

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 Integrity, 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 [2024 Consolidated Assessment and Listing Methodology \(CALM\)](#).

Where can I find more advanced mapping resources?

GIS files are available by assessment cycle at the NHDES [FTP site](#).

I’d like to see the more raw water quality data?

The [web mapping tool](#) allows you to download the data used in the assessment of the primary contact and aquatic life designated uses by clicking on the “[Data Access Waterbody Data \(Aquatic Life and Swimming Uses\)](#)” link for any assessment unit.

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.

Category	Description	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 2	Meets standards						2-M or 2-OBS	2-G
Category 3	Insufficient Information			3-PNS	3-ND	3-PAS		
Category 4A	Does not Meet Standards; TMDL* Completed	4A-P	4A-M or 4A-T					
Category 4B	Does not Meet Standards; Other enforceable measure will correct the issue.	4B-P	4B-M or 4B-T					
Category 4C	Does not Meet Standards; Non-pollutant (i.e. exotic weeds)	4C-P	4C-M					
Category 5	Does not Meet Standards; TMDL* Needed	5-P	5-M or 5-T					
Category 5R	Does not Meet Standards; An EPA-approved alternative plan has been completed	5R-P	5R-M					

* [TMDL](#) stands for Total Maximum Daily Load studies

Watershed 305(b) Assessment Summary Report:

Assessment Cycle: 2024

HUC 12: 010600020902

HUC 12 Name: South River

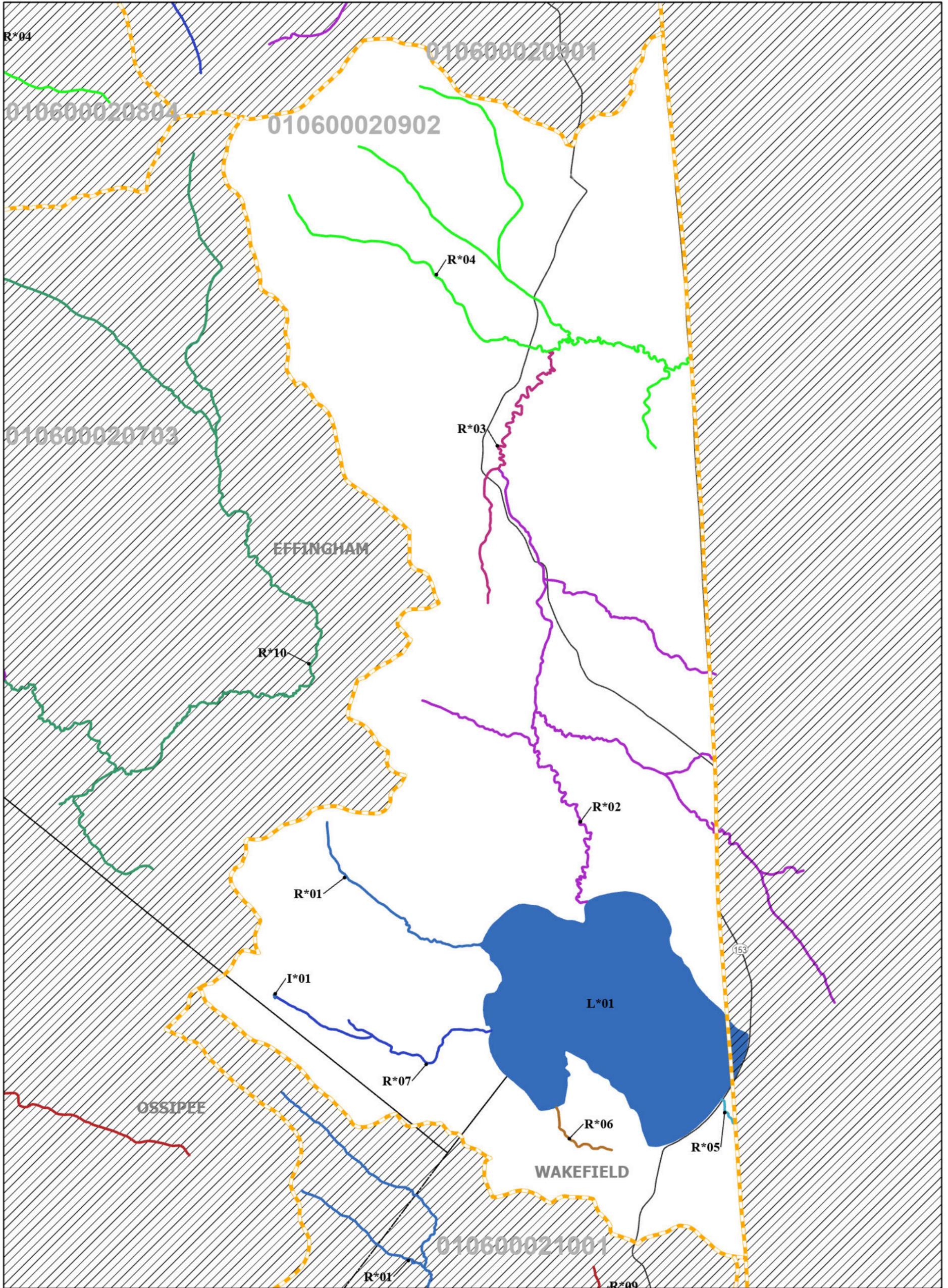
(Locator map on next page only applies to this HUC12)

Good	Meets water quality standards/thresholds by a relatively large margin.
Marginal	Meets water quality standards/thresholds but only marginally.
Likely Good	Limited data available, however, the data that is available suggests that the parameter is Potentially Attaining Standards (PAS).
No Current Data	Insufficient information to make an assessment decision.
Likely Bad	Limited data available, however, the data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.
Poor	Not meeting water quality standards/thresholds. The impairment is marginal.
Severe	Not meeting water quality standards/thresholds. The impairment is more severe and causes poor water quality.



Assessment Unit ID	Map Label	Assessment Unit Name	Aquatic Life	Fish Consump.	Swimming	Boating
NHIMP600020902-01	I*01	Downs Dam		4A-M	3-ND	3-ND
NHLAK600020902-01	L*01	Province Lake	5-M	4A-M	5-P	3-ND
NHRIV600020902-01	R*01	Hobbs Brook	5-M	4A-M	3-ND	3-ND
NHRIV600020902-02	R*02	South River - Unnamed Brooks	3-ND	4A-M	3-ND	3-ND
NHRIV600020902-03	R*03	South River - Unnamed Brooks	3-ND	4A-M	3-ND	3-ND
NHRIV600020902-04	R*04	South River - Salmon Brook - Hobbs Brook	3-ND	4A-M	3-ND	3-ND
NHRIV600020902-05	R*05	Province Lake-Rte 153 Inlet	5-M	4A-M	3-ND	3-ND
NHRIV600020902-06	R*06	Province Lake-Island Inlet	5-P	4A-M	3-ND	3-ND
NHRIV600020902-07	R*07	South River - To Province Lake	5-M	4A-M	4A-M	3-ND

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	HUC 12
L*03	010 700060201
AUID = NH LAK700060201-03	

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: 1:35,100

Assessment Unit ID: NHIMP600020902-01

Size: 0.34 ACRES

2024, 305(b)/303(d) - All Reviewed

Assessment Unit Name: Downs Dam

Assessment Unit Category: 3-ND

Parameters by Assessment Unit

Town(s) Primary Town is Listed First: Effingham

Beach: N

Designated Use Description	Desig. Use Category	Parameter Name	Parameter Threatened (Y/N)	Last Sample	Last Exceed	Parameter Category	TMDL Priority
Aquatic Life Integrity	3-ND	Dissolved oxygen saturation	N			3-ND	
		Oxygen, Dissolved	N			3-ND	
		pH	N			3-ND	
Fish Consumption	4A-M	MERCURY - FISH CONSUMPTION ADVISORY	N			4A-M	
Potential Drinking Water Supply	2-G						
Primary Contact Recreation	3-ND	Escherichia coli	N			3-ND	
Secondary Contact Recreation	3-ND	Escherichia coli	N			3-ND	
Wildlife	3-ND						

<p>Good Meets water quality standards/thresholds by a relatively large margin.</p>	<p>Marginal Meets water quality standards/thresholds but only marginally.</p>	<p>Likely Good Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)</p>	<p>No Current Data Insufficient information to make an assessment decision.</p>	<p>Likely Bad Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.</p>	<p>Poor Not meeting water quality standards/thresholds. The impairment is marginal.</p>	<p>Severe Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.</p>
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Assessment Unit ID: NHLAK600020902-01

Size: 965.6490 ACRES

2024, 305(b)/303(d) - All Reviewed

Assessment Unit Name: Province Lake

Assessment Unit Category: 5-P

Parameters by Assessment Unit

Town(s) Primary Town is Listed First: Effingham, Wakefield

Beach: N

Designated Use Description	Desig. Use Category	Parameter Name	Parameter Threatened (Y/N)	Last Sample	Last Exceed	Parameter Category	TMDL Priority
Aquatic Life Integrity	5-M	ALKALINITY, CARBONATE AS CaCO3	N	2019	2019	3-PNS	
		CHLORIDE	N	2019	N/A	3-PAS	
		CHLOROPHYLL-A	N	2019	NLV	5-M	LOW
		DISSOLVED OXYGEN SATURATION	N	2019	2007	3-PAS	
		OXYGEN, DISSOLVED	N	2019	N/A	3-PAS	
		PH	N	2019	2017	4A-M	
		PHOSPHORUS (TOTAL)	N	2019	NLV	5-M	LOW
		TURBIDITY	N	2017	2015	3-PAS	
Fish Consumption	4A-M	MERCURY - FISH CONSUMPTION ADVISORY	N			4A-M	
Potential Drinking Water Supply	2-G	ESCHERICHIA COLI	N	2009	N/A	3-ND	
		POTASSIUM	N	2006	N/A	3-ND	
		SULFATES	N	2007	N/A	3-ND	
Primary Contact Recreation	5-P	CHLOROPHYLL-A	N	2019	N/A	2-G	
		Cyanobacteria hepatotoxic microcystins	N	2023	2023	5-P	LOW
		ESCHERICHIA COLI	N	2009	N/A	3-ND	
Secondary Contact Recreation	3-ND	ESCHERICHIA COLI	N	2009	N/A	3-ND	

Good Meets water quality standards/thresholds by a relatively large margin.	Marginal Meets water quality standards/thresholds but only marginally.	Likely Good Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)	No Current Data Insufficient information to make an assessment decision.	Likely Bad Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.	Poor Not meeting water quality standards/thresholds. The impairment is marginal.	Severe Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.
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Wildlife	3-ND						
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<p>Good Meets water quality standards/thresholds by a relatively large margin.</p>	<p>Marginal Meets water quality standards/thresholds but only marginally.</p>	<p>Likely Good Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)</p>	<p>No Current Data Insufficient information to make an assessment decision.</p>	<p>Likely Bad Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.</p>	<p>Poor Not meeting water quality standards/thresholds. The impairment is marginal.</p>	<p>Severe Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.</p>
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Assessment Unit ID: NHRIV600020902-01

Size: 1.3280 MILES

2024, 305(b)/303(d) - All Reviewed

Assessment Unit Name: Hobbs Brook

Assessment Unit Category: 5-M

Parameters by Assessment Unit

Town(s) Primary Town is Listed First: Effingham

Beach: N

Designated Use Description	Desig. Use Category	Parameter Name	Parameter Threatened (Y/N)	Last Sample	Last Exceed	Parameter Category	TMDL Priority
Aquatic Life Integrity	5-M	Benthic-Macroinvertebrate Bioassessments (Streams)	N			3-ND	
		CHLORIDE	N	2013	N/A	3-ND	
		Dissolved oxygen saturation	N			3-ND	
		Fishes Bioassessments (Streams)	N			3-ND	
		Oxygen, Dissolved	N			3-ND	
		PH	N	2013	2013	5-M	LOW
		PHOSPHORUS (TOTAL)	N	2013	NLV	3-ND	
		TURBIDITY	N	2013	N/A	3-ND	
Fish Consumption	4A-M	MERCURY - FISH CONSUMPTION ADVISORY	N			4A-M	
Potential Drinking Water Supply	2-G	ESCHERICHIA COLI	N	2013	2013	3-ND	
Primary Contact Recreation	3-ND	ESCHERICHIA COLI	N	2013	N/A	3-ND	
Secondary Contact Recreation	3-ND	ESCHERICHIA COLI	N	2013	N/A	3-ND	
Wildlife	3-ND						

<p>Good Meets water quality standards/thresholds by a relatively large margin.</p>	<p>Marginal Meets water quality standards/thresholds but only marginally.</p>	<p>Likely Good Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)</p>	<p>No Current Data Insufficient information to make an assessment decision.</p>	<p>Likely Bad Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.</p>	<p>Poor Not meeting water quality standards/thresholds. The impairment is marginal.</p>	<p>Severe Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.</p>
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Assessment Unit ID: NHRIV600020902-02
Assessment Unit Name: South River - Unnamed Brooks
Town(s) Primary Town is Listed First: Effingham

Size: 9.2740 MILES
Assessment Unit Category: 3-ND
Beach: N

2024, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

Designated Use Description	Desig. Use Category	Parameter Name	Parameter Threatened (Y/N)	Last Sample	Last Exceed	Parameter Category	TMDL Priority
Aquatic Life Integrity	3-ND	ALKALINITY, CARBONATE AS CaCO3	N	2017	2017	3-ND	
		Benthic-Macroinvertebrate Bioassessments (Streams)	N			3-ND	
		CHLORIDE	N	2017	N/A	3-ND	
		DISSOLVED OXYGEN SATURATION	N	2017	N/A	3-ND	
		Fishes Bioassessments (Streams)	N			3-ND	
		OXYGEN, DISSOLVED	N	2017	N/A	3-ND	
		PH	N	2017	2015	3-ND	
		PHOSPHORUS (TOTAL)	N	2017	NLV	3-ND	
		TURBIDITY	N	2017	N/A	3-ND	
Fish Consumption	4A-M	MERCURY - FISH CONSUMPTION ADVISORY	N			4A-M	
Potential Drinking Water Supply	2-G	ESCHERICHIA COLI	N	2013	2013	3-ND	
Primary Contact Recreation	3-ND	ESCHERICHIA COLI		2013	2011	3-ND	
Secondary Contact Recreation	3-ND	ESCHERICHIA COLI		2013	N/A	3-ND	
Wildlife	3-ND						

Good Meets water quality standards/thresholds by a relatively large margin.	Marginal Meets water quality standards/thresholds but only marginally.	Likely Good Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)	No Current Data Insufficient information to make an assessment decision.	Likely Bad Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.	Poor Not meeting water quality standards/thresholds. The impairment is marginal.	Severe Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.
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Assessment Unit ID: NHRIV600020902-03
Assessment Unit Name: South River - Unnamed Brooks
Town(s) Primary Town is Listed First: Effingham

Size: 2.24 MILES
Assessment Unit Category: 3-ND
Beach: N

2024, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

Designated Use Description	Desig. Use Category	Parameter Name	Parameter Threatened (Y/N)	Last Sample	Last Exceed	Parameter Category	TMDL Priority
Aquatic Life Integrity	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	
Fish Consumption	4A-M	MERCURY - FISH CONSUMPTION ADVISORY	N			4A-M	
Potential Drinking Water Supply	2-G						
Primary Contact Recreation	3-ND	Escherichia coli	N			3-ND	
Secondary Contact Recreation	3-ND	Escherichia coli	N			3-ND	
Wildlife	3-ND						

Good Meets water quality standards/thresholds by a relatively large margin.	Marginal Meets water quality standards/thresholds but only marginally.	Likely Good Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)	No Current Data Insufficient information to make an assessment decision.	Likely Bad Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.	Poor Not meeting water quality standards/thresholds. The impairment is marginal.	Severe Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.
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Assessment Unit ID: NHRIV600020902-04
Assessment Unit Name: South River - Salmon Brook - Hobbs Brook
Town(s) Primary Town is Listed First: Effingham

Size: 7.3680 MILES
Assessment Unit Category: 3-ND
Beach: N

**2024, 305(b)/303(d) - All Reviewed
Parameters by Assessment Unit**

Designated Use Description	Desig. Use Category	Parameter Name	Parameter Threatened (Y/N)	Last Sample	Last Exceed	Parameter Category	TMDL Priority
Aquatic Life Integrity	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	
Fish Consumption	4A-M	MERCURY - FISH CONSUMPTION ADVISORY	N			4A-M	
Potential Drinking Water Supply	2-G						
Primary Contact Recreation	3-ND	Escherichia coli	N			3-ND	
Secondary Contact Recreation	3-ND	Escherichia coli	N			3-ND	
Wildlife	3-ND						

Good Meets water quality standards/thresholds by a relatively large margin.	Marginal Meets water quality standards/thresholds but only marginally.	Likely Good Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)	No Current Data Insufficient information to make an assessment decision.	Likely Bad Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.	Poor Not meeting water quality standards/thresholds. The impairment is marginal.	Severe Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.
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Assessment Unit ID: NHRIV600020902-05
 Assessment Unit Name: Province Lake-Rte 153 Inlet
 Town(s) Primary Town is Listed First: Wakefield

Size: 0.1790 MILES
 Assessment Unit Category: 5-M
 Beach: N

2024, 305(b)/303(d) - All Reviewed
 Parameters by Assessment Unit

Designated Use Description	Desig. Use Category	Parameter Name	Parameter Threatened (Y/N)	Last Sample	Last Exceed	Parameter Category	TMDL Priority
Aquatic Life Integrity	5-M	ALKALINITY, CARBONATE AS CaCO3	N	2017	2017	3-ND	
		Benthic-Macroinvertebrate Bioassessments (Streams)	N			3-ND	
		CHLORIDE	N	2017	N/A	3-ND	
		DISSOLVED OXYGEN SATURATION	N	2017	N/A	3-ND	
		Fishes Bioassessments (Streams)	N			3-ND	
		OXYGEN, DISSOLVED	N	2017	2017	3-ND	
		PH		2017	2017	5-M	LOW
		PHOSPHORUS (TOTAL)	N	2017	NLV	3-ND	
		TURBIDITY	N	2017	N/A	3-ND	
Fish Consumption	4A-M	MERCURY - FISH CONSUMPTION ADVISORY	N			4A-M	
Potential Drinking Water Supply	2-G	ESCHERICHIA COLI	N	2013	2013	3-ND	
Primary Contact Recreation	3-ND	ESCHERICHIA COLI		2013	N/A	3-ND	
Secondary Contact Recreation	3-ND	ESCHERICHIA COLI		2013	N/A	3-ND	
Wildlife	3-ND						

Good Meets water quality standards/thresholds by a relatively large margin.	Marginal Meets water quality standards/thresholds but only marginally.	Likely Good Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)	No Current Data Insufficient information to make an assessment decision.	Likely Bad Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.	Poor Not meeting water quality standards/thresholds. The impairment is marginal.	Severe Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.
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Assessment Unit ID: NHRIV600020902-06
Assessment Unit Name: Province Lake-Island Inlet
Town(s) Primary Town is Listed First: Wakefield

Size: 0.5090 MILES
Assessment Unit Category: 5-P
Beach: N

2024, 305(b)/303(d) - All Reviewed Parameters by Assessment Unit

Designated Use Description	Desig. Use Category	Parameter Name	Parameter Threatened (Y/N)	Last Sample	Last Exceed	Parameter Category	TMDL Priority
Aquatic Life Integrity	5-P	ALKALINITY, CARBONATE AS CaCO3	N	2017	2017	3-ND	
		Benthic-Macroinvertebrate Bioassessments (Streams)	N			3-ND	
		CHLORIDE	N	2017	N/A	3-ND	
		DISSOLVED OXYGEN SATURATION	N	2017	N/A	3-ND	
		Fishes Bioassessments (Streams)	N			3-ND	
		OXYGEN, DISSOLVED	N	2017	2017	5-P	LOW
		PH		2017	2017	5-M	LOW
		PHOSPHORUS (TOTAL)	N	2017	NLV	3-ND	
		TURBIDITY	N	2017	2017	3-ND	
Fish Consumption	4A-M	MERCURY - FISH CONSUMPTION ADVISORY	N			4A-M	
Potential Drinking Water Supply	2-G	ESCHERICHIA COLI	N	2013	2013	3-ND	
Primary Contact Recreation	3-ND	ESCHERICHIA COLI	N	2013	2013	3-ND	
Secondary Contact Recreation	3-ND	ESCHERICHIA COLI	N	2013	N/A	3-ND	
Wildlife	3-ND						

Good Meets water quality standards/thresholds by a relatively large margin.	Marginal Meets water quality standards/thresholds but only marginally.	Likely Good Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)	No Current Data Insufficient information to make an assessment decision.	Likely Bad Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.	Poor Not meeting water quality standards/thresholds. The impairment is marginal.	Severe Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.
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Assessment Unit ID: NHRIV600020902-07

Assessment Unit Name: South River - To Province Lake

Town(s) Primary Town is Listed First: Effingham

Size: 1.72 MILES

Assessment Unit Category: 5-M

Beach: N

2024, 305(b)/303(d) - All Reviewed

Parameters by Assessment Unit

Designated Use Description	Desig. Use Category	Parameter Name	Parameter Threatened (Y/N)	Last Sample	Last Exceed	Parameter Category	TMDL Priority
Aquatic Life Integrity	5-M	ALKALINITY, CARBONATE AS CaCO3	N	2017	2017	3-ND	
		Benthic-Macroinvertebrate Bioassessments (Streams)	N			3-ND	
		CHLORIDE	N	2017	N/A	3-ND	
		DISSOLVED OXYGEN SATURATION	N	2017	N/A	3-ND	
		Fishes Bioassessments (Streams)	N			3-ND	
		OXYGEN, DISSOLVED	N	2017	N/A	3-ND	
		PH	N	2017	2017	5-M	LOW
		PHOSPHORUS (TOTAL)	N	2017	NLV	3-ND	
		TURBIDITY	N	2017	2015	3-ND	
Fish Consumption	4A-M	MERCURY - FISH CONSUMPTION ADVISORY	N			4A-M	
Potential Drinking Water Supply	2-G	ESCHERICHIA COLI	N	2013	2013	3-ND	
Primary Contact Recreation	4A-M	ESCHERICHIA COLI	N	2013	2011	4A-M	
Secondary Contact Recreation	3-ND	ESCHERICHIA COLI	N	2013	N/A	3-ND	
Wildlife	3-ND						

Good Meets water quality standards/thresholds by a relatively large margin.	Marginal Meets water quality standards/thresholds but only marginally.	Likely Good Limited data available. The data that is available suggests that the parameter is Potentially Attaining Standards (PAS)	No Current Data Insufficient information to make an assessment decision.	Likely Bad Limited data available The data that is available suggests that the parameter is Potentially Not Supporting (PNS) water quality standards.	Poor Not meeting water quality standards/thresholds. The impairment is marginal.	Severe Not meeting water quality standards/thresholds The impairment is more severe and causes poor water quality.
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