

# A Day in the Life of the Hudson River 2014: *Fishing*



Your site: \_\_\_\_\_ Your sampling date: \_\_\_\_\_  
 What did you catch on your Day in the Life? \_\_\_\_\_

A Day in the Life of the Hudson River Estuary is usually one day in October. This year, due to weather, programs were held over the last two weeks of October. Students with seine nets, as well as catch-and-release traps, caught over 2000 fish from 36 species during this time. The table below displays catches from just a handful of sites.

**Catch data for some of the sites, October 2014**

River Mile (or related waterway)	Site	Herring	Spottail Shiner	Banded Killifish	Atlantic Silverside	Striped Bass	Bay Anchovy
154	Peebles Island	2	11	146			
123	Coxsackie	2		2			
92	Kingston	71	59	3		4	
84.5	Norrie Point	113	53	3		2	
61	Beacon	29	10	6		8	1
35	Croton	4	7		86	13	1
25	Piermont	18			241	3	1
18	Yonkers	2					5
NY Harbor	Brooklyn				58	1	
<b>Fill in the totals:</b>		<b>241</b>	<b>140</b>	<b>160</b>	<b>385</b>	<b>31</b>	<b>8</b>



Students caught six species that had not been caught before in our Day in the Life event, including a saltwater permit (RM -11), top, and a freshwater logperch (RM 84.5), bottom.

Answer the questions below based on the table above.

1. For the sites listed, which fish was caught in greatest numbers in 2014?

The Atlantic silverside was caught in the greatest numbers (385) at the sites listed.

2. Which species were caught in the most places (on this list) in 2014?

Herring was caught in the most places (eight sites) in 2014.

In the Hudson River Estuary, the water near the ocean is salty, while further upriver it is fresh. The leading edge of salty water is called the **salt front**. Between October 16<sup>th</sup> and October 28<sup>th</sup>, the salt front was between river miles 66 and 61.

3. Based on the location of the salt front, which two of the listed fish species is found mainly in saltwater?

Atlantic silversides and bay anchovies are found mainly in salt water.

4. Which two species are found mainly in freshwater?

Banded killifish and spottail shiners are found mainly in freshwater.

5. Which two species are likely to be found throughout the whole estuary, both fresh and salty?

Herring and striped bass are found throughout much of the estuary.