Stream Location and Conditions

Stream Location and Conditions									
(use	a new da	ata sheet	for each	stream	segment	surveyed	l)	Mo	dule 4
Stream Name/Nearest Town			Date	;					
							Wate	ershed co	ode
Organiza	tion Nam	ie					Strea	am Segm	ent#
							Strea	am Section	on#
Contact N	Vame						Phor	ne#	
Survey L	ocation								
Mapsheet				Ty	pe		Scale	e	
Location	(distance	from kr	nown stre						
									-
Time:	W	eather	' clear	S	hower (1	-2.5 cm ir	n 24 hr)	snov	W
			1		4)	24 1	1	
Water tu	rbidity (c	m visibi				2.5 cm in 2 e °C (leav			
, , ator ta	iolally (c	111 115161	,	101	протисит	e e (reav	o unomina	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
				air		water			_
Bankfull	Bankfull Channel width(m) depth(m)								
Wetted Channel width(m) depth(m)									
First and Last Measurements taken .1 m from streambank edge									
Left Bank									Right Bank
Wetted									Wetted
Depth									Depth
Bankfull									Bankfull
Depth									Depth

Take measurements every 0.5m in streams less than 5m. wide, every 1m in streams 5 to 15m.

Invertebrate Survey Field Data Sheet

 (use a new data sheet for each stream section surveyed)
 Module 4

 Stream Name
 Date

 Stream Segment #
 Sampling location

 Stream Section #
 # of 30cm x 30cm samples

 COLUMN A
 COLUMN B
 COLUMN C
 COLUMN D

COLUMN A Pollution Tolerance	COLUMN B Number Counted	COLUMN C Number of Taxa	COLUMN D Common Name
			Caddisfly Larva (EPT)
			Dobsonfly (hellgrammite)
CATEGORY 1			Gilled Snail
			Mayfly Nymph (EPT)
(pollution			Riffle Beetle
intolerant)			Stonefly Nymph (EPT)
			Water Penny
Sub-total			
			Alderfly Larva
			Aquatic Beetle
			Aquatic Sowbug
CATEGORY 2			Clam, Mussel
			Cranefly Larva
(somewhat tolerant			Crayfish
of pollution)			Damselfly Larva
			Dragonfly Larva
			Fishfly Larva
			Scud
			Watersnipe Larva
Sub-total			
			Aquatic Worm
			Blackfly Larva
CATEGORY 3			Leech
			Midge Larva (chironomid)
(pollution			Planarian
tolerant)			Pouch and Pond Snails
			True Bug Adult
			Water Mite
Sub-total			

Invertebrate Survey Interpretation Sheet

invertebrate survey in	-		•	N/L 1 1 4	
(use a new data s	heet for each	stream section s	surveyed)	Module 4	
Stream Name			Date		
Stream Segment #			Sampling lo	ocation	
Stream Section #					
sampler used, mesh size.	, total area sam	pled	# of 30cm x	30cm samples	
A) ABUNDANCE	AND DEN	SITY			
ABUNDANCE: total nu			n B =		
TIDOTADITACE: total in	inioci of organi	sins from Column	- I D		
DENSITY: invertebrate	density per sau	iare meter			
$(total \# counted) \div (\# o)$			$(2m^2)$ –		
(total # counted) \div (# 0	1 30cm x 30c	in samples x.o.	7III) —	i	
÷ () = _				
D) DDEDOMINA	NIT TAVO	J			
B) PREDOMINA	NI IAAO	•			
C) III A PED OIL A					
C) WATER QUA					
POLLUTION TOLER				xonomic groups found	
in each tolerance categor	ry, from Field L	Oata Sheet (Colun	ın D)		
			2 v (# of ootoo	-o 1)	
POLLUTION T	1		3 x (# of categ	•	
Good Acceptable		Poor	+ 2 x (# of categ	· • ·	
>22 22-17	16-11	<11	+ (# of categ	gory 3) =	
		<u> </u>			
EPT INDEX: total num	ber of EPT taxa	a from Colum n C	•		
EPT INDEX EPT are stonefly,				• •	
Good Acceptable	Marginal	Poor	caddisfly and m	ayfly =	
>8 5-8	2-5	0-1			
<u> </u>					
EPT TO TOTAL RATIO: total number of EPT organisms from Column B,					
Field Data Sheet divided by the total number of organisms					
	OTAL RATIO				
Good Acceptab	ie į Viaroins	d Poor			

Invertebrate Survey Interpretation Sheet

(use a new data sheet for each stream section surveyed) Module 4

Stream Name	Date
Stream segment # Stream section #	sampling location
sampler used, mesh size, total area sampled	# of 30cm x 30cm samples

D) DIVERSITY ASSESSMENT TOTAL NUMBER OF TAXA: from Column C, F	Field Data Sheet				
PREDOMINANT TAXON RATIO: divide the number of invertebrate in the predominant taxon by the total number of invertebrates counted:					
	÷ = _				
	predominant total				
PREDOMINANT TAXON RATIO					

PREDOMINANT TAXON RATIO				
Good	Acceptable	Marginal	Poor	
0 - 0.40	0.40 - 0.60	0.60 - 0.80	0.80 - 1.0	

E) SITE ASSESSMENT RATING:

Assign a rating between 1 and 4 to each index or ratio, then average the results to produce a general site assessment.

SITE ASSESSMENT RATING					
Good	Acceptable	Marginal	Poor		
4	3	2	1		

General Comments - **Unknown Bugs**

SITE ASSESSMENT RATING			
Index or Ratio	Rating		
Pollution Tolerance Index			
EPT Index			
EPT to Total Ratio			
Predominant Taxon Ratio			
Total			
Average			

see page 13 and 14 of Module 4 for further information