

Urban Ecology Field Data Sheet

Name: _____ Location: _____ Date: _____

Basic Water Quality Station:

Follow the instructions on each test kit. Record your results and conclusions here.

Test	Result	Conclusions: This water is (circle one for each test)
Temperature		Warm Cold
Turbidity		Clear Fair Cloudy
Salinity		Marine Brackish Fresh
Coli. Bacteria		Safe for: Boating Fishing Swimming Drinking

Chemical Analysis Water Quality Station

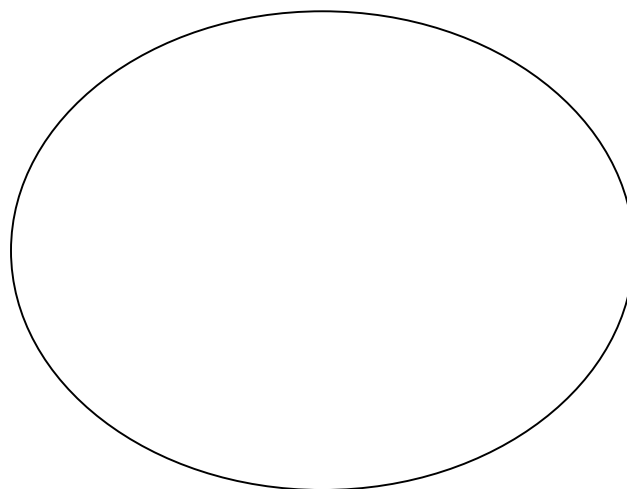
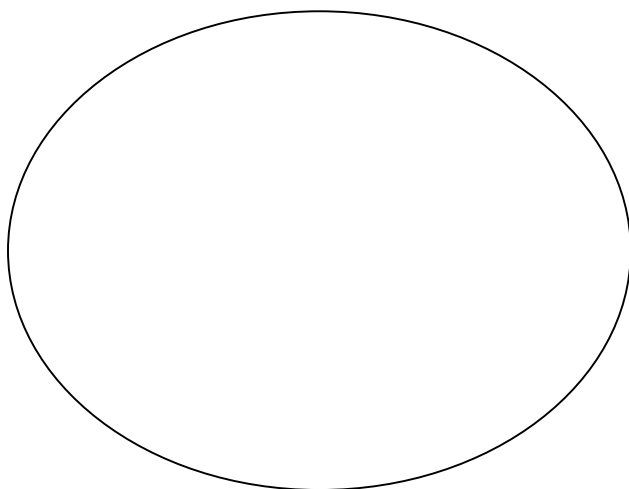
Follow the instructions on each test kit. Record your results and conclusions here.

Test	Result	Conclusions: This water is (circle one for each test)
pH		Acidic Neutral Basic
D.O.		Oxic Fair Anoxic
Nitrogen		Depleted Adequate Excess (Nitrogen)
Phosphorous		Depleted Adequate Excess (Phosphorous)

Plankton Station:

Use the plankton net to gather water into a dish. Use a magnifying glass or microscope to look for plankton. Use the field guide to determine what species you have found.

Draw what you see here:



What Species have you found? _____

Are these species indicators of healthy or unhealthy water? _____

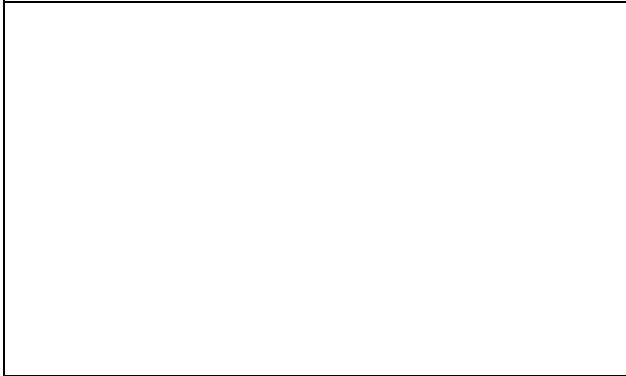
Wildlife Station:

Use the *Binoculars* to search for wildlife. Use the *field guide* to identify what you have found. List and draw ONE ANIMAL SPECIES and ONE PLANT SPECIES you have found here.

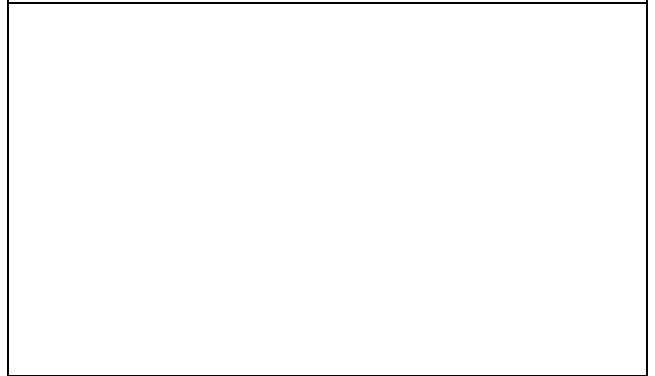
(1) Animal Species: _____

(2) Plant Species: _____

Animal Species Drawing



Plant Species Drawing



Did you observe more or less wildlife than you expected to see here? _____

Weather Observation Station:

Use the thermometer and cloud guide to make observations. Record your results below:

Air Temperature: _____

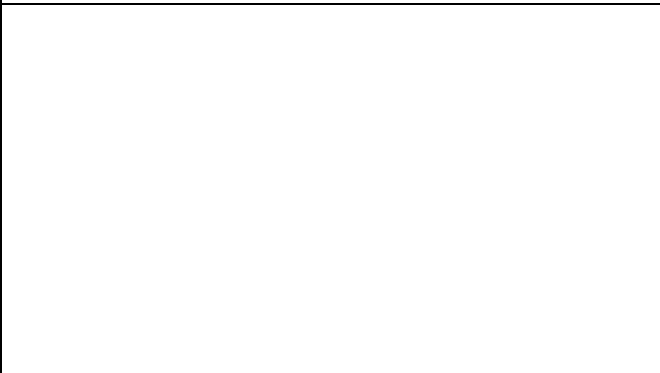
Has it rained within the past 24hrs? _____

Percent of sky covered by clouds _____

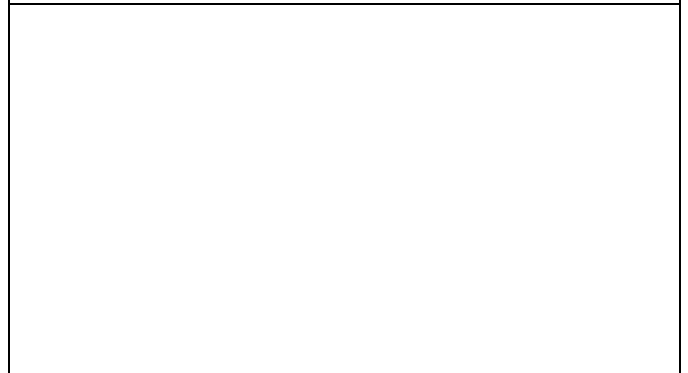
Cloud types observed: _____

Other notes about weather: _____

Cloud Drawing



Cloud Drawing



How do you think weather conditions affect water quality? _____

FINAL CONCLUSION:

Reviewing your results from all 5 stations, would you say that this waterbody is healthy? Why/Why not?
