultramafic rocks	Kvs Metasedimentary rocks of the Valdez Group
Kit Leucotonalite and trondhjemite	CRETACEOUS AND/OR JURASSIC
Metamorphic Rocks	Sedimentary Rocks
Kvs Metasedimentary rocks of the Valdez Group	KJf Kahiltna flysch sequence
JURASSIC AND/OR TRIASSIC	KJfn -- Flysch sequence
Sedimentary Rocks	JURASSIC
JTrfm Limestone and marble	Sedimentary Rocks
Igneous Rocks	Jn Naknek Formation
JTrfk Talkeetna Formation	Jct Chitina Formation, Tuxedni Group, and correlative sedimentary rocks
JURASSIC AND TRIASSIC	Igneous Rocks
Sedimentary Rocks	Jmu Mafic and ultramafic rocks
Jn Naknek Formation	Jtr Trondhjemite
Jct Chitina Formation, Tuxedni Group, and correlative sedimentary rocks	Ji Alaska-Alutian Range and Chitna Valley batholiths, undifferentiated
Igneous Rocks	Metamorphic Rocks
Jmu Mafic and ultramafic rocks	Jsch Greenschist and blueschist
Jtr Trondhjemite	Jps Pelitic schist
Ji Alaska-Alutian Range and Chitna Valley batholiths, undifferentiated	JURASSIC AND TRIASSIC
Metamorphic Rocks	Sedimentary Rocks
Jsch Greenschist and blueschist	JTrfm Limestone and marble
Jps Pelitic schist	Igneous Rocks
JURASSIC AND TRIASSIC	JTrfk Talkeetna Formation
Sedimentary Rocks	TRIASSIC
JTrfm Limestone and marble	Sedimentary Rocks
Igneous Rocks	Trcs Calcareous sedimentary rocks
JTrfk Talkeetna Formation	Trog Conglomerate and volcanic sandstone
TRIASSIC	Igneous Rocks
Sedimentary Rocks	Tm Volcanic Rocks
Trcs Calcareous sedimentary rocks	Metamorphic Rocks
Trog Conglomerate and volcanic sandstone	Tmm Metavolcanic and associated metasedimentary rocks
Igneous Rocks	
Tm Volcanic Rocks	
Metamorphic Rocks	
Tmm Metavolcanic and associated metasedimentary rocks	

**Disclaimer**  
This map was created, edited, and published by the State of Alaska, Department of Natural Resources, Division of Oil and Gas, and is for informational purposes only. Discrepancies between structural features and basin outlines are the result of discrepancies between data sets from a number of different sources. An attempt has been made to reconcile discrepancies among conflicting sources of map data in this basin for selected parameters.

**Exploration Wells**  
 + Plugged & Abandoned - Oil Show  
 + Plugged & Abandoned - Oil and Gas Show  
 + Plugged & Abandoned - Oil (Certified or Significant)  
 + Shut-in Location  
 + Operational Shutdown  
 + Plugged & Abandoned  
 + Permitted Location



**Data Sources**  
Basemap data including hydrologic data, village and town locations, granite and igneous intrusions, roads, and boundaries are from the State of Alaska, Core GIS Database. The oil and gas wells are from the Alaska Division of Oil and Gas database adapted from the Alaska Oil and Gas Conservation Commission database. The regional geologic map units, faults and folds are from Wilson, F.H., et al., 1998, the coal field boundaries from Morris, R.D. and Hawley, C.C., 1989, and the placer deposits are from Nookberg, W.J., et al., 1987.

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