



Water-Data Report 2011

**352754083013801 Local number HW-080 NEAR HYATT CREEK, NC**

Piedmont and Blue Ridge crystalline-rock aquifers  
Mafic Gneiss

Haywood County, NC

LOCATION.--Lat 35°27'54.6", long 83°01'38.3" referenced to North American Datum of 1983, Haywood County, NC, Hydrologic Unit 06010106, 100 ft north of Hyatt Creek Road, 0.83 mi west of United States Highway 23 near Waynesville, NC.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Reported depth 50 ft, diameter 6 in., cased to 38.7 ft.

DATUM.--Land-surface datum is 2,860 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1.30 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.]

<b>Date</b>	<b>Water level</b>	<b>Measurement method</b>	<b>Water- level status</b>
Aug 25, 2010	29	P	P

## 352754083013801 Local number HW-080 NEAR HYATT CREEK, NC—Continued

## 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; M, presence verified but not quantified]

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-Dichloro-benzene, water, filtered, recoverable, µg/L (34572)
08-25-2010	0950	Groundwater	Regular	690	5.8	6.0	125	14.3	5.9	< 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; M, presence verified but not quantified]

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)	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)	Metola-chlor, water, filtered, recoverable, µg/L (39415)
08-25-2010	0950	< .4	< 0.044	< 0.38	< 0.030	< .2	M	< .2	< .1	< .1

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## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 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; &lt;, less than; M, presence verified but not quantified]

Date	Sample start time	p-Cresol,	Prometon,	1-Methyl-	2,6-	2-Methyl-	3-beta-	3-Methyl-	3-tert-	4-Cumyl-
		water, filtered, recover- able, µg/L (62084)	water, filtered, recover- able, µg/L (04037)	naphtha- lene, water, filtered, recover- able, µg/L (62054)	Dimethyl- naphtha- lene, water, filtered, recover- able, µg/L (62055)	naphtha- lene, water, filtered, recover- able, µg/L (62056)	Copros- tanol, water, filtered, recover- able, µg/L (62057)	1H-indole, water, filtered, recover- able, µg/L (62058)	hydroxy- anisole, water, filtered, recover- able, µg/L (62059)	phenol, water, filtered, recover- able, µg/L (62060)
08-25-2010	0950	< .08	< .1	< 0.022	< .1	< 0.036	< 2	< 0.036	< 8	< 0.06

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 4 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; &lt;, less than; M, presence verified but not quantified]

Date	Sample start time	4-n-Octyl-	4-Nonyl-	4-Nonyl-	4-tert-	4-tert-	4-tert-	5-Methyl-	9,10-	Aceto-
		phenol, water, filtered, recover- able, µg/L (62061)	phenol (sum of all isomers), water, filtered, recover- able, µg/L (62085)	phenol dieth- oxylate (sum of all isomers), water, filtered, recover- able, µg/L (62083)	tert- Octyl- phenol dieth- oxylate, water, filtered, recover- able, µg/L (61705)	tert- Octyl- phenol mono- ethoxylate, water, filtered, recover- able, µg/L (61706)	tert- Octyl- phenol, water, filtered, recover- able, µg/L (62062)	1H-benzo- triazole, water, filtered, recover- able, µg/L (62063)	Anthra- quinone, water, filtered, recover- able, µg/L (62066)	phenone, water, filtered, recover- able, µg/L (62064)
08-25-2010	0950	< 0.16	< 2	< 5	< 1	< 1	< 0.14	< 1	< .2	< .4

## WATER-QUALITY DATA

## WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 5 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; &lt;, less than; M, presence verified but not quantified]

Date	Sample start time	Acetyl hexa- methyl tetrahydro naphtha- lene, water, filtered, recover- able, µg/L (62065)	Anthra- cene, water, filtered, recover- able, µg/L (34221)	Benzo[a]- pyrene, water, filtered, recover- able, µg/L (34248)	Benzo- phenone, water, filtered, recover- able, µg/L (62067)	beta-Sitos- terol, water, filtered, recover- able, µg/L (62068)	beta- Stigmas- tanol, water, filtered, recover- able, µg/L (62086)	Caffeine, water, filtered, recover- able, µg/L (50305)	Choles- terol, water, filtered, recover- able, µg/L (62072)	Cotinine, water, filtered, recover- able, µg/L (62005)
		08-25-2010	0950	< 0.028	< 0.028	< .1	< .1	< 4	< 3	< .1

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**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 6 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; M, presence verified but not quantified]

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)	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)
08-25-2010	0950	< .1	< 0.024	< .1	< .2	< .1	< .3	< 0.046	< .3	< 0.044

**WATER-QUALITY DATA**  
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Part 7 of 8

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Date	Sample start time	Naphthalene, water, filtered, recoverable, µg/L (34443)	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)
08-25-2010	0950	< 0.040	< 0.032	< 0.042	< .1	< .1	< .2	< 0.20	< .4	< .1

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 8 of 8

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Date	Sample start time	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)
08-25-2010	0950	< .8	< .1	< .2