

## FINAL DETERMINATION FOR THE STATE OF DELAWARE 2002 CLEAN WATER ACT SECTION 303(d) LIST OF WATERS NEEDING TMDLs

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME | SEGMENT                             | DESCRIPTION  | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S)    | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL   | TMDL AND<br>LISTING<br>STATUS |
|------------------------------|-------------------|-------------------------------------|--|------------------|---|--------------------------|----------------|--|-------------------------------|
| <b>Piedmont Basin</b>        |                   |                                     |  |                  |   |                          |                |  |                               |
| DE230-001-01<br>(0.30 miles) | Naamans Creek     | Lower Naamans<br>Creek              | From the mouth at the Delaware River, upstream to the first railroad bridge crossing   | 0.30 miles       | Bacteria                                | NPS                      | 1996           | 2004   |                               |
|                              |                   |                                     |  |                  | Nutrients                               |                          | 2002           |  |                               |
| DE230-001-02<br>(11.0 miles) | Naamans Creek     | North Branch<br>and South<br>Branch | Upper Naamans Creek, including all tributaries on the North Branch and South Branch  | 7.8 miles        | Nutrients, Bacteria                     | NPS                      | 1996           | 2004   |                               |
|                              |                   |                                     | First tributary after the headwaters of South Naamans Creek to the mainstem  | 1.15 miles       | Biology and Habitat                     | NPS                      | 1998           | 2009   |                               |
|                              |                   |                                     | From the confluence of Naamans Creek and West Branch Naamans Creek to the confluence of Naamans Creek and North Branch Naamans Creek | 0.56 miles       | Biology and Habitat                     | NPS                      | 1998           | 2009   |                               |
| DE300-001-01<br>(1.0 mile)   | Shellpot Creek    | Lower Shellpot<br>Creek             | From the head of tide below the east set of railroad tracks to the mouth of the Delaware River                                       | 1.0 mile         | Nutrients, DO                           | NPS<br>Delaware<br>River | 1996           | 2004<br>(Nutrients,<br>DO and<br>Bacteria)<br>2009<br>(PCBs,<br>Chlordane) |                               |
|                              |                   |                                     |  |                  | Bacteria, PCBs,<br>Chlordane            |                          | 2002           |  |                               |
| DE300-001-02 (14.2<br>miles) | Shellpot Creek    | Upper Shellpot<br>Creek             | From the headwaters to the head of tide below the east set of railroad tracks  | 7.7 miles        | Bacteria, Nutrients,                    | NPS                      | 1996           | 2004   |                               |
|                              |                   |                                     | Western tributary of the headwaters to the confluence of the next larger stream order  | 1.4 miles        | Biology and Habitat                     | NPS                      | 1998           | 2009   |                               |
|                              |                   |                                     | From the headwaters of Matson Run to the confluence with mainstem Shellpot Creek   | 1.3 miles        | Biology and Habitat                     | NPS                      | 1998           | 2009   |                               |

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|--------------------------------------|---------------------------|--|--|--------------------------|--|-------------------------------|------------------------|-------------------------------------|---|
| DE300-001-03<br>(7.6 miles)          | Shellpot Creek            | All other tributaries located in the watershed but NOT on the mainstem   | Western tributary of the headwaters of Stoney Creek to the confluence with mainstem Stoney Creek | 0.63 miles               | Habitat  | NPS                           | 1998                   | 2009                                |   |
|                                      |                           |  | From the confluence of the headwaters of Stoney Creek to the mouth of the Delaware River         | 1.2 miles                | Biology and Habitat                              | NPS                           | 1998                   | 2009                                |   |
| DE040-001<br>(3.8 miles)             | Brandywine Creek          | Lower Brandywine   | Mainstem Lower Brandywine  | 3.8 miles                | Nutrients and PCBs                               | PS, NPS, SF                   | 1996                   | 2009<br>(for PCBs)                  | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO  |
|                                      |                           |  |  |                          | Bacteria   | PS,NPS                        | 2002                   | 2004                                |   |
|                                      |                           |  |  |                          | Habitat  | NPS                           | 1998                   | 2009                                |   |
| DE040-002<br>(9.3 miles)             | Brandywine Creek          | Upper Brandywine   | From State Line to Wilmington  | 9.3 miles                | Bacteria, PCBs, and Nutrients                    | PS, NPS, SF                   | 1996                   | 2004<br>(for Bacteria)              | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO) |
|                                      |                           |  |  |                          | Dioxin   |                               | 2002                   | 2009<br>(for PCBs and Dioxin)       |   |
|                                      |                           |  | From State line to the confluence with the Christina River                                       | 8.0 miles                | Habitat  | NPS                           | 1998                   | 2009                                |   |
| DE040-003<br>(19.4 miles)            | Brandywine Creek          | All tributaries on Brandywine Creek from the headwaters at PA-DE line to the confluence with the Christina River | Eastern tributary of Beaver Creek, from headwaters to the confluence with mainstem Beaver Creek  | 0.96 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2009                                |   |
|                                      |                           |  | Tributary originating in Pennsylvania on the western side of Brandywine Creek                    | 0.26 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2009                                |   |
|                                      |                           |  | Tributary of Brandywine Creek, off Route 100 (near PA-DE border)                                 | 0.92 miles               | Habitat  | NPS                           | 1998                   | 2009                                |   |
|                                      |                           |  | Tributary of Brandywine Creek just below Beaver Creek  | 0.85 miles               | Habitat  | NPS                           | 1998                   | 2009                                |   |
|                                      |                           |  | Eastern tributary of the headwaters of Rocky Run( upper half)                                    | 1.16 miles               | Habitat  | NPS                           | 1998                   | 2009                                |   |

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|------------------------------|-------------------|---------------|--|------------------|---|-----------------------|----------------|--|--|
|                              |                   |               | Eastern tributary of the headwaters of Rocky Run( lower half )   | 1.16 miles       | Biology and Habitat                     | NPS                   | 1998           | 2009   |  |
|                              |                   |               | From the confluence of the headwaters of Wilson Run to the next larger stream order ( lower half )       | 0.64 miles       | Habitat                                 | NPS                   | 1998           | 2009   |  |
|                              |                   |               | From the confluence of the headwaters of Wilson Run to the next larger stream order ( upper half )       | 0.64 miles       | Biology and Habitat                     | NPS                   | 1998           | 2009   |  |
|                              |                   |               | Wilson Run, from start of the third order stream to the confluence with Brandywine Creek                 | 0.88 miles       | Biology                                 | NPS                   | 1998           | 2009   |  |
|                              |                   |               | Tributary of Wilson Run on Montchanin Road from the headwaters to the first confluence                   | 0.45 miles       | Habitat                                 | NPS                   | 1998           | 2009   |  |
| DE260-001<br>(12.8 miles)    | Red Clay Creek    | Mainstem      | From PA-DE line to the confluence with White Clay Creek  | 12.8 miles       | Bacteria, Nutrients, Zn and PCBs        | PS, NPS, SF           | 1996           | 2004<br>(for Bacteria)<br>2009<br>(for PCBs,<br>Dioxin and<br>Chlorinated<br>Pesticides) | TMDL<br>Established<br>1999 (for Zn)                   |
|                              |                   |               |  |                  | Dioxin, Chlorinated Pesticides          |                       | 2002           |  | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO |
|                              |                   |               | From the confluence of West Branch Red Clay Creek to the confluence with White Clay Creek ( lower half ) | 6.4 miles        | Habitat                                 | NPS                   | 1998           | 2009   |  |
|                              |                   |               | From the confluence of West Branch Red Clay Creek to the confluence with White Clay Creek ( upper half ) | 6.4 miles        | Biology and Habitat                     | NPS                   | 1998           | 2009   |  |
| DE260-002<br>(4.5 miles)     | Red Clay Creek    | Burroughs Run | From PA-DE line to the confluence with Red Clay Creek  | 2.6 miles        | Bacteria, Nutrients                     | NPS                   | 1996           | 2004<br>(for Bacteria)   | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO |

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|--------------------------------------|---------------------------|--|---|--------------------------|---|-------------------------------|------------------------|--|--|
|                                      |                           |  | From the confluence of the headwaters of Burroughs Run to the confluence with Red clay Creek                                    | 4.21 miles               | Biology   | NPS                           | 1998                   | 2009   |  |
| DE260-003<br>(10.3 miles)            | Red Clay Creek            | All other tributaries located in the watershed but NOT on the mainstem | Second tributary below Burroughs Run to the confluence with Red Clay Creek  | 1.4 miles                | Habitat   | NPS                           | 1998                   | 2009   |  |
|                                      |                           |  | Western tributary of the headwaters of Hyde Run to the confluence with the next larger stream order                             | 1.20                     | Biology and Habitat   | NPS                           | 1998                   | 2009   |  |
| DE260-L01<br>(200.0 acres)           | Red Clay Creek            | Reservoir  | Hoopes Reservoir  | 200.0 acres              | Bacteria  | PS, NPS                       | 1996                   | 2004   |  |
| DE320-001<br>(18.2 miles)            | White Clay Creek          | Mainstem   | From the PA-DE line to the confluence with the Christina River  | 15.6 miles               | Bacteria, Nutrients, Zn (below Paper Mill Road) and PCBs (River mouth to Paper Mill Road) | PS, NPS                       | 1996                   | 2004<br>(for Bacteria)<br>2009<br>(for PCBs) | TMDL<br>Established<br>1999 for Zn<br><br>TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO |
|                                      |                           |  | From the confluence of East Branch White Clay Creek and West Branch White Clay Creek to the confluence with the Christina River | 16.2 miles               | Biology and Habitat   | NPS                           | 1998                   | 2009   |  |
| DE320-002<br>(16.6 miles)            | White Clay Creek          | Mill Creek   | From the headwaters to the confluence with White Clay Creek   | 8.3 miles                | Bacteria, Nutrients   | NPS                           | 1996                   | 2004<br>(for Bacteria)                       | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO   |
|                                      |                           |  | From the confluence of the headwaters of Mill Creek to the confluence with the next larger stream order                         | 0.27 miles               | Biology and Habitat   | NPS                           | 1998                   | 2009   |  |
|                                      |                           |  | Second western tributary-<br>- From the headwaters of mainstem Mill Creek   | 0.04 miles               | Habitat   | NPS                           | 1998                   | 2009   |  |

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|--------------------------------------|---------------------------|----------------|---|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
|                                      |                           |                | From the confluence of the headwaters of Mill Creek to the confluence with White Clay Creek ( upper half )        | 1.64 miles               | Habitat  | NPS                           | 1998                   | 2009                                |  |
|                                      |                           |                | From the confluence of the headwaters of Mill Creek to the confluence with White Clay Creek ( lower half )        | 1.64 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2009                                |  |
| DE320-003<br>(9.4 miles)             | White Clay Creek          | Pike Creek     | From the headwaters to the confluence with White Clay Creek   | 5.4 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2004<br>(for Bacteria)              | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO |
|                                      |                           |                | Third eastern tributary after the headwaters of Pike Creek ( upper half )   | 0.21 miles               | Biology  | NPS                           | 1998                   | 2009                                |  |
|                                      |                           |                | Third eastern tributary after the headwaters of Pike Creek ( lower half )   | 0.21 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2009                                |  |
|                                      |                           |                | Second eastern tributary after the headwaters of Pike Creek   | 0.96 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2009                                |  |
|                                      |                           |                | From the confluence of the headwaters of Pike Creek to the confluence with White Clay Creek                       | 4.7 miles                | Biology and Habitat                              | NPS                           | 1998                   | 2009                                |  |
| DE320-004<br>(5.8 miles)             | White Clay Creek          | Muddy Run      | From the headwaters to the confluence with White Clay Creek   | 4.5 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2004<br>(for Bacteria)              | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO |
|                                      |                           |                | Eastern tributary of the headwaters of Muddy Run to the confluence of the next larger stream order ( upper half ) | 0.89 miles               | Biology  | NPS                           | 1998                   | 2009                                |  |
|                                      |                           |                | Eastern tributary of the headwaters of Muddy Run to the confluence of the next larger stream order ( lower half ) | 0.89 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2009                                |  |

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|------------------------------|-------------------|--|---|------------------|---|-----------------------|----------------|--|---|
|                              |                   |  | Western tributary of the headwaters of Muddy Run to the confluence with the mainstem                | 1.3 miles        | Habitat                                 | NPS                   | 1998           | 2009   |   |
| DE320-005<br>(14.2 miles)    | White Clay Creek  | All tributaries from the headwaters to the confluence with the Christina River | First tributary after State line to the confluence of White Clay Creek, along Thompson Station Road | 1.1 miles        | Habitat                                 | NPS                   | 1998           | 2009   |   |
|                              |                   |  | Tributary off The Hunt at Louviers  | 0.38 miles       | Biology                                 | NPS                   | 1998           | 2009   |   |
|                              |                   |  | Tributary off White Clay Creek that parallels Paper Mill Road-- Jennys Run                          | 0.38 miles       | Biology                                 | NPS                   | 1998           | 2009   |   |
|                              |                   |  | First tributary after Pike Creek--from the headwaters to the confluence with White Clay Creek       | 1.1 miles        | Habitat                                 | NPS                   | 1998           | 2009   |   |
| DE120-001<br>(1.5 miles)     | Christina River   | Lower Christina River  | Mainstem Lower Christina River  | 1.5 miles        | Nutrients, PCBs                         | NPS, SF               | 1996           | 2009<br>(PCBs)                               | TMDL Established 2001 for Nutrients and DO                    |
|                              |                   |  |   |                  | Bacteria, Dieldrin                      | PS,NPS                | 2002           | 2004<br>(Bacteria)<br>2009<br>(for Dieldrin) | DO, listed in 1996, Delisted 2002 based on 2002 305(b) report |
| DE120-002<br>(8.5 miles)     | Christina River   | Mid Christina River  | Between White Clay Creek and Brandywine River   | 7.5 miles        | Nutrients, PCBs                         | NPS, SF               | 1996           | 2009<br>(for PCBs)                           | TMDL Established 2001 for Nutrients and DO                    |
|                              |                   |  |   |                  | Bacteria                                | PS,NPS                | 2002           | 2004   |   |
| DE120-003<br>(6.9 miles)     | Christina River   | Upper Christina River  | Mainstem Upper Christina River  | 6.3 miles        | Nutrients, PCBs<br>Bacteria             | NPS, PS               | 1996           | 2004<br>(for Bacteria)<br>2009<br>(for PCBs) | TMDL Established 2001 for Nutrients and DO                    |

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|--------------------------------------|---------------------------|-----------------------|--|--------------------------|--|-------------------------------|------------------------|--|--|
|                                      |                           |                       | Segments from Smalley's Pond overflow to the confluence with White Clay Creek                  | 5.77 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2009   |  |
|                                      |                           |                       | Tributary downstream of Smalleys Pond on the Christina River                                   | 0.65 miles               | Biology  | NPS                           | 1998                   | 2009   |  |
| DE120-003-02<br>(3.1 miles)          | Christina River           | Lower Christina Creek | Tributary from Smalleys Pond overflow to White Clay Creek                                      | 1.0 mile                 | Biology and Habitat                              | NPS                           | 1998                   | 2009   | TMDL<br>Established<br>2001 for<br>Nutrients and<br>DO |
|                                      |                           |                       |  |                          | Nutrients, Bacteria<br>DO                        | NPS                           | 2002                   | 2004<br>(Bacteria)                           |  |
| DE120-004-01<br>(8.4 miles)          | Christina River           | Lower Christina Creek | Mainstem Lower Christina Creek   | 8.4 miles                | Bacteria, Nutrients,<br>and PCBs                 | NPS, SF                       | 1996                   | 2004<br>(for Bacteria)<br>2009<br>(for PCBs) | TMDL<br>Established<br>2001 for<br>Nutrients and<br>DO |
|                                      |                           |                       |  |                          | DO   | NPS                           | 2002                   |  |  |
|                                      |                           |                       | From the confluence of West Branch Christina River to the confluence with the mainstem         | 6.0 miles                | Biology and Habitat                              | NPS                           | 1998                   | 2009   |  |
| DE120-004-02<br>(5.6 miles)          | Christina River           | Belltown Run          | From the headwaters above Becks Pond to the confluence with the Christina River                | 3.8 miles                | Bacteria   | NPS                           | 1996                   | 2004   |  |
|                                      |                           |                       |  |                          | Nutrients, DO                                    | NPS                           | 2002                   | 2004   |  |
|                                      |                           |                       | Eastern tributary of the headwaters of Belltown Run to the confluence with the Christina River | 4.2 miles                | Biology and Habitat                              | NPS                           | 1998                   | 2009   |  |
|                                      |                           |                       | Western tributary of the headwaters of Belltown Run to its confluence                          | 0.88 miles               | Habitat  | NPS                           | 1998                   | 2009   |  |
| DE120-004-03<br>(13.1 miles)         | Christina River           | Muddy Run             | From the headwaters above Sunset Pond to the confluence with Belltown Run below Becks Pond     | 8.0 miles                | Bacteria   | NPS                           | 1996                   | 2004   |  |
|                                      |                           |                       | From the headwaters of Iron Hill Run to the next larger stream order                           | 2.3 miles                | Habitat  | NPS                           | 1998                   | 2009   |  |

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|--------------------------------------|---------------------------|--------------------------|--|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
|                                      |                           |                          | Eastern tributary of the headwaters of Iron Hill Run to the next larger stream order                                       | 0.71 miles               | Habitat  | NPS                           | 1998                   | 2009                                |  |
|                                      |                           |                          | Eastern tributary above Sunset Pond to the confluence of the next larger stream order                                      | 2.3 miles                | Biology  | NPS                           | 1998                   | 2009                                |  |
|                                      |                           |                          | Eastern tributary of the headwaters of Muddy Run to its confluence   | 0.63 miles               | Habitat  | NPS                           | 1998                   | 2009                                |  |
| DE120-005-01<br>(5.3 miles)          | Christina River           | West Branch              | West Branch including Persimmon Run and Stine Haskell Branch   | 5.3 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2004<br>(for Bacteria)              | TMDL<br>Established<br>2001 for<br>Nutrients and<br>DO |
| DE120-006<br>(10.8 miles)            | Christina River           | Upper Christina<br>Creek | Mainstem Upper Christina Creek   | 8.3 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2004<br>(for Bacteria)              | TMDL<br>Established<br>2001 for<br>Nutrients and<br>DO |
|                                      |                           |                          | From the confluence of the headwaters of Upper Christina River to the confluence of West Branch                            | 2.6 miles                | Biology and Habitat                              | NPS                           | 1998                   | 2009                                |  |
|                                      |                           |                          | First western tributary after the headwaters of the Upper Christina River to mainstem Upper Christina River ( upper half ) | 0.67 miles               | Habitat  | NPS                           | 1998                   | 2009                                |  |
|                                      |                           |                          | First western tributary after the headwaters of the Upper Christina River to mainstem Upper Christina River ( lower half ) | 0.67 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2009                                |  |



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|------------------------------|-------------------|-------------------------------------|---|------------------|---|-----------------------|----------------|--|---|
| DE120-007-01<br>(12.8 miles) | Christina River   | Little Mill Creek<br>and Willow Run | From the confluence of Willow Run and Chestnut Run to the confluence with the Christina River                       | 5.1 miles        | Bacteria, Nutrients, PCBs               | NPS                   | 1996           | 2004<br>(for Bacteria)<br>2009<br>(for PCBs) | TMDL<br>Established<br>2001 for<br>Nutrients and<br>DO<br><br>DO, listed in<br>1996, Delisted<br>2002 based on<br>2002 305(b)<br>report |
|                              |                   |                                     | First western tributary after the headwaters of Little Mill Creek to the confluence with mainstem Little Mill Creek | 1.4 miles        | Habitat                                 | NPS                   | 1998           | 2009   |   |
|                              |                   |                                     | From the headwaters of Willow Run to the confluence with the Christina River  | 0.54 miles       | Habitat                                 | NPS                   | 1998           | 2009   |   |
|                              |                   |                                     | From the confluence of the headwaters of Little Mill Creek to the confluence of Chestnut Run                        | 4.4 miles        | Biology and Habitat                     | NPS                   | 1998           | 2009   |   |
|                              |                   |                                     | Little Mill Creek--from the confluence of Chestnut Run to the confluence with the Christina River                   | 3.4 miles        | Biology and Habitat                     | NPS                   | 1998           | 2009   |   |
| DE120-007-02<br>(2.8 miles)  | Christina River   | Chestnut Run                        | From the headwaters of Chestnut Run to the confluence with the Christina River                                      | 2.8 miles        | Bacteria                                | NPS                   | 1996           | 2004   |   |
|                              |                   |                                     | Eastern tributary of the headwaters of Chestnut Run to the confluence of the next larger stream order               | 1.1 miles        | Habitat                                 | NPS                   | 1998           | 2009   |   |

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|                              |                            |  | Left tributary of the headwaters of Chestnut Run to the confluence of the next larger stream order | 0.43 miles       | Biology and Habitat                     | NPS                   | 1998           | 2009   |  |
| DE120-L01<br>(30.0 acres)    | Christina River            | Smalleys Pond  | Smalleys Pond east of Newark   | 30.0 acres       | Bacteria, Nutrients, PCBs               | NPS                   | 1996           | 2004<br>(for Bacteria and Nutrients)<br>2009<br>(for PCBs) |  |
| DE120-L02<br>(25.6 acres)    | Christina River            | Becks Pond   | Becks Pond southeast of Newark   | 25.6 acres       | Bacteria                                | NPS                   | 1996           | 2004<br>(for Bacteria)                                     | Nutrients, listed in 1996, Delisted 2002 based on 2002 305(b) report |
|                              |                            |  |  |                  | PCBs, Mercury                           | NPS                   | 2002           | 2009   |  |
| DE120-L03<br>(40.0 acres)    | Christina River            | Sunset Pond  | Sunset Pond south of Newark  | 40.0 acres       | Bacteria, DO                            | NPS                   | 1996           | 2004<br>(for DO and Nutrients, Bacteria)                   |  |
|                              |                            |  |  |                  | Nutrients                               | NPS                   | 2002           |  |  |
| <b>CHESAPEAKE BAY BASIN</b>  |                            |  |  |                  |   |                       |                |  |  |
| DE100-001<br>(12.2 miles)    | Chesapeake Drainage System | Cypress Branch, including tributaries  | Mainstem   | 6.6 miles        | Bacteria, DO                            | NPS                   | 1996           | 2005   |  |
|                              |                            |  |  |                  | Nutrients                               |                       | 2002           | 2005   |  |
|                              |                            |  | Cypress Branch--from the confluence of Black Stallion Ditch to the MD-DE line                      | 1.60 miles       | Biology, DO                             | NPS                   | 1998           | 2005<br>(for DO)<br>2010<br>(for Biology)                  |  |
|                              |                            | Tributary of Cypress Branch--from the confluence of the headwaters to the confluence with the mainstem | 0.35 miles   | Biology          | NPS                                     | 1998                  | 2010           |  |  |
| DE100-002<br>(18.8 miles)    | Chesapeake Drainage System | Sewell Branch, including   | Mainstem   | 7.2 miles        | Bacteria, DO, Nutrients                 | NPS                   | 1996           | 2005   |  |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b>     | <b>SEGMENT</b>                            | <b>DESCRIPTION</b>  | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b>                   | <b>TMDL AND<br/>LISTING<br/>STATUS</b> |
|--------------------------------------|-------------------------------|---|---|--------------------------|--|-------------------------------|------------------------|---|--|
|                                      |                               | tributaries                               | From the confluence of the headwaters to the confluence with Sewell Branch                              | 8.20 miles               | Biology, Habitat, and DO                         | NPS                           | 1998                   | 2005<br>(for DO)<br>2010<br>(for Biology and Habitat) |  |
| DE100-003<br>(20.6 miles)            | Chesapeake<br>Drainage System | Gravelly Run,<br>including<br>tributaries | Mainstem  | 7.7 miles                | Bacteria, DO,<br>Nutrients                       | NPS                           | 1996                   | 2005  |  |
|                                      |                               |   | Gravelly Run--from the confluence of Jamison Branch to the MD-DE line                                   | 1.08 miles               | Habitat  | NPS                           | 1998                   | 2010  |  |
|                                      |                               |   | Tributary of Gravelly Run--from the headwaters to the confluence with the mainstem                      | 0.22 miles               | Habitat  | NPS                           | 1998                   | 2010  |  |
|                                      |                               |   | Tributary of Gravelly Run--first western tributary upstream of Gravelly Run                             | 1.21 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010  |  |
|                                      |                               |   | Tributary of Gravelly Run--second eastern tributary from the headwaters of Gravelly Run to the mainstem | 1.25 miles               | Habitat  | NPS                           | 1998                   | 2010  |  |
|                                      |                               |   | Gravelly Run--from the start of the third order stream to the confluence with Jamison Branch            | 2.28 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010  |  |
|                                      |                               |   | From the confluence of Gravelly Run and Jamison Branch to the MD-DE line                                | 1.14 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010  |  |
| DE100-004<br>(21.7 miles)            | Chesapeake<br>Drainage System | Tributaries of<br>Elk River               | First eastern tributary after the headwaters of Great Bohemia Creek                                     | 1.55 miles               | Habitat  | NPS                           | 1998                   | 2010  |  |
|                                      |                               |   | Eastern tributary of the headwaters of Back Creek to its confluence                                     | 1.26 miles               | Biology  | NPS                           | 1998                   | 2010  |  |
| DE100-005<br>(7.2 miles)             | Chesapeake<br>Drainage System | Tributaries of<br>Sassafras River         | Western tributary of the headwaters of Sassafras River to its confluence                                | 1.92 miles               | Biology  | NPS                           | 1998                   | 2010  |  |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>          | <b>DESCRIPTION</b>  | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b>       | <b>TMDL AND<br/>LISTING<br/>STATUS</b> |
|--------------------------------------|---------------------------|-------------------------|---|--------------------------|--|-------------------------------|------------------------|---|--|
|                                      |                           |                         | From the confluence of the headwaters of Sassafras River to the next larger stream order          | 0.95 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                      |  |
| DE110-001<br>(36.3 miles)            | Choptank                  | Tappahanna<br>Ditch     | Mainstem  | 7.5 miles                | Bacteria, DO,<br>Nutrients                       | NPS                           | 1996                   | 2005                                      |  |
|                                      |                           |                         | From start of the fourth order stream to the confluence with Tidy Island Creek                    | 6.58 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                      |  |
|                                      |                           |                         | Start of third order stream on Tappahanna Ditch to the confluence of the next larger stream order | 1.12 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                      |  |
|                                      |                           |                         | First western tributary after the headwaters of Tappahanna Ditch to its confluence                | 0.40 miles               | Habitat  | NPS                           | 1998                   | 2010                                      |  |
|                                      |                           |                         | Tidy Island Creek--from the confluence with Tappahanna Ditch to the MD-DE line                    | 0.21 miles               | Habitat  | NPS                           | 1998                   | 2010                                      |  |
|                                      |                           |                         | Choptank River--from the start of the third order stream to the confluence with Choptank River    | 2.31 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                      |  |
|                                      |                           |                         | Seventh eastern tributary upstream of Tappahanna Ditch  | 1.30 miles               | Habitat and DO                                   | NPS                           | 1998                   | 2005<br>(for DO)<br>2010<br>(for Habitat) |  |
|                                      |                           |                         | Tributary of Tappahanna Ditch--western tributary of the headwaters to its confluence              | 0.38 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                      |  |
|                                      |                           |                         | Second western tributary after the headwaters of Tappahanna Ditch to its confluence               | 0.88 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                      |  |
| DE110-002<br>(34.3 miles)            | Choptank                  | Culbreth Marsh<br>Ditch | Mainstem  | 10.0 miles               | Bacteria, DO,<br>Nutrients                       | NPS                           | 1996                   | 2005                                      |  |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>     | <b>DESCRIPTION</b>   | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b> |
|--------------------------------------|---------------------------|--------------------|--|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
|                                      |                           |                    | Luther Marvel Prong--<br>from the confluence of the<br>headwaters to the<br>confluence with Culbreth<br>Marsh Ditch            | 1.07 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | From the confluence of<br>Powell Ditch to the<br>confluence with Ross<br>Prong   | 1.31 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Culbreth Marsh Ditch--<br>from start of the fourth<br>order stream to the<br>confluence with Mud<br>Millpond<br>( lower half ) | 1.79 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Culbreth Marsh Ditch--<br>from start of the fourth<br>order stream to the<br>confluence with Mud<br>Millpond<br>( upper half ) | 1.79 miles               | Biology, Habitat,<br>DO and<br>Temperature       | NPS                           | 1998                   | 2010<br>stressors<br>inter-related  |  |
|                                      |                           |                    | Culbreth Marsh Ditch--<br>from the confluence of<br>Ross Prong to the<br>confluence with the next<br>larger stream order       | 3.62 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Culbreth Marsh Ditch--<br>from the confluence of<br>Mud Millpond to the<br>confluence of Cow Marsh<br>Creek                    | 1.86 miles               | Biology  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Third western tributary<br>upstream of Culbreth<br>Marsh Ditch   | 1.99 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Ross Prong--from the<br>confluence of the<br>headwaters to the<br>confluence with Culbreth<br>Marsh Ditch                      | 2.61 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
| DE110-003<br>(89.9 miles)            | Choptank                  | Cow Marsh<br>Creek | Mainstem   | 15.1 miles               | Bacteria, DO,<br>Nutrients                       | NPS                           | 1996                   | 2005                                |  |
|                                      |                           |                    | First upstream tributary<br>on Meredith Branch   | 0.46 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b> | <b>DESCRIPTION</b>   | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b> |
|--------------------------------------|---------------------------|----------------|--|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
|                                      |                           |                | From the confluence of the headwaters of Sangston Prong to the confluence Gravelly Branch                              | 1.98 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Tributary of Gary Mill Pond Branch--from the confluence of the headwaters to the confluence with Gary Mill Pond Branch | 1.00 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | First eastern tributary after the headwaters of Wildcat Branch   | 1.21 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Willow Grove Prong--from the start of the third order stream to the confluence with Cow Marsh Creek                    | 1.24 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Tributary of Cow Marsh Creek--first eastern tributary upstream of Cow Marsh Creek                                      | 1.32 miles               | Biology  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Cow Marsh Ditch--from start of third order stream to the confluence with Cow Marsh Creek                               | 1.44 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Cow Marsh Ditch--from the confluence of the headwaters to the confluence with the next larger stream order             | 1.49 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Bullock Prong--mainstem to the confluence with Price Prong   | 3.12 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Third tributary upstream of Cow Marsh Ditch--from the headwaters to the confluence with Cow Marsh Ditch                | 1.86 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>                     | <b>DESCRIPTION</b>   | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b> |
|--------------------------------------|---------------------------|------------------------------------|--|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
|                                      |                           |                                    | Iron Mine Prong--from the confluence of Black Swamp to the next larger stream order                                    | 2.02 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                                    | Meredith Branch--from the start of the third stream order to the confluence with the next larger stream order          | 2.08 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                                    | White Marsh Branch--from the start of the third order stream to the confluence with Gravelly Branch and Sangston Prong | 2.92 miles               | Biology  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                                    | Cow Marsh Creek--from the confluence of Iron Mine Prong to the confluence with Choptank River                          | 4.97 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
| DE110-L01<br>(60.0 acres)            | Choptank                  | Mud Mill Pond                      | Pond south of Marydel  | 60.0 acres               | Bacteria, DO,<br>Nutrients                       | NPS                           | 1996                   | 2005                                |  |
| DE200-001<br>(20.3 miles)            | Marshyhope Creek          | Marshyhope<br>Creek                | From the headwaters to the State Line  | 19.7 miles               | Bacteria, DO,<br>Nutrients                       | NPS                           | 1996                   | 2005                                |  |
|                                      |                           |                                    | Tributary to Black Arm Prong--third tributary upstream of Black Arm Prong  | 0.56 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                                    | Marshyhope Creek--from the confluence of Prospect Branch to the confluence with the MD-DE line                         | 8.78 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                                    | From the confluence of Black Prong and Marshyhope Ditch to the confluence of Prospect Branch                           | 4.50 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
| DE200-002<br>(145.3 miles)           | Marshyhope Creek          | Tributaries from the headwaters to | Marshyhope Ditch   | 6.26 Miles               | DO, Nutrients,<br>Bacteria                       | NPS                           | 2002                   | 2005                                |  |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b> | <b>DESCRIPTION</b>   | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b> |
|--------------------------------------|---------------------------|----------------|--|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
|                                      |                           | the State line | First tributary upstream of Prong No. 2--from the eastern headwater to its confluence                          | 0.55 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Point Branch--from the headwaters to the confluence with the first tributary downstream                        | 0.80 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Tributary of Tomahawk Branch--third eastern tributary downstream of the headwaters                             | 1.54 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Tributary of Tomahawk Branch--first eastern tributary upstream   | 0.69 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Tributary of Salisbury Creek--from the MD-DE line to the confluence with Salisbury Creek                       | 0.82 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Salisbury Creek--from the start of the third order stream to the confluence with Cattail Branch ( upper half ) | 0.60 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Salisbury Creek--from the start of the third order stream to the confluence with Cattail Branch ( lower half ) | 0.60 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Prospect Branch--western tributary of the headwaters to its confluence   | 1.25 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Prong No. 2--from the start of the third order stream to the confluence with Bright-Haines Glade Branch        | 1.50 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | From the confluence of the headwaters of Green Branch to the confluence with Marshyhope Creek                  | 3.51 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |



| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b> | <b>DESCRIPTION</b>  | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b> |
|--------------------------------------|---------------------------|----------------|---|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
|                                      |                           |                | Tributary of Salisbury Creek--from the MD-DE line to the confluence with Salisbury Creek  | 1.21 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Short and Hall Ditch--from the confluence of the headwaters of with Marshyhope Creek  | 1.45 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Brights Branch--from the start of the third order stream to the MD-DE line  | 1.78 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Bright-Haines Glade Branch--from the start of the fourth order stream and Prospect Branch to the confluence with Marshyhope Creek | 1.30 miles               | Habitat, DO and Temperature                      | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Cattail Branch--from the start of the fourth order stream to the confluence with Salisbury Creek ( upper half )                   | 2.17 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Cattail Branch--from the start of the fourth order stream to the confluence with Salisbury Creek ( lower half )                   | 2.17 miles               | Habitat, DO and Temperature                      | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Tributary to Black Arm Prong--second tributary after the headwaters   | 0.52 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Eastern tributary of the headwaters of Cattail Branch to its confluence   | 0.87 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | From the confluence of the headwaters of Green Branch to the confluence Marshyhope Creek  | 2.34 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                | Tributary to Cattail Branch--fourth western tributary downstream of the headwaters of Cattail Branch                              | 1.08 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>           | <b>DESCRIPTION</b>  | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b>  |
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|                                      |                           |                          | Tributary of Prong No. 2-<br>-from the start of the<br>third order stream to the<br>confluence with Bright-<br>Haines Glade Branch      | 1.50 miles               | Habitat  | NPS                           | 1998                   | 2010                                |   |
|                                      |                           |                          | Tributary to Cattail<br>Branch--third western<br>tributary upstream of<br>Salisbury Creek   | 1.06 miles               | Habitat  | NPS                           | 1998                   | 2010                                |   |
|                                      |                           |                          | Tributary to Tomahawk<br>Branch--first western<br>tributary after the<br>headwaters   | 0.95 miles               | Habitat  | NPS                           | 1998                   | 2010                                |   |
| DE240-001<br>(69.4 miles)            | Nanticoke River           | Lower Nanticoke<br>River | From the head of tide in<br>Middleford to the MD-DE<br>State line   | 15.1 miles               | Bacteria, Nutrients,<br>DO                       | PS, NPS                       | 1996                   | 2005<br>(for Bacteria)              | TMDL<br>Established<br>1998 for<br>Nutrients and<br>DO  |
| DE240-002<br>(62.3 miles)            | Nanticoke River           | Upper Nanticoke<br>River | From the headwaters of<br>the Nanticoke River to the<br>head of tide at Middleford  | 18.6 miles               | Bacteria, Nutrients                              | PS, NPS                       | 1996                   | 2005<br>(for Bacteria)              | TMDL<br>Established<br>1998 for<br>Nutrients and<br>DO<br><br>DO, listed in<br>1996, Delisted<br>2002 based on<br>2002 305(b)<br>report |
|                                      |                           |                          | Tributary of White Marsh<br>Branch--first western<br>tributary downstream of<br>the headwaters of White<br>Marsh Branch                 | 0.49 miles               | Habitat  | NPS                           | 1998                   | 2010                                |   |
|                                      |                           |                          | Kent-Sussex Line Branch-<br>-from the start of the third<br>order stream to the<br>confluence with<br>Nanticoke River ( lower<br>half ) | 1.33 miles               | Habitat  | NPS                           | 1998                   | 2010                                |   |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>     | <b>DESCRIPTION</b>  | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b>                 |
|--------------------------------------|---------------------------|--------------------|---|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
|                                      |                           |                    | Kent-Sussex Line Branch--from the start of the third order stream to the confluence with Nanticoke River ( upper half ) | 1.33 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Nanticoke Branch--from the confluence of Polk Branch to the confluence with Gum Branch                                  | 2.48 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Grubby Neck Branch--from the confluence of Polk Branch to the confluence with Gum Branch                                | 1.24 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Nanticoke Branch--from the confluence of Kent-Sussex Line Branch to the confluence with Cart Branch                     | 5.23 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Nanticoke River--from the start of the third order stream to the confluence with Kent-Sussex Line Branch.               | 3.13 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Tributary to Marsh Branch--first eastern tributary after the headwaters to its confluence                               | 0.83 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
| DE240-003<br>(22.9 miles)            | Nanticoke River           | Clear Brook Branch | From the headwaters of Clear Brook, Friedel Prong, and Bucks Branch to the confluence with Williams Pond                | 12.9 miles               | Bacteria, Nutrients, DO                          | NPS                           | 1996                   | 2005<br>(for Bacteria)              | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO |
| DE240-004<br>(99.2 miles)            | Nanticoke River           | Deep Creek Branch  | From the headwaters above Concord Pond to the confluence with the Nanticoke River, excluding Concord Pond               | 5.5 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2005<br>(for Bacteria)              | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO |
|                                      |                           |                    | McColleys Branch--from the confluence of New Ditch to the confluence with Deep Creek                                    | 3.24 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>     | <b>DESCRIPTION</b>   | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b>                 |
|--------------------------------------|---------------------------|--------------------|--|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
|                                      |                           |                    | Deep Creek--from the start of the third order stream to the confluence with Deep Creek and McColleys Branch                  | 2.51 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Tyndall Branch--from the start of the third order stream on Stoney Creek to the confluence of Tyndall Branch and Deep Creek  | 5.00 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
| DE240-005<br>(61.2 miles)            | Nanticoke River           | Gravelly Branch    | From the headwaters of Gravelly Branch above Collins Pond to the confluence with the Nanticoke River, excluding Collins Pond | 6.5 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2005<br>(for Bacteria)              | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO |
|                                      |                           |                    | Gravelly Branch--from the start of the third order stream to the confluence with the next larger stream order                | 2.12 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Prong No. 1--from the start of fourth order stream to the confluence with Gravelly Branch on Nanticoke River                 | 0.73 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                    | Maple Branch-- from the start of the third order stream to the confluence with Prong No. 1                                   | 1.0 mile                 | Habitat  | NPS                           | 1998                   | 2010                                |  |
| DE240-006<br>(9.6 miles)             | Nanticoke River           | Bridgeville Branch | From the headwaters of Bridgeville Branch to the confluence with Nanticoke River   | 7.2 miles                | Bacteria, Nutrients,<br>DO                       | NPS                           | 1996                   | 2005<br>(for Bacteria)              | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO |
|                                      |                           |                    | Bridgeville Branch---from the start of the third order stream to the confluence with Nanticoke River                         | 3.92 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
| DE240-007<br>(12.1 miles)            | Nanticoke River           | Gum Branch         | From the headwaters located northeast of Woodland Ferry to the confluence with Nanticoke River                               | 6.0 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2005<br>(for Bacteria)              | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME | SEGMENT                             | DESCRIPTION   | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL | TMDL AND<br>LISTING<br>STATUS  |
|------------------------------|-------------------|-------------------------------------|---|------------------|---|-----------------------|----------------|----------------------------|--|
|                              |                   |                                     | Gum Branch.--from the start of the third order stream to the confluence with Nanticoke River          | 2.37 miles       | Habitat                                 | NPS                   | 1998           | 2010                       |  |
| DE240-008<br>(25.8 miles)    | Nanticoke River   | Lewes Creek                         | Lewes Creek, including Butler Mill Branch and Chapel Branch   | 10.3 miles       | Bacteria, Nutrients                     | NPS                   | 1996           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO                                   |
|                              |                   |                                     |   |                  | DO                                      | NPS                   | 2002           |                            |  |
| DE240-009<br>(1.0 miles)     | Nanticoke River   | DuPont Gut                          | Below Seaford from the DuPont Plant discharge to the confluence with the Nanticoke River              | 1.0 mile         |   | PS                    | 1996           |                            | Temperature, listed in 1996, Delisted 2002 based on new information and US EPA findings. |
| DE240-010<br>(46.7 miles)    | Nanticoke River   | Gum Branch on Upper Nanticoke River | Gum Branch--from the confluence of Stallion Head Branch to the confluence with West Branch Gum Branch | 3.51 miles       | Habitat                                 | NPS                   | 1998           | 2010                       |  |
|                              |                   |                                     | Toms Dam Branch--from the start of the third order stream to the confluence with Gum Branch           | 5.23 miles       | Habitat                                 | NPS                   | 1998           | 2010                       |  |
| DE240-L01<br>(11.9 acres)    | Nanticoke River   | Craigs Pond                         | Pond southwest of Seaford and below Butler Mill Branch  | 11.9 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO                                   |
|                              |                   |                                     |   |                  | DO                                      | NPS                   | 2002           |                            |  |
| DE240-L02<br>(87.4 acres)    | Nanticoke River   | Concord Pond                        | Pond east of Seaford on Deep Creek Branch   | 87.4 acres       | Nutrients                               | NPS                   | 1996           |                            | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO                                   |
| DE240-L04<br>(100.0 acres)   | Nanticoke River   | Williams Pond                       | Pond located in Seaford and below Middleford  | 100.0 acres      | Nutrients                               | NPS                   | 1996           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO                                   |
|                              |                   |                                     |   |                  | Bacteria                                | NPS                   | 2002           |                            |  |
| DE240-L05<br>(67.0 acres)    | Nanticoke River   | Hearns Pond                         | Pond located north of Seaford on Clear Brook Branch   | 67.0 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO                                   |
| DE050-001                    | Broad Creek       | Lower Broad                         | Lower Broad Creek,  | 24.8 miles       | Bacteria, Nutrients                     | PS, NPS               | 1996           | 2005<br>(for Bacteria)     | TMDLs for<br>DO and  |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>      | <b>DESCRIPTION</b>  | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b>   |
|--------------------------------------|---------------------------|---------------------|---|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
| (39.2 miles)                         |                           | Creek               | including Collins and Culvert Ditch, Holly Ditch, and Rossakatum and Cooper Branches                          |                          | DO   | PS,NPS                        | 2002                   |                                     | Nutrients were established in 1998 for the Mainstem and 2000 for the Tributaries |
|                                      |                           |                     | Cooper Branch--from the start of the third order stream on Rossakatum Branch to the confluence of Broad Creek | 2.73 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
| DE050-002<br>(13.0 miles)            | Broad Creek               | Tussocky Branch     | Tributary west of Laurel, excluding Portsville and Tussock Ponds  | 7.9 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2005<br>(for Bacteria)              | TMDL Established 2000 for Nutrients and DO                                       |
|                                      |                           |                     | Tussocky Branch--from the confluence of Mill Creek to the confluence with Broad Creek                         | 3.42 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
| DE050-003<br>(20.1 miles)            | Broad Creek               | Little Creek        | Tributary south of Laurel, excluding Horsey's Pond  | 2.4 miles                | Bacteria   | NPS                           | 1996                   | 2005                                |  |
| DE050-004<br>(21.7 miles)            | Broad Creek               | Chipman Pond Branch | Tributary northeast of Laurel, excluding Chipman Pond   | 6.7 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2005<br>(for Bacteria)              | TMDL Established 2000 for Nutrients and DO                                       |
|                                      |                           |                     | Jobs Ditch--from the headwaters to the confluence with Dukes and Jobs Branch                                  | 0.98 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                     | Mirey Branch--from the start of the third order stream to the confluence with Elliott Pond Branch             | 1.28 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
|                                      |                           |                     | Dukes Ditch--from the headwaters to the confluence with Dukes and Jobs Branch                                 | 2.45 miles               | Habitat  | NPS                           | 1998                   | 2010                                |  |
| DE050-005-01<br>(31.7 miles)         | Broad Creek               | James Branch        | James Branch, including Pepper Pond Branch, Hitch Pond Branch, and Grays Branch                               | 11.1 miles               | Bacteria, Nutrients                              | NPS                           | 1996                   | 2005<br>(for Bacteria)              | TMDL Established 2000 for Nutrients and DO                                       |
|                                      |                           |                     |   |                          | DO   | NPS                           | 2002                   |                                     |  |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME | SEGMENT                | DESCRIPTION   | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL | TMDL AND<br>LISTING<br>STATUS   |
|------------------------------|-------------------|------------------------|---|------------------|---|-----------------------|----------------|----------------------------|---|
| DE050-005-02<br>(18.8 miles) | Broad Creek       | Trussum Pond<br>Branch | From the headwaters to<br>the confluence with James<br>Branch, excluding<br>Trussum Pond            | 3.5 miles        | Bacteria                                | NPS                   | 1996           | 2005                       |   |
|                              |                   |                        | Wards Branch--from the<br>confluence of the<br>headwaters to the<br>confluence with James<br>Branch | 3.18 miles       | DO                                      | NPS                   | 1998           |                            | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO  |
| DE050-006-01<br>(21.5 miles) | Broad Creek       | Trap Pond<br>Branch    | From the headwaters of<br>Trap Pond including<br>Saunders and Thompson<br>Branches                  | 2.9 miles        | Bacteria, Nutrients                     | NPS                   | 1996           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO  |
| DE050-006-03 (21.0<br>miles) | Broad Creek       | Raccoon Prong          | Headwaters of Raccoon<br>Pond and Trap pond   | 9.11 miles       | Bacteria, Nutrients,<br>DO              | NPS                   | 2002           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO  |
| DE050-L01<br>(14.5 acres)    | Broad Creek       | Portsville Pond        | Pond west of Laurel on<br>Tussocky Branch   | 14.5 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO  |
| DE050-L02<br>(8.6 acres)     | Broad Creek       | Tussock Pond           | Pond southwest of Laurel  | 8.6acres         | Bacteria, Nutrients                     | NPS                   | 2002           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO  |
| DE050-L03<br>(46.3 miles)    | Broad Creek       | Horseys Pond           | Pond south of Laurel on<br>Little Creek tributary   | 46.3 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO  |
| DE050-L04<br>(91.9 acres)    | Broad Creek       | Records Pond           | Pond adjacent to Laurel   | 91.9 acres       | Bacteria, Nutrients                     | PS, NPS               | 1996           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO<br>DO, listed in<br>1996, Delisted<br>2002 based on<br>2002 305(b)<br>report |
| DE050-L05                    | Broad Creek       | Chipman Pond           | Pond located north of   | 47.0 acres       | Nutrients                               | NPS                   | 1996           |                            | TMDL  |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME | SEGMENT   | DESCRIPTION  | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL | TMDL AND<br>LISTING<br>STATUS   |      |      |
|------------------------------|-------------------|---|--|------------------|---|-----------------------|----------------|----------------------------|---|------|------|
| 47.0 acres)                  |                   |   | Laurel on Chipman Branch   |                  | Bacteria                                | NPS                   | 2002           | 2005<br>(for Bacteria)     | Established<br>2000 for<br>Nutrients and<br>DO  |      |      |
| DE050-L06<br>(58.7 acres)    | Broad Creek       | Trussum Pond  | Pond southeast of Laurel on James Branch   | 58.7 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO  |      |      |
|                              |                   |   |  |                  | DO                                      |                       | 2002           |                            |   |      |      |
| DE050-L07<br>(88.0 acres)    | Broad Creek       | Trap Pond   | Pond east of Laurel on Hitch Pond Branch   | 88.0 acres       | Nutrients                               | NPS                   | 1996           |                            | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO<br><br>Bacteria, listed<br>in 1996,<br>Delisted 2002<br>based on 2002<br>305(b) report |      |      |
|                              |                   |   |  |                  | DO                                      |                       | NPS            |                            |   | 2002 |      |
| DE050-L08<br>(13.5 acres)    | Broad Creek       | Raccoon Pond  | Pond east of Laurel on Hitch Pond Branch   | 13.5 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2005<br>(for Bacteria)     | TMDL<br>Established<br>2000 for<br>Nutrients and<br>DO  |      |      |
|                              |                   |   |  |                  | DO                                      |                       | NPS            |                            |   | 2002 |      |
| DE250-001<br>(11.8 miles)    | Pocomoke River    | Pocomoke River                                      | Pocomoke River, from headwaters to the MD-DE State line  | 11.8 miles       | Bacteria, DO, Nutrients                 | NPS                   | 1996           | 2005                       |   |      |      |
|                              |                   |   | Pocomoke River--from the confluence of Bald Cypress Branch and Gum Branch to the MD-DE line                    | 0.99 miles       | Habitat                                 |                       | NPS            |                            |   | 1998 | 2010 |
|                              |                   |   | Pocomoke River--from start of the third order stream to the confluence with Bald Cypress Branch and Gum Branch | 4.55 miles       | Habitat                                 |                       | NPS            |                            |   | 1998 | 2010 |
| DE250-002<br>(41.7 miles)    | Pocomoke River    | Tributaries from the headwaters to MD-DE State line | Bald Cypress Branch--from the confluence of the headwaters to the confluence with the next larger stream order | 3.5 miles        | Habitat                                 | NPS                   | 1998           | 2010                       |   |      |      |



| WATERBODY ID<br>(TOTAL SIZE)            | WATERSHED<br>NAME           | SEGMENT                                 | DESCRIPTION   | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL                                     | TMDL AND<br>LISTING<br>STATUS   |
|---|-----------------------------|---|---|------------------|---|-----------------------|----------------|--|---|
| <b>INLAND BAYS/ATLANTIC OCEAN BASIN</b> |                             |   |   |                  |   |                       |                |  |   |
| DE170-001<br>(14.1 miles)               | Lewes and<br>Rehoboth Canal | Lewes and<br>Rehoboth Canal             | Tidal waters from the<br>confluence of Delaware<br>Bay to the confluence<br>with Rehoboth Bay   | 8.9 miles        | Bacteria, Nutrients                     | PS, NPS               | 1996           | 2003 (for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria)    | DO, listed in<br>1996, Delisted<br>2002 based on<br>2002 305(b)<br>report |
| DE280-001-01<br>(29.8 miles)            | Rehoboth Bay                | Chapel Branch                           | From the headwaters of<br>Chapel Branch to the<br>confluence of Herring<br>Creek, including Hopkins<br>Prong, Unity Branch,<br>Phillips Branch, and<br>Guinea Creek | 27.0 miles       | Bacteria, Nutrients,<br>DO              | NPS                   | 1996           | 2003<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria) |   |
|   |                             |   | Chapel Branch--from the<br>start of the second order<br>stream to the confluence<br>with Herring Creek  | 3.75 miles       | Habitat                                 | NPS                   | 1998           | 2013   |   |
| DE280-002<br>(21.5 miles)               | Rehoboth Bay                | Love Creek,<br>including<br>tributaries | Love Creek, Bundicks<br>Branch and Goslee Creek<br>to the confluence with<br>Rehoboth Bay   | 4.2 miles        | Bacteria, Nutrients                     | NPS                   | 1996           | 2003 (for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria)    | DO, listed in<br>1996, Delisted<br>2002 based on<br>2002 305(b)<br>report |
| DE280-E01<br>(12.0 miles)               | Rehoboth Bay                | Rehoboth Bay                            | Near coastal waters<br>extending north from the<br>confluence with Indian<br>River Bay at Burton<br>Island  | 12.0 sq. mi.     | Nutrients, DO                           | PS, NPS               | 1996           |  | TMDL<br>Established<br>1998 for<br>Nutrients and<br>DO                    |
| DE280-L01<br>(33.0 acres)               | Rehoboth Bay                | Burton Pond                             | Pond northeast of<br>Millsboro  | 33.0 acres       | Nutrients                               | NPS                   | 1998           | 2003   |   |
| DE140-001<br>(11.2 miles)               | Indian River                | White Creek                             | Saline tidal waters<br>extending from the north<br>end of Assawoman Canal<br>to the Indian River Bay  | 4.9 miles        | Bacteria, Nutrients,<br>DO              | NPS                   | 1996           | 2003<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria) |   |
| DE140-002<br>(13.8 miles)               | Indian River                | Blackwater<br>Creek                     | Saline tidal waters from<br>the headwaters to the<br>confluence with Indian<br>River Bay  | 7.2 miles        | Bacteria                                | NPS                   | 1996           | 2006   |   |
|   |                             |   |   |                  | DO, Nutrients                           |                       | 2002           | 2003<br>(for<br>Nutrients and<br>DO)                           |   |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>                            | <b>DESCRIPTION</b>  | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b>                            | <b>TMDL AND<br/>LISTING<br/>STATUS</b>  |
|--------------------------------------|---------------------------|---|---|--------------------------|--|-------------------------------|------------------------|--|---|
| DE140-003<br>(53.7 miles)            | Indian River              | Pepper Creek,<br>including<br>tributaries | Pepper Creek including<br>Vines Creek, McCrays<br>Branch, and Deep Hole<br>Branch   | 24.8 miles               | Bacteria, Nutrients,<br>DO                       | NPS                           | 1996                   | 2003<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria) |   |
| DE140-004<br>(9.4 miles)             | Indian River              | Indian River                              | Saline tidal portion of<br>river from Millsboro Pond<br>to Power Plant intake   | 4.6 miles                | Bacteria, Nutrients,<br>Temperature, SS          | PS, NPS                       | 1996                   | 2006<br>(for Bacteria)<br>1998<br>(for<br>Temperature)         | TMDL<br>Established<br>1998 for<br>Nutrients, DO<br>and<br>Suspended<br>Solids<br><br>316(a) Study<br>currently<br>under EPA<br>review for<br>Temperature |
|                                      |                           |   |   |                          | DO   | PS, NPS                       | 2002                   |  |   |
| DE140-005<br>(8.6 miles)             | Indian River              | Swan Creek                                | Freshwater tidal river<br>from the headwaters of<br>Swan Creek to the<br>confluence with Indian<br>River                            | 8.6 miles                | Bacteria, Nutrients                              | PS, NPS                       | 1996                   | 2003<br>(for<br>Nutrients)<br>2006<br>(for Bacteria)           | Temperature,<br>listed in 1996,<br>delisted in<br>2002 as sole<br>point source<br>discharger was<br>removed   |
| DE140-006<br>(12.1 miles)            | Indian River              | Stockley Branch                           | From the confluence of<br>Alms House Ditch with<br>Stockley Branch to the<br>confluence with Millsboro<br>Pond                      | 8.23 miles               | Bacteria, Nutrients                              | PS, NPS                       | 1996                   | 2003<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria) |   |
|                                      |                           |   |   |                          | DO   | PS, NPS                       | 2002                   |  |   |
| DE140-007<br>(13.6 miles)            | Indian River              | Eli Walls Tax<br>Ditch                    | From the headwaters of<br>McGee Ditch, Eli Walls<br>Tax Ditch, and Gills<br>Branch to the confluence<br>with Morris Millpond        | 13.6 miles               | Bacteria, Nutrients                              | PS, NPS                       | 1996                   | 2003<br>(for<br>Nutrients)<br>2006<br>(for Bacteria)           |   |
| DE140-008<br>(16.9 miles)            | Indian River              | Deep Branch,<br>including<br>tributary    | Deep Branch, including<br>Peterkins Branch, White<br>Oak Swamp Ditch,<br>Sockerockets Ditch,<br>Welsh Branch, and<br>Simpler Branch | 16.9 miles               | Bacteria, Nutrients,<br>DO                       | PS, NPS                       | 1996                   | 2003<br>(for<br>Nutrients)<br>2006<br>(for Bacteria)           |   |
| DE140-009<br>(23.5 miles)            | Indian River              | Mirey Branch,<br>including<br>tributaries | Mirey Branch, including<br>Sheep Pen Ditch, and<br>Narrow Drain   | 23.5 miles               | Bacteria   | NPS                           | 1996                   | 2006   |   |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME | SEGMENT                | DESCRIPTION   | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL                            | TMDL AND<br>LISTING<br>STATUS                                 |
|------------------------------|-------------------|------------------------|---|------------------|---|-----------------------|----------------|---|---|
|                              |                   |                        | Mirey Branch-- from the confluence of the headwaters to the confluence with Sheep Pen Ditch   | 5.40 miles       | Habitat                                 | NPS                   | 1998           | 2013  |   |
| DE140-010<br>(23.8 miles)    | Indian River      | Betts Pond Branch      | From the headwaters of the tributaries of Ingrams Pond and Betts Pond to the confluence with Millsboro Pond, excluding Betts and Millsboro Pond | 17.5 miles       | Bacteria                                | NPS                   | 1996           | 2006  |   |
|                              |                   |                        |   |                  | DO, Nutrients                           |                       | 2002           | 2003  |   |
| DE140-E01<br>(13.0 sq. mi.)  | Indian River      | Lower Indian River Bay | From inlet to Pepper Creek  | 13.0 sq. mi.     | Bacteria, Nutrients, DO                 | PS, NPS               | 1996           | 2006<br>(for Bacteria)                                | TMDL Established 1998 for Nutrients and DO                    |
| DE140-E02<br>(0.95 sq. mi.)  | Indian River      | Upper Indian River Bay | Upper portion of estuary from power plant cooling water intake to Pepper Creek, including Island Creek  | 0.95 sq. mi.     | Bacteria, Nutrients, Temperature        | NPS                   | 1996           | 2006<br>(for Bacteria)<br>1998<br>(for Temperature)   | TMDL Established 1998 for Nutrients and DO                    |
|                              |                   |                        |   |                  | DO                                      |                       |                |   | NPS   |
| DE140-L01<br>(126.0 acres)   | Indian River      | Millsboro Pond         | Pond north of Millsboro   | 126.0 acres      | Bacteria, Nutrients                     | PS, NPS               | 1996           | 2003<br>(for Nutrients, DO)<br>2006<br>(for Bacteria) | DO, listed in 1996, Delisted 2002 based on 2002 305(b) report |
| DE140-L02<br>(80.0 acres)    | Indian River      | Betts Pond             | Pond northwest of Millsboro   | 80.0 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2003<br>(for Nutrients)<br>2006<br>(for Bacteria)     |   |
| DE140-L03<br>(48.0 acres)    | Indian River      | Ingrams Pond           | Pond west of Millsboro  | 48.0 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2003<br>(for Nutrients)<br>2006<br>(for Bacteria)     |   |
| DE140-L04<br>(44.0 acres)    | Indian River      | Morris Mill Pond       | Pond between Millsboro and Georgetown   | 44.0 acres       | Bacteria                                | PS, NPS               | 1996           | 2006  |   |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME | SEGMENT                | DESCRIPTION   | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL                                     | TMDL AND<br>LISTING<br>STATUS |
|------------------------------|-------------------|------------------------|---|------------------|---|-----------------------|----------------|--|-------------------------------|
| DE150-001<br>(30.2 miles)    | Iron Branch       | Iron Branch            | From the headwaters of Iron Branch and Whartons Branch to the confluence with Indian River                    | 13.1 miles       | Bacteria, Nutrients, DO                 | NPS                   | 1996           | 2003<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria) |                               |
|                              |                   |                        | Whartons Ditch--from the start of the third order stream to the confluence with Whartons Branch               | 3.55 miles       | Habitat, DO and Temperature             | NPS                   | 1998           | 2013   |                               |
| DE070-001<br>(11.1 miles)    | Buntings Branch   | Buntings Branch        | From the headwaters to the MD-DE State line   | 4.6 miles        | Nutrients, DO                           | PS, NPS               | 1996           | 2003<br>(for<br>Nutrients and<br>DO)                           |                               |
|                              |                   |                        |   |                  | Bacteria                                |                       | 2002           | 2006<br>(for Bacteria)   |                               |
| DE350-E01<br>(0.59 sq. mi.)  | Assawoman Bay     | Assawoman Bay          | Portion of the estuary up to the MD-DE State line   | 0.59 sq. mi.     | Bacteria                                | NPS                   | 1998           | 2006   |                               |
| DE180-001<br>(9.3 miles)     | Little Assawoman  | Little Assawoman Canal | Saline tidal waters from the confluence with White Creek to the confluence with little Assawoman Bay          | 3.1 miles        | Bacteria, Nutrients, DO                 | NPS                   | 1996           | 2003<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria) |                               |
| DE180-002<br>(14.8 miles)    | Little Assawoman  | Miller Creek           | From the headwaters of Miller Creek to the confluence with Little Assawoman bay                               | 6.5 miles        | Bacteria, DO<br>Nutrients               | NPS                   | 1996           | 2003<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria) |                               |
|                              |                   |                        | Beaver Dam Ditch--from the confluence of Blackwater Creek to the confluence with the next larger stream order | 2.31 miles       | Habitat                                 | NPS                   | 1998           | 2013   |                               |
| DE180-003<br>(31.0 miles)    | Little Assawoman  | Dirickson Creek        | From the headwaters of Dirickson Creek to the confluence with Little Assawoman bay                            | 13.3 miles       | Bacteria, Nutrients                     | NPS                   | 1996           | 2003<br>(for<br>Nutrients,<br>DO)                              |                               |
|                              |                   |                        |   |                  | DO                                      |                       | 2002           | 2006<br>(for Bacteria)   |                               |
|                              |                   |                        | Bearhole Ditch--from the confluence. of the headwaters to the confluence with Batson Branch                   | 2.39 miles       | Habitat                                 | NPS                   | 1998           | 2013   |                               |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME | SEGMENT              | DESCRIPTION  | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S)                   | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL   | TMDL AND<br>LISTING<br>STATUS  |
|------------------------------|-------------------|----------------------|--|------------------|---|-----------------------|----------------|--|--|
|                              |                   |                      | Agricultural Ditch--from the confluence of the headwaters to the confluence with Dirickson Creek | 2.97 miles       | Habitat   | NPS                   | 1998           | 2013   |  |
| DE180-E01<br>(3.0 sq. mi.)   | Little Assawoman  | Little Assawoman Bay | Estuary from the confluence with Assawoman Canal to the confluence with Assawoman Bay            | 3.0 sq. mi.      | Bacteria, DO<br>Nutrients                                 | NPS                   | 1996           | 2003<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria)                   |  |
| <b>DELAWARE BAY BASIN</b>    |                   |                      |  |                  |   |                       |                |  |  |
| NA<br>(59.0 sq. mi.)         | Delaware River    | DRBC Zone 5          | From the Pennsylvania-Delaware line to Liston Point, Delaware.                                   | 59.0 sq. mi.     | PCBs, Bacteria  | PS, NPS, SF           | 1996           | 2002<br>(PCBs)<br>2005<br>(Bacteria)   |  |
|                              |                   |                      |  |                  | Arsenic, Dioxin,<br>Mercury,<br>Chlorinated<br>Pesticides |                       | 2002           | 2011<br>(Arsenic,<br>Dioxin,<br>Mercury,<br>Chlorinated<br>Pesticides)           |  |
| DE020-001<br>(6.8 miles)     | Army Creek        | Lower Army Creek     | Segment from Route 13 to mouth at Delaware River tidal freshwater segment                        | 3.0 miles        | Nutrients, DO<br>Bacteria                                 | NPS                   | 1996<br>2002   | 2006   |  |
|                              |                   |                      | First tributary on Army Creek after the headwaters   | 0.73 miles       | Habitat   | NPS                   | 1998           | 2011   |  |
|                              |                   |                      | Segment from Route 13 to the mouth of the Delaware River   | 2.00 miles       | Biology and Habitat                                       | NPS                   | 1998           | 2011   |  |
| DE020-002<br>(1.9 miles)     | Army Creek        | Upper Army Creek     | Nontidal segment from headwaters to Route 13   | 1.1 miles        | Nutrients, DO<br>Bacteria                                 | NPS<br>NPS            | 1998<br>2002   | 2006   |  |
| DE270-001-01<br>(3.7 miles)  | Red Lion Creek    | Lower Red Lion       | From U.S. Route 13 to the mouth at Delaware River  | 1.5 miles        | DO, Nutrients<br>Bacteria, PCBs,<br>Dioxins               | NPS                   | 1996<br>2002   | 2006 (for<br>Nutrients,<br>DO and<br>Bacteria)<br>2011 (for<br>PCBs,<br>Dioxins) | Chlorinated<br>Benzene,<br>listed in 1996,<br>Delisted 2002<br>based on<br>changing<br>conditions. |
|                              |                   |                      | First tributary downstream of Doll Run from the headwaters to the confluence with Red Lion Creek | 0.91 miles       | Biology   | NPS                   | 1998           | 2011   |  |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME                            | SEGMENT                                    | DESCRIPTION  | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL                   | TMDL AND<br>LISTING<br>STATUS |
|------------------------------|--|--|--|------------------|---|-----------------------|----------------|--|-------------------------------|
| DE270-001-02<br>(6.0 miles)  | Red Lion Creek                               | Upper Red Lion                             | From the headwaters to the location where Route 13 intersects Red Lion Creek         | 1.9 miles        | Bacteria, Nutrients                     | NPS                   | 1996           | 2006   |                               |
|                              |  |  | First tributary after the headwaters of Red Lion Creek                               | 0.28 miles       | Biology                                 | NPS                   | 1998           | 2011   |                               |
| DE130-001<br>(3.2 miles)     | Dragon Run Creek                             | Lower Dragon Run Creek                     | From dam at the water supply pond to the mouth of Delaware River                     | 3.2 miles        | Nutrients, DO                           | NPS                   | 1998           | 2006   |                               |
|                              |  |  |  |                  | Bacteria                                | NPS                   | 2002           |  |                               |
| DE130-002<br>(45 miles)      | Dragon Run Creek                             | Upper Dragon Run Creek                     | From headwaters to water supply pond   | 4.1 miles        | Bacteria, DO, Nutrients                 | NPS                   | 1996           | 2006   |                               |
|                              |  |  | From the confluence of the headwaters to the water supply dam                        | 3.42 miles       | Biology                                 | NPS                   | 1998           | 2011   |                               |
| DE090-001                    | Chesapeake & Delaware Canal<br>(C & D Canal) | C&D Canal                                  | C&D Canal from the MD Line to Delaware River   | 15.0M            | Nutrients, PCBs, Dioxins                | NPS                   | 2002           | 2011<br>(for Nutrients, PCBs and Dioxin)     |                               |
| DE090-002<br>(17.8 miles)    | Chesapeake & Delaware Canal<br>(C & D Canal) | Tributaries of Chesapeake & Delaware Canal | Scott Run-- from the headwaters to the confluence with Chesapeake & Delaware Canal   | 4.81 miles       | Biology, Habitat, and DO                | NPS                   | 1998           | 2006 (for DO) 2011 (for Biology and Habitat) |                               |
|                              |  |  | Crystal Run--from the headwaters to the confluence with Chesapeake & Delaware Canal  | 1.52 miles       | Biology                                 | NPS                   | 1998           | 2011   |                               |
|                              |  |  | Joy Run--from the headwaters to the confluence with Chesapeake & Delaware Canal      | 1.99 miles       | Biology                                 | NPS                   | 1998           | 2011   |                               |
|                              |  |  | Eastern tributary on Lums Pond--from the headwaters to the confluence with Lums Pond | 1.04 miles       | Biology and Habitat                     | NPS                   | 1998           | 2011   |                               |
| DE090-L01<br>(189.3 acres)   | Chesapeake & Delaware Canal<br>(C & D Canal) | Lums Pond                                  | Pond south of Newark   | 189.3 acres      | Bacteria                                | NPS                   | 1996           | 2006   |                               |
|                              |  |  |  |                  | Nutrients                               | NPS                   | 2002           |  |                               |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>  | <b>DESCRIPTION</b>   | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b>                            | <b>TMDL AND<br/>LISTING<br/>STATUS</b>                                    |
|--------------------------------------|---------------------------|---|--|--------------------------|--|-------------------------------|------------------------|--|---|
| DE010-001-01<br>(7.1 miles)          | Appoquinimink<br>River    | Lower<br>Appoquinimink<br>River                           | Saline Tidal Reach,<br>excluding Hangman's<br>Run  | 7.1 miles                | Nutrients, DO                                    | PS, NPS                       | 1996                   | 2006<br>(for Bacteria)<br>2011<br>(for PCBs,<br>Dioxin)        | TMDL<br>Established<br>1998 for<br>Nutrients and<br>DO                    |
|                                      |                           |   |  |                          | Bacteria, PCBs,<br>Dioxins                       | NPS                           | 2002                   |  |   |
| DE010-001-02<br>(6.1 miles)          | Appoquinimink<br>River    | Upper<br>Appoquinimink<br>River                           | Freshwater Tidal Reach   | 6.1 miles                | Nutrients, DO                                    | PS, NPS                       | 1996                   | 2006<br>(for Bacteria)<br>2011(for<br>PCBs,<br>Dioxin)         | TMDL<br>Established<br>1998 for<br>Nutrients and<br>DO                    |
|                                      |                           |   |  |                          | Bacteria   | PS, NPS                       | 2002                   |  |   |
|                                      |                           |   |  |                          | PCBs, Dioxins                                    |                               |                        |  |   |
| DE010-001-03<br>(19.5 miles)         | Appoquinimink<br>River    | Drawyer Creek   | From the headwaters of<br>Drawyer Creek to the<br>confluence with the<br>Appoquinimink River,<br>including Shallcross Lake | 8.2 miles                | Bacteria, Nutrients,<br>DO                       | NPS                           | 1996                   | 2001<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria) |   |
|                                      |                           |   | Tributary of Drawyer<br>Creek--from the<br>confluence of the<br>headwaters to the<br>confluence with the<br>mainstem       | 2.30 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2011   |   |
|                                      |                           |   | Western tributary of the<br>headwaters of Drawyer<br>Creek to its confluence   | 2.20 miles               | Habitat  | NPS                           | 1998                   | 2011   |   |
| DE010-001-03<br>(19.5 miles)         | Appoquinimink<br>River    | Drawyer Creek   | Tidal Portion  | 5.45 miles               | PCBs, DDT  | NPS                           | 2002                   | 2011   |   |
| DE010-002-01<br>(3.4 miles)          | Appoquinimink<br>River    | Wiggins Mill<br>Pond to<br>confluence with<br>Silver Lake | From the headwaters of<br>Wiggins Mill Pond to the<br>confluence with<br>Noxontown Pond                                    | 3.4 miles                | Bacteria, DO                                     | NPS                           | 1996                   | 2001<br>(for DO and<br>Nutrients)<br>2006<br>(for Bacteria)    |   |
|                                      |                           |   | From the confluence of<br>the headwaters of<br>Wiggins Mill Pond to the<br>confluence with<br>Noxontown Pond               | 1.62 miles               | Biology  | NPS                           | 1998                   |  |   |
| DE010-002-02<br>(4.4 miles)          | Appoquinimink<br>River    | Deep Creek to<br>confluence with<br>Silver Lake           | From the headwaters of<br>Deep Creek to confluence<br>with Silver Lake,<br>excluding Silver Lake                           | 2.4 miles                | Bacteria, Nutrients                              | NPS                           | 2002                   | 2001<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria) | DO, listed in<br>1996, Delisted<br>2002 based on<br>2002 305(b)<br>report |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME      | SEGMENT         | DESCRIPTION  | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL                                     | TMDL AND<br>LISTING<br>STATUS |
|------------------------------|------------------------|-----------------|--|------------------|---|-----------------------|----------------|--|-------------------------------|
|                              |                        |                 | First western tributary<br>after the headwaters of<br>Silver Lake  | 1.98 miles       | Biology                                 | NPS                   | 1998           | 2011   |                               |
|                              |                        |                 | Deep Creek-- from the<br>confluence of the<br>headwaters to<br>Appoquinimink River                             | 1.84 miles       | Biology                                 | NPS                   | 1998           | 2011   |                               |
| DE010-L01<br>(158.6 acres)   | Appoquinimink<br>River | Noxontown Pond  | Pond southwest of Odessa   | 158.6 acres      | Bacteria, Nutrients                     | NPS                   | 1998           | 2001<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria) |                               |
| DE010-L02<br>(38.7 acres)    | Appoquinimink<br>River | Silver Lake     | Lake adjacent to<br>Middletown, below Deep<br>Creek  | 38.7 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2001<br>(for<br>Nutrients and<br>DO)<br>2006<br>(for Bacteria) |                               |
|                              |                        |                 |  |                  | PCB, Dieldrin,<br>DDT, Dioxin           | NPS                   | 2002           | 2011<br>(for PCB,<br>Dieldrin,<br>DDT and<br>Dioxin)           |                               |
| DE010-L03<br>(43.1 acres)    | Appoquinimink<br>River | Shallcross Lake | Lake above Drawyer<br>Creek  | 43.1 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2001<br>(for<br>Nutrients)<br>2006<br>(for Bacteria)           |                               |
| DE030-001<br>(13.8 miles)    | Blackbird Creek        | Lower Blackbird | Tidal segment from Route<br>13 to mouth of the<br>Delaware River   | 13.8 miles       | DO, Nutrients                           | NPS                   | 1996           | 2006   |                               |
|                              |                        |                 |  |                  | Bacteria                                | NPS                   | 2002           |  |                               |
| DE030-002<br>(13.6 miles)    | Blackbird Creek        | Upper Blackbird | Nontidal segment from<br>headwaters to Route 13  | 13.6 miles       | Bacteria, DO,<br>Nutrients              | NPS                   | 1996           | 2006   |                               |
|                              |                        |                 | First eastern tributary<br>after the headwaters to the<br>confluence with Blackbird<br>Creek                   | 2.19 miles       | Biology                                 | NPS                   | 1998           | 2011   |                               |
|                              |                        |                 | Upper Blackbird Creek--<br>from the confluence of the<br>headwaters to the<br>confluence with Barlow<br>Branch | 2.11 miles       | Biology                                 | NPS                   | 1998           | 2011   |                               |



| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>              | <b>DESCRIPTION</b>   | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b> |
|--------------------------------------|---------------------------|-----------------------------|--|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
|                                      |                           |                             | From the confluence of the headwaters to the confluence with Barlow Branch                             | 2.27 miles               | Biology  | NPS                           | 1998                   | 2011                                |  |
| DE030-003<br>(9.7 miles)             | Blackbird Creek           | Tributaries on the mainstem | Sandom Branch to the confluence with Blackbird Creek ( upper half )                                    | 1.16 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                             | Sandom Branch to the confluence with Blackbird Creek ( lower half )                                    | 1.16 miles               | Habitat  | NPS                           | 1998                   | 2011                                |  |
| DE310-001<br>(10.2 miles)            | Smyrna River              | Lower Smyrna River          | From the head of tide to the Delaware River  | 10.2 miles               | DO, Nutrients                                    | NPS                           | 1996                   | 2006                                |  |
|                                      |                           |                             |  |                          | Bacteria   |                               | 2002                   |                                     |  |
| DE310-002<br>(6.3 miles)             | Smyrna River              | Mill Creek                  | From the headwaters to Lake Como   | 5.2 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2006                                |  |
|                                      |                           |                             |  |                          | DO   |                               | 2002                   |                                     |  |
|                                      |                           |                             | From the headwaters to Lake Como   | 2.18 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                             | Providence Creek--from the confluence of the headwaters of Mill Creek to the confluence with Lake Como |                          |  |                               |                        |                                     |  |
| DE310-003<br>(58.0 miles)            | Smyrna River              | Tributary of Smyrna River   | Tributaries from the headwaters to the confluence with Delaware Bay                                    | 4.2 miles                | Bacteria, Nutrients                              | NPS                           | 1998                   | 2006                                |  |
|                                      |                           |                             | From the confluence of the headwaters of Paw Paw Branch to the confluence with Providence Creek        | 2.68 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                             | First eastern tributary after the headwaters of Paw Paw Branch to the confluence with Smyrna River     | 0.86 miles               | Habitat  | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                             | Eastern tributary of the headwaters of Sawmill Branch to its confluence                                | 0.67 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                             | Sawmill Branch--from the confluence of the headwaters to the next larger stream order                  | 3.81 miles               | Biology  | NPS                           | 1998                   | 2011                                |  |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME | SEGMENT   | DESCRIPTION  | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL                | TMDL AND<br>LISTING<br>STATUS |
|------------------------------|-------------------|---|--|------------------|---|-----------------------|----------------|---|-------------------------------|
| DE310-L01<br>(82.0 acres)    | Smyrna River      | Lake Como and<br>Duck Creek<br>Pond   | Lake Como in Smyrna  | 82.0 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2006                                      |                               |
| DE160-001<br>(13.6 miles)    | Leipsic River     | Lower Leipsic<br>River  | From dam at Garrisons<br>Lake to mouth at<br>Delaware River  | 13.6 miles       | Bacteria, Nutrients,<br>DO              | NPS                   | 1996           | 2006                                      |                               |
| DE160-002<br>(24.5 miles)    | Leipsic River     | Upper Leipsic<br>River  | From headwaters to<br>Garrisons Lake, excluding<br>Masseys Mill Pond   | 5.8 miles        | Bacteria, DO,<br>Nutrients              | NPS                   | 1996           | 2006                                      |                               |
|                              |                   |   | From the start of the third<br>order stream on Pinks<br>Branch to the confluence<br>with Garrison Lake                             | 2.70 miles       | Biology and DO                          | NPS                   | 1998           | 2006<br>(for DO)<br>2011<br>(for Biology) |                               |
|                              |                   |   | Tributary of Leipsic<br>River--from the<br>confluence of the<br>headwaters to the<br>confluence with Leipsic<br>River              | 0.93 miles       | Biology                                 | NPS                   | 1998           | 2011                                      |                               |
| DE160-003<br>(37.2 miles)    | Leipsic River     | Tributary from<br>the dam at<br>Garrisons Lake<br>to mouth at<br>Delaware Bay | From the confluence of<br>the headwaters of Alston<br>Branch to the confluence<br>Leipsic River                                    | 2.16 miles       | Biology                                 | NPS                   | 1998           | 2011                                      |                               |
|                              |                   |   | Tributary of Leipsic<br>River--eastern tributary of<br>the headwaters to its<br>confluence   | 0.91 miles       | Habitat                                 | NPS                   | 1998           | 2011                                      |                               |
| DE160-L01<br>(85.9 acres)    | Leipsic River     | Garrisons Lake  | Lake south of Smyrna   | 85.9 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2006                                      |                               |
|                              |                   |   |  |                  | DO                                      | NPS                   | 2002           |   |                               |
| DE160-L02<br>(30.0 acres)    | Leipsic River     | Masseys Mill<br>Pond  | Pond south of Clayton  | 30.0 acres       | Bacteria, DO,<br>Nutrients              | NPS                   | 1996           | 2006                                      |                               |
| DE190-001-01<br>(2.9 miles)  | Little River      | Lower Little<br>River   | From the confluence of<br>Upper Little River and<br>Pipe Elm Branch with the<br>Lower Little River to the<br>mouth at Delaware Bay | 2.9 miles        | DO, Nutrients                           | NPS                   | 1996           | 2006                                      |                               |
|                              |                   |   |  |                  | Bacteria                                | NPS                   | 2002           |   |                               |
| DE190-001-02<br>(10.2 miles) | Little River      | Upper Little<br>River   | From the headwaters to<br>the confluence with<br>Lower Little River  | 5.5 miles        | Bacteria, DO,<br>Nutrients              | NPS                   | 1996           | 2006                                      |                               |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>    | <b>DESCRIPTION</b>   | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b>  | <b>TMDL AND<br/>LISTING<br/>STATUS</b>                        |
|--------------------------------------|---------------------------|-------------------|--|--------------------------|--|-------------------------------|------------------------|--|---|
|                                      |                           |                   | Morgan Branch--from the confluence of the headwaters to the confluence with the next larger stream order | 0.60 miles               | Habitat  | NPS                           | 1998                   | 2011   |   |
|                                      |                           |                   | Start of the third order stream near the headwaters of Little River to the confluence with Morgan Branch | 4.14 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2011   |   |
| DE190-001-03<br>(2.1 miles)          | Little River              | Pipe Elm Branch   | From the headwaters to the confluence with Little River  | 2.1 miles                | Bacteria, DO, Nutrients                          | NPS                           | 1996                   | 2006   |   |
| DE290-001-01<br>(12.9 miles)         | Saint Jones River         | Lower Saint Jones | From Old Lebanon Bridge to the mouth of Delaware Bay   | 8.3 miles                | DO, PCBs, Nutrients                              | NPS                           | 1996                   | 2006<br>(for Bacteria, Nutrients and DO)<br>2011<br>(for PCBs, Dioxin, Mercury, Arsenic) |   |
|                                      |                           |                   |  |                          | Bacteria, Dioxin, Mercury, Arsenic               |                               | 2002                   |  |   |
| DE290-001-02<br>(11.2 miles)         | Saint Jones River         | Upper Saint Jones | From the dam at Silver Lake to Old Lebanon Bridge at Road 357  | 6.7 miles                | Bacteria, DO, PCBs, Nutrients                    | NPS                           | 1996                   | 2006<br>(for Bacteria, Nutrients and DO)<br>2011<br>(for PCBs, Dioxin, Mercury, Arsenic) |   |
|                                      |                           |                   |  |                          | Dioxin, Mercury, Arsenic                         |                               | 2002                   |  |   |
|                                      |                           |                   | Tributary of Silver Lake in Dover  | 0.32 miles               | Habitat  | NPS                           | 1998                   | 2011   |   |
|                                      |                           |                   | Puncheon Branch--from the confluence of the headwaters to the confluence with the Saint Jones River      | 1.84 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2011   |   |
| DE290-002<br>(17.0 miles)            | Saint Jones River         | Isaac Branch      | From the headwaters to the confluence with Saint Jones River, excluding Moores Lake                      | 9.1 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2006   | DO, listed in 1996, Delisted 2002 based on 2002 305(b) report |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b> | <b>DESCRIPTION</b>  | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b> |
|--------------------------------------|---------------------------|----------------|---|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
|                                      |                           |                | From the confluence of Allabands Mill Stream to the confluence with Saint Jones River                         | 3.62 miles               | Biology  | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                | From the confluence of the headwaters of Almhouse Branch to the confluence of Isaac Branch                    | 2.50 miles               | Biology  | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                | Second tributary upstream of Wyoming Lake on Isaac Branch   | 1.28 miles               | Habitat  | NPS                           | 1998                   | 2011                                |  |
| DE290-002<br>(17.0 miles)            | Saint Jones River         | Isaac Branch   | Wyoming Mill Pond   | 28.5 Acres               | PCB, Dioxin, DDT                                 | NPS                           | 2002                   | 2011                                |  |
|                                      |                           |                | From the headwaters to Silver Lake in Dover   | 7.7 miles                | Bacteria, DO, Nutrients                          | NPS                           | 1996                   | 2006                                |  |
|                                      |                           |                | Cahoon Branch--from the confluence of the headwaters to the confluence with the next larger stream order      | 2.33 miles               | Habitat  | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                | Maidstone Branch- from the confluence of the third order stream to the confluence with Cahoon Branch          | 3.09 miles               | Biology  | NPS                           | 1998                   | 2011                                |  |
| DE290-003<br>(39.5Miles)             | Saint Jones River         | Fork Branch    | Tributary to Maidstone Branch---from the confluence of the headwaters to the confluence with Maidstone Branch | 0.13 miles               | Habitat  | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                | Fork Branch--from the start of the third order stream to the confluence with Silver Lake in Dover             | 6.24 miles               | Habitat and DO                                   | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                | From the start of the third order stream on Cahoon Branch to the confluence with Maidstone Branch             | 1.28 miles               | Biology  | NPS                           | 1998                   | 2011                                |  |
| DE290-004                            | Saint Jones River         | Tidbury Branch | From below Derby Pond   | 3.8 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2006                                |  |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME | SEGMENT             | DESCRIPTION   | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL   | TMDL AND<br>LISTING<br>STATUS   |
|------------------------------|-------------------|---------------------|---|------------------|---|-----------------------|----------------|--|---|
| (11.5 miles)                 |                   |                     | to the confluence with the Saint Jones River  |                  | DO                                      |                       | 2002           |  |   |
|                              |                   |                     | From the confluence of the headwaters of Tidbury Creek to the confluence with Derby Pond          | 1.08 miles       | Biology and Habitat                     | NPS                   | 1998           | 2011   |   |
|                              |                   |                     | Tributary of Tidbury Creek--from the headwaters to the confluence with Tidbury Creek              | 0.75 miles       | Habitat                                 | NPS                   | 1998           | 2011   |   |
|                              |                   |                     | Red House Branch--from the confluence of the headwaters to the confluence with Derby Pond         | 0.71 miles       | Biology                                 | NPS                   | 1998           | 2011   |   |
|                              |                   |                     | Tidbury Creek--from the confluence with Derby Pond to the confluence with Lower Saint Jones River | 4.53 miles       | Biology                                 | NPS                   | 1998           | 2011   |   |
| DE290-L01<br>(27.1 acres)    | Saint Jones River | Moores Lake         | Lake east of Camden   | 27.1 acres       | Bacteria, PCBs,<br>Nutrients            | NPS                   | 1996           | 2006<br>(for Bacteria,<br>DO And<br>Nutrients)<br>2011<br>(for PCBs<br>and DDT)            | DO, listed in<br>1996, Delisted<br>2002 based on<br>2002 305(b)<br>report |
|                              |                   |                     |   |                  | DDT                                     |                       | 2002           |  |   |
| DE290-L02<br>(157.8 acres)   | Saint Jones River | Silver Lake         | Silver Lake at Dover  | 157.8 acres      | Bacteria, Nutrients,<br>PCBs            | NPS                   | 1996           | 2006<br>(for Bacteria<br>and<br>Nutrients)<br>2011<br>(for PCBs,<br>Dioxin and<br>Mercury) |   |
|                              |                   |                     |   |                  | Dioxin, Mercury                         |                       | 2002           |  |   |
| DE290-L03<br>(23.1 acres)    | Saint Jones River | Derby Pond          | Pond south of Wyoming   | 23.1 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2006   |   |
| DE220-001<br>(27.5 miles)    | Murderkill River  | Lower<br>Murderkill | From the confluence with Spring Creek to the mouth at Delaware Bay                                | 7.6 miles        | Nutrients, DO                           | PS, NPS               | 1996           | 2006   | TMDL<br>Established<br>2001 for<br>Nutrients and<br>DO                    |
|                              |                   |                     |   |                  | Bacteria                                |                       | 2002           |  |   |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>         | <b>DESCRIPTION</b>   | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b>     |
|--------------------------------------|---------------------------|------------------------|--|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
| DE220-002<br>(36.5 miles)            | Murderkill River          | Spring Creek           | From the headwaters to the confluence with Murderkill River , excluding Andrews Lake and McGinnis Pond | 15.8 miles               | Bacteria, Nutrients DO                           | PS, NPS                       | 1996                   | 2006<br>(for Bacteria)              | TMDL Established 2001 for Nutrients and DO |
|                                      |                           |                        | Tributary of Hudson River--from the headwaters to the confluence with the next larger stream order     | 0.49 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                        | Pratt Branch--eastern tributary of the headwaters to its confluence                                    | 1.27 miles               | Biology  | NPS                           | 1998                   | 2011                                |  |
| DE220-003<br>(16.2 miles)            | Murderkill River          | Mid Murderkill River   | From McCauley and Coursey Pond to the confluence with Spring Creek                                     | 9.2 miles                | Bacteria, Nutrients                              | PS, NPS                       | 1996                   | 2006<br>(for Bacteria)              | TMDL Established 2001 for Nutrients and DO |
|                                      |                           |                        | Ash Gut-- from the headwaters to the confluence with the next larger stream order                      | 1.04 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2011                                |  |
| DE220-004<br>(24.1 miles)            | Murderkill River          | Browns Branch          | From the headwaters adjacent to Harrington to the confluence with McCauley Pond                        | 8.8 miles                | Bacteria, DO, Nutrients                          | NPS                           | 1998                   | 2006<br>(for Bacteria)              | TMDL Established 2001 for Nutrients and DO |
|                                      |                           |                        | Tributary of Browns Branch--from the confluence of the headwaters to the confluence with Browns Branch | 1.77 miles               | Biology and Habitat                              | NPS                           | 1998                   | 2011                                |  |
| DE220-005<br>(21.7 miles)            | Murderkill River          | Upper Murderkill River | From the headwaters to the confluence with Coursey pond, excluding Killens and Coursey Ponds           | 7.4 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2006<br>(for Bacteria)              | TMDL Established 2001 for Nutrients and DO |
|                                      |                           |                        | Spring Branch--tributary on Coursey Pond   | 2.52 miles               | Biology  | NPS                           | 1998                   | 2011                                |  |
|                                      |                           |                        | Fan Branch--from the headwaters to the confluence with Murderkill River                                | 2.31 miles               | Habitat, DO, Temperature                         | NPS                           | 1998                   | 2011                                |  |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME | SEGMENT          | DESCRIPTION  | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL | TMDL AND<br>LISTING<br>STATUS                          |
|------------------------------|-------------------|------------------|--|------------------|---|-----------------------|----------------|----------------------------|--|
|                              |                   |                  | Tributary of Black<br>Swamp Creek--from the<br>headwaters to its<br>confluence   | 0.28 miles       | Habitat                                 | NPS                   | 1998           | 2011                       |  |
|                              |                   |                  | Beaver Dam Branch--<br>from the confluence of the<br>headwaters to the<br>confluence with<br>Murderkill River and<br>Black Swamp Creek | 2.96 miles       | Biology                                 | NPS                   | 1998           | 2011                       |  |
|                              |                   |                  | Black Swamp Creek--<br>from the headwaters of<br>Black Swamp to the<br>confluence with the next<br>larger stream order                 | 0.75 miles       | Biology, Habitat,<br>and DO             | NPS                   | 1998           | 2011                       |  |
| DE220-L01<br>(31.3 acres)    | Murderkill River  | McGinnis Pond    | Pond east of Viola   | 31.3 acres       | Bacteria, Nutrients                     | NPS                   | 1998           | 2006<br>(for Bacteria)     | TMDL<br>Established<br>2001 for<br>Nutrients and<br>DO |
|                              |                   |                  |  |                  | DO                                      | NPS                   | 2002           |                            |  |
| DE220-L02                    | Murderkill River  | Andrews Lake     | Pond West of Frederica   | 17.5acres        | Bacteria, Nutrients                     | NPS                   | 2002           | 2006<br>(for Bacteria)     | TMDL<br>Established<br>2001 for<br>Nutrients and<br>DO |
| DE220-L03<br>(58.1 acres)    | Murderkill River  | Coursey Pond     | Pond southwest of<br>Frederica   | 58.1 acres       | Nutrients                               | NPS                   | 1996           | 2006<br>(for Bacteria)     | TMDL<br>Established<br>2001 for<br>Nutrients and<br>DO |
|                              |                   |                  |  |                  | Bacteria                                |                       | 2002           |                            |  |
| DE220-L04<br>(75.1 acres)    | Murderkill River  | Killens Pond     | Pond southwest of Felton   | 75.1 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2006<br>(for Bacteria)     | TMDL<br>Established<br>2001 for<br>Nutrients and<br>DO |
| DE220-L05<br>(49.0 acres)    | Murderkill River  | McCauley Pond    | Pond northeast of<br>Harrington  | 49.0 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2006<br>(for Bacteria)     | TMDL<br>Established<br>2001 for<br>Nutrients and<br>DO |
| DE210-001<br>(13.2 miles)    | Misphillion River | Lower Mispillion | From dam at Silver Lake<br>to mouth at Delaware Bay  | 13.2 miles       | Bacteria, DO,<br>Nutrients              | NPS                   | 1996           | 2006                       |  |

| WATERBODY ID<br>(TOTAL SIZE) | WATERSHED<br>NAME | SEGMENT                                      | DESCRIPTION   | SIZE<br>AFFECTED | POLLUTANT(S)<br>AND / OR<br>STRESSOR(S) | PROBABLE<br>SOURCE(S) | YEAR<br>LISTED | TARGET<br>DATE FOR<br>TMDL | TMDL AND<br>LISTING<br>STATUS                                 |
|------------------------------|-------------------|--|---|------------------|---|-----------------------|----------------|----------------------------|---|
| DE210-002<br>(11.2 miles)    | Mispillion River  | Upper Mispillion                             | From the headwaters to Silver Lake in Milford, excluding Silver, Haven, and Griffith Lakes; Blairs, Abbotts, and Tub Mill Ponds | 11.2 miles       | Bacteria, DO, Nutrients                 | NPS                   | 1996           | 2006                       |   |
|                              |                   |  | Tantrough Branch--from the headwaters to the confluence with Blairs Pond  | 3.24 miles       | Biology                                 | NPS                   | 1998           | 2011                       |   |
|                              |                   |  | Beaverdam Branch--western tributary of the headwaters to its confluence   | 2.69 miles       | Biology                                 | NPS                   | 1998           | 2011                       |   |
| DE210-003<br>(9.8 miles)     | Mispillion River  | Johnson Branch including its tributaries     | Johnson Branch--from the confluence of the headwaters to the confluence with Haven Lake   | 4.02 miles       | Habitat                                 | NPS                   | 1998           | 2011                       |   |
| DE210-004<br>(5.6 miles)     | Mispillion River  | Tributary from the headwaters to Silver Lake | Lednum Branch---eastern tributary of the headwaters to its confluence   | 1.31 miles       | Habitat                                 | NPS                   | 1998           | 2011                       |   |
| DE210-L01<br>(4.8 acres)     | Mispillion River  | Tub Mill Pond                                | Pond north of Milford   | 4.8 acres        | Nutrients                               | NPS                   | 1996           | 2006                       |   |
| DE210-L02<br>(28.5 acres)    | Mispillion River  | Silver Lake                                  | Silver Lake at Milford  | 28.5 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2006                       |   |
| DE210-L03<br>(82.5 acres)    | Mispillion River  | Haven Lake                                   | Lake west of Milford; upstream of Silver Lake   | 82.5 acres       | Nutrients, DO                           | NPS                   | 1996           | 2006                       |   |
|                              |                   |  |   |                  | Bacteria                                |                       | 2002           |                            |   |
| DE210-L04<br>(32.2 acres)    | Mispillion River  | Griffith Lake                                | Lake west of Milford; upstream of Haven Lake  | 32.2 acres       | Nutrients                               | NPS                   | 1996           | 2006                       |   |
| DE210-L05<br>(28.5 acres)    | Mispillion River  | Blairs Pond                                  | Pond southwest of Milford   | 28.5 acres       | Bacteria, Nutrients                     | NPS                   | 1996           | 2006                       | DO, listed in 1996, Delisted 2002 based on 2002 305(b) report |
| DE210-L06<br>(25.6 acres)    | Mispillion River  | Abbotts Mill Pond                            | Pond southwest of Milford   | 25.6 acres       | Bacteria, Nutrients                     | NPS                   | 1998           | 2006                       |   |
|                              |                   |  |   |                  | DO                                      | NPS                   | 2002           |                            |   |
| DE080-001<br>(21.8 miles)    | Cedar Creek       | Lower Cedar Creek                            | Tidal segment from Cedar Creek Mill Pond to mouth at Delaware Bay   | 8.8 miles        | DO, Bacteria, Nutrients                 | NPS                   | 1996           | 2006                       |   |



| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>           | <b>DESCRIPTION</b>   | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b>                        |
|--------------------------------------|---------------------------|--------------------------|--|--------------------------|--|-------------------------------|------------------------|-------------------------------------|---|
| DE080-002<br>(22.9 miles)            | Cedar Creek               | Upper Cedar<br>Creek     | From the headwaters to Cedar Creek Mill Pond, including Church Branch and Cedar Mill Pond, Cabbage Pond, Clendaniel Pond and Hudson Pond | 13.0 miles               | Bacteria, Nutrients                              | NPS                           | 1996                   | 2006                                |   |
| DE060-001<br>(10.6 miles)            | Broadkill River           | Lower Broadkill          | From the confluence with Beaver Dam Creek to mouth at Delaware Bay, excluding Red Mill Pond  | 8.1 miles                | Nutrients, DO                                    | NPS                           | 1996                   | 2006                                |   |
|                                      |                           |                          |  |                          | Bacteria   |                               | 2002                   |                                     |   |
| DE060-002<br>(8.3 miles)             | Broadkill River           | Beaverdam<br>Creek       | From the headwaters to the confluence with Broadkill River   | 8.3 miles                | Bacteria, Nutrients                              | PS, NPS                       | 1996                   | 2006                                |   |
|                                      |                           |                          |  |                          | DO   |                               | 2002                   |                                     |   |
| DE060-003<br>(7.5 miles)             | Broadkill River           | Upper Broadkill<br>River | Broadkill River from below Waggamons Pond to the confluence with Beaver Dam Creek  | 5.0 miles                | Bacteria, Nutrients                              | PS, NPS                       | 1998                   | 2006                                |   |
| DE060-004<br>(5.2 miles)             | Broadkill River           | Round Pole<br>Branch     | Tributary from the headwaters to confluence with Upper Broadkill River   | 5.2 miles                | Bacteria, DO,<br>Nutrients                       | NPS                           | 1996                   | 2006                                |   |
| DE060-005<br>(13.0 miles)            | Broadkill River           | Ingrams Branch           | From the headwaters to Waggamons Pond, including Diamond Pond  | 7.6 miles                | Bacteria, DO,<br>Nutrients                       | NPS                           | 1996                   | 2006                                |   |
|                                      |                           |                          | Ingrams Branch-- western tributary of the headwaters   | 1.70 miles               | Habitat and DO                                   | NPS                           | 1998                   | 2006<br>(DO)<br>2011<br>(Habitat)   |   |
| DE060-006<br>(8.7 miles)             | Broadkill River           | Pemberton<br>Branch      | From the headwaters to Waggamons Pond  | 5.0 miles                | Bacteria, Nutrients                              | NPS                           | 1996                   | 2006                                |   |
| DE060-007-01<br>(5.3 miles)          | Broadkill River           | Lower Red Mill<br>Branch | From Red Mill Pond to the confluence with Lower Broadkill River  | 5.3 miles                | Nutrients  | NPS                           | 1996                   | 2006                                | DO, listed in 1996, Delisted 2002 based on 2002 305(b) report |
|                                      |                           |                          |  |                          | Bacteria   | NPS                           | 2002                   |                                     |   |
| DE060-007-02<br>(1.5 miles)          | Broadkill River           | Martin Branch            | From the headwaters to Red Mill Pond   | 1.5 miles                | Nutrients, DO                                    | NPS                           | 1996                   | 2006                                |   |
|                                      |                           |                          | Tributary above Red Mill Pond--from start of the second order stream to the confluence with Red Mill Pond                                | 0.06 miles               | Habitat  | NPS                           | 1998                   | 2011                                |   |

| <b>WATERBODY ID<br/>(TOTAL SIZE)</b> | <b>WATERSHED<br/>NAME</b> | <b>SEGMENT</b>                   | <b>DESCRIPTION</b>   | <b>SIZE<br/>AFFECTED</b> | <b>POLLUTANT(S)<br/>AND / OR<br/>STRESSOR(S)</b> | <b>PROBABLE<br/>SOURCE(S)</b> | <b>YEAR<br/>LISTED</b> | <b>TARGET<br/>DATE FOR<br/>TMDL</b> | <b>TMDL AND<br/>LISTING<br/>STATUS</b> |
|--------------------------------------|---------------------------|----------------------------------|--|--------------------------|--|-------------------------------|------------------------|-------------------------------------|--|
| DE060-007-03<br>(1.0 miles)          | Broadkill River           | Heronwood<br>Branch              | From the headwaters to<br>Red Mill Pond                    | 1.0 miles                | Bacteria, DO                                     | NPS                           | 1996                   | 2006                                |  |
| DE060-L01<br>(150.0 acres)           | Broadkill River           | Red Mill Pond                    | Pond located on Martin<br>Branch                           | 150.0 acres              | Bacteria, Nutrients,<br>DO                       | NPS                           | 1996                   | 2006                                |  |
| DE060-L02<br>(35.0 acres)            | Broadkill River           | Waggamons<br>Pond                | Pond adjacent to Milton                                    | 35.0 acres               | Nutrients  | PS, NPS                       | 1996                   | 2006                                |  |
| DE060-L03<br>(88.8 acres)            | Broadkill River           | Waples Pond and<br>Reynolds Pond | Ponds located on<br>Sowbridge Branch of<br>Primehook Creek | 88.8 acres               | Bacteria, Nutrients,<br>DO                       | NPS                           | 1998                   | 2006                                |  |

**DELAWARE ESTUARY BASIN**

|                        |              |             |   |               |                   |             |      |  |  |
|------------------------|--------------|-------------|---|---------------|-------------------|-------------|------|--|--|
| N/A<br>(782.0 sq. mi.) | Delaware Bay | DRBC Zone 6 | From Liston Point to the<br>confluence with the<br>Atlantic Ocean | 782.0 sq. mi. | PCBs, Bacteria    | PS, NPS, SF | 1996 | 2005 (for<br>Bacteria)<br>2006 (for<br>PCBs) |  |
|                        |              |             |   |               | Mercury, Dieldrin |             | 2002 | 2012   |  |

**KEY for Pollutant(s) or Stressor(s):**

DO = Dissolved Oxygen

**KEY for Probable Source(s):**

NPS = Nonpoint Source(s)

PS = Point Source(s)

SF = Superfund Site(s)