

## Welcome to New Hampshire's Watershed Report Cards built from the 2008, 305(b)/303(d)

**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.
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 2008 Consolidated Assessment and Listing Methodology (CALM) at <http://des.nh.gov/organization/divisions/water/wmb/swqa/2008/index.htm> (appendices 4 & 5)

### Where can I find more advanced resources?

Additional resources including GIS shapefiles (appendix 12) of all AUIDs in a sortable EXCEL file (appendix 22) of the detailed assessments are available at <http://des.nh.gov/organization/divisions/water/wmb/swqa/2008/index.htm>.

### 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>)

# WATERSHED 305(b) ASSESSMENT SUMMARY REPORT:

HUC 12 010600020902

HUC 12 NAME SOUTH RIVER

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

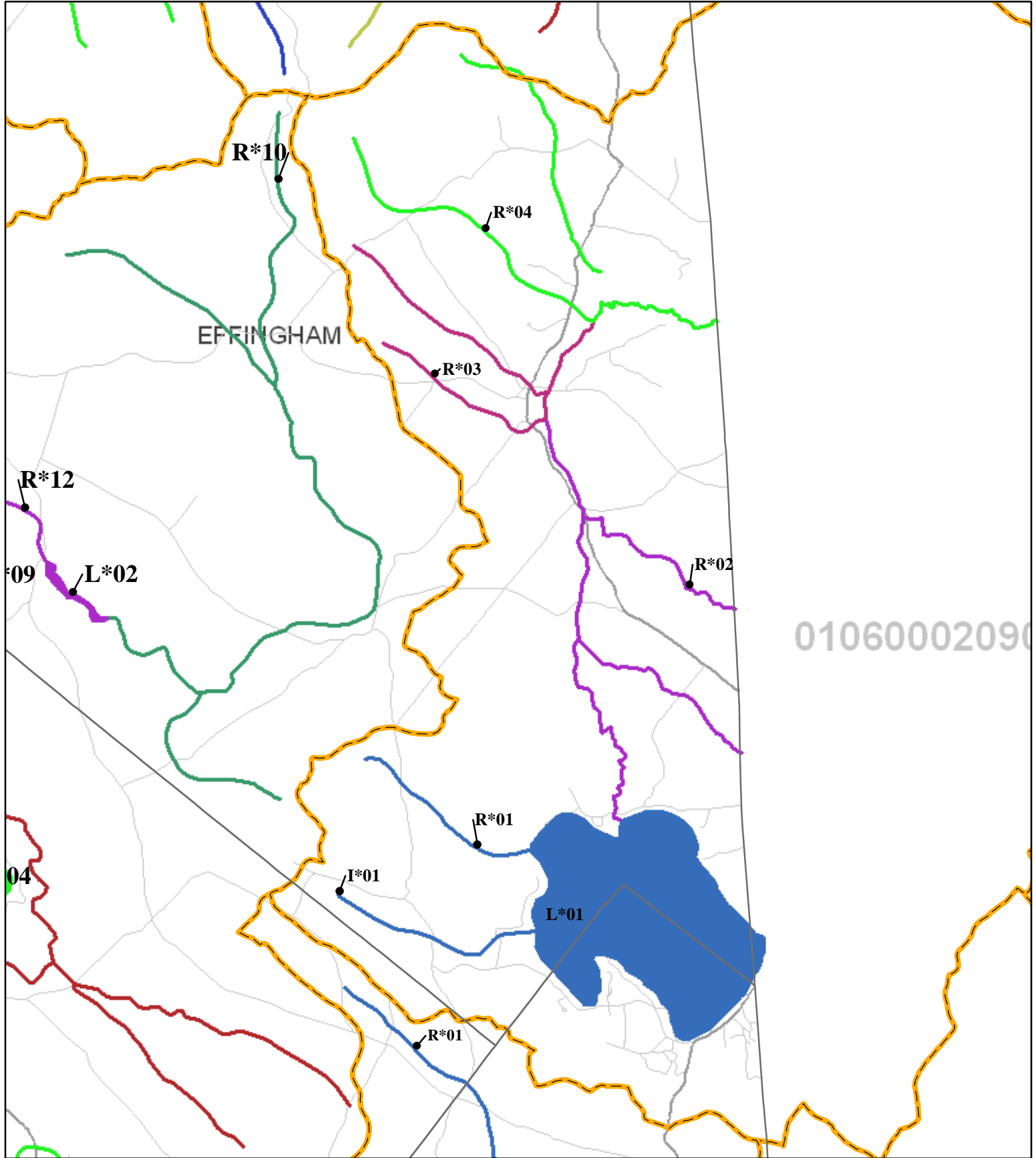
Assessment Cycle 2008

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	UNKNOWN RIVER - DOWNS DAM	3-ND	3-ND	3-ND	4A-N
NHLAK600020902-01	L*01	PROVINCE LAKE	4A-N	3-G	3-G	4A-N
NHRIV600020902-01	R*01	HOBBS BROOK	3-N	3-PAS	3-G	4A-N
NHRIV600020902-02	R*02	SOUTH RIVER - UNNAMED BROOKS	3-PAS	3-ND	3-ND	4A-N
NHRIV600020902-03	R*03	SOUTH RIVER - UNNAMED BROOKS	3-ND	3-ND	3-ND	4A-N
NHRIV600020902-04	R*04	SOUTH RIVER - SALMON BROOK - HOBBS BROOK	3-ND	3-ND	3-ND	4A-N

**AUIDs for HUC12: 010600020902 - SOUTH RIVER**



010600020902

Town Boundaries	<b>Assessment Unit Coloring</b>	4 =	<b>Roads</b>
HUC12 Boundaries		5 =	
	<b>AUs Ending with:</b>	6 =	State
	0 =	7 =	Local
	1 =	8 =	Private and Class 6
	2 =	9 =	
	3 =		

Scale: 1:52,646



<u>Abbrv. Label</u>	<u>HUC 12</u>
L*03	010 700060201
AUID = NH LAK700060201-03	

Assessment Unit ID NHIMP600020902-01

Size 0.3400 ACRES

2008, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

Assessment Unit Name UNKNOWN RIVER - 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 Schedule	Expected To Attain Date	Source Name (Impairments only)
Aquatic Life	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	2017		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							

<b>Severe</b> Not Supporting, Severe	<b>Poor</b> Not Supporting, Marginal	<b>Likely Bad</b> Insufficient Information - Potentially Not Supporting	<b>No Data</b> No Data	<b>Likely Good</b> Insufficient Information - Potentially Full Supporting	<b>Marginal</b> Full Support, Marginal	<b>Good</b> 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 with rectify Impairment, 4C=Impaired/Non-Pollutant, 5=Impaired/TMDL needed) M=Marginally 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 1014.0000 ACRES  
 Beach N

2008, 305(b)/303(d) - All Reviewed  
 Parameters by Assessment Unit

Assessment Unit Category\*~ 4A-M

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	4A-M		ALKALINITY, CARBONATE AS CaCO3	N	3-PNS			
			CHLORIDE	N	3-PAS			
			DISSOLVED OXYGEN SATURATION	N	3-PNS			
			OXYGEN, DISSOLVED	N	2-G			
			pH	N	4A-M	2019		Atmospheric Deposition - Acidity
Drinking Water After Adequate Treatment	2-G							
Fish Consumption	4A-M		Mercury	N	4A-M	2017		Atmospheric Deposition - Toxics
Primary Contact Recreation	2-G		CHLOROPHYLL-A	N	2-G			
			ESCHERICHIA COLI	N	2-G			
Secondary Contact Recreation	2-G		ESCHERICHIA COLI	N	2-G			
Wildlife	3-ND							

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

Size 2.7100 MILES

Beach N

2008, 305(b)/303(d) - All Reviewed  
 Parameters by Assessment Unit

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	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	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-PAS		ESCHERICHIA COLI	N	3-PAS			
Secondary Contact Recreation	2-G		ESCHERICHIA COLI	N	2-G			
Wildlife	3-ND							

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

Size 5.8100 MILES  
 Beach N  
 Assessment Unit Category\*~ 3-PAS

2008, 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 Schedule	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-G			
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	N	3-ND			
Secondary Contact Recreation	3-ND		Escherichia coli	N	3-ND			
Wildlife	3-ND							

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

Size 3.6500 MILES

Beach N

Assessment Unit Category\*~ 3-ND

2008, 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 Schedule	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	2017		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							

<b>Severe</b> Not Supporting, Severe	<b>Poor</b> Not Supporting, Marginal	<b>Likely Bad</b> Insufficient Information - Potentially Not Supporting	<b>No Data</b> No Data	<b>Likely Good</b> Insufficient Information - Potentially Full Supporting	<b>Marginal</b> Full Support, Marginal	<b>Good</b> Full Support, Good
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Assessment Unit ID NHRIV600020902-04

Size 5.1200 MILES

2008, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

Assessment Unit Name SOUTH RIVER - SALMON BROOK - HOBBS BROOK

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 Schedule	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	2017		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							

<b>Severe</b> Not Supporting, Severe	<b>Poor</b> Not Supporting, Marginal	<b>Likely Bad</b> Insufficient Information - Potentially Not Supporting	<b>No Data</b> No Data	<b>Likely Good</b> Insufficient Information - Potentially Full Supporting	<b>Marginal</b> Full Support, Marginal	<b>Good</b> Full Support, Good
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