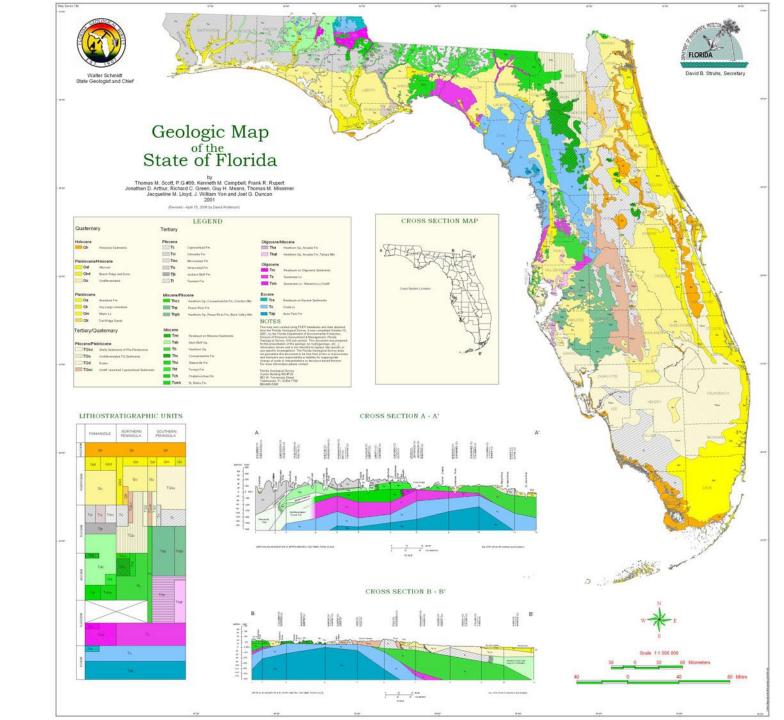


## Geologic Mapping History

- The Florida Geological Survey has been collecting, interpreting and disseminating geologic information since 1907.
- The first statewide surficial geologic map of Florida was published by the FGS in 1909.
- Since then, updated and revised statewide surficial geologic maps were published in 1922, 1945, 1959, 1965 and most recently in 2001.
- Geologic maps are revised, updated and published periodically as new data are acquired that increase our understanding of the geology of Florida.



- Geologic Map of Florida (Scott et al., 2001).
- 1:1,000,000 scale.





• Goal: complete a revised statewide surficial geologic map by 2025.

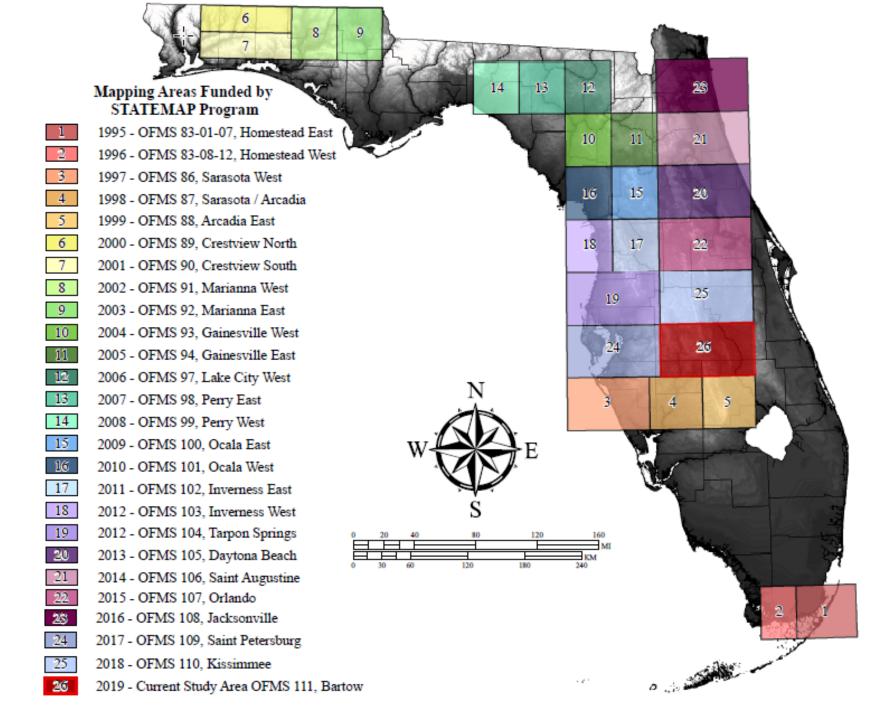
Two teams of mappers will consist of STATEMAP mapping team and another team comprised of other FGS geologists who will dedicate some of their time to mapping.

## Geologic Mapping STATEMAP

- STATEMAP is partially funded (50:50 match) through the US Geological Survey and is part of the National Cooperative Geologic Mapping Program established in 1992 by the passing of the National Geologic Mapping Act by Congress.
- The FGS has received funding for surficial geologic mapping through this program since 1994.
- STATEMAP produces a surficial geologic map, at 1:100,000 scale, each year as a deliverable.
- To date, STATEMAP has mapped approximately 50% of the state.
- Download maps and get more information at: <a href="https://floridadep.gov/fgs/research/content/statemap">https://floridadep.gov/fgs/research/content/statemap</a>

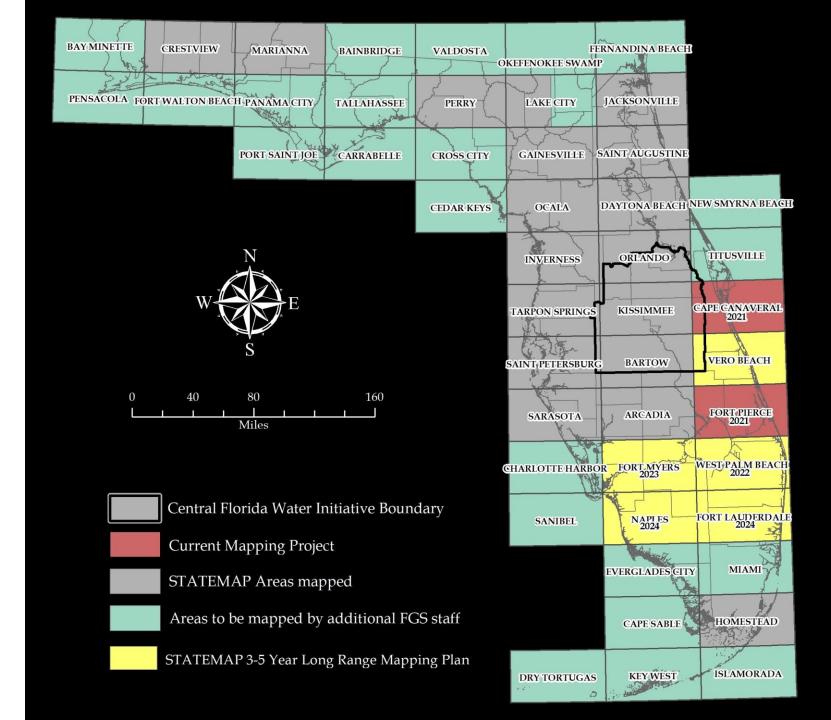


 Shaded areas have already been mapped by STATEMAP team.



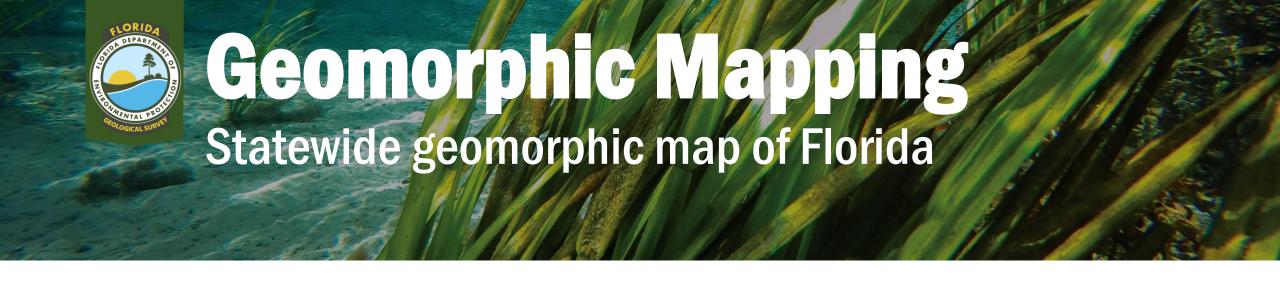


- Provided STATEMAP funding continues, mapping will proceed as outlined in this graphic.
- Areas outside of STATEMAP study areas will be mapped by other FGS geologists.
- Areas will be combined to create the updated map in 2025.





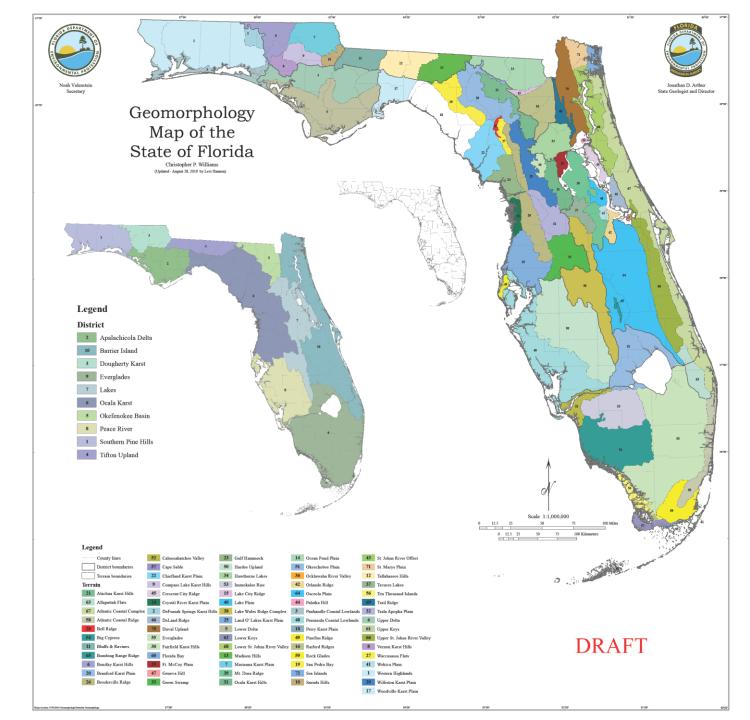
- Geomorphic maps show the distribution of landforms (hills, dunes, sinkholes, etc.).
- The FGS has published geomorphic maps and described the physiography of various parts of the state in many reports and publications (Vernon, 1942; White, 1958; White, 1970).
- More information at: <a href="https://floridadep.gov/fgs/research/content/geologic-mapping">https://floridadep.gov/fgs/research/content/geologic-mapping</a>



 Goal: complete a digital atlas of Florida's geomorphic units by 2020 and publish a comprehensive bulletin on Florida geomorphology once the digital atlas is complete and statewide high resolution LiDAR becomes available.



- New LiDAR elevation models will be utilized to create the map.
- Statewide LiDAR is currently being collected and will provide a seamless, high resolution topographic model for the state.
- Reveals landforms not seen on USGS topographic maps, particularly karst features.





- Florida is divided into geomorphic districts that are further divided into geomorphic provinces.
- Delineation of geomorphic units is based on similarity of landforms, the geomorphic processes leading to their formation, and the underlying geology.

