

# A Day in the Life of the Hudson River 2011: *Fishing*

Your site: \_\_\_\_\_ What did you catch on Oct 18<sup>th</sup>?: \_\_\_\_\_

Students with seine nets, as well as catch-and-release traps, caught hundreds of fish and dozens of 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 18<sup>th</sup>, 2011**



River Mile	Site	Atlantic Silverside	White Perch	Striped Bass	Herring	Sunfish	Spottail Shiner
133	Schodack			1			22
108	Germantown		1	16	23	2	37
97	Ulster Landing		1	1		1	25
61	Beacon			1	86		6
55	Cold Spring		1		200	1	2
35	Croton Point	5	6	2		3	5
28	Nyack	22	2	6			
13	Englewood	50		9	10		
NY Harbor	Brooklyn	7					
<b>Fill in the totals:</b>							



Answer the questions below based on the table above.

1. For the sites listed, which fish was caught in greatest numbers on October 18<sup>th</sup>?
2. Which species were caught in the most places (on this list) on October 18<sup>th</sup>?

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**. The salt front was at river mile 36, just north of Croton Point, on October 18<sup>th</sup>.

3. Based on the location of the salt front, which of the listed fish species is found mainly in saltwater?
4. What two species are found mainly in freshwater?
5. What three species are likely to be found throughout the whole estuary, both fresh and salty?
6. Even if you weren't able to catch fish on October 18<sup>th</sup>, which species from the table above would you be likely to catch at your site?

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NY Harbor	Brooklyn	7					
<b>Fill in the totals:</b>		<b>84</b>	<b>11</b>	<b>36</b>	<b>319</b>	<b>7</b>	<b>97</b>



Answer the questions below based on the table above.

- For the sites listed, which fish was caught in greatest numbers on October 18<sup>th</sup>?  
**Herring, especially because of the one big catch in Cold Spring.**
- Which species were caught in the most places (on this list) on October 18<sup>th</sup>?  
**Striped bass were caught in seven of the locations 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**. The salt front was at river mile 36, just north of Croton Point, on October 18<sup>th</sup>.

- Based on the location of the salt front, which of the listed fish species is found mainly in saltwater?  
**Atlantic silversides**
- What two species are found mainly in freshwater?  
**Sunfish and spottail shiners**
- What three species are likely to be found throughout the whole estuary, both fresh and salty?  
**White perch, striped bass, and herring**
- Even if you weren't able to catch fish on October 18<sup>th</sup>, which species from the table above would you be likely to catch at your site?  
**This will depend greatly on where you are. Find a spot on the table that is nearest to your site's river mile, and it's likely that you share some of the same habitats and species.**