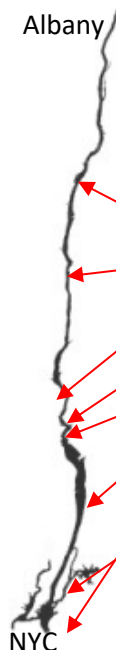


A Day in the Life of the Hudson and Harbor 2021: Fishing

Teacher Version

2021 was the 19th annual Day in the Life of the Hudson and Harbor! Over 70 sites were sampled by over 3,000 participants. The table below shows some of the fish caught. Students pull a seine net in the picture to the right.



Hudson River Mile	Site	Spottail shiner	Atlantic silverside	Striped bass	American eel	Banded killifish	Striped killifish	Herring (all species)
108.5	Germantown	9		2		1		15
84.5	Norrie Point	38			1	17		18
52	West Point	35			1			39
43.5	Peekskill	3	3			2		25
41	Verplanck		90					8
25	Irvington		25	17	2			
-5	Jamaica Bay		7				145	
East River	Brooklyn Bridge Park		52					2
Fill in the totals:		85	177	19	4	20	145	107

Answer the questions based on the table above:

- 1) Which species was caught in the most places (on this list) on October 14, 2021? **HERRING**
- 2) 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. Atlantic silversides can be found pushing right up to the edge of the salt front. Based on the northernmost site listed here with Atlantic silversides, where would you estimate the location of the salt front on October 14th? **NORTH OF RIVER MILE 43.5**
- 3) Based on the location of the salt front, which of the listed fish species are found mainly in saltwater? **ATLANTIC SILVERSIDES, STRIPED KILLIFISH**
- 4) Which species are found mainly in freshwater? **SPOTTAIL SHINER, BANDED KILLIFISH**
- 5) Which species is likely to be found throughout the whole estuary, in both fresh and salty water? **STRIPED BASS, AMERICAN EEL, AND HERRING. THESE THREE SPECIES ARE MIGRATORY, AND USE FRESHWATER AND SALTWATER HABITATS AT DIFFERENT TIMES OF THEIR LIFE.**