

A Day in the Life of the Hudson and Harbor 2017: Fishing *Teacher Version*

Your site: _____ What did you catch or see on Oct 12th?: _____

Students with seine nets, as well as catch-and-release traps, caught over 1,300 fish of 28 species on A Day in the Life of the Hudson and Harbor. Here are the results from just a few of the many sites:



Students seining silvery specimens at Ulster Landing (left). A bundle of brackish-loving bay anchovies bounced around as far north as Newburgh Bay (right).

River Mile	Site	banded killifish	Atlantic silverside	white perch	striped bass	spottail shiner
RM 154	Peebles Island	1				20
RM 133	Schodack Island	3				29
RM 123	Coxsackie Boat Launch	1			4	
RM 118	City of Hudson	38		2		2
RM 76	Poughkeepsie	2				1
RM 45	West Point			50	10	50
RM 39	Stony Point		23	4	8	
RM 28	Memorial Park, Nyack		50	2	4	
RM 22	Hastings-on-Hudson		121	2	9	
RM 11	Ft. Washington Park, Manhattan		110		1	
RM 7	Pier i, Manhattan				1	
Fill in the totals:		45	304	60	37	102

Answer the questions below based on the table above.

- For the sites listed, which fish was caught in greatest numbers on October 12th?

Atlantic silversides

- Which species was caught in the most places (on the list) on October 12th?

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 12th the salt front was somewhere between Poughkeepsie and West Point.

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

Atlantic silversides.

- Which species are found mainly in freshwater?

Banded killifish. Banded killifish and spottail shiners are generally freshwater fishes, although sometimes they can be found in slightly brackish water (like spottail shiners at West Point this year).

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

Striped bass because they are migratory fish and white perch which are found in salt, fresh and brackish water.