

WELL SCHEDULE

SITE NAME 13FF22 OTHER IDENTIFIER Lville Suwanee Road WELL NUMBER 335646084010701Latitude 33° 56' 45.88" Longitude -84° 1.' 7.44" Ground Elevation 929.7 NGVD 29OWNER City of Lawrenceville Casing Elevation 932.99 NGVD 29

WELL CONSTRUCTION DESCRIPTION

Name of Aquifer: metamorphic - crystalline rock

TYPE OF DRILLING

 Rotary Total Depth 600 Percussion Static Water Level (bls) Bored -0.47 @
10/31/2001 10:12:00 AM

DRILL HOLE DIAMETER

Size 8 in, from 0 ft to 23 ftSize 6 in, from 23 ft to 600 ft

Size _____ in, from _____ ft to _____ ft

CASING RECORD

Type material PVCSize 6 in, from 0 ft to 23 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 5/17/2001 5/18/2001Driller Middle Georgia Water SystemsGROUTING YES NOType bentoniteFrom 0 ft to 23 ft

From _____ ft to _____ ft

From _____ ft to _____ ft

TEST PUMP DATA

Pumped Bailed _____Estimated 100 (air-lift yield)Date tested 11/28/2001Pump rated _____ gal/min 5 HPTest yield 48.0 gal/min After 6 hrsWater level before test 5.38 ft btocDrawdown 21.92 ftSpecific Capacity 2.2 gal/min/ft

Pumped during EM flow meter test

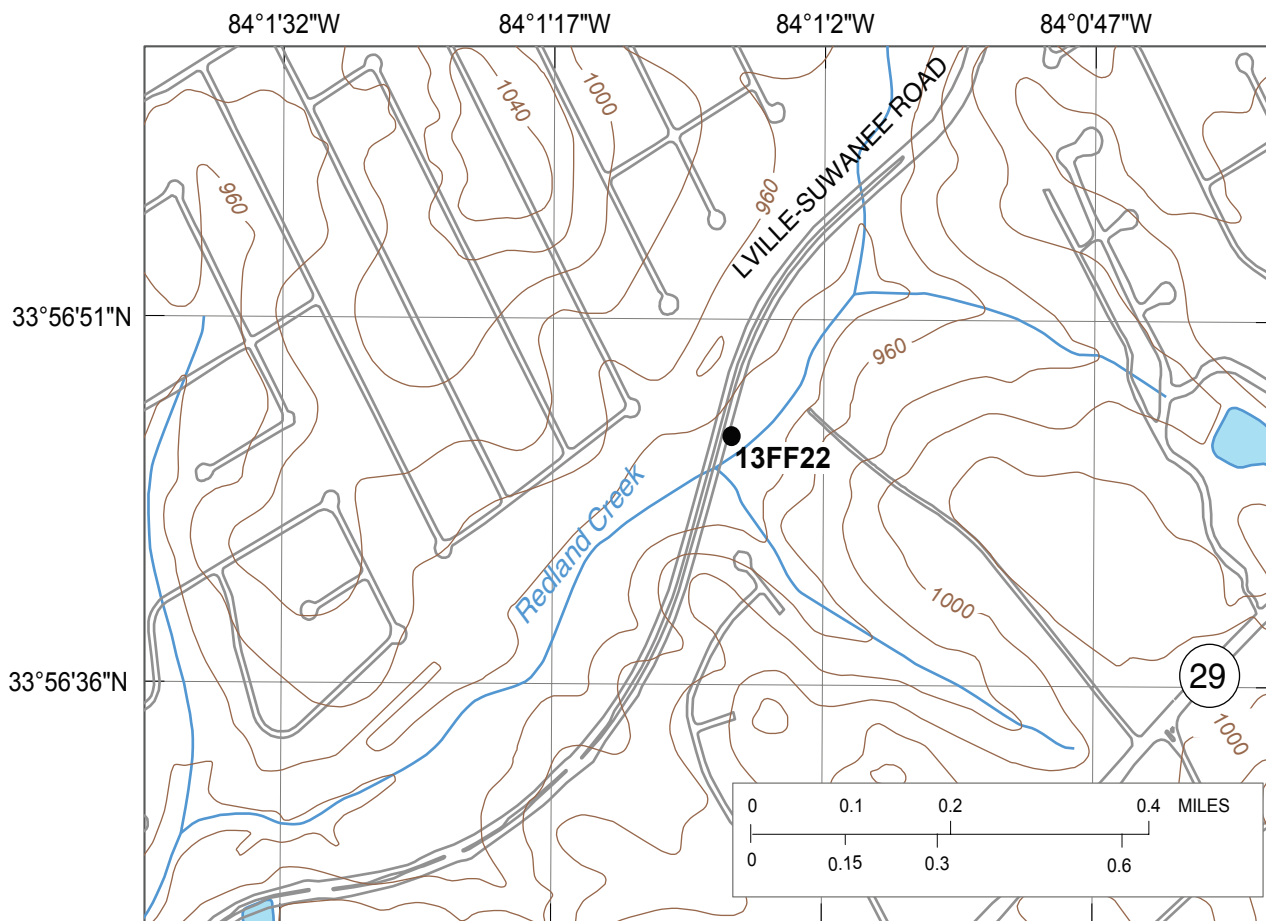
Altitudes are in reference to NGVD 29

Latitude/longitude in NAD 83

Depths are in feet below land surface (bls)

Feet below top of casing (ft btoc)

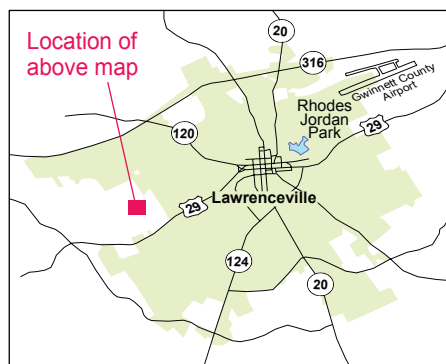
Comments: Water-bearing fractures at 23-25', 47.5-48.5', 154-155', 368-369', 468-475'; test hole drilled5/17/01 to 5/18/01 and logged by L.J. Willams and D.M. Crilley; air-lift yield approx. 100 gpm



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

EXPLANATION

- **13FF22** Observation well and site name

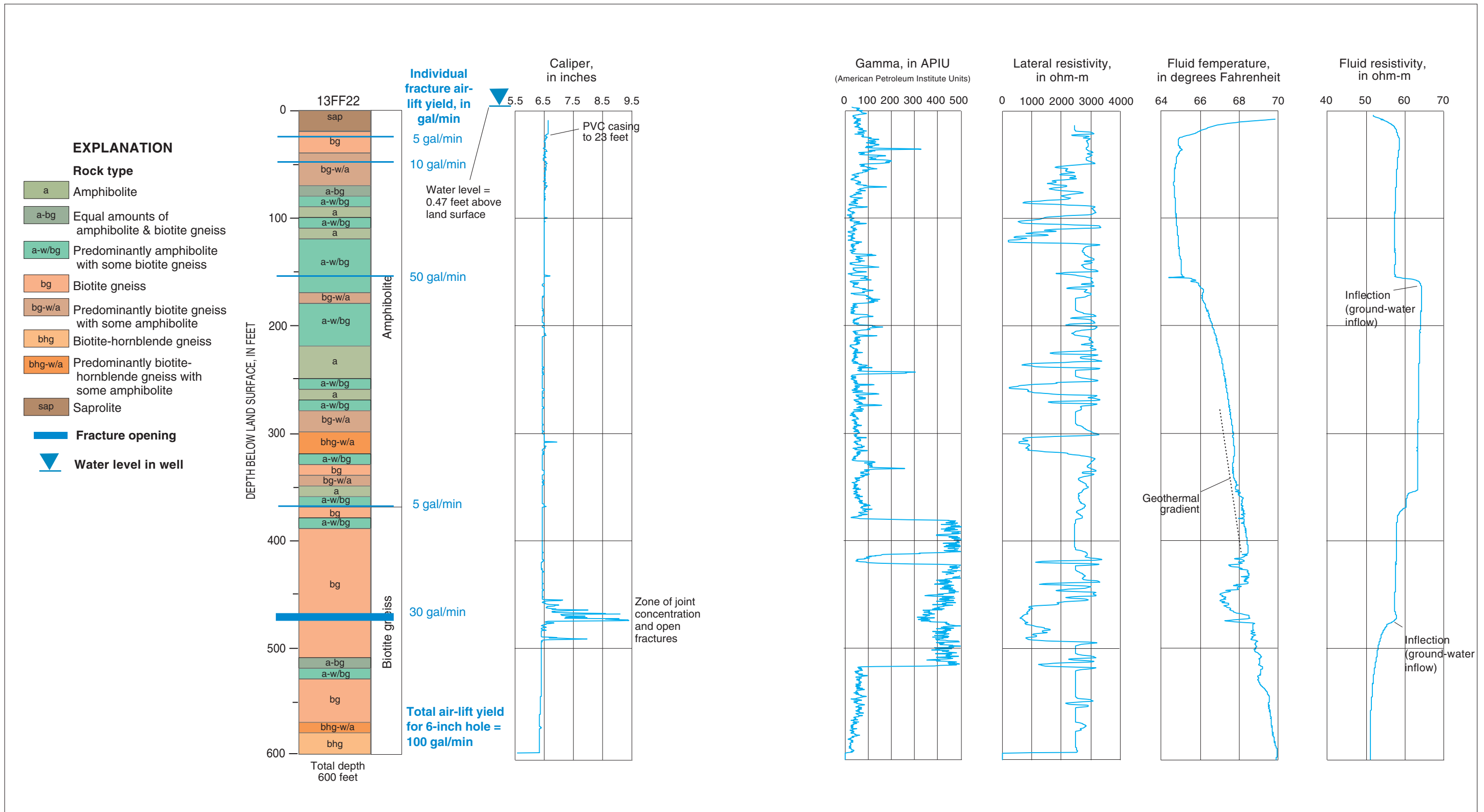


Geophysical log files for well 13FF22 [contained on CD in Supplemental_data\log_archive\logs.zip; ft bls, feet below land surface]

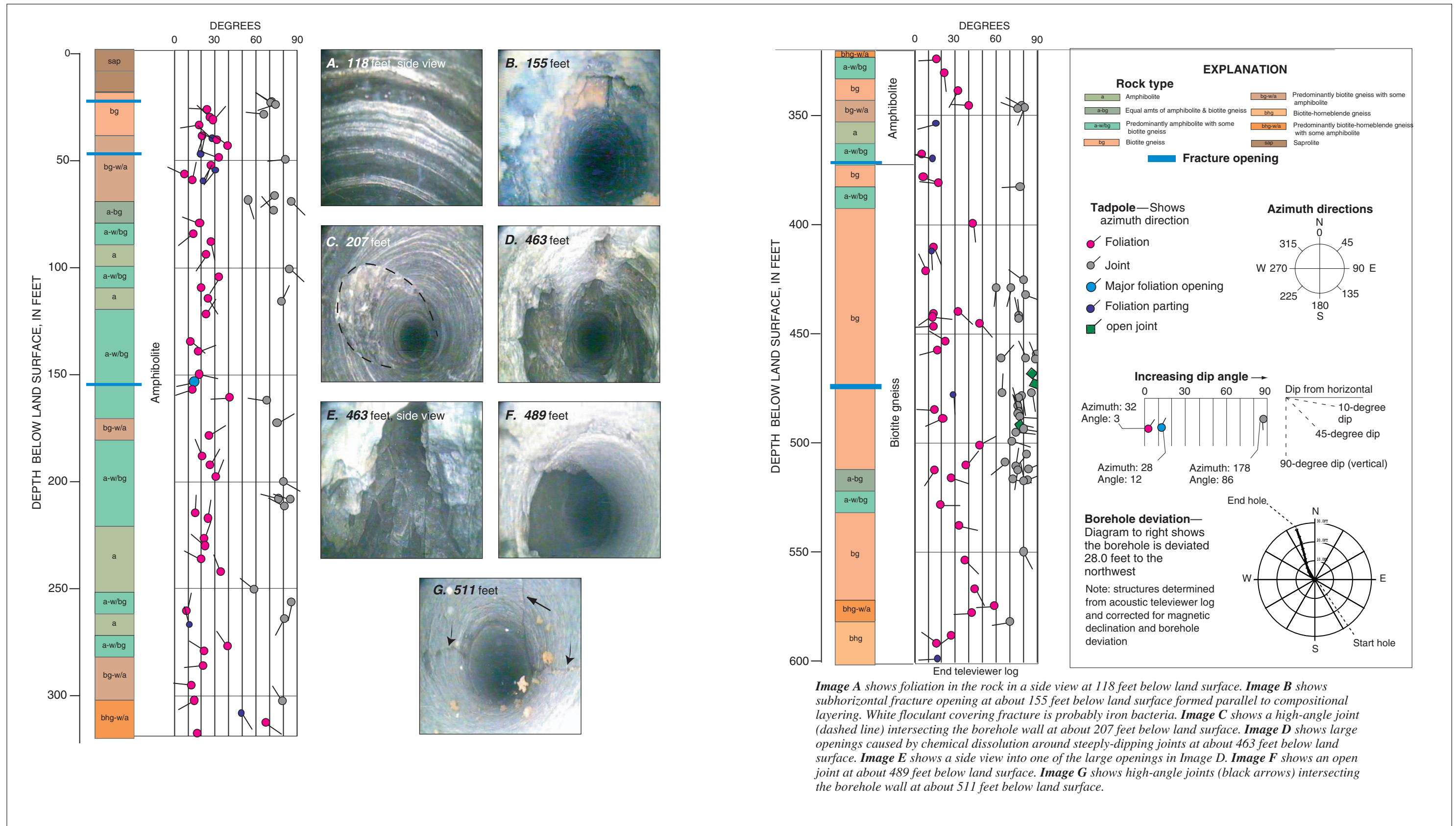
File name	Type	Date	Start depth (ft bls)	Stop depth (ft bls)
13FF22.20010718.ZE01	Combination Tool ¹	07/18/01	-2.9	600
13FF22.20011112.AT01	Acoustic Televiwer ²	11/12/01	23.24	600
13FF22.20010718.CT01	Caliper, Three Arm	07/18/01	9.1	598.1
13FF22.20011128.FE04	Electromagnetic Flowmeter	11/28/01	32.4	449.7
13FF22.20011128.FE02	Electromagnetic Flowmeter	11/28/01	442.4	600
13FF22.20011128.FE01	Electromagnetic Flowmeter	11/28/01	32.9	600
13FF22.20011128.FE03	Electromagnetic Flowmeter	11/28/01	33.6	600
13FF22.20010718.ZI01	Gamma and EM Induction	07/18/01	-0.1	600
13FF22.20011128.FH01	Heat-pulse Flowmeter	11/28/01	17	516
13FF22.20011128.FEI01	Interpreted EM Flowmeter	11/28/01	35.2	600

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

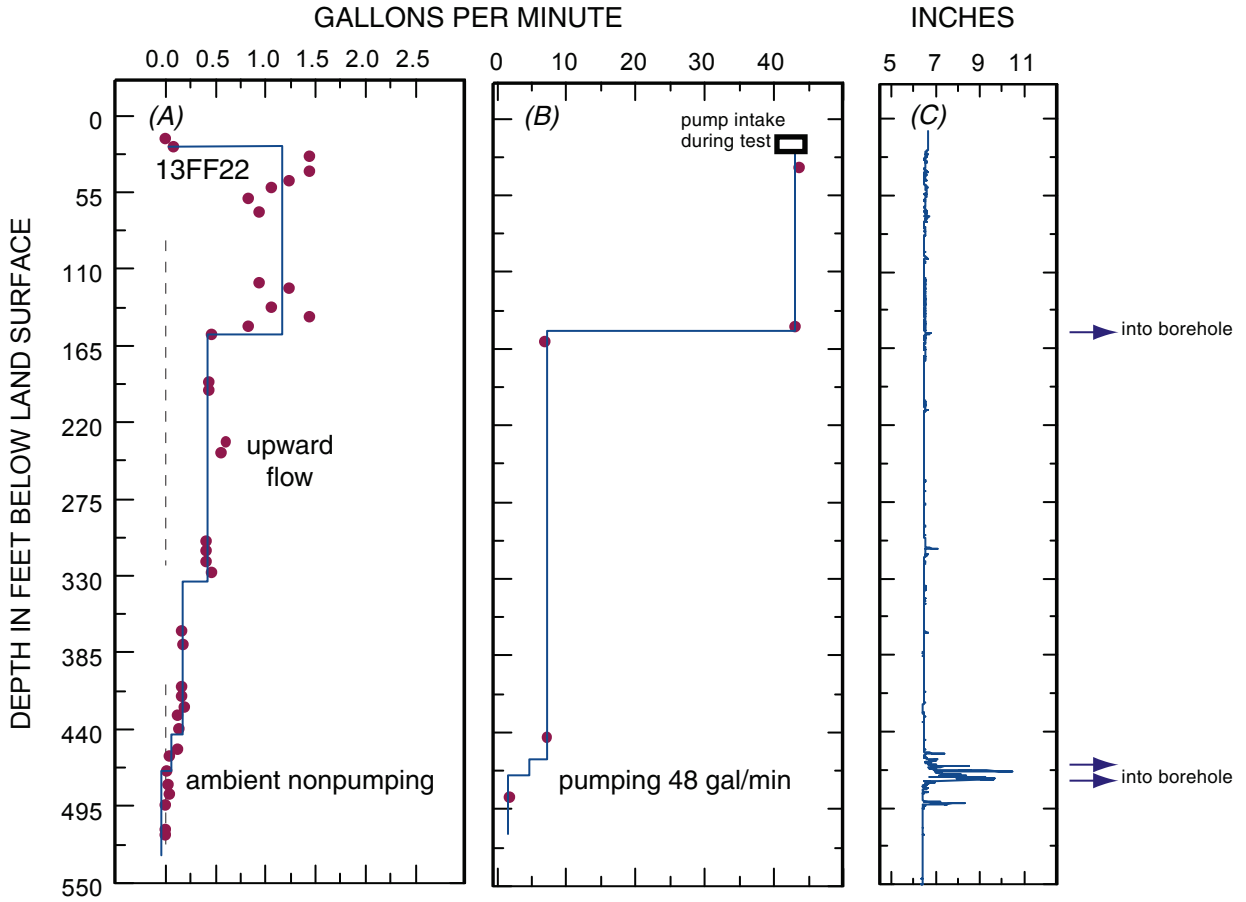
^{2/} Does not include trace data, original log is provided in Century binary format under the same file name with extension ".log"



Lithology and borehole geophysical logs for well 13FF22 (Lawrenceville Suwanee well), Lawrenceville, Georgia.



Structural tadpole plot and downhole camera images for well 13FF22 (Lawrenceville Suwanee well), Lawrenceville, Georgia.



Flowmeter logs from well 13FF22 showing (A) flow in borehole under ambient non-pumping conditions; left of dashed line indicates downward flow and right of line upward flow, and (B) vertical flow in borehole during pumping 48 gal/min. Caliper log (C) shows peaks where the borehole diameter is enlarged at discrete fracture openings in the bedrock. Right-facing arrows indicate flow into borehole during pumping.

EXPLANATION
 ● Measured flow
 — Interpretation