

Appendix C. Isle of Wight and Assawoman Bays water quality status

Project Area and Watershed Information	
County Name(s)	Worcester County
Federal Watershed Hydrologic Unit Code (HUC)	n/a
Tributary Strategy Basin Name(s)	Not a strategy shed (Priority 13)
Maryland 8-digit watershed (name, number, area (sq miles))	Assawoman Bay, 02130102, ~11 sq miles
303(d) Listing Information	
First Impairment: 303(d) listing date and type	1996, nutrients
Second Impairment: 303(d) listing date and type	1996, dissolved oxygen
Third Impairment: 303(d) listing date and type	1996, fecal coliform
Total Maximum Daily Loads	
Status and Summary of Model Allocation results from TMDL	
Name of county TMDL contact	Sandy Coyman, (410) 632-5651
TMDL under development or scheduled	n/a
Unsure of status	n/a
Watershed area (sq miles) impacted, or stream miles impacted	n/a
Impairing substance addressed in TMDL	n/a
Designated use	Use II
Source of impairment	NPS, natural
Estimated baseline loads (nonpoint source)	n/a
TMDL allocation	n/a
Reduction needed	n/a

Describe management actions, regulatory or voluntary actions, including management measures or other controls by governments or individuals that specifically apply to the pollutant and the water body for which the TMDL was written, and that will help achieve load allocations in the TMDL.			
Entity:	Name of regulation or ordinance:	Description:	Status:
Worcester County and private property owner	Program Open Space	~516 acres of preserved land adjacent to the Assawoman Bay	County maintains property for protection of natural resources
Worcester County	Comprehensive Plan	Agriculture, conservation, and existing development character remains	Comprehensive rezoning scheduled for 2007

Appendix C. Isle of Wight and Assawoman Bays water quality status

Project Area and Watershed Information	
County Name(s)	Worcester County
Federal Watershed Hydrologic Unit Code (HUC)	n/a
Tributary Strategy Basin Name(s)	Not a strategy shed (Priority 13)
Maryland 8-digit watershed (name, number, area (sq miles))	Isle of Wight Bay, 02130103, ~52 sq miles
303(d) Listing Information	
First Impairment: 303(d) listing date and type	1996, nutrients
Second Impairment: 303(d) listing date and type	1996, dissolved oxygen
Third Impairment: 303(d) listing date and type	1996, fecal coliform
Total Maximum Daily Loads Status and Summary of Model Allocation results from TMDL	
Name of county TMDL contact	Sandy Coyman, (410) 632-5651
TMDL under development or scheduled	April 17, 2002
Unsure of status	Complete
Watershed area (sq miles) impacted, or stream miles impacted	~52 sq. miles
Impairing substance addressed in TMDL	Nitrogen and Phosphorus
Designated use	Use II
Source of impairment	Nonpoint and point sources
Estimated baseline loads (nonpoint source) *includes Delaware portions	Turville Creek – 37,374 lbs/yr Herring Creek – 13,793 lbs/yr St. Martin River – 223,658 lbs/yr (includes streams below) Bishopville Prong – 92,689 lbs/yr Shingle Landing Prong – 107,763 lbs/yr
TMDL allocation	Turville Creek – 23,645 lbs/yr Herring Creek – 8,592 lbs/yr St. Martin River – 141,453 lbs/yr (includes streams below) Bishopville Prong – 71,644 lbs/yr Shingle Landing Prong – 61,699 lbs/yr
Reduction needed	Turville Creek – 13,729 lbs/yr Herring Creek – 5,201 lbs/yr St. Martin River – 82,205 lbs/yr (includes streams below) Bishopville Prong – 21,045 lbs/yr Shingle Landing Prong – 46,064 lbs/yr

Appendix C. Isle of Wight and Assawoman Bays water quality status

Isle of Wight continued

Describe management actions, regulatory or voluntary actions, including management measures or other controls by governments or individuals that specifically apply to the pollutant and the water body for which the TMDL was written, and that will help achieve load allocations in the TMDL.			
Entity:	Name of regulation or ordinance:	Description:	Status:
Worcester County	Comprehensive Plan	New growth area located within watershed and adjacent to existing developed areas- exploring spray irrigation.	Comprehensive rezoning scheduled for 2007
Worcester County	319 grant funding	3 wetland creation projects in Ocean Pines	complete
Worcester County	Critical Area	Protects shoreline from further degradation	Currently administered by Development Review and Permitting Department
State Highway Administration, Maryland Coastal Bays Program, and Worcester County	Wetlands mitigation	Removing Bishopville dam to improve fish passage, remove sediment and create Atlantic White Cedar habitat	In progress
Worcester County	Upgrade Isle of Wight WRAS	Revise existing document to include EPA's "a" through "i" criteria	Begins July 2007