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 2010 Consolidated Assessment and Listing Methodology (CALM) at <a href="http://des.nh.gov/organization/divisions/water/wmb/swqa/2010/documents/2010calm.pdf">http://des.nh.gov/organization/divisions/water/wmb/swqa/2010/documents/2010calm.pdf</a>.

## Where can I find more advanced mapping resources?

GIS shapefiles and google earth KML map files are accessible from <a href="http://des.nh.gov/organization/divisions/water/wmb/swqa/2010/index.htm">http://des.nh.gov/organization/divisions/water/wmb/swqa/2010/index.htm</a>.

#### 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	No	Likely	Marginal	Good
				Bad	Data	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					

<sup>\* &</sup>quot;Category 1" only exists at the Assessment Unit Level.

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

# 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 2010

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



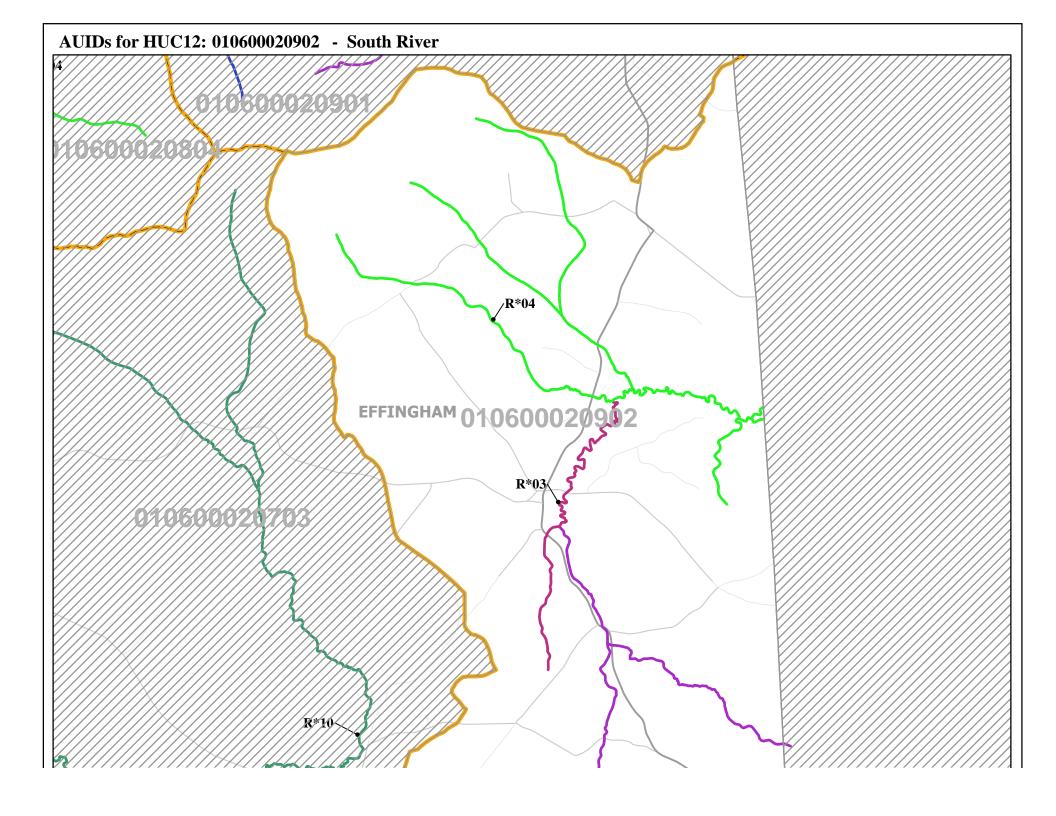


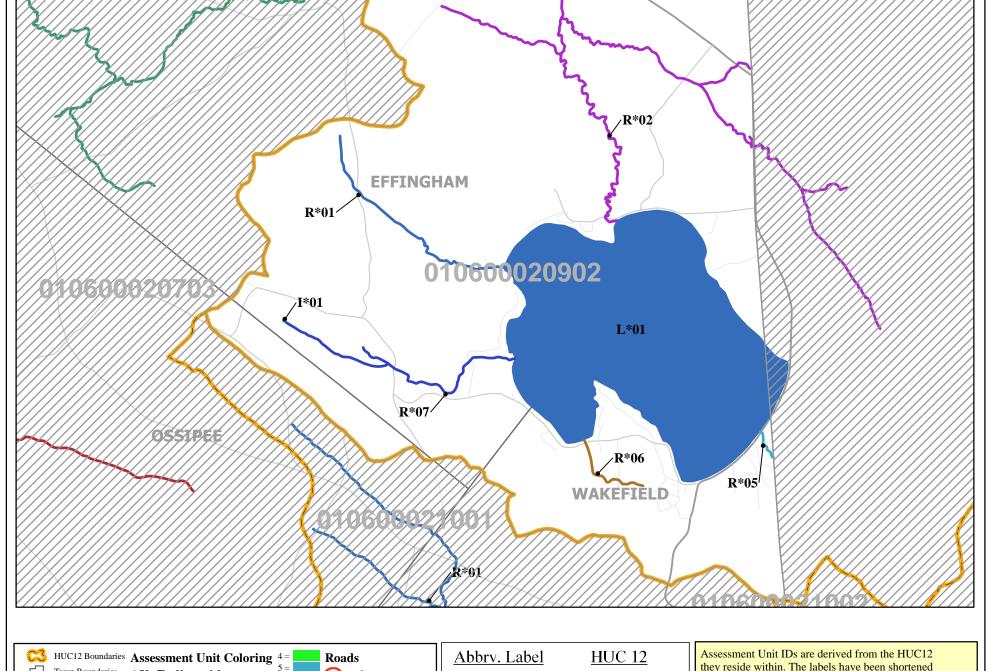


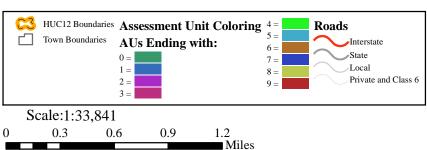


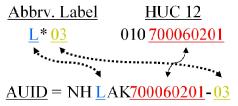
			- Andrew			
ASSESSMENT UNIT ID	MAP LABEL	ASSESSMENT UNIT NAME	AQUATIC LIFE	SWIMMING	BOATING	FISH CONSUMP.
NHIMP600020902-01	I*01	DOWNS DAM	3-WD	3-ND	3-MD	4A-M
NHLAK600020902-01	L*01	PROVINCE LAKE	5 -M	2-G	2-G	4A-M
NHRIV600020902-01	R*01	HOBBS BROOK	5-M	3-WD	3-ND	4A-M
NHRIV600020902-02	R*02	SOUTH RIVER - UNNAMED BROOKS	3-PAS	3-WD	3-ND	4A-M
NHRIV600020902-03	R*03	SOUTH RIVER - UNNAMED BROOKS	3-100	3-WD	3-ND	4A-M
NHRIV600020902-04	R*04	SOUTH RIVER - SALMON BROOK - HOBBS BROOK	3-₩₽	3-WD	3-ND	4A-M
NHRIV600020902-05	R*05	UNNAMED BROOK	3-₩₽	3-WD	3-ND	4A-M
NHRIV600020902-06	R*06	UNNAMED BROOK	3-₩₽	3-WD	3-ND	4A-M
NHRIV600020902-07	R*07	UNNAMED BROOK - CAMPGROUND INLET TO PROVINCE LAKE	5-M	3-PAS	2-G	4A-M

Watershed Report Page 1 Date: 6/11/10









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.

NHIMP600020902-01

DOWNS DAM

Primary Town EFFINGHAM Size

ACRES

2010, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

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Beach N

Assessment Unit Category \*~ 3-ND

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Schedule	Expected To Attair Date	Source Name (Impairments only)
Aquatic Life	3-ND		Chlorophyll-a		3-ND			
			Dissolved oxygen saturation		3-ND			
			Oxygen, Dissolved		3-ND			
			рн		3-ND			
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M	2017		Atmospheric Deposition - Toxics
Primary Contact Recreation	3-ND		Escherichia coli		3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli		3-ND			
Wildlife	3-ND							

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	

NHLAK600020902-01

Assessment Unit Name

PROVINCE LAKE

Primary Town EFFINGHAM

<u>Size</u> 965.6490 ACRES

Beach N

Assessment Unit Category\*~ 5-M

2010, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

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Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Schedule	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	2023		Source Unknown
			DISSOLVED OXYGEN SATURATION	N	3-PNS			
			OXYGEN, DISSOLVED	N	3-PAS			
			PHOSPHORUS (TOTAL)	N	5-M	2023		Source Unknown
			рн	N	4A-M	2019		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	2017		Atmospheric Deposition - Toxics
Primary Contact	2-G		CHLOROPHYLL-A	N	2-G			
Recreation			EGGHEDIGHTA GOLT	N	2.0			
	0 0		ESCHERICHIA COLI	N	2-G			
Secondary Contact Recreation	2-G		ESCHERICHIA COLI	N	2-G			
Wildlife	3-ND							

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	

NHRIV600020902-01

Assessment Unit Name HOBBS BROOK

Primary Town EFFINGHAM

<u>Size</u> 1.3270 MILES

Beach N

Assessment Unit Category\*~ 5-M

2010, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

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Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Schedule	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	5-M		Benthic-Macroinvertebrate Bioassessments (Streams)		3-ND			
			Dissolved oxygen saturation		3-ND			
			Fishes Bioassessments (Streams)		3-ND			
			Oxygen, Dissolved		3-ND			
			На	N	5-M	2019		Source Unknown
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M	2017		Atmospheric Deposition - Toxics
Primary Contact Recreation	3-ND		Escherichia coli		3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli		3-ND			
Wildlife	3-ND							

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	

NHRIV600020902-02

SOUTH RIVER - UNNAMED BROOKS

Primary Town EF

JOOTH KIVEK ONWENDED DIKO

EFFINGHAM

Size 9.2520 MILES

Beach N

Assessment Unit Category\*~ 3-PAS

2010, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

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Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Schedule	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	3-PAS		Benthic-Macroinvertebrate Bioassessments (Streams)		3-ND			
			CHLORIDE	N	3-PAS			
			Dissolved oxygen saturation		3-ND			
			Fishes Bioassessments (Streams)		3-ND			
			Oxygen, Dissolved		3-ND			
			РН	N	2-M			
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M	2017		Atmospheric Deposition - Toxics
Primary Contact Recreation	3-ND		Escherichia coli		3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli		3-ND			
Wildlife	3-ND							

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	

NHRIV600020902-03

SOUTH RIVER - UNNAMED BROOKS

Primary Town

EFFINGHAM

<u>Size</u> Beach N 2.2350

2010, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

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Assessment Unit Category\*~ 3-ND

MILES

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Schedule	Expected To Attair Date	Source Name (Impairments only)
Aquatic Life	3-ND	1000000000000000000	Benthic-Macroinvertebrate Bioassessments (Streams)		3-ND			
			Dissolved oxygen saturation		3-ND			
			Fishes Bioassessments (Streams)		3-ND			
			Oxygen, Dissolved		3-ND			
			рн		3-ND			
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M	2017		Atmospheric Deposition - Toxics
Primary Contact Recreation	3-ND		Escherichia coli		3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli		3-ND			
Wildlife	3-ND							

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	

NHRIV600020902-04

SOUTH RIVER - SALMON BROOK - HOBBS BROOK

<u>Size</u> Beach N MILES

2010, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

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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 Schedule	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	3-ND		Benthic-Macroinvertebrate Bioassessments (Streams)		3-ND			
			Dissolved oxygen saturation		3-ND			
			Fishes Bioassessments (Streams)		3-ND			
			Oxygen, Dissolved		3-ND			
			рн		3-ND			
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M	2017		Atmospheric Deposition - Toxics
Primary Contact Recreation	3-ND		Escherichia coli		3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli		3-ND			
Wildlife	3-ND							

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	

NHRIV600020902-05

Assessment Unit Name

UNNAMED BROOK

Primary Town WAKEFIELD

Size

MILES

2010, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

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Date: 8/25/10

Beach N

Assessment Unit Category\*~ 3-ND

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Schedule	Expected To Attain Date	
Aquatic Life	3-ND		Benthic-Macroinvertebrate Bioassessments (Streams)		3-ND			
			Dissolved oxygen saturation		3-ND			
			Fishes Bioassessments (Streams)		3-ND			
			Oxygen, Dissolved		3-ND			
			рн		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		3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli		3-ND			
Wildlife	3-ND							

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	

NHRIV600020902-06

Assessment Unit Name

UNNAMED BROOK

Primary Town WAKEFIELD Size

0.5080 MILES 2010, 305(b)/303(d) - All Reviewed

Parameters by Assessment Unit

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Beach N

Assessment Unit Category \*~ 3-ND

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Schedule	Expected To Attair Date	Source Name (Impairments only)
Aquatic Life	3-ND		Benthic-Macroinvertebrate Bioassessments (Streams)		3-ND			
			Dissolved oxygen saturation		3-ND			
			Fishes Bioassessments (Streams)		3-ND			
			Oxygen, Dissolved		3-ND			
			На		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		3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli		3-ND			
Wildlife	3-ND							

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	

Primary Town

NHRIV600020902-07

UNNAMED BROOK - CAMPGROUND INLET TO PROVI

<u>Size</u> Beach N MILES

2010, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

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EFFINGHAM

11001 <u>Bea</u>

Assessment Unit Category\*~ 5-M

Designated Use Description	*Desig. Use Category	Desig. Use Threat	Parameter Name	Parameter Threatened (Y/N)	Parameter Category*	TMDL Schedule	Expected To Attain Date	
Aquatic Life	5-M		Benthic-Macroinvertebrate Bioassessments (Streams)		3-ND			
			CHLORIDE	N	3-PAS			
			Dissolved oxygen saturation		3-ND			
			Fishes Bioassessments (Streams)		3-ND			
			Oxygen, Dissolved		3-ND			
			РН	N	5-M	2023		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	3-PAS		ESCHERICHIA COLI	N	3-PAS			
Secondary Contact Recreation	2-G		ESCHERICHIA COLI	N	2-G			
Wildlife	3-ND					_		

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	