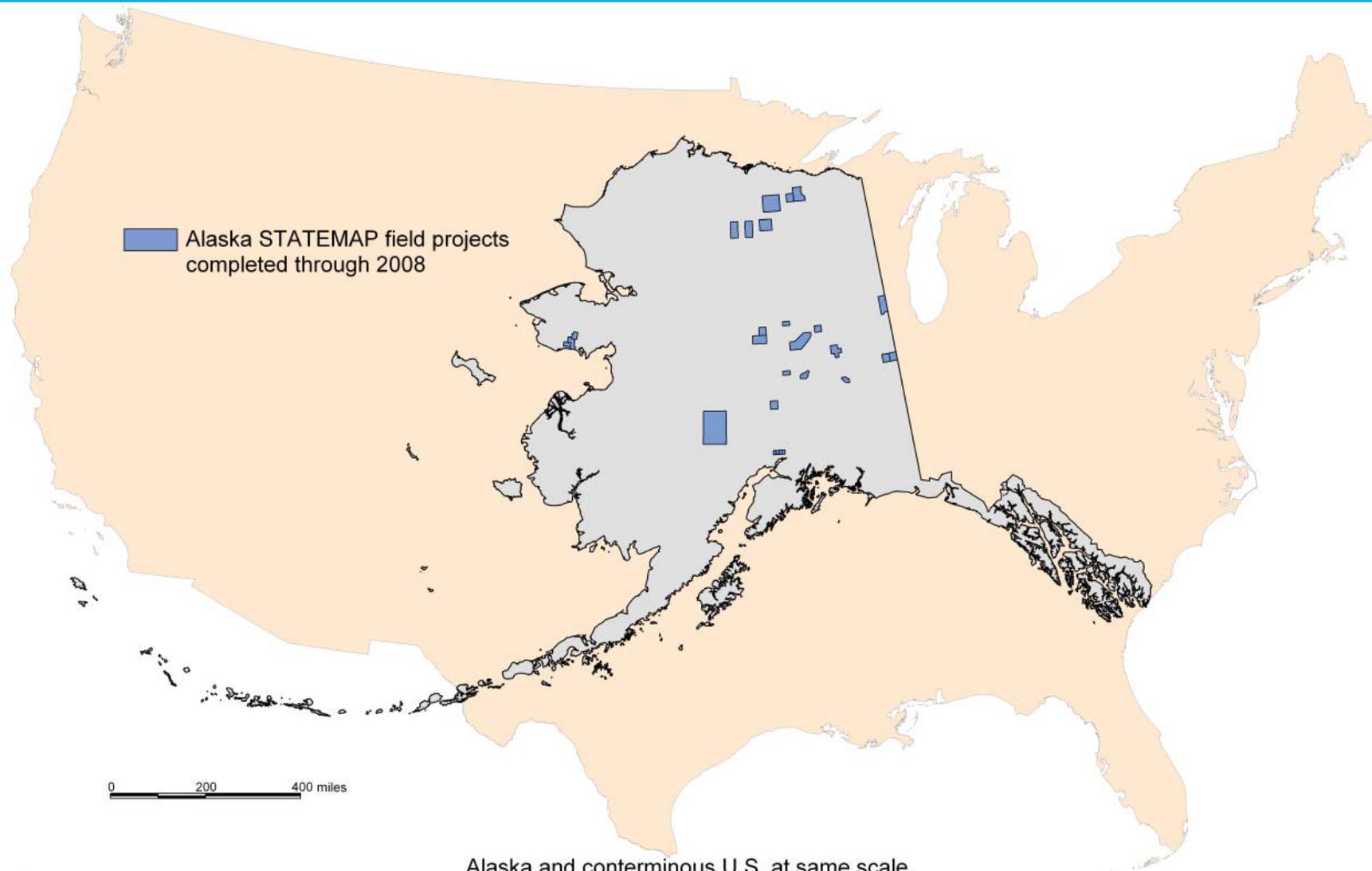


National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping



Contact information

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SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN ALASKA				
Federal Fiscal Year	Project	State funds	Federal funds	Total
1993	Castle Mountain fault system, northern halves of Anchorage C-7 & C-8 quadrangles	59,570	51,993	111,563
1994	Charley River C-1 and D-1 quadrangles Access Corridor	50,779	50,000	100,779
1995	Fairbanks Urban Area & Mining District	31,379	30,000	61,379
1996	Rampart Mining District, Tanana B-1 Quadrangle	106,041	98,817	204,858
1996	Digital Compilation of eastern half McGrath Quadrangle	40,158	39,865	80,023
1997	Rampart Mining District, Tanana A-1 and A-2 quadrangles	120,564	118,400	238,964
1998	Upper Chulitna Mining District, Healy A-6 Quadrangle	122,322	121,500	243,822
1999	Sagavanirktok B-1 Quadrangle	276,220	125,000	401,220
2000	Fortymile Mining District, Eagle A-2 Quadrangle	140,413	130,000	270,413
2001	Philip Smith C-5 Quadrangle with portions of surrounding quadrangles	150,636	149,640	300,276
2001	Fortymile Mining District, Eagle A-1 Quadrangle	106,571	106,403	212,974
2001	Enter DGGs maps into NGMDB	7,567	8,731	16,298
2002	Salcha River–Pogo: Big Delta C-3, SW¼ C-2, NW¼ B-3 quads	252,917	252,903	505,820
2003	Kanayut River: Chandler Lake B-2 and C-2 quadrangles	155,569	150,844	306,413
2003	Livengood SE C-4, SW C-3 quadrangles	90,915	85,069	175,984
2004	Council mining areas, Solomon Quadrangle	145,276	145,258	290,534
2004	Tiglukpuk Creek: Eastern Chandler Lake B-4 Quadrangle	107,666	107,588	215,254
2005	Siksikpuk River: Chandler Lake B-4 & C-4 quadrangles	144,751	144,507	289,258
2005	Liberty Bell area, southern Fairbanks A-4 Quadrangle	81,583	81,561	163,144
2006	Casadapega River Bluff area, Solomon Quadrangle	321,144	179,992	501,136
2006	Kavik River area, Mt. Michelson Quadrangle	75,804	39,992	115,796
2007	NE Fairbanks Mining District, parts of Circle A-4, A-5, B-4, B-5 quads	158,261	158,246	316,507
2007	Alaska Highway corridor, northeast Mount Hayes C-2 quadrangle	96,142	76,054	172,196
2008	Eastern Bonnifield Mining District, Fairbanks and Healy quadrangles	145,547	145,496	291,043
2008	Sagavanirktok River area, Sagavanirktok quadrangle	105,155	72,344	177,499
	TOTALS	\$3,092,950	\$2,670,203	\$5,763,153

Alaska STATEMAP fact sheet (FY2009)

Since 1993, the National Cooperative Geologic Mapping Program through STATEMAP has made a significant contribution to expanding geologic knowledge in Alaska where current geologic mapping is limited or nonexistent. Alaska is endowed with a rich resource potential but also has significant natural hazards. The state has a resourced-based economy and supplies a significant portion of the nation's energy and mineral resources. Our STATEMAP projects are primarily directed toward detailed mapping and analysis in areas of high resource potential and hazards to help meet the resource needs of the state and the nation, as well as to mitigate hazard risks. Alaska is the only state developing new, large mineral deposits, yet less than 10 percent of Alaska land has been geologically mapped at a scale of 1 inch = 1 mile or better. STATEMAP is helping to expand that coverage where it is needed for future resource-exploration and development projects, construction-materials evaluation, and geologic hazards identification. Through 2008, the Alaska Division of Geological & Geophysical Surveys (ADGGS) has completed new geologic mapping for 8,560 square miles of Alaska as part of STATEMAP.

STATEMAP projects conducted by ADGGS have mapped portions of strategic commercial access corridors, mining districts, and frontier oil and gas provinces. Products of these projects have contributed to increased oil and gas lease sales on the North Slope, mineral exploration in many mining districts, and have helped Alaska Native corporations evaluate the mineral

resources of their lands. Recent leases purchased in the area of ADGGS STATEMAP projects in the Brooks Range foothills of the North Slope may lead to gas discoveries that will increase the national reserve base. In FY2009, ADGGS will use STATEMAP funds to begin a two-year geologic mapping program of about 875 square miles of the Tyonek-Capps Glacier area along the northwestern margin of Cook Inlet basin, and 129 square miles of the northwestern Mentasta-Slana area of the eastern Alaska Range. The Tyonek-Capps Glacier project includes stratigraphic and structural features important to understanding the oil and gas potential of the basin and geologic hazards potentially impacting existing petroleum production infrastructure and the state's largest population center—Anchorage. The Mentasta-Slana project will provide geologic mapping in support of exploration and management of an area of high mineral interest, as well as improved understanding of the adjacent Denali fault system, which ruptured in a magnitude 7.9 earthquake in 2002.

Users of recent ADGGS STATEMAP products attest to their benefits for addressing particular needs: *“We consider the geological mapping undertaken by the ADGGS and the associated products issued to the public and industry alike to be useful in our regional interpretation of the subsurface geology. The STATEMAP project helps to provide a useful geological service in an unbiased and professional format.”* –Richard Garrard, FEX/Talisman