# A Day in the Life of the Hudson River 2010: *Fishing*

**Your site:** _____**What did you catch on Oct 14th?:** _____

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.

Albany

**Catch data for some of the sites on Oct 14th, 2010**

| River Mile | Site | Silversides | White Perch | Striped Bass | Bluefish | Blue Crab | Killifish | Herring | Sunfish | Spottail Shiner |
|---|---|---|---|---|---|---|---|---|---|---|
| 96 | Ulster | | 49 | 1 | | | 2 | | 6 | 80 |
| 62 | Beacon | | | 1 | | | 2 | | 1 | 14 |
| 25 | Piermont | 103 | 3 | 39 | | 54 | 3 | 39 | | |
| 18 | Yonkers | 18 | | 9 | 1 | 3 | | | | |
| 13 | Englewood | 50+ | 1 | 1 | | | | | | |
| NY Harbor | Breezy Point | 72 | | | | | | | | |
| Fill in the totals: | | | | | | | | | | |

NYC

**Fish caught seining at Ulster**

Answer the questions below based on the table above.

1. For the sites listed, which fish was caught in greatest numbers on October 14th?
   Silversides, specifically known as Atlantic silversides

2. Which species was caught in the most places on October 14th?
   Striped bass were caught in five locations listed, silversides were caught in four 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 near Croton (RM 36) on October 14th.

3. Based on the location of the salt front, what are two species found mainly in saltwater?
   Silversides and bluefish

4. What are two species are found mainly in freshwater?
   Sunfish (all sunfish are grouped together for the purposes of this exercise) and spottail shiners

5. What two species are likely to be found throughout the whole estuary, fresh and salty?
   White perch and striped bass

6. Even if you weren't able to catch fish on October 14th, 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.

The Day in the Life of the Hudson River website is http://www.ldeo.columbia.edu/edu/k12/snapshotday/