



Water-Data Report 2008

385631077062901 Local number WW Ba 18

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

LOCATION.--Lat 38°56'30.9", long 77°06'29.0" referenced to North American Datum of 1983, Washington, DC, Hydrologic Unit 02070010, area of the Dalecarlia Reservoir.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 28 ft. Upper casing diameter 2 in; top of first opening 4.8 ft, bottom of last opening 19.8 ft. Drilled, observation well.

DATUM.--Land-surface datum is 165.27 ft above North American Vertical Datum of 1988. Measuring point: Top of inner casing, 1.72 ft above land-surface datum, Mar. 2, 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, 154.10 ft above sea level, June 16, 2008; lowest measured, 151.30 ft above sea level, October 16, 2007.

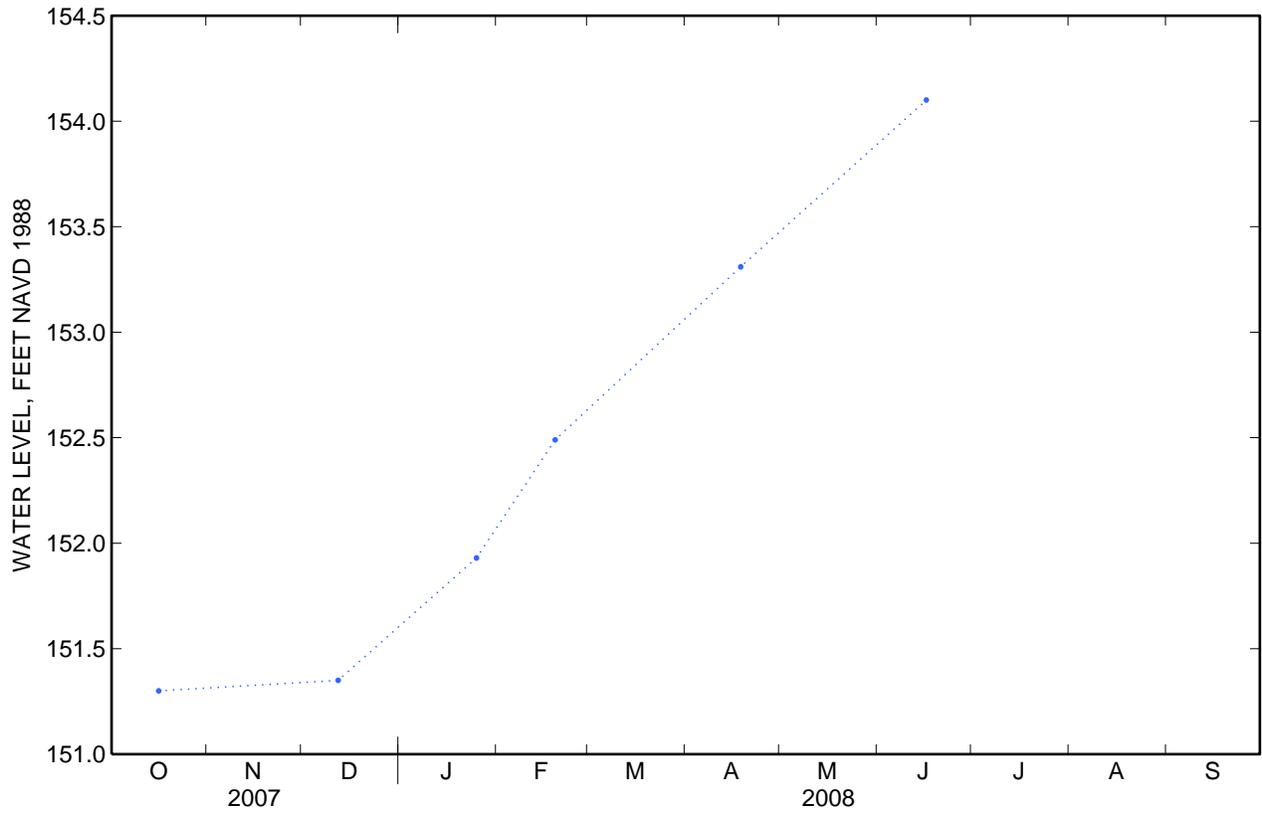
**WATER SURFACE ELEVATION IN FEET NAVD 1988
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

[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	151.30	T	--	Feb 19	152.49	T	--
Dec 12	151.35	T	--	Apr 18	153.31	T	--
Jan 25	151.93	T	--	Jun 16	154.10	T	--

Water year 2008; lowest: 151.30 Oct 16, 2007 highest: 154.10 Jun 16, 2008

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--2006 to current year.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 3

[QC, quality control sample. 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)	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 13...	1315	Ground water, duplicate	377SKVL	28.00	15.64	33	1.9	6.4	6.5
13...	1317	QC - Ground water, duplicate	377SKVL	28.00	15.64	33	1.9	6.4	6.5

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 3

[QC, quality control sample. Remark codes: <, less than.]

Date	Specif. conduc-tance, wat unflab, μS/cm 25 degC (90095)	Specif-ic conduc-tance, wat unflab, μS/cm 25 degC (00095)	Temper-ature, water, 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 unfl fixed end pt, mg/L as CaCO3 (90410)	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)
Dec 13...	461	683	14.5	22.7	25.6	4.57	15.4	245	7.56	.17	9.29	2.17	3.30
13...	419	683	14.5	26.5	29.0	4.46	14.7	210	7.35	.21	9.90	.43	3.73

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 3

[QC, quality control sample. Remark codes: <, less than.]

Date	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)	Arsenic water, fltrd, μg/L (01000)	Iron, water, fltrd, μg/L (01046)	Mangan-ese, water, fltrd, μg/L (01056)	Sampler type, code (84164)	Sam-pling method, code (82398)	Data base number	Medium code
Dec 13...	<.04	.004	3.68	<.060	4.3	40,800	1,980	4045	4047	01	WG
13...	<.04	.005	4.18	<.072	7.4	76,600	3,010	4045	4047	33	WGQ