

Site Data

School Information

School Name

Grade Level

Teacher

School Address

School Email

Stream Site Information

Stream Name

Major Watershed
(Root, Zumbro, Cedar, etc.)

Sub basin
(North Fork, North Branch, etc.)

Site location
(Closest Town or Major Landmark)

Latitude Degrees Minutes North South

Longitude Degrees Minutes East West

Elevation Meters

Source of Elevation GPS Maps Google Earth

Field Data Sheet 1

Date

Air Temperature

Water Temperature

Time

Did any storms occur during this period ?

Storm Date

Amount of Precipitation

Did Flooding Occur?

Storm Date	Amount of Precipitation	Did Flooding Occur?
<input type="text"/>	<input type="text"/>	<input type="text"/>

Did any other significant events occur during this time period ?
(drought, etc.?)

<input type="text"/>

Habitat Data Sheet

Explore 30 meters of the stream, Starting at the drop off point and looking upstream. Right and Left bank designation is determined by looking upstream. Check the category that best describes the stream. Check the glossary for unfamiliar vocabulary

In- Stream Characteristics

1. Stream Habitats Present

(More than one box can be checked)

<input type="checkbox"/> pools	<input type="checkbox"/> riffles	<input type="checkbox"/> runs
<input type="checkbox"/> logs	<input type="checkbox"/> woody debris	<input type="checkbox"/> fine sediment
<input type="checkbox"/> wetlands	<input type="checkbox"/> leaves	<input type="checkbox"/> aquatic vegetation

2. Water appearance

<input type="checkbox"/> clear	<input type="checkbox"/> turbid	<input type="checkbox"/> foamy
<input type="checkbox"/> oily sheen	<input type="text"/> color (describe)	

3. Human Modification of the stream channel

<input type="checkbox"/> none	<input type="checkbox"/> Bridge	<input type="checkbox"/> Dam
<input type="checkbox"/> Cement	<input type="checkbox"/> Boulders	<input type="checkbox"/> Entering pipe or ditch
<input type="checkbox"/> Active Discharge Pipe	<input type="text"/> Other (Describe)	

Stream Bank Characteristics

4. Evidence of active erosion (bare soil exposed)

Left Bank	Right Bank
<input type="checkbox"/> <20%	<input type="checkbox"/> <20%
<input type="checkbox"/> 20% to 50%	<input type="checkbox"/> 20% to 50%
<input type="checkbox"/> > 50%	<input type="checkbox"/> > 50%

5. Percent Stream Bank Vegetation

Left Bank		Right Bank	
<input type="text"/>	<20%	<input type="text"/>	<20%
<input type="text"/>	20% to 50%	<input type="text"/>	20% to 50%
<input type="text"/>	> 50%	<input type="text"/>	> 50%

6. Stream bottom composition

<input type="text"/> cobbles (2.5-10" or 6.4-25.6 cm diam.)	<input type="text"/> boulders (>10" or >25.6 cm diam.)	<input type="text"/> sediment
<input type="text"/> gravel (0.08-2.5" or 0.02-6.4 cm diam.)	<input type="text"/> bedrock	<input type="text"/> Other

Vegetation Along Bank

Explore 30 meters of the stream upstream and 30 meters adjacent to your drop off point

7	Left Bank	Right Bank
	<input type="text"/> None	<input type="text"/> None
	<input type="text"/> Grass	<input type="text"/> Grass
	<input type="text"/> Trees	<input type="text"/> Trees
	<input type="text"/> Shrubs	<input type="text"/> Shrubs
	<input type="text"/> Forest (Forest is: >5m tall ; > 40% interlocking canopy; >20m deep)	<input type="text"/> Forest
	<input type="text"/> mostly evergreen	<input type="text"/> mostly evergreen
	<input type="text"/> mostly deciduous	<input type="text"/> mostly deciduous

Land-use Characteristics

Describe the main land-use within 1/4 mile upstream and adjacent to your site.

8. Land-use

agriculture

forest

fields/pasture

active construction

golf course

residential/ commercial

parks and recreation

industrial

sewage treatment plant

mowed lawn

9. Impervious surfaces (Includes roads, parking lots, malls, houses)

< 20%

20% to 50%

> 50%

10. Presence of litter in the stream

none

cans/bottles

paper, small trash

tires, carts, etc.

other

Additional Information About Your Stream

Average Width (meters)




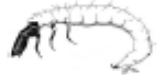







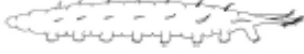


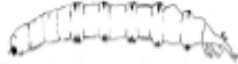

Stream Discharge:

(cubic meters per second)









Team Data Sheet: Macroinvertebrate Data

School Name _____ Date _____

Group _____ Site # _____

TAXON	TALLY	TOTAL
EPHEMEROPTERA (Mayflies) 		
PLECOPTERA (Stoneflies) 		
TRICHOPTERA (Caddisflies)		
 Hydropsychidae (Common Netspinners)		
  Other caddisflies		
ANISOPTERA (Dragonflies) 		
ZYGOPTERA (Damselflies) 		
MEGALOPTERA		
 Corydalidae (Hellgrammites)		
 Sialidae (Alderflies)		
COLEOPTERA (Beetles)  		
DIPTERA (True Flies)		
 Athericidae (Watersnipe flies)		
 Chironomidae (Midges)		
 Simuliidae (Black flies)		
 Tipulidae (Crane flies)		
 Other Diptera		

(turn over)

TAXON		TALLY	TOTAL
AMPHIPODA (Scud)			
ISOPODA (Aquatic sowbugs)			
DECAPODA (Crayfish)			
OLIGOCHAETA (Aquatic Worms)			
HIRUDINEA (Leeches)			
TURBELLARIA (Planarians)			
GASTROPODA (Snails)			
SPHAERIIDAE (Fingernail clams)			

TOTAL:

Project Summary Date Sheet: Macroinvertebrate Data

School _____ Date _____

of Sites _____

Taxon	Site #1	Site #2	Site #3	Site #4	Total	Average
EPHEMEROPTERA (Mayflies)						
PLECOPTERA (Stoneflies)						
TRICHOPTERA (Caddisflies)						
Hydropsychiadae (Cmn Spinners)						
Other Caddisflies						
ANISOPTERA (Dragonflies)						
ZYGOPTERA (Damselflies)						
MEGALOPTERA						
Corydalidae (Hellgrammites)						
Sialidae (Alderflies)						
COLEOPTERA (Beetles)						
DIPTERA (True Flies)						
Athericidae (Watersnipe Flies)						
Chironomidae (Midges)						
Simuliidae (Black Flies)						
Tipulidae (Crane Flies)						
Other Diptera						
AMPHIPODA (Scud)						
ISOPODA (Aquatic Sowbugs)						
DECAPODA (Crayfish)						
OLIGOCHAETA (Aquatic Worm)						
HIRUDINEA (Leeches)						
TURBELLARIA (Planarians)						
GASTROPODA (Snails)						

Macroinvertebrate total						
-------------------------	--	--	--	--	--	--