



DAY IN THE LIFE OF THE HUDSON & HARBOR

10/22/20 - NEW YORK HARBOR (AND CONNECTED WATERWAYS)

NAME:

You might want to look at the questions on page #2 before you record your data!

WATER TEMPERATURE:	Location	°C	°F

DISSOLVED OXYGEN:	Location	ppm or mg/L

TURBIDITY (Clarity)	Location	cm of visibility

TIDE	Location	Low tide or High tide

SALINITY	Location	ppt salinity

FISH & OTHER ANIMALS Clearwater fish key http://fishkey.clearwater.org	Location	Fish ID



MAP OF THE NEW YORK HARBOR & CONNECTED WATERWAYS SITES



TAKING A DEEPER DIVE!

You have recorded data from about ten places in the Hudson Harbor and you have heard from our Guest Scientist about one topic in particular - SALINITY!

Let's take a Deeper Dive into your salinity readings!

- You have three salinity readings from different locations in the harbor.
- Recall what our guest scientist said was the source of the salt in the harbor? Which of these three locations is closest to the 'source' of the salt?
- How does that salinity reading compare to the other two?

Bonus Question!

- Now let's look at the other two salinity readings.
- Draw a line across the map between these two locations. It is pretty close to a straight line connecting them making them almost the same distance from the New York Harbor mouth of the Hudson River.
- Look at the salinity of the two locations. Are they almost the same?
- Is this what you would expect?
- What do you think is going on? Hint: Notice that one is on the Hudson side of Manhattan and one is on the East River side. Look at the map again, consider the source of the water for the East River.