

### Snapshot Day Equipment Checklist

The following list of equipment is arranged according to various possible stations during the Day in the Life of the Hudson River. There are many items on this list that you may not need, and there are likely additional materials we didn't include that you'll want to add to this list. Also, you don't have to arrange your Snapshot Day trainings according to this list.

#### General Materials

First Aid Kit  
Emergency Contact Sheet  
Snapshot Day Date Sheet  
Clipboards  
Extra Pencils  
Permanent Markers  
Cooler with Ice or Cold-Paks  
Binoculars  
Camera  
Plenty of Drinking Water  
Cell Phone  
Spare Trash Bags

#### Fishing, Invertebrates (The Zoological River)

<b><u>Equipment</u></b>	<b><u>Availability</u></b>	<b><u>Price</u></b>
Seine Net	<a href="http://www.Memphisnet.net">www.Memphisnet.net</a>	\$12.00-\$200.00
Chest or Hip Waders	Dicks Sporting Goods, <a href="http://Forestry-suppliers.com">Forestry-suppliers.com</a>	\$29.99-\$100.00
Minnow Traps or Small Fish Trap	<a href="http://www.memphisnet.net">www.memphisnet.net</a> , Local Bait Shop	\$10.00-\$60.00
5 Gallon Bucket	Local Hardware Store	\$6.00
Small Dip Net for handling fish	Local Pet Shop	\$4.00
Clearwater Fish Key	Downloadable from Snapshot Day Website	FREE
Small Plastic Aquarium for Viewing Fish (10 Gallon)	Local Pet Shop	\$10.00
Battery Powered Air Pump	Local Pet Shop	\$4.00
Ruler or Tape Measure	Hardware Store	\$2.00-\$10.00
Long Handled Aquatic Insect Net	<a href="http://Forestry-suppliers.com">Forestry-suppliers.com</a>	\$39.99
Macroinvertebrate Identification Guide	<a href="http://www.iowater.net/datashts/BMIKey2Edvmay05.pdf">http://www.iowater.net/datashts/BMIKey2Edvmay05.pdf</a>	FREE
Shallow Plastic Tray		
Magnifying Glass		

#### Site Description and Tides (The Physical River)

<b>Equipment</b>	<b>Availability</b>	<b>Price</b>
Tide Stick or Yard Stick	Local Hardware Store	\$5.00-\$10.00
Map or Chart of Hudson with River Miles	nauticalcharts.com	\$24.99
Tide Chart for your Location and Date	co-ops.nos.noaa.gov/tides08/	FREE
GPS Unit	www.garmn.factoryoutletstore.com	\$149.99-\$300.00
Wetland or Aquatic Plant Guide		
Beaufort Chart		
Pocket Anemometer	www.omega.com	\$69.99
Air Thermometers (degrees C or F)	www.wardsci.com	\$8.99
Measured rope (for determining current speed)		
Watch with a second hand		

#### **Water Quality (The Chemical River)**

<b>Equipment</b>	<b>Availability</b>	<b>Price</b>
Bucket with Rope	Local Hardware Store	\$6.99
Water Thermometers (degrees C or F)	www.wardsci.com	\$8.99
Dissolved Oxygen Titration Kit (HACH, LaMotte)	www.wardsci.com	\$50.00
Saturation Graph Nomogram		
pH Test Kits (test strips, color disc, meter)		
Test Kit	www.wardsci.com	\$30.00
Color Dics	www.hach.com	\$118.00
Meter	www.hach.com	\$590.00
Salinity Instrument		
Hydrometer		
Refractometer (primarily salt water)	www.wardsci.com	\$99.99
Quantab Test Strips (background salinity)	www.hach.com	\$35.40
Chloride Titration (H and L ranges)	www.hach.com	\$40.00-\$90.00
Various kits are also available for testing conductivity and other nutrients such as phosphates and nitrates		
World Water Monitoring Day kits	www.lamotte.com	\$13.00
Screw top container for wast chemicals		
Container or Bag for Trash		
Paper Towels or Wet-Naps		

#### **Additional Sampling (Looking Deeper)**

<u>Equipment</u>	<u>Availability</u>	<u>Price</u>
Resealable bags (i.e. Ziploc)		
Hipwaders or Boots	Dick's Sporting goods	\$30.00-\$100.00
Turbidity Instruments		
Secchi Disc	<a href="http://www.hach.com">www.hach.com</a>	\$48.95
Turbidimeter	<a href="http://www.hach.com">www.hach.com</a>	\$830.00
Sediment Corer	Chris and Margie!	
Chlorophyll Sampling Kit	Chris and Margie!	