



Data Sources

Base map data including hydrologic data, village and town locations, glaciers and icefields, volcanoes, reefs 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 sedimentary basins, faults and folds are from Kirschner, C.E., 1988, the placer deposits are from Nockleberg, W.J., et al., 1987, and the magnetic anomalies are from Saltus, R.W., et al., 1999.

References Cited

Kirschner, C.E., 1988, Map showing sedimentary basins of onshore and continental shelf areas, Alaska, US Geological Survey, Miscellaneous Investigations Series I-1873, scale 1:2,500,000.

Nockleberg, W.J., Bunzton, T.K., Berg, H.C., Drew, D.A., Grybeck, D., Robinson, M.S., Smith, T.E., and Yend, W., 1987, Significant metaliferous lake deposits and placer districts of Alaska, U.S. Geological Survey Bulletin 1786, 104 p.

Saltus, R.W., Conrad, G.G., and Hill, P.L., 1999, Alaska aeromagnetic compilation - Digital grids and survey data, US Geological Survey, Open File Report 99-502.

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 merging multiple data sets from a number of different sources. An attempt has been made to reconcile discrepancies among conflicting sources of map data in this compilation, but the user is cautioned against using this product as the basis for detailed interpretation.

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Location Map

Scale: 1:250,000

Graphic scale bar showing 0 to 20 miles and 0 to 30 kilometers.

Combar Interval: 5 nT (nanoteslas)
Clark 1866 Ellipsoid
False Easting: 500,000.0
Central Meridian: -153.000000

North American Datum 1927
Scale Factor: 0.9996
False Northing: 0.0
Latitude of Origin: 0.0

Total Intensity Magnetic Anomaly Map of the Holiitna Basin, Alaska
(From Saltus, et al., 1999)

Compiled by
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Map Legend

● Population < 1000	○ Gas Seep	— Fold	— Thrust Fault	- - - - - Syncline - Inferred	▭ Federal Parks
● Population > 1000	○ Oil Seep	— Fault	- - - - - Thrust Fault - Inferred	— Anticline	▭ Placer Deposits
✕ Metalliferous Lode Deposits	○ Oil Bearing Outcrop	— Normal Fault	- - - - - Syncline	— Anticlinorium	▭ Basin Depocenters
		- - - - - Fault - Inferred	— Synclinorium	- - - - - Anticline - Inferred	— Roads

Color scale for Total Intensity Magnetic Anomaly (nanoteslas): -245 to 395.