Open-File Map Series 117, Plate 2
*See Open-File Report 114 for accompanying text

This geologic map was funded in part by the USGS National Cooperative Geologic Mapping Program

Florida Department of Environmental Protection
Florida Geological Survey

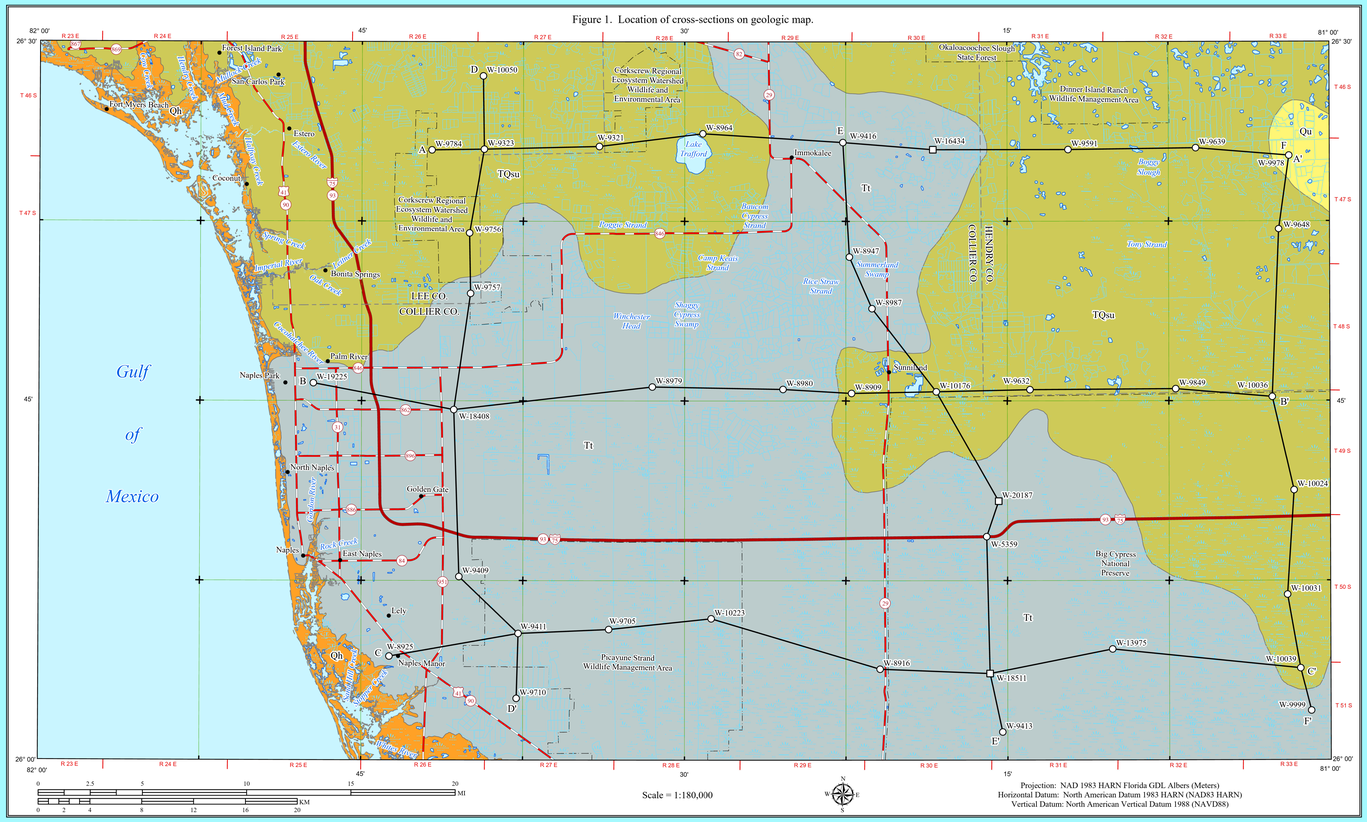
Guy H. Means
State Geologist and Director

OPEN-FILE MAP SERIES 117, Plate 2
GEOLOGIC CROSS-SECTIONS FOR THE USGS NAPLES 30 X 60 MINUTE QUADRANGLE, SOUTHWEST FLORIDA

2024

BY
RICHARD C. GREEN, (P.G. # 1776), NICKOLAUS P. HALL, PRESTON A. EARLEY, CRYSTAL L. HEBETS, SEAN A. JONES, CHRISTOPHER P. WILLIAMS, BENJAMIN L. DAVIS, AND ERICKA L. MCMAHAN

Figure 1. Location of cross-sections on geologic map.

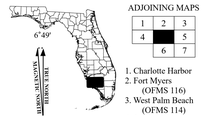


Map Units

Qh	Holocene sediments
Qu	Undifferentiated Quaternary sediments
TQsu	Undiff. Tertiary/Quaternary shelly sediments
Tt	Tamiami Formation
Thp	Hawthorn Group, Peace River Formation
Tha	Hawthorn Group, Arcadia Formation

Cross-Sections

Qh | Qu | TQsu | Tt | Thp | Tha



ADJOINING MAPS

1	2	3
4		5
	6	7

1. Charlotte Harbor
2. Fort Myers (OFMS 116)
3. West Palm Beach (OFMS 114)
4. Sanibel
5. Fort Lauderdale
6. Everglades City
7. Miami

Cross-Sections Legend

- Contact
- Inferred contact
- TD — Total depth
- BLS — Below land surface
- (5) — Sample interval in feet
- (V) — Variable sample interval
- 11 / 80 — Roads
- Core
- Cuttings
- Cross section line
- City/town
- County boundary
- USGS 1:24,000 Quadrangle
- USGS 1:24,000 Quadrangle tick mark
- 75 — Primary highway
- 80 / 275 — Secondary highway
- State lands and parks
- Waterbody
- Wetland
- River or stream

Refer to Open-File Report 114, Appendix A for well information

Refer to OFMS 117, Plate 1 for Geologic Map

1:24,000 QUADRANGLE GRID

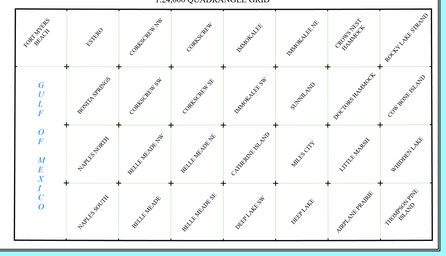
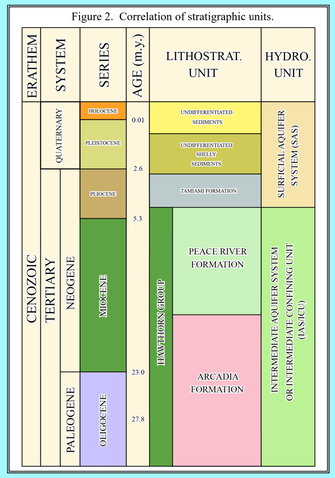
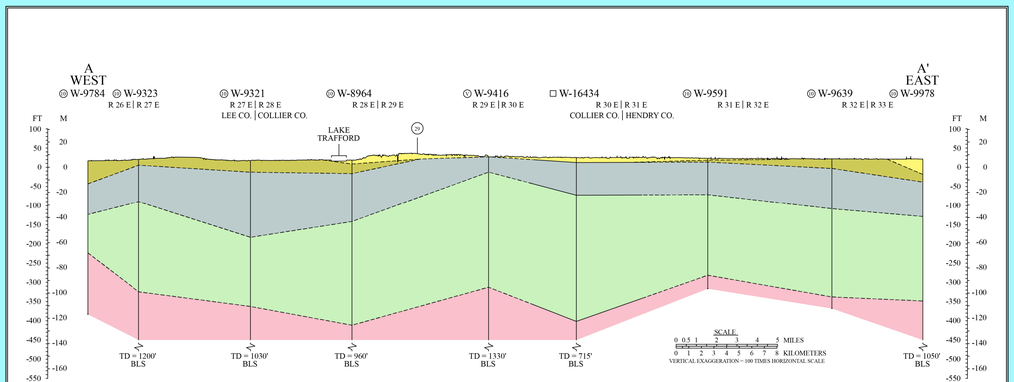
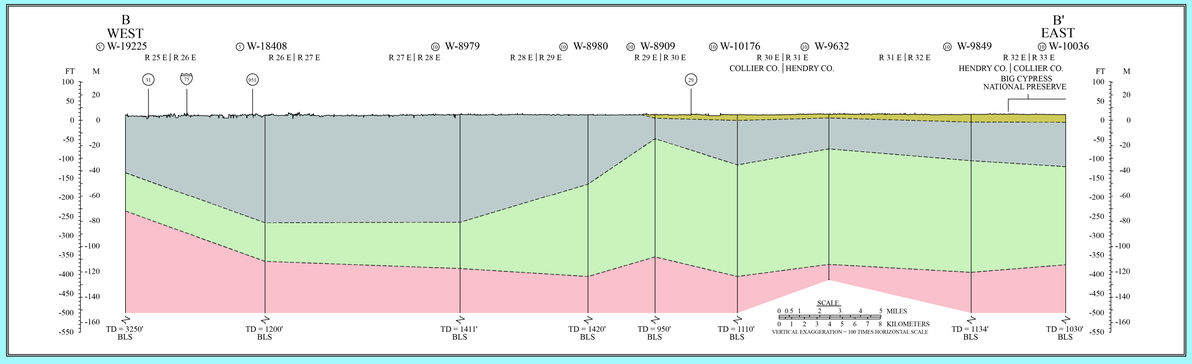
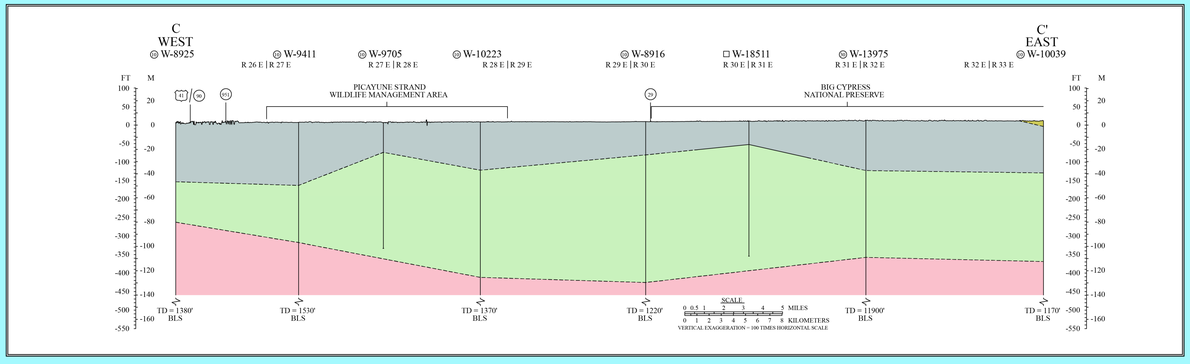


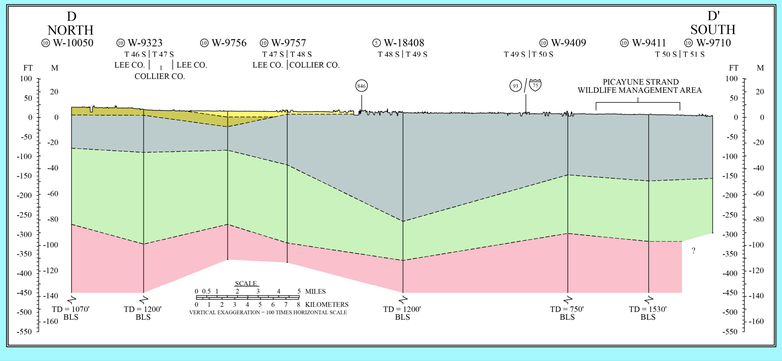
Figure 2. Correlation of stratigraphic units.

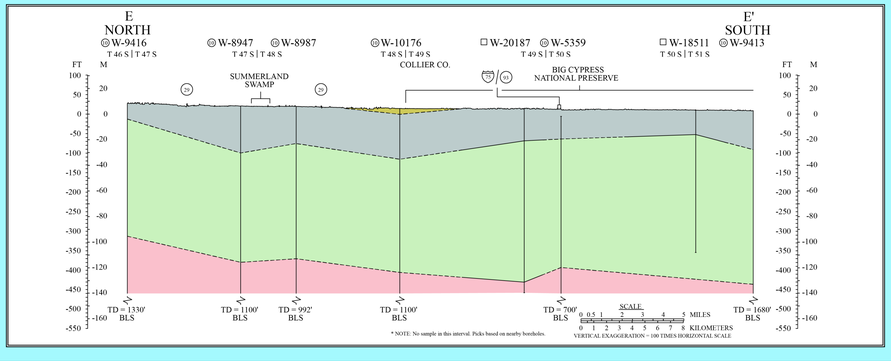


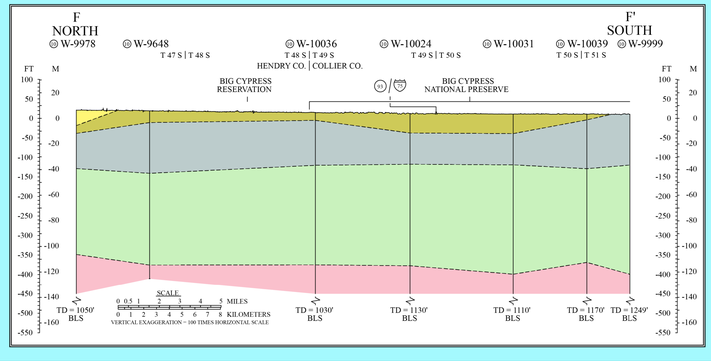












Disclaimer

This map was created using Florida Department of Environmental Protection (DEP) databases and data obtained from the Florida Geological Survey (FGS). It was completed August 31, 2024, by the DEP/FGS Geological Investigations Section. This document was prepared for the presentation of the geologic information shown and is not intended to replace site-specific or use-specific investigations. The FGS does not guarantee this document to be free from errors or inaccuracies and disclaims any responsibility or liability for inappropriate change of scale, interpretations, or decisions based thereon. Cooperatively funded by the DEP/FGS and the U.S. Geological Survey (USGS), National Cooperative Geologic Mapping Program, under USGS assistance award numbers G22AC00572 and G23AC00523. The views and conclusions in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. government.

NOTE: Geologic map and geologic cross-sections may appear to disagree slightly when depicting the upper unit due to the convention of not portraying undifferentiated sediments on the geologic map unless they are thicker than 20 feet (6.1 meters), whereas cross-sections will show all undifferentiated sediments thicknesses. Additionally, cross-section contacts are based on straight-line projection between boreholes, which can lead to apparent thicknesses between boreholes on the cross-section that are not supported by field evidence or other boreholes.

For more information or to order maps contact Librarian:

Florida Geological Survey
3000 Commonwealth Blvd., Suite 1
Tallahassee, FL 32303
850/ 617-0316
https://floridadep.gov/fgs/research/content/statemap

ISSN 1934-1830

Created August 2024