



Water-Data Report 2011

352802083012501 Local number HW-085 NEAR HYATT CREEK, NC

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Haywood County, NC

LOCATION.--Lat 35°28'02.4", long 83°01'25.0" referenced to North American Datum of 1983, Haywood County, NC, Hydrologic Unit 06010106, 500 ft north of Hyatt Creek Road, 0.65 mi west of United States Highway 23 near Waynesville.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 106 ft, casing diameter 6 in.

DATUM.--Land-surface datum is 2,800 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; --, no data; <, less than; E, estimated]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Dissolved oxygen, unfiltered, water, 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)
08-26-2010	1145	Groundwater	Regular	695	6.7	6.3	100	14.5	E 1.1
08-26-2010	1600	QC sample - Artificial	Blank	--	--	--	--	--	--

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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; --, no data; <, less than; E, estimated]

Date	Sample start time	1,4-Dichlorobenzene, water, filtered, recoverable, µg/L (34572)	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)
08-26-2010	1145	< 0.040	< .4	< 0.044	< 0.38	< 0.030	< .2	< .1	< .2	< .1
08-26-2010	1600	< 0.040	< .4	< 0.044	< 0.38	< 0.030	< .2	< .1	< .2	< .1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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Date	Sample start time	Metolachlor, water, filtered, recoverable, µg/L (39415)	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-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)
08-26-2010	1145	< .1	< .08	< .1	< 0.022	< .1	< 0.036	< 2	< 0.036	< 8
08-26-2010	1600	< .1	< .08	< .1	< 0.022	< .1	< 0.036	< 2	< 0.036	< 8

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WATER-QUALITY DATA
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Date	Sample start time	4-Cumyl-phenol, water, filtered, recoverable, µg/L (62060)	4-n-Octyl-phenol, water, filtered, recoverable, µg/L (62061)	4-Nonyl-phenol (sum of all isomers), water, filtered, recoverable, µg/L (62085)	4-Nonyl-dieth-oxylate (sum of all isomers), water, filtered, recoverable, µg/L (62083)	4-tert-Octyl-phenol dieth-oxylate, water, filtered, recoverable, µg/L (61705)	4-tert-Octyl-phenol mono-ethoxylate, water, filtered, recoverable, µg/L (61706)	4-tert-Octyl-phenol, water, filtered, recoverable, µg/L (62062)	5-Methyl-1H-benzo-triazole, water, filtered, recoverable, µg/L (62063)	9,10-Anthra-quinone, water, filtered, recoverable, µg/L (62066)
08-26-2010	1145	< 0.06	< 0.16	< 2	< 5	< 1	< 1	< 0.14	< 1	< .2
08-26-2010	1600	< 0.06	< 0.16	< 2	< 5	< 1	< 1	< 0.14	< 1	< .2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

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Date	Sample start time	Aceto-phenone, water, filtered, recoverable, µg/L (62064)	Acetyl hexa-methyl tetrahydro naphtha-lene, water, filtered, recoverable, µg/L (62065)	Anthra-cene, water, filtered, recoverable, µg/L (34221)	Benzo[a]-pyrene, water, filtered, recoverable, µg/L (34248)	Benzo-phenone, water, filtered, recoverable, µg/L (62067)	beta-Sitos-terol, water, filtered, recoverable, µg/L (62068)	beta-Stigmas-tanol, water, filtered, recoverable, µg/L (62086)	Caffeine, water, filtered, recoverable, µg/L (50305)	Choles-terol, water, filtered, recoverable, µg/L (62072)
08-26-2010	1145	< .4	< 0.028	< 0.028	< .1	< .1	< 4	< 3	< .1	< 2
08-26-2010	1600	< .4	< 0.028	< 0.028	< .1	< .1	< 4	< 3	< .1	< 2

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Date	Sample start time	Cotinine, water, filtered, recoverable, µg/L (62005)	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)	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)
08-26-2010	1145	< .600	< .1	< 0.024	< .1	< .2	< .1	< .3	< 0.046	< .3
08-26-2010	1600	< .600	< .1	< 0.024	< .1	< .2	< .1	< .3	< 0.046	< .3

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Date	Sample start time	Methyl salicylate, water, filtered, recoverable, µg/L (62081)	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)	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)
08-26-2010	1145	< 0.044	< 0.040	< 0.032	--	< 0.042	< .1	< .1	< .2	< 0.20
08-26-2010	1600	< 0.044	< 0.040	< 0.032	< .2	< 0.042	< .1	< .1	< .2	< 0.20

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Date	Sample start time	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)	Tris(2-chloro-ethyl) phosphate, water, filtered, recoverable, µg/L (62087)	Tris(di-chloroiso-propyl) phosphate, water, filtered, recoverable, µg/L (62088)
08-26-2010	1145	< .4	< .1	< .8	< .1	< .2
08-26-2010	1600	< .4	< .1	< .8	< .1	< .2