



Water-Data Report 2006

391914079425401 Local number Pre-0173

Conemaugh Formation

Preston County, WV

LOCATION.--Lat 39°19'13.6", long 79°42'54.0" referenced to North American Datum of 1983, Preston County, WV, Hydrologic Unit 05020004.

WATER-QUALITY RECORDS

REMARKS.--During the period of April 19 to June 23, 2006, 30 wells were sampled as part of an ongoing study with the West Virginia Department of Environmental Protection-Division of Water and Waste Management (WV-DEP-DWWM) of ambient ground-water quality in West Virginia. Samples were collected from wells in the following hydrologic units: Cheat River (05020004), Shenendoah River (02070007), South Branch Potomac River (02070001), the Upper Kanawha River (05050006), and the northern section of the Ohio River (05030101). Sample analyses included field determinations, major ions, nutrients, microbiological indicators, metals, volatile organic compounds, and radon.

Since 1999, 30 wells have been selected and sampled annually to characterize the ambient quality of West Virginia's ground-water resources. Data for these samples are published in "Water Resources Data-West Virginia-Water Year XXXX, Water-Data Report WV-XX-01". The electronic versions of these reports can be found at the following url: <http://pubs.usgs.gov/wdr/#wv>.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 1 of 7

[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Time	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Pump or flow period prior to sampling, minutes (72004)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, deg C (00010)	Calcium water unfltrd recover -able, mg/L (00916)	Magnesium, water, unfltrd recover -able, mg/L (00927)	Potassium, water, unfltrd recover -able, mg/L (00937)
May 24...	1430	57	1,560	>30	<1.0	721	<1.0	9.3	157	13.8	10.9	3.73	1.29

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 7

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Date	Sodium, water, unfltrd recover -able, mg/L (00929)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Bromide, water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat unf mg/L (00500)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)
May 24...	16.7	79	97	<1	.03	4.75	E.09	.35	97	99	.19	.14	<.06

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WATER-QUALITY DATA
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Part 3 of 7

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Date	Nitrite water, fltrd, mg/L as N (00613)	Total nitro-gen, wat unf by analis, mg/L (62855)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Total coli-form, Defined Tech., MPN/ 100 mL (50569)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Anti-mony, water, unfltrd ug/L (01097)	Arsenic water unfltrd ug/L (01002)	Barium, water, unfltrd recover-able, ug/L (01007)
May 24...	<.008	.18	.209	.068	.070	E.4	<1	<1	<1	E2	<.2	1.3	1,300

WATER-QUALITY DATA
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Part 4 of 7

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Date	Beryllium, water, unfltrd recover-able, ug/L (01012)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd ug/L (01147)	Thall-ium, water, unfltrd ug/L (01059)	Zinc, water, unfltrd recover-able, ug/L (01092)	1,1,1-Tri-chloro-ethane, water, unfltrd ug/L (34506)	CFC-113 water unfltrd ug/L (77652)
May 24...	<.06	<.04	.17	174	17.1	57.8	<.010	.34	E.04	<.18	31	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 7

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Date	1,1-Di-chloro-ethane, water unfltrd ug/L (34496)	1,1-Di-chloro-ethene, water, unfltrd ug/L (34501)	1,2-Di-chloro-benzene water unfltrd ug/L (34536)	1,2-Di-chloro-ethane, water, unfltrd ug/L (32103)	1,2-Di-chloro-propane water unfltrd ug/L (34541)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	Benzene water unfltrd ug/L (34030)	Bromo-di-chloro-methane water unfltrd ug/L (32101)	Chloro-benzene water unfltrd ug/L (34301)	cis-1,2-Di-chloro-ethene, water, unfltrd ug/L (77093)	Di-bromo-chloro-methane water unfltrd ug/L (32105)	Di-chloro-di-fluoro-methane wat unf ug/L (34668)
May 24...	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.2	<.2

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WATER-QUALITY DATA
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Part 6 of 7

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Date	Di-chloro-methane water unfltrd	Di-ethyl ether, water, unfltrd	Diiso-propyl ether, water, unfltrd	Ethyl-benzene water unfltrd	Methyl tert-pentyl ether, water, unfltrd	meta- + para-Xylene, water, unfltrd	o-Xylene, water, unfltrd	Styrene water unfltrd	t-Butyl ether, water, unfltrd	Methyl t-butyl ether, water, unfltrd	Tetra-chloro-ethene, water, unfltrd	Tetra-chloro-methane water unfltrd	Toluene water unfltrd
	ug/L (34423)	ug/L (81576)	ug/L (81577)	ug/L (34371)	ug/L (50005)	ug/L (85795)	ug/L (77135)	ug/L (77128)	ug/L (50004)	ug/L (78032)	ug/L (34475)	ug/L (32102)	ug/L (34010)
May 24...	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.2	<.1	<.2	<.1

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Date	trans-1,2-Di-chloro-ethene, water, unfltrd	Tri-bromo-methane water unfltrd	Tri-chloro-ethene, water, unfltrd	Tri-chloro-fluoro-methane water unfltrd	Tri-chloro-methane water unfltrd	Vinyl chloride, water, unfltrd	Rn-222, water, unfltrd
	ug/L (34546)	ug/L (32104)	ug/L (39180)	ug/L (34488)	ug/L (32106)	ug/L (39175)	pCi/L (82303)
May 24...	<.1	<.2	<.1	<.2	<.1	<.2	170