

PART I

SURFACE WATER STANDARDS WITH GENERAL, STATEWIDE APPLICATION

9 VAC 25-260-5. Definitions.

The following words and terms when used in this chapter shall have the following meanings unless the context clearly indicates otherwise:

“Algicides” means chemical substances, most commonly copper-based, used as a treatment method to control algae growths.

"Board" means State Water Control Board.

"Chesapeake Bay and its tidal tributaries" means all tidally influenced waters of the Chesapeake Bay, western and eastern coastal embayments and tributaries, James, York, Rappahannock and Potomac Rivers and all their tidal tributaries to the end of tidal waters in each tributary (in larger rivers this is the fall line). Includes sections 390 subsections 1, 2, 3, 4, 5, and 6, section 410 subsections 1, 1b, 1d, 1f and 1o, section 415 subsections 5 and 5a, section 440 subsections 1 and 1a, section 520 subsections 2, 3, 3a, 3b and 3e, section 530 subsection 1 of this chapter. This definition does not include free flowing sections of these waters.

"Criteria" means elements of the board's water quality standards, expressed as constituent concentrations, levels, or narrative statements, representing a quality of water that supports a particular use. When criteria are met, water quality will generally protect the designated use.

"Designated uses" means those uses specified in water quality standards for each water body or segment whether or not they are being attained.

"Drifting organisms" means planktonic organisms that are dependent on the current of the water for movement.

“Epilimnion” means the upper layer of nearly uniform temperature in a thermally stratified man-made lake or reservoir listed in 9 VAC 25-260-187.B.

"Existing uses" means those uses actually attained in the water body on or after November 28, 1975, whether or not they are included in the water quality standards.

“Lacustrine” means the zone within a lake or reservoir that corresponds to nonflowing lake-like conditions such as those near the dam. The other two zones within a reservoir are riverine (flowing, river-like conditions) and transitional (transition from river to lake conditions).

“Man-made lake or reservoir” means a constructed impoundment.

"Mixing zone" means a limited area or volume of water where initial dilution of a discharge takes place and where numeric water quality criteria can be exceeded but designated uses in the water body on the whole are maintained and lethality is prevented.

“Natural lake” means an impoundment that is natural in origin. There are two natural lakes in Virginia: Mountain Lake in Giles County and Lake Drummond located within the boundaries of Chesapeake and Suffolk in the Great Dismal Swamp.

"Passing organisms" means free swimming organisms that move with a mean velocity at least equal to the ambient current in any direction.

"Primary contact recreation" means any water-based form of recreation, the practice of which has a high probability for total body immersion or ingestion of water (examples include but are not limited to swimming, water skiing, canoeing and kayaking).

"Pycnocline" means the portion of the water column where density changes rapidly because of salinity and/or temperature. In an estuary the pycnocline is the zone separating deep, cooler more saline waters from the less saline, warmer surface waters. The upper and lower boundaries of a pycnocline are measured as a change in density per unit of depth that is greater than twice the change of the overall average for the total water column.

"Secondary contact recreation" means a water-based form of recreation, the practice of which has a low probability for total body immersion or ingestion of waters (examples include but are not limited to wading, boating and fishing).

"Swamp waters" means waters with naturally occurring low pH and low dissolved oxygen caused by: (i) low flow velocity that prevents mixing and reaeration of stagnant, shallow waters and (ii) decomposition of vegetation that lowers dissolved oxygen concentrations and causes tannic acids to color the water and lower the pH.

"Use attainability analysis" means a structured scientific assessment of the factors affecting the attainment of the use which may include physical, chemical, biological, and economic factors as described in 9 VAC 25-260-10 H.

"Water quality standards" means provisions of state or federal law which consist of a designated use or uses for the waters of the Commonwealth and water quality criteria for such waters based upon such uses. Water quality standards are to protect the public health or welfare, enhance the quality of water and serve the purposes of the State Water Control Law (§ 62.1-44.2 et seq. of the Code of Virginia) and the federal Clean Water Act (33 USC § 1251 et seq.).

9 VAC 25-260-50. Numerical criteria for dissolved oxygen, pH, and maximum temperature.***

CLASS	DESCRIPTION OF WATERS	DISSOLVED OXYGEN (mg/L)****		pH	Maximum Temp. (°C)
		Min.	Daily Avg.		
I	Open Ocean	5.0	--	6.0-9.0	--
II	Estuarine Waters Tidal Water-Coastal Zone to Fall Line	4.0	5.0	6.0-9.0	--
III	Nontidal Waters Coastal and Piedmont Zones	4.0	5.0	6.0-9.0	32
IV	Mountainous Zones Waters	4.0	5.0	6.0-9.0	31
V	Stockable Trout Waters	5.0	6.0	6.0-9.0	21
VI	Natural Trout Waters	6.0	7.0	6.0-9.0	20
VII	Swamp Waters	*	*	4.3-9.0*	**

*This classification recognizes that the natural quality of these waters may fall outside of the ranges for D.O. and pH set forth above as water quality criteria; therefore, on a case-by-case basis, criteria for specific Class VII waters can be developed which reflect the natural quality of the waterbody. Virginia Pollutant Discharge Elimination System limitations in Class VII waters shall meet pH of 6.0 - 9.0.

**Maximum temperature will be the same as that for Classes I through VI waters as appropriate.

***The water quality criteria in this section do not apply below the lowest flow averaged arithmetic mean over a period of seven consecutive days that can be statistically expected to occur once every 10 climatic years (a climatic year begins April 1 and ends March 31.)

****See 9 VAC 25-260-55 for implementation of these criteria in waters naturally low in dissolved oxygen.

******* For a thermally stratified man-made lake or reservoir in Class III, IV, V or VI waters that are listed in 9 VAC 25-260-187, these dissolved oxygen criteria apply only to the epilimnion in the lacustrine portion of the water body. When these waters are not stratified, the dissolved oxygen criteria apply throughout the water column.**

PART II

STANDARDS WITH MORE SPECIFIC APPLICATION

9 VAC 25-260-187 Criteria for man-made lakes and reservoirs to protect aquatic life and recreational designated uses from the impacts of nutrients.

A. The list of man-made lakes and reservoirs in Section B are those waters previously monitored or planned for monitoring by the Department. Additional man-made lakes and reservoirs will be added as new reservoirs are constructed or monitoring data become available from outside groups or future agency monitoring.

B. Whether or not algicide treatments are used, the chlorophyll a criteria apply to all waters on the list. The total phosphorus criteria apply only if a specific man-made lake or reservoir received algicide treatment during the monitoring and assessment period of April 1 through October 31,

The 90th percentile of the chlorophyll a data collected at one meter or less within the lacustrine portion of the man-made lake or reservoir between April 1 and October 31 in any given year shall not exceed the chlorophyll a criterion for that water body for two consecutive assessments. The median of the total phosphorus data collected at one meter or less within the lacustrine portion of the man-made lake or reservoir between April 1 and October 31 in any given year shall not exceed the total phosphorus criterion for two consecutive assessments for a water body that received algicide treatment.

Monitoring data used for assessment shall be from sampling location(s) within the lacustrine portion where observations are evenly distributed over the seven months from April 1 through October 31 and are in locations that are representative, either individually or collectively, of the condition of the man-made lake or reservoir.

<u>Man-made Lake or Reservoir Name</u>	<u>Location</u>	<u>Chlorophyll a (µg/L)</u>	<u>Total Phosphorus</u>
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			<u>(µg/L)</u>
<u>Able Lake</u>	<u>Stafford County</u>	<u>35</u>	<u>40</u>
<u>Airfield Pond</u>	<u>Sussex County</u>	<u>35</u>	<u>40</u>
<u>Amelia Lake</u>	<u>Amelia County</u>	<u>35</u>	<u>40</u>
<u>Aquia Reservoir</u> <u>(Smith Lake)</u>	<u>Stafford County</u>	<u>35</u>	<u>40</u>
<u>Bark Camp Lake (Corder Bottom</u> <u>Lake, Lee/Scott/Wise Lake)</u>	<u>Scott County</u>	<u>35</u>	<u>40</u>
<u>Beaver Creek Reservoir</u>	<u>Albemarle County</u>	<u>35</u>	<u>40</u>
<u>Beaverdam Creek Reservoir</u> <u>(Beaverdam Reservoir)</u>	<u>Bedford County</u>	<u>35</u>	<u>40</u>
<u>Beaverdam Reservoir</u>	<u>Loudoun County</u>	<u>35</u>	<u>40</u>
<u>Bedford Reservoir</u> <u>(Stony Creek Reservoir)</u>	<u>Bedford County</u>	<u>35</u>	<u>40</u>
<u>Big Cherry Lake</u>	<u>Wise County</u>	<u>35</u>	<u>40</u>
<u>Breckenridge Reservoir</u>	<u>Prince William</u> <u>County</u>	<u>35</u>	<u>40</u>
<u>Briery Creek Lake</u>	<u>Prince Edward</u> <u>County</u>	<u>35</u>	<u>40</u>
<u>Brunswick Lake (County Pond)</u>	<u>Brunswick County</u>	<u>35</u>	<u>40</u>
<u>Burke Lake</u>	<u>Fairfax County</u>	<u>35</u>	<u>40</u>
<u>Carvin Cove Reservoir</u>	<u>Botetourt County</u>	<u>35</u>	<u>40</u>
<u>Cherrystone Reservoir</u>	<u>Pittsylvania County</u>	<u>35</u>	<u>40</u>
<u>Chickahominy Lake</u>	<u>Charles City County</u>	<u>35</u>	<u>40</u>
<u>Claytor Lake</u>	<u>Pulaski County</u>	<u>25</u>	<u>20</u>
<u>Clifton Forge Reservoir</u> <u>(Smith Creek Reservoir)</u>	<u>Alleghany County</u>	<u>35</u>	<u>20</u>
<u>Coles Run Reservoir</u>	<u>Augusta County</u>	<u>10</u>	<u>10</u>
<u>Curtis Lake</u>	<u>Stafford County</u>	<u>60</u>	<u>40</u>
<u>Diascund Creek Reservoir</u>	<u>New Kent County</u>	<u>35</u>	<u>40</u>
<u>Douthat Lake</u>	<u>Bath County</u>	<u>25</u>	<u>20</u>
<u>Elkhorn Lake</u>	<u>Augusta County</u>	<u>10</u>	<u>10</u>
<u>Emporia Lake (Meherrin</u> <u>Reservoir)</u>	<u>Greenville County</u>	<u>35</u>	<u>40</u>
<u>Fairystone Lake</u>	<u>Henry County</u>	<u>35</u>	<u>40</u>

<u>Falling Creek Reservoir</u>	<u>Chesterfield County</u>	<u>35</u>	<u>40</u>
	<u>Nottoway/Brunswick</u>		
<u>Fort Pickett Reservoir</u>	<u>County</u>	<u>35</u>	<u>40</u>
<u>Gatewood Reservoir</u>	<u>Pulaski County</u>	<u>35</u>	<u>40</u>
<u>Georges Creek Reservoir</u>	<u>Pittsylvania County</u>	<u>35</u>	<u>40</u>
<u>Goose Creek Reservoir</u>	<u>Loudoun County</u>	<u>35</u>	<u>40</u>
<u>Graham Creek Reservoir</u>	<u>Amherst County</u>	<u>35</u>	<u>40</u>
<u>Great Creek Reservoir</u>	<u>Lawrenceville</u>	<u>35</u>	<u>40</u>
<u>Harrison Lake</u>	<u>Charles City County</u>	<u>35</u>	<u>40</u>
<u>Harwood Mills Reservoir</u>	<u>York County</u>	<u>60</u>	<u>40</u>
<u>Hidden Valley Lake</u>	<u>Washington County</u>	<u>35</u>	<u>40</u>
<u>Hogan Lake</u>	<u>Pulaski County</u>	<u>35</u>	<u>40</u>
<u>Holiday Lake</u>	<u>Appomattox County</u>	<u>35</u>	<u>40</u>
<u>Hungry Mother Lake</u>	<u>Smyth County</u>	<u>35</u>	<u>40</u>
<u>Hunting Run Reservoir</u>	<u>Spotsylvania County</u>	<u>35</u>	<u>40</u>
<u>J. W. Flanagan Reservoir</u>	<u>Dickenson County</u>	<u>25</u>	<u>20</u>
<u>Kerr Reservoir, Virginia portion</u>			
<u>(Buggs Island Lake)</u>	<u>Halifax County</u>	<u>25</u>	<u>30</u>
<u>Keysville Reservoir</u>	<u>Charlotte County</u>	<u>35</u>	<u>40</u>
<u>Lake Albemarle</u>	<u>Albemarle County</u>	<u>35</u>	<u>40</u>
<u>Lake Anna</u>	<u>Louisa County</u>	<u>25</u>	<u>30</u>
<u>Lake Burnt Mills</u>	<u>Isle of Wight County</u>	<u>60</u>	<u>40</u>
<u>Lake Chesdin</u>	<u>Chesterfield County</u>	<u>35</u>	<u>40</u>
<u>Lake Cohoon</u>	<u>Suffolk City</u>	<u>60</u>	<u>40</u>
<u>Lake Conner</u>	<u>Halifax County</u>	<u>35</u>	<u>40</u>
<u>Lake Frederick</u>	<u>Frederick County</u>	<u>35</u>	<u>40</u>
<u>Lake Gaston, (Virginia portion)</u>	<u>Brunswick County</u>	<u>25</u>	<u>30</u>
<u>Lake Gordon</u>	<u>Mecklenburg County</u>	<u>35</u>	<u>40</u>
<u>Lake Keokee</u>	<u>Lee County</u>	<u>35</u>	<u>40</u>
<u>Lake Kilby</u>	<u>Suffolk City</u>	<u>60</u>	<u>40</u>
<u>Lake Lawson</u>	<u>Virginia Beach City</u>	<u>60</u>	<u>40</u>
	<u>Prince William</u>		
<u>Lake Manassas</u>	<u>County</u>	<u>35</u>	<u>40</u>
<u>Lake Meade</u>	<u>Suffolk City</u>	<u>60</u>	<u>40</u>
<u>Lake Moomaw</u>	<u>Bath County</u>	<u>10</u>	<u>10</u>
<u>Lake Nelson</u>	<u>Nelson County</u>	<u>35</u>	<u>40</u>

<u>Lake Nottoway ((Lee Lake, Nottoway Lake)</u>	<u>Nottoway County</u>	<u>35</u>	<u>40</u>
<u>Lake Pelham</u>	<u>Culpeper County</u>	<u>35</u>	<u>40</u>
<u>Lake Prince</u>	<u>Suffolk City</u>	<u>35</u>	<u>40</u>
<u>Lake Robertson</u>	<u>Rockbridge County</u>	<u>35</u>	<u>40</u>
<u>Lake Smith</u>	<u>Virginia Beach City</u>	<u>60</u>	<u>40</u>
<u>Lake Whitehurst</u>	<u>Norfolk City</u>	<u>25</u>	<u>20</u>
<u>Lake Wright</u>	<u>Norfolk City</u>	<u>60</u>	<u>40</u>
<u>Laurel Bed Lake</u>	<u>Russell County</u>	<u>35</u>	<u>40</u>
<u>Lee Hall Reservoir (Newport News Reservoir)</u>	<u>Newport News City</u>	<u>60</u>	<u>40</u>
<u>Leesville Reservoir</u>	<u>Bedford County</u>	<u>25</u>	<u>30</u>
<u>Little Creek Reservoir</u>	<u>Virginia Beach City</u>	<u>60</u>	<u>40</u>
<u>Little Creek Reservoir</u>	<u>James City County</u>	<u>25</u>	<u>30</u>
<u>Little River Reservoir</u>	<u>Montgomery County</u>	<u>35</u>	<u>40</u>
<u>Lone Star Lake F (Crystal Lake)</u>	<u>Suffolk City</u>	<u>60</u>	<u>40</u>
<u>Lone Star Lake G (Crane Lake)</u>	<u>Suffolk City</u>	<u>60</u>	<u>40</u>
<u>Lone Star Lake I (Butler Lake)</u>	<u>Suffolk City</u>	<u>60</u>	<u>40</u>
<u>Lunga Reservoir</u>	<u>Prince William County</u>	<u>35</u>	<u>40</u>
<u>Lunenburg Beach Lake (Victoria Lake)</u>	<u>Town of Victoria</u>	<u>35</u>	<u>40</u>
<u>Martinsville Reservoir (Beaver Creek Reservoir)</u>	<u>Henry County</u>	<u>35</u>	<u>40</u>
<u>Mill Creek Reservoir</u>	<u>Amherst County</u>	<u>35</u>	<u>40</u>
<u>Modest Creek Reservoir</u>	<u>Town of Victoria</u>	<u>35</u>	<u>40</u>
<u>Motts Run Reservoir</u>	<u>Spotsylvania County</u>	<u>25</u>	<u>30</u>
<u>Mount Jackson Reservoir</u>	<u>Shenandoah County</u>	<u>35</u>	<u>40</u>
<u>Mountain Run Lake</u>	<u>Culpeper County</u>	<u>35</u>	<u>40</u>
<u>Ni Reservoir</u>	<u>Spotsylvania County</u>	<u>35</u>	<u>40</u>
<u>North Fork Pound Reservoir</u>	<u>Wise County</u>	<u>35</u>	<u>40</u>
<u>Northeast Creek Reservoir</u>	<u>Louisa County</u>	<u>35</u>	<u>40</u>
<u>Occoquan Reservoir</u>	<u>Fairfax County</u>	<u>35</u>	<u>40</u>
<u>Pedlar Lake</u>	<u>Amherst County</u>	<u>25</u>	<u>20</u>
<u>Philpott Reservoir</u>	<u>Henry County</u>	<u>25</u>	<u>30</u>
<u>Phelps Creek Reservoir</u>	<u>Campbell County</u>	<u>35</u>	<u>40</u>

<u>(Brookneal Reservoir)</u>			
<u>Ragged Mountain Reservoir</u>	<u>Albemarle County</u>	<u>35</u>	<u>40</u>
<u>Rivanna Reservoir</u> <u>(South Fork Rivanna Reservoir)</u>	<u>Albemarle County</u>	<u>35</u>	<u>40</u>
<u>Roaring Fork</u>	<u>Pittsylvania County</u>	<u>35</u>	<u>40</u>
<u>Rural Retreat Lake</u>	<u>Wythe County</u>	<u>35</u>	<u>40</u>
<u>Sandy River Reservoir</u>	<u>Prince Edward County</u>	<u>35</u>	<u>40</u>
<u>Shenandoah Lake</u>	<u>Rockingham County</u>	<u>35</u>	<u>40</u>
<u>Silver Lake</u>	<u>Rockingham County</u>	<u>35</u>	<u>40</u>
<u>Smith Mountain Lake</u>	<u>Bedford County</u>	<u>25</u>	<u>30</u>
<u>South Holston Reservoir</u>	<u>Washington County</u>	<u>25</u>	<u>20</u>
<u>Speights Run Lake</u>	<u>Suffolk City</u>	<u>60</u>	<u>40</u>
<u>Spring Hollow Reservoir</u>	<u>Roanoke County</u>	<u>25</u>	<u>20</u>
<u>Staunton Dam Lake</u>	<u>Augusta County</u>	<u>35</u>	<u>40</u>
<u>Stonehouse Creek Reservoir</u>	<u>Amherst County</u>	<u>60</u>	<u>40</u>
<u>Strasburg Reservoir</u>	<u>Shenandoah County</u>	<u>35</u>	<u>40</u>
<u>Stumpy Lake</u>	<u>Virginia Beach</u>	<u>60</u>	<u>40</u>
<u>Sugar Hollow Reservoir</u>	<u>Albemarle County</u>	<u>25</u>	<u>20</u>
<u>Swift Creek Reservoir</u>	<u>Chesterfield County</u>	<u>35</u>	<u>40</u>
<u>Switzer Lake</u>	<u>Rockingham County</u>	<u>10</u>	<u>10</u>
<u>Talbott Reservoir</u>	<u>Patrick County</u>	<u>35</u>	<u>40</u>
<u>Thrashers Creek Reservoir</u>	<u>Amherst County</u>	<u>35</u>	<u>40</u>
<u>Totier Creek Reservoir</u>	<u>Albemarle County</u>	<u>35</u>	<u>40</u>
<u>Townes Reservoir</u>	<u>Patrick County</u>	<u>25</u>	<u>20</u>
<u>Troublesome Creek Reservoir</u>	<u>Buckingham County</u>	<u>35</u>	<u>40</u>
<u>Waller Mill Reservoir</u>	<u>York County</u>	<u>25</u>	<u>30</u>
<u>Western Branch Reservoir</u>	<u>Suffolk City</u>	<u>25</u>	<u>20</u>
<u>Wise Reservoir</u>	<u>Wise County</u>	<u>25</u>	<u>20</u>

C. If the nutrient criteria specified for a man-made lake or reservoir in Section B do not provide for the attainment and maintenance of the water quality standards of downstream waters as required in 9 VAC 25-260-10.C, the nutrient criteria herein may be modified on a site specific basis to protect the water quality standards of downstream waters.

PART VII

SPECIAL STANDARDS AND SCENIC RIVERS LISTINGS.

9 VAC 25-260-310. Special standards and requirements.

The special standards are shown in small letters to correspond to lettering in the basin tables. The special standards are as follows:

a. Shellfish waters. In all open ocean or estuarine waters capable of propagating shellfish or in specific areas where public or leased private shellfish beds are present, including those waters on which condemnation or restriction classifications are established by the State Department of Health, the following criteria for fecal coliform bacteria will apply:

The geometric mean fecal coliform value for a sampling station shall not exceed an MPN (most probable number) of 14 per 100 milliliters. The 90th percentile shall not exceed an MPN of 43 for a 5-tube, 3-dilution test or 49 for a 3-tube, 3-dilution test.

The shellfish area is not to be so contaminated by radionuclides, pesticides, herbicides, or fecal material that the consumption of shellfish might be hazardous.

b. Policy for the Potomac Embayments. At its meeting on September 12, 1996, the board adopted a policy (9 VAC 25-415, Policy for the Potomac Embayments) to control point source discharges of conventional pollutants into the Virginia embayment waters of the Potomac River, and their tributaries, from the fall line at Chain Bridge in Arlington County to the Route 301 bridge in King George County. The policy sets effluent limits for BOD₅, total suspended solids, phosphorus, and ammonia, to protect the water quality of these high profile waterbodies.

c. Cancelled.

d. Cancelled.

e. Cancelled.

f. Cancelled.

g. Occoquan watershed policy. At its meeting on July 26, 1971 (Minute 10), the board adopted a comprehensive

pollution abatement and water quality management policy for the Occoquan watershed. The policy set stringent treatment and discharge requirements in order to improve and protect water quality, particularly since the waters are an important water supply for Northern Virginia. Following a public hearing on November 20, 1980, the board, at its December 10-12, 1980, meeting, adopted as of February 1, 1981, revisions to this policy (Minute 20.) These revisions became effective March 4, 1981. Additional amendments were made following a public hearing on August 22, 1990, and adopted by the board at its September 24, 1990, meeting (Minute 24) and became effective on December 5, 1990. Copies are available upon request from the Department of Environmental Quality.

h. Cancelled.

i. Cancelled.

j. Cancelled.

k. Cancelled.

l. Cancelled.

m. The following effluent limitations apply to wastewater treatment facilities in the entire Chickahominy watershed above Walker's Dam (this excludes effluents consisting solely of stormwater):

CONSTITUENT	CONCENTRATION
1. Biochemical Oxygen demand 5-day at 20	6.0 mg/l monthly average, with not more than 5% of individual samples to exceed 8.0 mg/l
2. Settleable Solids	Not to exceed 0.1 ml/l
3. Suspended Solids	5.0 mg/l monthly average, with not more than 5% of individual samples to exceed 7.5 mg/l
4. Ammonia Nitrogen	Not to exceed 2.0 mg/l as N
5. Total Phosphorus	Not to exceed 0.1 mg/l monthly average for all

discharges with the exception of Tyson Foods, Inc. which shall meet 0.3 mg/l monthly average and 0.5 mg/l daily maximum.

6. Other Physical and
Chemical Constituents

Other physical or chemical constituents not specifically mentioned will be covered by additional specifications as conditions detrimental to the stream arise. The specific mention of items 1 through 5 does not necessarily mean that the addition of other physical or chemical constituents will be condoned.

n. No sewage discharges, regardless of degree of treatment, should be allowed into the James River between Boshers and Williams Island Dams.

o. The concentration and total amount of impurities in Tuckahoe Creek and its tributaries of sewage origin shall be limited to those amounts from sewage, industrial wastes, and other wastes which are now present in the stream from natural sources and from existing discharges in the watershed.

p. Cancelled.

q. Cancelled.

r. Cancelled.

s. Chlorides not to exceed 40 mg/l at any time.

t. Cancelled.

u. Maximum temperature for the New River Basin from West Virginia state line upstream to the Giles - Montgomery County line:

The maximum temperature shall be 27°C (81°F) unless caused by natural conditions; the maximum rise above natural temperatures shall not exceed 2.8°C (5°F.)

This maximum temperature limit of 81°F was established in the 1970 water quality standards amendments so that Virginia temperature criteria for the New River would be consistent with those of West Virginia, since the stream flows into that

v. The maximum temperature of the New River and its tributaries except trout waters from the Montgomery-Giles County line upstream to the Virginia-North Carolina state line shall be 29°C 84°F.

w. Cancelled.

x. Clinch River from the confluence of Dumps Creek at river mile 268 at Carbo downstream to river mile 255.4. The special water quality criteria for copper (measured as total recoverable) in this section of the Clinch River are 12.4 µg/l for protection from chronic effects and 19.5 µg/l for protection from acute effects. These site-specific criteria are needed to provide protection to several endangered species of freshwater mussels.

y. Tidal freshwater Potomac River and tributaries that enter the tidal freshwater Potomac River from Cockpit Point (below Occoquan Bay) to the fall line at Chain Bridge. During November 1 through February 14 of each year the thirty-day average concentration of total ammonia nitrogen (in mg N/L) shall not exceed, more than once every three years on the average the following chronic ammonia criterion:

$$\left(\frac{0.0577}{1 + 10^{7.688-\text{pH}}} + \frac{2.487}{1 + 10^{\text{pH}-7.688}} \right) \times 1.45(10^{0.028(25-\text{MAX})})$$

MAX = temperature in °C or 7, whichever is greater.

The default design flow for calculating steady state waste load allocations for this chronic ammonia criterion is the 30Q10, unless statistically valid methods are employed which demonstrate compliance with the duration and return frequency of this water quality criterion.

z. A site specific dissolved copper aquatic life criterion of 16.3 µg/l for protection from acute effects and 10.5µg/l for protection from chronic effects applies in the following area:

Little Creek to the Route 60 (Shore Drive) bridge including Little Channel, Desert Cove, Fishermans Cove and Little Creek Cove.

Hampton Roads Harbor including the waters within the boundary lines formed by I-664 (Monitor-Merrimac Bridge Tunnel) and I-64 (Hampton Roads Bridge Tunnel), Willoughby Bay and the Elizabeth River and its tidal tributaries.

This criterion reflects the acute and chronic copper aquatic life criterion for saltwater in 9 VAC 25-260-140.B X a water effect ratio. The water effect ratio was derived in accordance with 9 VAC 25-260-140 F.

aa. Reserved.

cc. For Mountain Lake in Giles County, chlorophyll a shall not exceed 6 µg/L at a depth of 6 meters and orthophosphate-P shall not exceed 8 µg/L at a depth of one meter or less.

dd. For Lake Drummond, located within the boundaries of Chesapeake and Suffolk in the Great Dismal Swamp, chlorophyll a shall not exceed 35 µg/L and total phosphorus shall not exceed 40 µg/L at a depth of one meter or less.

PART VIII

NUTRIENT ENRICHED WATERS

9 VAC 25-260-330. Purpose.

The Board recognizes that nutrients are contributing to undesirable growths of aquatic plant life in surface waters of the Commonwealth. This standard establishes a designation of "nutrient enriched waters". Designations of surface waters of the Commonwealth as "nutrient enriched waters" are determined by the Board based upon an evaluation of the historical water quality data for one or more of the following indicators of nutrient enrichment: chlorophyll "a" concentrations, dissolved oxygen fluctuations, and concentrations of total phosphorus.

9 VAC 25-260-340. (Repealed.)

9 VAC 25-260-350. Designation of nutrient enriched waters.

The following state waters are hereby designated as "nutrient enriched waters":

- ~~1. Smith Mountain Lake and all tributaries² of the impoundment upstream to their headwaters;(Repealed).~~
- ~~2. Lake Chesdin from its dam upstream to where the Route 360 bridge (Goodes Bridge) crosses the Appomattox River, including all tributaries to their headwaters that enter between the dam and the Route 360 bridge;(Repealed).~~
- ~~3. South Fork Rivanna Reservoir and all tributaries of the impoundment upstream to their headwaters;(Repealed).~~
- ~~4. New River and its tributaries, except Peak Creek above Interstate 81, from Claytor Dam upstream to Big Reed Island Creek (Claytor Lake.);(Repealed).~~
5. Peak Creek from its headwaters to its mouth (confluence with Claytor Lake), including all tributaries* to their

* When the word "tributaries" is used in this standard, it does not refer to the mainstem of the water body that has been named.

headwaters.

6. Repealed.

7. Repealed.

8. Repealed.

9. Repealed.

10. Repealed.

11. Repealed.

12. Repealed.

13. Repealed.

14. Repealed.

15. Repealed.

16. Repealed.

17. Repealed.

18. Repealed.

19. Repealed.

20. Repealed.

21. Tidal freshwater Blackwater River from the Norfolk and Western railway bridge at Burdette, Virginia, and tidal freshwater Nottoway River from the Norfolk and Western railway bridge at Courtland, Virginia, to the state line, including all tributaries to their headwaters that enter the tidal freshwater portions of the Blackwater River and the Nottoway River.

22. Stony Creek from its confluence with the North Fork Shenandoah River to its headwaters including all named and unnamed tributaries to their headwaters.

B. Whenever any water body is designated as "nutrient enriched waters," the board shall modify the VPDES permits of point source dischargers into the "nutrient enriched waters" as provided in the board's Policy for Nutrient Enriched Waters (9 VAC 25-40-10 et seq.).

PART IX

RIVER BASIN SECTION TABLES

9 VAC 25-260-415. Appomattox River Basin.

SEC.	CLASS	SP. STDS.	SECTION DESCRIPTION
5	II	NEW-18	Appomattox River and its tidal tributaries from its confluence with the James River to the end of tidal waters.
5a	II	PWS, NEW-18	Appomattox River and its tidal tributaries from its mouth to 5 miles upstream of the Virginia-American Water Company's raw water intake.
5b	III	PWS, NEW-18	Free flowing tributaries to section 2a.
5c	III	NEW-2	Appomattox River from the head of tidal waters, and free flowing tributaries to the Appomattox River, to their headwaters, unless otherwise designated in this chapter.
5d	III		Swift Creek and its tributaries from the dam at Pocahontas State Park upstream to Chesterfield County's raw water impoundment dam.
5e	III	PWS	Swift Creek and its tributaries from Chesterfield County's raw

water impoundment dam to points 5 miles upstream.

- | | | | |
|----|-----|-----------------------|---|
| 5f | III | PWS, NEW-2 | Appomattox River and its tributaries from Appomattox River Water Authority's raw water intake located at the dam at Lake Chesdin to the headwaters of the lake. |
| 5g | III | PWS | The Appomattox River and its tributaries from Farmville's raw water intake (approximately 2.5 miles above the Route 15/45) bridge to points 5 miles upstream. |

SEC.	CLASS	SP. STDS.	SECTION DESCRIPTION
6	III		James River and its tributaries from the fall line at Richmond (Mayo's Bridge, 14 th Street) to the Rockfish River unless otherwise designated in this chapter.
7	III	NEW-18	Free flowing tributaries to the James River from Brandon to the fall line at Richmond, unless otherwise designated in this chapter.
7a			(Deleted)
8	III		James River and its tributaries from the low water dam above 14th Street Bridge to Richmond's raw water intake at Williams Island Dam.
9	III	PWS,n	James River and its tributaries, unless otherwise designated in this chapter, from Richmond's raw water intake at Douglasdale Road, inclusive of the Williams Island Dam intake, the Henrico County raw water intake (at latitude 37E33'32"; longitude 77E37'16") and the Benedictine Society's raw water intake (latitude 37E34'33"; longitude 77E40'39") to river mile 127.26 (at latitude 37E35'24"; longitude 77E42'33") near public landing site
9a	III	PWS,o	Tuckahoe Creek and its tributaries from its confluence with the James River to its headwaters.

- | | | | |
|----|-----|--------------|--|
| 10 | III | NEW-3 | James River and its tributaries from a point at latitude 37°40'32"; longitude 77°54'09" to, and including the Rockfish River, unless otherwise designated in this chapter. |
| | V | | Stockable Trout Waters in Section 10 |
| | vii | | Lynch River from the upper Route 810 crossing near the intersection of Route 628 2.9 miles upstream (to Ivy Creek.) |
| | *** | | Rockfish Creek from its confluence with the South Fork Rockfish River to its headwaters. |
| | VI | | Natural Trout Waters in Section 10 |
| | ii | | Doyles River from 6.4 miles above its confluence with Moormans River above Browns Cove at Route 629 including all named and unnamed tributaries. |
| | iii | | Fork Hollow from its confluence with Ivy Creek upstream including all named and unnamed tributaries. |
| | iii | | Ivy Creek (Greene County) from its confluence with the Lynch River upstream including all named and unnamed tributaries. |

- ii Jones Falls Run from its confluence with Doyles River upstream including all named and unnamed tributaries.

- ii Little Stony Creek (Nelson County) from its confluence with Stony Creek upstream including all named and unnamed tributaries.

- iv Mill Creek (Nelson County) from its confluence with Goodwin Creek upstream including all named and unnamed tributaries.

- ii Mutton Hollow from its confluence with Swift Run upstream including all named and unnamed tributaries.

- iv Pauls Creek (Nelson County) from 1.3 miles above its confluence with the North Fork Rockfish River upstream including all named and unnamed tributaries.

- iv Rodes Creek from its confluence with Goodwin Creek upstream including all named and unnamed tributaries.

- ii South Fork Rockfish River from 8 miles above its confluence with the Rockfish River upstream including all named and unnamed tributaries.

- ii Spruce Creek (Nelson County) from 1.5 miles above its confluence with the South Fork Rockfish River upstream

including all named and unnamed tributaries.

ii
Stony Creek (Nelson County) from 1 mile above its confluence with the South Fork Rockfish River upstream including all named and unnamed tributaries.

ii
Swift Run from 14.5 miles above its confluence with the North Fork Rivanna River upstream including all named and unnamed tributaries.

10a III PWS James River at river mile 127.26 near the public landing site and its tributaries from, and including, Little River to 5 miles above State Farm's raw water intake, including Beaverdam and Courthouse Creeks, to their headwaters.

10b (Deleted.)

10c III Willis River and its tributaries within Cumberland State Forest.

10d III PWS Johnson Creek above the Schuyler (Nelson County Service Authority) raw water intake to its headwaters.

10e III PWS Totier Creek and its tributaries from the Scottsville (Rivanna Water and Sewer Authority) raw water intake to their headwaters (including the Reservoir.)

10f III Powell Creek and its tributaries from its confluence with

the Rivanna River upstream to their headwaters.

10g III PWS,~~NEW-3~~ Beaver Creek and its tributaries from the Crozet (Rivanna Water and Sewer Authority) raw water intake upstream to their headwaters (including the reservoir.)

10h III PWS,~~NEW-3~~ Mechums River and its tributaries from the Rivanna Water and Sewer Authority's raw water intake to points 5 miles upstream.

10i III PWS,~~NEW-3~~ Moormans River and its tributaries from the Rivanna Water and Sewer Authority's raw water intake to points 5 miles upstream (including Sugar Hollow Reservoir.)

VI **Natural Trout Waters in Section 10i**

ii North Fork Moormans River from its confluence with Moormans River upstream including all named and unnamed tributaries.

ii Pond Ridge Branch from its confluence with the North Fork Moormans River upstream including all named and unnamed tributaries.

iii South Fork Moormans River from its confluence with Moormans River upstream including all named and unnamed tributaries.

10j	III	PWS, NEW-3	South Fork Rivanna River and its tributaries to their headwaters; except Ivy Creek, from the Rivanna Water and Sewer Authority's South Fork Rivanna River Dam to its confluence with the Moormans River, and Ivy Creek to a point 5 miles above the dam.
10k	III	PWS	James River and its tributaries from Fork Union Sanitary District's raw water intake (just below the Route 15 bridge) to points 5 miles upstream, including the Slate River to a point 5 miles above the intake.
10l	III		Lake Monticello in Fluvanna County.
10m	III	PWS	Rivanna River and its tributaries from the raw water intake for Lake Monticello (about 2.76 miles above the Route 600 bridge in Fluvanna County) to points 5 miles upstream.
10n	III	PWS	Ragged Mountain Reservoir (intake for the Rivanna Water and Sewer Authority) including its tributaries to their headwaters.
10o	III	PWS	The North Fork Rivanna River and its tributaries from the Rivanna Water and Sewer Authority's raw water intake (approximately 1/4 mile upstream of the U.S. Route 29 bridge north of Charlottesville) to points 5 miles upstream.
10p	III	PWS	Troublesome Creek in Buckingham County from Buckingham County's raw water intake point at a flood

control dam south of the Route 631 bridge to a point 5 miles upstream.

10q	III	PWS	Allen Creek and its tributaries from the Wintergreen Mountain Village's primary raw water intake at Lake Monocan [at latitude 37E54'15"; longitude 78E52'10" to a point upstream at latitude 37E53'59"; longitude 78E53'14".
10r	III	PWS	Stony Creek from the diversion structure at latitude 37E54'00"; longitude 78E53'47" to its headwaters inclusive of the Stony Creek raw water intake just upstream of the Peggy's Pinch booster pump station.
10s	III	PWS	Mechunk Creek and its tributaries from the Department of Corrections raw water intake (at the US Route 250 bridge 37E58'57.6", 78E18'48.1") to points 5 miles upstream.

11

III

James River and its tributaries from, but not including, the Rockfish River to Balcony Falls, unless otherwise designated in this chapter.

V

Stockable Trout Waters in Section 11

vi

Dancing Creek from the junction of Routes 610 and 641 to its headwaters.

vi

North Fork Buffalo River from its confluence with the Buffalo River 1.8 miles upstream.

vi

Pedlar River from the confluence of Enchanted Creek to Lynchburg's raw water intake.

vi

Terrapin Creek from its confluence with Otter Creek to its headwaters.

Tye River from Tyro upstream to its confluence with the South and North Fork Tye Rivers.

VI

Natural Trout Waters in Section 11

ii

Big Branch from its confluence with the Pedlar River upstream including all named and unnamed tributaries.

River upstream including all named and unnamed tributaries.

ii Cub Creek (Nelson County) from 1.4 miles above its confluence with the Tye River in the vicinity of Route 699, upstream including all named and unnamed tributaries.

ii Davis Mill Creek from its confluence with the Pedlar River upstream including all named and unnamed tributaries.

ii Durham Run from its confluence with the North Fork Tye River upstream including all named and unnamed tributaries.

ii Elk Pond Branch from its confluence with the North Fork Piney River upstream including all named and unnamed tributaries.

ii Enchanted Creek from its confluence with the Pedlar River upstream including all named and unnamed tributaries.

ii Georges Creek from its confluence with the Little Piney River upstream including all named and unnamed

tributaries.

ii Greasy Spring Branch from its confluence with the South Fork Piney River upstream including all named and unnamed tributaries.

ii Harpers Creek from its confluence with the Tye River upstream including all named and unnamed tributaries.

ii King Creek from its confluence with the Little Piney River upstream including all named and unnamed tributaries.

ii Lady Slipper Run from its confluence with the Pedlar River upstream including all named and unnamed tributaries.

ii Little Cove Creek from its confluence with the North Fork Buffalo River upstream including all named and unnamed tributaries.

iii Little Irish Creek from its confluence with the Pedlar River upstream including all named and unnamed tributaries.

Little Piney River from its confluence with the Piney

- ii River upstream including all named and unnamed tributaries.

- i Louisa Spring Branch from its confluence with the North Fork Piney River 1.6 miles upstream.

- ii Maidenhead Branch from its confluence with the South Fork Tye River upstream including all named and unnamed tributaries.

- ii Meadow Creek (Nelson County) from its confluence with the South Fork Tye River upstream including all named and unnamed tributaries.

- ii Mill Creek (Nelson County) from its confluence with the North Fork Tye River upstream including all named and unnamed tributaries.

- ii Mill Creek (Nelson County) from its confluence with the South Fork Tye River upstream including all named and unnamed tributaries.

- ii Nicholson Run from its confluence with Lady Slipper Run upstream including all named and unnamed tributaries.

- ii North Fork Buffalo River from 1.8 miles above its confluence with the Buffalo River upstream including all named and unnamed tributaries.

- i North Fork Piney River from its confluence with the Piney River upstream including all named and unnamed tributaries.

- iii North Fork Thrashers Creek from its confluence with Thrashers Creek upstream including all named and unnamed tributaries.

- North Fork Tye River from its confluence with the Tye River upstream including all named and unnamed tributaries.

- iii North Fork Tye River from its confluence with the Tye River 1.6 miles upstream.

- ii North Fork Tye River from 1.6 miles above its confluence with the Tye River 8.3 miles upstream.

- iii Pedlar River from 5 miles above Lynchburg's raw water intake upstream including all named and unnamed tributaries.

ii Piney River from river mile 13.3 upstream including all named and unnamed tributaries.

ii Pompey Creek from its confluence with the Little Piney River upstream including all named and unnamed tributaries.

ii Reed Creek from the junction of Routes 764 and 638 upstream including all named and unnamed tributaries.

ii Rocky Branch from its confluence with the North Fork Buffalo River upstream including all named and unnamed tributaries.

ii Rocky Run (Nelson County) from 1.6 miles above its confluence with the Tye River upstream including all named and unnamed tributaries.

i Shoe Creek (Nelson County) from its confluence with Piney River upstream including all named and unnamed tributaries.

iii Silver Creek from its confluence with the Tye River upstream including all named and unnamed tributaries.

South Fork Piney River from its confluence with the

- ii Piney River upstream including all named and unnamed tributaries.

- ii South Fork Tye River from its confluence with the Tye River upstream including all named and unnamed tributaries.

- ii Statons Creek from its confluence with the Pedlar River upstream including all named and unnamed tributaries.

- iii Wheelers Run from its confluence with the Pedlar River upstream including all named and unnamed tributaries.

- ii White Rock Creek (Nelson County) from its confluence with the North Fork Tye River upstream including all named and unnamed tributaries.

- ii Wiggins Branch from its confluence with Statons Creek upstream including all named and unnamed tributaries.

- 11a III PWS Unnamed tributary to Williams Creek from Sweet Briar College's (inactive) raw water intake to its headwaters.

Buffalo River and its tributaries from Amherst's raw

11b	III	PWS	water intake to points 5 miles upstream.
11c	III	PWS	Black Creek and its tributaries from the Nelson County Service Authority intake at latitude 37E42'41.64"; longitude 78E57'10.09" (approximately 1000 feet downstream of the Route 56 bridge) upstream to their headwaters (including the reservoir.)
11d	III		James River and its tributaries from a point 0.25 mile above the confluence of the Tye River to Six Mile Bridge.
11e	III		James River and its tributaries, excluding Blackwater Creek, from Six Mile Bridge to the Business Route 29 Bridge in Lynchburg.
11f			(Deleted)
11g	III	PWS	James River and its tributaries from the Business Route 29 bridge in Lynchburg to Reusens Dam to include the City of Lynchburg's alternate raw water intake at the Route 29 bridge and the Amherst County Service Authority's intake on Harris and Graham Creeks.

11h III PWS

James River and its tributaries, excluding the Pedlar River, from Reusens Dam to Coleman Dam, including the Eagle Eyrie raw water intake on an unnamed tributary to Judith Creek 1.0 mile from the confluence with Judith Creek, to its headwaters, and also the City of Lynchburg's raw water intake on the James River at Abert.

11i III PWS

Pedlar River and its tributaries from Lynchburg's raw water intake to points 5 miles upstream.

V

Stockable Trout Waters in Section 11i

vi

Pedlar River from Lynchburg's raw water intake to a point 5 miles upstream.

VI

Natural Trout Waters in Section III

ii

Brown Mountain Creek from its confluence with the Pedlar River upstream including all named and unnamed tributaries.

iii

Roberts Creek from its confluence with the Pedlar River upstream including all named and unnamed tributaries.

11j III

James River and its tributaries from the Owens-Illinois
raw water intake near Big Island to Balcony Falls.

V

Stockable Trout Waters in Section 11j

vi

Battery Creek from its confluence with the James River
to its headwaters.

vi

Cashaw Creek from its confluence with the James
River to its headwaters.

vi

Otter Creek from its confluence with the James River
to a point 4.9 miles upstream.

vi

Rocky Row Run from its confluence with the James
River to its headwaters.

VI

Natural Trout Waters in Section 11j

iii

Falling Rock Creek from its confluence with Peters
Creek upstream including all named and unnamed
tributaries.

ii

Hunting Creek from a point 3.7 miles from its
confluence with the James River upstream including all
named and unnamed tributaries.

iii

Otter Creek from 4.9 miles above its confluence with
the James River upstream including all named and
unnamed tributaries.

ii

Peters Creek from a point 0.2 mile above its
confluence with the James River upstream including all

named and unnamed tributaries.

11k

Deleted

9 VAC 25-260-450. Roanoke River Basin (Roanoke River Subbasin).

SEC.	CLASS	SP. STDS.	SECTION DESCRIPTION
1	III	PWS	Lake Gaston and the John Kerr Reservoir in Virginia and their tributaries in Virginia, unless otherwise designated in this chapter (not including the Roanoke or the Dan Rivers.) The Roanoke River Service Authority's water supply intake is in this section.
1a	III	s	Dockery Creek and its tributaries to their headwaters.
2	III		Dan River and its tributaries from the John Kerr Reservoir to the Virginia-North Carolina state line just east of the Pittsylvania-Halifax County line, unless otherwise designated in this chapter.
2a	III	PWS	Dan River from South Boston's raw water intake upstream to Paces (below Route 658 bridge.)
2b	III	PWS	Banister River and its tributaries from Burlington Industries' inactive raw water intake (about 2000 feet downstream of Route 360) inclusive of the Town of Halifax intake at the Banister Lake dam upstream to the Pittsylvania/Halifax County Line (designation for main stem and tributaries ends at the county line.)
2c			(Deleted)

2d	III	PWS	Cherrystone Creek from Chatham's raw water intake upstream to its headwaters.
2e	III	PWS	Georges Creek from Gretna's raw water intake upstream to its headwaters.
2f	III	PWS	Banister River and its tributaries from point below its confluence with Bearskin Creek (at latitude 36E46'15"; longitude 79E27'08") just east of Route 703, upstream to their headwaters.
2g	III	PWS	Whitethorn Creek and its tributaries from its confluence with Georges Creek upstream to their headwaters.
3	III		Dan River and its tributaries from the Virginia-North Carolina state line just east of the Pittsylvania-Halifax County line upstream to the state line just east of Draper, N. C., unless otherwise designated in this chapter.
3a	III	PWS	Dan River from the Schoolfield Dam including the City of Danville's main water intake located just upstream of the Schoolfield Dam, upstream to the Virginia-North Carolina state line.
3b	IV	PWS	Cascade Creek and its tributaries.
3c	IV	PWS	Smith River and its tributaries from the Virginia-North

Carolina state line to, but not including, Home Creek.

3d VI PWS Smith River from DuPont's (inactive) raw water intake upstream to the Philpott Dam, unless otherwise designated in this chapter.

VI PWS **Natural Trout Waters in Section 3d**

ii Smith River from DuPont's (inactive) raw water intake upstream to the Philpott Dam, unless otherwise designated in this chapter.

3e IV Philpott Reservoir, Fairystone Lake and their tributaries.

V **Stockable Trout Waters in Section 3e**

v Otter Creek from its confluence with Rennet Bag Creek (Philpott Reservoir) to its headwaters.

v Smith River (Philpott Reservoir portion) from the Philpott Dam (river mile 46.80) to river mile 61.14, just above the confluence with Small Creek.

v Rennet Bag Creek from its confluence with the Smith River to the confluence of Long Branch Creek.

VI

Natural Trout Waters in Section 3e

ii Brogan Branch from its confluence with Rennet Bag Creek upstream including all named and unnamed tributaries.

ii Rennet Bag Creek from the confluence of Long Branch Creek upstream including all named and unnamed tributaries.

ii Roaring Run from its confluence with Rennet Bag Creek upstream including all named and unnamed tributaries.

3f IV PWS North Mayo River and South Mayo River and their tributaries from the Virginia-North Carolina state line to points 5 miles upstream.

3g IV Interstate streams in the Dan River watershed above the point where the Dan crosses the Virginia-North Carolina state line just east of Draper, N. C., (including the Mayo and the Smith watersheds), unless otherwise designated in this chapter.

V

Stockable Trout Waters in Section 3g

vi Dan River from the Virginia-North Carolina state line

upstream to the Pinnacles Power House.

- *** Little Dan River from its confluence with the Dan River
7.8 miles upstream.

- v Smith River from river mile 61.14 just below the
confluence of Small Creek, to Route 704(river mile
69.20.)

- VI **Natural Trout Waters in Section 3g**

- ii Dan River from Pinnacles Power House to Townes
Dam.

- ii Dan River from headwaters of Townes Reservoir to
Talbot Dam.

- iii Little Dan River from 7.8 miles above its confluence
with the Dan River upstream including all named and
unnamed tributaries.

- i North Prong of the North Fork Smith River from its
confluence with the North Fork Smith River upstream
including all named and unnamed tributaries.

- ii North Fork Smith River from its confluence with the
Smith River upstream including all named and

unnamed tributaries.

- iii Smith River from Route 704 (river mile 69.20) to Route 8 (river mile 77.55.)

- ii Smith River from Route 8 (approximate river mile 77.55) upstream including all named and unnamed tributaries.

- ii South Mayo River from river mile 38.8 upstream including all named and unnamed tributaries.

- 3h IV PWS South Mayo River and its tributaries from the Town of Stuart's raw water intake 0.4 mile upstream of its confluence with the North Fork Mayo River to points 5 miles upstream.

- VI **Natural Trout Waters in Section 3h**

- iii Brushy Fork from its confluence with the South Mayo River upstream including all named and unnamed tributaries.

- iii Lily Cove Branch from its confluence with Rye Cove Creek upstream including all named and unnamed tributaries.

- iii Rye Cove Creek from its confluence with the South Mayo River upstream including all named and unnamed tributaries.
 - iii South Mayo River from river mile 33.8 upstream including all named and unnamed tributaries.
- 3i IV PWS Hale Creek and its tributaries from the Fairy Stone State Park's raw water intake 1.7 miles from its confluence with Fairy Stone Lake upstream to its headwaters.
- 3j VI PWS Smith River and its tributaries from the Henry County Public Service Authority's raw water intake about 0.2 mile upstream of its confluence with Town Creek to points 5 miles upstream.
- 4 III Intrastate tributaries to the Dan River above the Virginia-North Carolina state line just east of Draper, North Carolina, to their headwaters, unless otherwise designated in this chapter.
- V **Stockable Trout Waters in Section 4**
- vi Browns Dan River from the intersection of Routes 647 and 646 to its headwaters.
- vi Little Spencer Creek from its confluence with Spencer

Creek to its headwaters.

vi Poorhouse Creek from its confluence with North Fork
South Mayo River upstream to Route 817.

*** Rock Castle Creek from its confluence with the Smith
River upstream to Route 40.

VI **Natural Trout Waters in Section 4**

ii Barnard Creek from its confluence with the Dan River
upstream including all named and unnamed tributaries.

ii Big Cherry Creek from its confluence with Ivy Creek
upstream including all named and unnamed tributaries.

iii Camp Branch from its confluence with Ivy Creek
upstream including all named and unnamed tributaries.

iii Haunted Branch from its confluence with Barnard
Creek upstream including all named and unnamed
tributaries.

ii Hookers Creek from its confluence with the Little Dan
River upstream including all named and unnamed
tributaries.

- iii Ivy Creek from Coleman's Mill Pond upstream to Route 58 (approximately 2.5 miles.)

- iii Ivy Creek from its confluence with the Dan River upstream including all named and unnamed tributaries.

- iii Little Ivy Creek from its confluence with Ivy Creek upstream including all named and unnamed tributaries.

- iii Little Rock Castle Creek from its confluence with Rock Castle Creek upstream including all named and unnamed tributaries.

- ii Maple Swamp Branch from its confluence with Round Meadow Creek upstream including all named and unnamed tributaries.

- iii Mayberry Creek from its confluence with Round Meadow Creek upstream including all named and unnamed tributaries.

- ii Mill Creek from its confluence with the Dan River upstream including all named and unnamed tributaries.

- iii North Fork South Mayo River from its confluence with the South Mayo River upstream including all named and unnamed tributaries.

- vi** Patrick Springs Branch from its confluence with Laurel Branch upstream including all named and unnamed tributaries.

- iii Polebridge Creek from Route 692 upstream including all named and unnamed tributaries.

- ii Poorhouse Creek from Route 817 upstream including all named and unnamed tributaries.

- ii Rhody Creek from its confluence with the South Mayo River upstream including all named and unnamed tributaries.

- iii Rich Creek from Route 58 upstream including all named and unnamed tributaries.

- ii Roaring Creek from its confluence with the Dan River upstream including all named and unnamed tributaries.

- i Rock Castle Creek from Route 40 upstream including all named and unnamed tributaries.

- iii Round Meadow Creek from its confluence with the Dan River upstream including all named and unnamed tributaries.

- ii Sawpit Branch from its confluence with Round Meadow Creek upstream including all named and unnamed tributaries.
- ii Shooting Creek from its confluence with the Smith River upstream including all named and unnamed tributaries.
- vi** Spencer Creek from Route 692 upstream including all named and unnamed tributaries.
- iii Squall Creek from its confluence with the Dan River upstream including all named and unnamed tributaries.
- ii Tuggle Creek from its confluence with the Dan River upstream including all named and unnamed tributaries.
- ii Widgeon Creek from its confluence with the Smith River upstream including all named and unnamed tributaries.
- 4a III PWS Intrastate tributaries (includes Beaver Creek, Little Beaver Creek, and Jones Creek, for the City of Martinsville) to the Smith River from DuPont's (inactive) raw water intake to points 5 miles upstream from Fieldcrest Cannon's raw water intake.

4b	III	PWS	Marrowbone Creek and its tributaries from the Henry County Public Service Authority's raw water intake (about 1/4 mile upstream from Route 220) to their headwaters.
4c	III	PWS	Leatherwood Creek and its tributaries from the Henry County Public Service Authority's raw water intake 8 miles upstream of its confluence with the Smith River to points 5 miles upstream.
5	IV	PWS	Roanoke Staunton River from the headwaters of the John Kerr Reservoir to Leesville Dam unless otherwise designated in this chapter.
5a	III	PWS	Tributaries to the Roanoke Staunton River from the headwaters of the John Kerr Reservoir to Leesville Dam, unless otherwise designated in this chapter.
	V		Stockable Trout Waters in Section 5a
	vi		Day Creek from Route 741 to its headwaters.
	VI		Natural Trout Waters in Section 5a
	iii		Gunstock Creek from its confluence with Overstreet Creek upstream including all named and unnamed

tributaries.

	ii		Overstreet Creek from its confluence with North Otter Creek upstream including all named and unnamed tributaries.
5b	III	PWS	Spring Creek from Keysville's raw water intake upstream to its headwaters.
5c	III	PWS	Falling River and its tributaries from a point just upstream from State Route 40 (the raw water source for Dan River, Inc.) to points 5 miles upstream and including the entire Phelps Creek watershed which contains the Brookneal Reservoir.
5d	III		Falling River and its tributaries from 5 miles above Dan River, Inc. raw water intake to its headwaters.
5e	III	PWS	Reed Creek from Altavista's raw water intake upstream to its headwaters.
5f	III	PWS	Big Otter River and its tributaries from Bedford's raw water intake to points 5 miles upstream, and Stony Creek and Little Stony Creek upstream to their headwaters.
	VI	PWS	Natural Trout Waters in Section 5f

	ii		Little Stony Creek from 1 mile above its confluence with Stony Creek upstream including all named and unnamed tributaries.
	ii		Stony Creek from the Bedford Reservoir upstream including all named and unnamed tributaries.
5g	III		Big Otter River and its tributaries from 5 miles above Bedford's raw water intake upstream to their headwaters.
5h	III		Ash Camp Creek and that portion of Little Roanoke Creek from its confluence with Ash Camp Creek to the Route 47 bridge.
5i	III	PWS	The Roanoke River and its tributaries from the Town of Altavista's raw water intake, 0.1 mile upstream from the confluence of Sycamore Creek, to points 5 miles upstream.
5j	III	PWS	Big Otter River and its tributaries from the Campbell County Utilities and Service Authority's raw water intake to points 5 miles upstream.
6	IV	pH-6.5-9.5	Roanoke River from a point at latitude 37E15'53"; longitude 79E54'00" 5 miles above the headwaters of Smith Mountain Lake upstream to Salem's #1 raw

water intake.

V	pH-6.5-9.5	Stockable Trout Waters in Section 6
***		Roanoke River from its junction from Routes 11 and 419 to Salem's #1 raw water intake.
6a	III NEW-1	Tributaries of the Roanoke River from Leesville Dam to Niagra Reservoir, unless otherwise designated in this chapter.
V		Stockable Trout Waters in Section 6a
vi		Gourd Creek from 1.3 miles above its confluence with Snow Creek to its headwaters.
vi		Maggodee Creek from Boones Mill upstream to Route 862 (approximately 3.8 miles.)
vii		South Fork Blackwater River from its confluence with the Blackwater River upstream to Roaring Run.
vi		South Prong Pigg River from its confluence with the Pigg River to its headwaters.
VI		Natural Trout Waters in Section 6a

- iii Daniels Branch from its confluence with the South Fork Blackwater River upstream including all named and unnamed tributaries.
- ii Green Creek from Roaring Run upstream including all named and unnamed tributaries.
- ii Pigg River from 1 mile above the confluence of the South Prong Pigg River upstream including all named and unnamed tributaries.
- ii Roaring Run from its confluence with the South Fork Blackwater River upstream including all named and unnamed tributaries.
- 6b (Deleted)
- 6c III PWS Falling Creek Reservoir and Beaverdam Reservoir.
- 6d IV Tributaries of the Roanoke River from Niagra Reservoir to Salem's #1 raw water intake, unless otherwise designated in this chapter.
- V **Stockable Trout Waters in Section 6d**
- vii Tinker Creek from its confluence with the Roanoke

River north to Routes 11 and 220.

	VI		Natural Trout Waters in Section 6d
	iii		Glade Creek from its junction with Route 633 to the Bedford County line.
6e	IV	PWS	Carvin Cove Reservoir and its tributaries to their headwaters.
6f	IV	PWS, NEW-1	Blackwater River and its tributaries from the Town of Rocky Mount's raw water intake (just upstream of State Route 220) to points 5 miles upstream.
6g	IV	PWS	Tinker Creek from the City of Roanoke's raw water intake (about 0.4 mile downstream from Glebe Mills) upstream 5 miles.
6h	IV	PWS	Roanoke River from Leesville Dam to Smith Mountain Dam (Gap of Smith Mountain), excluding all tributaries to Leesville Lake.
6i	IV	PWS	Roanoke River from Smith Mountain Dam (Gap of Smith Mountain) upstream to a point (at latitude 37E15'53"; longitude 79E54'00") and its tributaries to points 5 miles above the 795.0 foot contour (normal pool elevation) of Smith Mountain Lake.

7	IV	pH-6.5-9.5	Roanoke River and its tributaries, unless otherwise designated in this chapter, from Salem's #1 raw water intake to their headwaters.
	V	pH-6.5-9.5	Stockable Trout Waters in Section 7
	vi		Elliott Creek from the confluence of Rocky Branch to its headwaters.
	vi		Goose Creek from its confluence with the South Fork Roanoke River to its headwaters.
	vi		Mill Creek from its confluence with Bottom Creek to its headwaters.
	***		Roanoke River from 5 miles above Salem's #2 raw water intake to the Spring Hollow Reservoir intake (see section 7b.)
	vi		Smith Creek from its confluence with Elliott Creek to its headwaters.
	vi		South Fork Roanoke River from 5 miles above the Spring Hollow Reservoir intake (see section 7b) to the mouth of Bottom Creek (river mile 17.1.)

VI pH-6.5-9.5

Natural Trout Waters in Section 7

- ii Big Laurel Creek from its confluence with Bottom Creek upstream including all named and unnamed tributaries.
 - ii Bottom Creek from its confluence with the South Fork Roanoke River upstream including all named and unnamed tributaries.
 - ii Lick Fork (Floyd County) from its confluence with Goose Creek upstream including all named and unnamed tributaries.
 - ii Mill Creek from its confluence with the North Fork Roanoke River upstream including all named and unnamed tributaries.
 - iii Purgatory Creek from Camp Alta Mons upstream including all named and unnamed tributaries.
 - ii Spring Branch from its confluence with the South Fork Roanoke River upstream including all named and unnamed tributaries.
- 7a IV PWS, pH-6.5-9.5 Roanoke River and its tributaries from Salem's #1 raw water intake to points 5 miles upstream from Salem's #2 raw water intake.

V	PWS, pH-6.5-9.5	Stockable Trout Waters in Section 7a
***		Roanoke River from Salem's #1 raw water intake to a point 5 miles upstream from Salem's #2 raw water intake.
7b	IV PWS, pH-6.5-9.5	Roanoke River and its tributaries from the Spring Hollow Reservoir intake (37E14'2.59"/80E10'39.61") upstream to points 5 miles upstream.
V	PWS, pH 6.5-9.5	Stockable Trout Waters in Section 7b
***		Roanoke River from the Spring Hollow Reservoir intake to the Montgomery County line.
vi		South Fork Roanoke River from its confluence with the Roanoke River to 5 miles above the Spring Hollow Reservoir intake.

9 VAC 25-260-480. Chowan and Dismal Swamp (Albemarle Sound Subbasin).

SEC.	CLASS	SP. STDS.	SECTION DESCRIPTION
1	II		Back Bay and its tributaries in the City of Virginia Beach to the Virginia-North Carolina state line and the Northwest River and its tidal tributaries from the Virginia-North Carolina state line to the free flowing portion, unless otherwise designated in this chapter and North Landing River and its tidal tributaries from the Virginia-North Carolina state line to the Great Bridge Lock.
1a	III		The free flowing portions of streams in Section 1 and tributaries of Stumpy Lake.
1b	III	PWS	Stumpy Lake (raw water supply for the City of Norfolk) and feeder streams to points 5 miles upstream.
1c	II	PWS	Northwest River and its tributaries from the City of Chesapeake's raw water intake to points 5 miles upstream and points 5 miles downstream.
2	III		Intracoastal Waterway (portions not described in Section 1).
3	III	<u>dd</u>	Lake Drummond, including feeder ditches, and all interstate tributaries of the Dismal Swamp between Virginia and North Carolina.

SEC.	CLASS	SP. STDS	SECTION DESCRIPTION
1	IV	u	New River and its tributaries, unless otherwise designated in this chapter, from the Virginia-West Virginia state line to the Montgomery-Giles County line.
	V		Stockable Trout Waters in Section 1
		***	Laurel Creek (a tributary to Wolf Creek in Bland County) from Rocky Gap to the Route 613 bridge one mile west of the junction of Routes 613 and 21.
	viii		Laurel Creek (Bland County) from its confluence with Hunting Camp Creek 3.2 miles upstream.
	viii		Little Wolf Creek (Bland County) from its confluence with Laurel Creek 2.6 miles upstream.
	v		Sinking Creek from 5.1 miles above its confluence with the New River 10.8 miles upstream (near the Route 778 crossing.)
	vi		Sinking Creek from the Route 778 crossing to the Route 628 crossing.

- vi Spur Branch from its confluence with Little Walker Creek to its headwaters.

- v Walker Creek from the Route 52 bridge to its headwaters.

- *** Wolf Creek (Bland County) from Grapefield to its headwaters.

- VI **Natural Trout Waters in Section 1**

- ii Bear Spring Branch from its confluence with the New River upstream including all named and unnamed tributaries.

- iii Clear Fork (Bland County) from river mile 8.5 upstream including all named and unnamed tributaries.

- ii Cove Creek (Tazewell County) from its confluence with Clear Fork upstream including all named and unnamed tributaries.

- ii Cox Branch from its confluence with Clear Fork to Tazewell's raw water intake river mile 1.6.

- iii Ding Branch from its confluence with Nobusiness Creek

upstream including all named and unnamed tributaries.

- ii Dry Fork (Bland County) from 4.8 miles above its confluence with Laurel Creek upstream including all named and unnamed tributaries.

- ii East Fork Cove Creek (Tazewell County) from its confluence with Cove Creek upstream including all named and unnamed tributaries.

- Hunting Camp Creek from its confluence with Wolf Creek upstream including all named and unnamed tributaries.

- *** (Hunting Camp Creek from its confluence with Wolf Creek 8.9 miles upstream.)

- iii (Hunting Camp Creek from 8.9 miles above its confluence with Wolf Creek 3 miles upstream.)

- ii Laurel Creek (tributary to Wolf Creek in Bland County) from Camp Laurel in the vicinity of Laurel Fork Church, upstream including all named and unnamed tributaries.

- ii Laurel Creek from a point 0.7 mile from its confluence with Sinking Creek upstream including all named and

unnamed tributaries.

ii Little Creek (Tazewell County) from 1.5 miles above its confluence with Wolf Creek above the Tazewell County Sportsmen's Club Lake upstream including all named and unnamed tributaries.

ii Mercy Branch from its confluence with Mill Creek upstream including all named and unnamed tributaries.

ii Mill Creek from the Narrows Town line upstream including all named and unnamed tributaries.

ii Mudley Branch from its confluence with the West Fork Cove Creek upstream including all named and unnamed tributaries.

Nobusiness Creek from its confluence with Kimberling Creek upstream including all named and unnamed tributaries.

*** (Nobusiness Creek from its confluence with Kimberling Creek 4.7 miles upstream.)

iii (Nobusiness Creek from 4.7 miles above its confluence with Kimberling Creek upstream including all named and

unnamed tributaries.)

ii Oneida Branch from its confluence with the West Fork
Cove Creek upstream including all named and unnamed
tributaries.

iii Panther Den Branch from its confluence with Nobusiness
Creek upstream including all named and unnamed
tributaries.

ii Piney Creek from its confluence with the New River
upstream including all named and unnamed tributaries.

ii Wabash Creek from its confluence with Walker Creek
upstream including all named and unnamed tributaries.

ii West Fork Cove Creek from its confluence with Cove
Creek upstream including all named and unnamed
tributaries.

1a (Deleted)

1b IV u Wolf Creek and its tributaries in Virginia from its
confluence with Mill Creek upstream to the Giles-Bland
County line.

1c (Deleted)

1d IV u Stony Creek and its tributaries, unless otherwise designated in this chapter, from its confluence with the New River upstream to its headwaters, and Little Stony Creek and its tributaries from its confluence with the New River to its headwaters.

V **Stockable Trout Waters in Section 1d**

vi Stony Creek (Giles County) from its confluence with the New River to its confluence with Laurel Branch.

VI **Natural Trout Waters in Section 1d**

iii Dismal Branch from its confluence with Stony Creek upstream including all named and unnamed tributaries.

ii Dixon Branch from its confluence with North Fork Stony Creek upstream including all named and unnamed tributaries.

ii Hemlock Branch from its confluence with Little Stony Creek upstream including all named and unnamed

tributaries.

- ii Laurel Branch from its confluence with Stony Creek upstream including all named and unnamed tributaries.
- ii Laurel Creek from its confluence with Little Stony Creek upstream including all named and unnamed tributaries.
- ii cc Little Stony Creek from its confluence with the New River upstream including all named and unnamed tributaries.
- ii Maple Flats Branch from its confluence with Little Stony Creek upstream including all named and unnamed tributaries.
- ii Meredith Branch from its confluence with Little Stony Creek upstream including all named and unnamed tributaries.
- iii Nettle Hollow from its confluence with Little Stony Creek upstream including all named and unnamed tributaries.
- ii North Fork Stony Creek from its confluence with Stony Creek upstream including all named and unnamed tributaries.

- iii Pine Swamp Branch from its confluence with Stony Creek upstream including all named and unnamed tributaries.
- ii Pond Drain from its confluence with Little Stony Creek upstream including all named and unnamed tributaries.
- iii Stony Creek (Giles County) from the confluence of Laurel Branch at Olean upstream including all named and unnamed tributaries.
- ii White Rock Branch from its confluence with Stony Creek upstream including all named and unnamed tributaries.
- ii Wildcat Hollow from its confluence with Stony Creek upstream including all named and unnamed tributaries.
- 1e IV PWS,u Kimberling Creek and its tributaries from Bland Correctional Farm's raw water intake to points 5 miles upstream.
- VI PWS **Natural Trout Waters in Section 1e**
- iii Dismal Creek from its confluence with Kimberling Creek upstream including all named and unnamed tributaries.

	iii		Pearis Thompson Branch from its confluence with Dismal Creek upstream including all named and unnamed tributaries.
	iii		Standrock Branch from its confluence with Dismal Creek upstream including all named and unnamed tributaries.
1f			(Deleted)
1g	IV	u	Bluestone River and its tributaries, unless otherwise designated in this chapter, from the Virginia-West Virginia state line upstream to their headwaters.
1h	IV	PWS,u	Bluestone River and its tributaries from Bluefield's raw water intake upstream to its headwaters.
	VI	PWS	Natural Trout Waters in Section 1h
	iii		Bluestone River from a point adjacent to the Route 650/460 intersection to a point 5.7 miles upstream.
1i	IV	PWS	Big Spring Branch from the Town of Pocahontas' intake, from the Virginia-West Virginia state line, including the entire watershed in Abbs Valley (the Town of Pocahontas' intake is located in West Virginia at latitude 37E18'23" and

longitude 81E18'54".)

1j			(Deleted.)
1k	IV	PWS	Walker Creek and its tributaries from the Wythe-Bland Water and Sewer Authority's raw water intake (for Bland) to points five miles upstream.
1l	VI ii	PWS	Cox Branch and its tributaries from Tazewell's raw water intake at the Tazewell Reservoir (river mile 1.6) to headwaters.
2	IV	v, NEW-5	New River and its tributaries, unless otherwise designated in this chapter, from the Montgomery-Giles County line upstream to the Virginia-North Carolina state line (to include Peach Bottom Creek from its confluence with the New River to the mouth of Little Peach Bottom Creek.)
	V		Stockable Trout Waters in Section 2
	v		Beaverdam Creek from its confluence with the Little River to its headwaters.
	v		Big Indian Creek from its confluence with the Little River to a point 7.4 miles upstream.

- vi Boyd Spring Run from its confluence with the New River to its headwaters.
- *** Brush Creek from the first bridge on Route 617 south of the junction of Routes 617 and 601 to the Floyd County line.
- vi Camp Creek from its confluence with the Little River to its headwaters.
- vi Cove Creek (Wythe County) from Route 77, 8.1 miles above its confluence with Reed Creek, 10.5 miles upstream.

Dodd Creek from its confluence with the West Fork Little River to its headwaters.

*** (Dodd Creek from its confluence with the West Fork Little River 4 miles upstream.)

vi (Dodd Creek from 4 miles above its confluence with the West Fork Little River to its headwaters.)

vi East Fork Stony Fork from its confluence with Stony Fork 4 miles upstream.

*** Elk Creek from its confluence with Knob Fork Creek to the junction of State Routes 611 and 662.

vi Gullion Fork from its confluence with Reed Creek 3.3 miles upstream.

vi Little Brush Creek from its confluence with Brush Creek 1.9 miles upstream.

vi Lost Bent Creek from its confluence with the Little River to

its headwaters.

vi Middle Creek from its confluence with Little River to its headwaters.

vi Middle Fox Creek from its confluence with Fox Creek 4.1 miles upstream.

vi Mill Creek (Wythe County) from its confluence with the New River 3.7 miles upstream.

v North Fork Greasy Creek from its confluence with Greasy Creek to its headwaters.

vi Oldfield Creek from its confluence with the Little River to its headwaters.

vi Peach Bottom Creek from the mouth of Little Peach Bottom Creek to its headwaters.

vi Pine Branch from its confluence with the Little River to its headwaters.

- vi Pine Creek (Carroll County) from its confluence with Big Reed Island Creek to its headwaters.

- vi Piney Fork from its confluence with Greasy Creek to its headwaters.

- vi Poor Branch from its confluence with the New River to its headwaters.

- vi Poverty Creek (Montgomery County) from its confluence with Toms Creek to its headwaters.

- vi Reed Creek (Wythe County) within the Jefferson National Forest from 57 miles above its confluence with the New River 6.8 miles upstream, unless otherwise designated in this chapter.

- vi Shady Branch from its confluence with Greasy Creek to its headwaters.

- vi Shorts Creek from 6.2 miles above its confluence with the New River in the vicinity of Route 747, 3 miles upstream.

- South Fork Reed Creek from river mile 6.8 (at Route 666

- vi below Groseclose) 11.9 miles upstream.
- vi St. Lukes Fork from its confluence with Cove Creek 1.4 miles upstream.
- vi Stony Fork (Wythe County) from 1.9 miles above its confluence with Reed Creek at the intersection of Routes 600, 682, and 21/52 at Favonia 5.7 miles upstream.
- *** Toms Creek from its confluence with the New River to its headwaters.
- vi West Fork Big Indian Creek from its confluence with Big Indian Creek to its headwaters.
- *** West Fork Peak Creek from the Forest Service Boundary to its headwaters.
- vi Wolf Branch from its confluence with Poor Branch 1.2 miles upstream.
- VI **Natural Trout Waters in Section 2**

- ii Baker Branch from its confluence with Cabin Creek upstream including all named and unnamed tributaries.

- ii Baldwin Branch from 0.2 mile above its confluence with Big Horse Creek at the Grayson County - Ashe County state line upstream including all named and unnamed tributaries.

- ii Bear Creek (Carroll County) from its confluence with Laurel Fork upstream including all named and unnamed tributaries.

- iii Beaver Creek from its confluence with the Little River upstream including all named and unnamed tributaries.

- iii Beaverdam Creek (Carroll County) from its confluence with Crooked Creek upstream including all named and unnamed tributaries.

- ii Big Branch from its confluence with Greasy Creek upstream including all named and unnamed tributaries.

- iii Big Horse Creek from 12.8 miles above its confluence with the North Fork New River (above the state line below

Whitetop) upstream including all named and unnamed tributaries.

ii Big Indian Creek from a point 7.4 miles upstream of its confluence with the Little River upstream including all named and unnamed tributaries.

ii Big Laurel Creek from its confluence with the Little River upstream including all named and unnamed tributaries.

iii Big Laurel Creek from its confluence with Pine Creek upstream including all named and unnamed tributaries.

iii Big Reed Island Creek from Route 221 upstream including all named and unnamed tributaries.

iii Big Run from its confluence with the Little River upstream including all named and unnamed tributaries.

Big Wilson Creek from its confluence with the New River upstream including all named and unnamed tributaries.

*** (Big Wilson Creek from its confluence with the New River

8.8 miles upstream.)

- ii (Big Wilson Creek from 8.8 miles above its confluence with the New River 6.6 miles upstream.)

- iii Blue Spring Creek from its confluence with Cripple Creek upstream including all named and unnamed tributaries.

- ii Boothe Creek from its confluence with the Little River upstream including all named and unnamed tributaries.

- ii Bournes Branch from its confluence with Brush Creek upstream including all named and unnamed tributaries.

- iii Brannon Branch from its confluence with Burks Fork upstream including all named and unnamed tributaries.

- ii Brier Run from its confluence with Big Wilson Creek upstream including all named and unnamed tributaries.

- ii Buffalo Branch from its confluence with Laurel Fork upstream including all named and unnamed tributaries.

- iii Burgess Creek from its confluence with Big Horse Creek upstream including all named and unnamed tributaries.

- iii Burks Fork from the (Floyd-Carroll County) line upstream including all named and unnamed tributaries.

- ii Byars Creek from its confluence with Whitetop Creek upstream including all named and unnamed tributaries.

- Cabin Creek from its confluence with Helton Creek upstream including all named and unnamed tributaries.

- ii (Cabin Creek from its confluence with Helton Creek 3.2 miles upstream.)

- i (Cabin Creek from 3.2 miles above its confluence with Helton Creek upstream including all named and unnamed tributaries.)

- ii Cherry Creek from its confluence with Big Reed Island Creek upstream including all named and unnamed tributaries.

- Chisholm Creek from its confluence with Laurel Fork

- ii upstream including all named and unnamed tributaries.

- iv Crigger Creek from its confluence with Cripple Creek
upstream including all named and unnamed tributaries.

- *** Cripple Creek from the junction of the stream and U. S.
Route 21 in Wythe County upstream including all named
and unnamed tributaries.

- iii Crooked Creek (Carroll County) from Route 707 to Route
620.

- ii Crooked Creek from Route 620 upstream including all
named and unnamed tributaries.

- iii Daniel Branch from its confluence with Crooked Creek
upstream including all named and unnamed tributaries.

- iii Dobbins Creek from its confluence with the West Fork
Little River upstream including all named and unnamed
tributaries.

- iv Dry Creek from 1.9 miles above its confluence with Blue
Spring Creek upstream including all named and unnamed

tributaries.

iii Dry Run (Wythe County) from its confluence with Cripple Creek upstream including all named and unnamed tributaries.

iii Earls Branch from its confluence with Beaver Creek upstream including all named and unnamed tributaries.

iii East Fork Crooked Creek from its confluence with Crooked Creek upstream including all named and unnamed tributaries.

ii East Fork Dry Run from its confluence with Dry Run upstream including all named and unnamed tributaries.

ii East Prong Furnace Creek from its confluence with Furnace Creek upstream including all named and unnamed tributaries.

ii Elkhorn Creek from its confluence with Crooked Creek upstream including all named and unnamed tributaries.

Fox Creek from junction of the Creek and Route 734

- ii upstream including all named and unnamed tributaries.

- iii Francis Mill Creek from its confluence with Cripple Creek
upstream including all named and unnamed tributaries.

- ii Furnace Creek from its confluence with the West Fork
Little River upstream including all named and unnamed
tributaries.

- *** Glade Creek Carroll County from its confluence with
Crooked Creek upstream including all named and
unnamed tributaries.

- iii Grassy Creek (Carroll County) from its confluence with
Big Reed Island Creek at Route 641, upstream including
all named and unnamed tributaries.

- vi** Grassy Creek (Carroll County) from its confluence with
Little Reed Island Creek at Route 769, upstream including
all named and unnamed tributaries.

- iii Greasy Creek from the (Floyd-Carroll County) line
upstream including all named and unnamed tributaries.

- iii Greens Creek from its confluence with Stone Mountain Creek upstream including all named and unnamed tributaries.

- iii Guffey Creek from its confluence with Fox Creek upstream including all named and unnamed tributaries.

- ii Helton Creek from the Virginia-North Carolina state line upstream including all named and unnamed tributaries.

- ii Howell Creek from its confluence with the West Fork Little River upstream including all named and unnamed tributaries.

- ii Jerry Creek (Grayson County) from its confluence with Middle Fox Creek upstream including all named and unnamed tributaries.

- iii Jones Creek (Wythe County) from its confluence with Kinser Creek upstream including all named and unnamed tributaries.

- ii Killinger Creek from its confluence with Cripple Creek and White Rock Creek upstream including all named and

unnamed tributaries.

iii Kinser Creek from 0.4 mile above its confluence with Crigger Creek above the National Forest Boundary at Groseclose Chapel upstream including all named and unnamed tributaries.

iii Laurel Branch (Carroll County) from its confluence with Staunton Branch upstream including all named and unnamed tributaries.

iii Laurel Creek (Grayson County) from its confluence with Fox Creek upstream including all named and unnamed tributaries.

ii Laurel Fork from the (Floyd-Carroll County) line upstream including all named and unnamed tributaries.

iii Laurel Fork Carroll County from its confluence with Big Reed Island Creek to the Floyd-Carroll County line.

i Lewis Fork from its confluence with Fox Creek upstream including all named and unnamed tributaries.

- iii Little Cranberry Creek from its confluence with Crooked Creek upstream including all named and unnamed tributaries.

- ii Little Helton Creek from the (Grayson County-Ashe County) state line upstream including all named and unnamed tributaries.

- *** Little Reed Island Creek from the junction of the stream and State Routes 782 and 772 upstream including all named and unnamed tributaries, unless otherwise designated in this chapter.

- *** Little River from its junction with Route 706 upstream including all named and unnamed tributaries.

- ii Little Snake Creek from its confluence with Big Reed Island Creek upstream including all named and unnamed tributaries.

- ii Little Wilson Creek from its confluence with Wilson Creek (at Route 16 at Volney) upstream including all named and unnamed tributaries.

- ii Long Mountain Creek from its confluence with Laurel Fork upstream including all named and unnamed tributaries.

- iii Meadow Creek (Floyd County) from its confluence with the Little River upstream including all named and unnamed tributaries.

- iii Meadow View Run from its confluence with Burks Fork upstream including all named and unnamed tributaries.

- iii Middle Creek from its confluence with Crigger Creek upstream including all named and unnamed tributaries.

- ii Middle Fork Helton Creek from its confluence with Helton Creek 2.2 miles upstream.

- i Middle Fork Helton Creek from 2.2 miles above its confluence with Helton Creek upstream including all named and unnamed tributaries.

- iii Middle Fox Creek from 4.1 miles above its confluence with Fox Creek upstream including all named and unnamed tributaries.

- iii Mill Creek (Carroll County) from its confluence with Little Reed Island Creek upstream including all named and unnamed tributaries.

- ii Mill Creek (Grayson County) from its confluence with Fox Creek upstream including all named and unnamed tributaries.

- iii Mira Fork from its confluence with Greasy Creek upstream including all named and unnamed tributaries.

- ii North Branch Elk Creek from its confluence with Elk Creek upstream including all named and unnamed tributaries.

- iii North Prong Buckhorn Creek from its confluence with Buckhorn Creek upstream including all named and unnamed tributaries.

- ii Oldfield Creek from its confluence with Laurel Fork upstream including all named and unnamed tributaries.

- ii Opossum Creek from its confluence with Fox Creek upstream including all named and unnamed tributaries.

- iii Payne Creek from its confluence with the Little River upstream including all named and unnamed tributaries.

- iii Peak Creek from 19 miles above its confluence with the New River above the Gatewood Reservoir upstream including all named and unnamed tributaries.

- iii Pine Creek (Carroll County) from its confluence with Big Reed Island Creek upstream including all named and unnamed tributaries.

- iii Pine Creek (Floyd County) from its confluence with Little River upstream including all named and unnamed tributaries.

- iii Pipestem Branch from its confluence with Big Reed Island Creek upstream including all named and unnamed tributaries.

- i Quebec Branch from its confluence with Big Wilson Creek upstream including all named and unnamed tributaries.

- iv Raccoon Branch from its confluence with White Rock Creek upstream including all named and unnamed

tributaries.

- *** Reed Creek (Wythe County) from 5 miles above Wytheville's raw water intake upstream including all named and unnamed tributaries.

- ii Ripshin Creek from its confluence with Laurel Creek upstream including all named and unnamed tributaries.

- iii Road Creek (Carroll County) from its confluence with Big Reed Island Creek upstream including all named and unnamed tributaries.

- ii Roads Creek (Carroll County) from its confluence with Laurel Fork upstream including all named and unnamed tributaries.

- iv Rock Creek from its confluence with Big Reed Island Creek upstream including all named and unnamed tributaries.

- iii Silverleaf Branch from its confluence with the Little River upstream including all named and unnamed tributaries.

- iii Snake Creek from Route 670 (3.2 miles above its confluence with Big Reed Island Creek) upstream including all named and unnamed tributaries.

- ii Solomon Branch from its confluence with Fox Creek upstream including all named and unnamed tributaries.

- vi** South Branch Elk Creek from its confluence with Elk Creek upstream including all named and unnamed tributaries.

- iii Spurlock Creek from its confluence with the West Fork Little River upstream including all named and unnamed tributaries.

- iii Staunton Branch from its confluence with Crooked Creek upstream including all named and unnamed tributaries.

- iii Stone Mountain Creek from its confluence with Big Reed Island Creek upstream including all named and unnamed tributaries.

- iii Straight Branch (Carroll County) from its confluence with Greens Creek upstream including all named and

unnamed tributaries.

ii Sulphur Spring Branch from its confluence with Big Reed Island Creek upstream including all named and unnamed tributaries.

iii Tory Creek from its confluence with Laurel Fork upstream including all named and unnamed tributaries.

iii Tract Fork from the confluence of Fortnerfield Branch upstream including all named and unnamed tributaries.

ii Trout Branch from its confluence with Little Reed Island creek upstream including all named and unnamed tributaries.

iii Turkey Fork from 2.6 miles above its confluence with Elk Creek upstream including all named and unnamed tributaries.

ii Venrick Run from its confluence with Reed Creek upstream including all named and unnamed tributaries.

West Fork Comers Rock Branch from its confluence with

- iii Comers Rock Branch upstream including all named and unnamed tributaries.

- iii West Fork Dodd Creek from its confluence with Dodd Creek upstream including all named and unnamed tributaries.

- iii West Fork Dry Run from its confluence with Dry Run 2 miles upstream.

- iii West Fork Little Reed Island Creek (Carroll County) from its confluence with Little Reed Island Creek upstream including all named and unnamed tributaries.

- *** West Fork Little River from its confluence with Little River upstream including all named and unnamed tributaries.

- iii West Prong Furnace Creek from its confluence with Furnace Creek upstream including all named and unnamed tributaries.

- White Rock Creek from its confluence with Cripple Creek upstream including all named and unnamed tributaries.

	***		(White Rock Creek from its confluence with Cripple Creek 1.9 miles upstream.)
	iv		(White Rock Creek from 1.9 miles above its confluence with Cripple Creek upstream including all named and unnamed tributaries.)
	ii		Whitetop Creek from its confluence with Big Horse Creek upstream including all named and unnamed tributaries.
	i		Wilburn Branch from its confluence with Big Wilson Creek upstream including all named and unnamed tributaries.
2a	IV	PWS,v	New River from Radford Army Ammunition Plant's raw water intake (that intake which is the further downstream), upstream to a point 5 miles above the Blacksburg- Christiansburg, V.P.I. Water Authority's raw water intake and including tributaries in this area to points 5 miles above the respective raw water intakes.
2b	IV	PWS,v	New River from Radford's raw water intake upstream to Claytor Dam and including tributaries to points 5 miles above the intake.

2c IV v, **NEW-4** New River and its tributaries, except Peak Creek above Interstate Route 81, from Claytor Dam to Big Reed Island Creek (Claytor Lake.)

V **Stockable Trout Waters in Section 2c**

vi Chimney Branch from its confluence with Big Macks Creek to its headwaters.

vi White Oak Camp Branch from its confluence with Chimney Branch to its headwaters.

VI **Natural Trout Waters in Section 2c**

ii Bark Camp Branch from its confluence with Big Macks Creek upstream including all named and unnamed tributaries.

ii Big Macks Creek from Powhatan Camp upstream including all named and unnamed tributaries.

iii Little Macks Creek from its confluence with Big Macks Creek upstream including all named and unnamed

tributaries.

ii Puncheoncamp Branch from its confluence with Big Macks Creek upstream including all named and unnamed tributaries.

2d IV PWS,v,NEW-5 Peak Creek and its tributaries from Pulaski's raw water intake upstream, including Hogan Branch to its headwaters and Gatewood Reservoir.

2e (Deleted)

2f IV PWS,v Little Reed Island Creek and its tributaries from Hillsville's upstream raw water intake near Cranberry Creek to points 5 miles above Hillsville's upstream raw water intake, including the entire watershed of the East Fork Little Reed Island Creek.

VI PWS **Natural Trout Waters in Section 2f**

iii East Fork Little Reed Island Creek from its confluence with West Fork Little Reed Island Creek upstream including all named and unnamed tributaries.

	***		Little Reed Island Creek from Hillsville's upstream raw water intake to a point 5 miles upstream.
	iii		Mine Branch from its confluence with the East Fork Little Reed Island Creek 2 miles upstream.
2g	IV	PWS,v	Reed Creek and its tributaries from Wytheville's raw water intake to 5 miles upstream.
	VI	PWS,v	Natural Trout Waters in Section 2g
	***		Reed Creek from the western town limits of Wytheville to 5 miles upstream.
2h	IV	PWS,v	Chestnut Creek and its tributaries from Galax's raw water intake upstream to their headwaters or to the Virginia-North Carolina state line.
	VI	PWS	Natural Trout Waters in Section 2h
	***		Coal Creek from its confluence with Chestnut Creek upstream including all named and unnamed tributaries.
	ii		East Fork Chestnut Creek (Grayson County) from its

confluence with Chestnut Creek upstream including all named and unnamed tributaries.

iii Hanks Branch from its confluence with the East Fork Chestnut Creek upstream including all named and unnamed tributaries.

iii Linard Creek from its confluence with Hanks Branch upstream including all named and unnamed tributaries.

2i IV Fries Reservoir section of the New River.

2j IV PWS Eagle Bottom Creek from Fries' raw water intake upstream to its headwaters.

2k IV Stuart Reservoir section of the New River.

2l IV PWS New River and its tributaries inclusive of the Wythe County Water Department's Austinville intake at latitude 36E51'8.47" and longitude 80E55'29.31", and the Wythe County Water Department's Ivanhoe intake on Powder Mill Branch at latitude 36E49'15.96" and longitude 80E58'11.28" to points 5 miles above the intakes.

	V	PWS	Stockable Trout Waters in Section 2I
	vi		Powder Mill Branch (from 0.6 mile above its confluence with the New River) 2.1 miles upstream.
2m	IV	PWS, NEW-4,5	New River (Claytor Lake) from the Klopman Mills raw water intake to the Pulaski County Public Service Authority's raw water intake and tributaries to points 5 miles upstream of each intake.
2n			(Deleted)