

WELL SCHEDULE

SITE NAME 14FF26 OTHER IDENTIFIER City Park 14FF26 WELL NUMBER 335734083584701Latitude 33° 57' 33.97" Longitude -83° 58' 44.76" Ground Elevation 993.39 NGVD 29OWNER City of Lawrenceville Casing Elevation 996.14 NGVD 29

WELL CONSTRUCTION DESCRIPTION

Name of Aquifer: metamorphic - crystalline rock

TYPE OF DRILLING

Rotary Total Depth 380
 Percussion Static Water Level (bls)
 Bored pumping in wellfield

DRILL HOLE DIAMETER

Size in, from 0 ft to 33 ft
 Size 6 in, from 33 ft to 380 ft
 Size in, from ft to ft

CASING RECORD

Type material steel
 Size 6 in, from 0 ft to 33 ft
 Size in, from ft to ft
 Size in, from ft to ft

WELL SCREEN

Type material open hole
 Size in, from ft to ft
 Size in, from ft to ft
 Size in, from ft to ft

Date drilled March 1995Driller USGSGROUTING YES NOType cement groutFrom 0 ft to 33 ftFrom ft to ftFrom ft to ft

TEST PUMP DATA

Pumped Bailed Estimated Date tested Pump rated gal/min HPTest yield gal/min After hrsWater level before test ft btocDrawdown ftSpecific Capacity gal/min/ft

Altitudes are in reference to NGVD 29

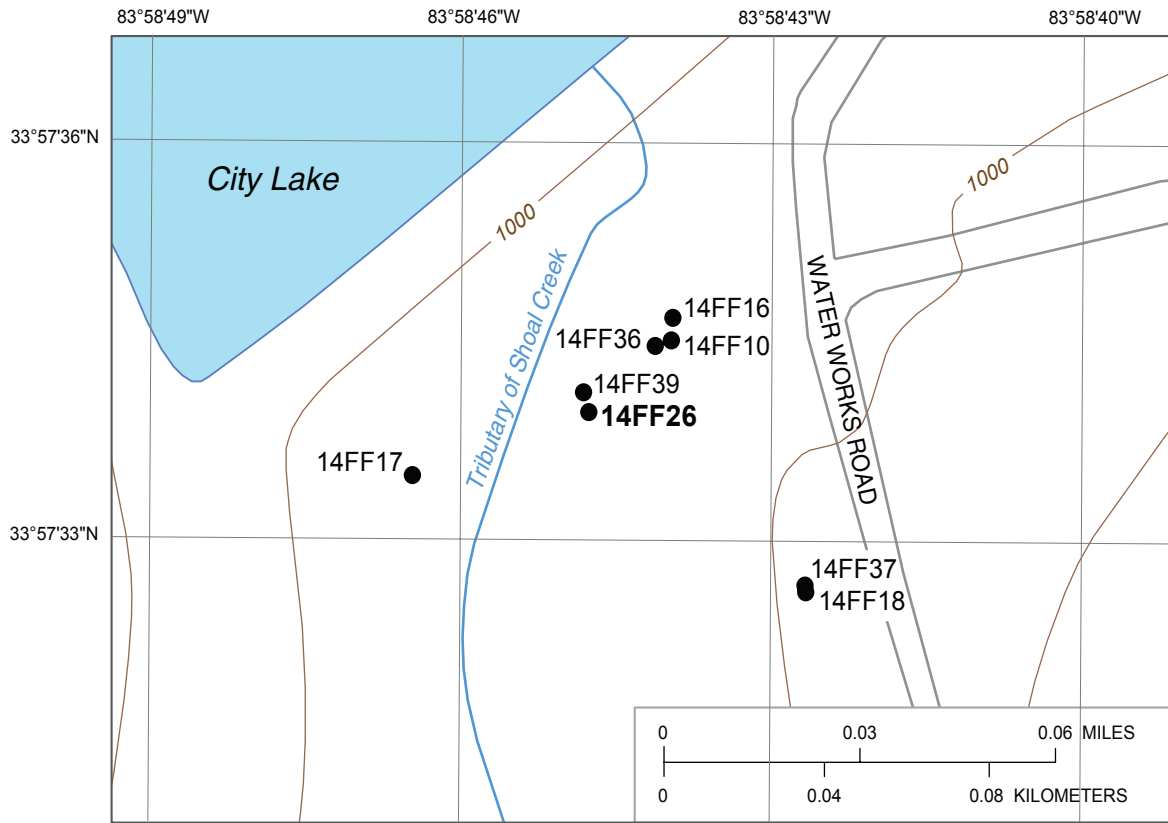
Latitude/longitude in NAD 83

Depths are in feet below land surface (bls)

Feet below top of casing (ft btoc)

Comments: Originally cored by USGS and later reamed out to 6-inch open hole well, core logged byT. Crawford

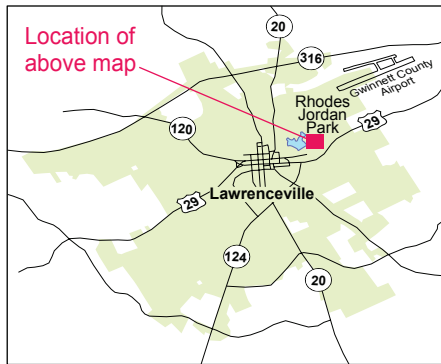
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Base from U.S. Geological Survey 1:24,000-scale, Luxomni Roads from City of Lawrenceville 1999 digital data

EXPLANATION

- **14FF26** Observation well and site name

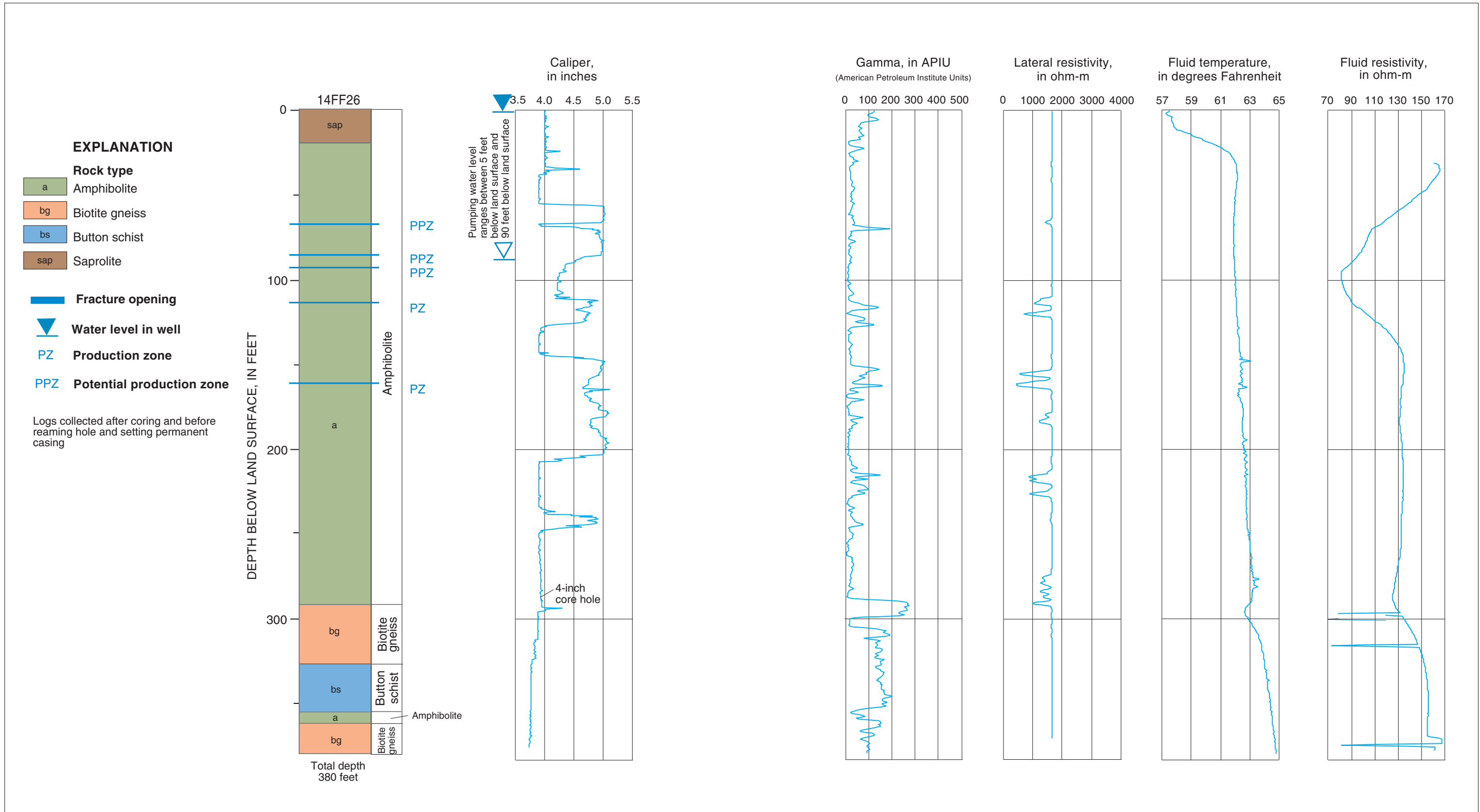


Geophysical log files for well 14FF26 [contained on CD in Supplemental_data\log_archive\logs.zip; ft bls, feet below land surface]

File name	Type	Date	Start depth (ft bls)	Stop depth (ft bls)
14FF26.19971218.ZE01	Combination Tool ¹	12/18/97	-0.5	379.7
14FF26.19971218.ZE02	Combination Tool ¹	12/18/97	-0.5	381.4
14FF26.20000502.AT01	Acoustic Televiwer ²	5/2/00	110.4	318.8
14FF26.19950328.CT01	Caliper, Three Arm	3/28/95	0	376.5
14FF26.19950328.CT02	Caliper, Three Arm	3/28/95	0	377.6
14FF26.20000501.CT01	Caliper, Three Arm	5/1/00	2.2	322.7
14FF26.19950328.FR01	Fluid Resistivity	3/28/95	30.5	378
14FF26.19950328.FT01	Fluid Temperature	3/28/95	0	379.5
14FF26.19950328.EF01	Focused Resistivity	3/28/95	0	371
14FF26.19950328.NGO1	Gamma	3/28/95	0	379.5
14FF26.19971218.ZI01	Gamma and EM Induction	12/18/97	-0.5	369.1
14FF26.19950328.EL01	Long-normal Resistivity	3/28/95	40	379
14FF26.19950328.ES01	Short-normal Resistivity	3/28/95	40	379
14FF26.19950328.EP01	Spontaneous Potential	3/28/95	40	379

^{1/} Includes gamma, long/short normal resistivity, spontaneous potential, single-point resistance, fluid resistivity, and temperature

^{2/} Does not include trace data, original log is provided in Century binary format under the same file name with extension ".log"



Lithology and borehole geophysical logs for well 14FF26 (Rhodes Jordan Wellfield), Lawrenceville, Georgia.

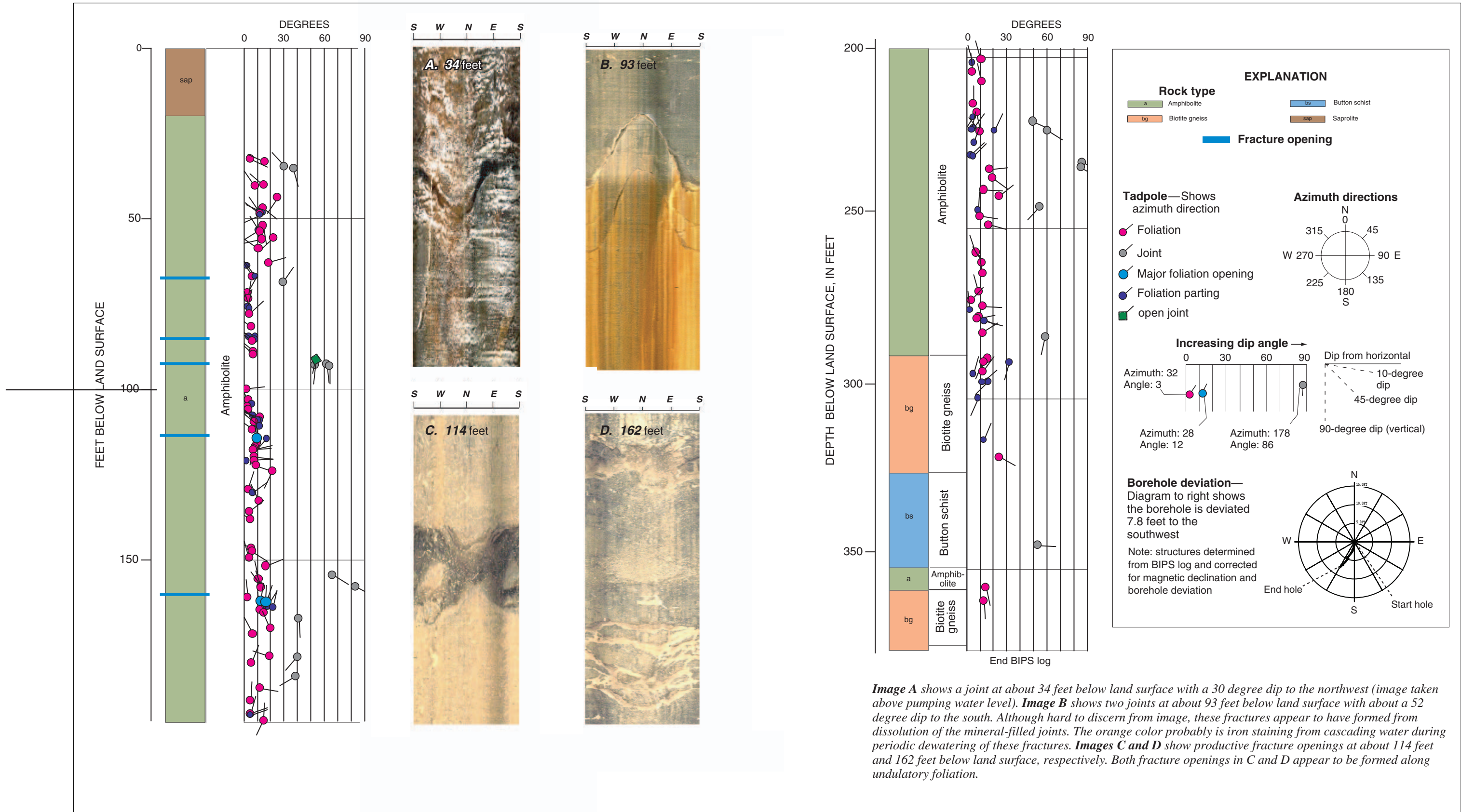


Image A shows a joint at about 34 feet below land surface with a 30 degree dip to the northwest (image taken above pumping water level). *Image B* shows two joints at about 93 feet below land surface with about a 52 degree dip to the south. Although hard to discern from image, these fractures appear to have formed from dissolution of the mineral-filled joints. The orange color probably is iron staining from cascading water during periodic dewatering of these fractures. *Images C and D* show productive fracture openings at about 114 feet and 162 feet below land surface, respectively. Both fracture openings in C and D appear to be formed along undulatory foliation.

Structural tadpole plot and BIPS images for well 14FF26 (Rhodes Jordan Wellfield), Lawrenceville, Georgia.