



Water-Data Report 2012

**0205493075 ROANOKE RIVER ALONG WILEY DRIVE BELOW DAM AT ROANOKE, VA**

Roanoke Basin  
Upper Roanoke Subbasin

LOCATION.--Lat 37°16'04.1", long 79°57'47.1" referenced to North American Datum of 1983, Roanoke City, VA, Hydrologic Unit 03010101, 2350 ft upstream of Main Street bridge, in riffle.

DRAINAGE AREA.--374 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

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

Part 1 of 5  
[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)
08-06-2012	1345	Bottom material	Regular	< 1	10	15	22	23	26

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

Part 2 of 5  
[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)
08-06-2012	1345	27	28	32	34	41	47	53	67	79

## 0205493075 ROANOKE RIVER ALONG WILEY DRIVE BELOW DAM AT ROANOKE, VA—Continued

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

Part 3 of 5

[mm, millimeters; &lt;, 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)
08-06-2012	1345	92	96	98	99	100	100	100	100	100

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

Part 4 of 5

[mm, millimeters; &lt;, 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)
08-06-2012	1345	1	1	2	8	29	43	57	81	98

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

Part 5 of 5

[mm, millimeters; &lt;, less than]

Date	Sample start time	Bed sediment, dry sieved, sieve diameter, percent smaller than 32 mm (80173)
08-06-2012	1345	100