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Hudson River

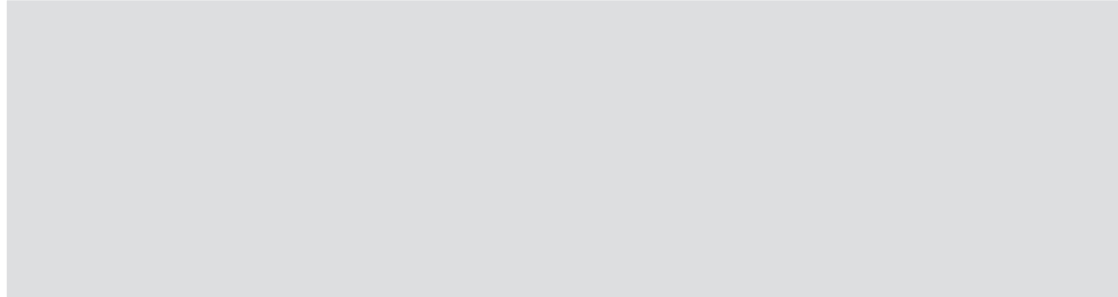
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Hudson River



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Actions:

ADVOCATE:
 > Request additional testing
 Contact your local health department and ask them to increase testing sites.

Hudson River > Water Quality

Water Quality

Click on specific location from the menu or by clicking a dot on the map:



- Fishing:** designated off-shore fishing is the primary source of contact
- Kayaking:** public launch for kayakers is the primary source of contact
- Minimal:** contact with water, if any, is limited and in transit
- Multiple Uses:** any combination of recreational boating, fishing, kayaking or fishing
- None:** no direct contact with the water has been observed

Publications

FULL REPORT:
 > "Finger in the Dike, Head in the Sand"
 > More Publications

Related Info

- > What are we testing for?
- > Safe Recreation tips
- > Water Quality Testing Partners
- > Initial Findings
- > How to read a water bill

WHY WE CARE:

About 4 billion PET bottles end up in the waste stream.
LEARN MORE >

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Actions:

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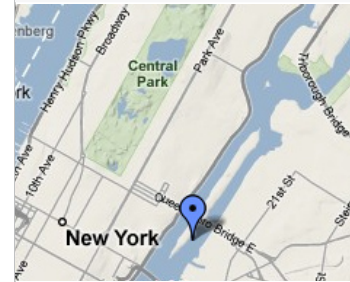
Roosevelt Island



SITE DESCRIPTION:

The East River, east of Roosevelt Island, has recreational boating and fishing, jet-skiing and kayaking.

Location



> [View full area map](#)

FAQ

- > [What are we testing for?](#)
- > [What do the numbers mean?](#)
- > [What is the Basic Data?](#)
- > [What type of water testing is done in New York State?](#)

Related Info

- > [Safe Recreation tips](#)
- > [Water Quality Testing Partners](#)
- > [Initial Findings](#)

Additional Resources

- > [NYC Department of Health and Mental Hygiene](#)
- > [Surfrider Foundation](#)
- > [What type of water testing is done in New York State?](#)

NY DEP Data | Source Name | Source Name

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■ Enterococcus count (under 35/100ml) is acceptable by EPA standards*
 ■ Enterococcus count (between 35 and 104/100ml), if sustained over time, would be unacceptable by EPA standards*
 ■ Enterococcus count (over 104/100ml) is unacceptable by EPA standards*

Water Quality, Enterococcus Count and Precipitation:

Sample Date	Enterococcus Enterococcus	Quality	Rain, day of (in)	Prior Day	2 Days Prior	3 Days Prior	5 Days Prior
9/26/2006	2	Acceptable	0.0	0.0	0.0	0.1	0.1
10/18/2006	135	Unacceptable	0.0	1.1	1.1	1.1	1.1
11/10/2006	112	Unacceptable	0.0	0.0	3.6	3.6	3.6
12/13/2006	30	Acceptable	0.2	0.2	0.2	0.2	0.2
4/18/2007	344	Unacceptable	0.0	0.0	0.9	8.5	8.5
5/23/2007 11:39AM	4	Acceptable	0.0	0.0	0.0	0.0	0.2
6/18/2007	8	Acceptable	0.0	0.0	0.0	0.0	0.0
7/11/2007 11:54AM	1	Acceptable	0.0	0.0	0.0	0.0	0.0
8/16/2007	4	Acceptable	0.0	0.0	0.0	0.0	0.0
9/6/2007 11:54AM	1	Acceptable	0.0	0.0	0.0	0.0	0.0
5/19/2008 12:31PM	0	Acceptable	0.0	0.1	0.2	1.1	1.1
6/24/2008 11:05AM	109	Unacceptable	0.0	0.1	0.1	0.1	0.3
7/2/2008 12:03PM	0	Acceptable	0.0	0.0	0.0	0.6	1.1
7/14/2008 11:24AM	187	Unacceptable	0.5	0.5	0.5	0.5	0.5
8/19/2008	0	Acceptable	0.0	0.0	0.0	0.0	1.1

Basic Sampling Data: 2006 - Ongoing

Sample Date	Enterococcus Count	Temperature (f)	Salinity
9/26/2006	2	n/a	n/a
10/18/2006	135	n/a	n/a
11/10/2006	112	n/a	n/a
12/13/2006	30	n/a	n/a
4/18/2007	344	n/a	n/a
5/23/2007 11:39AM	4	58.9	23.2
6/18/2007	8	n/a	n/a
7/11/2007 11:54AM	1	69.5	25.1
8/16/2007	4	n/a	n/a
9/6/2007 11:54AM	1	74.8	25.5
5/19/2008 12:31PM	0	57.0	21.7
6/24/2008 11:05AM	109	67.8	23.6
7/2/2008 12:03PM	0	69.2	24.0
7/14/2008 11:24AM	187	72.2	24.5
8/19/2008	0	73.4	22.4

Salinity:

Estuaries like the Hudson are where freshwaters in rivers meet the sea. Salinity tells us about the relative contribution of fresh and salt water within a particular region of the estuary. Salinity generally increases towards the mouth of the estuary, although salinity at any location can change with the tide. Heavy rains will push freshwater further down the estuary, while dry weather will allow salty water to penetrate further north. Many aquatic organisms have a preferred range of salinities where they can best survive. During our sampling trips, salinity is measured in parts per thousand (ppt). Ocean salinity is about 34 ppt and the freshwaters of the upper Hudson River are close to 0 ppt.

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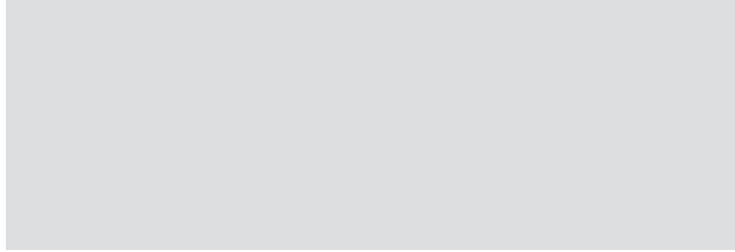
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Actions:

YOUR FEEDBACK:
 > Tell us how you would like to see public access improved

Hudson River > Public Access

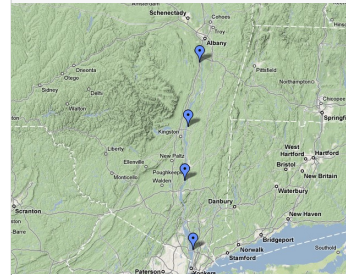
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The Hudson is a world-class river. It travels over 300 miles from its source in the Adirondacks through the Appalachian Mountains in the Hudson Highlands, and into 150 miles of tidal estuary to the mouth of New York Harbor. The River is known for its vast ecological diversity, for its place in American history, and for its sheer beauty. Learn more about the recreational access to the river:

Map View



> See full map of public access

▼ Adirondack Headwaters

SITE 1: Hudson Avenue Waterfront

- Download Map PDF (1.2MB)
- Map location >



SITE 2: Front Street Waterfront

- Download Map PDF (1.2MB)
- Map location >



SITE 3: Hudson Shores Park

- Download Map PDF (1.2MB)
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► From Fort Edward to Troy

► Mid-Hudson

► The Highlands and Verplanck

► Croton and the Tappan Zee

► New York Harbor

► The Hudson Canyon

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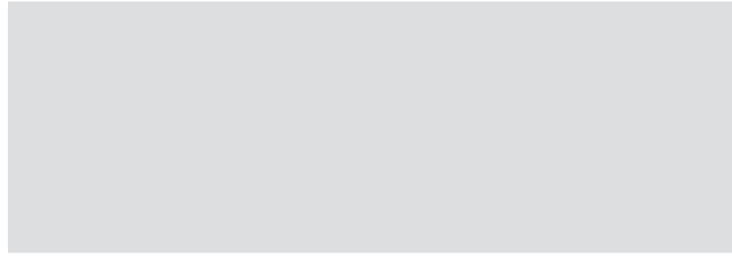
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History



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Henry Hudson first came upon the Hudson River by accident in 1609. Hired by the Dutch East India Company to find a short passage to India, the Englishman sailed his ship Half Moon 150 miles up the Hudson to Albany before realizing that it was not the route he was seeking. At that time, there were approximately 10,000 natives living on both sides of the river. The tribes were part of the Algonquin Confederacy which included the Delaware, Mohican (aka Mohegan) and Wappinger tribes. The Mohican tribe was friendly and peaceful, but Hudson's crew distrusted them and fighting followed. As Dutch and other European settlers arrived in the Hudson Valley, they struggled with the natives for land. By the end of the century, most of the native tribes had been forced west or were destroyed by war and small pox brought in by the Europeans.

▼ River Plays a Key Role in the American Revolution

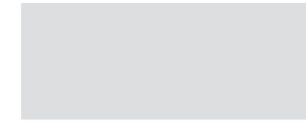
During the 1700s, the colonists realized that the river was essential for the transport of troops and supplies and that if the British gained control of it, they would be able to divide and conquer the American forces. West Point, Fort Montgomery, Fort Clinton and Fort Constitution had all been built in the Bear Mountain region to prevent the British from advancing up the river. In 1778, colonists created the Great Chain, two-foot long iron links which stretched across the river between West Point and Constitution Island to prevent the British from sailing upriver from New York City. The British, however, never came that far up the river so the chain was never put to the test. General Benedict Arnold, in command of West Point, was offered 20,000 pounds sterling by the British if he would help them take control of the Hudson and in 1780, he attempted to surrender the fort to the British. Fortunately for the colonists, the plot was discovered when the American forces captured Major John André, the British officer to whom Arnold had passed plans for West Point. Arnold narrowly escaped to a British war ship. [Learn More >](#)

▶ Traders, Artists and Millionaires

▶ The Conservation Movement

▶ The Birth of Riverkeeper

Riverkeeper on YouTube



Down the Hudson
Lorem ipsum dolor sit amet.

[Watch the Video on YouTube>](#)

About Us

> [Riverkeeper's Future Vision](#)
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HISTORIC PHOTOS

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Traveling Exhibit

Come see our exhibit celebrating the 400th anniversary of finding the Hudson near you:

- Tarrytown, NY from March 1st through April 20th, 2009
- Pier 40, Manhattan from April 21st through May 5th, 2009

[See more of our events >](#)

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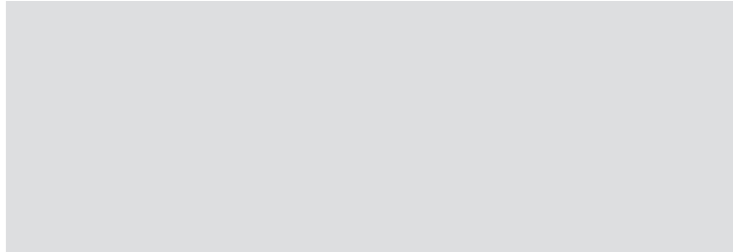
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▼ Fish



Atlantic Sturgeon

Atlantic sturgeon of the Hudson River Estuary have supported some level of subsistence or commercial fishing since colonial times. Reported commercial landings of Atlantic sturgeon are available for New York State from 1880 through 1995. [More on the DEP site >](#)



Black Bass

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River Herring

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► Birds

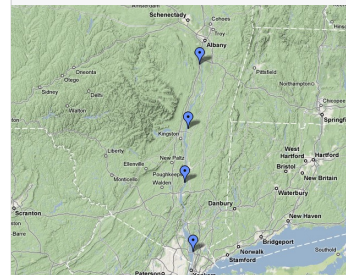
► Invertebrates

► Amphibians

► Mammals

► Plants

Map View



> See full map of local ecology

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▼ Adirondack Headwaters

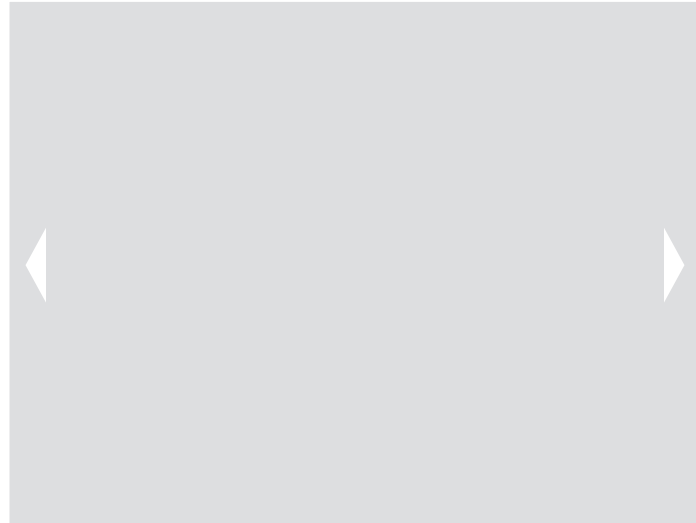


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