



Water-Data Report 2007

353027077340102 Local number GR-115, L20

Surficial aquifer system
 Post Miocene (Quaternary + Pliocene) Rocks
 Greene County, NC

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1999, 2001, 2005, 2007.

REMARKS.--Well is part of the National Water Quality Assessment Program (NAWQA).

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected.]

Date	Time	Depth to water level, feet below LSD (72019)	Water level, depth below MP, feet (61055)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd μS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
Apr 04...	1100	2.54	6.31	2.1	754	.3	3	4.6	42	15.7	7	2.06	.357
May 31...	1545	4.94	8.71	56	765	.4	4	4.5	44	18.6	--	--	--

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected.]

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	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)	Residue on evap. at 180degC, wat flt mg/L (70300)	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)
Apr 04...	.36	4.01	.07	7.79	.10	12.6	E.11	48	E.013	<.06	<.002	<.06	.145
May 31...	--	--	--	--	--	--	--	--	--	--	--	--	--

353027077340102 Local number GR-115, L20—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected.]

Date	Alum- inum, water, fltrd, µg/L (01106)	Anti- mony, water, fltrd, µg/L (01095)	Arsenic water, fltrd, µg/L (01000)	Barium, water, fltrd, µg/L (01005)	Beryll- ium, water, fltrd, µg/L (01010)	Boron, water, fltrd, µg/L (01020)	Cadmium water, fltrd, µg/L (01025)	Chrom- ium, water, fltrd, µg/L (01030)	Cobalt water, fltrd, µg/L (01035)	Copper, water, fltrd, µg/L (01040)	Hydro- gen sulfide water, unfltrd mg/L (71875)	Iron, water, fltrd, µg/L (01046)	Lead, water, fltrd, µg/L (01049)
Apr 04...	103	<.06	.17	17	.13	E5	<.04	.24	.53	2.8	U	1,180	.23
May 31...	--	--	--	--	--	--	--	--	--	--	M	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected.]

Date	Lithium water, fltrd, µg/L (01130)	Mangan- ese, water, fltrd, µg/L (01056)	Molyb- denum, water, fltrd, µg/L (01060)	Nickel, water, fltrd, µg/L (01065)	Selen- ium, water, fltrd, µg/L (01145)	Silver, water, fltrd, µg/L (01075)	Stront- ium, water, fltrd, µg/L (01080)	Thall- ium, water, fltrd, µg/L (01057)	Vanad- ium, water, fltrd, µg/L (01085)	Zinc, water, fltrd, µg/L (01090)	1-Naph- thol, water, fltrd 0.7u GF µg/L (49295)	2,6-Di- ethyl- aniline water, fltrd 0.7u GF µg/L (82660)	2Chloro -2',6'- diethyl acet- anilide wat flt µg/L (61618)
Apr 04...	1.0	5.6	<.1	1.5	<.08	<.1	15.0	<.04	.38	5.7	<.09	<.006	<.006
May 31...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected.]

Date	CIAT, water, fltrd, µg/L (04040)	2-Ethyl -6- methyl- aniline water, fltrd, µg/L (61620)	3,4-Di- chloro- aniline water, fltrd, µg/L (61625)	3,5-Di- chloro- aniline water, fltrd, µg/L (61627)	4- Chloro- 2methyl phenol, water, fltrd, µg/L (61633)	Aceto- chlor, water, fltrd, µg/L (49260)	Ala- chlor, water, fltrd, µg/L (46342)	alpha- Endo- sulfan, water, fltrd, µg/L (34362)	Atra- zine, water, fltrd, µg/L (39632)	Azin- phos- methyl oxon, water, fltrd, µg/L (61635)	Azin- phos- methyl, water, fltrd 0.7u GF µg/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF µg/L (82673)	Car- baryl, water, fltrd 0.7u GF µg/L (82680)
Apr 04...	<.014	<.010	<.004	<.012	<.005	<.006	<.005	<.011	<.007	<.04	<.080	<.010	<.060
May 31...	--	--	--	--	--	--	--	--	--	--	--	--	--

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 6 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected.]

Date	Carbo- furan, water, fltrd 0.7u GF µg/L (82674)	Chlor- pyrifos water, fltrd, µg/L (61636)	Chlor- pyrifos water, fltrd, µg/L (38933)	cis- Per- methrin water fltrd 0.7u GF µg/L (82687)	cis- Propi- cona- zole, water, fltrd, µg/L (79846)	Cyana- zine, water, fltrd, µg/L (04041)	Cyflu- thrin, water, fltrd, µg/L (61585)	lambda- Cyhalo- thrin, water, fltrd, µg/L (61595)	Cyper- methrin water, fltrd, µg/L (61586)	DCPA, water, fltrd 0.7u GF µg/L (82682)	Desulf- inyl- fipro- nil, water, fltrd, µg/L (62170)	Diazi- non, water, fltrd, µg/L (39572)	Dicro- tophos, water, fltrd, µg/L (38454)
Apr 04...	<.020	<.06	<.005	<.010	<.013	<.018	<.053	<.014	<.046	<.003	<.012	<.005	<.08
May 31...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 7 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected.]

Date	Diel- drin, water, fltrd, µg/L (39381)	Dimeth- oate, water, fltrd 0.7u GF µg/L (82662)	Disulf- oton sulfone water, fltrd, µg/L (61640)	Disul- foton, water, fltrd 0.7u GF µg/L (82677)	Endo- sulfan sulfate water, fltrd, µg/L (61590)	EPTC, water, fltrd 0.7u GF µg/L (82668)	Ethion monoxon water, fltrd, µg/L (61644)	Ethion, water, fltrd, µg/L (82346)	Etho- prop, water, fltrd 0.7u GF µg/L (82672)	Fenami- phos sulfone water, fltrd, µg/L (61645)	Fenami- phos oxide, water, fltrd, µg/L (61646)	Fenami- phos, water, fltrd, µg/L (61591)	Desulf- inyl- fipro- nil amide, wat flt µg/L (62169)
Apr 04...	<.009	<.006	<.01	<.02	<.022	<.002	<.02	<.016	<.012	<.053	<.04	<.03	<.029
May 31...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 8 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected.]

Date	Fipro- nil sulfide water, fltrd, µg/L (62167)	Fipro- nil sulfone water, fltrd, µg/L (62168)	Fipro- nil, water, fltrd, µg/L (62166)	Fonofos water, fltrd, µg/L (04095)	Hexa- zinone, water, fltrd, µg/L (04025)	lpro- dione, water, fltrd, µg/L (61593)	Isofen- phos, water, fltrd, µg/L (61594)	Mala- oxon, water, fltrd, µg/L (61652)	Mala- thion, water, fltrd, µg/L (39532)	Meta- laxyl, water, fltrd, µg/L (61596)	Methi- althion water, fltrd, µg/L (61598)	Methyl para- oxon, water, fltrd, µg/L (61664)	Methyl para- thion, water, fltrd 0.7u GF µg/L (82667)
Apr 04...	<.013	<.024	<.016	<.006	<.026	<.026	<.011	<.039	<.016	<.007	<.009	<.02	<.008
May 31...	--	--	--	--	--	--	--	--	--	--	--	--	--

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 9 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected.]

Date	Metola-	Metri-	Moli-	Myclo-	Oxy-	Pendi-	Phorate	Phorate	Phosmet	Phosmet	Prome-	Prome-	Propy-
	chlor,	buzin,	nate,	butanil	fluor-	meth-	oxon,	water,	oxon,	water,	ton,	tryn,	zamide,
	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,
	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,
	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	(39415)	(82630)	(82671)	(61599)	(61600)	(82683)	(61666)	(82664)	(61668)	(61601)	(04037)	(04036)	(82676)
Apr 04...	<.010	<.012	<.003	<.033	<.017	<.020	<.03	<.020	<.05	<.008	<.01	<.006	<.004
May 31...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 10 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected.]

Date	Pro-	Prepar-	Sima-	Tebu-	Teflu-	Ter-	Terbu-	Ter-	Thio-	trans-	Tribu-	Tri-	Di-
	panil,	gite,	zine,	thiuron	thrin,	bufos	fos,	buthyl-	bencarb	Propi-	phos,	flur-	chlor-
	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,
	fltrd	fltrd	fltrd,	fltrd	fltrd,	fltrd,	fltrd	fltrd,	fltrd	fltrd,	fltrd,	fltrd	fltrd,
	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	(82679)	(82685)	(04035)	(82670)	(61606)	(61674)	(82675)	(04022)	(82681)	(79847)	(61610)	(82661)	(38775)
Apr 04...	<.011	<.02	<.006	<.02	<.003	<.04	<.01	<.01	<.010	<.03	<.035	<.009	<.01
May 31...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO
SEPTEMBER 2007

Part 11 of 11

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; U, analyzed for but not detected.]

Date	Tritium	Tritium	Uranium
	2-sigma	water,	natural
	water,	water,	water,
	unfltrd	unfltrd	fltrd,
	pCi/L	pCi/L	µg/L
	(75985)	(07000)	(22703)
Apr 04...	.96	14.4	E.03
May 31...	--	--	--