



**Data Sources**

Base map data including hydrologic data, village and town locations, glaciers and icefields, volcanoes, 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 dataset. The sedimentary basins, faults and folds are from Kirschner, C.E., 1988. The coal field boundaries are from Merritt, R.D. and Hawley, C.C., 1988. The placer deposits are from Nockberg, W.J., et al., 1987, and the magnetic anomalies are from Saitta, R.W., et al., 1999.

**References Cited**

Kirschner, C.E., 1988. Map showing sedimentary basins of oilshow and coalfield areas, Alaska, U.S. Geological Survey, Miscellaneous Investigations Series I-1873, scale 1:2,500,000.

Merritt, R.D. and Hawley, C.C., 1988. Map of Alaska's coal resources. Alaska Division of Geological and Geophysical Surveys Special Report 37, 1 sheet, scale 1:2,500,000.

Nockberg, W.J., Burdick, T.K., Brog, H.C., Brog, D.A., Grybeck, D., Robinson, M.S., Smith, T.E., and Yeard, W., 1987. Significant metalliferous lode deposits and placer districts of Alaska. U.S. Geological Survey Bulletin 1780, 128 p.

Saitta, R.W., Conant, G.G. and Hill, P.L., 1999. Alaska aeromagnetic compilation - Digital grids and survey data. U.S. Geological Survey, Open-File Report 99-502.

**Exploration Wells**

- Drill Hole
- Oil Well
- Gas Well
- Service Well (Un-differentiated)
- Suspended Well
- Suspended - Oil Show
- Plugged & Abandoned
- Plugged & Abandoned - Oil Show
- Plugged & Abandoned - Gas Show
- Plugged & Abandoned - Oil and Gas Show
- Plugged & Abandoned - Oil (Certified or Significant)
- Shut-in Location
- Operational Shutdown
- Permitted Location

**Location Map**

**Scale: 1:250,000**

Contour Interval: 5 nT (nanoteslas)

Universal Transverse Mercator 5N  
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 Nenana Basin, Alaska**  
(From Saitta, et al., 1999)

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2006

**Map Legend**

- ▲ Volcanoes
- ✕ Metalliferous Lode Deposits
- Gas Seep
- Oil Seep
- Oil Bearing Outcrop
- Fold
- Fault
- Normal Fault
- - - Fault - Inferred
- Thrust Fault
- - - Thrust Fault - Inferred
- Syncline
- Synclinorium
- - - Syncline - Inferred
- Anticline
- Anticlinorium
- - - Anticline - Inferred
- Federal Parks
- Placer Deposits
- Coalfields
- Basin Depocenters
- Trans Alaska Pipeline
- Roads
- Population < 1000
- Population > 1000

Total Intensity Magnetic Anomaly (nanoteslas)

**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 interpretations.

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