

(3) All tanks are located so as to be accessible for cleaning and maintenance.

H. Pump Criteria.

(1) All sewage disposal systems using septic tank effluent pumping (STEP) type collection system shall have an individual pump for each user.

(a) The pumps are housed in a water-tight pump pit with access to the surface of the ground.

(b) All pumps are located so as to be accessible for repair and replacement.

I. The approving authority, with the concurrence of the Department of the Environment, may grant an exception to §§F, G, and H of this regulation when, if the opinion of the approving authority, the exceptions result in improved or equivalent operation, maintenance, or benefit to the public health, and when improved technology, determined by the approving authority to be equivalent or an improvement to that specified in §§F, G, and H, is employed.

ROBERT M. SUMMERS, Ph.D.
Secretary of the Environment

Subtitle 08 WATER POLLUTION

Notice of Proposed Action

[13-405-P]

The Secretary of the Environment proposes to amend:

- (1) Regulation **.01** under **COMAR 26.08.01 General**;
- (2) Regulations **.01**, **.02**, **.02-1**, **.03-2**, **.03-3**, **.04**, **.04-1**, **.07**, **.08**, and **.11** under **COMAR 26.08.02 Water Quality**; and
- (3) Regulations **.02-1** and **.04** under **COMAR 26.08.04 Permits**.

Statement of Purpose

The purpose of this action is to revise water quality standards as a result of the Triennial Review process. The review revealed several necessary amendments and additions to the water quality standards:

- 1. Add a definition.
- 2. Correct an error in the description of Water Quality Standards.
- 3. Update numeric toxics criteria.
- 4. Change the term “Use” to “Class” to better characterize the combination of waterbody type and designated uses given to each waterbody.
- 5. Update the list of “Tier II” (high quality) waters.
- 6. Amend designated uses which reflect existing uses.
- 7. Standardize the coordinate system for describing locations of waterbodies.

Comparison to Federal Standards

There is a corresponding federal standard to this proposed action, but the proposed action is not more restrictive or stringent.

Estimate of Economic Impact

The proposed action has no economic impact.

Economic Impact on Small Businesses

The proposed action has minimal or no economic impact on small businesses.

Impact on Individuals with Disabilities

The proposed action has no impact on individuals with disabilities.

Opportunity for Public Comment

Comments may be sent to John Backus, Environmental Program Manager, Maryland Department of the Environment, 1800 Washington Blvd. Baltimore, MD 21230, or call 410-537-3965, or

email to john.backus@maryland.gov. Comments will be accepted through January 13, 2014. A public hearing has not been scheduled.

Open Meeting

Final action on the proposal will be considered by the Maryland Department of the Environment during a public meeting to be held on January 7, 2014, at 3 p.m., at MDE Headquarters, 1800 Washington Blvd., Baltimore, MD 21230.

26.08.01 General

Authority: Environment Article, §§9-313—9-316, 9-319, 9-320, 9-325, 9-327, and 9-328, Annotated Code of Maryland

.01 Definitions.

A. General.

- (1)—(95) (text unchanged)
- (95-1) “Use Class” means the combination of waterbody type (e.g. non-tidal) and designated uses given to each waterbody.
- (96)—(103) (text unchanged)

26.08.02 Water Quality

Authority: Environment Article, §§9-303.1, 9-313—9-316, 9-319, 9-320—9-325, 9-327, and 9-328, Annotated Code of Maryland

.01 Surface Water Quality Protection.

A. (text unchanged)

B. Water Quality Standards.

- (1) The surface water quality standards consist of [two] three parts:
 - (a) Designated uses of the waters of this State; [and]
 - (b) Water quality criteria to protect the designated uses[.], and
 - (c) Antidegradation Policy
- (2)—(5) (text unchanged)

.02 Designated Uses.

A. (text unchanged)

B. Specific Designated Use[s] Classes.

- (1) [Use] Class I: Water Contact Recreation, and Protection of Nontidal Warmwater Aquatic Life. This [use] class designation includes waters that are suitable for:
 - (a)—(f) (text unchanged)
- (2) [Use] Class I-P: Water Contact Recreation, Protection of Aquatic Life, and Public Water Supply. This [use] class designation includes:
 - (a) All uses identified for [Use] Class I; and
 - (b) (text unchanged)
- (3) [Use] Class II: Support of Estuarine and Marine Aquatic Life and Shellfish Harvesting. This [use] class designation includes all applicable uses identified for [Use] Class I in:
 - (a)—(b) (text unchanged)
- (4) [Use] Class II-P: Tidal Fresh Water Estuary. This [use] class designation includes:
 - (a) All uses identified for [Use] Class II waters; and
 - (b) (text unchanged)
- (5) [Use] Class III: Nontidal Cold Water. This [use] class designation includes all uses identified for [Use] Class I and waters which have the potential for or are[:]
 [(a)] [S]suitable for the growth and propagation of self-sustaining trout[:] populations and other coldwater obligate species including, but not limited to the stoneflies tallaperla and sweltsa.
 [(b)] Capable of supporting self-sustaining trout populations and their associated food organisms.]
- (6) [Use] Class III-P: Nontidal Cold Water and Public Water Supply. This [use] class designation includes:

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- (a) All uses identified for [Use] Class III waters; and
- (b) (text unchanged)

(7) [Use] Class IV: Recreational Trout Waters. This [use] class designation includes all uses identified for [Use] Class I in cold or warm waters that have the potential for or are:

- (a)—(b) (text unchanged)

(8) [Use] Class IV-P: Recreational Trout Waters and Public Water Supply. This [use] class designation includes:

- (a) All uses identified for [Use] Class IV waters; and
- (b) (text unchanged)

.02-1 Support of Estuarine and Marine Aquatic Life and Shellfish Harvesting.

A. [Use] Class II includes the subcategories of designated uses described in this section.

B.—G. (text unchanged)

.03-2 Numerical Criteria for Toxic Substances in Surface Waters.

A.— F. (text unchanged)

G. Tables of Ambient Water Quality Criteria.

(1) (text unchanged)

(2) Table 2. Toxic Substances for Ambient Water Quality Criteria — Organic Compounds.

Substance	CAS#	Aquatic Life (µg/L)				Human Health for Consumption of:		
		Fresh Water		Salt Water		Drinking Water + Organism (µg/L)	Organism Only (µg/L)	Drinking Water MCL (mg/L)
		Acute	Chronic	Acute	Chronic			
1,1 Dichloroethylene (DCE)—N-Nitrosodiphenylamine (text unchanged)								
<i>Nonylphenol</i>	84852153	28	6.6	7	1.7			
Phenol	108952					10000	860000	
Tetrachloroethylene— Vinyl chloride (text unchanged)	127184					6.9	33	0.005

¹ (text unchanged)

* (text unchanged)

(3) (text unchanged)

(4) Table 4. Toxic Substances for Ambient Water Quality Criteria-Pesticides and Chlorinated Compounds.

Substance	CAS#	Aquatic Life (µg/L)				Human Health for Consumption of:		
		Fresh Water		Salt Water		Drinking Water + Organism (µg/L)	Organism Only (µg/L)	Drinking Water MCL (mg/L)
		Acute	Chronic	Acute	Chronic			
2, 3, 7, 8-TCDD (Dioxin) — Aldrin (text unchanged)								
alpha-BHC				[0.026]		[0.049]0.026	0.049	
alpha-Endosulfan—beta-Endosulfan (text unchanged)								
<i>Carbaryl</i>	63252	2.1	2.1	1.6				
Chlordane—Chlorpyrifos (text unchanged)								
<i>Diazinon</i>	333415	0.17	0.17	0.82	0.82			
Dieldrin — Pentachlorophenol (PCP)1 (text unchanged)								

¹ (text unchanged)

* (text unchanged)

H. Acute Numeric Toxic Substance Criteria for Ammonia for the Protection of Fresh Water Aquatic Life (Table 1).

(1) Presence of Salmonid Fish. In [Use] Class III, III-P, IV, and IV-P waters, the concentration of total ammonia (in milligrams of nitrogen per liter) may not exceed the acute criterion listed under “Salmonids Present” in Table 1.

(2) Absence of Salmonid Fish. In [Use] Class I and I-P waters, the concentration of total ammonia (in milligrams of nitrogen per liter) may not exceed the acute criterion listed under “Salmonids Absent” in Table 1.

(3) Table 1 (text unchanged)

¹ The acute water quality criteria for total ammonia where salmonids may be present was calculated using the following equation, which may also be used to calculate unlisted values: Acute water quality criteria for ammonia (salmonids present) = $[[0.275/(1+10^{7.204-pH})]+[39.0/(1+10^{pH-7.204})]]$

$$\frac{0.275}{1+10^{7.204-pH}} + \frac{39.0}{1+10^{pH-7.204}}$$

² The acute water quality criteria for total ammonia where salmonids are absent were calculated using the following equation, which may also be used to calculate unlisted values: Acute water quality criteria for ammonia (salmonids absent) = $[[0.411/(1+10^{7.204-pH})]+[58.4/(1+10^{pH-7.204})]]$

$$\frac{0.411}{1+10^{7.204-pH}} + \frac{58.4}{1+10^{pH-7.204}}$$

I. Chronic Numeric Toxic Substance Criteria for Ammonia, Expressed as a 30-day Average, for the Protection of Fresh Water Aquatic Life (Tables 1 and 2).

(1)—(3) (text unchanged)

(4) Table 1. (text unchanged)

¹ The freshwater chronic water quality criteria for total ammonia where fish early life stages may be present were calculated using the following equation, which may also be used to calculate unlisted values:

Freshwater chronic water quality criterion for ammonia (fish early life stages present) = $[[0.0577/(1 + 107.688 - pH)]+[2.487/(1 + 10^{pH - 7.688})] \times \text{MIN}(2.85, 1.45 \times 100.028 \times (25 - T))]$

$$\left(\frac{0.0577}{1+10^{7.688-pH}} + \frac{2.487}{1+10^{pH-7.688}} \right) \times \text{MIN}(2.85, 1.45 \times 10^{0.028(25-T)})$$

Where MIN indicates the lesser of the two values separated by a comma.

(5) Table 2. (text unchanged)

¹The freshwater chronic water quality criteria for total ammonia where fish early life stages are absent were calculated using the following equation, which may also be used to calculate unlisted values:

Freshwater chronic water quality criterion for ammonia (fish early life stages absent) = $[[0.0577/(1 + 107.688 - pH)] + [2.487/(1 + 10^{pH - 7.688})] \times 1.45 \times 100.028 \times (25 - \text{MAX}(T, 7))]$

$$\left(\frac{0.0577}{1+10^{7.688-pH}} + \frac{2.487}{1+10^{pH-7.688}} \right) \times 1.45 \times 10^{0.028(25-\text{MAX}(T, 7))}$$

Where MAX indicates the greater of the two values separated by a comma.

²At 15°C and above, the criterion for fish early life stage absent is the same as the criterion for fish early life stage present.

J.—K. (text unchanged)

.03-3 Water Quality Criteria Specific to Designated Uses.

A. Criteria for [Use] Class I Waters—Water Contact Recreation and Protection of Nontidal Warmwater Aquatic Life.

(1)—(7) (text unchanged)

(a)—(c) (text unchanged)

B. Criteria for Subcategory [Use] Class I-P Waters—Water Contact Recreation, Protection of Nontidal Warmwater Aquatic Life and Public Water Supply. The following criteria apply:

(1) The criteria for [Use] Class I waters in §A(1)—[(5)](6); and

(2) (text unchanged)

C. Criteria for [Use] Class II Waters—Support of Estuarine and Marine Aquatic Life and Shellfish Harvesting.

(1) Bacteriological Criteria. These criteria are the same as for [Use] Class I, criteria for protection of recreational use, except, in Shellfish Harvest Waters, the following criteria also apply. In Shellfish Harvest waters, there may not be any pathogenic or harmful organisms in sufficient quantities to constitute a public health hazard in the use of waters for shellfish harvesting. A public health hazard for the consumption of raw shellfish will be presumed:

(a)—(c) (text unchanged)

(2) Classification of [Use] Class II Waters for Harvesting.

(a)—(d) (text unchanged)

(3) Temperature—same as [Use] Class I waters.

(4) pH—same as [Use] Class I waters.

(5) Turbidity—same as [Use] Class I waters.

(6) Color—same as [Use] Class I waters.

(7) (text unchanged)

(8) Dissolved Oxygen Criteria for [Use] Class II Waters.

(a) This criteria is the same as for [Use] Class I waters, except for the Chesapeake Bay mainstem and associated tidal tributary subcategories.

(b)—(h) (text unchanged)

(9)—(10) (text unchanged)

(11) Compliance Schedules for Protection of Downstream Uses in Tidal Waters.

(a) (text unchanged)

(b) An upstream state issuing discharge permits to existing dischargers which contain new or revised effluent limitations based on the water quality standards contained in §C(8) and (9) of this regulation may apply the compliance schedule provisions of COMAR 26.08.04.02C. C-1. Criteria for [Use] Class II-P Waters—Support of Estuarine and Marine Aquatic Life and Shellfish Harvesting and Public Water Supplies. The following criteria apply:

C-1. Criteria for [Use] Class II-P Waters—Support of Estuarine and Marine Aquatic Life and Shellfish Harvesting and Public Water Supplies. The following criteria apply:

(1) The criteria for [Use] Class II waters in §C(1)—(8), (9)(a)—(c), (10), and (11); and

(2) (text unchanged)

D. Criteria for [Use] Class III Waters—Nontidal Cold Water.

(1) Bacteriological—same as [Use] Class I waters.

(2) (text unchanged)

(3) Temperature.

(a) (text unchanged)

(b) Ambient temperature—Same as [Use] Class I.

(c) (text unchanged)

(d) It is the policy of the State that riparian forest buffer adjacent to [Use] Class III waters shall be retained whenever possible to maintain the temperatures essential to meeting this criterion.

(4) pH—same as [Use] Class I waters.

(5) Turbidity—same as [Use] Class I waters.

(6) Color—Same as [Use] Class I-P waters.

(7) Total Residual Chlorine (TRC). Except as provided in COMAR 26.08.03.06, the Department may not issue a permit

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allowing the use of chlorine or chlorine-containing compounds in the treatment of wastewaters discharging to [Use] Class III and [Use] Class III-P waters.

(8) (text unchanged)

E. Criteria for [Use] Class III-P Waters—Nontidal Cold Water and Public Water Supplies.

(1) Exception. Authorized operation of the Little Seneca Creek Dam means that all operational activities permitted are met under the conditions of a dam operating permit issued by the Department of Natural Resources under Natural Resources Article, §§8-801—8-814, Annotated Code of Maryland, and COMAR 08.05.03. Injury resulting from the authorized operation of Little Seneca Creek Dam to the [Use] Class III natural trout fishery recognized in the stream use designation assigned to Little Seneca Creek in Regulation .08 of this chapter is not considered a violation of this chapter.

(2) The following criteria apply:

- (a) The criteria for [Use] Class III waters in §D(1)—(7); and
- (b) (text unchanged)

F. Criteria for [Use] Class IV Waters—Recreational Trout Waters.

- (1) Bacteriological—same as [Use] Class I waters.
- (2) Dissolved oxygen—same as [Use] Class I waters.
- (3) Temperature.

- (a) (text unchanged)
- (b) Ambient temperature—Same as [Use] Class I.

(c) (text unchanged)

(d) It is the policy of the State that riparian forest buffer adjacent to [Use] Class IV waters shall be retained whenever possible to maintain the temperatures essential to meeting this criterion.

- (4) pH—same as [Use] Class I waters.
- (5) Turbidity—same as [Use] Class I waters.
- (6) Color—same as for [Use] Class I waters.
- (7) (text unchanged)

G. Criteria for [Use] Class IV-P Waters—Recreational Trout Waters and Public Water Supplies. The following criteria apply:

- (1) The criteria for [Use] Class IV waters in §F(1)—(6); and
- (2) (text unchanged)

H. Criteria for Public Water Supply Reservoirs. The following criteria apply in freshwater reservoirs designated [Use] Class I-P, III-P or IV-P:

- (1)—(2) (text unchanged)

.04 Anti-Degradation Policy.

A. Waters of this State shall be protected and maintained for existing uses and the basic uses of water contact recreation, fishing, protection of aquatic life and wildlife, and agricultural and industrial water supply as identified in [Use] Class I.

B.—F. (text unchanged)

.04-1 Antidegradation Policy Implementation Procedures.

A.—N. (text unchanged)

O. List of Tier II Waters.

Date	Stream Name	County	12-Digit Watershed	From Lat	From Long	To Lat	To Long	Baseline: Fish IBI	Benthic IBI
Black Sulphur Run 1—Beetree Run 1 (text unchanged)									
2012	<i>Bens Run 1</i>	<i>Baltimore</i>	<i>021309061018</i>	<i>39.31682</i>	<i>-76.79279</i>	<i>39.31402</i>	<i>-76.79400</i>	<i>4.44</i>	<i>4.00</i>
Blackrock Run 1— Beaver Run 1 (text unchanged)									
2012	<i>Beaver Run 2</i>	<i>Carroll</i>	<i>021309071057</i>	<i>39.51555</i>	<i>-76.93302</i>	<i>39.50302</i>	<i>-76.91245</i>	<i>4.50</i>	<i>4.00</i>
Gillis Falls 1—Reeder Run 2 (text unchanged)									
2012	<i>Swanson Creek 4</i>	<i>Charles</i>	<i>021311010892</i>	<i>38.56522</i>	<i>-76.76043</i>	<i>38.56323</i>	<i>-76.75701</i>	<i>4.00</i>	<i>4.60</i>
Swanson Creek UT 1—Zekiah Swamp Run 6 (text unchanged)									
2012	<i>Zekiah Swamp Run 7</i>	<i>Charles</i>	<i>021401080768</i>	<i>38.61910</i>	<i>-76.82968</i>	<i>38.61393</i>	<i>-76.83266</i>	<i>4.17</i>	<i>4.86</i>
Zekiah Swamp Run UT 1—Mattawoman Creek 1 (text unchanged)									
2012	<i>Mattawoman Creek 2</i>	<i>Charles, Prince George's</i>	<i>021401110786</i>	<i>38.65234</i>	<i>-76.90833</i>	<i>38.65252</i>	<i>-76.91689</i>	<i>4.00</i>	<i>4.14</i>
Swanson Creek 1— Buffalo Run 2 (text unchanged)									
2012	<i>Buffalo Run 3</i>	<i>Garrett</i>	<i>050202010019</i>	<i>39.68781</i>	<i>-79.41738</i>	<i>39.68685</i>	<i>-79.41002</i>	<i>4.00</i>	<i>4.25</i>
Casselman River —IBynum Run UT 1 (text unchanged)									
2012	<i>Cattail Branch UT 1</i>	<i>Harford</i>	<i>021202020328</i>	<i>39.62017</i>	<i>-76.49403</i>	<i>39.63521</i>	<i>-76.49927</i>	<i>5.00</i>	<i>4.33</i>
Deer Creek 2— Chaptico Run 1 (text unchanged)									
2012	<i>Fisherman Creek 1</i>	<i>Saint Mary's</i>	<i>021401030712</i>	<i>38.21065</i>	<i>-76.40307</i>	<i>38.19762</i>	<i>-76.41925</i>	<i>4.67</i>	<i>4.00</i>
Forrest Hall Branch 1— Nassawango Creek 3 (text unchanged)									

P. (text unchanged)

.07 Surface Water Use Designation.

A—D. (text unchanged)

E. Stream segments, listed below in tabular form, shall be given the additional protection required for:

- (1) Shellfish harvesting waters ([Use] *Class II* waters);
- (2) Shallow water submerged aquatic vegetation ([Use] *Class II* waters);
- (3) Migratory fish spawning and nursery ([Use] *Class II* waters);
- (4) Natural trout waters ([Use] *Class III* and [Use] *Class III-P* waters);
- (5) Recreational trout waters ([Use] *Class IV* and [Use] *Class IV-P* waters);
- (6) Public water supply ([Use] *Class I-P, II-P, III-P, and IV-P* waters).

[F. For each sub-basin in Regulation .08, information is arranged under the following headings:

- (1) Use—Refers to water classification;
- (2) Waters—Exact name of stream segment or segments;
- (3) For geographic reference:

(a) MCGS—Most downstream point or line for each stream segment using the Maryland Coordinate Grid System (East/North);

(b) Latitude/Longitude—Point may reference a limit (NAD 27 or NAD 83) as a point identifier for a tidal (Use II) segment; or

may indicate most downstream point or line for a stream segment as in §F(3)(a) of this regulation;

(4) Limits—Written description of boundary of stream segment or tidal segment established by MCGS or MDE;

(5) Any stream segment not listed in Regulation .08 is Use I water.

G. Stream segment classifications for each sub-basin are in Regulation .08.]

.08 Stream Segment Designations.

A. General.

(1) [If using the Maryland Coordinate Grid System (MCGS) (Easting/Northing), the limits indicate the most downstream point or line for the segment. The North American Datum (NAD) for the MCGS is NAD27.] *All geographic coordinates provided within this regulation are expressed in decimal degrees latitude and longitude using the North American Datum of 1983. For most Class I, I-P, III, III-P, IV, or IV-P waters, the limits indicate the most downstream point or line for the segment. In some cases, an upstream point and a downstream point are provided to describe those uses that may apply only to a limited segment of a water body. Any waterbody not listed is a Class I water.*

(2)—(5) (text unchanged)

[B.]—[U.] (proposed for repeal)

B. Sub-Basin 02-12-02: Lower Susquehanna River Area.

<i>Designated Use Class and Waterbody</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Limits</i>
<i>(1) Class I-P: Susquehanna River and all tributaries except those designated below as Class III-P or Class IV-P</i>	39.664764	-76.171530	<i>Upstream of Conowingo Dam to MD/PA line</i>
	39.656485	-76.176049	
<i>(2) Class II:</i>			
<i>(a) Northern Chesapeake Bay (CBITF2-Class II-P): Susquehanna River mainstem from downstream side of Conowingo Dam on eastern and western shores to confluence with Chesapeake Bay.</i>	39.475132	-76.097580	<i>(1) West side of Spesutie Narrows bridge</i>
<i>Designated Uses Present in Segment:</i>	39.476006	-76.094421	<i>(2) East side of Spesutie Narrows bridge</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.475323	-76.072807	<i>(3) Locust Pt. on Spesutie Island</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	39.449471	-76.010475	<i>(4) Turkey Pt., 0.1 miles WSW of lighthouse</i>
<i>Application Depth: 2.0 meters, NGZ present</i>	39.529629	-75.979271	<i>(5) Red Pt.</i>
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>	39.540794	-76.002899	<i>(6) East side of Carpenter Pt.</i>
	39.608994	-76.121094	<i>(7) Port Deposit</i>
	39.608959	-76.132683	<i>(8) East side Spencer Island</i>
	39.609001	-76.135147	<i>(9) West side Spencer Island</i>
	39.608971	-76.143379	<i>(10) Just south of Rock Run on western shore</i>
<i>(b) Northern Chesapeake Bay (CBITF1): Upper Bay mainstem to confluence with CBITF2 (Susquehanna River), Northeast River (NORTF), Elk River (ELKOH), and CB2OH.</i>	39.420143	-76.123344	<i>(1) 1,000 feet SW of Cherry Tree Pt., APG</i>
<i>Designated Uses Present in Segment:</i>	39.401688	-76.035194	<i>(2) North of Chesapeake Haven, Grove Neck</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.429420	-75.997681	<i>(3) 1,300 feet SW of Wroth Pt.</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	39.449200	-76.007698	<i>(4) Turkey Pt.</i>
<i>Application Depth: 1 meters, NGZ present</i>	39.449471	-76.010475	<i>(5) Turkey Pt., 0.1 miles WSW of lighthouse</i>

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<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>	39.475323	-76.072807	(6) <i>Locust Pt. on Spesutie Island</i>
	39.476006	-76.094421	(7) <i>East side of Spesutie Narrows bridge</i>
	39.475132	-76.097580	(8) <i>West side of Spesutie Narrows bridge</i>
<i>(3) Class III:</i>			
<i>(a) Rock Run and all tributaries (Cecil County)</i>	39.613544	-76.126972	<i>Upstream of mouth</i>
<i>(4) Class III-P:</i>			
<i>(a) Deer Creek and all tributaries</i>	39.674848	-76.452907	<i>Upstream of Eden Mill Dam</i>
<i>(b) Basin Run and all tributaries</i>	39.661881	-76.147460	
<i>(c) Kellogg Branch and all tributaries</i>	39.632161	-76.410853	
<i>(d) North Stirrup Run and all tributaries</i>	39.614847	-76.401356	
<i>(e) South Stirrup Run and all tributaries</i>	39.614807	-76.401332	
<i>(f) Deep Run and all tributaries</i>	39.691746	-76.259980	
<i>(g) Gladden Branch and all tributaries</i>	39.638320	-76.411963	
<i>(h) Rock Hollow Branch and all tributaries</i>	39.652505	-76.437817	
<i>(i) Love Run and all tributaries</i>	39.690233	-76.126986	
<i>(j) Stone Run and all tributaries</i>	39.701802	-76.110017	
<i>(k) Wet Stone Branch and all tributaries</i>	39.647146	-76.431712	
<i>(l) Unnamed tributary to Deer Creek and all tributaries to this unnamed tributary</i>	39.637940	-76.424561	<i>Near Rock Ridge Road</i>
<i>(m) Little Deer Creek and all tributaries</i>	39.660788	-76.439732	
<i>(n) Elbow Branch and all tributaries</i>	39.618468	-76.169240	
<i>(o) Unnamed tributary to Broad Creek and all tributaries</i>	39.689695	-76.237823	<i>Upstream of confluence with another unnamed tributary</i>
<i>(p) Happy Valley Branch and all tributaries</i>	39.602124	-76.094247	<i>Upstream of Route 222 Bainbridge Road</i>
<i>(q) Unnamed tributary to the Susquehanna River and all tributaries</i>	39.579619	-76.087854	
<i>(5) Class IV: None.</i>			
<i>(6) Class IV-P:</i>			
<i>(a) Deer Creek and all tributaries</i>	39.613418	-76.148934	<i>From mouth to Eden Mill Dam</i>
<i>(b) Octoraro Creek</i>	39.656256	-76.158615	<i>Mainstem only</i>

C. Sub-Basin 02-13-01: Coastal Area.

<i>Designated Use Class and Waterbody</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Limits</i>
<i>(1) Class I-P: None.</i>			
<i>(2) Class II:</i>			
<i>(a) All tidal waters within this sub-basin.</i>			
<i>(b) The Shellfish Harvest designated use applies to all portions of this sub-basin except:</i>			
<i>(i) Bishopville Prong and tributaries</i>	38.414613	-75.178402	<i>Upstream of confluence with St. Martins River</i>
	38.412382	-75.179411	
<i>(ii) Shingle Landing Prong and its tributaries</i>	38.408423	-75.173525	<i>Upstream of confluence with St. Martins River at Piney Island</i>
	38.405700	-75.175124	
<i>(iii) Herring Creek and its tributaries</i>	38.339036	-75.129811	<i>Upstream of Rt. 50</i>
<i>(iv) Ocean City Harbor</i>	38.327723	-75.099180	<i>Upstream of entrance to West Ocean City Harbor</i>
	38.326950	-75.100301	
<i>(3) Class III: None.</i>			
<i>(4) Class III-P: None.</i>			
<i>(5) Class IV: None.</i>			
<i>(6) Class IV-P: None.</i>			

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D. Sub-Basin 02-13-02: Pocomoke River Area.

Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Class I-P: None.			
(2) Class II:			
(a) Upper Pocomoke River Tidal Fresh (POCTF):	38.062958	-75.617470	(1) West of Unionville, Somerset Co. side
Designated Uses Present in Segment:	38.062840	-75.616302	(2) West of Unionville, Worcester Co. side
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.183201	-75.391991	(3) Snow Hill, 1,900 feet upstream of Rt. 12
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive			
Application Depth: .05 meters, NGZ Present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
(b) Middle Pocomoke River Oligohaline (POCOH):	37.966858	-75.674603	(1) On mainland 4,000 feet NW of Fair Island
Designated Uses Present in Segment:	37.951850	-75.676225	(2) MD/VA State Line-Pocomoke Sound
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	37.949924	-75.667353	(3) MD/VA State Line-Pocomoke Sound
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	37.945125	-75.656153	(4) MD/VA State Line south of Williams Pt.
Application Depth: 0.5 meters, NGZ Present	37.946728	-75.648248	(5) MD/VA State Line-Pocomoke Sound
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive	37.966423	-75.648553	(6) MD/VA State Line-700' upstream of mouth
	37.994347	-75.624314	(7) Intersection of Somerset Co. and Worcester Co., MD, and Accomack Co., VA
	37.994449	-75.623122	(8) Worcester Co., MD-Accomack Co., VA boundary
	38.062840	-75.616302	(9) West of Unionville, Worcester Co. side
	38.062958	-75.617470	(10) West of Unionville, Somerset Co. side
(c) Lower Pocomoke River Mesohaline (POCMH):	37.924927	-75.848007	(1) Eastward Pt., on eastern side of Broad Creek
Designated Uses Present in Segment:	37.911789	-75.837732	(2) MD/VA State Line, 1.15 miles south of Cow Gap Island
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	37.912169	-75.801148	(3) MD/VA State Line-Pocomoke Sound
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	37.941226	-75.761753	(4) MD/VA State Line-Pocomoke Sound
Application Depth: 1.0 meters, NGZ Present	37.954523	-75.704753	(5) MD/VA State Line-Pocomoke Sound
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive	37.955237	-75.691653	(6) MD/VA State Line-Pocomoke Sound
Shellfish Harvest Use: See §D(2)(j) of this regulation	37.951850	-75.676225	(7) MD/VA State Line-Pocomoke Sound
	37.966858	-75.674603	(8) On mainland 4,000 feet NW of Fair Island
(d) Manokin River Mesohaline (MANMH1):	38.131565	-75.948860	(1) Wenona on Deal Island, north of channel
Designated Uses Present in Segment:	38.125946	-75.941216	(2) Eastern point on north side of Little Deal Island
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.122917	-75.937126	(3) Eastern side of Little Deal Island
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.078552	-75.877586	(4) Hazard Island, 1,200 feet NE of tip of Hazard Pt.
Application Depth: 2.0 meters	38.075663	-75.871155	(5) Gut between Hazard Cove and Mine Creek, N side
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive	38.075314	-75.870750	(6) Gut between Hazard Cove and Mine Creek, S side
Shellfish Harvest: See §D(2)(j) of this regulation	38.069160	-75.855591	(7) West part Hazard Island at Shirtpond Cove
	38.069599	-75.853897	(8) East part Hazard Island at Shirtpond Cove
	38.073784	-75.848656	(9) W side of gut heading N from Flatland Cove
	38.074146	-75.848228	(10) E side of gut heading N from Flatland Cove
	38.133823	-75.827339	(11) Cormal Pt.

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	38.142979	-75.821144	(12) Champ Pt.
	38.160442	-75.929558	(13) Upper Thorofare at the mouth of Moores Gut
	38.160080	-75.932388	(14) Upper Thorofare, Deal Island side
(e) Manokin River Mesohaline (MANMH2):	38.142979	-75.821144	(1) Champ Pt.
Designated Uses Present in Segment:	38.133823	-75.827339	(2) Cormal Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.172668	-75.732979	(3) Manokin River confluence with Hall Branch
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive			
Application Depth: 0.5 meters			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §D(2)(j) of this regulation			
(f) Big Annemessex River Mesohaline (BIGMH1):	38.058910	-75.868744	(1) South shore of Pat Island
Designated Uses Present in Segment:	38.036049	-75.868935	(2) 700 feet East of Flatcap Pt., Janes Island
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.020973	-75.856819	(3) North side of gut SW of Acre Creek
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.020733	-75.856712	(4) South side of gut SW of Acre Creek
Application Depth: 2.0 meters	38.016033	-75.846458	(5) West side of Daugherty Creek Canal
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive	38.015781	-75.845947	(6) East side of Daugherty Creek Canal
Shellfish Harvest: See §D(2)(j) of this regulation	38.078850	-75.782249	(7) Persimmon Pt.
	38.074585	-75.787170	(8) Charles Pt.
	38.074146	-75.848228	(9) East side of gut heading N from Flatland Cove
	38.073784	-75.848656	(10) W side of gut heading N from Flatland Cove
	38.069599	-75.853897	(11) East part Hazard Island at Shirtpond Cove
	38.069160	-75.855591	(12) West part Hazard Island at Shirtpond Cove
	38.065315	-75.866608	(13) Hazard Island, across gut from Pat Island
	38.064907	-75.866974	(14) NE Pat Island, across gut from Hazard Island
(g) Big Annemessex River Mesohaline (BIGMH2):	38.074585	-75.787170	(1) Charles Pt.
Designated Uses Present in Segment:	38.078850	-75.782249	(2) Persimmon Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.087246	-75.733032	(3) 1,000 feet below confluence with Annemessex Creek
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive			
Application Depth: 0.5 meters			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §D(2)(j) of this regulation			
(h) Tangier Sound Mesohaline (TANMH1):	37.941404	-76.083908	(1) MD/VA boundary, 2.25 miles west of Smith Gut Pt.
Designated Uses Present in Segment:	37.953599	-76.052055	(2) MD/VA boundary, 1,450' west of Hog Neck
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	37.953392	-75.993331	(3) MD/VA boundary, 400' east of Horse Hammock
Application Depth: 2.0 meters, NGZ Present	37.946050	-75.943628	(4) MD/VA boundary, between Smith and Cedar Is
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive	37.906718	-75.952630	(5) MD/VA boundary, 2.75 miles west of Clump Island
Shellfish Harvest: See §D(2)(j) of this regulation	37.911304	-75.883558	(6) MD/VA boundary, 300' north of Green Harbor I.
	37.911789	-75.837732	(7) MD/VA boundary, 1.15miles south of Cow Gap Island
	37.924927	-75.848007	(8) Eastward Pt., on eastern side of Broad Creek
	38.015781	-75.845947	(9) East side of Daugherty Creek Canal

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	38.016033	-75.846458	(10) West side of Daugherty Creek Canal
	38.020733	-75.856712	(11) South side of gut SW of Acre Creek
	38.020973	-75.856819	(12) North side of gut SW of Acre Creek
	38.036049	-75.868935	(13) 700 feet east of Flatcap Pt., Janes Island
	38.058910	-75.868744	(14) South shore of Pat Island
	38.064907	-75.866974	(15) NE Pat Island, across gut from Hazard Island
	38.065315	-75.866608	(16) Hazard Island, across gut from Pat Island
	38.075314	-75.870750	(17) Gut between Hazard Cove and Mine Cr., south side
	38.075665	-75.871155	(18) Gut between Hazard Cove and Mine Cr., north side
	38.078552	-75.877586	(19) Hazard Island, 1,200 feet NE of tip of Hazard Pt.
	38.122917	-75.937126	(20) Eastern side of Little Deal Island
	38.125946	-75.941216	(21) Eastern point on north side of Little Deal Island
	38.131565	-75.948860	(22) Wenona on Deal Island, north of channel
	38.136566	-75.959633	(23) Twiggs Pt.
	38.232738	-75.972618	(24) Southern-most point of Clay Island
	38.216042	-76.032051	(25) Bishops Head Pt.
	38.215809	-76.032349	(26) Bishops Head Pt.
	38.231964	-76.134285	(27) Lower Hooper I. between Nancys and Creek Pts.
	38.231445	-76.135773	(28) Lower Hooper I. between Nancys and Creek Pts.
(i) Tangier Sound Mesohaline (TANMH2):	38.232738	-75.972618	(1) Southern-most point of Clay Island
Designated Uses Present in Segment:	38.136566	-75.959633	(2) Twiggs Pt.
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.160080	-75.932388	(3) Upper Thorofare, Deal Island side
Application Depth: 0.5 meters, NGZ Present	38.160442	-75.929558	(4) Upper Thorofare at the mouth of Moores Gut
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive	38.202679	-75.890579	(5) 1,100 feet west of the tip of Long Pt.
Shellfish Harvest: See §D(2)(j) of this regulation	38.227970	-75.893486	(6) Nanticoke Pt. (Stump Point Marsh)
	38.243217	-75.906105	(7) West of Waterview, north of Jones Creek
	38.244740	-75.941284	(8) Sandy Island, NE of Frog Pt.
(j) Shellfish Harvest Subcategory. All estuarine portions of tributaries except:			
(i) Manokin River and tributaries	38.170831	-75.729079	Upstream of confluence of tributaries Manokin River and Kings Creek
(ii) Big Annemessex River and tributaries	38.087987	-75.746775	Upstream of River Road
(iii) Jenkins Creek	37.959260	-75.864354	Upstream of mouth
	37.953123	-75.863595	
(iv) Fair Island Canal	37.961004	-75.662631	
	37.963180	-75.655446	
(v) Pocomoke River	37.994532	-75.624223	Upstream of MD/VA line
(3) Class III: None.			
(4) Class III-P: None.			
(5) Class IV: None.			
(6) Class IV-P: None.			

E. Sub-Basin 02-13-03: Nanticoke River Area.

Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Class I-P: None.			
(2) Class II:			
(a) Upper Nanticoke River Tidal Fresh (NANTF): from Maryland-Delaware state line to confluence with Plum Creek:	38.538052	-75.745972	(1) 600 feet upstream of Molly Horn Branch
Designated Uses Present in Segment:	38.536259	-75.744843	(2) 375 feet upstream of Plum Creek

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Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.642723	-75.606522	(3) Seaford, DE just above Middleford Rd.
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive			
Application Depth: 0.5 meters, NGZ Present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §E(2)(f) of this regulation			
(b) Middle Nanticoke River Oligohaline (NANOH):	38.387169	-75.859673	(1) 900 feet downstream of Wapremander Creek
Designated Uses Present in Segment:	38.381268	-75.839233	(2) 600 feet upstream of Quantico Creek
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.536259	-75.744843	(3) 375 feet upstream of Plum Creek
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.538052	-75.745972	(4) 600 feet upstream of Molly Horn Branch
Application Depth: 0.5 meters	38.553452	-75.774071	(5) Marshyhope Cr., 500 feet downstream of Big Indian Cr.
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §E(2)(f) of this regulation			
(c) Lower Nanticoke River Mesohaline (NANMH):	38.24474	-75.941284	(1) Sandy Island, NE of Frog Pt.
Designated Uses Present in Segment:	38.243217	-75.906105	(2) West of Waterview, North of Jones Creek
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.381268	-75.839233	(3) 600 feet upstream of Quantico Creek
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.387169	-75.859673	(4) 900 feet downstream of Wapremander Creek
Application Depth: 0.5 meters			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §E(2)(f) of this regulation			
(d) Wicomico River Mesohaline (WICMH):	38.22797	-75.893486	(1) Nanticoke Pt. (Stump Point Marsh)
Designated Uses Present in Segment:	38.202679	-75.890579	(2) 1,100 feet West of the tip of Long Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.361588	-75.583061	(3) Beaverdam Cr., 3,000 feet upstream of Rt. 12
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive			
Application Depth: 0.5 meters, NGZ present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §E(2)(f) of this regulation			
(e) Fishing Bay Mesohaline (FSBMH):	38.216042	-76.032051	(1) Bishops Head Pt.
Designated Uses Present in Segment:	38.232738	-75.972618	(2) Southern-most point of Clay Island
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.404148	-76.002716	(3) Transquaking River west of Thorofare Marsh
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.404133	-76.029968	(4) Backgarden Pond, SE shore
Application Depth: 0.5 meters			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §E(2)(f) of this regulation			
(f) Shellfish Harvest Subcategory. All estuarine portions of tributaries except:			
(i) Blackwater River and tributaries	38.356427	-76.012288	Upstream from mouth
	38.355141	-76.008626	
(ii) Transquaking River and tributaries	38.368143	-76.004863	Upstream from mouth

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	38.370119	-75.994901	
(iii) Nanticoke River and tributaries	38.353333	-75.855293	Upstream of line from Runaway Pt. to Long Pt.
	38.359609	-75.863337	
(iv) Wicomico River and tributaries	38.267422	-75.788291	Upstream of ferry crossing at White Haven
(v) Monie Creek	38.230120	-75.819620	Upstream from mouth
	38.229650	-75.823509	
(3) Class III: None.			
(4) Class III-P: None.			
(5) Class IV: None.			
(6) Class IV-P: None.			

F. Sub-Basin 02-13-04: Choptank River Area.

Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Class I-P: None.			
(2) Class II:			
(a) Upper Choptank River Tidal Fresh (CHOTF):	38.810635	-75.902985	(1) 1,850 feet downstream from mouth of Tuckahoe Cr.
Designated Uses Present in Segment:	38.808270	-75.900391	(2) 1,000 feet downstream of Gilpin Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.980827	-75.792931	(3) 3,500 feet upstream of Rt. 313 bridge
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive			
Application Depth: 0.5 meters, NGZ present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §F(2)(g) of this regulation			
(b) Middle Choptank River Oligohaline (CHOOH):	38.653545	-75.959129	(1) 1.5 miles downstream of Bow Knee Pt.
Designated Uses Present in Segment:	38.647415	-75.952339	(2) 1.05 miles upstream of Cabin Creek
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.808270	-75.900391	(3) 1,000 feet downstream of Gilpin Pt.
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.810635	-75.902985	(4) 1850 feet downstream from mouth of Tuckahoe Cr.
Application Depth: 0.5 meters, NGZ present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §F(2)(g) of this regulation			
(c) Lower Choptank River Mesohaline (CHOMH2):	38.649193	-76.153114	(1) 0.9 miles N. of Chlora Pt.
Designated Uses Present in Segment:	38.628571	-76.171051	(2) 400 feet west of Castle Haven Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.647415	-75.952339	(3) 1.05 miles upstream of Cabin Creek
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.653545	-75.959129	(4) 1.5 miles downstream of Bow Knee Pt.
Application Depth: 1.0 meters			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §F(2)(g) of this regulation			
(d) Mouth of the Choptank River Mesohaline (CHOMH1):	38.672421	-76.340698	(1) 720 feet along shore NNW of Blackwalnut Pt.
Designated Uses Present in Segment:	38.573353	-76.306503	(2) Hills Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.571705	-76.336029	(3) 1.6 miles almost due west of Hills Pt.
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.628571	-76.171051	(4) 400 feet west of Castle Haven Pt.

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<i>Application Depth: 2.0 meters, NGZ present</i>	38.649193	-76.153114	(5) 0.9 miles N. of Chlora Pt.
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>	38.719967	-76.333054	(6) North side Knapps Narrows, 150 feet west of Rt. 33
<i>Shellfish Harvest: See §F(2)(g) of this regulation</i>	38.719185	-76.334084	(7) South side Knapps Narrows, 275 feet west of Rt. 33
<i>(e) Little Choptank River Mesohaline (LCHMH):</i>	38.571705	-76.336029	(1) 1.6 miles almost due west of Hills Pt.
<i>Designated Uses Present in Segment:</i>	38.231964	-76.306503	(2) Hills Pt.
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	38.527523	-76.333801	(3) East edge of tidal flat N of existing James Island
<i>Application Depth: 2.0 meters</i>	38.526997	-76.333771	(4) 190 feet South of LCHMH Point #3
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>	38.487057	-76.331779	(5) West side of Oyster Cove, Taylors Island
<i>Shellfish Harvest: See §F(2)(g) of this regulation</i>	38.421944	-76.288742	(6) Southern tip of Taylors Island
	38.421051	-76.288589	(7) Meekins Neck, across channel from Point #6
	38.398201	-76.237053	(8) W shore Great Marsh Cr. 1,800 feet above Rt. 335
	38.398605	-76.237030	(9) E shore Great Marsh Cr. 1,800 feet above Rt. 335
<i>(f) Honga River Mesohaline (HNGMH):</i>	38.231964	-76.134285	(1) Lower Hooper I. between Nancys and Creek Pts.
<i>Designated Uses Present in Segment:</i>	38.215809	-76.032349	(2) Bishops Head Pt.
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	38.398605	-76.237030	(3) Great Marsh Creek, north side, 1,900 feet above 335
<i>Application Depth: 2.0 meters</i>	38.398201	-76.237053	(4) Great Marsh Creek, south side, 1,900 feet above 335
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>	38.349953	-76.227982	(5) Drawbridge, southern Meekins Neck
<i>Shellfish Harvest: See §F(2)(g) of this regulation</i>	38.348228	-76.227264	(6) Drawbridge, northern Upper Hooper Island
	38.298965	-76.206718	(7) Ferry Pt.
	38.295982	-76.204597	(8) NW tip of Middle Hooper I. across from Ferry Pt.
	38.248642	-76.154419	(9) Middle Hooper Island, NW end of The Thorofare
	38.248581	-76.153191	(10) Lower Hooper Island, NE end of The Thorofare
<i>(g) Shellfish Harvest Subcategory. All estuarine portions of tributaries except:</i>			
<i>(i) Choptank River and tributaries</i>	38.673807	-75.952263	<i>Upstream of line from Bow Knee Pt. to Wright Wharf</i>
	38.670579	-75.945795	
<i>(ii) Tred Avon River and tributaries</i>	38.767879	-76.095174	<i>Upstream of Easton Pt.</i>
<i>(3) Class III: None.</i>			
<i>(4) Class III-P: None.</i>			
<i>(5) Class IV: None.</i>			
<i>(6) Class IV-P: None.</i>			

G. Sub-Basin 02-13-05: Chester River Area.

<i>Designated Use Class and Waterbody</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Limits</i>
<i>(1) Class I-P: None.</i>			
<i>(2) Class II:</i>			
<i>(a) Upper Chester River Tidal Fresh (CHSTF):</i>	39.246002	-75.986618	<i>(1) Travilla Wharf</i>
<i>Designated Uses Present in Segment:</i>	39.245350	-75.985878	<i>(2) Marshy point across from Travilla Wharf</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.254440	-75.839638	<i>(3) Andover Branch 900 feet above Rt. 313</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>			
<i>Application Depth: 0.5 meters</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Shellfish Harvest: See §G(2)(e) of this regulation</i>			

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(b) Middle Chester River Oligohaline (CHSOH):	39.147564	-76.086426	(1) 1,100 feet below Browns Creek
Designated Uses Present in Segment:	39.146572	-76.075684	(2) Northwest Pt., west of Riverview
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	39.245350	-75.985878	(3) Marshy point across from Travilla Wharf
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	39.246002	-75.986618	(4) Travilla Wharf
Application Depth: 0.5 meters			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §G(2)(e) of this regulation			
(c) Lower Chester River Mesohaline (CHSMH):	39.029720	-76.242516	(1) Wickes Beach, Eastern Neck Island
Designated Uses Present in Segment:	39.016422	-76.296959	(2) Kent Island, 1,600 feet N of Grollman Rd.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.970539	-76.248413	(3) Rt. 50, west side of Kent Narrows
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.970455	-76.246330	(4) Rt. 50, east side of Kent Narrows
Application Depth: 1.0 meters	39.146572	-76.075684	(5) Northwest Pt., west of Riverview
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive	39.147564	-76.086426	(6) 1,100 feet below Browns Creek
Seasonal Deep Water Fish and Shellfish Use: Upper pycnocline to lower pycnocline from June 1 to September 30, inclusive	39.056882	-76.220903	(7) South end of Eastern Neck, east of Route 445 Bridge
Seasonal Deep Channel Refuge Use: Lower pycnocline boundary to bottom from June 1 to September 30, inclusive	39.054563	-76.220229	(8) Northern tip of Eastern Neck Island, east of Route 445 Bridge
Shellfish Harvest: See §G(2)(e) of this regulation			
(d) Eastern Bay Mesohaline (EASMH):	38.836365	-76.369392	(1) Kent Pt.
Designated Uses Present in Segment:	38.752529	-76.340332	(2) 1,500 feet NE of Green Marsh Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.970455	-76.246330	(3) Rt. 50, East side of Kent Narrows
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.970539	-76.248413	(4) Rt. 50, West side of Kent Narrows
Application Depth: 2.0 meters, NGZ present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Seasonal Deep Water Fish and Shellfish Use: Upper pycnocline to lower pycnocline from June 1 to September 30, inclusive			
Seasonal Deep Channel Refuge Use: Lower pycnocline boundary to bottom from June 1 to September 30, inclusive			
Shellfish Harvest: See §G(2)(e) of this regulation			
(e) Shellfish Harvest Subcategory. All estuarine portions of tributaries except:			
(i) Chester River and tributaries	39.207513	-76.059490	Upstream of Rt. 213
(ii) Corsica River	39.061396	-76.081813	Upstream of Earl Cove
	39.060344	-76.084071	
(iii) Piney Creek	38.972919	-76.258409	Upstream of Rt. 50
(iv) Winchester Creek	38.972570	-76.201708	Upstream of mouth
	38.973089	-76.203726	
(v) St. Michaels Harbor	38.789955	-76.217917	
	38.786738	-76.216319	
(3) Class III: None.			
(4) Class III-P: None.			
(5) Class IV: None.			
(6) Class IV-P: None.			

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H. Sub-Basin 02-13-06: Elk River Area.

<i>Designated Use Class and Waterbody</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Limits</i>
<i>(1) Class I-P:</i>			
<i>(a) Big Elk Creek and all tributaries</i>	39.605547	-75.831007	<i>Upstream of MD Route 213</i>
<i>(b) Northeast Creek and all tributaries</i>	39.594562	-75.947231	<i>Upstream of confluence with Stoney Run</i>
<i>(c) Mill Creek and all tributaries</i>	39.575652	-76.056760	<i>Upstream of U.S. Route 40</i>
<i>(2) Class II:</i>			
<i>(a) Northeast River Tidal Fresh (NORTF):</i>	39.540794	-76.002899	<i>(1) East side of Carpenter Pt.</i>
<i>Designated Uses Present in Segment:</i>	39.529629	-75.979271	<i>(2) Red Pt.</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.608879	-75.937988	<i>(3) 750 feet above RR bridge, 1,500 feet below Rt. 40</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>			
<i>Application Depth: 0.5 meters, NGZ present</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Shellfish Harvest: See §H(2)(h) of this regulation</i>			
<i>(b) Chesapeake & Delaware (C&D) Canal Oligohaline (C&DOH):</i>	39.525536	-75.874619	<i>(1) East side of Welch Pt.</i>
<i>Designated Uses Present in Segment:</i>	39.523182	-75.871521	<i>(2) West of where the road north from Randalia ends</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.534616	-75.779424	<i>(3) MD/DE State Line-southern shore</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	39.536623	-75.779582	<i>(4) MD/DE State Line-northern shore</i>
<i>Application Depth: 0.5 meters</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Shellfish Harvest: See §H(2)(h) of this regulation</i>			
<i>(c) Bohemia River Oligohaline (BOHOH):</i>	39.486473	-75.923767	<i>(1) Town Pt.</i>
<i>Designated Uses Present in Segment:</i>	39.474773	-75.940498	<i>(2) East of Ford Landing on Veazey Neck</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.461319	-75.783554	<i>(3) 600 feet below where Sandy Branch enters</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>			
<i>Application Depth: 0.5 meters</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Shellfish Harvest: See §H(2)(h) of this regulation</i>			
<i>(d) Elk River Oligohaline (ELKOH1):</i>	39.449200	-76.007698	<i>(1) Turkey Pt.</i>
<i>Designated Uses Present in Segment:</i>	39.429420	-75.997681	<i>(2) 1,300 feet SW of Wroth Pt.</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.474773	-75.940498	<i>(3) East of Ford Landing on Veazey Neck</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	39.486473	-75.923767	<i>(4) Town Pt.</i>
<i>Application Depth: 2.0 meters</i>	39.523182	-75.871521	<i>(5) West of where the road north from Randalia ends</i>
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>	39.525536	-75.874619	<i>(6) East side of Welch Pt.</i>
<i>Shellfish Harvest: See §H(2)(h) of this regulation</i>	39.544392	-75.855301	<i>(7) Paddy Biddle Cove</i>
	39.545540	-75.876144	<i>(8) 0.6 miles south of Elkmore</i>
<i>(e) Elk River Oligohaline (ELKOH2):</i>	39.545540	-75.876144	<i>(1) 0.6 miles south of Elkmore</i>
<i>Designated Uses Present in Segment:</i>	39.544392	-75.855301	<i>(2) Paddy Biddle Cove</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.607624	-75.822853	<i>(3) Elkton-500 feet below Rt. 7</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>			

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Application Depth: 0.5 meters			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §H(2)(h) of this regulation			
(f) Sassafras River Oligohaline (SASOH1):	39.389511	-76.040848	(1) Grove Pt.
Designated Uses Present in Segment:	39.372025	-76.101227	(2) 2,850 feet east of Howells Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	39.371868	-75.955750	(3) 0.66 miles NW of Freeman Creek
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	39.378330	-75.961472	(4) Cassidy Wharf
Application Depth: 2.0 meters, NGZ present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §H(2)(h) of this regulation			
(g) Sassafras River Oligohaline (SASOH2):	39.378330	-75.961472	(1) Cassidy Wharf
Designated Uses Present in Segment:	39.371868	-75.955750	(2) 0.66 miles NW of Freeman Creek
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	39.376785	-75.806549	(3) 350 feet upstream of Rt. 301
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive			
Application Depth: 0.5 meters			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §H(2)(h) of this regulation			
(h) Shellfish Harvest Subcategory. All estuarine portions of tributaries except:			
(i) Elk River and tributaries	39.513611	-75.884711	Upstream of line from Bull Minnow Pt. to Courthouse Pt.
	39.522583	-75.891449	
(ii) Bohemia River and tributaries	39.485853	-75.908481	Upstream of line from Rich Pt. to Battery Pt.
	39.475916	-75.905035	
(iii) Sassafras River and tributaries	39.370325	-75.978743	Upstream of Ordinary Pt.
	39.363975	-75.975207	
(iv) Stillpond Creek and tributaries (Still Pond)	39.332707	-76.135330	Upstream of Kinnaird Pt.
	39.333612	-76.132329	
(v) Worton Creek	39.291457	-76.181995	Upstream of mouth
	39.299038	-76.178130	
(vi) Fairlee Creek	39.269552	-76.210087	Upstream of mouth
	39.279774	-76.200203	
(vii) Northeast River	39.541074	-76.003000	Upstream of mouth
	39.529124	-75.980445	
(3) Class III: Principio Creek and all tributaries	39.572032	-76.031084	
(4) Class III-P: None.			
(5) Class IV: None.			
(6) Class IV-P: None.			

I. Sub-Basin 02-13-07: Bush River Area.

Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Class I-P: Winters Run and all tributaries, including Atkisson Reservoir	39.439084	-76.307513	From Otter Point Creek to upstream boundary of Atkisson Reservoir
(2) Class II:			
(a) Bush River Oligohaline (BSHOH):	39.339172	-76.256592	(1) 800 feet upriver of Lego Pt.
Designated Uses Present in Segment:	39.351715	-76.232986	(2) Mouth of Abbey Creek
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	39.482510	-76.215805	(3) Church Creek, at the railroad tracks

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<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>			
<i>Application Depth: 0.5 meters</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Shellfish Harvest: See §I(2)(b) of this regulation</i>			
<i>(b) Shellfish Harvest Subcategory. All estuarine portions of tributaries except:</i>			
<i>(i) Bush River and tributaries</i>	39.412511	-76.254673	<i>Upstream of line from Fairview Pt. to Chillbury Pt.</i>
	39.407534	-76.242382	
<i>(ii) Romney Creek</i>	39.389322	-76.208158	<i>Upstream of Briar Pt.</i>
	39.388825	-76.212396	
<i>(iii) Swan Creek and tributaries</i>	39.486879	-76.114054	<i>Upstream of line from Swan Creek Point and Plumb Point</i>
	39.489244	-76.122327	
<i>(3) Class III: Bynum Run and all tributaries</i>	39.471465	-76.259730	
<i>(4) Class III-P: None.</i>			
<i>(5) Class IV: None.</i>			
<i>(6) Class IV-P: Winters Run and all tributaries</i>	39.484346	-76.343776	<i>Upstream of Atkisson Reservoir</i>

J. Sub-Basin 02-13-08: Gunpowder River Area.

<i>Class: Waters</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Limits</i>
<i>(1) Class I-P: Loch Raven Reservoir.</i>	39.430805	-76.543833	<i>Upstream of Loch Raven Dam</i>
<i>(2) Class II:</i>			
<i>(a) Gunpowder River Oligohaline (GUNOH2):</i>	39.358330	-76.345024	<i>(1) Cunninghamhill Cove, mouth of unnamed creek</i>
<i>Designated Uses Present in Segment:</i>	39.356564	-76.322929	<i>(2) Maxwell Pt.</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.412685	-76.400780	<i>(3) Gunpowder Falls, 1,500 feet below Rt. 7</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>			
<i>Application Depth: 0.5 meters</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Shellfish Harvest: See §J(2)(d) of this regulation</i>			
<i>(b) Mouth of Gunpowder River Oligohaline (GUNOH1):</i>	39.316414	-76.331039	<i>(1) 170 feet S of east side of bridge to Carroll Island</i>
<i>Designated Uses Present in Segment:</i>	39.312862	-76.321449	<i>(2) Carroll Pt.</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.312767	-76.321190	<i>(3) Carroll Pt.</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	39.303204	-76.296249	<i>(4) Rickett Pt. at end of Ricketts Pt. Rd.</i>
<i>Application Depth: 2.0 meters</i>	39.356564	-76.322929	<i>(5) Maxwell Pt.</i>
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>	39.358330	-76.345024	<i>(6) Cunninghamhill Cove, mouth of unnamed creek</i>
<i>Shellfish Harvest: See §J(2)(d) of this regulation</i>	39.326569	-76.361801	<i>(7) 170 feet South of West side of bridge to Carroll Island</i>
	39.326477	-76.361130	<i>(8) 170 feet S of east side of bridge to Carroll Island</i>
<i>(c) Middle River Oligohaline (MIDOH):</i>	39.286442	-76.384102	<i>(1) North shore of Holly Beach</i>
<i>Designated Uses Present in Segment:</i>	39.309422	-76.342964	<i>(2) Carroll Island, between Weir Pt. and Hawthorn Cove</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.326477	-76.361130	<i>(3) 170 feet S of east side of bridge to Carroll Island</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	39.326569	-76.361801	<i>(4) 170 feet South of west side of bridge to Carroll Island</i>
<i>Application Depth: 2.0 meters</i>	39.329792	-76.446922	<i>(5) 150 feet downstream of RR tracks, above Eastern Blvd</i>
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Shellfish Harvest: See §J(2)(d) of this regulation</i>			

<i>(d) Shellfish Harvest Subcategory. All estuarine portions of tributaries except:</i>			
<i>(i) Gunpowder River and all tributaries</i>	39.373213	-76.338011	<i>Upstream of line from Oliver Pt. to Maxwell Pt.</i>
	39.357091	-76.322603	
<i>(ii) Middle River</i>	39.303819	-76.394089	<i>Upstream of line from Log Pt. to Turkey Pt.</i>
	39.294278	-76.398539	
<i>(3) Class III:</i>			
<i>(a) Little Gunpowder Falls and all tributaries</i>	39.421494	-76.373807	<i>Above B&O railroad bridge 3/4 mile south of Rt. 7 (Old Philadelphia Road)</i>
<i>(b) Long Green Run and all tributaries</i>	39.436259	-76.463872	
<i>(c) Sweathouse Branch and all tributaries</i>	39.435819	-76.461519	
<i>(d) Cowen Run and all tributaries</i>	39.430809	-76.522574	
<i>(4) Class III-P: Gunpowder Falls and all tributaries upstream from Loch Raven Reservoir</i>			
<i>(5) Class IV:</i>			
<i>(a) Whitemarsh Run and all tributaries</i>	39.381461	-76.419291	
<i>(b) Big Gunpowder Falls</i>	39.425580	-76.529257	<i>U.S. Route 95 upstream to Cromwell Bridge Road mainstem only</i>
	39.415885	-76.409348	
<i>(6) Class IV-P: None.</i>			

K. Sub-Basin 02-13-09: Patapsco River Area.

<i>Designated Use Class and Waterbody</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Limits</i>
<i>(1) Class I-P:</i>			
<i>(a) Liberty Reservoir</i>	39.376821	-76.890395	<i>Upstream of Liberty Dam</i>
<i>(b) All tributaries to West Branch Patapsco River except those designated below as Class IV-P</i>			
<i>(c) All tributaries to Liberty Reservoir except those designated below as Class III-P or Class IV-P</i>			<i>Upstream of Liberty Reservoir</i>
<i>(2) Class II: Tidal Waters:</i>			
<i>(a) Back River Oligohaline (BACOH):</i>	39.231178	-76.408920	<i>(1) Swan Pt., in line with 11th St.</i>
<i>Designated Uses Present in Segment:</i>	39.248951	-76.410530	<i>(2) Rocky Pt. Park, between Claybank and Cedar Pts.</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.307873	-76.520416	<i>(3) Moores Run, 1.25 miles above I-695</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>			
<i>Application Depth: 0.5 meters</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Shellfish Harvest: None</i>			
<i>(b) Patapsco River Mesohaline (PATMH):</i>	39.131855	-76.435081	<i>(1) Bodkin Neck between Cedar and Bodkin Pts.</i>
<i>Designated Uses Present in Segment:</i>	39.195377	-76.444511	<i>(2) North Pt. south of Fort Howard</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	39.275375	-76.654480	<i>(3) Gwynns Falls, upstream end of Carroll Park</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>			
<i>Application Depth: 1.0 meters, NGZ present</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Seasonal Deep Water Fish and Shellfish Use: Upper pycnocline to lower pycnocline from June 1 to September 30, inclusive</i>			
<i>Shellfish Harvest: See §K(2)(c) of this regulation</i>			
<i>Seasonal Deep Channel Refuge. Lower pycnocline boundary to bottom from June 1 to September 30, inclusive</i>	39.183780	-76.403830	<i>(4) Patapsco River mainstem: Brewerton Channel, eastern extension at line connecting North Pt. and Bodkin Pt.</i>
	39.219900	-76.525780	<i>(5) Patapsco River mainstem: Brewerton Channel at Key Bridge (I-695)</i>

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	39.219900	-76.525780	(6) Patapsco River mainstem: Fort McHenry Channel, at Key Bridge (I-695)
	39.261940	-76.574550	(7) Patapsco River mainstem: Fort McHenry Channel at Rt. 895 Tunnel
	39.224300	-76.529080	(8) Curtis Bay Channel at intersection with Fort McHenry Channel
	39.222190	-76.575130	(9) Curtis Bay Channel at intersection with Curtis Creek
	39.187780	-76.577670	(10) Curtis Bay Channel at channel terminus
	39.254170	-76.571760	(11) Middle Branch: Ferry Bar Channel at intersection with Fort McHenry Channel
	39.253060	-76.607630	(12) Middle Branch: Ferry Bar Channel, western terminus anchorages
	39.261940	-76.574550	(13) Northwest Branch: East Channel at intersection with Fort McHenry Channel
	39.275080	-76.576210	(14) Northwest Branch: East Channel at northern terminus
	39.271330	-76.575890	(15) Northwest Branch: Intersection of East and West Channels
	39.277310	-76.599340	(16) Northwest Branch: West Channel at northern terminus
<i>Note: Authorized federal and non-federal anchorages associated with the Brewerton, Fort McHenry, Curtis Bay, Ferry Bar, East, and West Channels shall be considered part of the navigation channel system for the purposes of application of designated uses and criteria pursuant to COMAR 26.08.02.02C(1)(f)(i)-(ii) and COMAR 26.08.02.03-3C(9)(e)(I).</i>			
(c) Shellfish Harvest Subcategory: Estuarine portions of Patapsco River mainstem except the Patapsco River and all tributaries upstream of line from Rock Pt. to North Pt.	39.164879	-76.476476	
	39.195821	-76.444927	
(3) Class III:			
(a) Brice Run and all tributaries	39.319009	-76.822519	
(b) Piney Run and all tributaries	39.352413	-76.895710	From mouth upstream to Slacks Road (on Springfield State Hospital grounds)
	39.380859	-76.944293	
(c) Jones Falls and all tributaries	39.391029	-76.654062	Upstream of Lake Roland
(d) Red Run and all tributaries	39.404790	-76.776654	
(e) Gwynns Falls and all tributaries	39.420864	-76.781840	Upstream of Reisterstown Road
(f) Gillis Falls and all tributaries	39.362346	-77.065255	
(g) South Branch Patapsco and all tributaries	39.362284	-77.065456	Upstream of confluence with Gillis Falls tributaries
(h) Unnamed tributary to the South Branch Patapsco River at Henryton and all tributaries to this unnamed tributary	39.350795	-76.915771	
(i) Roaring Run (Carroll County) and all tributaries	39.510061	-76.887278	Upstream from mouth
(j) Unnamed tributary to the South Branch Patapsco River at Marriottsville and all tributaries to this unnamed tributary	39.351956	-76.898985	
(k) Piney Branch and all tributaries	39.357049	-76.996543	
(4) Class III-P:			
(a) Piney Run and all tributaries	39.380859	-76.944293	Upstream of Slacks Road (on Springfield State Hospital grounds)
(b) Morgan Run and all tributaries	39.450451	-76.948306	
(c) Norris Run and all tributaries	39.459228	-76.876215	
(d) Cooks Branch and all tributaries	39.438203	-76.872783	
(e) Keyzers Run and all tributaries	39.471594	-76.879122	
(f) Beaver Run and all tributaries	39.484356	-76.898037	
(g) Snowdens Run and all tributaries	39.403823	-76.911979	
(h) Stillwater Creek and all tributaries	39.400553	-76.911755	

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(i) Carroll Highlands Run and all tributaries	39.390605	-76.910086	
(j) Autumn Run and all tributaries	39.389618	-76.909671	
(k) Locust Run and all tributaries	39.404995	-76.862578	
(l) Glen Falls Run and all tributaries	39.494078	-76.867964	
(m) East Branch Patapsco River and all tributaries	39.537358	-76.893171	
(n) Little Morgan Run and all tributaries	39.436989	-76.987892	Upstream from confluence with unnamed tributary near Klees Mill Road
(5) Class IV:			
(a) South Branch Patapsco River	39.350065	-76.882132	Mainstem only
(b) Jones Falls	39.311006	-76.620399	Mainstem only. From North Ave. upstream to Lake Roland Dam
	39.378602	-76.643583	
(c) Herring Run and all tributaries	39.302647	-76.531400	Upstream of Route I-95
(d) Stony Run and all tributaries	39.316898	-76.626541	
(e) Dead Run and all tributaries	39.305360	-76.686387	
(f) Stemmers Run and all tributaries	39.352105	-76.499513	Upstream of Route I-95
(g) Patapsco River	39.221606	-76.713289	Mainstem only. B&O (Thomas) viaduct upstream to confluence of North Branch Patapsco and South Branch Patapsco.
	39.349903	-76.882211	
(h) Gwynns Falls	39.420854	-76.781846	Balt. City/County line upstream to Route 140 (Reisterstown Road)
	39.319253	-76.711336	
(6) Class IV-P:			
(a) North Branch Patapsco River	39.493185	-76.872810	Mainstem only upstream of Liberty Reservoir
(b) West Branch Patapsco River	39.537319	-76.893451	Mainstem only
(c) Cranberry Branch and all tributaries	39.583162	-76.970392	Upstream of MD Route 852 (Old Manchester Road)

L. Sub-Basin 02-13-10: West Chesapeake Bay Area.

Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Class I-P: None.			
(2) Class II:			
(a) Magothy River Mesohaline (MAGMH):	39.039185	-76.414330	(1) Between Beacon Hill and Tydings on the Bay
Designated Use Present in Segment:	39.074715	-76.422539	(2) East side Gibson I. across from Hapenny Way
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	39.114807	-76.548195	(3) End of estuary below Catherine Ave.
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive			
Application Depth: 1.0 meters, NGZ present			
Seasonal Deep Water Fish and Shellfish Use: Upper pycnocline to lower pycnocline from June 1 to September 30, inclusive			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §L(2)(f) of this regulation			
(b) Severn River Mesohaline (SEVMH):	38.946095	-76.455879	(1) Bay Ridge, near Bainbridge Ave
Designated Use Present in Segment:	38.976032	-76.452377	(2) Greenbury Pt., 800 feet up east side from the tip
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	39.079697	-76.623398	(3) Severn Run, 1,100 feet downstream of Veterans Hwy.
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive			
Application Depth: 1.0 meters			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			

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Seasonal Deep Water Fish and Shellfish Use: Upper pycnocline to lower pycnocline from June 1 to September 30, inclusive			
Shellfish Harvest: See §L(2)(f) of this regulation			
(c) South River Mesohaline (SOUTH):	38.888672	-76.489876	(1) Saunders Pt., south of Mayo Beach Park
Designated Use Present in Segment:	38.886829	-76.475616	(2) 0.8 miles east of Saunders Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.907860	-76.466240	(3) Southern shore of Thomas Pt. Park
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.983105	-76.606232	(4) 700 feet upstream of Rt. 50
Application Depth: 1.0 meters, NGZ present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Seasonal Deep Water Fish and Shellfish Use: Upper pycnocline to lower pycnocline from June 1 to September 30, inclusive			
Shellfish Harvest: See §L(2)(f) of this regulation			
(d) Rhode River Mesohaline (RHDMH):	38.867775	-76.519608	(1) Salt Pond at the mouth of the Rhode River
Designated Use Present in Segment:	38.864788	-76.485870	(2) 1.2 miles ESE of Dutchman Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.886829	-76.475616	(3) 0.8 miles east of Saunders Pt.
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.888672	-76.489876	(4) Saunders Pt., south of Mayo Beach Park
Application Depth: 0.5 meters, NGZ present	38.883629	-76.554649	(5) Muddy Creek, 1,200 feet below N and S Forks converge
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §L(2)(f) of this regulation			
(e) West River Mesohaline (WSTMH):	38.848892	-76.493805	(1) Felicity Cove, 250 feet north of Bay Rd.
Designated Use Present in Segment:	38.864788	-76.485870	(2) 1.2 miles ESE of Dutchman Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.867775	-76.519608	(3) Salt Pond at the mouth of the Rhode River
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.822258	-76.551514	(4) 2,400 feet downstream of Shady Side Rd.
Application Depth: 0.5 meters, NGZ present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §L(2)(f) of this regulation			
(f) Shellfish Harvest Subcategory. All estuarine portions of tributaries except:			
(i) Magothy River and tributaries	39.08422836	-76.51089143	Upstream of Henderson Pt.
	39.0817026	-76.51760596	
(ii) Severn River and tributaries	39.070697	-76.575016	Upstream of mouth of Forked Creek
	39.068054	-76.575866	
(iii) South River and tributaries	38.958948	-76.577045	Upstream of Porter Pt.
	38.958226	-76.582411	
(iv) Rockhold Creek and tributaries	38.782503	-76.559107	Upstream of Mason Beach Road
(v) Tracys Creek	38.778011	-76.563274	Upstream of Rt. 256
(3) Class III: Jabez Branch and all tributaries	39.082056	-76.629864	
(4) Class III-P: None.			
(5) Class IV: Severn Run and all tributaries	39.080917	-76.626467	Upstream of Rt. 3
(6) Class IV-P: None.			
M. Sub-Basin 02-13-11: Patuxent River Area.			
Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Class I-P:			
(a) Little Patuxent River and all tributaries	39.079294	-76.765442	Upstream of Old Forge Bridge (1 mile south of MD Route 198)

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<i>(b) Patuxent River and all tributaries except those designated below as Class III-P or Class IV-P</i>	39.117030	-76.875187	Upstream of Rocky Gorge Dam
<i>(2) Class II:</i>			
<i>(a) Upper Patuxent River Tidal Fresh (PAXTF):</i>	38.700325	-76.695824	<i>(1) On Marshy Point 0.5 miles N of Hotschkins Branch</i>
<i>Designated Uses Present in Segment:</i>	38.700516	-76.694160	<i>(2) 0.8 miles north of Jones Pt.</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	38.874958	-76.677834	<i>(3) Near unnamed stream south of Mt. Nebo Branch</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	38.785023	-76.712456	<i>(4) Mouth of Western Branch, east side</i>
<i>Application Depth: 0.5 meters</i>	38.784637	-76.713326	<i>(5) Mouth of Western Branch, west side</i>
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Shellfish Harvest: See §M(2)(j) of this regulation</i>			
<i>(b) Western Branch Patuxent River Tidal Fresh (WBRTF):</i>	38.784637	-76.713326	<i>(1) Mouth of Western Branch, west side</i>
<i>Designated Uses Present in Segment:</i>	38.785023	-76.712456	<i>(2) Mouth of Western Branch, east side</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	38.797241	-76.729507	<i>(3) Where West. Branch narrows, N of sewage plant</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>			
<i>Application Depth: 0.5 meters</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Shellfish Harvest: See §M(2)(j) of this regulation</i>			
<i>(c) Middle Patuxent River Oligohaline (PAXOH):</i>	38.542320	-76.678818	<i>(1) Chalk Pt., eastern side</i>
<i>Designated Uses Present in Segment:</i>	38.540684	-76.668045	<i>(2) Gods Grace Pt. near end of Leitchs Wharf Rd.</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	38.700516	-76.694160	<i>(3) 0.8 miles north of Jones Pt.</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	38.700325	-76.695824	<i>(4) On marshy point 0.5 miles N of Hotschkins Branch</i>
<i>Application Depth: 0.5 meters</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>Shellfish Harvest: See §M(2)(j) of this regulation</i>			
<i>(d) Lower Patuxent River Mesohaline 1 (PAXMH1):</i>	38.304638	-76.421448	<i>(1) Fishing Pt.</i>
<i>Designated Uses Present in Segment:</i>	38.319176	-76.420990	<i>(2) Drum Pt.</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	38.322941	-76.451630	<i>(3) Point of land S of Ship Pt. and E of Ma Leg I.</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	38.321041	-76.451965	<i>(4) Eastern tip of Solomons</i>
<i>Application Depth: 2.0 meters</i>	38.386593	-76.498840	<i>(5) Mouth of St. Leonard Creek, east side</i>
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>	38.389153	-76.506416	<i>(6) Petersons Pt.</i>
<i>Seasonal Deep Water Fish and Shellfish Use: Upper pycnocline to lower pycnocline from June 1 to September 30, inclusive</i>	38.412220	-76.542747	<i>(7) Island Creek mouth, east Side</i>
<i>Shellfish Harvest: See §M(2)(j) of this regulation</i>	38.411896	-76.544487	<i>(8) Island Creek mouth, Broomes Island Side</i>
	38.481140	-76.647560	<i>(9) 0.64 miles south of the Sandy Pt. near Buzzard I.</i>
	38.475594	-76.662788	<i>(10) Trent Hall Pt.</i>
	38.342590	-76.500587	<i>(11) Mouth of Cuckold Creek, north side</i>
	38.339634	-76.499550	<i>(12) Mouth of Cuckold Creek, south side</i>
<i>(e) Lower Patuxent River Mesohaline 2 (PAXMH2):</i>	38.475594	-76.662788	<i>(1) Trent Hall Pt.</i>
<i>Refer to designated uses applicable to Lower Patuxent River Mesohaline 1 (PAXMH1)</i>	38.481140	-76.647560	<i>(2) 0.64 miles south of the Sandy Pt. near Buzzard I.</i>

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Shallow Water Application Depth: 0.5 meters	38.540684	-76.668045	(3) Gods Grace Pt. near end of Leitchs Wharf Rd.
	38.542320	-76.678818	(4) Chalk Pt., eastern side
(f) Lower Patuxent River Mesohaline 3 (PAXMH3):	38.321041	-76.451965	(1) Eastern tip of Solomons
Refer to designated uses applicable to Lower Patuxent River Mesohaline 1 (PAXMH1)	38.322941	-76.451630	(2) Point of land S of Ship Pt. and E of Ma Leg I.
Shallow Water Application Depth: 0.5 meters			
(g) Lower Patuxent River Mesohaline 4 (PAXMH4):	38.339634	-76.499550	(1) Mouth of Cuckold Creek, south side
Refer to designated uses applicable to Lower Patuxent River Mesohaline 1 (PAXMH1)	38.342590	-76.500587	(2) Mouth of Cuckold Creek, north side
Shallow Water Application Depth: 0.5 meters			
(h) Lower Patuxent River Mesohaline 5 (PAXMH5):	38.389153	-76.506416	(1) Petersons Pt.
Refer to designated uses applicable to Lower Patuxent River Mesohaline 1 (PAXMH1)	38.386593	-76.498840	(2) Mouth of St. Leonard Creek, east side
Shallow Water Application Depth: 0.5 meters	38.446831	-76.492088	(3) 0.25 miles downstream of Parran Road
(i) Lower Patuxent River Mesohaline 6 (PAXMH6):	38.411896	-76.544487	(1) Island Creek mouth, Broomes Island Side
Refer to designated uses applicable to Lower Patuxent River Mesohaline 1 (PAXMH1)	38.412220	-76.542747	(2) Island Creek mouth, east Side
Shallow Water Application Depth: 0.5 meters	38.433407	-76.540894	(3) 0.7 miles N of point where Marshall Rd. ends
(j) Shellfish Harvest Subcategory. All estuarine portions of tributaries except Patuxent River and tributaries	38.701927	-76.693783	Upstream of Ferry Landing
	38.701509	-76.696046	
(3) Class III: None			
(4) Class III-P: Patuxent River and tributaries Upstream of Triadelphia Reservoir	39.237603	-77.045141	
(5) Class IV: None.			
(6) Class IV-P:			
(a) Patuxent River and tributaries	39.149845	-76.975630	Between Rocky Gorge Reservoir and Triadelphia Reservoir, and including Triadelphia Reservoir
(b) Little Patuxent and Middle Patuxent and all tributaries	39.134120	-76.816032	Little Patuxent and all tributaries upstream of U.S. Route 1 (Washington Boulevard)

N. Sub-Basin 02-14-01: Lower Potomac River Area.

Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Class I-P: Tilghman Lake Reservoir	38.545648	-76.941000	
(2) Class II:			
(a) Lower Potomac River Tidal Fresh (POTTF):	38.524168	-77.284804	(1) MLW midway between Shipping Pt. and Quantico Pier
Designated Uses Present in Segment:	38.523266	-77.256630	(2) 1,000 feet SW of Moss Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.554722	-77.220268	(3) Stump Neck, E of radio towers & W of Roach Rd.
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.566856	-77.209755	(4) Cornwallis Neck, 0.25 miles NW of Deep Pt.
Application Depth: 2.0 meters, NGZ present	38.702038	-77.044693	(5) Mockley Pt., 500 feet west of tip
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive	38.711002	-77.036736	(6) West of Fort Washington
Shellfish Harvest: See §N(2)(h) of this regulation	38.809449	-77.016184	(7) DC/MD State Line-northern shore of Oxon Creek
	38.805753	-77.020951	(8) DC/MD State Line-southern shore of Oxon Creek
	38.802464	-77.025166	(9) DC/MD State Line-near Fox Ferry Pt.
	38.791836	-77.038923	(10) DC/MD/VA State line, 200' east of Jones Point Park
	38.711002	-77.036736	(11) West of Ft. Washington
	38.702038	-77.044693	(12) Mockley Pt., 500 west of tip

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	38.566856	-77.209755	(13) Cornwallis Neck, 0.25 miles NW of Deep Pt.
	38.554722	-77.220268	(14) Stump Neck, E of radio towers and W of Roach Rd.
Following the mean low water (MLW) line which defines the Maryland/Virginia State boundary to the first point described above, except for the following Virginia embayments where the boundary is the confluence of the mouth of the embayment with the Potomac River; Hunting Creek, Little Hunting Creek, Dogue Creek, Gunston Cove, the unnamed embayment in Mason Neck NWR, Occoquan Bay, Powells Creek, and Quantico Creek.			
(b) Lower Potomac River Oligohaline 1 (POTOH1):	38.389680	-77.029268	(1) MLW 1 mile SE of Mathias Pt., just north of 639
Designated Uses Present in Segment:	38.407509	-76.997322	(2) 0.65 miles NW of the town of Popes Creek
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.444935	-77.016396	(3) 1.5 miles SE of Chapel Pt., due E of Windmill Pt.
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.444565	-77.040695	(4) Windmill Pt.
Application Depth: 2.0 meters, NGZ present	38.408894	-77.110886	(5) Blossom Pt.
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive	38.408745	-77.124855	(6) 0.15 miles SW of Benny Gray Pt.
Shellfish Harvest: See §N(2)(h) of this regulation	38.523266	-77.256630	(7) 1,000 feet SW of Moss Pt.
	38.524168	-77.284864	(8) MLW midway between Shipping Pt. and Quantico Pier
Following the Mean Low Water (MLW) line which defines the Maryland/Virginia State boundary to the first point described above, except for the following Virginia embayments where the boundary is the confluence of the mouth of the embayment with the Potomac River; Unnamed embayment (Chopawamsic Island), Unnamed embayment (near Arkendale Road), Aquia Creek, and Potomac Creek.			
(c) Lower Potomac River Oligohaline 2 (POTOH2): Port Tobacco River	38.444565	-77.040695	(1) Windmill Pt.
Designated Uses Present in Segment:	38.444935	-77.016396	(2) 1.5 miles SE of Chapel Pt., due E of Windmill Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.500164	-77.026306	(3) Port Tobacco Marina (edge of 7.5 foot quad sheet)
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive			
Application Depth: 1.0 meters, NGZ present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §N(2)(h) of this regulation			
(d) Lower Potomac River Oligohaline 3 (POTOH3): Nanjemoy Creek	38.408745	-77.124855	(1) 0.15 miles SW of Benny Gray Pt.
Designated Uses Present in Segment:	38.408894	-77.110886	(2) Blossom Pt.
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.475391	-77.130676	(3) Wards Run, 0.25 miles upstream of Hill Top Fork
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive			
Application Depth: 1.0 meters, NGZ present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Shellfish Harvest: See §N(2)(h) of this regulation			
(e) Lower Potomac River Mesohaline (POTMH):	37.909777	-76.263700	(1) MLW East of Ophelia, 300 feet NW of light
Designated Uses Present in Segment:	38.038605	-76.321442	(2) Point Lookout
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	38.407509	-76.997322	(3) 0.65 miles NW of the town of Popes Creek
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	38.389680	-77.029268	(4) MLW 1 mile SE of Mathias Pt., just north of 639
Application Depth: meters, NGZ present			
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive			
Seasonal Deep Water Fish and Shellfish Use: Upper pycnocline to lower pycnocline from June 1 to September 30, inclusive			

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<i>Seasonal Deep Channel Refuge Use: Lower pycnocline boundary to bottom from June 1 to September 30, inclusive</i>			
<i>Shellfish Harvest: See §N(2)(h) of this regulation</i>			
<i>Following the mean low water (MLW) line which defines the Maryland/Virginia State boundary to the first point described above, except for the following Virginia embayments where the boundary is the confluence of the mouth of the embayment with the Potomac River: Upper Machodoc Creek, Rosier Creek, Monroe Bay, Mattox Creek, Popes Creek, Nomini Bay, Lower Machodoc Creek, unnamed embayment (south of Ragged Pt.), Gardner Creek, Jackson Creek, Bonum Creek, Yeocomico River, Coan River, Presley Creek, Hull Creek, and Hock Creek.</i>			
<i>(f) Piscataway Creek Tidal Fresh (PISTF):</i>	38.711002	-77.036736	(1) West of Ft. Washington
<i>Designated Uses Present in Segment:</i>	38.702038	-77.044693	(2) Mockley Point, 500 feet west of tip
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	38.697979	-76.996788	(3) Piscataway Creek Park, north of sewage disposal plant
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive.</i>			
<i>Application depth: 2.0 meters, NGZ Absent</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive.</i>			
<i>Shellfish Harvest: See §N(2)(h) of this regulation</i>			
<i>(g) Mattawoman Creek Tidal Fresh (MATTF):</i>	38.566856	-77.209755	(1) Cornwallis Neck, 0.25 miles northwest of Deep Point
<i>Designated Uses Present in Segment:</i>	38.554722	-77.220268	(2) Stump Neck, east of radio towers and west of Roach Road
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	38.591194	-77.124672	(3) 2300 feet downstream of Routes 224/225
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive.</i>			
<i>Application depth: 1.0 meters, NGZ Absent</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive.</i>			
<i>Shellfish Harvest: See §N(2)(h) of this regulation</i>			
<i>(h) Shellfish Harvest Subcategory. All estuarine portions of tributaries except Potomac River and tributaries</i>	38.415027	-77.265037	Above line from Smith Pt. to Simms Pt.
	38.397067	-77.311346	
(3) Class III: None.			
(4) Class III-P: None.			
(5) Class IV: None.			
(6) Class IV-P: None.			

O. Sub-Basin 02-14-02: Washington Metropolitan Area.

<i>Designated Use Class and Waterbody</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Limits</i>
<i>(1) Class I-P: Potomac River and all tributaries except those designated below as Class III, Class III-P, Class IV, or Class IV-P</i>	38.934494	-77.119225	<i>From MD/DC line to Frederick/Montgomery County line</i>
<i>(2) Class II:</i>			
<i>Anacostia River Tidal Fresh (ANATF):</i>	38.938805	-76.942162	<i>(1) DC/MD State Line-eastern side of Rt. 50 bridge</i>
<i>Designated Uses Present in Segment:</i>	38.918850	-76.941951	<i>(2) 100 feet below Bladensburg Road bridge</i>
<i>Migratory Spawning and Nursery Use: February 1 to May 31, inclusive</i>	38.918261	-76.941198	<i>(3) DC/MD State Line-western shore</i>
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>			
<i>Application Depth: 0.5 meters, NGZ present</i>			
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>			
<i>(3) Class III:</i>			
<i>(a) Paint Branch and all tributaries</i>	39.022995	-76.945898	<i>Upstream of Capital Beltway (I-495)</i>
<i>(b) Rock Creek and all tributaries</i>	39.137413	-77.128942	<i>Upstream of Muncaster Mill Road</i>

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(c) North Branch Rock Creek and all tributaries	39.117721	-77.101155	Upstream of Muncaster Mill Road
(4) Class III-P:			
(a) Little Seneca Creek and all tributaries	39.143846	-77.337504	From the stream's confluence with Bucklodge Branch to the Baltimore and Ohio railroad bridge (see Regulation .03-3E(1) of this chapter)
	39.182396	-77.296787	
(b) Wildcat Branch and all tributaries	39.216251	-77.210016	
(c) Unnamed Tributary to the C & O Canal	39.059602	-77.308583	750 yards east of Blockhouse Point in Blockhouse Point Park
(d) Unnamed Tributary to Muddy Branch	39.065834	-77.297595	North of River Road in Blockhouse Point Park
(5) Class IV:			
(a) Rock Creek and all tributaries	39.094296	-77.117781	From Rt. 28 to Muncaster Mill Road
	39.137409	-77.128938	
(b) Northwest Branch Anacostia River and all tributaries	38.967802	-76.968627	Upstream of East-West Highway (Rt. 410)
(6) Class IV-P:			
(a) Little Seneca Creek and all tributaries	39.198890	-77.284809	Upstream of Little Seneca Lake
(b) Great Seneca Creek	39.166086	-77.228309	Mainstem, Route 28 upstream to Route 355
	39.128749	-77.335885	

P. Sub-Basin 02-14-03: Middle Potomac River Area.

Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Class I-P: Potomac River and all tributaries except those designated below as Class III-P or Class IV-P	39.221736	-77.456451	From Frederick/Montgomery County line to confluence with Shenandoah River
(2) Class II: None.			
(3) Class III: None.			
(4) Class III-P:			
(a) Tuscarora Creek and all tributaries	39.458359	-77.375099	
(b) Carroll Creek and all tributaries	39.423513	-77.429438	Upstream of U.S. Route 15
(c) Rocky Fountain Run and all tributaries	39.332070	-77.422527	
(d) Fishing Creek and all tributaries	39.505696	-77.391445	
(e) Hunting Creek and all tributaries	39.550482	-77.358179	
(f) Owens Creek and all tributaries	39.579028	-77.332576	
(g) Friends Creek and all tributaries	39.719868	-77.389272	
(h) Catoctin Creek and all tributaries	39.450300	-77.562603	Upstream of Alternate U.S. Route 40
(i) Little Bennett Creek and all tributaries	39.279411	-77.314709	Upstream of MD Rt. 355
(j) Furnace Branch and all tributaries	39.243999	-77.439955	
(k) Ballenger Creek and all tributaries	39.362694	-77.410124	
(l) Bear Branch and all tributaries	39.292638	-77.405135	From confluence with Bennett Creek upstream
(m) Middle Creek and all tributaries	39.448829	-77.603343	Upstream of the confluence with an unnamed trib south of Geaslin Drive
(n) Unnamed tributary to Talbot Branch and all tributaries to this unnamed tributary	39.455887	-77.160651	Stream flows in southerly direction. Mouth of stream joins Talbot Branch near intersection of Black Ankle Road and Talbot Run Road
(o) Unnamed tributary to Talbot Branch and all tributaries to this unnamed tributary	39.454004	-77.154174	Stream flows in northwesterly direction. Mouth of stream joins Talbot Branch 500 meters east of the intersection of Black Ankle Road and Talbot Run Road
(p) Unnamed tributary to Big Pipe Creek and all tributaries	39.675821	-76.941553	Upstream from confluence with another unnamed tributary just south of Wine Road
(q) Bennett Creek and all tributaries	39.310961	-77.231394	From a point, 700 yards to the east of the intersection of Moxley and Clarksburg Road, upstream
(r) Unnamed tributary to Bennett Creek	39.303758	-77.286898	Near intersection of Prices Distillery Road and Haines Road

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(5) Class IV: None.			
(6) Class IV-P:			
(a) Monocacy River and tributaries except those designated above as Class III-P	39.398435	-77.366868	Upstream of U.S. Rt. 40
(b) Catoctin Creek	39.309777	-77.567051	Mainstem only, from mouth upstream to Alternate U.S. Rt. 40
	39.450300	-77.562603	
(c) Israel Creek and all tributaries	39.327756	-77.682559	

Q. Sub-Basin 02-14-05: Upper Potomac River Area.

Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Class I-P: Potomac River and all Maryland tributaries except those designated below as Class III-P or Class IV-P	39.323294	-77.726927	From the confluence of Shenandoah River to the confluence of the North and South Branches of the Potomac River
(2) Class II: None.			
(3) Class III: None.			
(4) Class III-P:			
(a) All tributaries to Town Creek	39.522699	-78.543322	
(b) Beaver Creek and all tributaries	39.534756	-77.709125	In Antietam Creek Watershed
(c) Marsh Run and all tributaries	39.649666	-77.688571	In Antietam Creek Watershed
(d) Little Antietam Creek and all tributaries	39.682366	-77.634870	
(e) Camp Spring Run and all tributaries	39.620790	-77.938279	
(f) Lanes Run and all tributaries	39.666906	-77.994074	
(g) White Sulfur Run and all tributaries	39.660897	-78.458186	
(h) Fifteenmile Creek and all tributaries	39.682419	-78.457543	Upstream of the intersection of Fifteenmile Creek Road and Route 40
(i) Terrapin Run and all tributaries	39.668854	-78.433389	Upstream from Route 68
(j) Spring Lick and all tributaries	39.656160	-78.396852	
(k) Big Run and all tributaries	39.524737	-78.533497	In Allegany County
(l) Unnamed tributary to the Potomac River that flows through Twigg Hollow and all tributaries to this unnamed tributary	39.579220	-78.460902	Upstream of terminus of Outdoor Club Road
(m) Unnamed tributary to the Potomac River that flows through Roby Hollow and all tributaries to this unnamed tributary	39.588595	-78.429987	
(n) Unnamed tributary to the Potomac River that flows through Devil's Alley and all tributaries to this unnamed tributary	39.607699	-78.428234	
(o) Unnamed tributary to Sideling Hill Creek at Piney Grove	39.705681	-78.377356	Upstream of the intersection of Orleans Road and Route 40
(p) Unnamed Tributary to Sideling Hill Creek that flows through Swain Hollow and all tributaries to this unnamed tributary	39.678549	-78.340979	
(q) Munson Spring Branch and all tributaries	39.705626	-78.246756	Upstream from a point due north of the Route 68 Exit 77
(r) Unnamed Tributary to Rattle Run that flows through the Hickory Ridge Unit and all tributaries to this unnamed tributary	39.692248	-78.022278	
(s) Unnamed Tributary to Little Conococheague Creek at Polecat Hollow Road and all tributaries to this unnamed tributary	39.691872	-77.939952	From confluence with Little Conococheague parallel to Polecat Hollow Road
(5) Class IV: None.			
(6) Class IV-P:			
(a) Town Creek	39.522699	-78.543322	Mainstem only
(b) Fifteen Mile Creek and all tributaries	39.624306	-78.385322	
(c) Sideling Hill Creek and all tributaries	39.638721	-78.334084	
(d) Tonoloway Creek and all tributaries	39.694133	-78.156356	
(e) Licking Creek and all tributaries	39.651071	-78.049665	

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(f) Conococheague Creek and all tributaries	39.601204	-77.828375	
(g) Antietam Creek and all tributaries, except those designated above as Class III-P	39.417405	-77.745951	
(h) St. James Run	39.619544	-77.746772	Mainstem only. Confluence with Marsh Run upstream to headwaters
	39.537282	-77.763520	

R. Sub-Basin 02-14-10: North Branch Potomac River Area.

Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Use I-P:			
(a) North Branch Potomac River mainstem except that portion designated below as Use III-P	39.528486	-78.587610	From the confluence of the North and South Branches of the Potomac River to the MD/WV State line
(b) Mill Run and all tributaries (Allegany County) between the confluence with the North Branch Potomac and the Route 220 McMullen Highway road crossing	39.537360	-78.871353	From confluence with North Branch Potomac to the Route 220 McMullen Highway road crossing
	39.533030	-78.886076	
(c) Unnamed tributary to Mill Run and its tributaries in Allegany County	39.533054	-78.886147	From confluence with Mill Run upstream to headwaters
(d) An unnamed tributary near Pinto	39.567213	-78.839990	Confluence of the unnamed tributary with the North Branch of the Potomac River
(2) Use II: None.			
(3) Use III: None.			
(4) Use III-P:			
(a) North Branch Potomac River mainstem from below Jennings Randolph Dam downstream to the confluence with Laurel Run near Bloomington	39.4742592	-79.1054876	Mainstem only. From Jennings Randolph Dam downstream to the confluence with Laurel Run near Bloomington
	39.4317897	-79.1167041	
(b) All other waters are Use III-P except:			From confluence of North and South Branches of the Potomac River to the MD/WV state line
(i) Those designated above as Use I-P			
(ii) Those designated below as Use IV-P waters			
Note: Mill Run and all tributaries upstream from the Route 220 McMullen Highway road crossing (near intersection with Hansel Drive) are designated as Use III-P.			
(5) Use IV: None.			
(6) Use IV-P:			
(a) Wills Creek	39.648896	-78.764400	Mainstem only
(b) Evitts Creek	39.624841	-78.739466	Mainstem only
(c) Georges Creek	39.645609	-78.915845	Mainstem only
	39.483470	-79.046265	

S. Sub-Basin 05-02-02: Youghiogheny River Area.

Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Use I-P:			
(a) Broad Ford Run and all tributaries	39.407985	-79.371406	Upstream of Dam
(b) Piney Creek and all tributaries	39.701701	-79.019864	Upstream from the confluence with Church Creek to the boundary of the Frostburg Watershed property (near Jay Road)
	39.721323	-78.960085	
(2) Use II: None.			
(3) Use III:			
(a) North and South Branches of the Casselman River and all tributaries	39.668489	-79.177571	Upstream from the confluence of the North and South Branches Casselman to the headwaters
(b) Piney Creek and all tributaries in Maryland, including Church Creek	39.722576	-79.048833	From MD/PA State line upstream to confluence of Church Creek
	39.701701	-79.019864	
(c) Shade Run and all tributaries	39.684455	-79.164149	

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(d) Spiker Run and all tributaries	39.680001	-79.169868	
(e) Puzzley Run and all tributaries	39.721853	-79.232254	
(f) Unnamed tributary to the Casselman River and all tributaries to this unnamed tributary	39.709365	-79.117389	
(4) Use III-P:			
(a) Youghiogheny River and all tributaries joining the mainstem of the Youghiogheny River in Maryland	39.721389	-79.391256	Upstream from MD/PA State line
(b) Piney Creek and all tributaries	39.721323	-78.960085	Upstream from the Frostburg Watershed property (near Jay Road)
(5) Class IV: Casselman River	39.722386	-79.111767	Mainstem only, from Pennsylvania line upstream to the confluence of the South and North Branches of the Casselman
(6) Class IV-P: None.			

T. Sub-Basin 02-05-03: Conewago Creek.

(1) Class I-P: None.
(2) Class II: None.
(3) Class III: None.
(4) Class III-P: None.
(5) Class IV: None.
(6) Use IV-P: None.

U. Sub-Basin 02-13-99: Chesapeake Bay (Mainstem).

Designated Use Class and Waterbody	Latitude	Longitude	Limits
(1) Class I-P: None.			
(2) Class II:			
(a) Northern Chesapeake Bay (CB1TF1): See Sub-Basin 02-12-02: Lower Susquehanna River Area.			
(b) Northern Chesapeake Bay (CB1TF2): See Sub-Basin 02-12-02: Lower Susquehanna River Area.			
(c) Upper Chesapeake Bay (CB2OH): Upper Chesapeake Bay Oligohaline	39.225143	-76.408775	(1) North Pt. SP, Black Marsh, 1200' NE of sm. creek
Designated Uses Present in Segment:	39.207447	-76.246994	(2) 3,000 feet S of Rt. 21 (Tolchester Beach Rd.)
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	39.372025	-76.101227	(3) 2,850 feet east of Howells Pt.
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	39.389511	-76.040848	(4) Grove Pt.
Application Depth: 0.5 meters, NGZ present	39.401688	-76.035194	(5) North of Chesapeake Haven, Grove Neck
Open Water Fish and Shellfish Use: January 1 to December 31, inclusive	39.420143	-76.123344	(6) 1,000 feet SW of Cherry Tree Pt., APG
Shellfish Harvest: See §U(2)(g) of this regulation	39.351715	-76.232986	(7) North Pt. south of Fort Howard
	39.339172	-76.256592	(8) 800 feet upriver of Lego Pt.
	39.303204	-76.296249	(9) Rickett Pt. at end of Ricketts Pt. Rd.
	39.312767	-76.32119	(10) Carroll Pt.
	39.312862	-76.321449	(11) Carroll Pt.
	39.316414	-76.331039	(12) Carroll I., midway betw. White Oak and Carroll Pts.
	39.309422	-76.342964	(13) Carroll Island, between Weir Pt. and Hawthorn Cove
	39.286442	-76.384102	(14) North shore of Holly Beach
	39.248951	-76.41053	(15) Rocky Pt. Park, between Claybank and Cedar Pts.
	39.231178	-76.40892	(16) Swan Pt., in line with 11th St.
(d) Upper Central Chesapeake Bay (CB3MH): Upper Chesapeake Bay Mesohaline	38.995991	-76.413185	(1) 500 feet SE of Moss Pond
Designated Uses Present in Segment:	38.989105	-76.330185	(2) 0.6 miles NE of where Rt. 50 W meets the Bay
Migratory Spawning and Nursery Use: February 1 to May 31, inclusive	39.016422	-76.296959	(3) Kent Island, 1,600 N of Grollman Rd.
Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive	39.02972	-76.242516	(4) Wickes Beach, Eastern Neck Island

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<i>Application Depth: 0.5 meters, NGZ present</i>	39.054563	-76.220229	(5) Northern tip of Eastern Neck Island, east of Route 445 Bridge
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>	39.056882	-76.220903	(6) Southern End of Eastern Neck, east of Route 445 Bridge
<i>Seasonal Deep Water Fish and Shellfish Use: Upper pycnocline to lower pycnocline from June 1 to September 30, inclusive</i>	39.207447	-76.246994	(7) 3,000 S of Rt. 21 (Tolchester Beach Rd.)
<i>Seasonal Deep Channel Refuge Use: Lower pycnocline boundary to bottom from June 1 to September 30, inclusive</i>	39.225143	-76.408775	(8) North Pt. SP, Black Marsh, 1,200 feet NE of sm. creek
<i>Shellfish Harvest: See §U(2)(g) of this regulation</i>	39.195377	-76.444511	(9) North Pt. south of Fort Howard
	39.131855	-76.435081	(10) Bodkin Neck between Cedar and Bodkin Pts.
	39.074715	-76.422539	(11) East side Gibson I. across from Hapenny Way
	39.039185	-76.41433	(12) Between Beacon Hill and Tydings on the Bay
<i>(e) Middle Central Chesapeake Bay (CB4MH):</i>	38.384819	-76.381432	(1) Cove Pt.
<i>Designated Uses Present in Segment:</i>	38.393951	-76.282532	(2) Meekins Neck, 800 feet north of Cattail Island
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	38.421051	-76.288589	(3) Meekins Neck, across channel from Point #4
<i>Application Depth: 2.0 meters, NGZ present</i>	38.421944	-76.288742	(4) Southern tip of Taylors Island
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>	38.487057	-76.331779	(5) West side of Oyster Cove, Taylors Island
<i>Seasonal Deep Water Fish and Shellfish Use: Upper pycnocline to lower pycnocline from June 1 to September 30, inclusive</i>	38.526997	-76.333771	(6) 190 feet south of LCHMH Point #3
<i>Seasonal Deep Channel Refuge Use: Lower pycnocline boundary to bottom from June 1 to September 30, inclusive</i>	38.527523	-76.333801	(7) East edge of tidal flat N of existing James Island
<i>Shellfish Harvest: See §U(2)(g) of this regulation</i>	38.672421	-76.340698	(8) 720 feet along shore NNW of Blackwalnut Pt.
	38.719185	-76.334084	(9) South side Knapps Narrows, 275 feet west of Rt. 33
	38.719967	-76.333054	(10) North side Knapps Narrows, 150 feet west of Rt. 33
	38.752529	-76.340332	(11) 1,500 feet NE of Green Marsh Pt.
	38.836365	-76.369392	(12) Kent Pt.
	38.989105	-76.330185	(13) 0.6 mile NE of where Rt. 50 W meets the Bay
	38.995991	-76.413185	(14) 500 feet SE of Moss Pond
	38.976032	-76.452377	(15) Greenbury Pt., 800 feet up east side from the tip
	38.946095	-76.455879	(16) Bay Ridge, near Bainbridge Ave
	38.90786	-76.46624	(17) Southern shore of Thomas Pt. Park
	38.848892	-76.493805	(18) Felicity Cove, 250 feet north of Bay Rd.
<i>(f) Lower Central Chesapeake Bay (CB5MH):</i>	37.889451	-76.236198	(1) Smith Pt.
<i>Designated Uses Present in Segment:</i>	37.88568	-76.229038	(2) MD/VA State Line-2500' SW of Smith Pt.
<i>Shallow Water Submerged Aquatic Vegetation Use: April 1 to October 30, inclusive</i>	37.941404	-76.083908	(3) MD/VA State Line-2.25 miles west of Smith Gut Pt.
<i>Application Depth: 2.0 meters, NGZ present</i>	38.05191	-76.128838	(4) 7,000 feet N and 2,500 feet W of Fog Pt., Smith Island
<i>Open Water Fish and Shellfish Use: January 1 to December 31, inclusive</i>	38.231445	-76.135773	(5) Lower Hooper I. between Nancys and Creek Pts.
<i>Seasonal Deep Water Fish and Shellfish Use: Upper pycnocline to lower pycnocline from June 1 to September 30, inclusive</i>	38.248581	-76.153191	(6) Lower Hooper Island, NE end of The Thorofare
<i>Seasonal Deep Channel Refuge Use: Lower pycnocline boundary to bottom from June 1 to September 30, inclusive</i>	38.248642	-76.154419	(7) Middle Hooper Island, NW end of The Thorofare

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<i>Shellfish Harvest: See §U(2)(g) of this regulation</i>	38.295982	-76.204597	(8) NW tip of Middle Hooper I. across from Ferry Pt.
	38.298965	-76.206718	(9) Ferry Pt.
	38.348228	-76.227264	(10) Drawbridge, northern Upper Hooper Island
	38.349953	-76.227982	(11) Drawbridge, southern Meekins Neck
	38.393951	-76.282532	(12) Meekins Neck, 800 feet north of Cattail Island
	38.384819	-76.381432	(13) Cove Pt.
	38.319176	-76.42099	(14) Drum Pt.
	38.304638	-76.421448	(15) Fishing Pt.
	38.038605	-76.321442	(16) Point Lookout
	37.909725	-76.263702	(17) East of Ophelia, 300 feet NW of light
<i>(g) Shellfish Harvest Subcategory. All waters of the Chesapeake Bay Proper From the Susquehanna River mouth to the Virginia State line, including the tidal waters of the Chesapeake Bay bounded generally by the shoreline of the Bay and by "zero river mile" lines of estuaries and tributaries to the Bay, as designated by the Department of the Environment, and any peripheral waters designated as part of the Chesapeake Bay Proper by the Department of the Environment after consultation with the Tidewater Administration and the Forest, Park and Wildlife Service.</i>			
<i>(3) Class III: None.</i>			
<i>(4) Class III-P: None.</i>			
<i>(5) Class IV: None.</i>			
<i>(6) Class IV-P: None.</i>			

.11 General Water Quality Certifications.

- A. (text unchanged)
- B. General Water Quality Certification (GWQC) for the Installation of Utility Lines.
 - (1)—(3) (text unchanged)
 - (4) Construction Specifications.
 - (a)—(e) (text unchanged)
 - (f) To protect important aquatic species, in-stream work is prohibited as determined by the use designation of the stream, as follows:
 - (i) [Use] Class I and [Use] Class I-P Waters. In-stream work may not be conducted during the period March 1 through June 15, inclusive, during any year.
 - (ii) [Use] Class II Waters. In-stream work may not be conducted during the period June 1 through September 30 or December 16 through March 14, inclusive, during any year.
 - (iii) [Use] Class III and [Use] Class III-P Waters. In-stream work may not be conducted during the period October 1 through April 30, inclusive, during any year.
 - (iv) [Use] Class IV and [Use] Class IV-P Waters. In-stream work may not be conducted during the period March 1 through May 31, inclusive, during any year.
 - (g)—(h) (text unchanged)
 - (5)—(6) (text unchanged)

- caused by normal corrosion and erosion from a facility's water distribution piping and appurtenances or associated with intake water from a municipal drinking water supply, if:
 - (a)—(d) (text unchanged)
 - (e) The discharger's receiving water body for the discharge is not a [Use] Class III or [Use] Class III-P water.
 - (2) (text unchanged)
- D. (text unchanged)

.04 Sewage Treatment Works.

- A.—B. (text unchanged)
- C. Level of Required Treatment.
 - (1) (text unchanged)
 - (2) Special Treatment Requirements for Discharge to Shellfish Harvesting Waters.
 - (a) Treatment sufficient to afford protection for shellfish harvesting waters shall be required for all sewage treatment works discharging into [Use] Class II waters.
 - (b)—(c) (text unchanged)
 - (3)—(4) (text unchanged)

ROBERT M. SUMMERS, Ph.D.
Secretary of the Environment

26.08.04 Permits

Authority: Environment Article, §§1-601—1-606, 9-313, 9-315, 9-323—9-328, and 9-330; Annotated Code of Maryland

.02-1 Discharge Permit Limits.

- A.—B. (text unchanged)
- C. Corrosion and Erosion.
 - (1) Reasonable Potential. A discharger will not be found to cause, have the reasonable potential to cause, or contribute to an exceedance of a numerical water quality standard for a pollutant