Water-Data Report 2011

352803083012401 Local number HW-077 NEAR HYATT CREEK, NC

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Haywood County, NC

LOCATION.--Lat 35°28′03″, long 83°01′24″ referenced to North American Datum of 1983, Haywood County, NC, Hydrologic Unit 06010106, 0.19 mi north of Hyatt Creek Road, 0.53 mi west of United States Highway 23 near Waynesville, NC.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth not determined, diameter 6 in.

DATUM.--Land-surface datum is 2,820 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1.34 ft above land-surface datum, August 2010.

PERIOD OF RECORD.--August 2010.

GAGE.--Measured with acoustic pulse instrument.

REMARKS.--Well sampled as part of a study evaluation the effect of septic systems on groundwater in Haywood County, North Carolina. Cooperators for the study include the Haywood Waterways Association, the North Carolina Department of Environment and Natural Resources, Division of Water Quality, Asheville Regional Office, the North Carolina Department of the Environment and Natural Resources, Division of Environmental Health, Wasterwater Discharge Elimination Program, Asheville Regional Office, and the North Carolina State University, Soil Science Department.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

[Measurement method: . Water-level status: P, site was being pumped.]

Date	Water level	Measurement method	Water- level status
Aug 24, 2010	19	P	P

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 352803083012401, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/352803083012401.2011.pdf

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2010.

REMARKS.--Well sampled as part of a study evaluation the effect of septic systems on groundwater in Haywood County, North Carolina. Cooperators for the study include the Haywood Waterways Association, the North Carolina Department of Environment and Natural Resources, Division of Water Quality, Asheville Regional Office, the North Carolina Department of the Environment and Natural Resources, Division of Environmental Health, Wasterwater Discharge Elimination Program, Asheville Regional Office, and the North Carolina State University, Soil Science Department.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 8

[mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Dissolved oxygen, water, 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)	Boron, water, filtered, µg/L (01020)	1,4-Dichlorobenzene, water, filtered, recoverable, µg/L (34572)
08-24-2010	**1220**	Groundwater	Regular	693	6.5	6.8	99	15.0	< 2.0	< 0.040

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 8

[mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Bromacil, water, filtered, recoverable, µg/L (04029)	Camphor, water, filtered, recoverable, µg/L (62070)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbazole, water, filtered, recoverable, µg/L (62071)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	DEET, water, filtered, recoverable, µg/L (62082)	Diazinon, water, filtered, recoverable, µg/L (39572)	Metalaxyl, water, filtered, recoverable, µg/L (50359)	Metolachlor, water, filtered, recoverable, µg/L (39415)
08-24-2010	**1220**	< .4	< 0.044	< 0.38	< 0.030	< .2	< .1	< .2	< .1	< .1

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
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[mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	p-Cresol, water, filtered, recoverable, µg/L (62084)	Prometon, water, filtered, recoverable, µg/L (04037)	1-Methylnaphthalene, water, filtered, recoverable, µg/L (62054)	2,6-Dimethylnaphthalene, water, filtered, recoverable, µg/L (62055)	2-Methylnaphthalene, water, filtered, recoverable, µg/L (62056)	3-beta-Coprostanol, water, filtered, recoverable, µg/L (62057)	3-Methyl-1H-indole, water, filtered, recoverable, µg/L (62058)	3-tert-Butyl-4-hydroxyanisole, water, filtered, recoverable, µg/L (62059)	4-Cumylphenol, water, filtered, recoverable, µg/L (62060)
08-24-2010	1220	< .08	< .1	< 0.022	< .1	< 0.036	< 2	< 0.036	< 8	< 0.06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
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[mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	4-n-Octylphenol, water, filtered, recoverable, µg/L (62061)	4-Nonylphenol (sum of all isomers), water, filtered, recoverable, µg/L (62085)	4-Nonylphenol diethoxylate (sum of all isomers), water, filtered, recoverable, µg/L (62083)	4-tert-Octylphenol diethoxylate, water, filtered, recoverable, µg/L (61705)	4-tert-Octylphenol monoethoxylate, water, filtered, recoverable, µg/L (61706)	4-tert-Octylphenol, water, filtered, recoverable, µg/L (62062)	5-Methyl-1H-benzotriazole, water, filtered, recoverable, µg/L (62063)	9,10-Anthraquinone, water, filtered, recoverable, µg/L (62066)	Acetophenone, water, filtered, recoverable, µg/L (62064)
08-24-2010	1220	< 0.16	< 2	< 5	< 1	< 1	< 0.14	< 1	< .2	< .4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
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[mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Acetyl hexamethyl tetrahydro naphthalene, water, filtered, recoverable, µg/L (62065)	Anthracene, water, filtered, recoverable, µg/L (34221)	Benzo[a]pyrene, water, filtered, recoverable, µg/L (34248)	Benzophenone, water, filtered, recoverable, µg/L (62067)	beta-Sitosterol, water, filtered, recoverable, µg/L (62068)	beta-Stigmastanol, water, filtered, recoverable, µg/L (62086)	Caffeine, water, filtered, recoverable, µg/L (50305)	Cholesterol, water, filtered, recoverable, µg/L (62072)	Cotinine, water, filtered, recoverable, µg/L (62005)
08-24-2010	1220	< 0.028	< 0.028	< .1	< .1	< 4	< 3	< .1	< 2	< .600

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
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[mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	D-Limonene, water, filtered, recoverable, µg/L (62073)	Fluoranthene, water, filtered, recoverable, µg/L (34377)	Indole, water, filtered, recoverable, µg/L (62076)	Isoborneol, water, filtered, recoverable, µg/L (62077)	Isophorone, water, filtered, recoverable, µg/L (34409)	Isopropylbenzene, water, filtered, recoverable, µg/L (62078)	Isoquinoline, water, filtered, recoverable, µg/L (62079)	Menthol, water, filtered, recoverable, µg/L (62080)	Methyl salicylate, water, filtered, recoverable, µg/L (62081)
08-24-2010	1220	< .1	< 0.024	< .1	< .2	< .1	< .3	< 0.046	< .3	< 0.044

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
Part 7 of 8
[mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Naphthalene, water, filtered, recoverable, µg/L (34443)	Phenanthrene, water, filtered, recoverable, µg/L (34462)	Phenol, water, filtered, recoverable, µg/L (34466)	Pyrene, water, filtered, recoverable, µg/L (34470)	Tetrachloroethene, water, filtered, recoverable, µg/L (34476)	Tribromomethane, water, filtered, recoverable, µg/L (34288)	Tributyl phosphate, water, filtered, recoverable, µg/L (62089)	Triclosan, water, filtered, recoverable, µg/L (62090)	Triethyl citrate, water, filtered, recoverable, µg/L (62091)
08-24-2010	1220	< 0.040	< 0.032	< .2	< 0.042	< .1	< .1	< .2	< 0.20	< .4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
Part 8 of 8
[mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Triphenyl phosphate, water, filtered, recoverable, µg/L (62092)	Tris(2-butoxyethyl) phosphate, water, filtered, recoverable, µg/L (62093)	Tris(2-chloroethyl) phosphate, water, filtered, recoverable, µg/L (62087)	Tris(dichloroisopropyl) phosphate, water, filtered, recoverable, µg/L (62088)
08-24-2010	1220	< .1	< .8	< .1	< .2