



Water-Data Report 2011

352806083014001 Local number HW-079 NEAR HYATT CREEK, NC

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Haywood County, NC

LOCATION.--Lat 35°28'06", long 83°01'40" referenced to North American Datum of 1983, Haywood County, NC, Hydrologic Unit 06010106, 0.2 mi north-northwest of Hyatt Creek Road, 0.7 mi west of United States Highway 23 near Waynesville.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth undetermined, casing diameter 6 in.

DATUM.--Land-surface datum is 2,900 ft above National Geodetic Vertical Datum of 1929.

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; E, estimated]

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-Dichloro-benzene, water, filtered, recoverable, µg/L (34572)	Bromacil, water, filtered, recoverable, µg/L (04029)
08-24-2010	1510	Groundwater	Regular	693	6.6	6.5	114	14.6	< 0.040	< .4

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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; E, estimated]

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)	Chlor-pyrifos, 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)
08-24-2010	1510	< 0.044	< 0.38	< 0.030	< .2	< .1	< .2	< .1	< .1	< .08

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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; E, estimated]

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-Coprosanol, 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)
08-24-2010	1510	< .1	< 0.022	< .1	< 0.036	< 2	< 0.036	< 8	< 0.06	< 0.16

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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; E, estimated]

Date	Sample start time	4-Nonylphenol (sum of all isomers), water, filtered, recoverable, µg/L (62085)	4-Nonylphenol diethylate (sum of all isomers), water, filtered, recoverable, µg/L (62083)	4-tert-Octylphenol diethylate, 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)	Acetyl hexamethyl tetrahydronaphthalene, water, filtered, recoverable, µg/L (62065)
08-24-2010	1510	< 2	< 5	< 1	< 1	< 0.14	< 1	< .2	< .4	< 0.028

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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; E, estimated]

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)
08-24-2010	1510	< 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; E, estimated]

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)
08-24-2010	1510	< 0.024	< .1	< .2	< .1	< .3	< 0.046	< .3	< 0.044	< 0.040

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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; E, estimated]

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)
08-24-2010	1510	< 0.032	< 0.042	< .1	< .1	< .2	< 0.20	< .4	< .1	< .8

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Date	Sample start time	Tris(2- chloro- ethyl) phosphate, water, filtered, recover- able, μ g/L (62087)	Tris(di- chloroiso- propyl) phosphate, water, filtered, recover- able, μ g/L (62088)
08-24-2010	1510	E .1	< .2