



Water-Data Report 2008

385635077063101 Local number WW Ba 11

Piedmont and Blue Ridge crystalline-rock aquifers
 Undefined Aquifer
 Washington, DC

LOCATION.--Lat 38°56'34.8", long 77°06'31.4" referenced to North American Datum of 1983, Washington, DC, Hydrologic Unit 02070010, area of the Dalecarlia Reservoir.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 19.95 ft. Upper casing diameter 2 in; top of first opening 18.95 ft, bottom of last opening 19.95 ft. Drilled, observation well.

DATUM.--Land-surface datum is 160.55 ft above North American Vertical Datum of 1988. Measuring point: Top of 1 in casing, 3.23 ft above land-surface datum, Dec. 20, 2006, to present.

PERIOD OF RECORD.--March 2006 to June 2008 (discontinued).

GAGE.--Water-level measurements by U.S. Geological Survey personnel.

REMARKS.--Investigation of groundwater discharge to the Dalecarlia Reservoir

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.77 ft above sea level, June 29, 2007 (recorder); lowest measured, 148.46 ft above sea level, December 20, 2006.

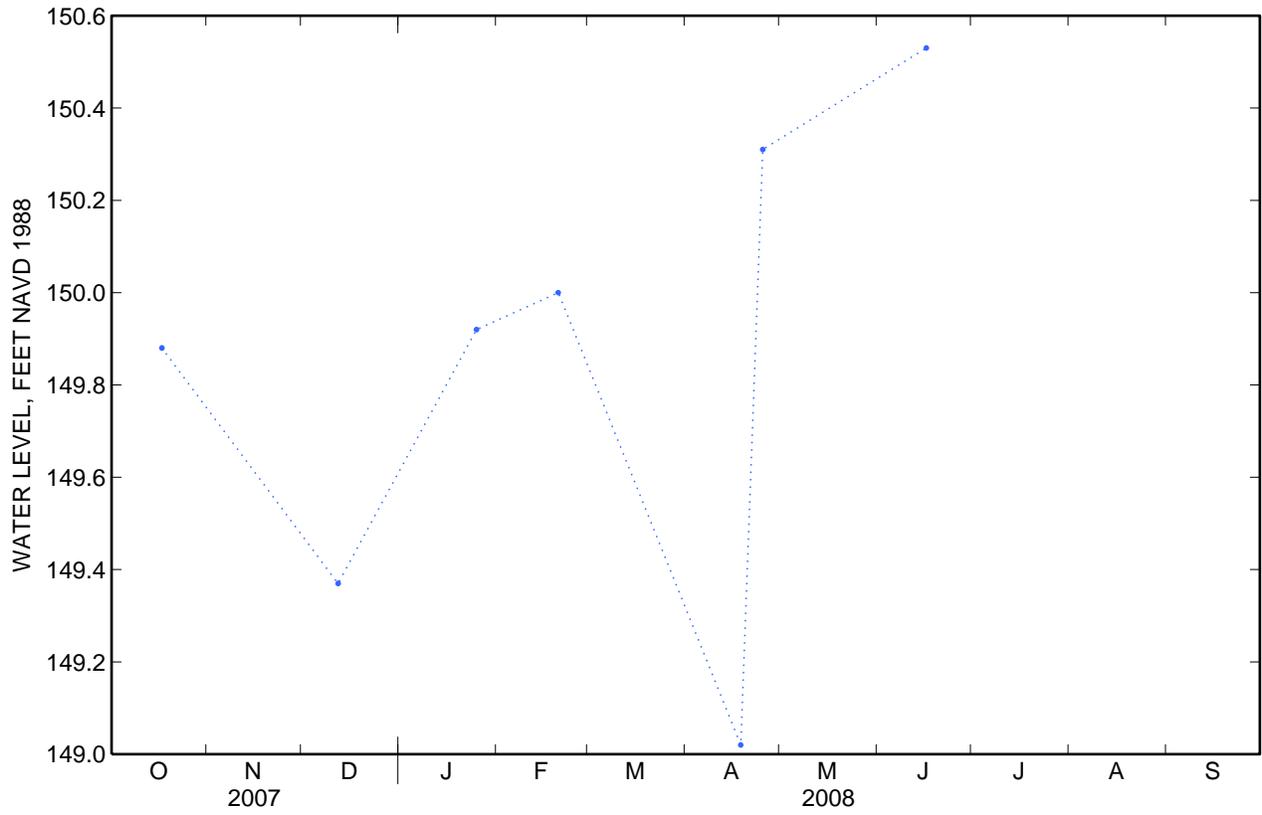
**WATER SURFACE ELEVATION IN FEET NAVD 1988
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

[Measurement method: T, electric tape. Water-level status: - , static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 17	149.88	T	--	Apr 18	149.02	T	--
Dec 12	149.37	T	--	25	150.31	T	--
Jan 25	149.92	T	--	Jun 16	150.53	T	--
Feb 20	150.00	T	--				

Water year 2008; lowest: 149.02 Apr 18, 2008 highest: 150.53 Jun 16, 2008

385635077063101 Local number WW Ba 11—Continued



385635077063101 Local number WW Ba 11—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--2006 to current year.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Sample medium and type	Geologic unit	Depth of well, feet below LSD (72008)	Water level, depth below MP, feet (61055)	Turbidity, IR LED light, 90 deg, FNU (63680)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)
Dec 12...	1100	Ground water, regular	000SPRL	19.95	14.41	8.1	2.0	7.0	7.5

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Specif- conduc- tance, wat unf lab, µS/cm 25 degC (90095)	Specif- ic conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Alka- linity, wat flt inf tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt infl pt titr., field, mg/L (00453)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)
Dec 12...	637	631	16.5	43.6	13.4	4.93	57.7	86	79	96	104	.27	13.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 3

[Remark codes: <, less than; E, estimated.]

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitro- gen, wat flt by anal ysis, mg/L (62854)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Iron, water, fltrd, µg/L (01046)	Mangan- ese, water, fltrd, µg/L (01056)	Sam- pler type, code (84164)	Sam- pling method, code (82398)
Dec 12...	58.4	E.012	E.022	<.002	.13	.006	E8	56.3	4045	4047