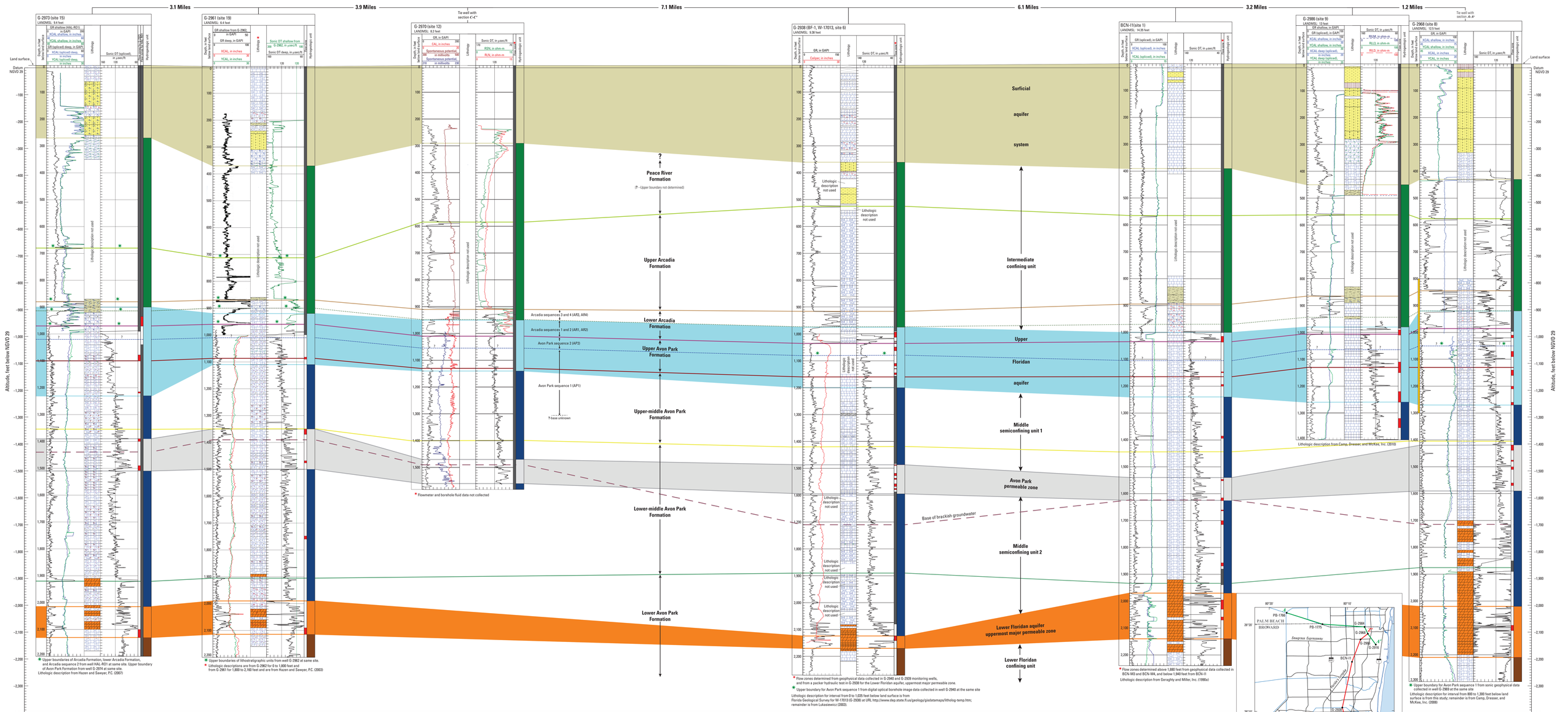

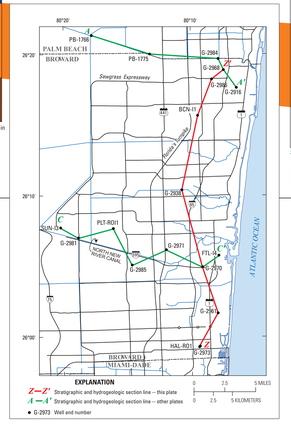

EXPLANATION

Hydrogeologic unit

- Surficial aquifer system
- Intermediate confining unit
- Upper Floridan aquifer
- Middle semiconfining unit
- Avon Park permeable zone
- Lower Floridan aquifer uppermost major permeable zone
- Lower Floridan aquifer confining unit

Lithostratigraphic and sequence stratigraphic unit upper boundaries

- Arcadia Formation
- Lower Arcadia Formation
- Arcadia sequences 1 and 2
- Avon Park Formation
- Avon Park sequence 1– ? Indicates depth is less certain because well does not have borehole geophysical image log data
- Upper middle Avon Park Formation
- Lower middle Avon Park Formation
- Lower Avon Park Formation

Salinity boundary

- Base of brackish groundwater

LANDMSL Altitude of land surface, in feet above National Geodetic Vertical Datum of 1929 (NGVD 29).

Primary lithology

Quartz sand; Quartz sandstone; Siltstone; Clay; Claystone; Grainstone; No sample; Limestone; Lime mudstone; Wackestone; Packstone; No data or lithologic description not used; Shell bed; Dolomite; Floatstone

Drilled-cuttings samples described in this study by R.S. Reese—Shown in depth-track of well

Accessory lithologic components or modifiers

Sandy; Silty; Clayey; Calcareous; Chert; Phosphatic; Sucrosic; Fossils or fossiliferous; Vuggy porosity; Pellets or pelletal; Crystalls or crystalline; Dolomitic; Moldic porosity

Flow zones evaluated in open hole intervals using borehole flowmeter and fluid properties geophysical data and shown in the flow zones column

- Interval not evaluated for flow
- Open hole interval over which no flow zones were identified
- Flow zone interpreted from borehole flowmeter and fluid properties geophysical data
- Open hole interval over which no flow zones were identified
- Deeper interval not evaluated for flow

Open hole interval over which flow was evaluated

EXPLANATION FOR BOREHOLE GEOPHYSICAL DATA CURVES

Abbreviation for geophysical tool or device	Description	Unit of measure	Description
CAL	Caliper	in.	Inch
GR (spliced)[1]	Gamma ray	GAPI	American Petroleum Institute Standard Units
RLN[2]	Resistivity long normal (AM electrode spacing = 64 inches)	ohm-m	Ohm-meter
RSN[2]	Resistivity short normal (AM electrode spacing = 16 inches)	ohm-m	Ohm-meter
RILD[3]	Resistivity induction deep (Deep radius of investigation)	ohm-m	Ohm-meter
RILM[3]	Resistivity induction medium (Medium radius of investigation)	ohm-m	Ohm-meter
RILS[3]	Resistivity latertolog 3 (Shallow focused resistivity)	ohm-m	Ohm-meter
Sonic DT	Sonic interval transit time or delta t (compensated)	µsec/ft	Microseconds per foot
SP or ES	Spontaneous potential	mV	Millivolts
XCAL, YCAL	X-caliper and Y-caliper (both on same tool and 90 degrees apart)	in.	Inch

[1](spliced) indicates more than one data collection interval is included. If intervals overlap, splicing was done at the deepest depth of the upper interval.
[2]Devices run on electrical resistivity tool.
[3]Devices run on dual-induction and shallow resistivity tool.

Stratigraphic and Hydrogeologic Cross Sections *Z–Z′*

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