



ASSOCIATION OF AMERICAN STATE GEOLOGISTS

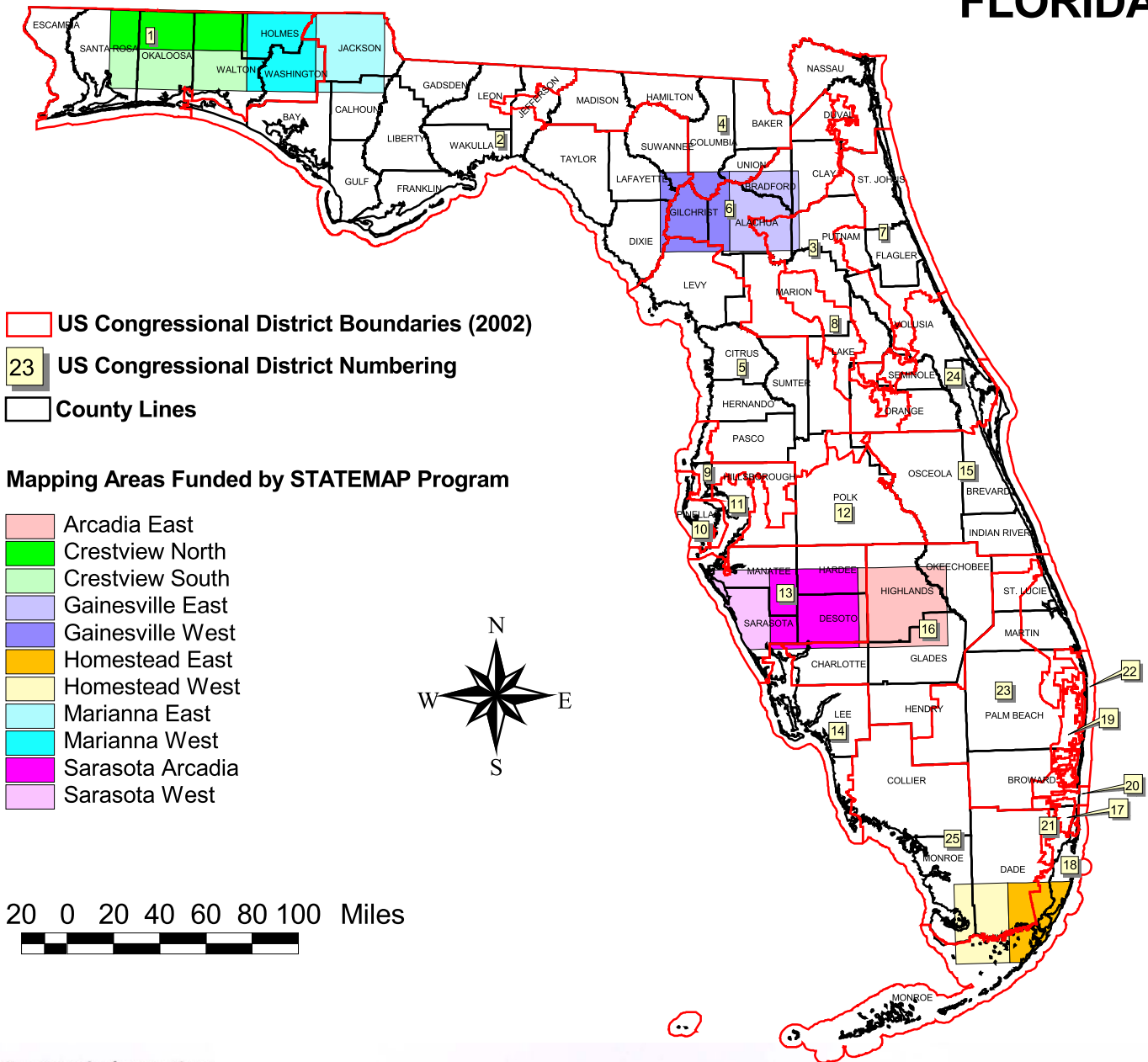
in cooperation with

UNITED STATES GEOLOGICAL SURVEY



National Cooperative Geologic Mapping Program

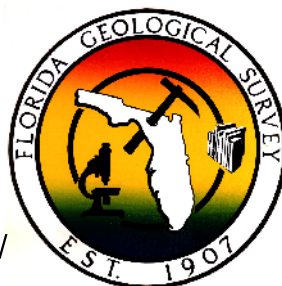
FLORIDA



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STATUS OF STATEMAP GEOLOGIC MAPPING IN FLORIDA

Federal Fiscal Year	Project Title and Scale	Federal Dollars	State Dollars	Total Project Dollars
1993	N/A	\$-	\$-	\$-
1994	Geologic map of the eastern portion of the USGS 1:100,000 scale Homestead quadrangle	\$30,000	\$30,000	\$60,000
1995	Geologic map of the western portion of the USGS 1:100,000 scale Homestead quadrangle	\$30,000	\$30,000	\$60,000
1996	Geologic map of the western portion of the USGS 1:100,000 scale Sarasota quadrangle	\$70,000	\$70,000	\$140,000
1997	Geologic map of the eastern portion of the USGS 1:100,000 scale Sarasota quadrangle and the western portion of the 1:100,000 scale Arcadia quadrangle	\$95,547	\$95,547	\$191,094
1998	Geologic map of the eastern portion of the USGS 1:100,000 scale Arcadia quadrangle	\$104,414	\$104,414	\$208,828
1999	Geologic map of the northern portion of the USGS 1:100,000 scale Crestview quadrangle	\$105,000	\$105,000	\$210,000
2000	Geologic map of the southern portion of the USGS 1:100,000 scale Crestview quadrangle	\$106,021	\$106,021	\$212,042
2001	Geologic map of the western portion of the USGS 1:100,000 scale Marianna quadrangle	\$120,990	\$120,990	\$241,980
2002	Geologic map of the eastern portion of the USGS 1:100,000 scale Marianna quadrangle	\$134,606	\$134,606	\$269,212
2003	Geologic map of the western portion of the USGS 1:100,000 scale Gainesville quadrangle	\$125,761	\$125,761	\$251,522
2004	Geologic map of the eastern portion of the USGS 1:100,000 scale Gainesville quadrangle	\$119,027	\$119,027	\$238,054
	TOTALS	\$1,041,366	\$1,041,366	\$2,082,732

The State of Florida has undergone significant population growth during the last several decades. This growth has impacted the State's groundwater, mineral, and environmental resources and has threatened the citizen's quality of life. Understanding the geology of a region is essential to the wise use of resources without adversely affecting the populace. This is especially important in and around the rapid-growth areas of Florida.

Geologic mapping under the STATEMAP program has encompassed a wide range of geographic areas throughout Florida, including south Florida, southwest Florida, the Florida panhandle, and central Florida. The maps produced under this program have already proven of great use to the Florida Springs Initiative and the Comprehensive Everglades Restoration Program (CERP). Over the last ten years, the FGS has mapped the Homestead, Sarasota, Arcadia, Crestview, and Marianna 1:100,000 quadrangles utilizing funds from STATEMAP and matching FGS funding (Figure 1).

Currently, the FGS is mapping the western portion of the Gainesville 1:100,000 quadrangle under an award from the 2003-2004 STATEMAP program. This ongoing mapping effort includes augering, core drilling, field reconnaissance, and cuttings/core description. Mapping of this portion of the Gainesville quadrangle began September 1, 2003, with the deliverables due August 31, 2004.

For the 2004-2005 STATEMAP project, the FGS has been funded to map the eastern portion of the Gainesville 1:100,000 scale quadrangle. Mapping on this project is scheduled to begin September 01, 2004 and will conclude August 31, 2005. The Gainesville quadrangle includes some of the most complex outcrop patterns in the state, including some of the oldest outcropping rocks. Lithostratigraphic units exposed within the proposed study area include the Eocene Ocala Limestone, the Oligocene Suwannee Limestone, the Miocene Hawthorn Group, and the Plio-Pleistocene Cypresshead Formation.