



Water-Data Report 2012

355629079121201 Local number OR-685 COL-1 NEAR WHITE CROSS, NC (TRANSITION ZONE)

Piedmont and Blue Ridge crystalline-rock aquifers
Transition Zone

Orange County, NC

LOCATION.--Lat 35°56'28.70", long 79°12'11.60" referenced to North American Datum of 1983, Orange County, NC, Hydrologic Unit 03030002, near Oaks, NC. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 31 ft. Upper casing diameter 4 in; top of first opening 11 ft, bottom of last opening 31 ft.

DATUM.--Land-surface datum is 525 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--June 2011 to current year.

GAGE.--None.

REMARKS.--Measured quarterly by U. S. Geological Survey and/or NCDENR personnel.

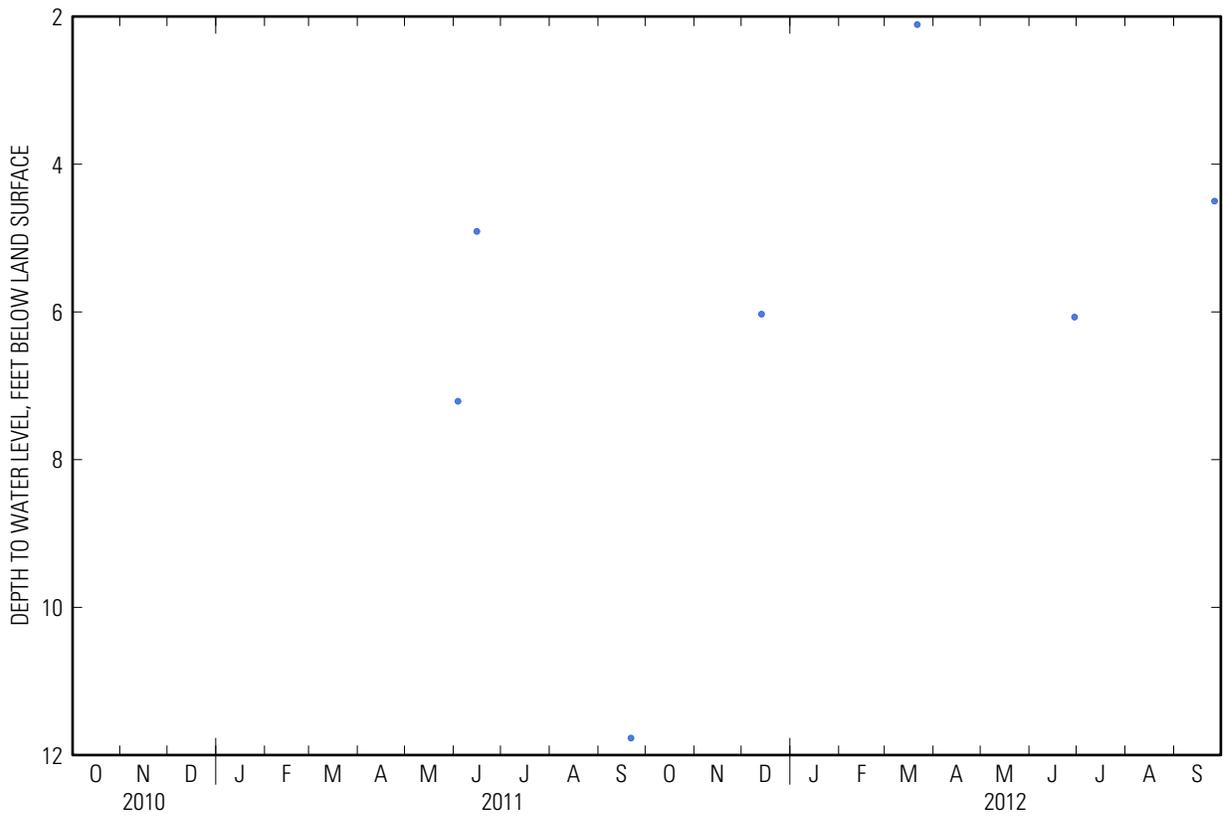
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.11 ft below land-surface datum, March 21, 2012; lowest water level measured, 11.77 ft below land-surface datum, September 21, 2011.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

[Measurement method: T, electric tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Dec 13, 2011	6.03	T	--	Jun 29, 2012	6.07	T	--
Mar 21, 2012	2.11	T	--	Sep 26	4.50	T	--

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355629079121201 Local number OR-685 COL-1 NEAR WHITE CROSS, NC (TRANSITION ZONE)—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2011 to current year.

REMARKS.--Station operated to evaluate effects of land-applied municipal biosolids on water quality.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 16

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Medium name	Sample type	Depth to water level, ft below land surface (72019)	Dissolved oxygen, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)
12-13-2011	1340	Groundwater	Regular	6.03	1.3	6.9	485	15.0
03-21-2012	1440	Groundwater	Regular	2.11	8.9	6.8	440	13.9
03-21-2012	1441	<i>QC sample - Groundwater</i>	<i>Replicate</i>	--	--	--	--	--
03-21-2012	1442	<i>QC sample - Groundwater</i>	<i>Duplicate</i>	--	--	--	--	--
03-21-2012	1443	<i>QC sample - Groundwater</i>	<i>Duplicate</i>	--	--	--	--	--
06-29-2012	1110	Groundwater	Regular	6.07	8.6	7.1	445	14.4
09-26-2012	1010	<i>QC sample - Artificial</i>	<i>Blank</i>	--	--	--	--	--
09-26-2012	1330	Groundwater	Regular	4.50	1.6	6.9	573	15.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	ANC, water, unfiltered, inflection-point, incremental titration method, field, mg/L as CaCO ₃ (00419)	Alkalinity, water, filtered, fixed endpoint titration, laboratory, mg/L as CaCO ₃ (29801)	Chloride, water, filtered, mg/L (00940)
12-13-2011	1340	72	56.3	8.86	1.49	20.7	--	191	4.84
03-21-2012	1440	22	55.4	8.46	1.01	18.2	168	180	5.46
03-21-2012	1441	--	57.6	8.62	1.07	16.8	--	180	5.42
03-21-2012	1442	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--
06-29-2012	1110	62	73.2	10.4	1.23	19.9	--	234	5.36
09-26-2012	1010	--	.024	< .011	< .03	< .06	--	< 4.6	< .06
09-26-2012	1330	31	72.9	10.1	1.32	18.0	227	220	5.50

355629079121201 Local number OR-685 COL-1 NEAR WHITE CROSS, NC (TRANSITION ZONE)—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 3 of 16

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Fluoride, water, filtered, mg/L (00950)	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, filtered, mg/L as P (00666)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Escherichia coli, Defined Substrate Technology, water, MPN/100 mL (50468)
12-13-2011	1340	0.17	11.6	0.012	2.08	0.009	0.011	2.18	< 1
03-21-2012	1440	.16	16.1	.010	2.46	.011	.007	2.63	11
03-21-2012	1441	.16	16.1	< .010	2.47	.011	.007	2.56	10
03-21-2012	1442	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--
06-29-2012	1110	.12	15.5	< .010	2.58	.009	.006	2.60	< 1
09-26-2012	1010	< .04	< .09	< .010	< .040	< .004	< .004	< .05	< 10
09-26-2012	1330	.13	9.45	< .010	5.07	.006	.006	5.40	< 10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 4 of 16

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Fecal coliform, M-FC MF (0.45 micron) method, water, col/100 mL (31616)	Iron, water, filtered, µg/L (01046)	1,4-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34571)	Atrazine, water, unfiltered, recoverable, µg/L (39630)	Bromacil, water, unfiltered, recoverable, µg/L (30234)	Camphor, water, unfiltered, recoverable, µg/L (62817)	Carbaryl, water, unfiltered, recoverable, µg/L (39750)	Carbazole, water, unfiltered, recoverable, µg/L (77571)	Chlorpyrifos, water, unfiltered, recoverable, µg/L (38932)
12-13-2011	1340	< 2	9.9	< .08	< .16	< .16	< .08	< .06	< .020	< .12
03-21-2012	1440	20	< 3.2	--	--	--	--	--	--	--
03-21-2012	1441	20	5.8	--	--	--	--	--	--	--
03-21-2012	1442	20	--	--	--	--	--	--	--	--
03-21-2012	1443	18	--	--	--	--	--	--	--	--
06-29-2012	1110	< 2	6.3	--	--	--	--	--	--	--
09-26-2012	1010	< 2	< 3.2	--	--	--	--	--	--	--
09-26-2012	1330	< 20	3.7	--	--	--	--	--	--	--

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 5 of 16

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	DEET, water, unfiltered, recoverable, µg/L (61947)	Diazinon, water, unfiltered, recoverable, µg/L (39570)	Dichlorvos, water, unfiltered, recoverable, µg/L (30218)	Metalaxyl, water, unfiltered, recoverable, µg/L (04254)	Metolachlor, water, unfiltered, recoverable, µg/L (82612)	p-Cresol, water, unfiltered, recoverable, µg/L (77146)	Pentachlorophenol, water, unfiltered, recoverable, µg/L (39032)	Prometon, water, unfiltered, recoverable, µg/L (39056)	Thiabendazole, water, filtered, recoverable, micrograms per liter (62801)
12-13-2011	1340	E 1.07	< .32	< .08	< .16	< .04	< .08	< 1.6	< .16	< .060
03-21-2012	1440	--	--	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	1,7-Dimethylxanthine, water, filtered, recoverable, micrograms per liter (62030)	1-Methylnaphthalene, water, unfiltered, recoverable, µg/L (81696)	2,6-Dimethylnaphthalene, water, unfiltered, recoverable, µg/L (62805)	2-Methylnaphthalene, water, unfiltered, recoverable, µg/L (30194)	3,4-Dichlorophenyl isocyanate, water, unfiltered, recoverable, µg/L (63145)	3-beta-Coprostanol, water, unfiltered, recoverable, µg/L (62806)	3-Methyl-1H-indole, water, unfiltered, recoverable, µg/L (62807)	3-tert-Butyl-4-hydroxyanisole, water, unfiltered, recoverable, µg/L (61702)	4-Cumylphenol, water, unfiltered, recoverable, µg/L (62808)
12-13-2011	1340	< .100	< .04	< .04	< .04	< .32	< 1.6	< .04	< .16	< .04
03-21-2012	1440	--	--	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--	--	--

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	4-Epichlorotetracycline hydrochloride, water, filtered, recoverable, micrograms per liter (63731)	4-Epioxytetracycline, water, filtered, recoverable, micrograms per liter (63729)	4-Epitytracycline hydrochloride, water, filtered, recoverable, micrograms per liter (63727)	4-n-Octylphenol, water, unfiltered, recoverable, µg/L (62809)	4-Nonylphenol (sum of all isomers), water, unfiltered, recoverable, µg/L (62829)	4-Nonylphenol diethoxylate (sum of all isomers), water, unfiltered, recoverable, µg/L (61703)	4-Nonylphenol monoethoxylate (sum of all isomers), water, unfiltered, recoverable, µg/L (61704)	4-tert-Octylphenol diethoxylate, water, unfiltered, recoverable, µg/L (62486)	4-tert-Octylphenol monoethoxylate, water, unfiltered, recoverable, µg/L (62485)
12-13-2011	1340	< .010	< .010	< .010	< .02	E .5	< 1.6	< 1.6	< .2	< .6
03-21-2012	1440	--	--	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 8 of 16

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	4-tert-Octylphenol, water, unfiltered, recoverable, µg/L (62810)	5-Methyl-1H-benzotriazole, water, unfiltered, recoverable, µg/L (61944)	9,10-Anthraquinone, water, unfiltered, recoverable, µg/L (62813)	Acetaminophen, water, filtered, recoverable, micrograms per liter (62000)	Acetophenone, water, unfiltered, recoverable, µg/L (62811)	Acetylhexamethyl tetrahydro naphthalene, water, unfiltered, recoverable, µg/L (62812)	Albuterol, water, filtered, recoverable, micrograms per liter (62020)	Anhydroertromycin, water, filtered, recoverable, micrograms per liter (63674)	Anthracene, water, unfiltered, recoverable, µg/L (34220)
12-13-2011	1340	< .4	< 1.28	< .04	< .120	< .4	< .04	< .080	< .005	< .02
03-21-2012	1440	--	--	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--	--	--

355629079121201 Local number OR-685 COL-1 NEAR WHITE CROSS, NC (TRANSITION ZONE)—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Azithromycin, water, filtered, recoverable, micrograms per liter (62792)	BDE congener 47, water, unfiltered, recoverable, µg/L (63147)	Benzo[a]pyrene, water, unfiltered, recoverable, µg/L (34247)	Benzo-phenone, water, unfiltered, recoverable, µg/L (62814)	beta-Sitosterol, water, unfiltered, recoverable, µg/L (62815)	beta-Stig-mastanol, water, unfiltered, recoverable, µg/L (61948)	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, µg/L (39100)	Caffeine, water, filtered, recoverable, µg/L (50305)	Caffeine, water, unfiltered, recoverable, µg/L (81436)
12-13-2011	1340	< .005	< .04	< .02	< .08	< 4.8	< 3.4	< 2	< .060	< .08
03-21-2012	1440	--	--	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 10 of 16

[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Carbamazepine, water, filtered, recoverable, micrograms per liter (62793)	Chloramphenicol, water, filtered, recoverable, micrograms per liter (65194)	Chlortetracycline, water, filtered, recoverable, micrograms per liter (61744)	Cholesterol, water, unfiltered, recoverable, µg/L (62818)	Ciprofloxacin, water, filtered, recoverable, micrograms per liter (62898)	Codeine, water, filtered, recoverable, micrograms per liter (62003)	Cotinine, water, filtered, recoverable, µg/L (62005)	Cotinine, water, unfiltered, recoverable, µg/L (61945)	Dehydronifedipine, water, filtered, recoverable, micrograms per liter (62004)
12-13-2011	1340	< .005	< .100	< .010	< 1.6	< .005	< .046	< .038	< .08	< .080
03-21-2012	1440	--	--	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--	--	--

355629079121201 Local number OR-685 COL-1 NEAR WHITE CROSS, NC (TRANSITION ZONE)—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Diethyl phthalate, water, unfiltered, recoverable, µg/L (34336)	Diltiazem, water, filtered, recoverable, microgram s per liter (62008)	Diphenhydramine, water, filtered, recoverable, microgram s per liter (62796)	D-Limonene, water, unfiltered, recoverable, µg/L (62819)	Doxycycline, water, filtered (0.7 micron glass fiber filter), recoverable, microgram s per liter (62694)	Enrofloxacin, water, filtered, recoverable, microgram s per liter (66495)	Erythromycin, water, filtered, recoverable, microgram s per liter (62797)	Fluoranthene, water, unfiltered, recoverable, µg/L (34376)	Hexahydrohexamethylcyclopentabenzopyran, water, unfiltered, recoverable, µg/L (62823)
12-13-2011	1340	E .1	< .060	< .058	< .16	< .010	< .005	< .008	< .02	< .04
03-21-2012	1440	--	--	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Ibuprofen, water, filtered, recoverable, microgram s per liter (62014)	Indole, water, unfiltered, recoverable, µg/L (62824)	Isoborneol, water, unfiltered, recoverable, µg/L (62825)	Isochlortetracycline, water, filtered, recoverable, microgram s per liter (64175)	Isoepichlorotetracycline, water, filtered, recoverable, microgram s per liter (64047)	Iso-phorone, water, unfiltered, recoverable, µg/L (34408)	Isopropylbenzene, water, unfiltered, recoverable, µg/L (77223)	Iso-quinoline, water, unfiltered, recoverable, µg/L (62826)	Lincomycin, water, filtered, recoverable, microgram s per liter (62894)
12-13-2011	1340	< .050	< .04	< .090	< .010	< .010	< .050	< .04	< .04	< .005
03-21-2012	1440	--	--	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--	--	--

355629079121201 Local number OR-685 COL-1 NEAR WHITE CROSS, NC (TRANSITION ZONE)—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Lomefloxacin, water, filtered, recoverable,	Menthol, water, unfiltered, recoverable,	Methyl salicylate, water, unfiltered, recoverable,	Naphthalene, water, unfiltered, recoverable,	Norfloxacin, (0.7 micron glass fiber filter), water, filtered, recoverable,	Ofloxacin, water, filtered, recoverable,	Ormetoprim, water, filtered, recoverable,	Oxytetracycline, water, filtered, recoverable,	Phenanthrene, water, unfiltered, recoverable,
		micrograms per liter (62900)	µg/L (62827)	µg/L (62828)	µg/L (34696)	micrograms per liter (62757)	micrograms per liter (62899)	micrograms per liter (62962)	micrograms per liter (61759)	µg/L (34461)
12-13-2011	1340	< .005	< .32	< .08	< .02	< .005	< .005	< .005	< .010	< .02
03-21-2012	1440	--	--	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Phenol, water, unfiltered, recoverable,	Pyrene, water, unfiltered, recoverable,	Roxithromycin, water, filtered, recoverable,	Sarafloxacin, (0.7 micron glass fiber filter), water, filtered, recoverable,	Sulfachlorpyridazine, (0.7 micron glass fiber filter), water, filtered, recoverable,	Sulfadiazine, water, filtered, recoverable,	Sulfadimethoxine, (0.7 micron glass fiber filter), water, filtered, recoverable,	Sulfamethazine, water, filtered, recoverable,	Sulfamethoxazole, (0.7 micron glass fiber filter), water, filtered, recoverable,
		µg/L (34694)	µg/L (34469)	micrograms per liter (62895)	micrograms per liter (62771)	micrograms per liter (62774)	micrograms per liter (62963)	micrograms per liter (62776)	micrograms per liter (61762)	micrograms per liter (62775)
12-13-2011	1340	< .16	< .02	< .005	< .005	< .005	< .005	< .005	< .005	< .005
03-21-2012	1440	--	--	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--	--	--

355629079121201 Local number OR-685 COL-1 NEAR WHITE CROSS, NC (TRANSITION ZONE)—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Sulfathiazole, water, filtered, recoverable,	Sulfamethoxazole, water, filtered, recoverable,	Tetrachloroethene, water, unfiltered, recoverable,	Tetracycline, water, filtered, recoverable,	Tribromomethane, water, unfiltered, recoverable,	Tributyl phosphate, water, unfiltered, recoverable,	Triclosan, water, unfiltered, recoverable,	Triethyl citrate, water, unfiltered, recoverable,	Trimethoprim, water, filtered, recoverable,
		(0.7 micron glass fiber filter), micrograms per liter (62021)	(0.7 micron glass fiber filter), micrograms per liter (62778)	(34475) µg/L	(0.7 micron glass fiber filter), micrograms per liter (62781)	(32104) µg/L	(62832) µg/L	(61708) µg/L	(62833) µg/L	(62023) micrograms per liter
12-13-2011	1340	< .091	< .005	< .16	< .010	E .01	< .064	< .32	< .04	< .005
03-21-2012	1440	--	--	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--	--	--

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WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[ANC, acid neutralizing capacity; CaCO₃, calcium carbonate; MF, membrane filter; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft, feet; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Triphenyl phosphate, water, unfiltered, recoverable,	Tris(2-butoxyethyl) phosphate, water, unfiltered, recoverable,	Tris(2-chloroethyl) phosphate, water, unfiltered, recoverable,	Tris(dichloroisopropyl) phosphate, water, unfiltered, recoverable,	Tylosin, water, filtered, recoverable,	Virginiamycin, water, filtered, recoverable,	Warfarin, water, filtered, recoverable,
		(62834) µg/L	(62830) µg/L	(62831) µg/L	(61707) µg/L	(62896) micrograms per liter	(62897) micrograms per liter	(62024) micrograms per liter
12-13-2011	1340	< .08	< .64	E .03	E .09	< .010	< .005	< .080
03-21-2012	1440	--	--	--	--	--	--	--
03-21-2012	1441	--	--	--	--	--	--	--
03-21-2012	1442	--	--	--	--	--	--	--
03-21-2012	1443	--	--	--	--	--	--	--
06-29-2012	1110	--	--	--	--	--	--	--
09-26-2012	1010	--	--	--	--	--	--	--
09-26-2012	1330	--	--	--	--	--	--	--