

# 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>       |                |         |                 |                  |                     |              |             |



Students caught six species that had not been caught before in our Day in the Life events, 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?
2. Which species were caught in the most places (on this list) 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?
4. Which two species are found mainly in freshwater?
5. Which two species are likely to be found throughout the whole estuary, both fresh and salty?