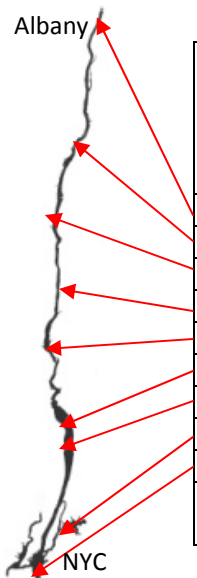


# A Day in the Life of the Hudson River 2012: *Fish*

Your site: \_\_\_\_\_ What did you catch on Oct 4<sup>th</sup>?: \_\_\_\_\_

Students with seine nets, as well as catch-and-release traps, caught over 1600 fish from 34 species on A Day in the Life of the Hudson River Estuary. The table below displays catches from just a handful of sites.

**Catch data for some of the sites on Oct 4<sup>th</sup>, 2012**



River Mile (or related waterway)	Site	Herring	Spottail Shiner	Banded Killifish	Atlantic Silverside	Striped Bass	Bluefish
153	Green Is./Troy	2	254				
115	Cohotate	52	12	19		5	
92	Kingston		28			1	
76	Poughkeepsie		18	47		1	
58	Kowawese		4	1		10	
31	Nyack				60	4	
25	Piermont	3			179	16	
East River	Brooklyn Bridge				4	1	1
NY Harbor	Staten Island				112		1
<b>Fill in the totals:</b>		<b>57</b>	<b>316</b>	<b>67</b>	<b>355</b>	<b>38</b>	<b>2</b>



Striped bass at the Brooklyn Bridge

Answer the questions below based on the table above.

- For the sites listed, which fish was caught in greatest numbers on October 4<sup>th</sup>?  
**Atlantic silversides, with spottail shiners as a close second**
- Which species were caught in the most places (on this list) on October 4<sup>th</sup>?  
**Striped bass were caught at seven of the nine sites listed**

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**. On October 4<sup>th</sup> the salt front was near the Beacon-Newburgh Bridge at River Mile 62.

- Based on the location of the salt front, which two of the listed fish species is found mainly in saltwater?  
**Atlantic silversides and bluefish**
- Which two species are found mainly in freshwater?  
**Spottail shiners and banded killifish**
- Which two species are likely to be found throughout the whole estuary, both fresh and salty?  
**Herring and striped bass**