

ANNEX A

TITLE 25. ENVIRONMENTAL PROTECTION
PART I. DEPARTMENT OF ENVIRONMENTAL PROTECTION
Subpart C. PROTECTION OF NATURAL RESOURCES
ARTICLE II. WATER RESOURCES

CHAPTER 93. WATER QUALITY STANDARDS

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GENERAL PROVISIONS

§ 93.1. Definitions.

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

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[Critical use—The most sensitive designated or existing use the criteria are designed to protect.]

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Point source discharge—A pollutant source regulated under the National Pollutant Discharge Elimination System (NPDES) as defined in § [92.1] 92a.2 (relating to definitions).

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ANTIDegradation REQUIREMENTS

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§ 93.4c. Implementation of antidegradation requirements.

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(b) *Protection of High Quality and Exceptional Value Waters*

(1) *Point source discharges.* The following applies to point source discharges to High Quality or Exceptional Value Waters.

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(ii) *Public participation requirements for discharges to High Quality or Exceptional Value Waters.* The following requirements apply to discharges to High Quality or Exceptional Value Waters, as applicable:

(A) The Department will hold a public hearing on a proposed new, additional or increased discharge to Exceptional Value Waters when requested by an interested person on or before the termination of the public comment period on the discharge.

(B) For new or increased point source discharges, in addition to the public participation requirements in §§ [92.61, 92.63 and 92.65] 92a.81, 92a.82, 92a.83, 92a.85 (relating to public notice of permit application and public hearing; public access to information; and notice to other government agencies), the applicant shall identify the antidegradation classification of the receiving water in the notice of complete application in § [92.61(a)] 92a.86 (relating to notice of issuance or final action on a permit).

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(c) *Special provisions for sewage facilities in High Quality or Exceptional Value Waters.*

(1) *SEJ approval in sewage facilities planning and approval in High Quality Waters.* A proponent of a new, additional, or increased sewage discharge in High Quality Waters shall include an SEJ impact analysis as part of the proposed revision or update to the official municipal sewage facilities plan under Chapter 71 (relating to administration of sewage facilities planning program). The Department will make a determination regarding the consistency of the SEJ impact analysis with subsection (b)(1)(iii). The determination will constitute the subsection (b)(1)(iii) analysis at the National Pollutant Discharge Elimination System (NPDES) permit review stage under Chapter 92a (relating to National Pollutant Discharge Elimination System permitting, monitoring and compliance), unless there is a material change in the project or law between sewage facilities planning and NPDES permitting, in which case the proponent shall recommence sewage facilities planning and perform a new social or economic justification impact analysis.

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§ 93.4d. Processing of petitions, evaluations and assessments to change a designated use.

(a) *Public notice of receipt of [evaluation] petition, or assessment of waters, for High Quality or Exceptional Value Waters redesignation.* The Department will publish in the *Pennsylvania Bulletin* and **[in a local newspaper of general circulation] by other means designed to effectively reach a wide audience**, notice of receipt of a complete **[evaluation] petition** which has been accepted by the EQB recommending a High Quality or Exceptional Value Waters redesignation, or notice of the Department's intent to assess surface waters for potential redesignation as High Quality or Exceptional Value Waters. The assessments may be undertaken in response to a petition or on the Department's own initiative. The notice will request submission of information concerning the water quality of the waters subject to the evaluation, or to be assessed, for use by the Department to supplement any studies which have been performed. The Department will send a copy of the notice to all municipalities containing waters subject to the **[evaluation] petition** or assessment.

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§ 93.7. Specific water quality criteria.

(a) Table 3 displays specific water quality criteria and associated critical uses. The criteria associated with the Statewide water uses listed in § 93.4, Table 2 apply to all surface waters, unless a specific exception is indicated in § 93.9a—93.9z. **These exceptions will be indicated on a stream-by-stream or segment-by-segment basis by the words**

“Add” or “Delete” followed by the appropriate symbols described elsewhere in this chapter. Other specific water quality criteria apply to surface waters as specified in § § 93.9a—93.9z. All applicable criteria shall be applied in accordance with this chapter, Chapter 96 (relating to water quality standards implementation) and other applicable State and Federal laws and regulations.

TABLE 3

<i>Parameter</i>	<i>Symbol</i>	<i>Criteria</i>	<i>Critical Use*</i>

Chloride	Ch ₁	Maximum 250 mg/L	PWS
	<u>Ch₂</u>	<p><u>Shall not exceed, in freshwater, the concentration calculated (in mg/L) by the following equations:</u></p> <p><u>1 hour average Criteria Maximum Concentration (CMC) criterion:</u> $\text{CMC} = \frac{287.8(\text{Hardness})^{0.205797}(\text{Sulfate})}{0.07452}$</p> <p><u>4 day average Criteria Continuous Concentration (CCC) criterion:</u> $\text{CCC} = \frac{177.87(\text{Hardness})^{0.205797}(\text{Sulfate})}{0.07452}$</p> <p>Hardness (in mg/L as CaCO₃) and sulfate (in mg/L) values shall be based on receiving water natural quality.</p>	<u>CWF, WWF, TSF, MF</u>

Dissolved Oxygen		The following specific dissolved oxygen criteria recognize the natural process of stratification in lakes, ponds and impoundments. These criteria apply to flowing [waters] freshwater and to the epilimnion of a naturally stratified lake, pond or impoundment. The hypolimnion in a naturally stratified lake, pond or impoundment is protected by the narrative water quality criteria in §93.6 (relating to general water quality criteria). For nonstratified lakes, ponds or impoundments, the dissolved oxygen criteria apply throughout the lake, pond or impoundment to protect the critical uses.	

	DO ₁	For flowing waters, [minimum daily] 7-day average 6.0 mg/l; minimum 5.0 mg/l. <u>For naturally reproducing Salmonid early life stages, 7-day average 9.0 mg/l; minimum 8.0 mg/l, in accordance with (b).</u> For lakes, ponds and impoundments, minimum 5.0 mg/l.	CWF [HQ- WWF] [HQ-TSF]
	DO ₂	[Minimum daily average 5.0 mg/l; minimum 4.0 mg/l.] 7-day average 5.5 mg/l; minimum 5.0 mg/l.	WWF
	DO ₃	For the period February 15 to July 31 of any year, [minimum daily] 7-day average 6.0 mg/l; minimum 5.0 mg/l. For the remainder of the year, [minimum daily] 7-day average [5.0] 5.5 mg/l; minimum [4.0] 5.0 mg/l.	TSF
	[DO ₄	Minimum 7.0 mg/l.	HQ- CWF]
		* * * * *	
Sulfate	Sul ₁	Maximum 250 mg/L	PWS
	<u>Sul₂</u>	<u>Shall not exceed the result of the appropriate hardness and chloride based conditional numeric limits (in mg/L sulfate) as described below. Hardness (in mg/L as CaCO₃) and chloride (in mg/L) values used in the determination of the sulfate water quality standard shall be based on receiving water natural quality.</u>	<u>CWF, WWF, TSF, MF</u>
		<u>A.) 500 mg/L, if the hardness concentration is less than 100 mg/L, or chloride concentration is less than 5 mg/L.</u>	
		<u>B.) The result of the following equations (in mg/L sulfate) when the hardness value is greater than or equal to 100 mg/L, but less than or equal to 500 mg/L:</u>	
		<u>1.) if the chloride value is greater than or equal to 5 mg/L, but less than 25 mg/L:</u> <u>S = [-57.478 + 5.79 (hardness) + 54.163 (chloride)] * 0.65</u> <u>where, S = sulfate concentration; or</u>	
		<u>2.) if the chloride value is greater than or equal to 25 mg/L:</u>	

$$S = [1276.7 + 5.508 (\text{hardness}) - 1.457 (\text{chloride})] * 0.65$$

where, S = sulfate concentration

C.) 2,000 mg/L, if the hardness concentration is greater than 500 mg/L and the chloride concentration is 5 mg/L or greater.

Temperature

Maximum temperatures in the receiving water body resulting from heated waste sources regulated under Chapters [92] 92a, 96 and other sources where temperature limits are necessary to protect designated and existing uses. Additionally, these wastes may not result in a change by more than 2°F during a 1-hour period.

See the following

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(b) [Table 4 contains specific water quality criteria that apply to the water uses to be protected. When the symbols listed in Table 4 appear in the Water Uses Protected column in § § 93.9a—93.9z, they have the meaning listed in the second column of Table 4. Exceptions to these standardized groupings will be indicated on a stream-by-stream or segment-by-segment basis by the words “Add” or “Delete” followed by the appropriate symbols described elsewhere in this chapter.]

TABLE 4

<i>Symbol</i>	<i>Water Uses Protected</i>	<i>Specific Criteria</i>
WWF	Statewide list	DO ₂ and Temp ₂
CWF	Statewide list plus Cold Water Fish	DO ₁ and Temp ₁
TSF	Statewide list plus Trout Stocking	DO ₃ and Temp ₃
HQ-WWF	Statewide list plus High Quality Waters	DO ₁ and Temp ₂
HQ-CWF	Statewide list plus High Quality Waters and Cold Water Fish	DO ₄ and Temp ₁
HQ-TSF	Statewide list plus High Quality Waters and Trout Stocking	DO ₁ and Temp ₃
EV	Statewide list plus Exceptional Value Waters Existing quality]	

For naturally reproducing Salmonids, protected early life stages include: all embryonic and larval stages and all juvenile forms to 30 days after hatching. The DO₁ standard for

naturally reproducing Salmonid early life stages shall apply during October 1 through May 31.

The DO₁ standard for naturally reproducing Salmonid early life stages applies unless it can be demonstrated to the Department's satisfaction, that the following conditions are documented: 1) the absence of young of the year Salmonids measuring less than 150 mm in the surface water; and 2) the absence of multiple age classes of Salmonids in the surface water. These conditions shall only apply to Salmonids resulting from natural reproduction occurring in the surface waters. Additional biological information may be considered by the Department which evaluates the presence or absence of early life stages.

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§ 93.8b. Metals criteria.

Dissolved criteria are footnoted in Table 5, and have been developed by applying the most current EPA conversion factors to the total recoverable criteria. The EPA factors are listed in the following Conversion Factors Table.

Conversion Factors Table

	<i>Chronic</i>	<i>Acute</i>	<i>Source</i>
Arsenic	1.000 (As3+)	1.000 (As3+)	1,2
Cadmium	1.101672- (ln[H] x 0.041838)	1.136672- (ln[H] x 0.041838)	2
<u>Chromium III</u>	<u>.860</u>	<u>.316</u>	<u>1,2</u>
Chromium VI	0.962	0.960	1, 2

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§ 93.8c. Human health and aquatic life criteria for toxic substances.

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TABLE 5

WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES

<i>PP NO</i>	<i>Chemical Name</i>	<i>CAS Number</i>	<i>Fish and Aquatic Life Criteria</i>		<i>Human Health Criteria (ug/L)</i>
			<i>Criteria Continuous Concentrations (ug/L)</i>	<i>Criteria Maximum Concentration (ug/L)</i>	
* * * * *					
9A	PENTACHLORO-PHENOL	00087865	Exp(1.005x[pH]-5.134)	Exp(1.005x[pH]-4.869)	0.27 CRL

		@pH= 6.5 7.8 9.0 Crit= 4.1 15 50	@pH= 6.5 7.8 9.0 Crit= 5.3 19 65		
10A	PHENOL	00108952 N/A	N/A	[21000] 10400	H
11A	2,4,6- TRICHLOROPHENOL	00088062 91	460	1.4	CRL
1V	ACROLEIN	00107028 [1] 3.0	[5] 3.0	[190] 6.0	H
2V	ACRYLONITRILE	00107131 130	650	0.051	CRL

26V	1,2 trans-DICHLORO- ETHYLENE	00156605 1400	6800	140	H
=	<u>1,2 cis-DICHLORO- ETHYLENE</u>	<u>00156592 N/A</u>	<u>N/A</u>	<u>12</u>	<u>H</u>
27V	1,1,1-TRICHLORO- ETHANE	00071556 610	3000	N/A	-

—	ACETONE	00067641 86000	450000	3500	H
==	<u>ACRYLAMIDE</u>	<u>00079061 N/A</u>	<u>N/A</u>	<u>0.07</u>	<u>CRL</u>
—	ALUMINUM	07429905 N/A	750	N/A	-
—	BARIUM	07440393 4100	21000	2400	H
==	<u>BENZENE METADISULFONIC ACID</u>	<u>00098486 1600000</u>	<u>2600000</u>	<u>N/A</u>	<u>:</u>
==	<u>BENZENE MONOSULFONIC ACID</u>	<u>00098113 1200000</u>	<u>2000000</u>	<u>N/A</u>	<u>:</u>
==	<u>BENZYL CHLORIDE</u>	<u>00100447 N/A</u>	<u>N/A</u>	<u>0.2</u>	<u>CRL</u>
—	BORON	07440428 1600	8100	3100	H
==	<u>2-BUTOXY ETHANOL</u>	<u>00111762 N/A</u>	<u>N/A</u>	<u>700</u>	<u>H</u>
—	COBALT	07440484 19	95	N/A	-
—	p-CRESOL	00106445 160	800	N/A	-
==	<u>CYCLOHEXYLAMINE</u>	<u>00108918 N/A</u>	<u>N/A</u>	<u>1000</u>	<u>H</u>
==	<u>1,4-DIOXANE</u>	<u>00123911 N/A</u>	<u>N/A</u>	<u>0.35</u>	<u>CRL</u>
—	DIAZINON	<u>00333415</u> 0.17	0.17	N/A	-
—	FORMALDEHYDE	00050000 440	2200	700	H
—	2-HEXANONE	00591786 4300	21000	N/A	-
—	LITHIUM	07439932 N/A	N/A	N/A	-
—	METHYLETHYL	00078933 32000	230000	21000	H

KETONE						
—	METHYLISO-BUTYL KETONE	00108101 5000		26000	N/A	-
—	METOLACHLOR	51218452 NA		NA	69	H
==	<u>MOLYBDENUM</u>	<u>7439987 1900</u>		<u>6000</u>	<u>210</u>	<u>H</u>
==	<u>NONYLPHENOL</u>	<u>00104405 6.6</u>		<u>28</u>	<u>N/A</u>	<u>:</u>
==	<u>P-PHENOL SULFONIC ACID</u>	<u>00098679 1400000</u>		<u>3500000</u>	<u>N/A</u>	<u>:</u>
—	I-PROPANOL	00071238 46000		230000	N/A	-
—	2-PROPANOL	00067630 89000		440000	N/A	-
==	<u>RESORCINOL</u>	<u>01084603 7200</u>		<u>28000</u>	<u>2700</u>	<u>H</u>
==	<u>STRONTIUM</u>	<u>07440246 N/A</u>		<u>N/A</u>	<u>4000</u>	<u>H</u>
—	1,2,3-TRICHLORO- PROPANE	00096184 N/A		N/A	210	H
==	<u>1,2,4- TRIMETHYLBENZENE</u>	<u>00095636 N/A</u>		<u>N/A</u>	<u>72</u>	<u>H</u>
==	<u>1,3,5- TRIMETHYLBENZENE</u>	<u>00108678 N/A</u>		<u>N/A</u>	<u>72</u>	<u>H</u>
—	XYLENE	01330207 210		1100	70000	H

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§ 93.8d. Development of site-specific water quality criteria.

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f) If the Department determines that site-specific criteria are appropriate in accordance with subsection (a), the Department will do the following:

(1) Publish the site-specific criterion in the *Pennsylvania Bulletin*, along with other special conditions under [§ 92.61(a)(5)] §§ 92a.82 and 92a.83 (relating to public notice of permit application; and public hearing) and provide for public participation and public hearing in accordance with § [92.61 and § § 92.63 and 92.65] 92a.81, 92a.82, 92a.83 and 92a.85 (relating to public access to information; and notice to other government agencies).

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DESIGNATED WATER USES AND WATER QUALITY CRITERIA

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§ 93.9b. Drainage List B.

Delaware River Basin in Pennsylvania

Lackawaxen River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
1—Delaware River				
2—Lackawaxen River				
3—West Branch Lackawaxen River	Basin, Source to Prompton Reservoir	Wayne	HQ-CWF, MF	None
3—West Branch Lackawaxen River	Main Stem, Prompton Reservoir to Confluence with [Dyberry Creek]	Wayne	HQ-TSF, MF	None
	<u>Lackawaxen River and Van Auken Creek</u>			
4— [Unnamed] Tributaries to West Branch Lackawaxen River	Basins, Prompton Reservoir to Confluence with [Dyberry Creek]	Wayne	HQ-CWF, MF	None
	<u>Lackawaxen River and Van Auken Creek</u>			
[4] <u>3</u> —Van Auken Creek	Basin	Wayne	HQ-TSF, MF	None
<u>2—Lackawaxen River</u>	<u>Mainstem, confluence of West Branch Lackawaxen River and Van Auken Creek to Dyberry Creek</u>	<u>Wayne</u>	<u>HQ-TSF, MF</u>	<u>None</u>
<u>3—Tributaries to Lackawaxen River</u>	<u>Basins, confluence of West Branch Lackawaxen River and Van Auken Creek to Dyberry Creek</u>	<u>Wayne</u>	<u>HQ-CWF, MF</u>	<u>None</u>
3—Dyberry Creek				
4—West Branch Dyberry Creek	Basin	Wayne	HQ-CWF, MF	None
4—East Branch Dyberry Creek	Basin	Wayne	EV, MF	None
3—Dyberry Creek	Basin, Confluence of West Branch Dyberry Creek and East Branch Dyberry Creek to Big Brook	Wayne	HQ-CWF, MF	None
4—Big Brook	Basin	Wayne	EV, MF	None
3—Dyberry Creek	Basin, Big Brook to Mouth	Wayne	HQ-CWF, MF	None
2—Lackawaxen River	Main Stem, [Confluence of West Branch	Wayne	HQ-TSF, MF	None

3—[Unamed] Tributaries to Lackawaxen River	Lackawaxen River and] Dyberry Creek to Mouth	Wayne	HQ-CWF, MF	None
	Basins, [Confluence of West Branch Lackawaxen River and] Dyberry Creek to [Mouth]			
	<u>Wallenpaupack Creek Basin</u>	Wayne	HQ-CWF, MF	None
[3—Carley Brook	Basin	Wayne	HQ-CWF, MF	None]
3—Middle Creek	Basin	Wayne	HQ-CWF, MF	None]
3—Wallenpaupack Creek	Basin, Source to Lake Wallenpaupack Dam	Wayne-Pike	HQ-CWF, MF	None
3—Wallenpaupack Creek	Basin, Lake Wallenpaupack Dam to Mouth	Wayne-Pike	HQ-WWF, MF	None
<u>3-Tributaries to Lackawaxen River</u>	<u>Wallenpaupack Creek to Mouth</u>	<u>Pike</u>	<u>HQ-CWF, MF</u>	<u>None</u>
[3—Swamp Brook	Basin	Pike	HQ-CWF, MF	None
3—Tinkwig Creek	Basin	Pike	HQ-CWF, MF	None
3—Decker Creek	Basin	Pike	HQ-CWF, MF	None
3—Teedyuskung Creek	Basin	Pike	HQ-CWF, MF	None
3—Blooming Grove Creek	Basin	Pike	HQ-CWF, MF	None
3—Little Blooming Grove Creek	Basin	Pike	HQ-CWF, MF	None
3—Grassy Island Creek	Basin	Pike	HQ-CWF, MF	None
3—Kirkham Creek	Basin	Pike	HQ-CWF, MF	None
3—West Falls Creek	Basin	Pike	HQ-CWF, MF	None
3—Mill Creek	Basin	Pike	HQ-CWF, MF	None
3—O'Donnell Creek	Basin	Pike	HQ-CWF, MF	None
3—Lords Creek	Basin	Pike	HQ-CWF, MF	None]

§ 93.9c. Drainage List C.
 Delaware River Basin in Pennsylvania
 Delaware River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
		* * * * *		
3—Pine Mountain Run	Basin	Monroe	HQ-CWF, MF	None
<u>3—Leas Run</u>	<u>Basin</u>	<u>Monroe</u>	<u>HQ-CWF,</u> <u>MF</u>	<u>None</u>
3—Paradise Creek	<u>[Main Stem] Basin,</u> <u>source to Devils Hole</u> <u>Creek</u>	Monroe	HQ-CWF, MF	None
[4—Unnamed Tributaries to Paradise Creek	Basins	Monroe	HQ-CWF, MF	None]
4—Devils Hole Creek	Basin, Source to South Boundary of State Game Lands No. 221 (about 0.25 mile north of Erie- Lackawanna R. R.)	Monroe	EV, MF	None
4—Devils Hole Creek	Basin, South Boundary of State Game Lands No. 221 to Mouth	Monroe	HQ-CWF, MF	None
<u>3—Paradise Creek</u>	<u>Basin, Devils Hole</u> <u>Creek to Mouth</u>	<u>Monroe</u>	<u>HQ-CWF,</u> <u>MF</u>	<u>None</u>
[4—Yankee Run	Basin	Monroe	HQ-CWF, MF	None
4—Swiftwater Creek	Basin	Monroe	HQ-CWF, MF	None
4—Cranberry Creek	Basin	Monroe	HQ-CWF, MF	None
4—Butz Run	Basin	Monroe	HQ-CWF, MF	None]
3—Michael Creek	Basin	Monroe	HQ-CWF, MF	None
		* * * * *		
3—McMichael Creek	Basin, T434 to Pocono Creek	Monroe	HQ-CWF, MF	None
4—Pocono Creek	[Main Stem	Monroe	HQ-CWF, MF	None

5—Unnamed Tributaries to Pocono Creek	Basins	Monroe	HQ-CWF, MF	None]
5—Dry Sawmill Run	Basin, <u>Source to Sand Spring Run</u>	Monroe	HQ-CWF, MF	None
[5]6—Sand Spring Run	Basin	Monroe	EV, MF	None
<u>5—Dry Sawmill Run</u>	<u>Basin, Sand Spring Run to confluence with Wolf Swamp Run</u>	<u>Monroe</u>	<u>HQ-CWF, MF</u>	<u>None</u>
5—Wolf Swamp Run	Basin, <u>Source to a Confluence Point (41°3'35.2" N; 75°22'2.4"W) approximately 185 meters upstream of the mouth</u>	Monroe	EV, MF	None
<u>5—Wolf Swamp Run</u>	<u>Basin, Point of Confluence (41°3'35.2" N; 75°22'2.4"W) Downstream to Confluence with Dry Sawmill Run</u>	<u>Monroe</u>	<u>HQ-CWF, MF</u>	<u>None</u>
<u>4—Pocono Creek</u>	<u>Basin, Confluence of Dry Sawmill Run and Wolf Swamp Run to Mouth</u>	<u>Monroe</u>	<u>HQ-CWF, MF</u>	<u>None</u>
[5—Scot Run	Basin	Monroe	HQ-CWF, MF	None
5—Bulgers Run	Basin	Monroe	HQ-CWF, MF	None
5—Cranberry Creek	Basin	Monroe	HQ-CWF, MF	None
5—Reeders Run	Basin	Monroe	HQ-CWF, MF	None
5—Wigwam Run	Basin	Monroe	HQ-CWF, MF	None
5—Flagler Run	Basin	Monroe	HQ-CWF, MF	None
5—Big Meadow Run	Basin	Monroe	HQ-CWF, MF	None]
3—[McMichaels] <u>McMichael</u> Creek	Basin, Pocono Creek to Mouth	Monroe	TSF, MF	None

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2—Slateford Creek	Basin, Source to T 73 <u>5</u> [4] Bridge	Northampton	EV, MF	None
2—Slateford Creek	Basin, T 73 <u>5</u> [4] Bridge to Mouth	Northampton	CWF, MF	None

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§ 93.9d. Drainage List D.

Delaware River Basin in Pennsylvania

Lehigh River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
3—Saucon Creek	Main Stem, Black River to SR 412 Bridge	Northampton	HQ-CWF, MF	None
4—Unnamed Tributaries to Saucon Creek	Basins, Black [Creek] River to SR 412 Bridge	Northampton	CWF, MF	None
3—Saucon Creek	Basin, SR 412 Bridge to Mouth	Northampton	CWF, MF	None

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§ 93.9e. Drainage List E.

Delaware River Basin in Pennsylvania

Delaware River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
3—Little Neshaminy Creek	Basin	Bucks	WWF, MF	<i>Add Tur₁</i>
3—Mill Creek	[Basin, Source to Watson Creek	Bucks	CWF, MF	<i>Add Tur₂</i>]
<u>4—Lahaska Creek</u>	<u>Basin</u>	<u>Bucks</u>	<u>CWF, MF</u>	<u><i>Add Tur₂</i></u>

* * * * *

4—Watson Creek	Basin	Bucks	CWF, MF	Add Tur ₂
3—Mill Creek	Basin, <u>Confluence of Lahaska Creek and Watson Creek to Mouth</u>	Bucks	WWF, MF	Add Tur ₁

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§ 93.9f. Drainage List F.
Delaware River Basin in Pennsylvania
Schuylkill River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
* * * * *				
3—Little Schuylkill River	Basin, Rattling Run to Mouth	Schuylkill	CWF, MF	None
2—Schuylkill River	Main Stem, Little Schuylkill River to <u>[Head of Tide] Valley Creek</u>	<u>[Philadelphia] Montgomery-Chester</u>	WWF, MF	None
3—Unnamed Tributaries to Schuylkill River	Basins, Little Schuylkill River to Berks-Chester-Montgomery County Border	Schuylkill-Berks	WWF, MF	None
* * * * *				
3—Monocacy Creek	Basin	Berks	WWF, MF	None
<u>3—Leaf Creek</u>	<u>Basin</u>	<u>Berks</u>	<u>WWF, MF</u>	<u>None</u>
3—UNT’s Schuylkill River	Basins (all UNT’s along Montgomery County shore), Berks-Chester- Montgomery County border to Valley Creek	Montgomery	WWF, MF	None
* * * * *				
3—Pickering Creek	Basin, Philadelphia Suburban Water	Chester	WWF, MF	None

	Company Dam to Mouth			
<u>3—Crossmans Run</u>	<u>Basin</u>	<u>Montgomery</u>	<u>WWF, MF</u>	<u>None</u>
3—Perkiomen Creek	Basin, Source to SR 1010 Bridge at Hereford	Berks	HQ-CWF, MF	None
* * * * *				
3—Valley Creek	Basin	Montgomery-Chester	EV, MF	None
[3—UNTs to Schuylkill River	Basins, Valley Creek to UNT 00926 at RM 18.9	Chester-Montgomery	WWF, MF	None
3—Trout Creek	Basin	Montgomery	WWF, MF	None
3—Indian Creek	Basin	Montgomery	WWF, MF	None
3—Crow Creek	Basin	Montgomery	WWF, MF	None]
<u>2—Schuylkill River</u>	<u>Basin, Valley Creek to Stony Creek</u>	<u>Montgomery</u>	<u>WWF, MF</u>	<u>None</u>
3—Stony Creek	Basin	Montgomery	TSF, MF	None
[3—Sawmill Run	Basin	Montgomery	WWF, MF	None
3—Diamond Run	Basin	Montgomery	WWF, MF	None
3—Gulph Creek	Basin	Montgomery	WWF, MF	None
3—Plymouth Creek	Basin	Montgomery	WWF, MF	None
3—Arrowmink Creek	Basin	Montgomery	WWF, MF	None]
<u>2--Schuylkill River</u>	<u>Basin, Stony Creek to UNT 00926</u>	<u>Montgomery</u>	<u>WWF, MF</u>	<u>None</u>
3—UNT 00926 at RM 18.9 (locally Spring Mill Run)	Basin	Montgomery	CWF, MF	None
[3—UNTs to Schuylkill River	Basins, UNT 00926 downstream to Head of Tide	Montgomery-Philadelphia	WWF, MF	None
3—Sawmill Run	Basin	Montgomery	WWF, MF	None]
<u>2—Schuylkill River</u>	<u>Basin, UNT 00926 downstream to Mill Creek</u>	<u>Montgomery-Philadelphia</u>	<u>WWF, MF</u>	<u>None</u>
3—Mill Creek	Basin	Montgomery	TSF, MF	None
[3—Gulley Run	Basin	Montgomery	WWF, MF	None]
<u>2—Schuylkill River</u>	<u>Basin, Mill Creek to Wissahickon Creek</u>	<u>Montgomery-Philadelphia</u>	<u>WWF, MF</u>	<u>None</u>
3—Wissahickon Creek	Basin	Philadelphia	TSF, MF	None
<u>2—Schuylkill River</u>	<u>Basin, Wissahickon Creek to Head of</u>	<u>Philadelphia</u>	<u>WWF, MF</u>	<u>None</u>

Tide

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§ 93.9g. Drainage List G.
Delaware River Basin in Pennsylvania
Delaware River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
* * * * *				
3—White Clay Creek				
4—East Branch White Clay [Branch] <u>Creek</u>	Basin, Source to Northern Border of Avondale Borough	Chester	EV, MF	None
4—East Branch White Clay Creek	Basin, Northern Border of Avondale Borough to Confluence with Middle Branch	Chester	CWF, MF	None
* * * * *				
5—Unnamed Tributaries to West Branch Brandywine Creek	Basins, T 437 Bridge to Dam at Valley Station (except those in West Brandywine Township)	Chester	TSF, MF	None
5—[Unnamed] Tributaries to West Branch Brandywine Creek	Basins, <u>all portions</u> in West Brandywine Township	Chester	HQ-TSF, MF	None
5—Birch Run	Basin, Source to Hibernia Park Dam	Chester	HQ-CWF, MF	None
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§ 93.9h. Drainage List H.
Susquehanna River Basin in Pennsylvania
Tioga River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
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2—Tioga River	Basin, Mill Creek to Crooked Creek	Tioga	CWF, MF	None
3—Crooked Creek	Basin, Source to [Catlin Hollow] Norris Brook	Tioga	WWF, MF	None
3—Crooked Creek	Main Stem, [Catlin Hollow] Norris Brook to Mouth	Tioga	WWF, MF	None
4—Unnamed Tributaries to Crooked Creek	Basins, [Catlin Hollow] Norris Brook to Mouth	Tioga	WWF, MF	None
4— [Catlin Hollow] Norris Brook	Basin	Tioga	TSF, MF	None
4—Sweet Hollow	Basin	Tioga	WWF, MF	None

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§ 93.9i. Drainage List I.
Susquehanna River Basin in Pennsylvania
Susquehanna River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
3—Alba Creek	Basin	Bradford	CWF, MF	None
<u>3—Beech Flats Creek</u>	<u>Basin</u>	<u>Bradford</u>	<u>CWF, MF</u>	<u>None</u>
<u>3—Wallace Brook</u>	<u>Basin</u>	<u>Bradford</u>	<u>CWF, MF</u>	<u>None</u>
<u>3—Gulf Brook</u>	<u>Basin</u>	<u>Bradford</u>	<u>CWF, MF</u>	<u>None</u>
3—North Branch Towanda Creek	Basin	Bradford	CWF, MF	None
3—Schrader Creek	Basin, Coal Run to Mouth	Bradford	HQ-CWF, MF	None
<u>3—French Run</u>	<u>Basin</u>	<u>Bradford</u>	<u>CWF, MF</u>	<u>None</u>
3—South Branch Towanda Creek	Basin	Bradford	CWF, MF	None

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§ 93.9k. Drainage List K.
Susquehanna River Basin in Pennsylvania
Susquehanna River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
* * * * *				
2—Toby Run	Basin	Montour	CWF, MF	None
[2—Sechler Run	Basin	Montour	CWF, MF	None]
2—Mahoning Creek	Main Stem, Source to PA 54 Bridge	Montour	TSF, MF	None
3—Unnamed Tributaries to Mahoning Creek	Basins, Source to PA 54 Bridge	Montour	CWF, MF	None
3—Kase Run	Basin	Montour	CWF, MF	None
3—Mausies Creek	Basin	Montour	CWF, MF	None
2—Mahoning Creek	Main Stem, PA 54 Bridge to Mouth	Montour	WWF, MF	None
3—Unnamed Tributaries to Mahoning Creek	Basin, PA 54 Bridge to Mouth	Montour	CWF, MF	None
<u>3—Sechler Run</u>	<u>Basin</u>	<u>Montour</u>	<u>CWF, MF</u>	<u>None</u>
2—Wilson Run	Basin	Northumberland	CWF, MF	None
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§ 93.9l. Drainage List L.
Susquehanna River Basin in Pennsylvania
West Branch Susquehanna River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
* * * * *				
4—Commissioners Run	Basin	Clinton	HQ-CWF, MF	None
4—[Grass Flats] <u>Wistar</u> Run	Basin	Clinton	HQ-CWF,	None

4—Moccasin Run (Moccasin Falls Run)	Basin	Clinton	MF HQ-CWF, MF	None
* * * * *				
4—Mill Creek	Basin	Tioga	HQ-CWF, MF	None
4—Roaring [Brook] Branch	Basin	Tioga	HQ-CWF, MF	None
4—Abbott Run	Basin	Lycoming	HQ-CWF, MF	None
* * * * *				
5—Mock Creek	Basin	Lycoming	HQ-CWF, MF	None
[5—Wolf Run	Basin, Source to Noon Branch	Lycoming	HQ-CWF, MF	None
6—Noon Branch Wolf Run	Basin	Lycoming	EV, MF	None
5—Wolf Run	Basin, Noon Branch to Mouth	Lycoming	HQ-CWF, MF	None]
<u>5—Noon Branch</u>	<u>Basin, Source to Wolf Run</u>	<u>Lycoming</u>	<u>EV, MF</u>	<u>None</u>
<u>6—Wolf Run</u>	<u>Basin</u>	<u>Lycoming</u>	<u>HQ-CWF, MF</u>	<u>None</u>
<u>5—Noon Branch</u>	<u>Basin, Wolf Run to Mouth</u>	<u>Lycoming</u>	<u>HQ-CWF, MF</u>	<u>None</u>
5—King Run	Basin, Source to Engle Run	Lycoming	HQ-CWF, MF	None
* * * * *				

§ 93.9m. Drainage List M.

Susquehanna River Basin in Pennsylvania *Susquehanna River*

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
* * * * *				
2—Penns Creek	Main Stem, Laurel Run to Mouth	Snyder	WWF, MF	None

[2—Penns Creek]

3—Unnamed Tributaries to Penns Creek	Basins, Laurel Run to RM 26.50	Union	CWF, MF	None
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3—Crab Run	Basin	Schuylkill	CWF, MF	None
3—Zerbe Run	Basin	[Schuylkill]	CWF, MF	None

Northumberland

3—Schwabens Creek	Basin	Northumberland	TSF, MF	None
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§ 93.9n. Drainage List N.
Susquehanna River Basin in Pennsylvania
Juniata River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
* * * * *				
5—Stone Creek	Basin, UNT 14908 to Mouth	Bedford	CWF, MF	None
5—Bobs Creek	Basin, Source to [Deep Hollow] Pavia Run	Bedford	HQ-CWF, MF	None
6— [Deep Hollow] Pavia Run	Basin	Bedford	HQ-CWF, MF	None
5—Bobs Creek	Basin, [Deep Hollow] Pavia Run to Mouth	Bedford	CWF, MF	None
5—Adams Run	Basin	Bedford	WWF, MF	None

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§ 93.9o. Drainage List O.
Susquehanna River Basin in Pennsylvania
Susquehanna River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
* * * * *				
3—Unnamed Tributaries to Conodoguinet Creek	Basins, PA 997 at Roxbury to Mouth	Franklin-Cumberland	WWF, MF	None
3—Muddy Run	Basin, <u>Source to Rowe Run</u>	Franklin	WWF, MF	None
[3—Keasey Run	Basin	Franklin	WWF, MF	None]
[3] 4—Rowe Run	Basin	Franklin	CWF, MF	None
<u>3—Muddy Run</u>	<u>Basin, Rowe Run to Mouth</u>	<u>Franklin</u>	<u>WWF, MF</u>	<u>None</u>
3—Middle Spring Creek	Basin	Franklin-Cumberland	CWF, MF	None
* * * * *				
3—Stoverstown Branch	Basin	York	WWF, MF	None
3—South Branch Codorus Creek	[Main Stem] <u>Basin, source to UNT from Glen Rock Valley at RM 16.85</u>	York	WWF, MF	None
[4—Unnamed Tributaries to South Branch Codorus Creek	Basins, Source to Unnamed Tributary from Glen Rock Valley at RM 16.06	York	WWF, MF	None]
4—[Unnamed Tributary] <u>UNT</u> to South Branch Codorus Creek Through Glen Rock Valley	Basin	York	CWF, MF	None
<u>3—South Branch Codorus Creek</u>	<u>Basin, UNT from Glen Rock Valley to East Branch Codorus Creek</u>	<u>York</u>	<u>WWF, MF</u>	<u>None</u>
[4—Unnamed Tributaries to South Branch Codorus Creek	Basins, Unnamed Tributary from Glen Rock Valley to Mouth	York	WWF, MF	None
4—Trout Run	Basin	York	WWF, MF	None
4—Foust Creek	Basin	York	WWF, MF	None
4—Centerville Creek	Basin	York	WWF, MF	None

4—Cherry Run	Basin	York	WWF, MF	None
4—Fishel Creek	Basin	York	WWF, MF	None]
4—East Branch Codorus Creek	Basin, Source to PA 214	York	HQ-CWF, MF	None
4—East Branch Codorus Creek	Basin, PA 214 to Inlet of Lake Redman	York	CWF, MF	None
4—East Branch Codorus Creek	Main Stem, Inlet of Lake Redman to Mouth	York	WWF, MF	None
5—[Unnamed Tributaries] UNTs to East Branch Codorus Creek	<u>Basins</u> , Inlet of Lake Redman to Mouth	York	CWF, MF	None
5—Inners Creek	Basin	York	CWF, MF	None
<u>3—South Branch Codorus Creek</u>	<u>Basin, East Branch Codorus Creek to Mouth</u>	<u>York</u>	<u>WWF, MF</u>	<u>None</u>
3—Willis Run	Basin	York	WWF, MF	None
* * * * *				
2—Pequea Creek	Main Stem, Source to PA 897	Lancaster	HQ-CWF, MF	None
3—Unnamed Tributaries to Pequea Creek	Basins, Source to PA 897	Lancaster	HQ-CWF, MF	None
<u>3—Indian Spring Run</u>	<u>Basin, Source to SR 10 Bridge</u>	<u>Chester</u>	<u>EV, MF</u>	<u>None</u>
<u>3—Indian Spring Run</u>	<u>Basin, SR10 to Confluence of UNT 07540 at RM 1.95</u>	<u>Lancaster</u>	<u>CWF, MF</u>	<u>None</u>
<u>4—UNT 07540 at RM 1.95 to Indian Spring Run</u>	<u>Basin, Source to SR10 Bridge</u>	<u>Chester</u>	<u>HQ-CWF, MF</u>	<u>None</u>
<u>4—UNT 07540 at RM 1.95 to Indian Spring Run</u>	<u>Basin, SR10 Bridge to Mouth</u>	<u>Lancaster</u>	<u>CWF, MF</u>	<u>None</u>
<u>3—Indian Spring Run</u>	<u>Basin, UNT 07540 to Mouth</u>	<u>Lancaster</u>	<u>CWF, MF</u>	<u>None</u>
2—Pequea Creek	Main Stem, PA 897 to Mouth	Lancaster	WWF, MF	None
3—Unnamed Tributaries to Pequea Creek	Basins, PA 897 to Eshleman Run	Lancaster	CWF, MF	None
[3—Indian Spring Run	Basin, Source to SR 10 Bridge	Chester	EV, MF	None

3—Indian Spring Run	Basin, SR10 to Confluence of UNT 07540 at RM 1.95	Lancaster	CWF, MF	None
4—UNT 07540 at RM 1.95 to Indian Spring Run	Basin, Source to SR10 Bridge	Chester	HQ-CWF, MF	None
4—UNT 07540 at RM 1.95 to Indian Spring Run	Basin, SR10 Bridge to Mouth	Lancaster	CWF, MF	None
3—Indian Spring Run	Basin, UNT 07540 to Mouth	Lancaster	CWF, MF	None]
3—White Horse Run	Basin	Lancaster	WWF, MF	None
* * * * *				
2—Peters Creek	Basin	Lancaster	HQ-WWF, MF	None
2—Haines [Run] <u>Branch</u>	Basin	Lancaster	HQ-WWF, MF	None
2—Michael Run	Basin (all sections in PA)	York	WWF, MF	None
* * * * *				

§ 93.9s. Drainage List S.
Ohio River Basin in Pennsylvania
Allegheny River

Stream	Zone	County	Water Uses Protected	Exceptions To Specific Criteria
* * * * *				
5—Reisinger Run	Basin	Clearfield	CWF	None
5—[Pent] <u>Pentz</u> Run	Basin	Clearfield	CWF	None
5—Beaver Run	Basin	Clearfield	CWF	None
* * * * *				
4—North Fork Redbank Creek	[Main Stem] <u>Basin</u> , Source to [Confluence with Sandy Lick Creek] <u>South Branch of North</u>	Jefferson	HQ-CWF	None

	<u>Fork Redbank Creek</u>	Jefferson	HQ-CWF	None
[5—Unnamed Tributaries to North Fork	Basins, Source to Confluence with Sandy Lick Creek			
5—Williams Run	Basin	Jefferson	HQ-CWF	None
5—Muddy Run	Basin	Jefferson	HQ-CWF	None
5—Bearpen Run	Basin	Jefferson	HQ-CWF	None
5—Manners Run	Basin	Jefferson	HQ-CWF	None
5—Mammy Hi Run	Basin	Jefferson	HQ-CWF	None
5—Lucas Run	Basin	Jefferson	HQ-CWF	None]
5—South Branch of North Fork Redbank Creek	Basin	Jefferson	EV	None
<u>4—North Fork Redbank Creek</u>	<u>Basin, South Branch of North Fork Redbank Creek to Shippen Run</u>	<u>Jefferson</u>	<u>HQ-CWF</u>	<u>None</u>
[5—Acy Run	Basin	Jefferson	HQ-CWF	None
5—Windfall Run	Basin	Jefferson	HQ-CWF	None
5—Clear Run	Basin	Jefferson	HQ-CWF	None
5—Miller Run	Basin	Jefferson	HQ-CWF	None]
5—Shippen Run	Basin	Jefferson	EV	None
<u>4—North Fork Redbank Creek</u>	<u>Basin, Shippen Run to Craft Run</u>	<u>Jefferson</u>	<u>HQ-CWF</u>	<u>None</u>
5—Craft Run	Basin	Jefferson	EV	None
<u>4—North Fork Redbank Creek</u>	<u>Basin, Craft Run to Mouth</u>	<u>Jefferson</u>	<u>HQ-CWF</u>	<u>None</u>
[5—Pekin Run	Basin	Jefferson	HQ-CWF	None
5—Red Lick Run	Basin	Jefferson	HQ-CWF	None
5—Sugarcamp Run	Basin	Jefferson	HQ-CWF	None]

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§ 93.9w. Drainage List W.
Ohio River Basin in Pennsylvania
Ohio River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
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3—Enlow Fork	Main Stem, Source to PA-WV State Border	Washington- Greene	TSF	None
4—[Unnamed] Tributaries to Enlow Fork	Basins, Source to [PA-WV State Border] <u>Templeton Fork</u>	Washington- Greene	WWF	None
[4—Boothe Run	<u>Basin</u>	Greene	WWF	None
4—Long Run	<u>Basin</u>	Washington	WWF	None]
4—Templeton Fork	Basin	Washington	TSF	None
<u>4—Tributaries to Enlow Fork</u>	<u>Basins,</u> <u>Templeton Fork</u> <u>to PA-WV State</u> <u>Border (all</u> <u>sections in PA)</u>	<u>Washington-</u> <u>Greene</u>	<u>WWF</u>	<u>None</u>
[4—Owens Run	<u>Basin</u>	Greene	WWF	None
4—Robinson Fork	<u>Basin</u>	Washington	WWF	None
4—Spottedtail Run	<u>Basin (all</u> <u>sections in PA)</u>	Washington	WWF	None]
3—Enlow Fork (WV)				

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§ 93.9z. Drainage List Z.

Potomac River Basin in Pennsylvania

Potomac River

Stream	Zone	County	Water Uses Protected	Exceptions to Specific Criteria
2—Antietam Creek (MD)				
3—Unnamed tributaries to Antietam Creek	Basins (all sections in PA), PA-MD State Border to Mouth	Franklin	WWF, MF	None
3—Marsh Run	Basin (all sections in PA)	Franklin	WWF, MF	None
<u>2—Monocacy River (MD)</u>				
3—Marsh Creek	Basin, Source to Willoughby Run	Adams	CWF, MF	None

4—Willoughby Run	Basin	Adams	WWF, MF	None
3—Marsh Creek	Basin, Willoughby Run to PA-MD State Border	Adams	CWF, MF	None
3—Marsh Creek MD				
4—Unnamed tributaries to Marsh Creek	Basins (all sections in PA) PA-MD State Border to [Mouth] <u>confluence with Marsh Creek and Monocacy River</u>	Adams	CWF, MF	None
3—Rock Creek	Basin (all sections in PA), <u>source to confluence with Marsh Creek and Monocacy River</u>	Adams	WWF, MF	None
3—Alloway Creek	Basin (all sections in PA)	Adams	WWF, MF	None
3—Cattail Branch	Basin (all sections in PA)	Adams	WWF, MF	None

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