

Water-Data Report 2012

355609079123701 Local number OR-686 COL-2 NEAR WHITE CROSS, NC (TRANSITION ZONE)

 Piedmont and Blue Ridge crystalline-rock aquifers
 Transition Zone

Orange County, NC

LOCATION.--Lat 35°56'09.47", long 79°12'36.54" 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 41.5 ft. Upper casing diameter 4 in; top of first opening 26.5 ft, bottom of last opening 41.5 ft.

DATUM.--Land-surface datm is 560 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.99 ft above land-surface datum.

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

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

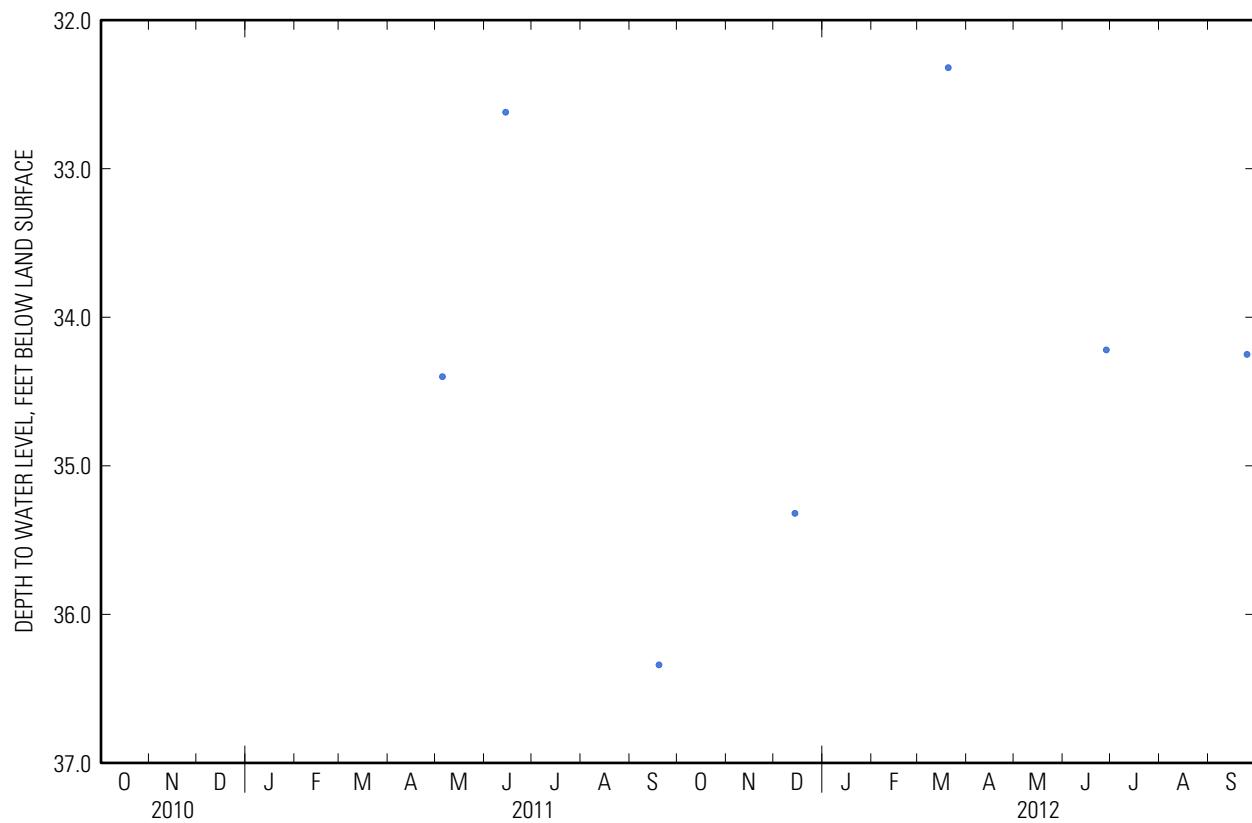
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.32 ft below land-surface datum, March 20, 2012; lowest water level measured, 36.34 ft below land-surface datum, September 19, 2011.

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 14, 2011	35.32	T	--	Jun 28, 2012	34.22	T	--
Mar 20, 2012	32.32	T	--	Sep 25	34.25	T	--

355609079123701 Local number OR-686 COL-2 NEAR WHITE CROSS, NC (TRANSITION ZONE)—Continued



355609079123701 Local number OR-686 COL-2 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; M, presence verified but not quantified]

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)
12-14-2011	1400	Groundwater	Regular	35.32	3.4	5.4	85	15.5
03-20-2012	1445	Groundwater	Regular	32.32	7.4	5.5	74	16.1
03-20-2012	1446	QC sample - Groundwater	Duplicate	--	--	--	--	--
06-28-2012	1315	Groundwater	Regular	34.22	6.0	5.5	73	19.0
09-25-2012	1255	Groundwater	Regular	34.25	5.6	5.4	73	16.7

**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; M, presence verified but not quantified]

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)
12-14-2011	1400	23	4.01	1.70	0.99	7.77	23	26.0	3.39
03-20-2012	1445	15	3.42	1.38	.57	6.50	22	22.7	3.47
03-20-2012	1446	--	--	--	--	--	--	--	--
06-28-2012	1315	22	4.07	1.64	.79	8.25	--	25.4	3.35
09-25-2012	1255	4.2	4.03	1.65	.69	7.78	22	25.2	3.39

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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; M, presence verified but not quantified]

Date	Sample start time	Fluoride, water, filtered, mg/L	Sulfate, water, filtered, mg/L	Ammonia, water, filtered, mg/L as N	Nitrate plus nitrite, water, filtered, mg/L as N	Orthophosphate, water, filtered, mg/L as P	Phosphorus, water, filtered, mg/L as P	Total nitrogen, water, filtered, analytically determined, mg/L	Escherichia coli, Defined Substrate Technology, water, MPN/100 mL
		(00950)	(00945)	(00608)	(00631)	(00671)	(00666)	(62854)	(50468)
12-14-2011	1400	< .04	3.32	0.015	0.750	0.027	0.016	0.80	< 1
03-20-2012	1445	.07	1.86	.011	.938	.033	.025	.97	< 2
03-20-2012	1446	--	--	--	--	--	--	--	--
06-28-2012	1315	.07	2.91	<.010	.782	.031	.025	.79	< 1
09-25-2012	1255	.07	2.61	<.010	.813	.032	.028	.86	< 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; M, presence verified but not quantified]

Date	Sample start time	Fecal coliform, M-FC MF (0.45 micron) method, water, filtered, col/100 mL	Dichlorobenzene, Iron, unfiltered, water, recoverable, µg/L	Atrazine, unfiltered, water, recoverable, µg/L	Bromacil, unfiltered, water, recoverable, µg/L	Camphor, unfiltered, water, recoverable, µg/L	Carbaryl, unfiltered, water, recoverable, µg/L	Carbazole, unfiltered, water, recoverable, µg/L	Chlorpyrifos, water, unfiltered, recoverable, µg/L	
		(31616)	(01046)	(34571)	(39630)	(30234)	(62817)	(39750)	(77571)	(38932)
12-14-2011	1400	< 2	75.4	<.08	<.16	<.16	1.08	<.06	<.020	<.12
03-20-2012	1445	< 2	12.1	--	--	--	--	--	--	--
03-20-2012	1446	< 2	--	--	--	--	--	--	--	--
06-28-2012	1315	< 2	33.4	--	--	--	--	--	--	--
09-25-2012	1255	2	32.4	--	--	--	--	--	--	--

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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; M, presence verified but not quantified]

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)	Metalaxy, water, unfiltered, recoverable, µg/L (04254)	Metola-chlor, water, unfiltered, recoverable, µg/L (82612)	p-Cresol, water, unfiltered, recoverable, µg/L (77146)	Penta-chlorophenol, water, unfiltered, recoverable, µg/L (39032)	Prometon, water, unfiltered, recoverable, µg/L (39056)	Thiabenda-zole, water, filtered, recoverable, micrograms per liter (62801)
12-14-2011	1400	1.10	<.32	<.08	<.16	<.04	<.08	<1.6	<.16	<.060
03-20-2012	1445	--	--	--	--	--	--	--	--	--
03-20-2012	1446	--	--	--	--	--	--	--	--	--
06-28-2012	1315	--	--	--	--	--	--	--	--	--
09-25-2012	1255	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 6 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; M, presence verified but not quantified]

Date	Sample start time	1,7-Dimethylxanthine, water, filtered, recoverable, micrograms per liter (62030)	1-Methyl-naphthalene, water, unfiltered, recoverable, µg/L (81696)	2,6-Dimethyl-naphthalene, water, unfiltered, recoverable, µg/L (62805)	2-Methyl-naphthalene, water, unfiltered, recoverable, µg/L (30194)	3,4-Dichlorophenyl isocyanate, water, unfiltered, recoverable, µg/L (63145)	3-beta-Coprostanol, 1H-indole, water, unfiltered, recoverable, µg/L (62806)	3-Methylhydroxyanisole, water, unfiltered, recoverable, µg/L (62807)	3-tert-Butyl-4-hydroxy-anisole, water, unfiltered, recoverable, µg/L (61702)	4-Cumylphenol, water, unfiltered, recoverable, µg/L (62808)
12-14-2011	1400	<.100	0.01	0.02	0.01	<.32	<1.6	<.04	<.16	<.04
03-20-2012	1445	--	--	--	--	--	--	--	--	--
03-20-2012	1446	--	--	--	--	--	--	--	--	--
06-28-2012	1315	--	--	--	--	--	--	--	--	--
09-25-2012	1255	--	--	--	--	--	--	--	--	--

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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; M, presence verified but not quantified]

Date	Sample start time	4-Epichlortetraacycline, water, filtered, recoverable, e, microgram s per liter (63731)	4-Epoxytetracycline, water, filtered, recoverable, e, microgram s per liter (63729)	4-Epitetracycline, water, filtered, recoverable, e, microgram s per liter (63727)	4-n-Octylphenol, recoverable, e, µg/L (62809)	4-Nonylphenol diethoxylate, recoverable, e, µg/L (62829)	4-Nonylphenol monoethoxylate, recoverable, e, µg/L (61703)	4-tert-Octylphenol diethoxylate, recoverable, e, µg/L (61704)	4-tert-Octylphenol monoethoxylate, recoverable, e, µg/L (62486)	4-tert-Octylphenol monoethoxylate, recoverable, e, µg/L (62485)
12-14-2011	1400	<.010	<.010	<.010	<.02	E 1.3	<1.6	<1.6	<.2	<.6
03-20-2012	1445	--	--	--	--	--	--	--	--	--
03-20-2012	1446	--	--	--	--	--	--	--	--	--
06-28-2012	1315	--	--	--	--	--	--	--	--	--
09-25-2012	1255	--	--	--	--	--	--	--	--	--

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; M, presence verified but not quantified]

Date	Sample start time	4-tert-Octylphenol, water, unfiltered, recoverable, e, µg/L (62810)	5-Methyl-1H-benzotriazole, water, unfiltered, recoverable, e, µg/L (61944)	9,10-Anthraquinone, water, unfiltered, recoverable, e, µg/L (62813)	Acetamino phen, water, filtered, recoverable, e, microgram s per liter (62000)	Aceto-phenone, water, unfiltered, recoverable, e, µg/L (62811)	tetrahydro naphthalene, water, unfiltered, recoverable, e, µg/L (62812)	Albuterol, water, filtered, recoverable, e, microgram s per liter (62020)	Anhydroert hromycin, water, filtered, recoverable, e, microgram s per liter (63674)	Anthracene, water, unfiltered, recoverable, e, µg/L (34220)
12-14-2011	1400	<.4	<1.28	<.04	<.120	<.4	<.04	<.080	<.005	<.02
03-20-2012	1445	--	--	--	--	--	--	--	--	--
03-20-2012	1446	--	--	--	--	--	--	--	--	--
06-28-2012	1315	--	--	--	--	--	--	--	--	--
09-25-2012	1255	--	--	--	--	--	--	--	--	--

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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; M, presence verified but not quantified]

Date	Sample start time	Azithromyc	BDE	Benzo[a]-	Benzo-	beta-Sitos-	beta-Stig-	Bis(2-	Caffeine,	Caffeine,
		in, water, filtered, recoverabl	47, water, unfilterd, recoverabl	pyrene, water, unfilterd, recoverabl	phenone, water, unfilterd, recoverabl	terol, water, unfilterd, recoverabl	mastanol, water, unfilterd, recoverabl	phthalate, water, unfilterd, recoverabl	water, filtered, recoverabl	water, unfilterd, recoverabl
		e, microgram s per liter (62792)	recoverable, µg/L (63147)	recoverable, µg/L (34247)	recoverable, µg/L (62814)	recoverable, µg/L (62815)	recoverable, µg/L (61948)	recoverable, µg/L (39100)	recoverable, µg/L (50305)	recoverable, µg/L (81436)
12-14-2011	1400	<.005	<.04	<.02	0.04	<4.8	<3.4	2	<.060	<.08
03-20-2012	1445	--	--	--	--	--	--	--	--	--
03-20-2012	1446	--	--	--	--	--	--	--	--	--
06-28-2012	1315	--	--	--	--	--	--	--	--	--
09-25-2012	1255	--	--	--	--	--	--	--	--	--

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; M, presence verified but not quantified]

Date	Sample start time	Carbamaze	Chloramph	Chlortetra	Choles-	Ciprofloxa	Codeine,	Cotinine,	Cotinine,	Dehydronif
		pine, water, filtered, recoverabl	enicol, water, filtered, recoverabl	cycline, water, filtered, recoverabl	terol, water, unfilterd, recoverabl	cin, water, filtered, recoverabl	water, filtered, recoverabl	water, filtered, recoverabl	water, unfilterd, recoverabl	edipine, water, filtered, recoverabl
		e, microgram s per liter (62793)	microgram s per liter (65194)	microgram s per liter (61744)	recover- able, µg/L (62818)	microgram s per liter (62898)	microgram s per liter (62003)	recover- able, µg/L (62005)	recover- able, µg/L (61945)	e, microgram s per liter (62004)
12-14-2011	1400	<.005	<.100	<.010	<1.6	<.005	<.046	<.038	<.08	<.080
03-20-2012	1445	--	--	--	--	--	--	--	--	--
03-20-2012	1446	--	--	--	--	--	--	--	--	--
06-28-2012	1315	--	--	--	--	--	--	--	--	--
09-25-2012	1255	--	--	--	--	--	--	--	--	--

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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Date	Sample start time	Doxycyclin e, water, filtered								Hexa- hydro- hexa- methyl cyclo- penta- benzo- pyran, water, unfiltered,
		Diethyl phthalate, water, unfiltered, recoverable, e, microgram (34336)	Diltiazem, water, filtered, recoverable, e, microgram (62008)	Diphenhyd- ramine, water, filtered, recoverable, e, microgram (62796)	D- Limonene, water, unfiltered, recoverable, e, microgram (62819)	(0.7 micron glass fiber filter), in, water, filtered, recoverable, e, microgram (62694)	Enrofloxac- in, water, filtered, recoverable, e, microgram (66495)	Erythromyc- in, water, filtered, recoverable, e, microgram (62797)	Fluoran- thene, water, unfiltered, recoverable, e, µg/L (34376)	
12-14-2011	1400	0.2	<.060	<.058	<.16	<.010	<.005	<.008	<.02	<.04
03-20-2012	1445	--	--	--	--	--	--	--	--	--
03-20-2012	1446	--	--	--	--	--	--	--	--	--
06-28-2012	1315	--	--	--	--	--	--	--	--	--
09-25-2012	1255	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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Date	Sample start time	Isochlortet- racycline, Isoepichlo- racycline, rotetetracycl Indole, Isoborneol, water, water, water, filtered, unfiltered, recoverable, recoverable, e, e, e, recoverable, recoverable, recoverable, microgram s per liter (62014)								Iso- phorone, benzene, water, water, unfiltered, unfiltered, recoverable, recoverable, e, e, recoverable, recoverable, recoverable, µg/L (34408)	Iso- quinoline, quinoline, water, water, unfiltered, unfiltered, recoverable, recoverable, e, e, µg/L (77223)	Lincomy- cillin, water, filtered, recoverable, e, microgram s per liter (62894)
		Isoborneol, water, unfiltered, recoverable, e, recoverable, e, recoverable, e, µg/L (62824)	Indole, water, unfiltered, recoverable, e, recoverable, e, recoverable, e, µg/L (62825)	water, water, unfiltered, recoverable, e, recoverable, e, recoverable, e, µg/L (64175)	water, water, unfiltered, recoverable, e, recoverable, e, recoverable, e, µg/L (64047)	water, water, unfiltered, recoverable, e, recoverable, e, recoverable, e, µg/L (34408)						
12-14-2011	1400	<.050	<.04	<.090	<.010	<.010	<.050	<.04	<.04	<.005		
03-20-2012	1445	--	--	--	--	--	--	--	--	--		
03-20-2012	1446	--	--	--	--	--	--	--	--	--		
06-28-2012	1315	--	--	--	--	--	--	--	--	--		
09-25-2012	1255	--	--	--	--	--	--	--	--	--		

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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Date	Sample start time	Norfloxaci				Oxytetracy				Phenanthrene, water, unfiltered, recoverable, µg/L (34461)
		Lomefloxa cin, water, filtered, recoverabl e, microgram s per liter (62900)	Menthol, unfilterd, recover- able, µg/L (62827)	Methyl salicylate, water, unfilterd, recover- able, µg/L (62828)	Naphtha- lene, water, unfilterd, recover- able, µg/L (34696)	(0.7 micron glass fiber (62757)	Ofloxacin, water, filtered, recoverabl e, microgram s per liter (62899)	Ormetopri m, water, filtered, recoverabl e, microgram s per liter (62962)	cline, water, filtered, recoverabl e, microgram s per liter (61759)	
12-14-2011	1400	<.005	<.32	<.08	0.05	<.005	<.005	<.005	<.010	<.02
03-20-2012	1445	--	--	--	--	--	--	--	--	--
03-20-2012	1446	--	--	--	--	--	--	--	--	--
06-28-2012	1315	--	--	--	--	--	--	--	--	--
09-25-2012	1255	--	--	--	--	--	--	--	--	--

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; M, presence verified but not quantified]

Date	Sample start time	Sulfachlor				Sulfadimet				Sulfamethoxazole, water, filtered, recoverable, µg/L (62775)
		Sarafloxac in, water, filtered, recoverabl e, microgram s per liter (34694)	Pyrene, water, unfilterd, recover- able, µg/L (34469)	Roxithrom ycin, water, unfilterd, recoverabl e, microgram s per liter (62895)	Sarafloxac pyridazine, water, filtered (0.7 micron glass fiber (62771)	(0.7 micron glass fiber (62774)	Sulfadiazi ne, water, filterd, recoverabl e, microgram s per liter (62963)	(0.7 micron glass fiber (62776)	Sulfadimet hoxine, water, filtered e, microgram s per liter (61762)	
12-14-2011	1400	<.16	<.02	<.005	<.005	<.005	<.005	<.005	<.005	<.005
03-20-2012	1445	--	--	--	--	--	--	--	--	--
03-20-2012	1446	--	--	--	--	--	--	--	--	--
06-28-2012	1315	--	--	--	--	--	--	--	--	--
09-25-2012	1255	--	--	--	--	--	--	--	--	--

355609079123701 Local number OR-686 COL-2 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; M, presence verified but not quantified]

Date	Sample start time	Sulfathiazole, water, filtered (0.7 micron oxazole, water, glass fiber filtered, recoverable, e, microgram s per liter (62021)	Tetracycline, water, filtered (0.7 micron chloroethene, water, recoverable, e, microgram s per liter (62778)	Tri bromo methane, water, unfiltered, recoverable, e, microgram s per liter (34475)	Tributyl phosphate, water, unfiltered, recoverable, e, microgram s per liter (62781)	Triclosan, water, unfiltered, recoverable, e, microgram s per liter (32104)	Triethyl citrate, water, unfiltered, recoverable, e, microgram s per liter (62832)	Trimethoprim, water, unfiltered, recoverable, e, microgram s per liter (61708)	Trimethoprim, water, unfiltered, recoverable, e, microgram s per liter (62833)	
12-14-2011	1400	< .091	< .005	M	< .010	0.01	0.018	< .32	< .04	< .005
03-20-2012	1445	--	--	--	--	--	--	--	--	--
03-20-2012	1446	--	--	--	--	--	--	--	--	--
06-28-2012	1315	--	--	--	--	--	--	--	--	--
09-25-2012	1255	--	--	--	--	--	--	--	--	--

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; M, presence verified but not quantified]

Date	Sample start time	Tris(2-butoxyethyl) phosphate, water, unfiltered, recoverable, e, µg/L (62834)	Tris(2-chloroethyl) phosphate, water, unfiltered, recoverable, e, µg/L (62830)	Tris(di-chloroisopropyl) phosphate, water, unfiltered, recoverable, e, µg/L (62831)	Tylosin, water, unfiltered, recoverable, e, µg/L (61707)	Virginiamycin, water, filtered, recoverable, e, µg/L (62896)	Warfarin, water, filtered, recoverable, e, µg/L (62897)	Warfarin, water, filtered, recoverable, e, µg/L (62024)
12-14-2011	1400	< .08	< .64	E .02	< .32	< .010	< .005	< .080
03-20-2012	1445	--	--	--	--	--	--	--
03-20-2012	1446	--	--	--	--	--	--	--
06-28-2012	1315	--	--	--	--	--	--	--
09-25-2012	1255	--	--	--	--	--	--	--