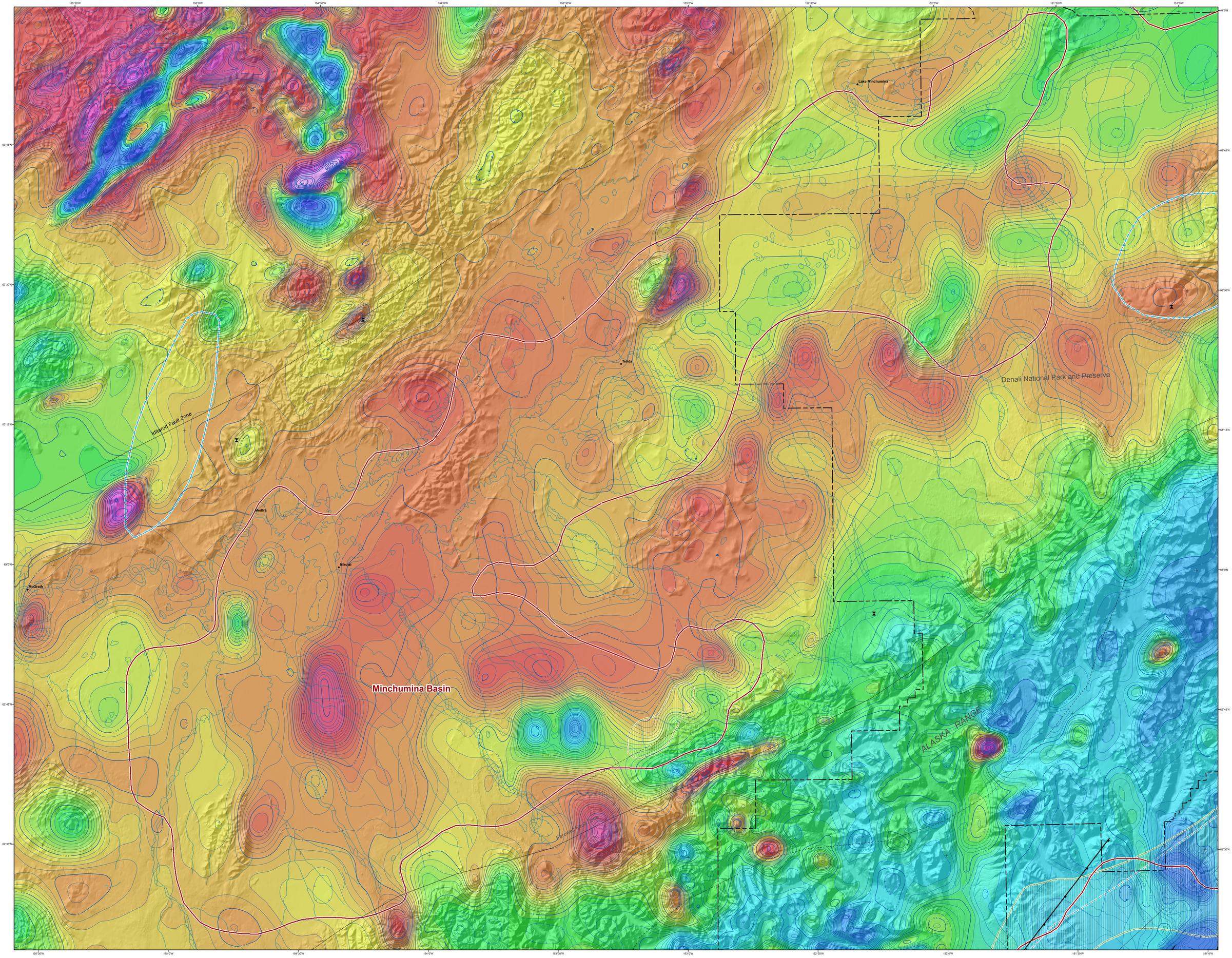

Data Sources

Basemap 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 Merrit, R.D. and Hawley, C.C., 1986, 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.

Merritt, R.D., and Hawley, C.C., 1986, Map of Alaska's coal resources: Alaska Division of Geological & Geophysical Surveys Special Report 37, 1 sheet, scale 1:2,500,000.

Nockleberg, W.J., Bundtzen, T.K., Berg, H.C., Brew, D.A., Grybeck, D., Robinson, M.S., Smith, T.E., and Yeend, W., 1987, Significant metalliferous lode deposits and placer districts of Alaska: U.S. Geological Survey Bulletin 1786, 104 p.

Saltus, R.W., Connard, 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 interpretations.

The State of Alaska makes no expressed or implied warranties (including warranties of merchantability and fitness) with respect to the character, function, or capabilities of this product or its appropriateness for any user's purposes. In no event will the State of Alaska be liable for any incidental, indirect, special, consequential or other damages suffered by the user or any other person or entity whether from use of the product, any failure thereof or otherwise, and in no event will the State of Alaska's liability to you or anyone else exceed the fee paid for the product.

Location Map

Scale: 1:250,000

0 2.5 5 10 15 20 Miles
0 2.5 5 10 15 20 Kilometers

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 Minchumina Basin, Alaska

(From Saltus, et.al., 1999)

Compiled by
John F. Meyer Jr.
2008

Map Legend

- Population < 1000
- Population > 1000
- Metalliferous Lode Deposits
- Roads
- 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

-245 -185 -150 -130 -115 -105 -95 -85 -80 -70 -65 -60 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 25 35 45 65 90 120 160 210 260 395

Total Intensity Magnetic Anomaly (nanoteslas)