

ALASKA MERGED GEOPHYSICAL DATA GRIDS
DGGGS Staff

Digital Data Series 12

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS



STATE OF ALASKA

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ABSTRACT

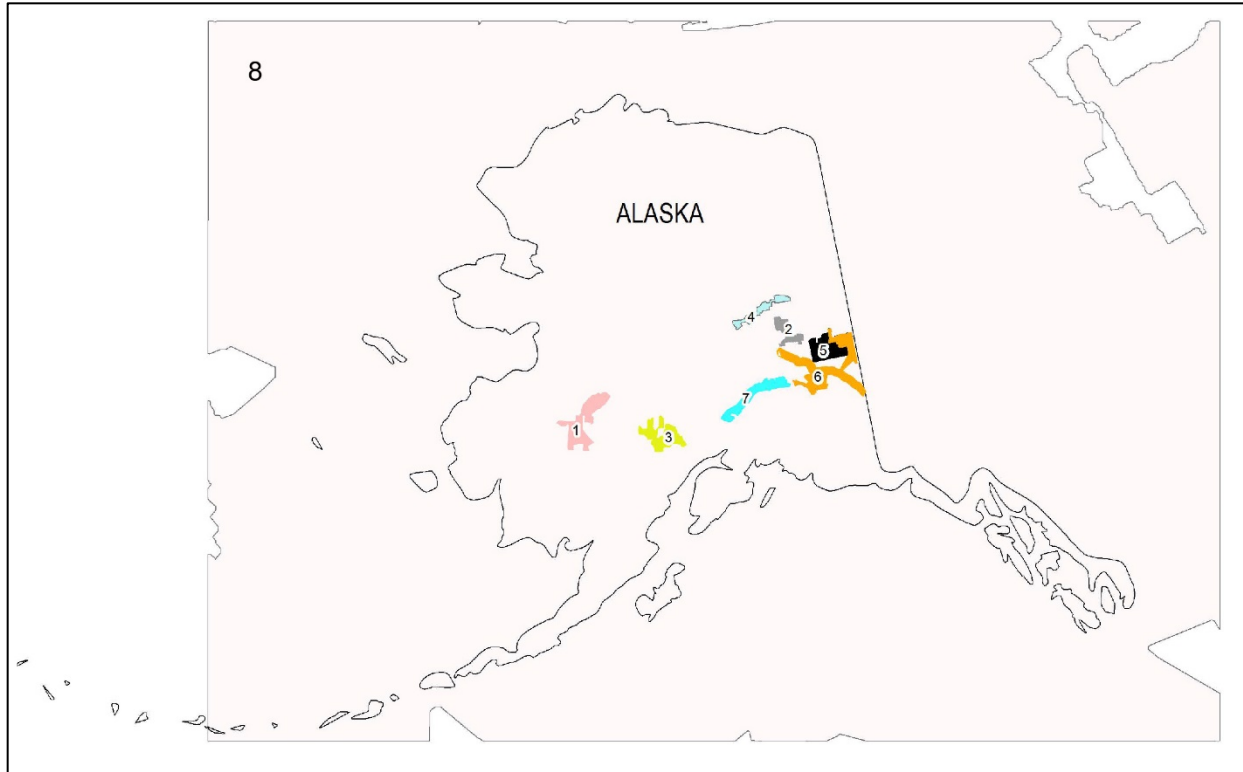
Alaska merged geophysical data grids provides merged grids of residual magnetic intensity or apparent resistivity for various areas of scientific or economic interest throughout Alaska. The grids were compiled from previously published surveys and were generated by Alaska Division of Geological & Geophysical Surveys (DGGS) staff, collaborators, or contractors. This publication is part of the DGGS Digital Data Series (DDS) and will be periodically updated with additional data. The data, as well as additional metadata, are available from the DGGS website: <http://dggs.alaska.gov/pubs/id/29555>.

PURPOSE

Alaska merged geophysical data grids is a product of DGGS's ongoing work to acquire data to support mineral exploration, hydrocarbon exploration, resource development, economic growth, water resources, hazard identification, geologic mapping, and scientific discovery.

ACKNOWLEDGMENTS

The grids were compiled from previously published surveys and were generated by DGGS staff, collaborators, or contractors. Funding for grid development varies among the datasets. Funding sources include Alaska State Legislature as part of the DGGS Airborne Geophysical/Geological Mineral Inventory (AGGMI) program, the Alaska Strategic and Critical Minerals Assessment Capital Improvement Project (SCMA), the USGS Mineral Resources Program, and other sources.



Location map of merged geophysical data grids.

AVAILABLE DATA

Number	Package Download Link Name	Description
1	idi_ani_slr_bvc_fhx_sdr	Merged grids of residual magnetic intensity, digital terrain model, and apparent resistivity compiled from Aniak, Sleetmute, Iditarod, Beaver Creek, Fox Hills, and Southern Dishna River geophysical surveys
2	bm_lis_go_sesrp_srp	Merged grids of residual magnetic intensity, digital terrain model, and apparent resistivity compiled from the Black Mountain, Liscum, Goodpaster, SE Extension Salcha River - Pogo, and Salcha River - Pogo geophysical surveys
3	st_frl_mst_est	Merged grids of residual magnetic intensity, digital terrain model, and apparent resistivity compiled from the Styx, Farewell, Middle Styx, and East Styx geophysical surveys
4	nefb_fb_hd_cir	Merged grids of simulated magnetic total field, calculated first vertical derivative, and apparent resistivity compiled from the Northeast Fairbanks, Fairbanks, Headwaters of the Little Chena, and Circle surveys
5	taylor_mountain	Merged grids of residual magnetic intensity of the Taylor Mountain area compiled from the Tanacross, Ladue, Western Fortymile, and Fortymile geophysical surveys

Number	Package Download Link Name	Description
6	tok_lad_scsr_ahc_40mi	Merged grids of residual magnetic intensity, digital terrain model, and apparent resistivity compiled from the Tok, Ladue, Slate Creek - Slana River, Alaska Highway Corridor, and Fortymile geophysical surveys
7	wran_ic_sdr_vc_nik	Merged grids of residual magnetic intensity, digital terrain model, and apparent resistivity compiled from the Wrangellia, Iron Creek, Southern Delta River, Valdez Creek, and Nikolia geophysical surveys
8	alaska_magnetic_amomaly_merge	This composite magnetic anomaly grid contains the available, public-domain, digital, magnetic surveys for the state of Alaska as of 2015