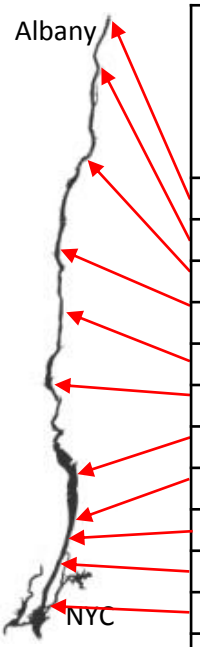
A Day in the Life of the Hudson River 2016: Fishing *Teacher Version*

Your site: _____ What did you catch or see on Oct 20th?: _____

Students with seine nets, as well as catch-and-release traps, caught over 1,400 fish of 37 species on A Day in the Life of the Hudson River Estuary. Here are the results from just a few of the many sites:

Students look at two commonly caught fish in the Hudson River, Atlantic silversides (left) and striped bass (right)



River Mile	Site	spottail shiner	Atlantic silverside	striped bass	bluegill sunfish	bluefish
RM 153	Green Island				5	
RM 138	Castleton-on-Hudson	6		1		
RM 118	City of Hudson	23			10	
RM 92	Kingston			3	3	
RM 76	Poughkeepsie	7		3		
RM 57	Cornwall-on-Hudson	18		15		
RM 32	Ossining		12	7		2
RM 23	Dobbs Ferry		43	5		2
RM 19	Yonkers		87	5		
RM 11	Ft. Washington Park, Manhattan		33	1		1
ER 1W	East River/Brooklyn Bridge West		46	1		
	Fill in the totals:	*54*	*221*	*41*	*18*	*5*

Answer the questions below based on the table above.

1. For the sites listed, which fish was caught in greatest numbers on October 20th?

   Atlantic silversides

2. Which species was caught in the most places (on the list) on October 20th?

   Striped bass

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 20th the salt front was near Poughkeepsie.

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

   Atlantic silversides and bluefish.

4. Which species are found mainly in freshwater?

   Bluegill sunfish and spottail shiners. Spottail shiners are generally a freshwater fish, although sometimes they can be found in slightly brackish water (like at Cornwall and Poughkeepsie this year).

5. Which species is likely to be found throughout the whole estuary, in both fresh and salty water?

   Striped bass