321631081461701 Local number 31S008

Floridan aquifer system
Upper Floridan aquifer

Bulloch County, GA

LOCATION.--Lat 32°16′27″, long 81°46′16″ referenced to North American Datum of 1927, Bulloch County, Hydrologic Unit 03060203.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 435 ft. Upper casing diameter 4 in; top of first opening 390 ft, bottom of last opening 435 ft.

WELL USE.--Withdrawal well.

DATUM.--Land-surface datum is 156 ft above National Geodetic Vertical Datum of 1929. Measuring point: undefined.

PERIOD OF RECORD.--May 1990 and August 2005.

REMARKS.--Samples were collected from ground-water wells by the National Water Quality Assessment (NAWQA) program while pumping using a submersible positive-pressure pump. Laboratory chemical analyses are by the U.S. Geological Survey, National Water Quality Laboratory. Field determinations of specific conductance, pH, water temperature, turbidity, dissolved oxygen, and alkalinity are by the U.S. Geological Survey.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 1 of 17
[Remark codes: <, less than; E, estimated.]

Date	Time	Depth to water level, feet below LSD (72019)	Pump or flow period prior to sampling, minutes (72004)	Turbidity, water, unfltrd field, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
Aug 09...	1700	118.74	50	1.2	753	.1	7.6	236	22.4	27.0	5.28	1.46	13.0

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 2 of 17
[Remark codes: <, less than; E, estimated.]

Date	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Aluminum, water, fltrd, ug/L (01106)
Aug 09...	105	.13	4.98	.5	34.9	5.4	<.04	<.06	<.008	<.06	<.006	<.3	<2

321631081461701 Local number 31S008—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 3 of 17
[Remark codes: <, less than; E, estimated.]

Date	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)
Aug 09...	<.20	1.2	5	<.06	11	<.04	<.8	.031	<.4	<.08	4.0	9.1	2.3

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 4 of 17
[Remark codes: <, less than; E, estimated.]

Date	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	2Chloro-2',6'-diethyl acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)	3,4-Dichloroaniline water fltrd, ug/L (61625)
Aug 09...	.67	<.4	<.2	293	<.04	<.1	<.6	<.09	<.006	<.005	<.006	<.004	<.004

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 5 of 17
[Remark codes: <, less than; E, estimated.]

Date	3,5-Dichloroaniline water, fltrd, ug/L (61627)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-Endosulfan, water, fltrd, ug/L (34362)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)
Aug 09...	<.004	<.006	<.006	<.005	<.005	<.007	<.07	<.050	<.010	<.041	<.020	<.06	<.005

321631081461701 Local number 31S008—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 6 of 17
[Remark codes: <, less than; E, estimated.]

Date	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	cis-Propiconazole, water, fltrd, ug/L (79846)	Cyanazine, water, fltrd, ug/L (04041)	Cyfluthrin, water, fltrd, ug/L (61585)	lambda-Cyhalothrin, water, fltrd, ug/L (61595)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Disulfoton sulfone water, fltrd, ug/L (61640)
Aug 09...	<.006	<.008	<.018	<.027	<.009	<.009	<.003	<.012	<.005	<.08	<.009	<.006	<.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 7 of 17
[Remark codes: <, less than; E, estimated.]

Date	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	Endosulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
Aug 09...	<.02	<.014	<.004	<.002	<.004	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 8 of 17
[Remark codes: <, less than; E, estimated.]

Date	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)
Aug 09...	<.003	<.013	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	<.003

321631081461701 Local number 31S008—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 9 of 17
[Remark codes: <, less than; E, estimated.]

Date	Myclobutanil water, fltrd, ug/L (61599)	Oxyfluorfen, water, fltrd, ug/L (61600)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)
Aug 09...	<.008	<.007	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	<.011	<.02	<.005

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 10 of 17
[Remark codes: <, less than; E, estimated.]

Date	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Tefluthrin, water, fltrd, ug/L (61606)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	trans-Propiconazole, water, fltrd, ug/L (79847)	Tribuphos, water, fltrd, ug/L (61610)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2-Tetrachloroethane, water, unfltrd ug/L (77562)	1,1,1-Trichloroethane, water, unfltrd ug/L (34506)	1,1,2,2-Tetrachloroethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)
Aug 09...	<.02	<.008	<.07	<.02	<.01	<.010	<.01	<.004	<.009	<.03	<.03	<.08	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 11 of 17
[Remark codes: <, less than; E, estimated.]

Date	1,1,2-Trichloroethane, water, unfltrd ug/L (34511)	1,1-Dichloroethane, water unfltrd ug/L (34496)	1,1-Dichloroethene, water, unfltrd ug/L (34501)	1,1-Dichloropropene water unfltrd ug/L (77168)	1,2,3,4 Tetramethylbenzene water unfltrd ug/L (49999)	1,2,3,5 Tetramethylbenzene water unfltrd ug/L (50000)	1,2,3-Trichlorobenzene water unfltrd ug/L (77613)	1,2,3-Trichloropropane water unfltrd ug/L (77443)	1,2,3-Trimethylbenzene water unfltrd ug/L (77221)	1,2,4-Trichlorobenzene water unfltrd ug/L (34551)	1,2,4-Trimethylbenzene water unfltrd ug/L (77222)	Dibromochloropropane water unfltrd ug/L (82625)	1,2-Dibromoethane, water, unfltrd ug/L (77651)
Aug 09...	<.04	<.04	<.02	<.03	<.1	<.1	<.2	<.18	<.1	<.1	<.06	<.5	<.04

321631081461701 Local number 31S008—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 12 of 17
[Remark codes: <, less than; E, estimated.]

Date	1,2-Dichlorobenzene water unfltrd ug/L (34536)	1,2-Dichloroethane, water, unfltrd ug/L (32103)	1,2-Dichloropropane water unfltrd ug/L (34541)	1,3,5-Trimethylbenzene water unfltrd ug/L (77226)	1,3-Dichlorobenzene water unfltrd ug/L (34566)	1,3-Dichloropropane water unfltrd ug/L (77173)	1,4-Dichlorobenzene water unfltrd ug/L (34571)	2,2-Dichloropropane water unfltrd ug/L (77170)	2-Chlorotoluene water unfltrd ug/L (77275)	2-Ethyltoluene water unfltrd ug/L (77220)	3-Chloropropene water unfltrd ug/L (78109)	4-Chlorotoluene water unfltrd ug/L (77277)	4-Isopropyltoluene water unfltrd ug/L (77356)
Aug 09...	<.05	<.1	<.03	<.04	<.03	<.1	<.03	<.05	<.04	<.06	<.50	<.05	<.08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 13 of 17
[Remark codes: <, less than; E, estimated.]

Date	Acetone water unfltrd ug/L (81552)	Acrylonitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromobenzene water unfltrd ug/L (81555)	Bromochloromethane water unfltrd ug/L (77297)	Bromodichloromethane water unfltrd ug/L (32101)	Bromoethene, water, unfltrd ug/L (50002)	Bromomethane water unfltrd ug/L (34413)	Carbon disulfide water unfltrd ug/L (77041)	Chlorobenzene water unfltrd ug/L (34301)	Chloroethane, water, unfltrd ug/L (34311)	Chloromethane water unfltrd ug/L (34418)	cis-1,2-Dichloroethene, water, unfltrd ug/L (77093)
Aug 09...	<6	<.8	<.02	<.03	<.12	<.03	<.1	<.3	E.05	<.03	<.1	<.2	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 14 of 17
[Remark codes: <, less than; E, estimated.]

Date	cis-1,3-Dichloropropene water unfltrd ug/L (34704)	Dibromochloromethane water unfltrd ug/L (32105)	Dibromomethane water unfltrd ug/L (30217)	Dichlorodifluoromethane wat unf ug/L (34668)	Dichloromethane water unfltrd ug/L (34423)	Diethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethylbenzene water unfltrd ug/L (34371)	Hexachlorobutadiene, water, unfltrd ug/L (39702)	Hexachloroethane, water, unfltrd ug/L (34396)	Iodomethane water unfltrd ug/L (77424)
Aug 09...	<.05	<.1	<.05	<.18	<.1	<.1	<.10	<.2	<2.0	<.03	<.1	<.1	<.50

321631081461701 Local number 31S008—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 15 of 17
[Remark codes: <, less than; E, estimated.]

Date	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propyl-benzene water unfltrd ug/L (77223)	Methyl acrylo-nitrile water unfltrd ug/L (81593)	Methyl acryl-ate, water, unfltrd ug/L (49991)	Methyl methac-rylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta- + para-Xylene, water, unfltrd ug/L (85795)	Naphth-alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n-propyl-benzene water unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butyl-benzene water unfltrd ug/L (77350)
Aug 09...	<.4	<.04	<.4	<1.0	<.2	<.04	<.06	<.5	<.4	<.1	<.04	<.04	<.06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 16 of 17
[Remark codes: <, less than; E, estimated.]

Date	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert-Butyl-benzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)
Aug 09...	<.04	<.03	<.1	<.06	<.03	<.06	<1	<.02	<.03	<.09	<.7	<.10	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
Part 17 of 17
[Remark codes: <, less than; E, estimated.]

Date	Tri-chloro-fluoro-methane water unfltrd ug/L (34488)	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chlor-ide, water, unfltrd ug/L (39175)	Di-chlor-vos, water fltrd, ug/L (38775)	Ra-226, water, fltrd, radon method pCi/L (09511)	Ra-228, water, fltrd, pCi/L (81366)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Uranium natural water, fltrd, ug/L (22703)
Aug 09...	<.08	<.02	<.1	<.01	.156	<.52	17	190	<.04