



Water-Data Report 2011

352756083013101 Local number HW-081 NEAR HYATT CREEK, NC

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Haywood County, NC

LOCATION.--Lat 35°27'56.4", long 83°01'30.8" referenced to North American Datum of 1983, Haywood County, NC, Hydrologic Unit 06010106, 200 ft north of Hyatt Creek Road, 0.6 mi west of United States Highway 23 near Waynesville, NC.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Reported depth 400 ft, diameter 6 in.

DATUM.--Land-surface datum is 2,840 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1.20 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 25, 2010	106	P	P

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2010.

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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)	1,4-Dichlorobenzene, water, filtered, recoverable, µg/L (34572)	Bromacil, water, filtered, recoverable, µg/L (04029)
08-25-2010	1130	Groundwater	Regular	687	5.5	6.9	104	14.4	< 0.040	< .4

WATER-QUALITY DATA
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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	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)	p-Cresol, water, filtered, recoverable, µg/L (62084)
08-25-2010	1130	< 0.044	< 0.38	< 0.030	< .2	< .1	< .2	< .1	< .1	< .08

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WATER-QUALITY DATA

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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	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)	4-n-Octylphenol, water, filtered, recoverable, µg/L (62061)
08-25-2010	1130	< .1	< 0.022	< .1	< 0.036	< 2	< 0.036	< 8	< 0.06	< 0.16

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-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 ethoxylate, 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)	Acetyl hexamethyl tetrahydronaphthalene, water, filtered, recoverable, µg/L (62065)
08-25-2010	1130	< 2	< 5	< 1	< 1	< 0.14	< 1	< .2	< .4	< 0.028

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	Anthracene, water, filtered, recoverable, µg/L (34221)	Benzo[a]pyrene, water, filtered, recoverable, µg/L (34248)	Benzo-phenone, water, filtered, recoverable, µg/L (62067)	beta-Sitosterol, water, filtered, recoverable, µg/L (62068)	beta-Stigmas-tanol, 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)	D-Limonene, water, filtered, recoverable, µg/L (62073)
08-25-2010	1130	< 0.028	< .1	< .1	< 4	< 3	< .1	< 2	< .600	< .1

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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	Fluoranthene, water, filtered, recoverable, µg/L (34377)	Indole, water, filtered, recoverable, µg/L (62076)	Isoborneol, water, filtered, recoverable, µg/L (62077)	Iso-phorone, water, filtered, recoverable, µg/L (34409)	Isopropyl-benzene, water, filtered, recoverable, µg/L (62078)	Iso-quinoline, water, filtered, recoverable, µg/L (62079)	Menthol, water, filtered, recoverable, µg/L (62080)	Methyl salicylate, water, filtered, recoverable, µg/L (62081)	Naphthalene, water, filtered, recoverable, µg/L (34443)
08-25-2010	1130	< 0.024	< .1	< .2	< .1	< .3	< 0.046	< .3	< 0.044	< 0.040

WATER-QUALITY DATA
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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	Phenanthrene, water, filtered, recoverable, µg/L (34462)	Pyrene, water, filtered, recoverable, µg/L (34470)	Tetra-chloro-ethene, water, filtered, recoverable, µg/L (34476)	Tribromo-methane, 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)	Triphenyl phosphate, water, filtered, recoverable, µg/L (62092)	Tris(2-butoxy-ethyl) phosphate, water, filtered, recoverable, µg/L (62093)
08-25-2010	1130	< 0.032	< 0.042	< .1	< .1	< .2	< 0.20	< .4	< .1	< .8

WATER-QUALITY DATA
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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	Tris(2-chloro-ethyl) phosphate, water, filtered, recoverable, µg/L (62087)	Tris(di-chloroiso-propyl) phosphate, water, filtered, recoverable, µg/L (62088)
08-25-2010	1130	< .1	< .2