

Each Watershed Report Card covers a single 12 digit Hydrologic Unit Code (HUC12), on average a 34 square mile area. Each Watershed Report Card has three components;

1. REPORT CARD - A one page card that summarizes the overall use support for Aquatic Life, Primary Contact (i.e. Swimming), and Secondary Contact (i.e. Boating) Designated Uses on every Assessment Unit ID (AUID) within the HUC12.
2. HUC 12 MAP - A map of the watershed with abbreviated labels for each AUID within the HUC12. **New for 2010, all AUIDs have been rebuilt on 1:24,000 hydrography and the maps have been built on an 11"x17" format.**
3. ASSESSMENT DETAILS - Anywhere from one to forty pages with the detailed assessment information for each and every AUID in the Report Card and Map.

How are the Surface Water Quality Assessment determinations made?

All readily available data with reliable Quality Assurance/Quality Control is used in the biennial surface water quality assessments. For a full understanding of how the Surface Water Quality Standards (Env-Wq 1700) are translated into surface water quality assessments we urge the reader to review the 2012 Consolidated Assessment and Listing Methodology (CALM) at

<http://des.nh.gov/organization/divisions/water/wmb/swqa/2012/documents/2012-calm.pdf>

Where can I find more advanced mapping resources?

GIS shapefiles and google earth KML map files are accessible from

<http://des.nh.gov/organization/divisions/water/wmb/swqa/2012/documents/2012-gis-layers-aus.pdf>

How are assessments coded in the report card?

Assessment outcomes are displayed on a color scale as well as an alpha numeric scale that provides additional distinctions for the designated use and parameter level assessments as outlined in the table below.

		Severe	Poor	Likely Bad	No Data	Likely Good	Marginal	Good
		Not Supporting, Severe	Not Supporting, Marginal	Insufficient Information – Potentially Not Supporting	No Data	Insufficient Information – Potentially Full Supporting	Full Support, Marginal	Full Support, Good
CATEGORY	Description							
*Category 2	Meets standards						2-M or 2-OBS	2-G
Category 3	Insufficient Information			3-PNS	3-ND	3-PAS		
Category 4	Does not Meet Standards;							
4A	TMDL^ Completed	4A-P	4A-M or 4A-T					
4B	Other enforceable measure will correct the issue.	4B-P	4B-M or 4B-T					
4C	Non-pollutant (i.e. exotic weeds)	4C-P	4C-M					
Category 5	TMDL^ Needed	5-P	5-M or 5-T					

* "Category 1" only exists at the Assessment Unit Level.

^ TMDL stands for Total Maximum Daily Load studies (<http://des.nh.gov/organization/divisions/water/wmb/tmdl/index.htm>)

DRAFT WATERSHED 305(b) ASSESSMENT SUMMARY REPORT:

HUC 12 010600020902

HUC 12 NAME SOUTH RIVER

(Locator map on next page only applies to this HUC12)

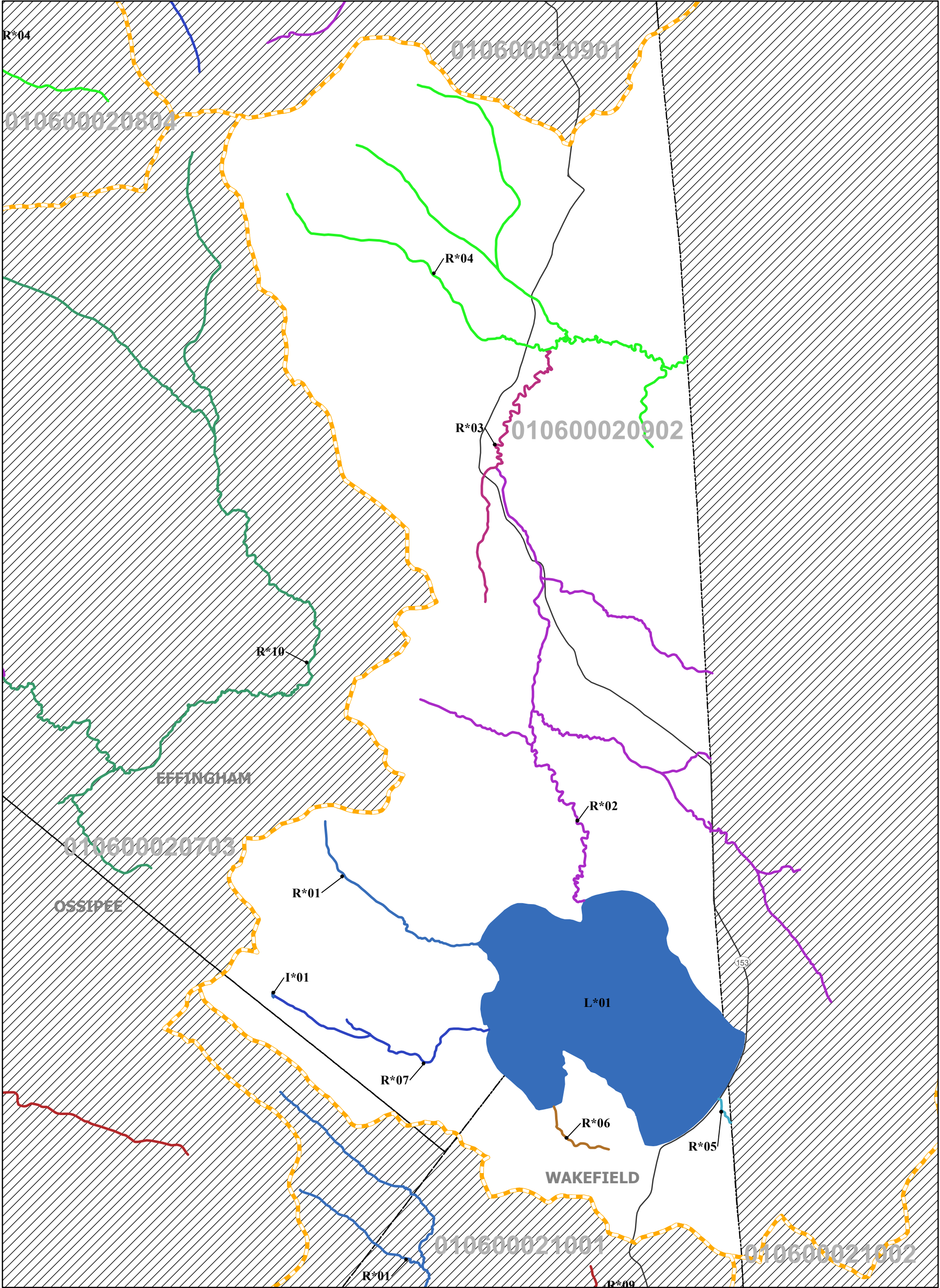
Assessment Cycle 2012

Good	Full Support Good
Marginal	Full Support Marginal
Likely Good	Insufficient Information – Potentially Full Support
No Data	No Data
Likely Bad	Insufficient Information – Potentially Not Support
Poor	Not Support Marginal
Severe	Not Support Severe



ASSESSMENT UNIT ID	MAP LABEL	ASSESSMENT UNIT NAME	AQUATIC LIFE	SWIMMING	BOATING	FISH CONSUMP.
NHIMP600020902-01	I*01	DOWNS DAM	3-ND	3-ND	3-ND	4A-M
NHLAK600020902-01	L*01	PROVINCE LAKE	5-M	5-M	2-M	4A-M
NHRIV600020902-01	R*01	HOBBS BROOK	5-M	3-ND	3-ND	4A-M
NHRIV600020902-02	R*02	SOUTH RIVER - UNNAMED BROOKS	3-PAS	3-PAS	3-PAS	4A-M
NHRIV600020902-03	R*03	SOUTH RIVER - UNNAMED BROOKS	3-ND	3-ND	3-ND	4A-M
NHRIV600020902-04	R*04	SOUTH RIVER - SALMON BROOK - HOBBS BROOK	3-ND	3-ND	3-ND	4A-M
NHRIV600020902-05	R*05	PROVINCE LAKE-RTE 153 INLET	5-P	3-PAS	3-PAS	4A-M
NHRIV600020902-06	R*06	PROVINCE LAKE-ISLAND INLET	5-M	3-ND	3-ND	4A-M
NHRIV600020902-07	R*07	UNNAMED BROOK - CAMPGROUND INLET TO PROVINCE LAKE	5-P	5-M	5-E	4A-M

AUIDs For HUC12: 010600020902 - South River



HUC12 Boundaries

Town Boundaries

Major Roads

Interstate Highway

US Highway

State Highway

Assessment Unit Coloring

AUs Ending with:

0 =

1 =

2 =

3 =

4 =

5 =

6 =

7 =

8 =

9 =



Abbrev. Label

L*03

HUC 12

010700060201

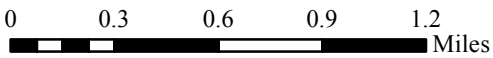
AUID = NH

LAK

700060201

-03

Assessment Unit IDs are derived from the HUC12 they reside within. The labels have been shortened on this map for presentation purposes. Example: the Label "L*03" in HUC12 = 010700060201 represents AUID = "NHLAK700060201-03" In rare cases where an AUID extends beyond the boundary of a single HUC12, additional portions of the end of the HUC 12 number have also been replaced.



Scale:1:35,130

Assessment Unit ID	NHIMP600020902-01	Size	0.3400	ACRES	DRAFT 2012, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit
Assessment Unit Name	DOWNS DAM	Beach	N		
Primary Town	EFFINGHAM	Assessment Unit Category*	3-ND		

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Priority	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	3-ND		Chlorophyll-a	N	3-ND			
			Dissolved oxygen saturation	N	3-ND			
			Oxygen, Dissolved	N	3-ND			
			pH	N	3-ND			
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M			Atmospheric Deposition - Toxics
Primary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Wildlife	3-ND							

Severe Not Supporting, Severe	Poor Not Supporting, Marginal	Likely Bad Insufficient Information - Potentially Not Supporting	No Data No Data	Likely Good Insufficient Information - Potentially Full Supporting	Marginal Full Support, Marginal	Good Full Support, Good
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*DES Categories; 2-G = Supports Parameter well above criteria, 2-M = Supports Parameter marginally above criteria, 2-OBS = Exceeds WQ criteria but natural therefore not a WQ exceedence, 3-ND = Insufficient Information/No data, 3-PAS= Insufficient Information/Potentially Attaining Standard, 3-PNS= Insufficient Information/Potentially Not Attaining Standard, (4A=Impaired/TMDL Completed, 4B=Impaired/Other Measure will rectify Impairment, 4C=Impaired/Non-Pollutant, 5=Impaired/TMDL needed) M=Marginal Impairment, P=Severe Impairment, T=Threatened (<http://des.nh.gov/organization/divisions/water/wmb/swqa/index.htm>)

Assessment Unit ID NHLAK600020902-01
 Assessment Unit Name PROVINCE LAKE
 Primary Town EFFINGHAM

Size 965.6490 ACRES

Beach N

Assessment Unit Category*~ 5-M

**DRAFT 2012, 305(b)/303(d) - All
 Reviewed Parameters by Assessment
 Unit**

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Priority	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	5-M		ALKALINITY, CARBONATE AS CaCO3	N	3-PAS			
			CHLORIDE	N	3-PAS			
			Chlorophyll-a	N	5-M	LOW		Source Unknown
			DISSOLVED OXYGEN SATURATION	N	3-PNS			
			OXYGEN, DISSOLVED	N	3-PAS			
			Phosphorus (Total)	N	5-M	LOW		Source Unknown
			TURBIDITY	N	3-PAS			
			pH	N	4A-M			Atmospheric Deposition - Acidity
Drinking Water After Adequate Treatment	2-G		ESCHERICHIA COLI	N	3-PAS			
			POTASSIUM	N	3-PAS			
			SULFATES	N	3-PAS			
Fish Consumption	4A-M		Mercury	N	4A-M			Atmospheric Deposition - Toxics
Primary Contact Recreation	5-M		CHLOROPHYLL-A	N	2-G			
			Cyanobacteria hepatotoxic microcystins	N	5-M	LOW		Source Unknown
			ESCHERICHIA COLI	N	2-M			
Secondary Contact Recreation	2-M		ESCHERICHIA COLI	N	2-M			
Wildlife	3-ND							

Severe Not Supporting, Severe	Poor Not Supporting, Marginal	Likely Bad Insufficient Information - Potentially Not Supporting	No Data No Data	Likely Good Insufficient Information - Potentially Full Supporting	Marginal Full Support, Marginal	Good Full Support, Good
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Assessment Unit ID NHRIV600020902-01
 Assessment Unit Name HOBBS BROOK
 Primary Town EFFINGHAM

Size 1.3280 MILES

Beach N

Assessment Unit Category*~ 5-M

**DRAFT 2012, 305(b)/303(d) - All
 Reviewed Parameters by Assessment
 Unit**

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Priority	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	5-M		Benthic-Macroinvertebrate Bioassessments (Streams)	N	3-ND			
			Dissolved oxygen saturation	N	3-ND			
			Fishes Bioassessments (Streams)	N	3-ND			
			Oxygen, Dissolved	N	3-ND			
			pH	N	5-M	LOW		Source Unknown
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M			Atmospheric Deposition - Toxics
Primary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Wildlife	3-ND							

Severe Not Supporting, Severe	Poor Not Supporting, Marginal	Likely Bad Insufficient Information - Potentially Not Supporting	No Data No Data	Likely Good Insufficient Information - Potentially Full Supporting	Marginal Full Support, Marginal	Good Full Support, Good
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Assessment Unit ID NHRIV600020902-02
 Assessment Unit Name SOUTH RIVER - UNNAMED BROOKS
 Primary Town EFFINGHAM

Size 9.2740 MILES
 Beach N
 Assessment Unit Category*~ 3-PAS

**DRAFT 2012, 305(b)/303(d) - All
 Reviewed Parameters by Assessment
 Unit**

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Priority	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	3-PAS		Benthic-Macroinvertebrate Bioassessments (Streams)	N	3-ND			
			CHLORIDE	N	3-PAS			
			Dissolved oxygen saturation	N	3-ND			
			Fishes Bioassessments (Streams)	N	3-ND			
			Oxygen, Dissolved	N	3-ND			
			PH	N	2-M			
			TURBIDITY	N	3-PAS			
Drinking Water After Adequate Treatment	2-G		ESCHERICHIA COLI	N	3-PAS			
Fish Consumption	4A-M		Mercury	N	4A-M			Atmospheric Deposition - Toxics
Primary Contact Recreation	3-PAS		ESCHERICHIA COLI		3-PAS			
Secondary Contact Recreation	3-PAS		ESCHERICHIA COLI		3-PAS			
Wildlife	3-ND							

Severe Not Supporting, Severe	Poor Not Supporting, Marginal	Likely Bad Insufficient Information - Potentially Not Supporting	No Data No Data	Likely Good Insufficient Information - Potentially Full Supporting	Marginal Full Support, Marginal	Good Full Support, Good
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Assessment Unit ID NHRIV600020902-03
 Assessment Unit Name SOUTH RIVER - UNNAMED BROOKS
 Primary Town EFFINGHAM

Size 2.2400 MILES
 Beach N
 Assessment Unit Category*~ 3-ND

**DRAFT 2012, 305(b)/303(d) - All
 Reviewed Parameters by Assessment
 Unit**

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Priority	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	3-ND		Benthic-Macroinvertebrate Bioassessments (Streams)	N	3-ND			
			Dissolved oxygen saturation	N	3-ND			
			Fishes Bioassessments (Streams)	N	3-ND			
			Oxygen, Dissolved	N	3-ND			
			pH	N	3-ND			
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M			Atmospheric Deposition - Toxics
Primary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Wildlife	3-ND							

Severe Not Supporting, Severe	Poor Not Supporting, Marginal	Likely Bad Insufficient Information - Potentially Not Supporting	No Data No Data	Likely Good Insufficient Information - Potentially Full Supporting	Marginal Full Support, Marginal	Good Full Support, Good
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Assessment Unit ID NHRIV600020902-04
 Assessment Unit Name SOUTH RIVER - SALMON BROOK - HOBBS BROOK
 Primary Town EFFINGHAM

Size 7.3680 MILES
 Beach N
 Assessment Unit Category*~ 3-ND

**DRAFT 2012, 305(b)/303(d) - All
 Reviewed Parameters by Assessment
 Unit**

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Priority	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	3-ND		Benthic-Macroinvertebrate Bioassessments (Streams)	N	3-ND			
			Dissolved oxygen saturation	N	3-ND			
			Fishes Bioassessments (Streams)	N	3-ND			
			Oxygen, Dissolved	N	3-ND			
			pH	N	3-ND			
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M			Atmospheric Deposition - Toxics
Primary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Wildlife	3-ND							

Severe Not Supporting, Severe	Poor Not Supporting, Marginal	Likely Bad Insufficient Information - Potentially Not Supporting	No Data No Data	Likely Good Insufficient Information - Potentially Full Supporting	Marginal Full Support, Marginal	Good Full Support, Good
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Assessment Unit ID NHRIV600020902-05
 Assessment Unit Name PROVINCE LAKE-RTE 153 INLET
 Primary Town WAKEFIELD

Size 0.1790 MILES

Beach N

Assessment Unit Category*~ 5-P

DRAFT 2012, 305(b)/303(d) - All
 Reviewed Parameters by Assessment
 Unit

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Priority	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	5-P		Benthic-Macroinvertebrate Bioassessments (Streams)	N	3-ND			
			CHLORIDE	N	3-PAS			
			Dissolved oxygen saturation	N	3-ND			
			Fishes Bioassessments (Streams)	N	3-ND			
			Oxygen, Dissolved	N	3-ND			
			PH		5-P	LOW		Source Unknown
			TURBIDITY	N	3-PAS			
Drinking Water After Adequate Treatment	2-G		ESCHERICHIA COLI	N	3-PNS			
Fish Consumption	4A-M		Mercury	N	4A-M			Atmospheric Deposition - Toxics
Primary Contact Recreation	3-PAS		ESCHERICHIA COLI		3-PAS			
Secondary Contact Recreation	3-PAS		ESCHERICHIA COLI		3-PAS			
Wildlife	3-ND							

Severe Not Supporting, Severe	Poor Not Supporting, Marginal	Likely Bad Insufficient Information - Potentially Not Supporting	No Data No Data	Likely Good Insufficient Information - Potentially Full Supporting	Marginal Full Support, Marginal	Good Full Support, Good
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Page 7 of 9

Date: 1/30/14

Assessment Unit ID NHRIV600020902-06
 Assessment Unit Name PROVINCE LAKE-ISLAND INLET
 Primary Town WAKEFIELD

Size 0.5090 MILES

Beach N

Assessment Unit Category*~ 5-M

**DRAFT 2012, 305(b)/303(d) - All
 Reviewed Parameters by Assessment
 Unit**

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Priority	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	5-M		Benthic-Macroinvertebrate Bioassessments (Streams)	N	3-ND			
			CHLORIDE	N	3-PAS			
			Dissolved oxygen saturation	N	3-ND			
			Fishes Bioassessments (Streams)	N	3-ND			
			Oxygen, Dissolved	N	3-ND			
			PH		5-M	LOW		Source Unknown
			TURBIDITY	N	3-PAS			
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M			Atmospheric Deposition - Toxics
Primary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Wildlife	3-ND							

Severe Not Supporting, Severe	Poor Not Supporting, Marginal	Likely Bad Insufficient Information - Potentially Not Supporting	No Data No Data	Likely Good Insufficient Information - Potentially Full Supporting	Marginal Full Support, Marginal	Good Full Support, Good
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Assessment Unit ID NHRIV600020902-07
 Assessment Unit Name UNNAMED BROOK - CAMPGROUND INLET TO PROVI
 Primary Town EFFINGHAM

Size 1.7200 MILES

Beach N

Assessment Unit Category*~ 5-P

**DRAFT 2012, 305(b)/303(d) - All
 Reviewed Parameters by Assessment
 Unit**

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Priority	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	5-P		Benthic-Macroinvertebrate Bioassessments (Streams)	N	3-ND			
			CHLORIDE	N	3-PAS			
			Dissolved oxygen saturation	N	3-ND			
			Fishes Bioassessments (Streams)	N	3-ND			
			Oxygen, Dissolved	N	3-ND			
			TURBIDITY	N	3-PAS			
			pH	N	5-P	LOW		Source Unknown
Drinking Water After Adequate Treatment	2-G		ESCHERICHIA COLI	N	3-PNS			
Fish Consumption	4A-M		Mercury	N	4A-M			Atmospheric Deposition - Toxics
Primary Contact Recreation	5-M		ESCHERICHIA COLI	N	5-M	LOW		Source Unknown
Secondary Contact Recreation	2-G		ESCHERICHIA COLI	N	2-G			
Wildlife	3-ND							

Severe Not Supporting, Severe	Poor Not Supporting, Marginal	Likely Bad Insufficient Information - Potentially Not Supporting	No Data No Data	Likely Good Insufficient Information - Potentially Full Supporting	Marginal Full Support, Marginal	Good Full Support, Good
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Page 9 of 9

Date: 1/30/14