Guy H. Means
State Geologist and Director

OPEN-FILE MAP SERIES 116, Plate 2
GEOLOGIC CROSS-SECTIONS FOR THE USGS FORT MYERS 30 X 60 MINUTE QUADRANGLE, SOUTHWESTERN FLORIDA

2024

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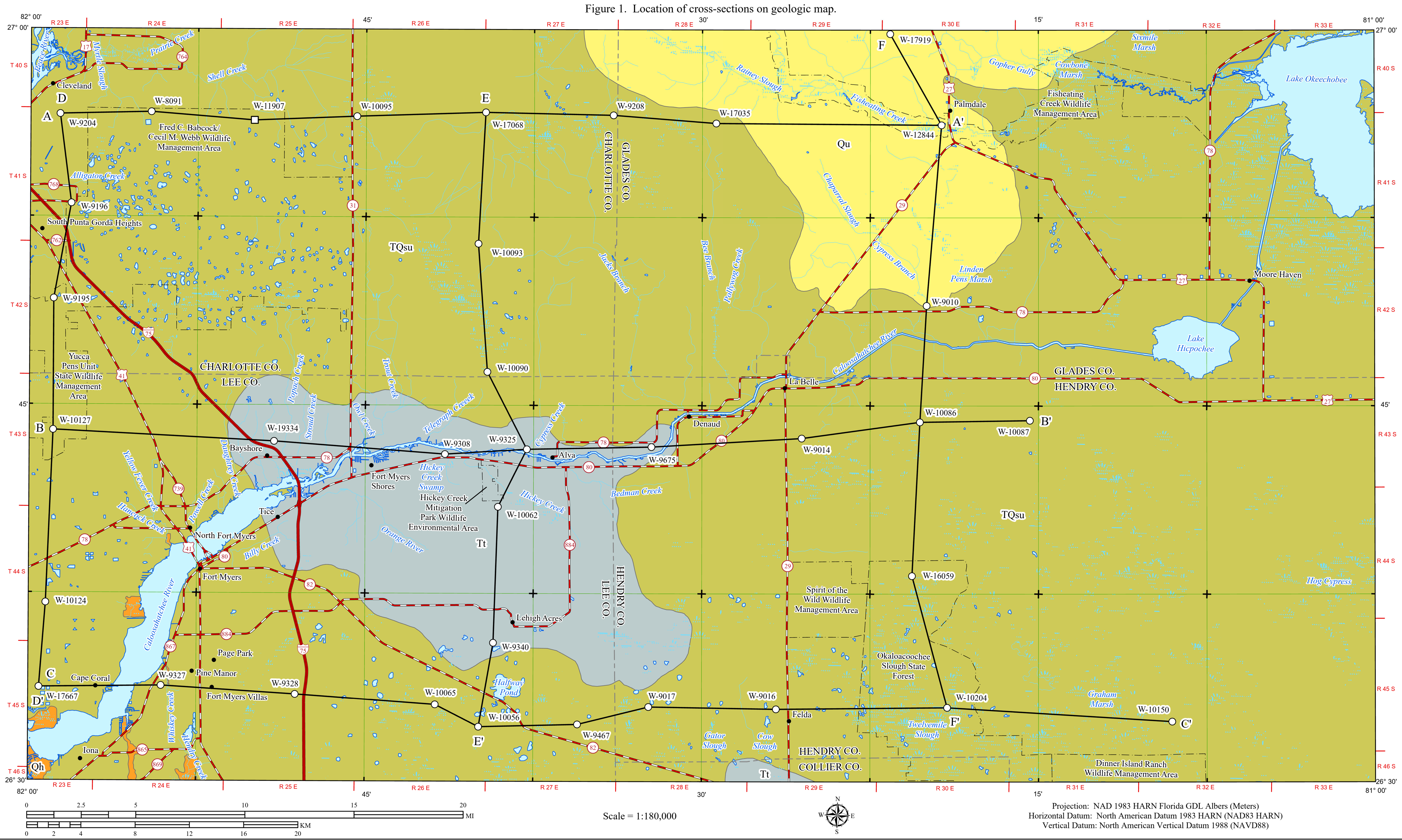
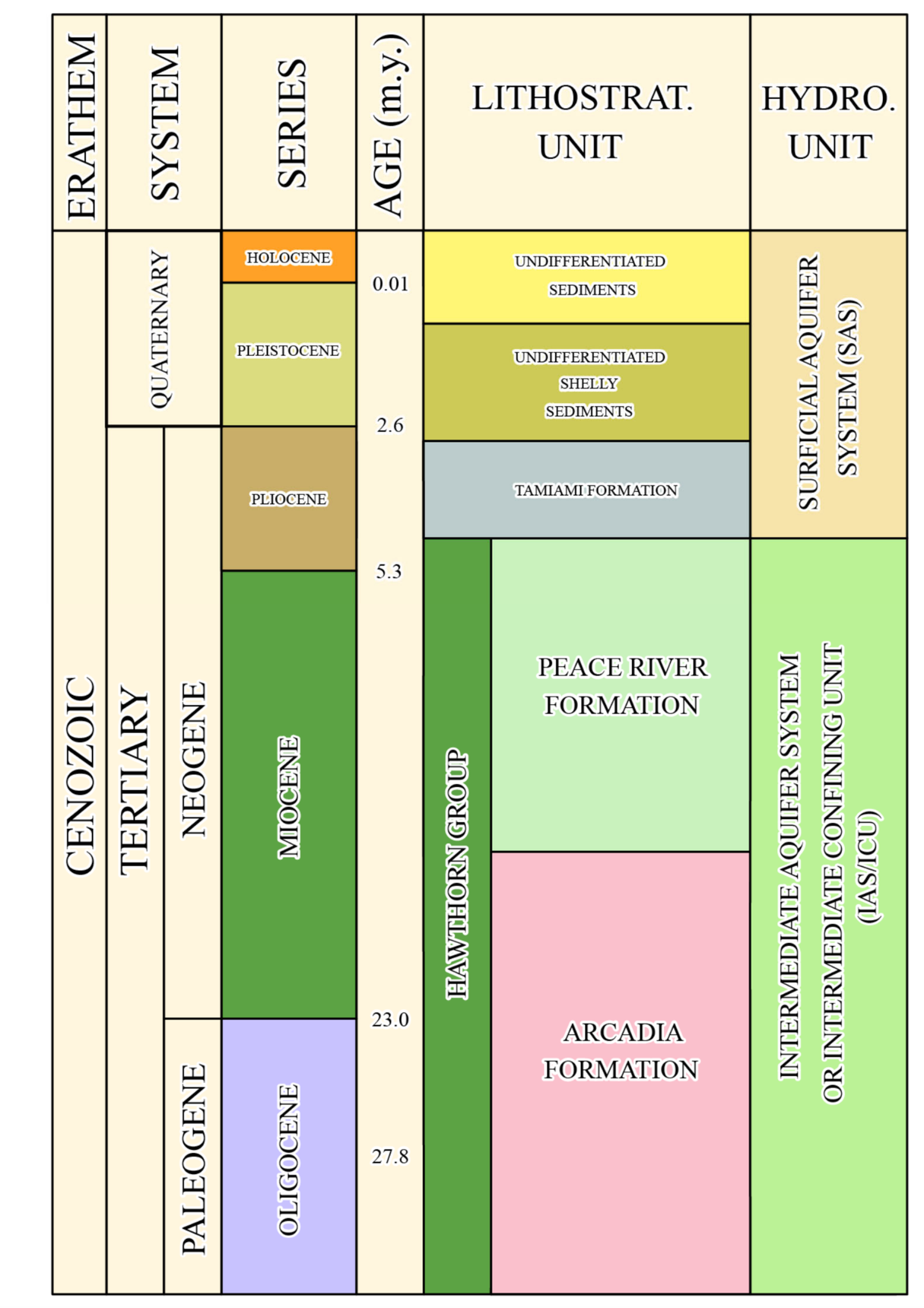
Figure 1. Location of cross-sections on geologic map.



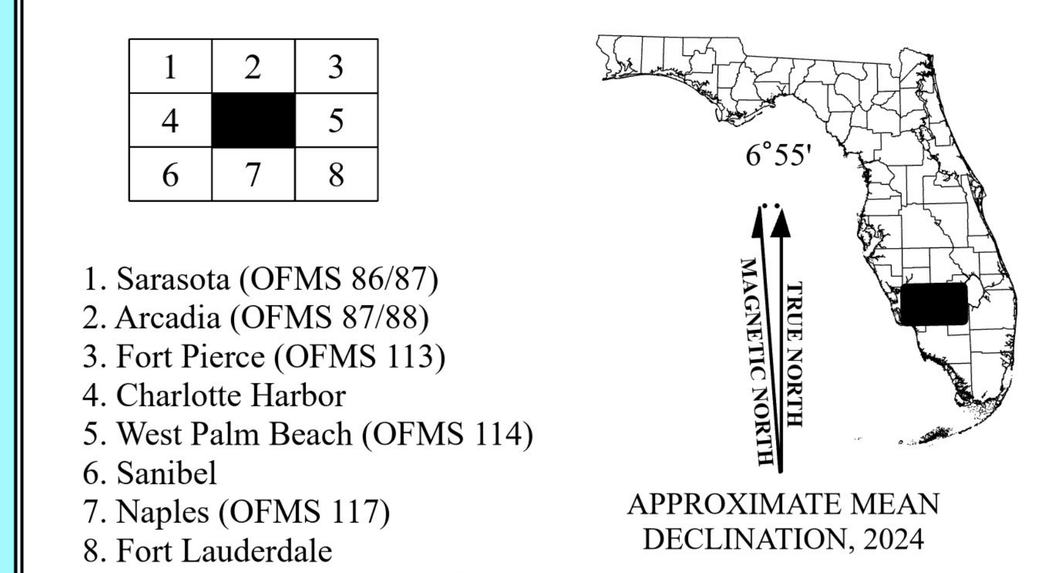
Scale = 1:180,000

Projection: NAD 1983 HARN Florida GDL Albers (Meters)
Horizontal Datum: North American Datum 1983 HARN (NAD83 HARN)
Vertical Datum: North American Vertical Datum 1988 (NAVD88)

Figure 2. Correlation of stratigraphic units.



ADJOINING MAPS



1. Sarasota (OFMS 86/87)
2. Arcadia (OFMS 87/88)
3. Fort Pierce (OFMS 113)
4. Charlotte Harbor
5. West Palm Beach (OFMS 114)
6. Sanibel
7. Naples (OFMS 117)
8. Fort Lauderdale
(to be mapped in 2025)

APPROXIMATE MEAN DECLINATION, 2024

1:24,000 QUADRANGLE GRID

CLEVELAND	BERMONT	TELEGRAPH SWAMP NW	TELEGRAPH SWAMP NE	LABELLE NW	PALMDALE	LAKEPORT	FISHEATING BAY
GILCHRIST	TUCKERS CORNER	TELEGRAPH SWAMP	TELEGRAPH SWAMP SE	LABELLE	GOODNO	LAKE HICPOCHEE	MOORE HAVEN
FORT MYERS NW	FORT MYERS	OLGA	ALVA	SEARS	FELDA NE	GRASSY MARSH	HOG CYPRESS
FORT MYERS SW	FORT MYERS SE	ALVA SW	ALVA SE	FELDA	FELDA SE	GRAHAM MARSH	DEVILS GARDEN SLOUGH

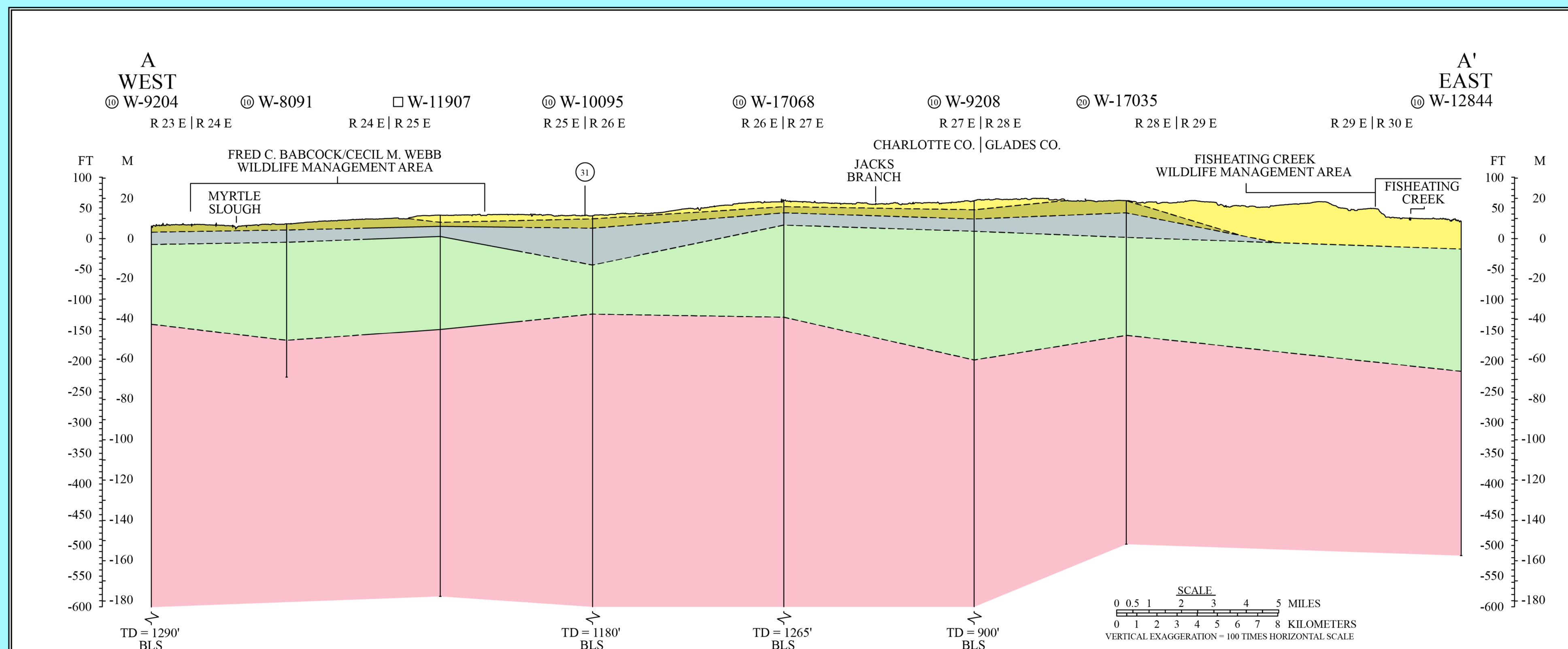
Refer to Open-File Report 113, Appendix A for borehole information

Refer to OFMS 116 Plate 1 for Geologic Map

Map Units	Description	Cross-Sections
Qh	Holocene sediments	Qh
Qu	Quaternary undifferentiated sediments	Qu
TQsu	Tertiary/Quaternary undiff. shelly sediments	TQsu
Tt	Tamiami Formation	Tt
Thp	Hawthorn Group, Peace River Formation	Thp
Tha	Hawthorn Group, Arcadia Formation	Tha

Cross-Sections Legend

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



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 number G22AC00572. 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:

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Tallahassee, FL 32303
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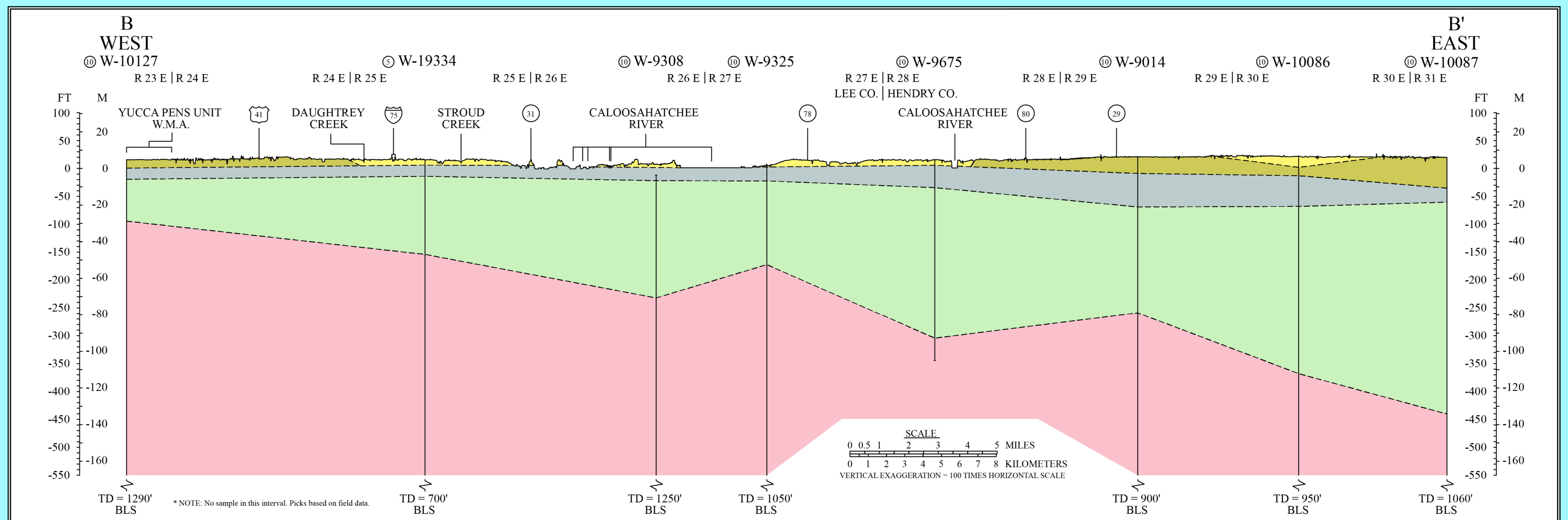
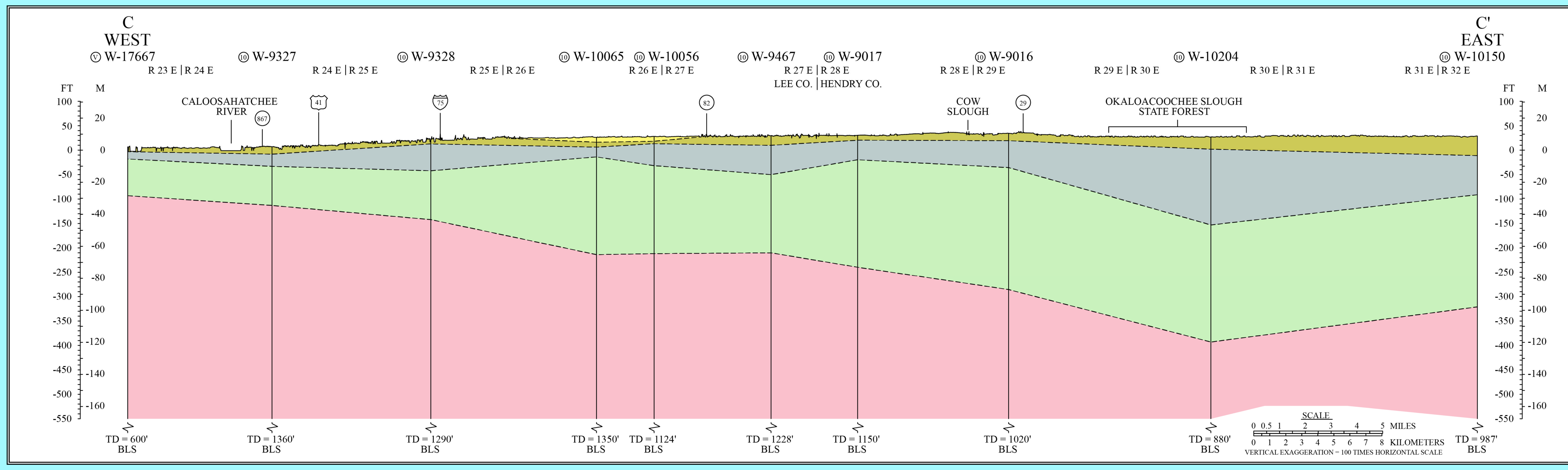
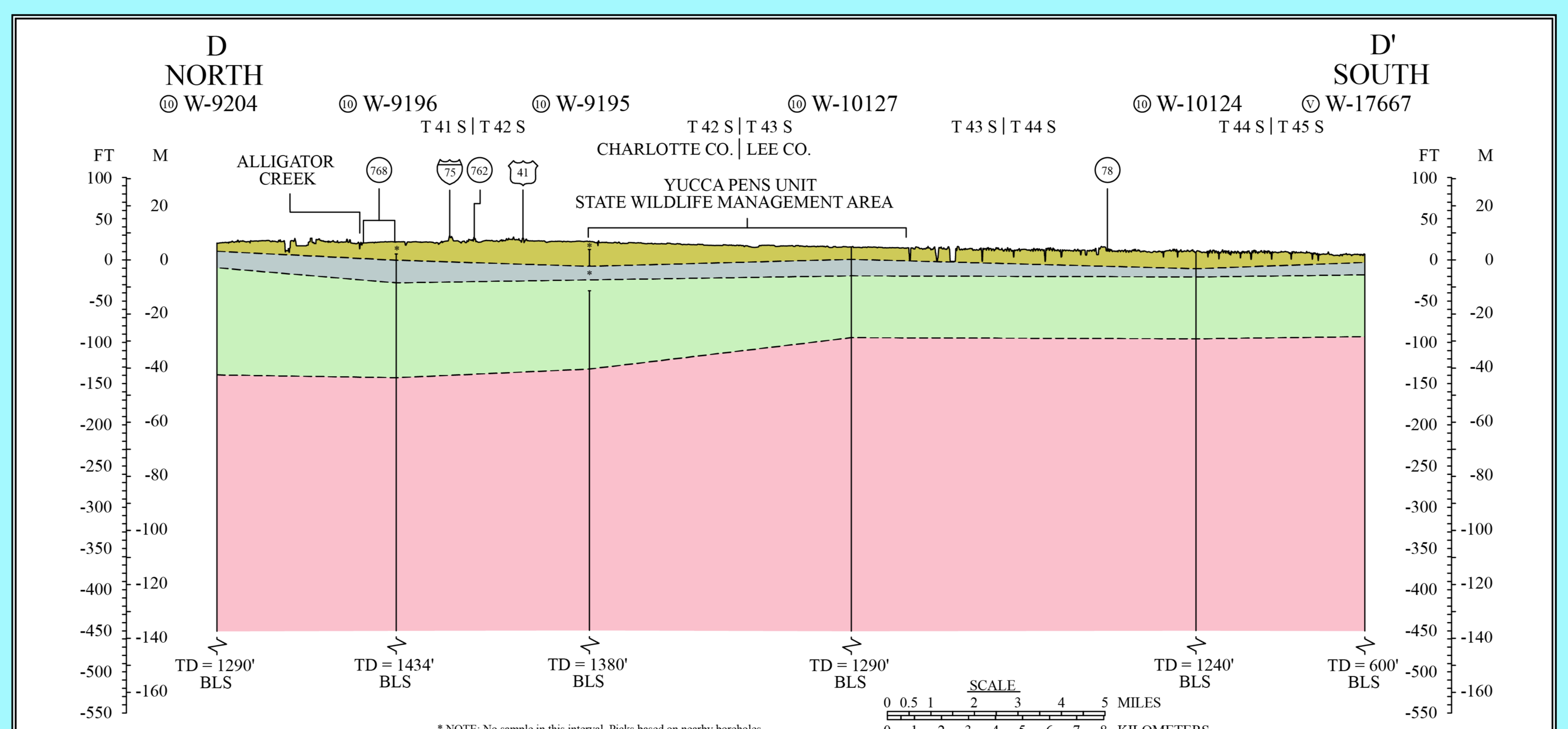
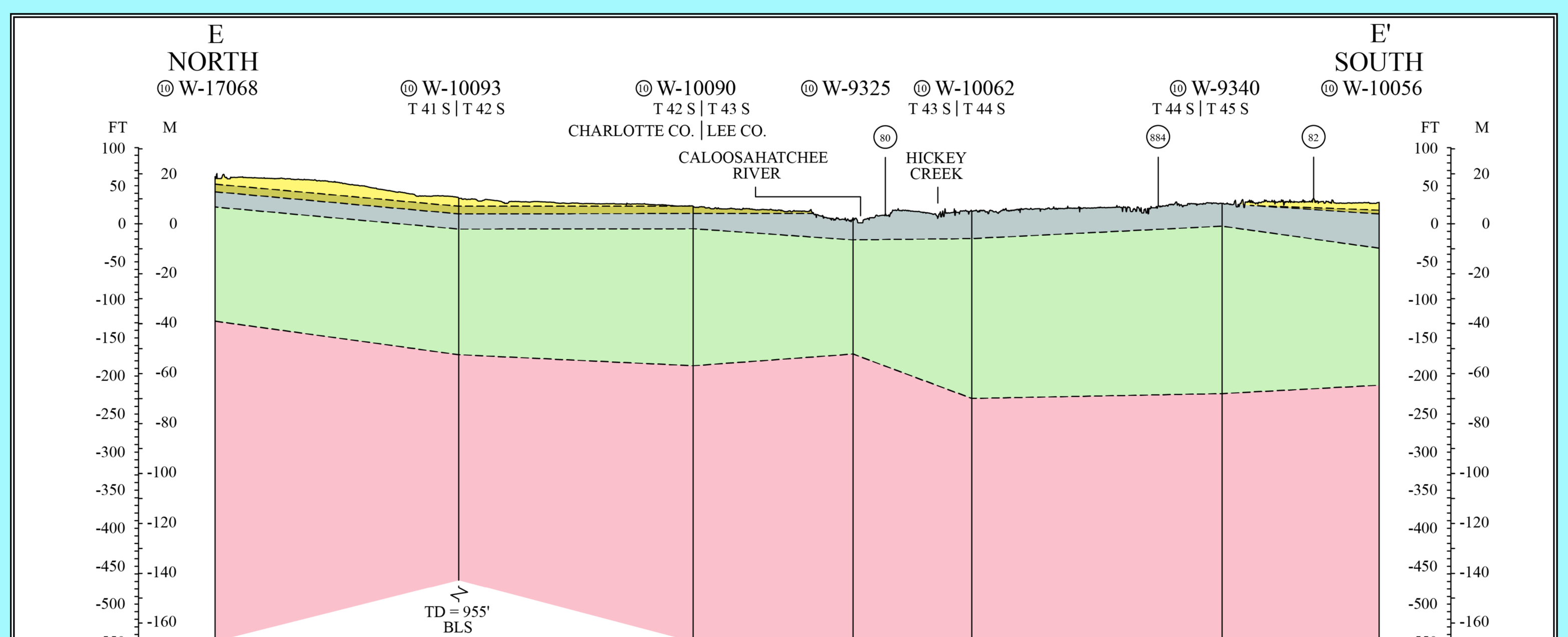
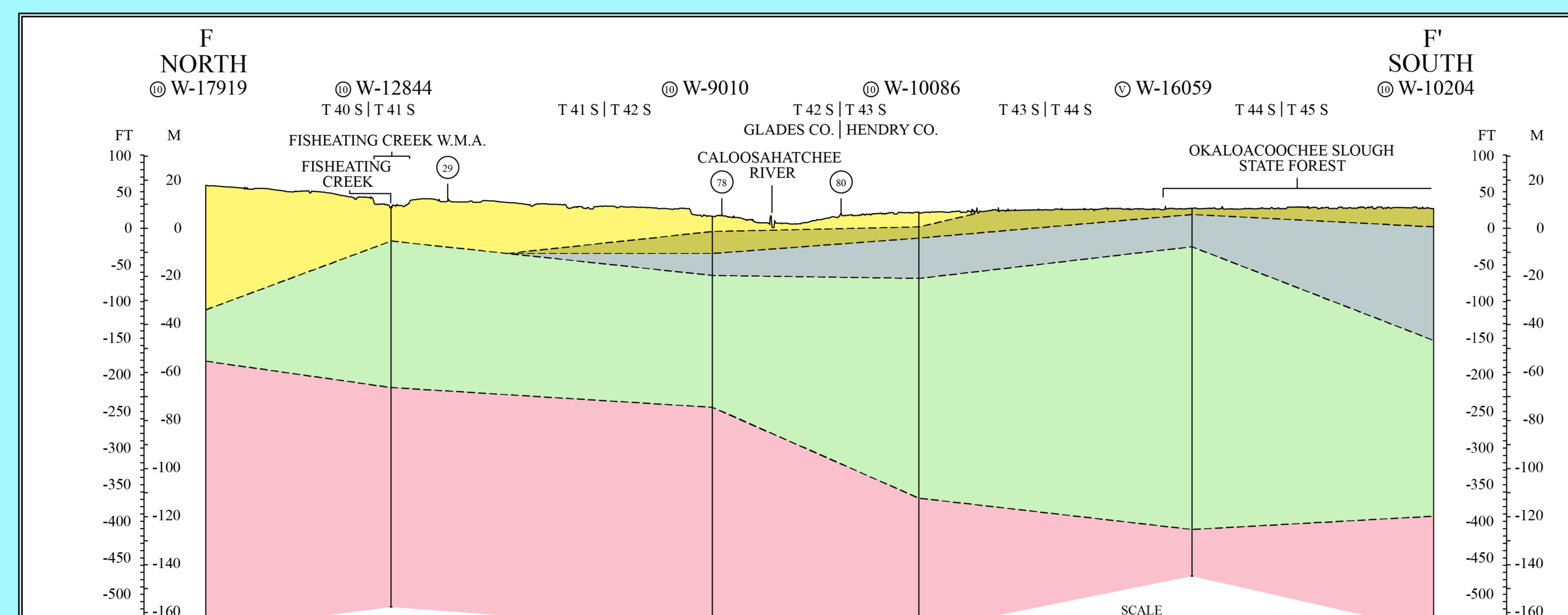
https://floridadep.gov/fgs/research/content/statemap











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