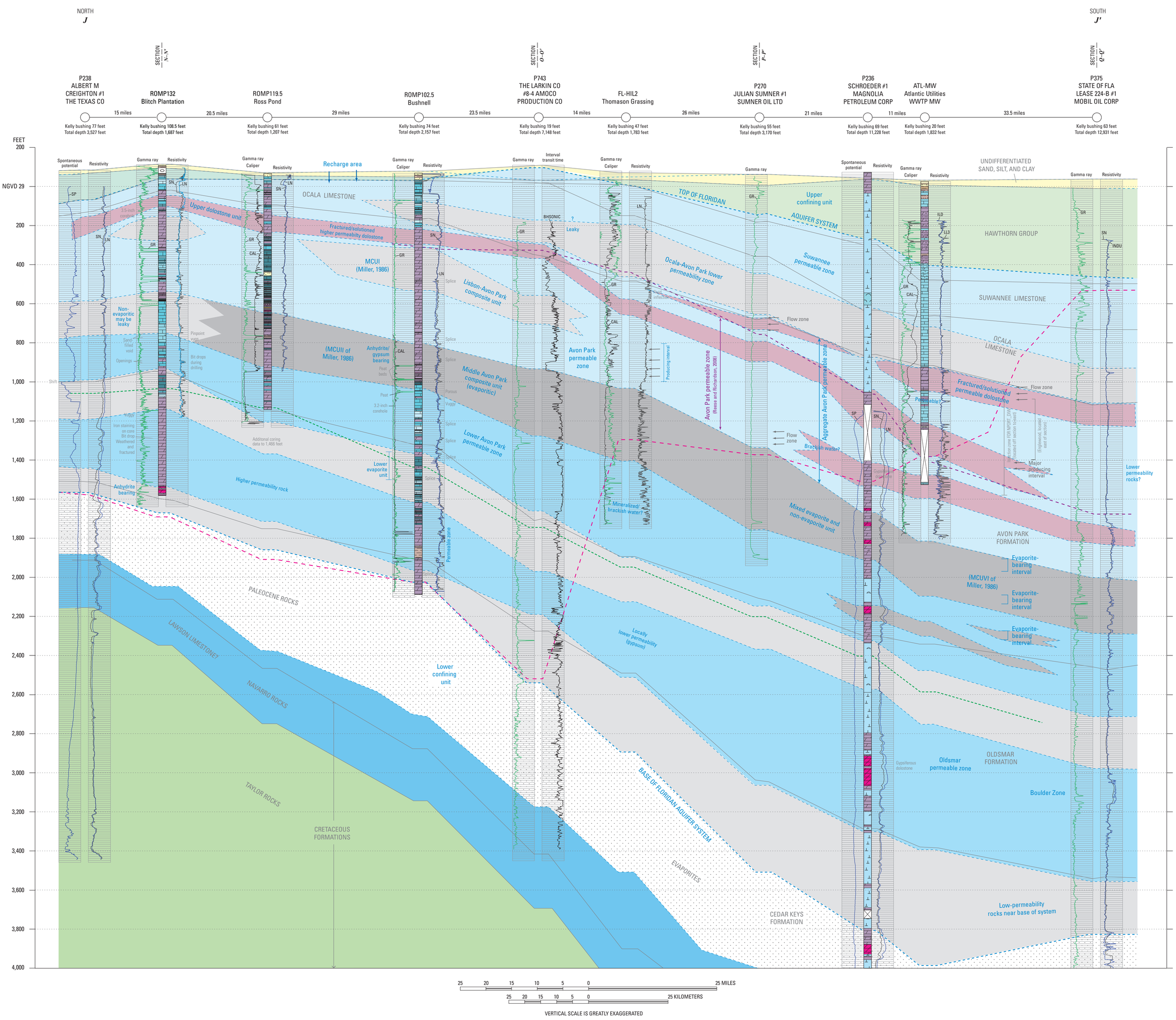

EXPLANATION

LITHOLOGY

Limestone
Grainstone
Packstone
Wackestone
Mudstone
Chalk
Coquina
No sample
Dolostone
Dolomitic limestone
Silt-sized dolostone
Anhydrite
Sand
Silt
Clay
Peat

ADDITIONAL SYMBOLOGY

Phosphate
Gypsum bearing
Chalk or chalky
Sandy
Clayey
Shells or shelly
Calcareous
Chert

HYDROGEOLOGIC UNITS OR PROPERTIES

Surficial aquifer system
Other aquifers and confining units
Aquifer
Confining unit
Upper confining unit of Floridan aquifer system
Floridan aquifer system
Upper Floridan aquifer
Lower Floridan aquifer
Leaky dolostone
Semiconfining
Confining

CONTACT

Hydrogeologic unit
Time-stratigraphic unit (Miller, 1986)
APPROXIMATE BOUNDARY OF 10,000-MILLIGRAMS-PER-LITER TOTAL DISSOLVED SOLIDS CONCENTRATION
GLAUCONITE MARKER

WELL AND GEOPHYSICAL LOGS

Well identifier, location, and drilling information: ROMP132 Blitch Plantation; Kelly bushing 108.5 feet; Total depth 1,687 feet
Log types: Gamma ray, Caliper, Resistivity
Lithology
Geophysical logs
BHSONIC, borehole compensated sonic log
CAL, caliper
GR, gamma-ray log
ILD, induction log deep
INDU, induction log
LL3, laterolog 3
LN, long-normal resistivity
SN, short-normal resistivity
SP, spontaneous potential
Flow zone in well

Generalized Hydrogeologic Cross Section *J–J′* from Alachua County to Charlotte County, Florida

By
Lester J. Williams and Eve L. Kuniansky

2015

Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Digital files available at *http://pubs.usgs.gov/pp/1807/*.

Suggested citation: Williams, L.J., and Kuniansky, E.L., 2015, Revised hydrogeologic framework of the Floridan aquifer system in Florida and in parts of Georgia, Alabama, and South Carolina: U.S. Geological Survey Professional Paper 1807, 140 p., 23 pls., *http://dx.doi.org/10.3133/pp1807*.

ISSN 2330–7102 (online)