



# Hudson River Teacher's Resource Guide



The Wallerstein Collaborative for Urban Environmental Education  
Department of Teaching and Learning  
Steinhardt School of Culture, Education, and Human Development  
New York University  
2007

Updated 05/15/2007

## Table of Contents

### Topics

<b>Birds.....</b>	<b>2</b>
<b>Estuaries.....</b>	<b>3</b>
<b>Fish.....</b>	<b>4</b>
<b>Geology.....</b>	<b>4</b>
<b>Hudson River.....</b>	<b>5</b>
<b>Invertebrates.....</b>	<b>7</b>
<b>Journaling.....</b>	<b>8</b>
<b>Native Americans.....</b>	<b>8</b>
<b>Oceans.....</b>	<b>9</b>
<b>Oysters.....</b>	<b>10</b>
<b>Plankton.....</b>	<b>11</b>

<b>Organizations.....</b>	<b>12</b>
---------------------------	-----------

<b>Teacher Resources.....</b>	<b>13</b>
-------------------------------	-----------

## **Birds**

### **Books:**

Burton, Robert, Bird, Stephen W. (1999) National Audubon Society. *The Audubon Backyard Birdwatcher: Birdfeeders and Bird Gardens*. CA: Thunder Bay Press.

Gilfillan, Merrill. (2003) *Rivers & Birds*. Boulder: Johnson Books.

Peterson, Roger Tory (Series Editor). (2002) *A Field Guide to the Birds of Eastern and Central North America*, 5th edition. Boston: Houghton Mifflin.

### **Websites:**

50 Birds

<http://www.50birds.com/Default.htm>

Audubon New York - *For the Birds!*

<http://ny.audubon.org/ftb.htm>

Cornell Lab of Ornithology - Classroom Feeder Watch

<http://birds.cornell.edu/cfw/home.html>

Enchanted Learning - All about Birds

<http://www.enchantedlearning.com/subjects/birds/>

Great Backyard Bird Count

<http://www.birdsource.org/gbbc/>

New York City Audubon

<http://www.nycaudubon.org>

New York/ New Jersey Harbor Estuary Program

<http://www.seagrant.sunysb.edu/hep/index.htm>

New York State Department of Environmental Conservation - NYS Bird Conservation Area Program

<http://www.dec.ny.gov/animals/271.html>

NYC Audubon's 2004 Harbor Herons Shore Monitoring Program

The Tidal Exchange - winter 2005

<http://www.seagrant.sunysb.edu/hep/news/TEWinter05.pdf>

PBS - The Life of Birds

<http://www.pbs.org/lifeofbirds/>

## **Estuaries**

### **Books:**

Dwyer, Keith R. (1998) *Estuaries: A Physical Introduction*, 2<sup>nd</sup> edition. Milton: John Wiley & Sons.

Little, Colin. (2000) *The Biology of Soft Shores and Estuaries (Biology of Habitats)*. Oxford: Oxford University Press.

### **Websites:**

Blue Crab Activity

<http://www.sitesalive.com/tg/wl/private/hs/wkshtwk09.pdf>

Coastal Ecosystem Curriculum

[http://www.farallones.org/education/materials\\_and\\_resources.php](http://www.farallones.org/education/materials_and_resources.php)

Coastal Research and Education Society of Long Island, Inc.

[http://www.cresli.org/cresli/cresli\\_educational\\_materials\\_.html](http://www.cresli.org/cresli/cresli_educational_materials_.html)

Exploring Estuary Education: A teacher's guide to lessons, activities, and field trips in the harbor estuary region.

<http://www.HarborEstuary.org>

Long Island South Shore Estuary Reserve, Natural Resource Access Guide

<http://www.estuary.cog.ny.us>

National Sea Grant Library

<http://nsgd.gso.uri.edu/edu.html>

Ocean Globe- UCLA

<http://www.msc.ucla.edu/oceanglobe/investigations.htm>

Peabody Museum of Natural History

[http://www.peabody.yale.edu/education/fellows/pages/pdf/2001\\_pensky.pdf](http://www.peabody.yale.edu/education/fellows/pages/pdf/2001_pensky.pdf)

Taking an Estuary Field Trip

<http://www.ecy.wa.gov/pubs/0206020c.pdf>

USGS – Water Resources

<http://water.usgs.gov/education.html>

Queens University of Charlotte- Biodiversity Links

<http://campus.queens.edu/faculty/jannr/Ecology/biodiversity.htm>

## **Fish**

### **Books:**

McClane, A.J. (1978) *McClane's Field Guide to Freshwater Fishes of North America*. New York: Henry Holt & Company, Inc.

Gilbert, Carter Rowell and James D. Williams. (2002) *National Audubon Society Field Guide to North American Fishes*, revised edition. New York: Alfred A. Knopf, Inc.

National Audubon Society. (2002) *National Audubon Society Field Guide to Fishes : North America*. Knopf; Revised edition.

Ray, Carleton & C. Richard Robins. (1999) *A Field Guide to Atlantic Coast Fishes: North America*, 1986 edition, Boston: Houghton Mifflin.

### **Websites:**

Fish Printouts- Enchanted Learning

<http://www.enchantedlearning.com/subjects/fish/printouts/index.shtml>

Gotham Fish Tales Website

<http://www.gothamfishtales.com>

Hudson River Fishermen's Association

<http://www.hrfanj.org/>

2005-2006 Health Advisories: Chemicals in Sport fish and Game –  
New York State Department of Health

<http://www.health.state.ny.us/nysdoh/fish/fish.htm>

### **Journal Articles:**

Siemer, W.F. (2001). "Best practices for curriculum, teaching, and evaluation components of aquatic stewardship education" pp. 18-36 in A.J. Fedler (ed.). *Defining Best Practices in Boating, Fishing, and Stewardship Education*. Recreational Boating & Fishing Foundation, Alexandria, VA (available as .pdf file from RBFF).

Siemer, W. F. and B. A. Knuth. (2001). "Effects of fishing education programs on antecedents of responsible environmental behavior" *Journal of Environmental Education* 32(4), 23-29.

## **Geology**

### **Books:**

Arduini, Paolo. Horenstein, Sidney. Teruzzi, Giorgio. (1987) *Simon and Schuster's Guide to Fossils*. Fireside publishing

Horenstein, Sidney. (1978) *Big Strawberry Book of Dinosaurs and Other Prehistoric Animals*. Boston: E P Dutton.

Horenstein, Sidney. (1993) *Rocks Tell Stories (Beyond Museum Walls)*. Brookfield: Millbrook Press.

Isachsen, Y.W. et al, (2000) *Geology of New York: a simplified account*, 2nd edition, New York State Museum Educational Leaflet 28.

Perlman, Raymond, Shaffer, Paul. R., Zim, Herbert S. (2001) *Rocks, Gems and Minerals: A Golden Guide from St. Martin's Press*. New York: St. Martin's Press.

**Websites:**

United State Geological Society (USGS) - Water Resources of New York  
<http://ny.water.usgs.gov/htmls/pub/default.html>

Hudson River Estuary Benthic Mapping Project  
<http://www.dec.ny.gov/imsmaps/benthic/viewer.htm>

Benthic Habitats of NY/ NJ Harbor  
<http://www.csc.noaa.gov/lcr/nyharbor/index.html>

Landscape, land use and the iconography of space in the Hudson River valley: the nineteenth and early 20th century  
<http://members.aol.com/cragscons/acsci.html>

Hudson River Valley Mapping Lesson Plan  
<http://www.hudsonrivervalley.net/amerRevLesson/map.php>

**Hudson River**

**Books:**

Adams, G A. (1996) *The Hudson River through the years*. New York: Fordham University Press.

Adler, C.A. (2003) *Walking Manhattan's Rim: The Great Saunter*. New York: Green Eagle Press.

Adler, C.A. (1997) *Walking the Hudson, Batt to Bear: From the Battery to Bear Mountain*. New York: Green Eagle Press.

Barlie, M., and J. Michaels. (1997) *Let's Take the Kids! Great Places to Go With Children in New York's Hudson Valley: (Including the Catskills, the Adirondacks to Lake George the Berkshires, and Cooperstown)*. New York: St. Martin's Press.

Barnhouse, L. W., and R. J. Klauda. (1988) *Science Law and Hudson River Power Plants: A Case Study in Environmental Impact Assessment*. Bethesda: American Fisheries Society.

Boyle, R. H. (1979) *The Hudson River: A Natural and Unnatural History* (The Norton Library; N 844). New York: W.W.Norton & Company.

Buttfield, H. (2000) *Secret Life of Fishes: From Angels to Zebras on the Coral Reef*. New York: Abrams Inc.

Butenwieser, A. L., and R.A.M. Stern. (1999) *Manhattan Water-Bound: Manhattan's Waterfront from the Seventeenth Century to the Present*. Syracuse: Syracuse University Press.

- Dunwell, F.F. (1991) *The Hudson River Highlands*. New York: Columbia University Press.
- Glund, R. R. (1975) *Lighthouses and Legends of the Hudson River*. Library Research Associates, Inc.
- Kornblum, W., P. Hamill. and O. Williams. (2002) *At Sea in the City: New York from the Water's Edge*. New York: Algonquin Books.
- La Rocco, B. (2004) *Going Coastal New York City*. New York: Going Coastal, Inc.
- Limburg, K. E., M. A. Moran. and W. H. McDowell. (1986) *The Hudson River Ecosystem (Springer Series on Environmental Management)*. New York: Springer Verlag.
- Load, B. (1971) *On the Banks of the Hudson: A view of Its History and Folklore*. New York: Hill & Wang Publishers.
- Luckenbach, M.E., R. Mann, & Wesson, J.E., (eds). (1999) *Oyster reef habitat restoration: A synopsis of approaches*. Gloucester Point: Virginia Institute of Marine Science.
- McNeer, M. (1960) *Hudson River of History*. Champaign: Garrard Publishing Company.
- Richardson. (1979) *The Hudson River Basin: Environmental Problems and Institutional Response*. Academic Press.
- Ruge, V. F. (1995) *Life Along the Hudson: Wood Engravings of Hudson River Subjects from Harper's weekly, 1859-1903*. New York: Overlook Press.
- Safina, C. (2002) *Eye of the albatross: Visions of Hope and Survival*. New York: Henry Holt and Company, Inc.
- Safina, C. (1999) *Song For the Blue Ocean: Encounters Along the World's Coasts and Beneath the Seas*. New York: Henry Holt and Company, Inc.
- Smith, C. L. (1992) *Estuarine Research in the 1980's: The Hudson River Environmental Society Seventh Symposium on Hudson River Ecology*. Albany: State University of New York Press.
- Stanne, Steve. (1996) *The Hudson: An Illustrated Guide to the Living River*. New Brunswick: Rutgers University Press.
- Tanacredi, J.T. (ed.) (2001) *Limulus in the Limelight*. Kluwer Academic Publishers.
- Teal, J., Teal, M. (1969) *Life and Death of the Salt Marsh*. New York: Balantine Books.
- Voshell, J.R. Jr. (2002) *A Guide to Common Freshwater Invertebrates of North America*. Granville: McDonald and Woodward Publishing Co.
- Waldman, J. (2000) *Heartbeats in the Muck: A Dramatic Look at the History, Sea life, and Environment of New York Harbor*. Lyons Press.

**Websites:**

A Hudson River Portfolio: Panorama of the Hudson River from New York to Albany  
<http://www.nypl.org/research/hudson/index.html>

Henry Hudson and Early Hudson River History  
<http://www.ulster.net/~hrmm/halfmoon/halfmoon.htm>

History Matters  
<http://historymatters.gmu.edu/>

Henry Hudson and An Indian Perspective  
<http://historymatters.gmu.edu/d/5829/>

View of Hudson River in 1840's  
<http://www.mcny.org/>

Native American Tribes of the Hudson River  
<http://www.hhr.highlands.com/native.htm>

History of Hudson River: An American Treasure  
<http://www.marist.edu/summerscholars/99/>

History of Hudson River Research at Columbia University  
<http://www.ldeo.columbia.edu/Hudson/about/history.html>

#### ***Journal Articles:***

Breitburg, D.L., Coen, L, Luckenbach, M., Mann, R., & Posey, M. (2000). "Oyster reef restoration: Meeting both harvest and ecological goals". *Journal of Shellfish Research* 19 (1), 371-77.

Chu, F.L.E., Soudant, P., Cruz-Rodriguez, L.A., & Hale, R.C. (2000). "PCB uptake and accumulation by oysters (*Crassostrea virginica*) exposed via contaminated algal paste". *Marine Environmental Research*. 50, 217-221.

Wall, G. R., Riva-Murray, K., and P. J. Philips. National Water-Quality Assessment Program. (1998) "Water Quality in the hudson river basin, New York and adjacent states, 1992-95 (U.S. Geological Survey Circular, 1165). *U S Geological Survey*.

#### **Invertebrates**

##### ***Books:***

New Jersey Department of Environmental Protection. (1991) *Beneath the Shell: A Teacher's Guide to Nonpoint Source Pollution and its Potential Impact on New Jersey Shellfish*. Trenton, NJ

Strayer, David & Jurka, Kurt. (1997) *The Pearly Mussels of New York State, 1 edition*. Albany: University of the State of New York, State Education Dept.

##### ***Websites:***

NYSDEC key to Aquatic Macro invertebrates  
<http://www.dec.ny.gov/animals/7105.html>

### ***Journal Articles:***

- Engel, David W and Marius Brouwer (1984) "Cadmium-binding proteins in the blue crab, *callinectes sapidus*: laboratory-field comparison". *Marine Environmental Research*, 14 (1-4), 139-151.
- O'Connor , Joseph M. and Huggett , Robert J. (1988) "Aquatic pollution problems, North Atlantic coast, including Chesapeake Bay". *Aquatic Toxicology*, 11( 1-2), 163-190.
- Ristich , S., Crandall, M. and Fortier , J.(March 1977) "Benthic and epibenthic macroinvertebrates of the Hudson River : Distribution, natural history and community structure" *Estuarine and Coastal Marine Science*, 5 (2), 255-266 S.
- Young-Cheol Cho, Frohnhoefer, Robert. C. and Yull Rhee ,G (February 2004) "Bioconcentration and redeposition of polychlorinated biphenyls by zebra mussels (*Dreissena polymorpha*) in the Hudson River" *Water Research*, 38 (3), 769-777.

### **Journaling**

#### ***Books:***

- Hinchman, H. (1997). *A Trail Through Leaves: The Journal as a Path to Place*. New York: W.W. Norton & Company.
- Leslie, C. W. & Roth, C. E. (2000). *Keeping a Nature Journal: Discover a Whole New Way of Seeing the World Around You*. North Adams, MA.: Storey Books Publishing.
- McEwen, C. & Statman, M. (Eds.) (2000). *The Alphabet of the Trees: A Guide to Nature Writing*. New York: Teachers and Writers Collaborative.
- Peterson, Roger Tory. (1995) *Wild America: The Record of a 30,000 Mile Journey Around the Continent by a Distinguished Naturalist and His British Colleague*. Boston: Houghton Mifflin

#### ***Websites:***

The Roger Tory Peterson Institute  
[http://www.rtpi.org/?page\\_id=43](http://www.rtpi.org/?page_id=43)

### **Native Americans**

#### ***Books:***

- Adams, R.C. (1997). *Legends of the Delaware Indians and Picture Writing*. Syracuse: Syracuse University Press.
- Bierhorst, J. (1995). *Mythology of the Lenape: Guide and Texts*. Tucson: University of Arizona Press.
- Bierhorst, J.(Ed.). (1995). *The White Deer: And Other Stories Told by the Lenape*. New York: Morrow, William & Company.

- Boyd, P.D. (2004). *Atlantic Highlands, New Jersey: From Lenape Highlands to Bayside Town (Making of America Series)*. Mount Pleasant, SC: Arcadia Publishing.
- Grumet, R.S. & Porter, F.W. (1991). *Lenapes*. New York: Chelsea House Publishers.
- Hitakonanolaxk. (1993). *The Grandfathers Speak: Native American Folk Tales of the Lenape People*. Northampton: Interlink Publishing Group, Inc.
- Kraft, H.C., Kraft, J.T. & Finn, S.E. (1996). *Lenape or Delaware Indians: The Original People of New Jersey, Southeastern New York State, and Eastern Pennsylvania*. South Orange: Seton Hall University Museum.
- Laan, N.V. & Vidal, B. (1991). *Rainbow Crow: A Lenape Tale*. New York: Alfred A. Knopf, Inc.
- Waldauer, K. (Ed.). (1978). *Lenape Indian Teaching Kits: Introduction to the Lenape*, Vol. 1. Moorestown, NJ: Middle Atlantic Press.
- Waldauer, K. (Ed.). (1978). *Lenape Indian Teaching Kits: Lenape Lore/Folk Medicines*, Vol. 2. Moorestown, NJ: Middle Atlantic Press.
- Waldauer, K. (Ed.). (1979). *Lenape Indian Teaching Kits: Lenape Lore/Clothing, Shelter, Crafts, Weapons, Tools and Specialties*, Vol. 3. Moorestown, NJ: Middle Atlantic Press.

**Websites:**

- Delaware (Lenape) Tribe of Indians  
<http://www.delawaretribeofindians.nsn.us/>
- Facts for Kids: Lenni Lenape Indian Tribe  
[http://www.geocities.com/bigorin/lenape\\_kids.htm](http://www.geocities.com/bigorin/lenape_kids.htm)
- Lenape Indians.Com  
<http://www.lenapeindians.com/>
- Indian Tribes of the Hudson River  
<http://hhr.highlands.com/native.htm>

**Oceans**

**Books:**

- Cole, Joanna. (1994) *The Magic Schoolbus on the Ocean Floor*. New York: Scholastic Press
- Pratt, Kristin Joy. (1994) *A Swim Through the Sea*. Nevada City: Dawn Publications.
- Simon, Seymour. (1997) *Oceans*. New York: Harper Trophy Publishing
- Sverdrup, Keith A, Duxbury, Allison B. (2004) *An Introduction to the World's Oceans*. Columbus: McGraw-Hill Science/Engineering/Math.

**Websites:**

Bridge: Ocean Sciences Teacher Resource Center

<http://www.vims.edu/bridge>

Coastal Ecosystem Curriculum

<http://www.farallones.org/documents/education/SandyBeach.pdf>

Department of Fisheries and Oceans, Canada: The Big Blue Bus

[http://www.dfo-mpo.gc.ca/canwaters-eauxcan/bbb-lgb/index\\_e.asp](http://www.dfo-mpo.gc.ca/canwaters-eauxcan/bbb-lgb/index_e.asp)

Federal Resources for Educational Excellence- Oceanography

<http://wdcrobcolp01.ed.gov/cfapps/free/displaysubject.cfm?sid=8>

Ocean link

<http://oceanlink.island.net/index.html>

PBS- Secrets of the Ocean Realm

<http://www.pbs.org/oceanrealm/intheschool/index.html>

Sea WIFS Satellite Imagery

<http://oceancolor.gsfc.nasa.gov/SeaWiFS/TEACHERS/>

United Nations—Year of the Ocean

<http://ioc.unesco.org/iyo/activities/education.htm>

**Oysters**

**Books:**

Luckenbach, M.E., R. Mann, and J.E Wesson. (Eds.) (1999) *Oyster Reef Habitat Restoration: A Synopsis of Approaches*. Gloucester Point: Virginia Institute of Marine Science.

**Websites:**

River Lab Oyster Lesson Plan

<http://cpmcnet.columbia.edu/dept/physio/schools/cas/h2olesson.html>

Maryland Aquafarmer-Creating Oyster Habitat: What makes a good site?

<http://www.mdsg.umd.edu/Extension/Aquafarmer/Spring01.html>

The Bridge- Ocean Sciences Teacher Resource Center- Oyster Gardens

[http://www.vims.edu/bridge/index\\_archive0501.html](http://www.vims.edu/bridge/index_archive0501.html)

Education on a Half-Shell, Using Oysters to teach biological concepts

<http://lamer.lsu.edu/classroom/edonahalfshell/culturecycle.htm>

Baykeeper- Oyster Restoration Program

<http://www.nynjbaykeeper.org/programs/42>

Build your own oyster reef (Interactive website)  
<http://www.urbanrivers.org/oysterreef/index.html>

**Journal Articles:**

- Breitburg, D.L., L. Coen, M. Luckenbach, R. Mann, and M. Posey. (2000) "Oyster reef restoration: Meeting both harvest and ecological goals." *Journal of Shellfish Research* 19 (1), 371-377.
- Chu, F.L.E., P.Soudant, L.A. Cruz-Rodriguez and R.C Hale. (2000) "PCB uptake and accumulation by oysters (*Crassostrea virginica*) exposed via contaminated algal paste." *Maine Environmental Research* .50: 217-221

**Plankton**

**Books:**

- Cerullo ,Mary M. and Bill Curtsinger. (1999) *Sea Soup: Phytoplankton*. Gardiner, ME: Tilbury House Publishers
- Cerullo, Mary M. and Bill Curtsinger. (2001) *Sea Soup: Zooplankton*. Gardiner, ME: Tilbury House Publishers.
- Gowen, A.W. and H.F. Mulligan. (1978) *A Photographic Guide to the Phytoplankton of the Coastal Waters, Gulf of Maine*. Ithaca: Shoals Marine Laboratory.
- Hardy, A.C. (1956) *The Open Sea: Its Natural History: The World of Plankton*. London: Collins Publishing.
- Pace, M. L., and D. J. Lonsdale. *Ecology of the Hudson Zooplankton Community*. J. S. Levinton (ed.). The Hudson River. (in press).
- Robb, Jackie.Berny. Stringle, Karen Duncan. (2003) *The Story of Plankton (Bang on the Door Series)* London: Chrysalis Books.
- Stevens, Betsy T., Giebfried, Rosemary. (1999) *Sea Soup Teacher's Guide: Discovering the Watery World of Phytoplankton and Zooplankton*. Gardiner, ME: Tilbury House Publishers.
- Thomas, Carmelo (Ed). (1997) *Identifying Marine Phytoplankton*. San Diego: Academic Press
- Ulrich, Sommer (Ed.). (1989) *Plankton Ecology*. New York: Springer-Verlag.
- Vinyard, W.C. (1979) *Diatoms of North America*. Eureka, CA: Mad River Press, Inc.
- Wimpenny, R.S. (1966) *The Plankton of the Sea*. New York: American Elsevier Publishers.

**Websites:**

Guide Sheet for Phytoplankton  
<http://octopus.gma.org/space1/guide.html>

Playing Around with Plankton

[http://www.peabody.yale.edu/education/fellows/pages/pdf/2001\\_pensky.pdf](http://www.peabody.yale.edu/education/fellows/pages/pdf/2001_pensky.pdf)

Project Oceanography- Getting to Know Plankton

<http://www.marine.usf.edu/pjocean/packets/f01/f01u6p2.pdf>

Queens University of Charlotte- Biodiversity Links

<http://campus.queens.edu/faculty/jannr/Ecology/biodiversity.htm>

***Journal Articles:***

Carlson, D.M. (1978) "The ecological role of zooplankton in a Long Island salt marsh." *Estuaries*, 1:85-92.

Fisher, N.S., V.T. Breslin, and M. Levandowsky. (1995) "Accumulation of silver and lead in estuarine micro zooplankton." *Marine Ecology Progress Series* 116: 207-215.

Pace, M. L., S. Findlay, and D. Lints. (1992) "Zooplankton in advective environments: The Hudson River community and a comparative analysis." *Canadian Journal of Fisheries and Aquatic Sciences*. 49:1060-1069.

**Organizations**

Estuarine Research Federation

<http://www.erf.org/Welcome.html>

The Globe Program

[http://www.globe.gov/globe\\_flash.html](http://www.globe.gov/globe_flash.html)

The Groundwater Foundation

<http://www.groundwater.org>

Hudson River Basin Watch

<http://www.hudsonbasin.org/>

Hudson River Fishermen's Association

<http://www.hrfanj.org/>

Hudson River Foundation

<http://www.hudsonriver.org/>

Institute of Ecosystem Studies

<http://www.ecostudies.org/>

Jason Project

<http://www.jasonproject.org>

MEER Educational Programs

<http://www.meer.org/eduprogs.htm>

New York City Audubon Society  
<http://www.nycaudubon.org/home/>

New York City Department of Environmental Protection (DEP)  
<http://www.ci.nyc.ny.us>

New York City Soil and Water Conservation District  
<http://www.nycswcd.net>

New York State Department of Environmental Conservation (DEC)  
<http://www.dec.ny.gov/>

New York State Department of Health  
<http://www.health.state.ny.us>

New York State Marine Education Association  
<http://www.nysmea.org>

NY/NJ Baykeeper – Oyster Restoration  
<http://www.nynjbaykeeper.org/programs/42>

River Keeper  
<http://www.riverkeeper.org/index.php>

The Hudson Basin River Watch  
<http://www.hudsonbasin.org>

The Hudson River Estuary Program  
<http://www.dec.ny.gov/lands/4920.html>

The River Project  
<http://www.riverproject.org/>

U.S. Environmental Protection Agency (EPA)  
<http://www.epa.gov/teachers>

United State Geological Society (USGS)- Water Resources of New York  
<http://ny.water.usgs.gov/htmls/pub/default.html>

Wildlife Conservation Society (NY Aquarium)  
<http://wcs.org/home/education>

## **Teachers Resources**

EPA Environmental Education and Youth Programs  
<http://www.epa.gov/region02/ee/>

Estuarine Research Federation  
<http://www.erf.org/Welcome.html>

Hudson River Basin Watch  
<http://www.hudsonbasin.org/>

The Globe Program  
[http://www.globe.gov/globe\\_flash.html](http://www.globe.gov/globe_flash.html)

NYS Department of Environmental Conservation  
Project WET and Project Aquatic Wild Workshops  
<http://www.dec.ny.gov/education/1913.html>

Signals of Spring  
[http://www.signalsofspring.net](http://www.signalsofpring.net)

Trust for Public Land- Teacher's Resource Program  
[http://www.tpl.org/tier3\\_cdl.cfm?content\\_item\\_id=8086&folder\\_id=1805](http://www.tpl.org/tier3_cdl.cfm?content_item_id=8086&folder_id=1805)

***Teacher Opportunities:***

New York State Marine Education Association  
<http://www.nysmea.org/>

Sea World Adventure Camp  
<http://www.swbg-adventurecamps.com>

U.S. National Oceanic and Atmospheric Administration (NOAA) Teacher at Sea  
<http://www.tas.noaa.gov>

Whale Camp  
<http://www.whalecamp.com/programs.htm>

Woods Hole Sea Education Association  
<http://www.sea.edu/academics/k12.asp>