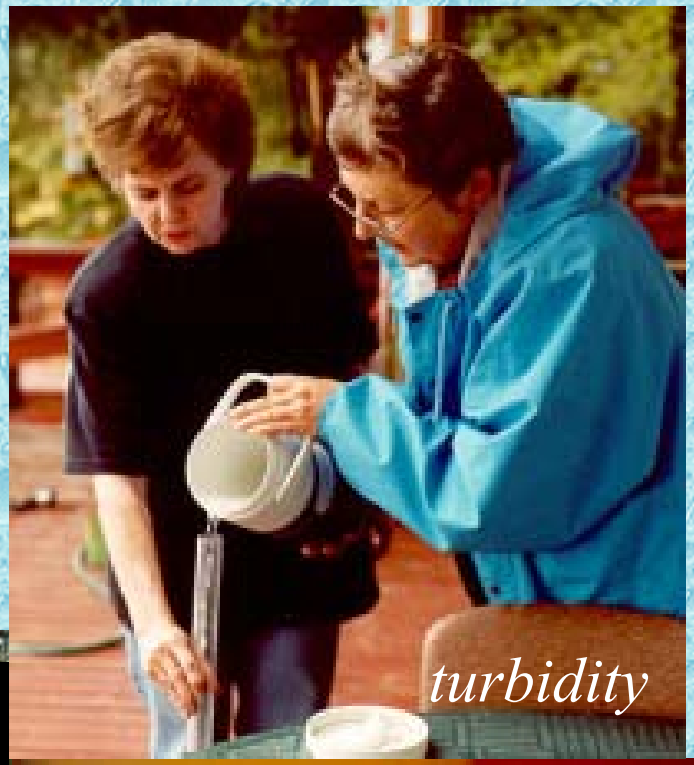
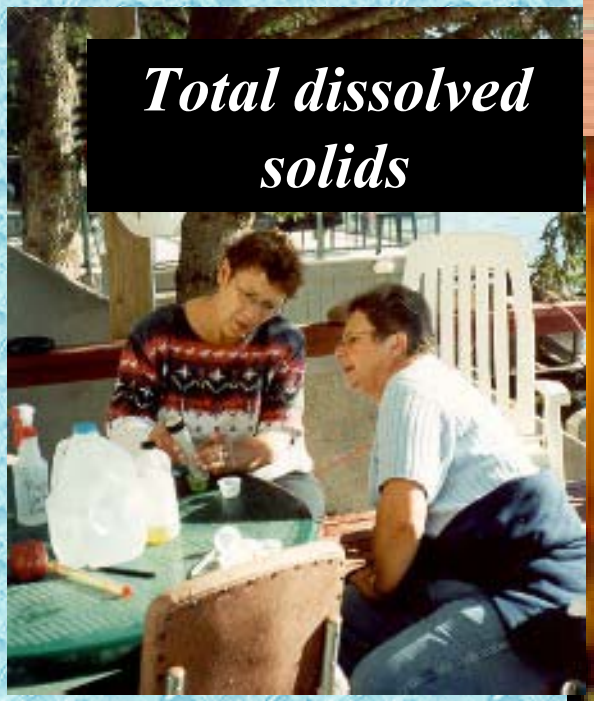
Lac Pelletier

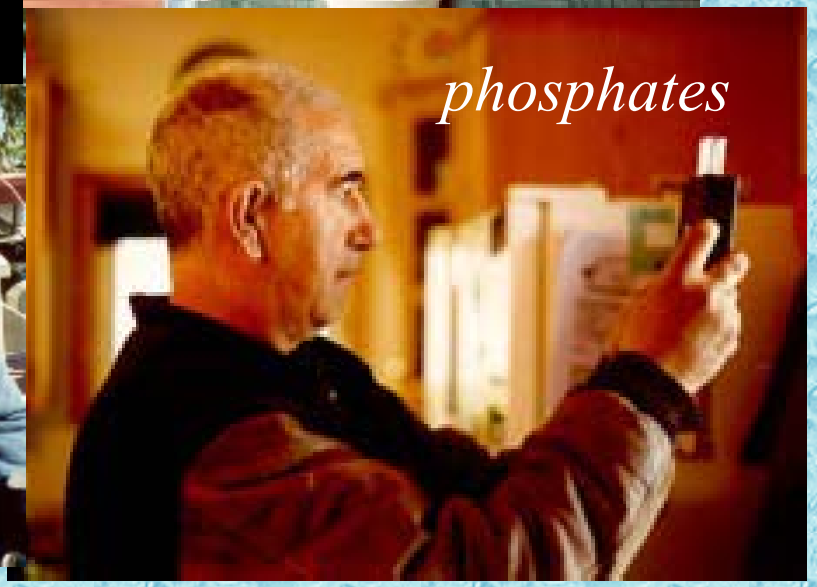

ABOUT THE LAC PELLETIER
VOLUNTEER GROUP:

Lac Pelletier cabin development:

Water Quality Testing:





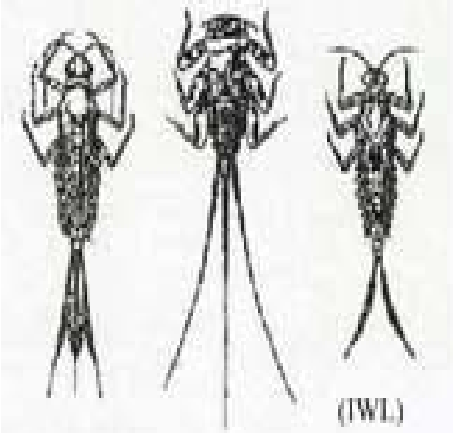


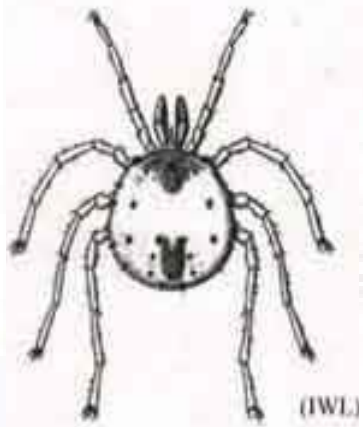
PRAIRIE WATER CARE

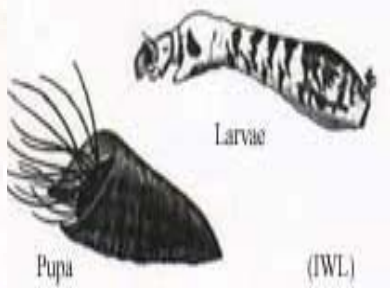
Site Name:			
Date:			
Time/Air Temp/ Observers:			
List of parameters:			
Parameter	Result	Satisfactory Quality	Indicator
Water Temperature		15	HC
pH		5.0 > 9.0	RU
Dissolved Oxygen		4 to 5	AL
TDS		0 > 500	HC
Nitrates		0 > 45	HC
Phosphates		0.2	HC
Turbidity		1 > 5	RU
Fecal Coliforms		< 200	RU
Human Consumption	HC		
Recreational Use	RU		
Aquatic Life	AL		


Dissolved oxygen

Aquatic Invertebrate Sampling "Bugs":

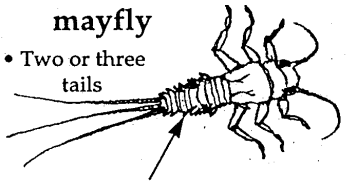
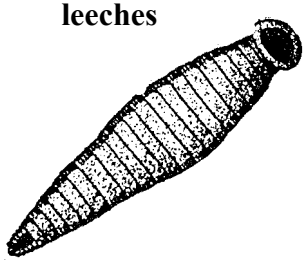
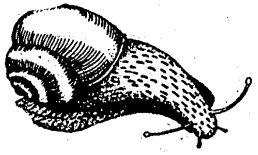
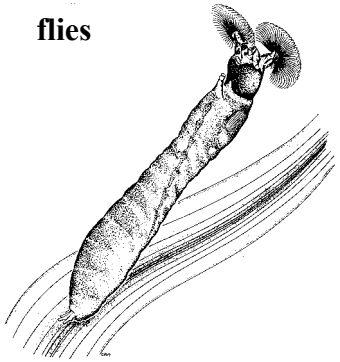




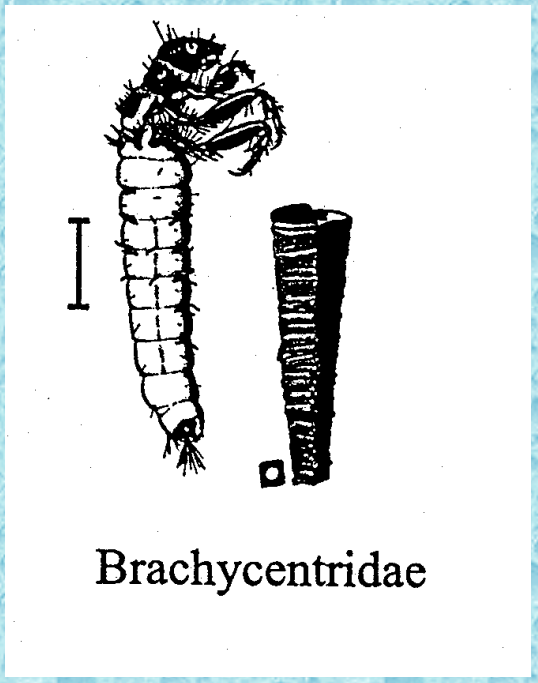


Aquatic Invertebrate Inventory Form

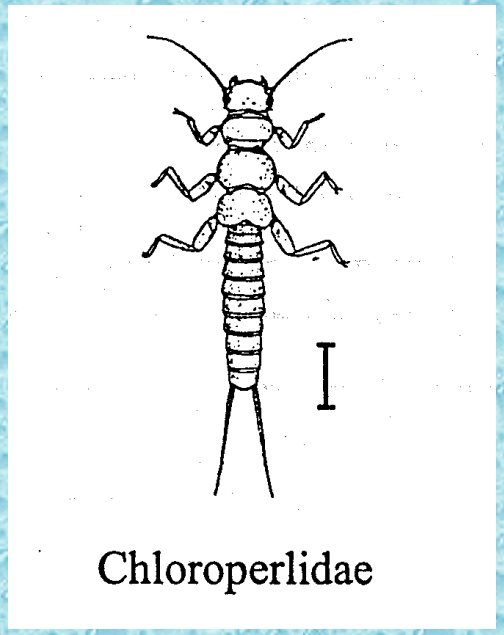
1. Check the appropriate box for each type of 'bug' found,
2. Calculate the total number of points for each column,
3. Add column scores to determine the water quality.

INTOLERANT (3 pts)	MIDTOLERANT (2 pts)	TOLERANT (1 pt)
mayfly • Two or three tails  • Gills on abdomen only • One claw at end of each leg	**scud** • <.5" • Flattened sideways  • Hop when out of water	**leeches** 
stonefly • Gills, if present, on thorax  • Two stout tails • Two claws at end of each leg	**snail**  • Single spiral shell	**flies** 
caddisfly • May be in case or "free living" 	**clam**  • Two piece hinged shell	

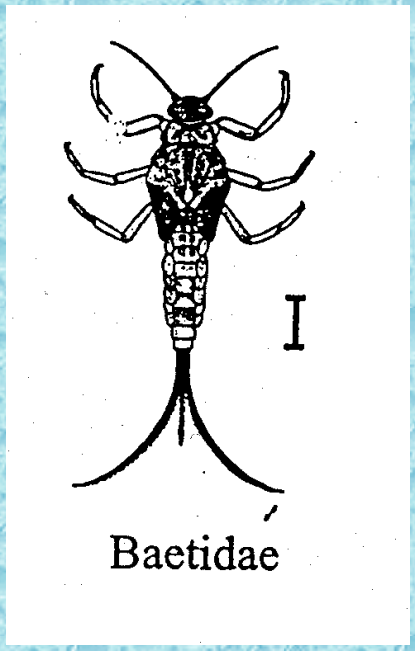
“Bugs” that are <u>intolerant</u> of pollution...



Caddisflies



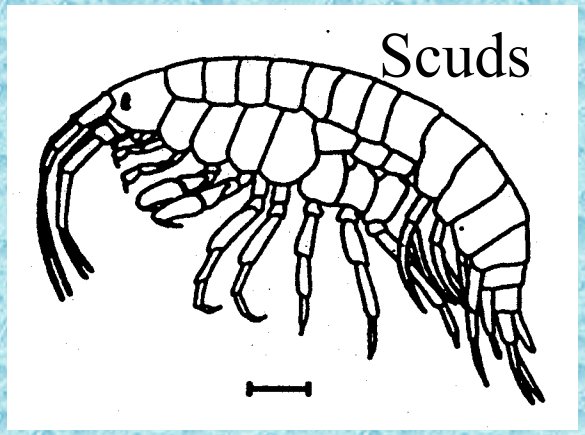
Stoneflies



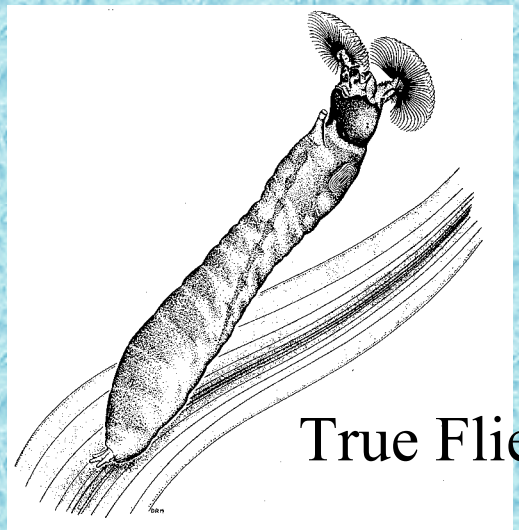
Mayflies

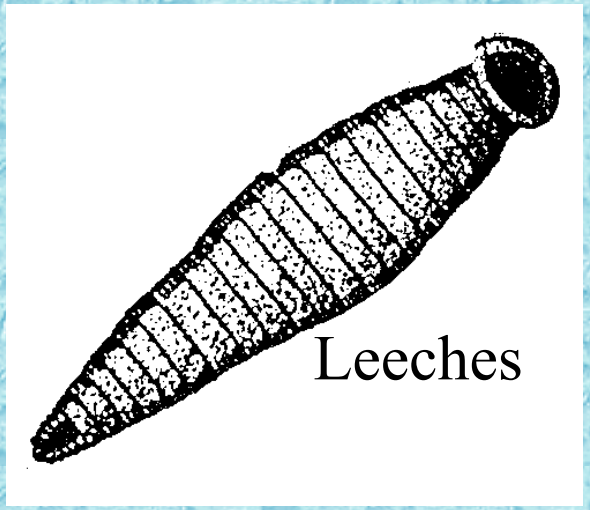
“Bugs” that are...

midtolerant of pollution...



tolerant of pollution...





Taking the “bug” samples...

Identifying “bugs”

Riparian Zone Assessment: