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

Jonathan P. Steverson
Secretary

OPEN-FILE MAP SERIES 107, Plate 2

GEOLOGIC CROSS-SECTIONS FOR THE USGS ORLANDO 30 X 60 MINUTE QUADRANGLE, CENTRAL FLORIDA

2015

BY

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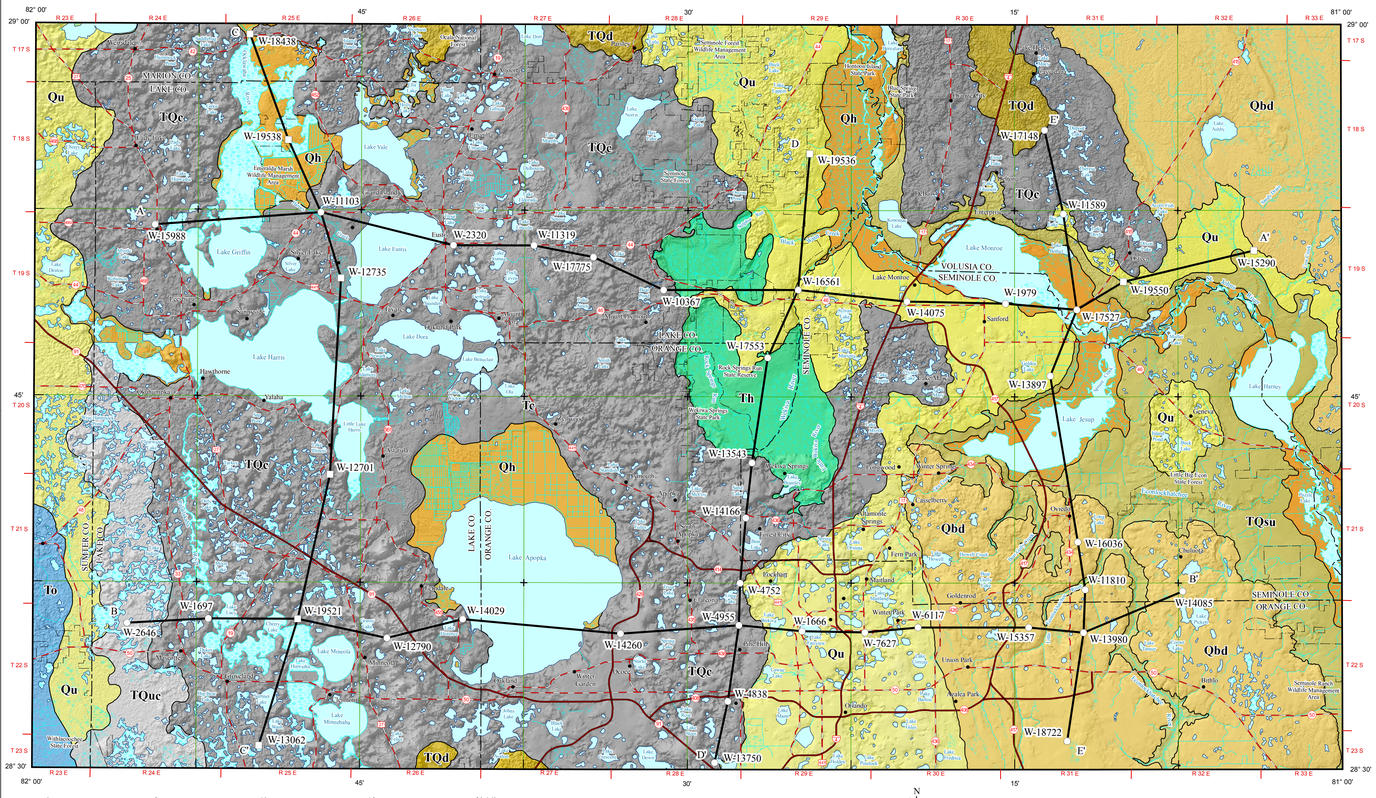
Figure 1. Location of cross-sections on geologic map.



Legend

Map Units

- Qh — Holocene Sediments
- Qbd — Quaternary Beach Ridge and Dune
- Qu — Undifferentiated Quaternary Sediments
- TQsu — Undiff. Pliocene/Pleistocene Shelly Sediments
- TQd — Tertiary/Quaternary Dunes
- TQuc — Undiff. Reworked Cypresshead Sediments
- TQc — Cypresshead Formation
- Th — Hawthorn Group, Undifferentiated
- To — Ocala Limestone
- Tap — Avon Park Formation

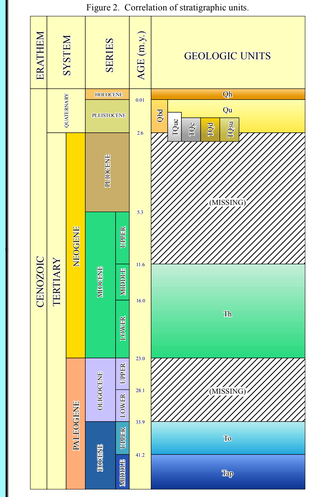
Cross-Sections

- Core
- Cuttings
- Cross-section line
- City
- County boundary
- USGS 1:24,000 Quadrangle
- Primary highway
- Secondary highway
- State park or reserve
- Water body
- Wetland
- River / stream

Cross-Sections Legend

- Contact
- Inferred contact
- TD — Total depth
- BLS — Below land surface
- Sample interval in feet
- Variable sample interval
- Roads

Figure 2. Correlation of stratigraphic units.



ADJOINING MAPS

1	2	3
4		6
7	8	9

1 Ocala
2 Daytona Beach
3 New Smyrna Beach
4 Inverness
5 Orlando
6 Titusville
7 Tarpon Springs
8 Kissimmee
9 Cape Canaveral

6°5'

TRUE NORTH
MAGNETIC NORTH

APPROXIMATE MEAN DECLINATION, 2015

1:24,000 QUADRANGLE GRID

LADY LAKE	GARRIS HILLAND	OMARILLA	PIERSLEY	PINE LAKES	ORANGE CITY	LAKE HELEN	LAKE ASHBY
LEESBURG WEST	LEESBURG EAST	FERTIG	SORRETTO	SANFORD NW	SANFORD	ORTEGA	ONETEA
CENTER HILL	BOWLING HILLS	ANNELLA	APOPKA	FOREST CITY	CASSELBERRY	OVIEDO	GENEVA
MASCOTTE	CLERMONT WEST	CLERMONT EAST	WINTER GARDEN	ORLANDO WEST	ORLANDO EAST	ONEIDA NW	BITHLO

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 wells, which can lead to apparent thicknesses between wells on the cross-section that are not supported by field evidence or other wells. For more information or to order maps contact Librarian:

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http://www.dep.state.fl.us/geology/statemap.htm/

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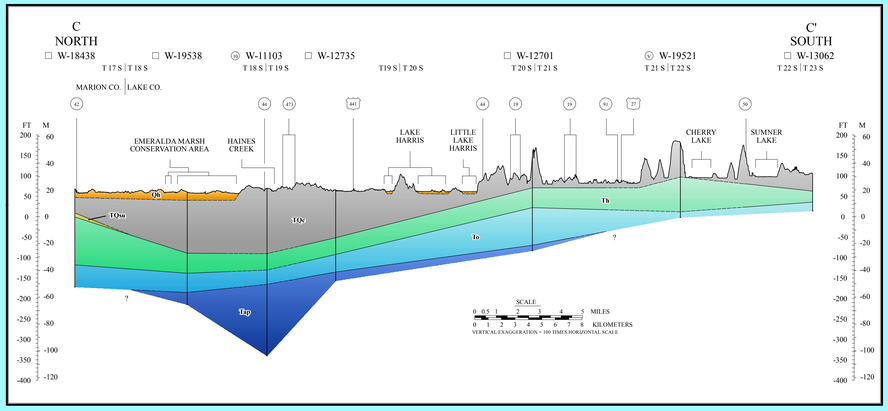
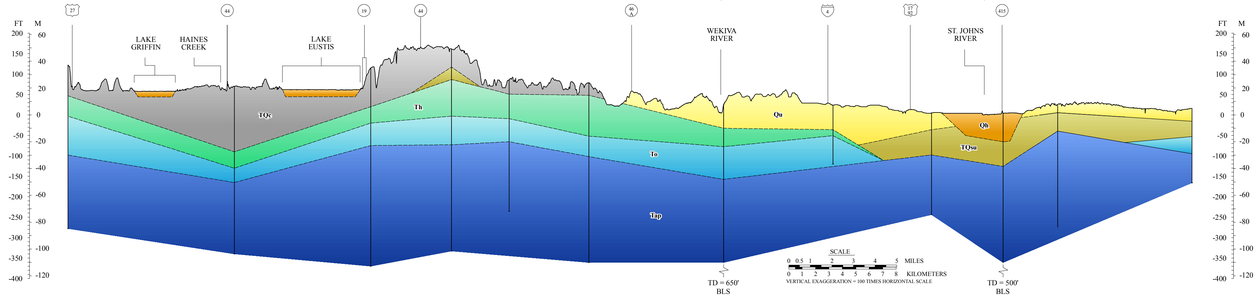
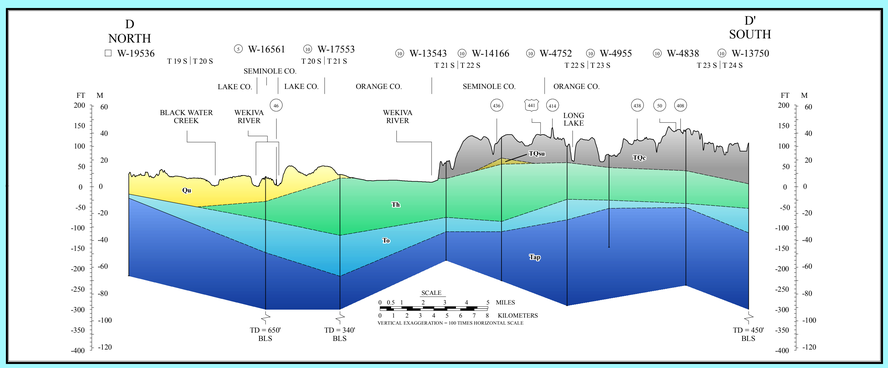
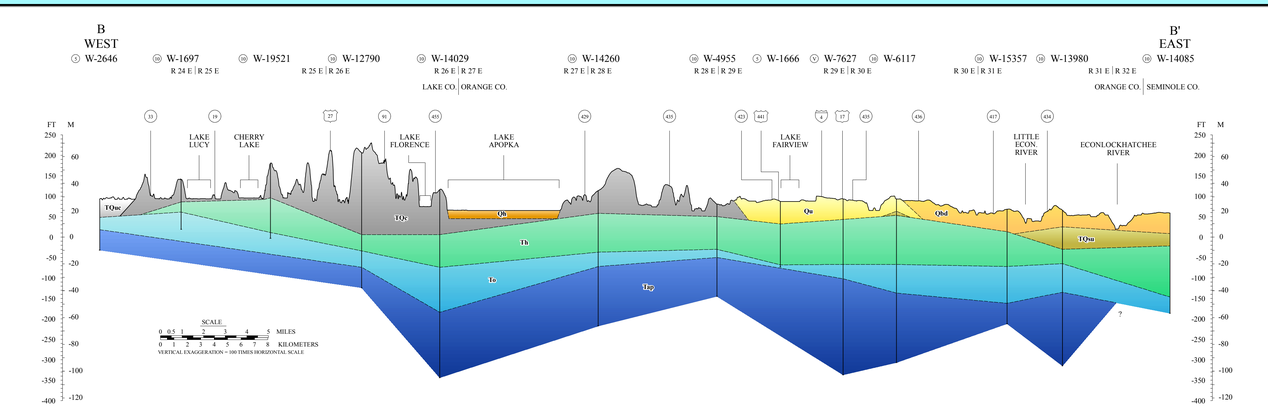








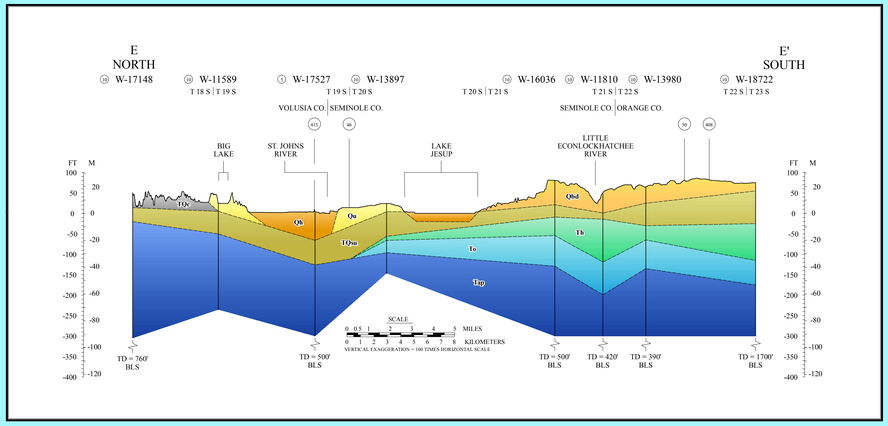
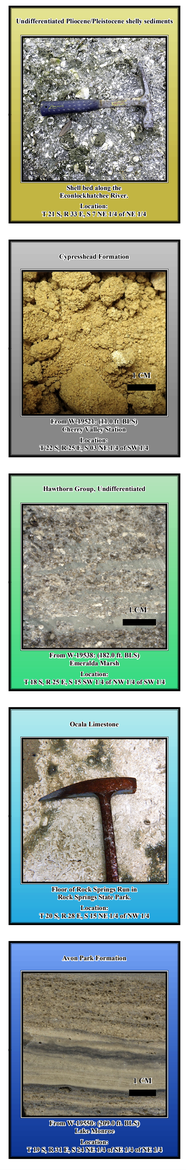


Figure 3. Selected Sample Photos



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