

New Hampshire's Designated River Report Cards built from the 2010, 305(b)/303(d)

Each Designated Report Card covers the main stem assessment units for a designated river. Each Designated Report Card has two 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) along a designated river.
2. ASSESSMENT DETAILS - Anywhere from one to 70 pages with the detailed assessment information for each and every AUID in the Report Card.

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 <http://des.nh.gov/organization/divisions/water/wmb/swqa/2010/index.htm>

Where can I find more advanced resources?

Additional resources including GIS shapefiles and KML files for Google Earth users of all AUIDs <http://des.nh.gov/organization/divisions/water/wmb/swqa/2010/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>)

DESIGNATED RIVER 305(b) ASSESSMENT SUMMARY REPORT:

ISINGLASS RIVER

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



ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	AQUATIC LIFE	SWIMMING	BOATING	FISH CONSUMP.
NHRIV600030605-10	ISINGLASS RIVER	5-M	2-G	2-G	4A-M
NHRIV600030605-11	ISINGLASS RIVER	5-M	2-G	2-G	4A-M
NHRIV600030605-16	NIPPO BROOK - ISINGLASS RIVER	5-P	5-P	2-G	4A-M
NHRIV600030607-01	ISINGLASS RIVER	5-P	5-P	2-G	4A-M
NHRIV600030607-10	ISINGLASS RIVER	5-P	5-M	2-G	4A-M

Assessment Unit ID NHRIV600030605-10

Size 0.4580 MILES

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

Assessment Unit Name ISINGLASS RIVER

Beach N

Primary Town STRAFFORD

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)		3-ND			
			CHLORIDE	N	3-PAS			
			Dissolved oxygen saturation	N	5-M	2021		Source Unknown
			Fishes Bioassessments (Streams)		3-ND			
			OXYGEN, DISSOLVED	N	3-PAS			
			Other flow regime alterations		3-PAS			
			pH	N	5-M	2016		Source Unknown
Drinking Water After Adequate Treatment	2-G		ESCHERICHIA COLI	N	3-PNS			
Fish Consumption	4A-M		Mercury	N	4A-M	2017		Atmospheric Deposition - Toxics
Primary Contact Recreation	2-G		ESCHERICHIA COLI	N	2-G			
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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*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 NHRIV600030605-11
 Assessment Unit Name ISINGLASS RIVER
 Primary Town STRAFFORD

Size 4.2820 MILES
 Beach N

2010, 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)		3-ND			
			CHLORIDE	N	3-PAS			
			DISSOLVED OXYGEN SATURATION	N	2-G			
			Fishes Bioassessments (Streams)		3-ND			
			Lead	N	5-M	2019		Source Unknown
			OXYGEN, DISSOLVED	N	3-PAS			
			Other flow regime alterations		3-PAS			
			pH	N	5-M	2017		Source Unknown
Drinking Water After Adequate Treatment	2-G		ESCHERICHIA COLI	N	3-PNS			
Fish Consumption	4A-M		Mercury	N	4A-M	2017		Atmospheric Deposition - Toxics
Primary Contact Recreation	2-G		ESCHERICHIA COLI	N	2-G			
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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Assessment Unit ID NHRIV600030605-16
 Assessment Unit Name NIPPO BROOK - ISINGLASS RIVER
 Primary Town STRAFFORD

Size 2.4540 MILES
 Beach N

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

Assessment Unit Category*~ 5-P

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-P		Benthic-Macroinvertebrate Bioassessments (Streams)		3-ND			
			CHLORIDE	N	3-PAS			
			Dissolved oxygen saturation	N	5-M	2019	Source Unknown	
			Fishes Bioassessments (Streams)		3-ND			
			OXYGEN, DISSOLVED	N	2-G			
			Other flow regime alterations		3-PAS			
pH	N	5-P	2017	Source Unknown				
Drinking Water After Adequate Treatment	2-G		ESCHERICHIA COLI	N	3-PNS			
Fish Consumption	4A-M		Mercury	N	4A-M	2017		Atmospheric Deposition - Toxics
Primary Contact Recreation	5-P		Escherichia coli	N	5-P	2010		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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Assessment Unit ID NHRIV600030607-01
 Assessment Unit Name ISINGLASS RIVER
 Primary Town BARRINGTON

Size 7.3540 MILES

Beach N

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

Assessment Unit Category*~ 5-P

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-P		ALKALINITY, CARBONATE AS CaCO3	N	3-PAS			
			ALUMINUM	N	3-PNS			
			Benthic-Macroinvertebrate Bioassessments (Streams)		2-G			
			CHLORIDE	N	3-PAS			
			DISSOLVED OXYGEN SATURATION	N	2-G			
			Fishes Bioassessments (Streams)		3-PAS			
			OXYGEN, DISSOLVED	N	2-G			
			Other flow regime alterations		3-PNS			
			pH	N	5-P	2017	Source Unknown	
Drinking Water After Adequate Treatment	2-G		ESCHERICHIA COLI	N	3-PNS			
			POTASSIUM	N	3-PAS			
			SULFATES	N	3-PAS			
Fish Consumption	4A-M		Mercury	N	4A-M	2017	Atmospheric Deposition - Toxics	
Primary Contact Recreation	5-P		Escherichia coli	N	5-P	2010	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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Assessment Unit ID NHRIV600030607-10
 Assessment Unit Name ISINGLASS RIVER
 Primary Town ROCHESTER

Size 3.7920 MILES
 Beach N

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

Assessment Unit Category*~ 5-P

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-P		Benthic-Macroinvertebrate Bioassessments (Streams)		3-ND			
			CHLORIDE	N	3-PAS			
			Dissolved oxygen saturation	N	5-M	2021		Source Unknown
			Fishes Bioassessments (Streams)		3-ND			
			OXYGEN, DISSOLVED	N	2-M			
			Other flow regime alterations		3-PNS			
			pH	N	5-P	2017		Source Unknown
Drinking Water After Adequate Treatment	2-G		ESCHERICHIA COLI	N	3-PNS			
Fish Consumption	4A-M		Mercury	N	4A-M	2017		Atmospheric Deposition - Toxics
Primary Contact Recreation	5-M		ESCHERICHIA COLI	N	5-M	2023		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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