



Water-Data Report 2012

0205506875 ROANOKE RIVER AT RIVERDALE ROAD AT ROANOKE, VA

Roanoke Basin
Upper Roanoke Subbasin

LOCATION.--Lat 37°15'33.2", long 79°54'46.9" referenced to North American Datum of 1983, Roanoke City, VA, Hydrologic Unit 03010101, 1550 ft upstream of 13th Street bridge, in riffle.

DRAINAGE AREA.--390 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)
08-07-2012	1730	Bottom material	Regular	< 1	24	26	27	29	30

**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)
08-07-2012	1730	32	32	32	33	35	38	39	42	52

0205506875 ROANOKE RIVER AT RIVERDALE ROAD AT ROANOKE, 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	Bed sediment, direct measurement, percent smaller than 90 mm	Bed sediment, direct measurement, percent smaller than 128 mm	Bed sediment, direct measurement, percent smaller than 192 mm	Bed sediment, direct measurement, percent smaller than 256 mm	Bed sediment, direct measurement, percent smaller than 384 mm	Bed sediment, direct measurement, percent smaller than 512 mm	Bed sediment, direct measurement, percent smaller than 1024 mm	Bed sediment, direct measurement, percent smaller than 2048 mm
		(69095)	(69093)	(69088)	(69087)	(69086)	(69085)	(69084)	(69082)	(69080)
08-07-2012	1730	62	71	81	86	88	93	97	100	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	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.125 mm	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.25 mm	Bed sediment, dry sieved, sieve diameter, percent smaller than 0.5 mm	Bed sediment, dry sieved, sieve diameter, percent smaller than 1 mm	Bed sediment, dry sieved, sieve diameter, percent smaller than 2 mm	Bed sediment, dry sieved, sieve diameter, percent smaller than 4 mm	Bed sediment, dry sieved, sieve diameter, percent smaller than 8 mm
		(80164)	(80165)	(80166)	(80167)	(80168)	(80169)	(80170)	(80171)
08-07-2012	1730	0.0	0.0	1	4	35	79	94	100