

Impaired Virginia River Reaches

River Basin	Supports Uses or of Unknown Quality	Stream Classifications					
		Impaired Reaches					Total Impaired
		4A	5A	5B	5C	5D	
Chesapeake Bay Watershed							
Ches. Bay Coast	148	0	80	106	4	0	190
Potomac	484	39	214	33	13	13	312
James	826	8	229	7	24		268
Rappahannock	148	5	75	37	19	0	136
York	136	0	72	17	0	0	89
Chowan/Dismal Swamp	101	0	0	85	0	37	122
Subtotal	1843	52	670	285	60	50	1117
Non-Chesapeake Basins							
New	334	10	82	0	2	1	95
Tennessee/Big Sandy	384	21	111	0	0	1	133
Roanoke/Yadkin	451	47	170	0	6	12	235
Subtotal	1169	78	363	0	8	14	463
Total	3012	130	1033	285	68	64	1580

Source: Final 2004 305(b)/303(d) Water Quality Assessment Integrated Report
<http://www.deq.virginia.gov/wqa/ir2004.html>

River Basin	Category 5 Impaired Waters							
	Fecal & Bacterial			Benthic & DO			Fish & Shellfish	Toxics & pH
	Point Source	Non-Point Source	Unknown Source	Natural Source	Point Source	Non-Point Source	Unknown Source	
Chesapeake Bay Watershed	7	93	277	61	10	42	123	294
Ches. Bay Coast	0	0	39	4	1	3	32	135
Potomac	0	56	43	5	2	16	27	50
James	6	36	87	10	6	11	35	35
Rappahannock	0	0	50	3	0	0	3	47
York	0	0	8	3	1	12	13	25
Chowan/Dismal Swamp	1	1	50	36	0	0	13	2
Non-Chesapeake Basins	4	118	82	15	7	54	22	40
New	0	40	22	2	0	11	1	5
Tennessee/Big Sandy	3	21	27	4	1	33	18	24
Roanoke/Yadkin	1	57	33	9	6	10	3	11
Total	11	211	359	76	17	96	145	334

Source: Final 2004 305(b)/303(d) Water Quality Assessment Integrated Report, Chapter 3.3.
See: <http://www.deq.virginia.gov/wqa/pdf/2004ir/rch33ay04.pdf>

FULLY SUPPORTING – Waters are supporting one or more designated uses

- EPA Category 1: Attaining all associated designated uses and no designated use is threatened.
- EPA Category 2: Some of the designated uses are met but there is insufficient data to determine if remaining designated uses are met.
 - Va. Category 2A - waters are attaining all of the uses for which they are monitored and there is insufficient data to document the attainment of all uses.
 - Va. Category 2B - waters are of concern to the state but no Water Quality Standard exists for a specific pollutant, or the water exceeds a state screening value. These waters are considered fully supporting with observed effects.

INDETERMINATE – Waters needing additional information

- EPA Category 3: Insufficient data to determine whether any designated uses are met
 - Va. Category 3A - no data are available within the data window of the current assessment to determine if any designated use is attained and the water was not previously listed as impaired.
 - Va. Category 3B - some data exists but is insufficient to determine attainment of designated uses. Such waters will be a prioritized for follow up monitoring.
 - Va. Category 3C - data collected by a citizen monitoring or other organization indicating water quality problems may exist but the methodology and/or data quality has not been approved for a determination of attainment of designated uses. These waters are considered as having insufficient data with observed effects. Such waters will be a prioritized for follow up monitoring.
 - Va. Category 3D - data collected by a citizen monitoring or other organization indicate that designated uses are attained however the methodology and/or data quality has not been approved for such a determination.

IMPAIRED – Waters are impaired or threatened but a TMDL is not needed.

- EPA Category 4A: impaired or threatened for one or more designated uses but does not require a TMDL because the TMDL for specific pollutant(s) is complete and US EPA approved.
- EPA Category 4B: impaired or threatened for one or more designated uses but does not require the development of a TMDL because other pollution control requirements (such as VPDES limits under a compliance schedule) are reasonably expected to result in attainment of the Water Quality Standard by the next reporting period or permit cycle.
- EPA Category 4C: impaired or threatened for one or more designated uses but does not require a TMDL because the impairment is not caused by a pollutant and/or is determined to be caused by natural conditions.

IMPAIRED – requiring a TMDL

- EPA Category 5: Waters are impaired or threatened and a TMDL is needed.
 - Va. Category 5A - the Water Quality Standard is not attained. The AU is impaired for one or more designated uses by a pollutant(s) and requires a TMDL (303d list).
 - Va. Category 5B - the Water Quality Standard for shellfish use is not attained. One or more pollutants remain requiring TMDL development.
 - Va. Category 5C - the Water Quality Standard is not attained due to suspected natural conditions. The AU is impaired for one or more designated uses by a pollutant(s) and may require a TMDL (303d list). Standards for these waters may be re-evaluated due to the effects of natural conditions.
 - Va. Category 5D - the Water Quality Standard is not attained where TMDLs for a pollutant(s) have been developed but one or more pollutants remain requiring TMDL development.
 - Va. Category 5E - effluent limited waters are not expected to meet compliance schedules by next permit cycle or reporting period.