

Lesson #7 Example Data Sheet

Date: _____

Group members: _____

I. Abiotic Factors

Time of day (use 24-hour clock):	
Cloud cover (describe):	
Precipitation (describe and measure with units):	mm rain, or cm snow
% Humidity (measure or check local weather info):	%
Topography (describe):	
Elevation (measure or refer to local data; include units):	m
Latitude & longitude (use GPS or other reference data):	°N, °W
Air Temperature (include units):	°C
Wind Speed (include units):	km/hr
Visibility (describe):	
Soil Temperature (include units):	°C
Soil pH:	
Water Temperature (include units):	°C

Water pH:	
Water Flow Rate (include units):	m/s
Visibility/ Turbidity of Water (describe and/or measure):	
Dissolved oxygen in Water (measure & include units):	mg/L
Additional Water Quality Indicators: (mg/L) Nitrates Phosphorous Magnesium Hardness (measure & include units)	
Other:	

II. Biotic Factors

	Name or Description	Tally
Birds:		
Insects in the air:		
Mammals:		
Land insects/spiders/ worms, etc:		
Mammals:		
Trees:		
Shrubs:		

Grasses:		
Herbaceous (flowering)plants:		
Moss/lichen:		
Fish:		
Water Insects:		
Single celled water organisms (microscope):		
Other:		

NOTE: Electronic probes are available for testing water quality indicators such as those from Vernier (<https://www.vernier.com/products/books/wqv/>). The website also provides background information on each of the water quality indicators explaining why each factor is important.