

# Pond Water Quality Data Sheet with Animal Indicators



Group \_\_\_\_\_

Pond location \_\_\_\_\_

Date \_\_\_\_\_

Weather: sunny | partly cloudy | mostly cloudy | rainy

Air Temp. \_\_\_\_\_

Water Temp. \_\_\_\_\_

Pond Animal	Number Found (Tally)	Total	Tolerance	Notes
<b>Insect Orders</b>				
<b>Odonata</b>				
Dragonfly nymph			Moderate	
Damselfly nymph			Moderate	
<b>Hemiptera (true bugs)</b>				
<b>Suborder Heteroptera</b>				
Backswimmer				
Water strider				
Water boatman				
Giant water bug				
Ferocious water bug				
Water scorpion (thin)				
Water scorpion (fat)				
<b>Coleoptera (beetles)</b>				
Predacious diving beetle			Moderate	
Crawling water beetle (spots)				
Burrowing water beetle				
Water scavenger beetle			Moderate	
<b>Diptera (Flies)</b>				
Mosquito larva			Most	
Midge larva			Most	
<b>Trichoptera</b>				
Caddisfly larva			Least	
<b>Ephemeroptera</b>				
Mayfly nymph			Least	



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<b>Crustaceans</b>				
Crawfish (crayfish)			Moderate	
Glass/grass shrimp			Moderate	
Scud			Moderate	
<b>Mollusks</b>				
Lung snail (left)			Most	
Gills snail (right)			Least	
Mussels			Moderate	
<b>Worms</b>				
Leeches			Most	
Segmented worms			Most	
<b>Fish</b>				
Mosquito fish			Most	
Young largemouth bass			Moderate	
Killifish				
Sunfish			Moderate	
<b>Amphibian</b>				
Frog				
Tadpole			Least	
Other:				
<b>Reptiles</b>				
Red-eared slider (turtle)				
Mud turtle				
Cooter (turtle)				
Broad-banded water snake				
Yellow-bellied water snake				
Green water snake				
Blotched water snake				
Other snake:				
Alligator				
<b>Other</b>				



## Pond Water Quality Data Sheet with Animal Indicators



How many kinds of organisms were least tolerant to pollution? \_\_\_\_\_

Total # of organisms \_\_\_\_\_

How many kinds of organisms were moderately tolerant to pollution? \_\_\_\_\_

Total # of organisms \_\_\_\_\_

How many kinds of organisms were most tolerant to pollution? \_\_\_\_\_

Total # of organisms \_\_\_\_\_

How many kinds of organisms were found in this pond? \_\_\_\_\_

Using the above information, is this pond healthy? Support answer with data collected.



# Pond Water Quality Data Sheet with Animal Indicators



## Physical and Chemical Water Quality Parameters

Pond location \_\_\_\_\_ Date \_\_\_\_\_

Color of the water \_\_\_\_\_

What does the water smell like? \_\_\_\_\_

**Weather:** sunny | partly cloudy | mostly cloudy | rainy

Air Temp. \_\_\_\_\_ Water Temp. \_\_\_\_\_

D.O. \_\_\_\_\_ Nitrates \_\_\_\_\_ pH \_\_\_\_\_

Phosphates \_\_\_\_\_ Turbidity \_\_\_\_\_

How can this data be used to infer the diversity of organisms and health of this pond?

