



Water-Data Report 2012

0205459510 ROANOKE RIVER ALONG RIVERSIDE DRIVE AT SALEM, VA

Roanoke Basin
Upper Roanoke Subbasin

LOCATION.--Lat 37°16'23.8", long 80°02'20.9" referenced to North American Datum of 1983, Salem City, VA, Hydrologic Unit 03010101, 680 ft upstream of Apperson Drive bridge, in riffle.

DRAINAGE AREA.--316 mi².

WATER-QUALITY RECORDS

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 1 of 4
[mm, millimeters; <, less than]

Date	Sample start time	Medium name	Sample type	Exposed bedrock in streambed (fraction of the streambed that is exposed bedrock), percent (34777)	Bed sediment, direct measurement, percent smaller than 0.063 mm (69140)	Bed sediment, direct measurement, percent smaller than 0.125 mm (69136)	Bed sediment, direct measurement, percent smaller than 0.25 mm (69132)	Bed sediment, direct measurement, percent smaller than 0.5 mm (69128)	Bed sediment, direct measurement, percent smaller than 1 mm (69124)
08-08-2012	1145	Bottom material	Regular	< 1	17	18	35	21	23

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Part 2 of 4
[mm, millimeters; <, less than]

Date	Sample start time	Bed sediment, direct measurement, percent smaller than 2 mm (69120)	Bed sediment, direct measurement, percent smaller than 4 mm (69116)	Bed sediment, direct measurement, percent smaller than 5.6 mm (69114)	Bed sediment, direct measurement, percent smaller than 8 mm (69111)	Bed sediment, direct measurement, percent smaller than 11.2 mm (69109)	Bed sediment, direct measurement, percent smaller than 16 mm (69106)	Bed sediment, direct measurement, percent smaller than 22.4 mm (69104)	Bed sediment, direct measurement, percent smaller than 31.5 mm (69101)	Bed sediment, direct measurement, percent smaller than 45 mm (69099)
08-08-2012	1145	27	27	28	28	31	33	36	41	13

0205459510 ROANOKE RIVER ALONG RIVERSIDE DRIVE AT SALEM, VA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 3 of 4

[mm, millimeters; <, less than]

Date	Sample start time	Bed sediment, direct measurement, percent smaller than 64 mm (69095)	Bed sediment, direct measurement, percent smaller than 90 mm (69093)	Bed sediment, direct measurement, percent smaller than 128 mm (69088)	Bed sediment, direct measurement, percent smaller than 192 mm (69087)	Bed sediment, direct measurement, percent smaller than 256 mm (69086)	Bed sediment, direct measurement, percent smaller than 384 mm (69085)	Bed sediment, direct measurement, percent smaller than 512 mm (69084)	Bed sediment, direct measurement, percent smaller than 1024 mm (69082)	Bed sediment, direct measurement, percent smaller than 2048 mm (69080)
08-08-2012	1145	45	59	75	83	89	95	99	99	100

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 4 of 4

[mm, millimeters; <, less than]

Date	Sample start time	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.0625 mm (80164)	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.125 mm (80165)	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.25 mm (80166)	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.5 mm (80167)	Bed sediment, dry sieved, sieve diameter, percent smaller than 1 mm (80168)	Bed sediment, dry sieved, sieve diameter, percent smaller than 2 mm (80169)	Bed sediment, dry sieved, sieve diameter, percent smaller than 4 mm (80170)	Bed sediment, dry sieved, sieve diameter, percent smaller than 8 mm (80171)	Bed sediment, dry sieved, sieve diameter, percent smaller than 16 mm (80172)
08-08-2012	1145	0.0	0.0	1	2	7	25	55	89	100