

Master Data Sheet

Instructions:

Please use this worksheet to submit the data your class collected during the student summit event for *A Day in the Life of the Lake Ontario-St. Lawrence River Watershed*. Gather data from your class's Student Data Packets and record the averages or the most common result in the tables provided. Your results will be compiled with results from other schools and will be made available online.

Once complete, please send this worksheet to Emily Fell (emily.fell@dec.ny.gov) at the New York State Department of Environmental Conservation by November 30th.

Table 1: Sampling Location

Sampling Date	October 3, 2023
Sampling Location (Park Name)	Fort Niagara State Park
Waterway	Lake Ontario
School Name	Wilson Middle School

Table 2: Data Summary

Activity Station	Parameter	Result
Station 1: Land Assessment	Air Temperature (°F)	76 F
	Weather Conditions	warm during the day, colder at night, sunny, breezy, no rain in the last few days
	Wind Speed (rpm)	26
	Wind Direction	SW
	Land Around Site is Mostly... (forested, industrial, etc.)	Forest/roads and parking lots
	Most Abundant Native Species Observed	maple trees
	Most Abundant Non-Native Species Observed	grass



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Table 2: Data Summary (continued)

Activity Station	Parameter	Result
Station 2: Water Assessment	Water Temperature (°F)	60
	Turbidity (inches)	21.7 inches
Station 3: Chemical Water Quality Assessment	Phosphate (ppm)	1-2 ppm
	Nitrate (ppm)	5ppm
	Dissolved Oxygen (ppm) and % Saturation	4ppm, 28% saturation
	pH	8
Station 4: Biological Water Quality Assessment	3 Most Abundant Macroinvertebrates Caught	Collected from Iroquois National Wildlife Refuge- limpets, damelflies and beetles
	Pollution Tolerance Index Value	73
	Water Quality (poor/fair/good/excellent)	good
Additional Data (if applicable)	*Fish and Wildlife Service staff brought macro invertebrate samples collected from the Iroquois National Wildlife Refuge for students to learn about identification and using macro invertebrates to determine water quality. The station 4 data does not reflect conditions at Fort Niagara.	

Based on their observations, did students determine if land use within the watershed had an effect on the water quality at their sampling site?

yes

Did students determine if the water quality at their sampling site was poor, fair, good, or excellent?

yes, 1 group completed this step

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Waterway	
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Activity Station	Parameter	Result
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	Weather Conditions	
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	Land Around Site is Mostly... (forested, industrial, etc.)	
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Station 3: Chemical Water Quality Assessment	Phosphate (ppm)	
	Nitrate (ppm)	
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	pH	
Station 4: Biological Water Quality Assessment	3 Most Abundant Macroinvertebrates Caught	
	Pollution Tolerance Index Value	
	Water Quality (poor/fair/good/excellent)	
Additional Data (if applicable)		

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