



Water-Data Report 2008

385629077062701 Local number WW Ba 21

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

LOCATION.--Lat 38°56'28.6", long 77°06'27.1" referenced to North American Datum of 1983, Washington, DC, Hydrologic Unit 02070010, area of the Dalecarlia Reservoir.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 53.2 ft. Upper casing diameter 4 in; top of first opening 37.5 ft, bottom of last opening 53.2 ft. Drilled, observation well. Open hole below 37.5 ft.

DATUM.--Land-surface datum is 192.1 ft above North American Vertical Datum of 1988. Measuring point: Top of inner casing, 2.45 ft above land-surface datum, June 1, 2005, to present.

PERIOD OF RECORD.--March 2, 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, 151.74 ft above sea level, June 16, 2007; lowest measured, 149.49 ft above sea level, October 16, 2007.

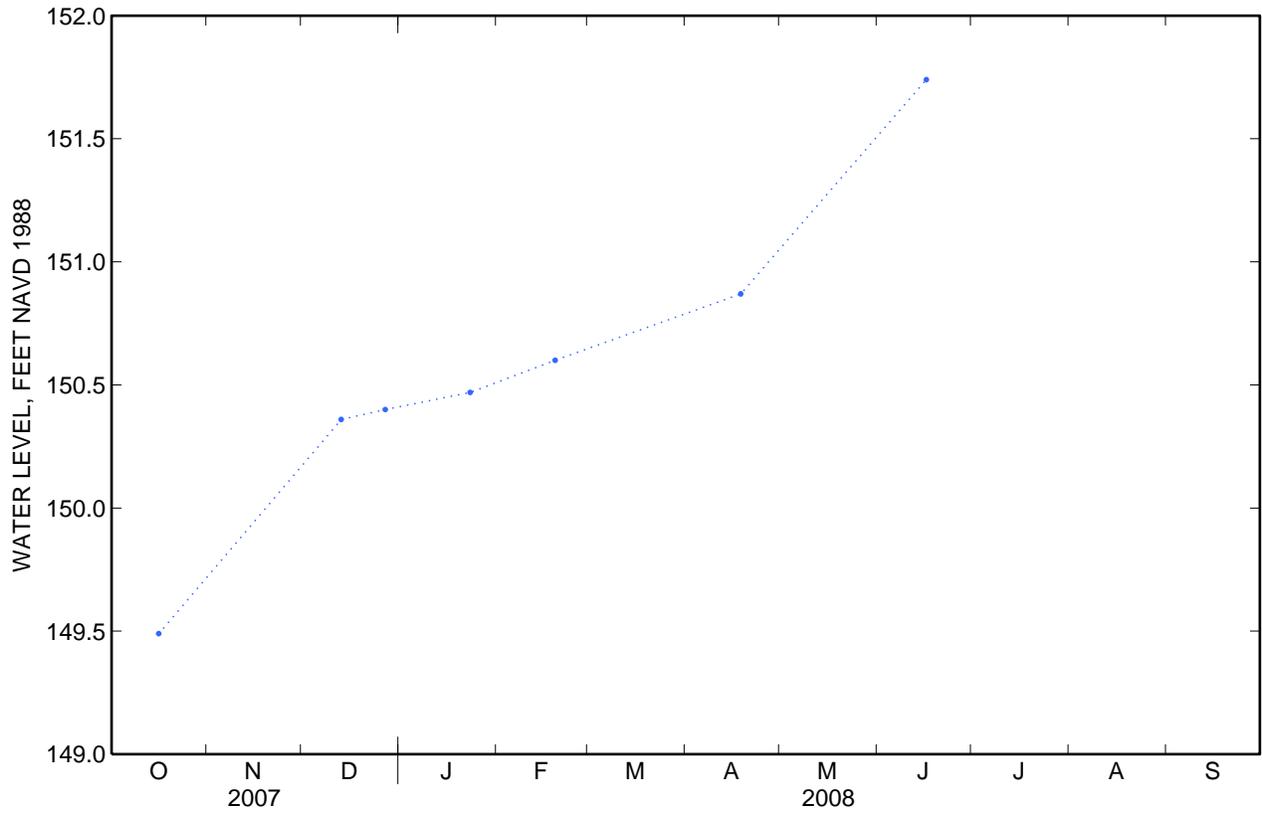
**WATER SURFACE ELEVATION IN FEET NAVD 1988
 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

[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 16	149.49	T	--	Feb 19	150.60	T	--
Dec 13	150.36	T	--	Apr 18	150.87	T	--
27	150.40	T	--	Jun 16	151.74	T	--
Jan 23	150.47	T	--				

Water year 2008; lowest: 149.49 Oct 16, 2007 highest: 151.74 Jun 16, 2008

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 2006 to current year.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 3

[Remark codes: <, less than.]

Date	Time	Sample medium and type	Geologic unit	Depth of well, feet below LSD (72008)	Water level, depth below MP, feet (61055)	Flow rate, instantaneous gal/min (00059)	Pump or flow period prior to sampling, minutes (72004)	Sampling depth, feet (00003)	Turbidity, IR LED light, 90 deg, FNU (63680)
Dec 27...	1345	Ground water, regular	377SKVL	53.20	44.15	.03	86	48	.6

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 3

[Remark codes: <, less than.]

Date	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std (00400)	pH, water, unfltrd lab, std (00403)	Specif. conduc-tance, wat unfltrd lab, μS/cm 25 degC (90095)	Specif-ic conduc-tance, wat unfltrd lab, 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 unfltrd 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 inf pt titr., field, mg/L (00453)
Dec 27...	4.6	5.9	6.3	463	468	12.2	38.1	10.6	5.07	25.1	36	33	40

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 3

[Remark codes: <, less than.]

Date	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	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 27...	93.5	<.12	25.3	29.5	<.02	.806	<.002	.94	.010	34	7.8	4045	4047