

WELL SCHEDULE

SITE NAME 14FF56 OTHER IDENTIFIER Papermill Road WELL NUMBER 335712083574101Latitude 33° 57' 12.09" Longitude -83° 57' 41.11" Ground Elevation 936.3 NGVD 29OWNER City of Lawrenceville Casing Elevation 937.86 NGVD 29

WELL CONSTRUCTION DESCRIPTION

Name of Aquifer: metamorphic - crystalline rock

TYPE OF DRILLING

Rotary Total Depth 600
 Percussion Static Water Level (bls)
 Bored 7.29 @

10/31/2001 2:59:00 PM

DRILL HOLE DIAMETER

Size 8 in, from 0 ft to 25 ft
 Size 6 in, from 25 ft to 600 ft
 Size _____ in, from _____ ft to _____ ft

CASING RECORD

Type material PVC
 Size 6 in, from 0 ft to 25 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 4/17/2001 4/18/2001Driller Middle Georgia Water SystemsGROUTING YES NOType bentoniteFrom 0 ft to 25 ft

From _____ ft to _____ ft

From _____ ft to _____ ft

TEST PUMP DATA

Pumped Bailed _____Estimated 60 (air-lift yield)Date tested 12/5/2002Pump rated 40 gal/min 5 HPTest yield 46.0 gal/min After 3.5 hrsWater level before test 8.75 ft btocDrawdown 14.25 ftSpecific Capacity 3.2 gal/min/ft

Pumped during EM flowmeter test

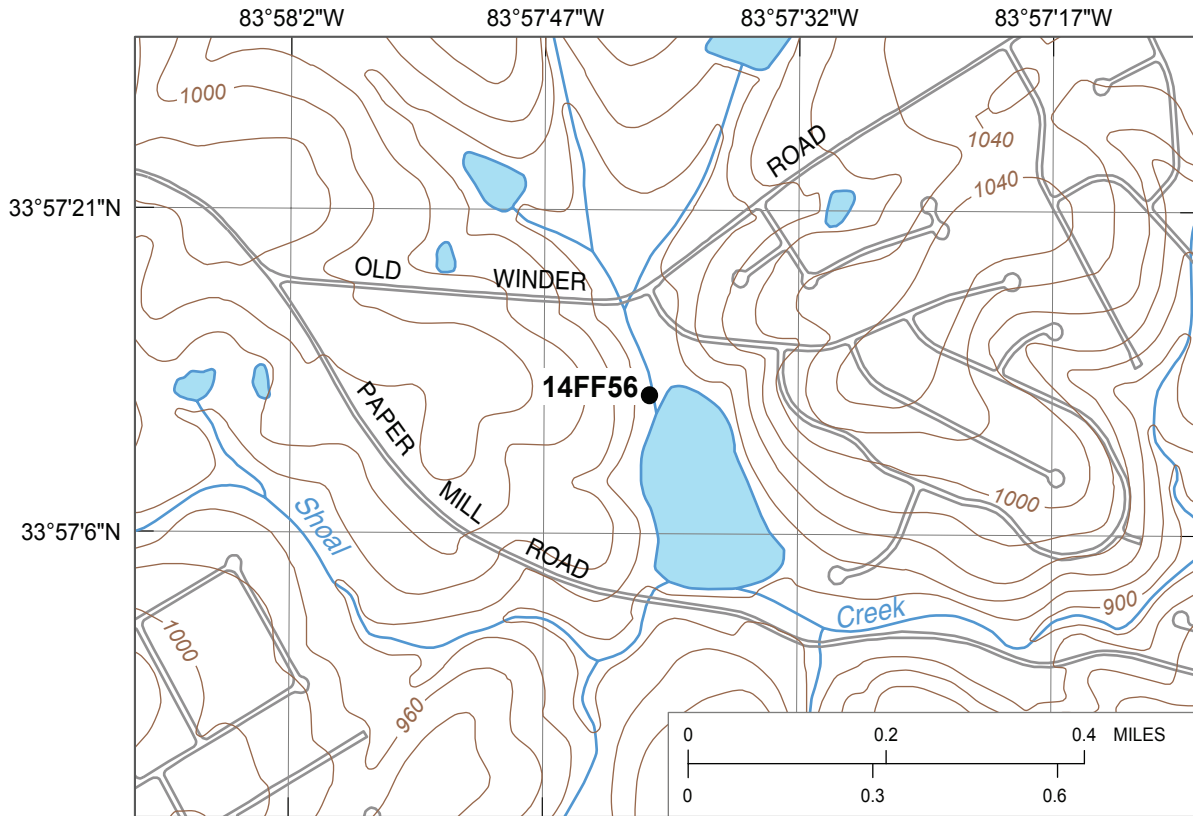
Altitudes are in reference to NGVD 29

Latitude/longitude in NAD 83

Depths are in feet below land surface (bls)

Feet below top of casing (ft btoc)

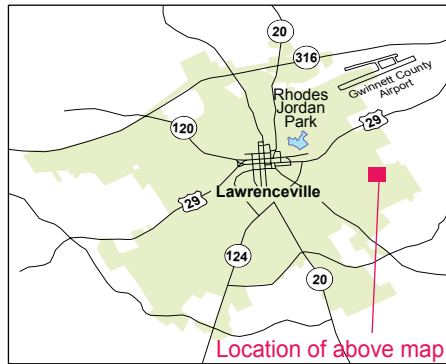
Comments: Test hole drilled 4/17-18/2001 and logged by L.J. Williams and D.M. Crilley; major water-bearing fractures at 43.5-44.5', 57.5-58.5', 138-139'



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

EXPLANATION

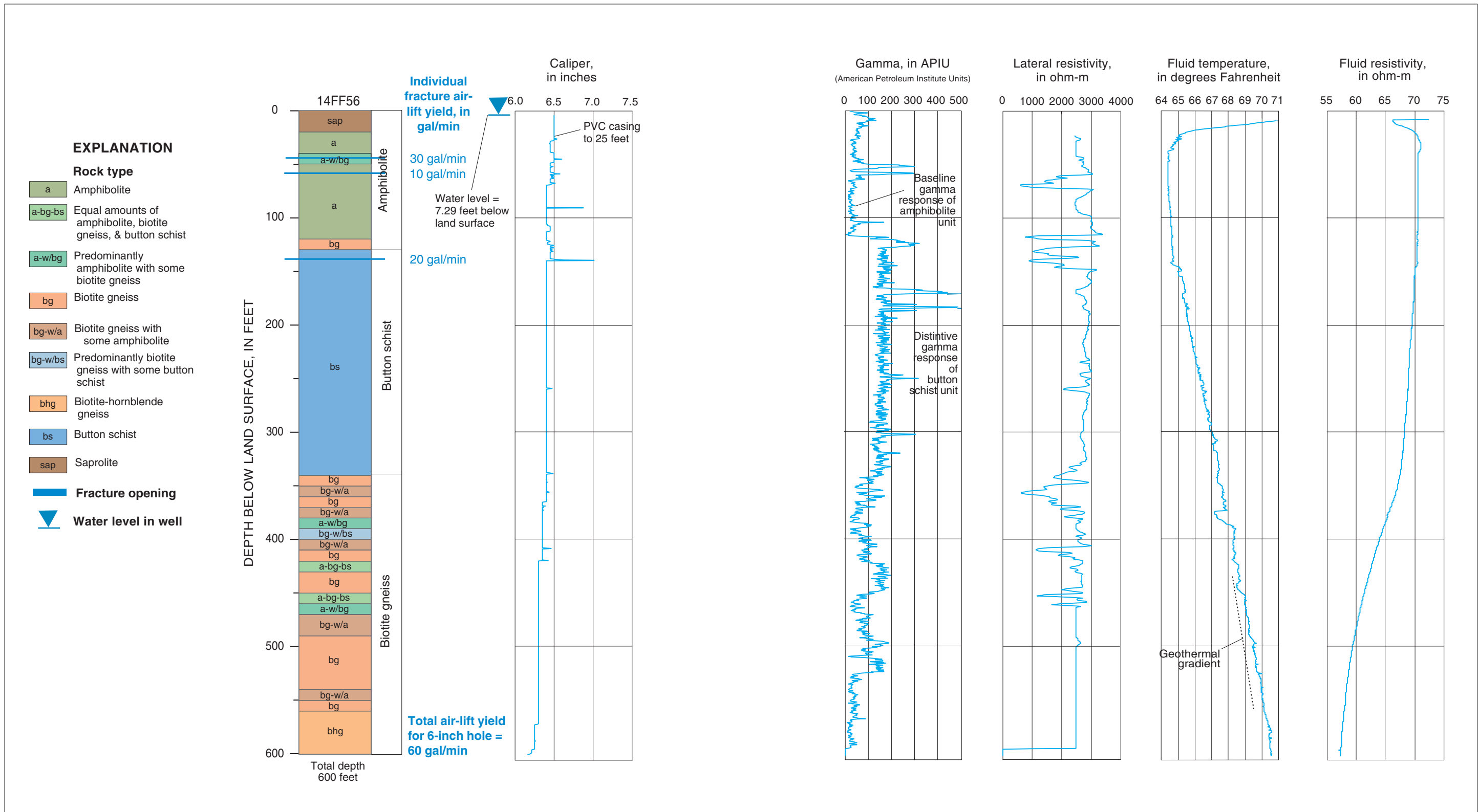
14FF56 ● Observation well and site name



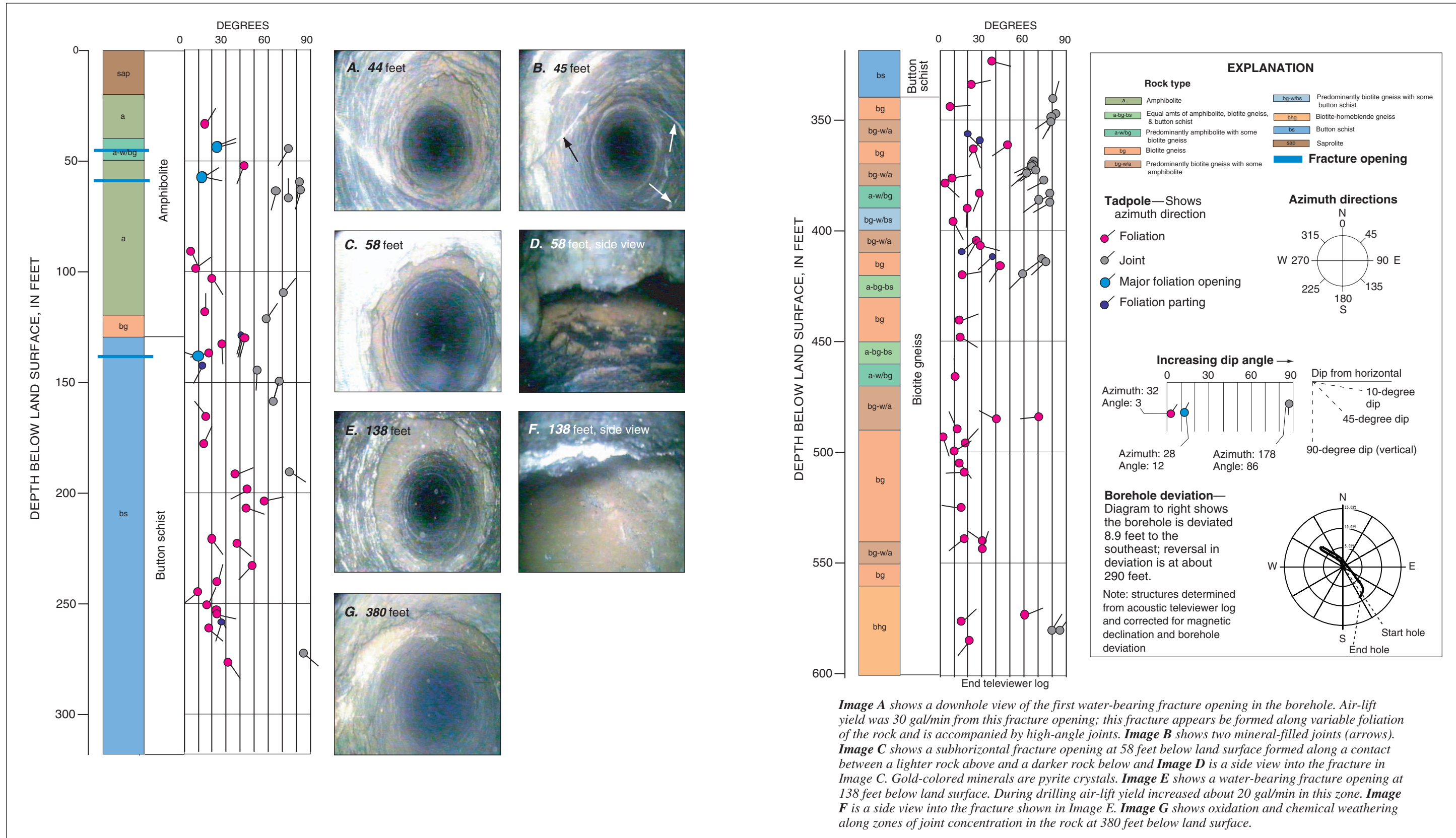
Geophysical log files for well 14FF56 [contained on CD in Supplemental_data\log_archive\logs.zip; ft bls, feet below land surface]

File name	Type	Date	Start depth (ft bls)	Stop depth (ft bls)
14FF56.20010725.ZE01	Combination Tool ¹	7/25/01	-0.8	600
14FF56.20011116.AT01	Acoustic Televiwer ²	11/16/01	26.55	600
14FF56.20010725.CT01	Caliper, Three Arm	7/25/01	3.1	600
14FF56.20010725.ZI01	Gamma and EM Induction	7/25/01	-1.2	599.8
14FF56.20010806.FH01	Heat-pulse Flowmeter	8/6/01	15	600
14FF56.20011205.FEI01	Interpreted EM Flowmeter	12/5/01	42.4	265.9
14FF56.20011205.FEI02	Interpreted EM Flowmeter	12/5/01	34.2	53.2

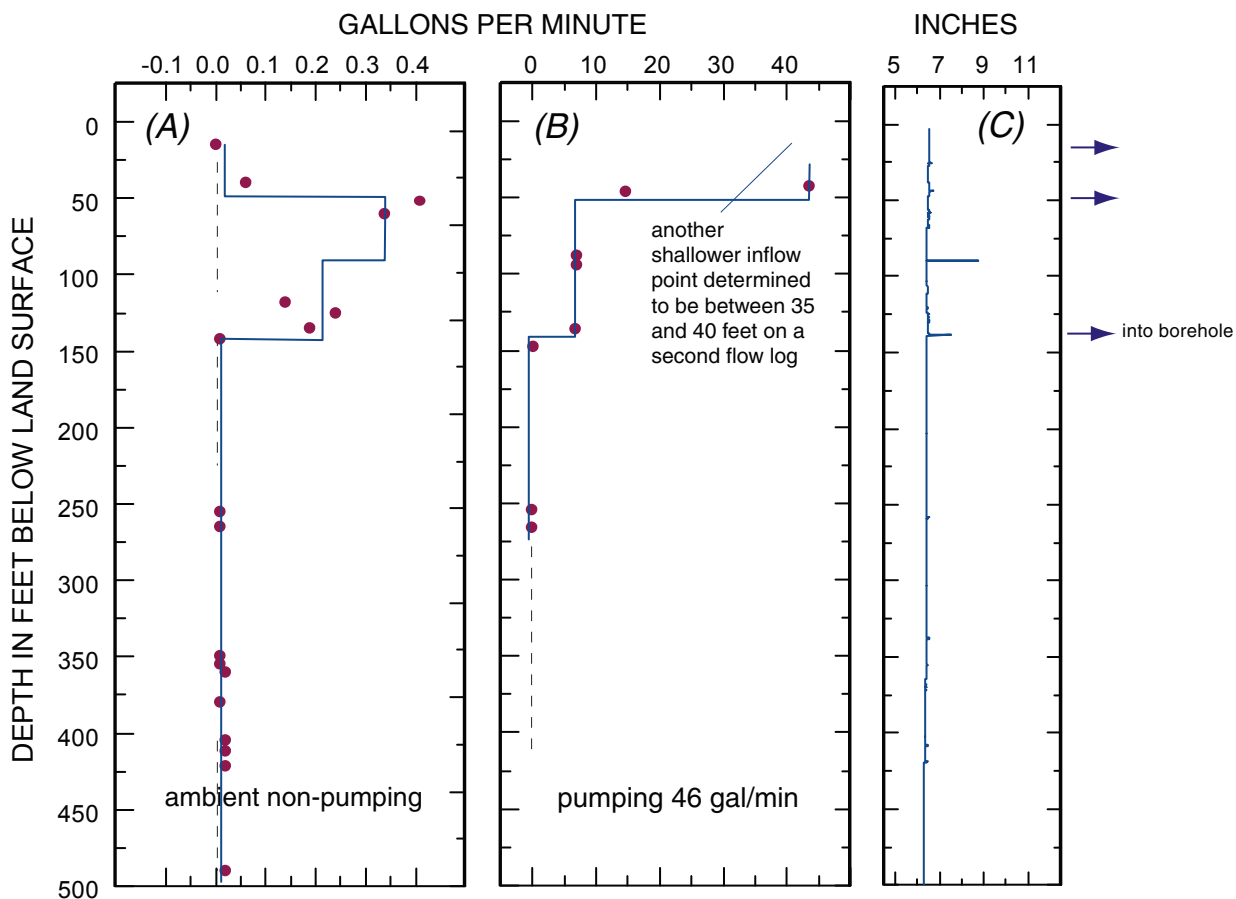
^{1/} Includes gamma, long/short normal resistivity, spontaneous potential, single-point resistance, fluid resistivity, and temperature
^{2/} Does not include trace data, original log is provided in Century binary format under the same file name with extension ".log"



Lithology and borehole geophysical logs for well 14FF56 (Papermill Road well), Lawrenceville, Georgia.



Structural tadpole plot and downhole camera images for well 14FF56 (Papermill Road well), Lawrenceville, Georgia.



Flowmeter logs from well 14FF56 showing (A) flow in borehole under ambient nonpumping conditions, and (B) vertical flow in borehole during pumping 46 gal/min. Caliper log (C) shows peaks where the borehole diameter is enlarged at discrete fracture openings in the bedrock. Right-facing arrow indicates flow into borehole during pumping.

EXPLANATION

- Measured flow
- Interpretation