

POLLUTION TOLERANCE INDEX (PTI)

DATE: ____ / ____ / ____

SITE LOCATION: _____ INVESTIGATORS: _____

			A	B	C	D	E
Feeding Group	Scientific Name	Common Name	√ if found	PTI #	Enter PTI # if √	Total # organisms per ft ²	% of total
Scraper	Ephemeroptera	Mayflies		3			
Shredder	Trichoptera	Caddisflies		3			
G. Collector	Plecoptera	Stoneflies		3			
Predator	Atherix	Snipefly Larvae		3			
Predator	Megaloptera	Fishfly Larvae		3			
Predator	Megaloptera	Dobsonfly Larvae		3			
Predator	Tipulidae	Crane flies		2			
Scraper	Amphipoda	Shrimp		2			
Parasite	Hydracarnia	Water Mites		2			
Predator	Turbellaria	Flatworms		2			
Predator	Odonatia	Damselflies		2			
Predator	Odonatia	Dragonflies		2			
Scraper	Gastropoda	Snails		2			
Predator	Sialidae	Alderfly Larvae		2			
Shedder	Lepidoptera	Aquatic Caterpillar		2			
Scraper	Isopoda	Sowbugs		2			
G. Collector	Chironomidae	Midge Larvae		1			
F. Collector	Simuliidae	Blackfly Larvae		1			
F. Collector	Pelecypoda	Clams		1			
Predator	Tabanidae	Horserfly or Deerfly		1			
Scraper	Decapoda	Crayfish		1			
Predator	Gerridae	Waterstriders		1			
Predator	Corixidae	Backswimmers		1			
G. Collector	Oligochaeta	Aquatic Worms		1			
Predator	Hirudinea	Leeches		1			
Pollution Tolerance Index (PTI) =							
(Total of Column C)							

• What is the stream quality for this stream?

PTI Scale	Stream Quality
23 & above	Excellent
17 – 22	Good
11 – 16	Fair
10 or less	Poor

• How do the physical parameters affect the biological parameters? Be specific.