

**Traverse Creek Stewardship (TraCkS) Macroinvertebrate Subsample Numbers 2007**

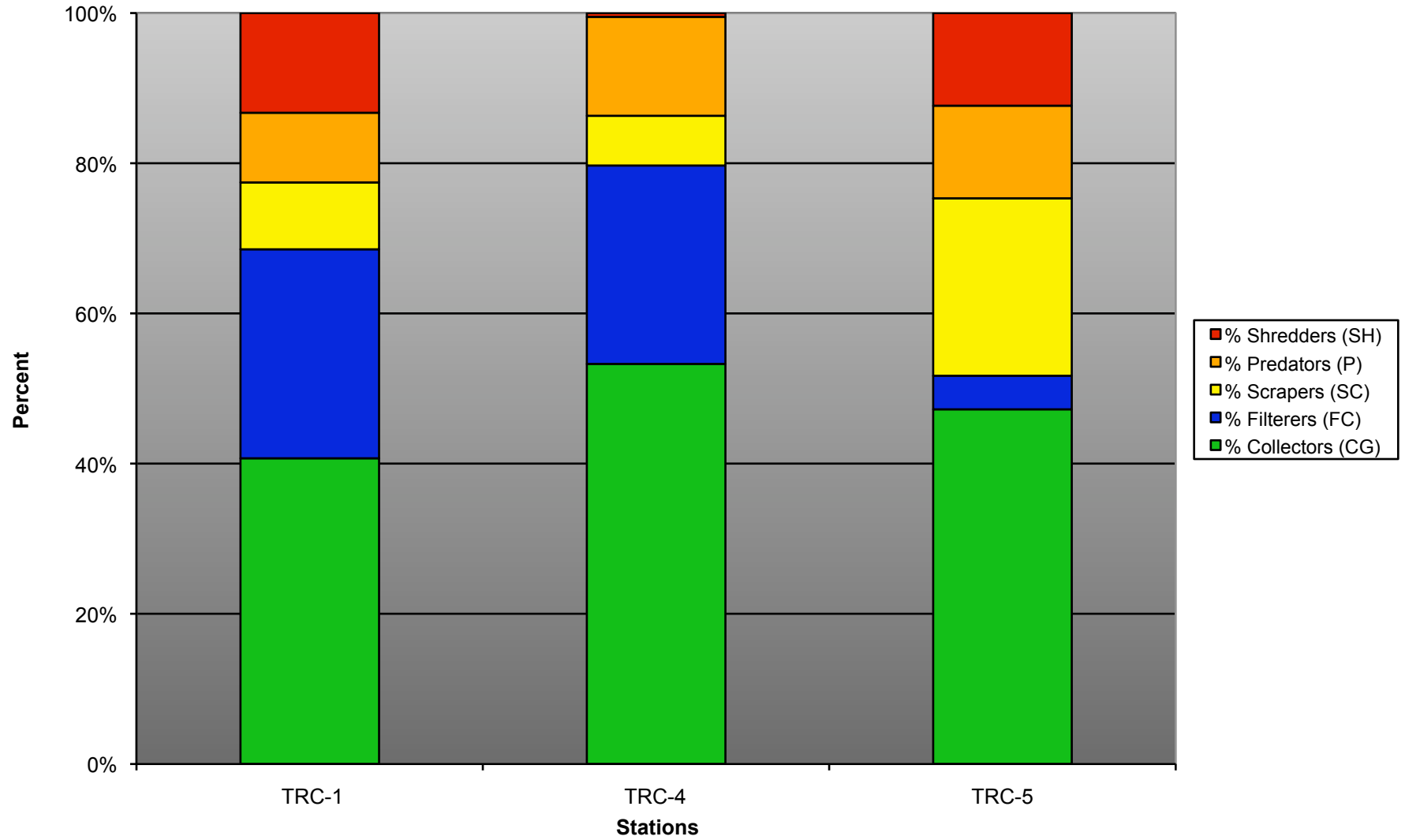
<b>TAXA P.1</b>	<b>TRC - 1</b>	<b>TRC - 4</b>	<b>TRC - 5</b>
<b>Non Insects</b>			
Acari	10	25	8
Gastropoda		5	8
Nematoda	4	1	
Pelecypoda	2		
Oligochaeta	8	2	
Ostracoda			
<b>Insecta</b>			
Ephemeroptera			
Amelitidae			
Baetidae	25	55	61
Ephemerellidae		14	23
Heptageniidae	18	4	54
Leptophlebiidae	29	1	1
Plecoptera			
Chloroperlidae			
Nemouridae	64		31
Perlidae	2	2	25
Perlodidae		1	10
Unidentified			
Trichoptera			
Arctopsychinae	48		
Brachycentridae		2	31
Calamoceratidae			
Glossosomatidae			
Hydropsychidae	8	12	17
Hydroptilidae		25	1
Lepidostomatidae		2	3
Leptoceridae	115	7	1
Philopotamidae			
Polycentropodidae			
Rhyacophillidae	18	4	12
Sericostomatidae	1		
Uenoidae			
Unidentified	1		
Diptera			
Blephariceridae			
Ceratopogonidae	4	1	
Chironomidae	58	101	44
Dixidae	3		3
Empididae	8	1	
Psychodidae	1	2	2
Simuliidae	89	100	20
Tabanidae			1
Tipulidae	5		3
Unidentified		1	
Coleoptera			
Dytiscidae		1	1
Elmidae	2	56	38
Hydraenidae	5		
Psephenidae		4	4

Unidentified			
Odonata			
Coenagrionidae	2	10	
Cordulegastridae	1		
Corduliidae			
Gomphidae	4	11	
Hemiptera			
Unidentified			
Megaloptera			
Corydalidae			
Sialidae			
<b>Total in subsample</b>	<b>535</b>	<b>450</b>	<b>402</b>

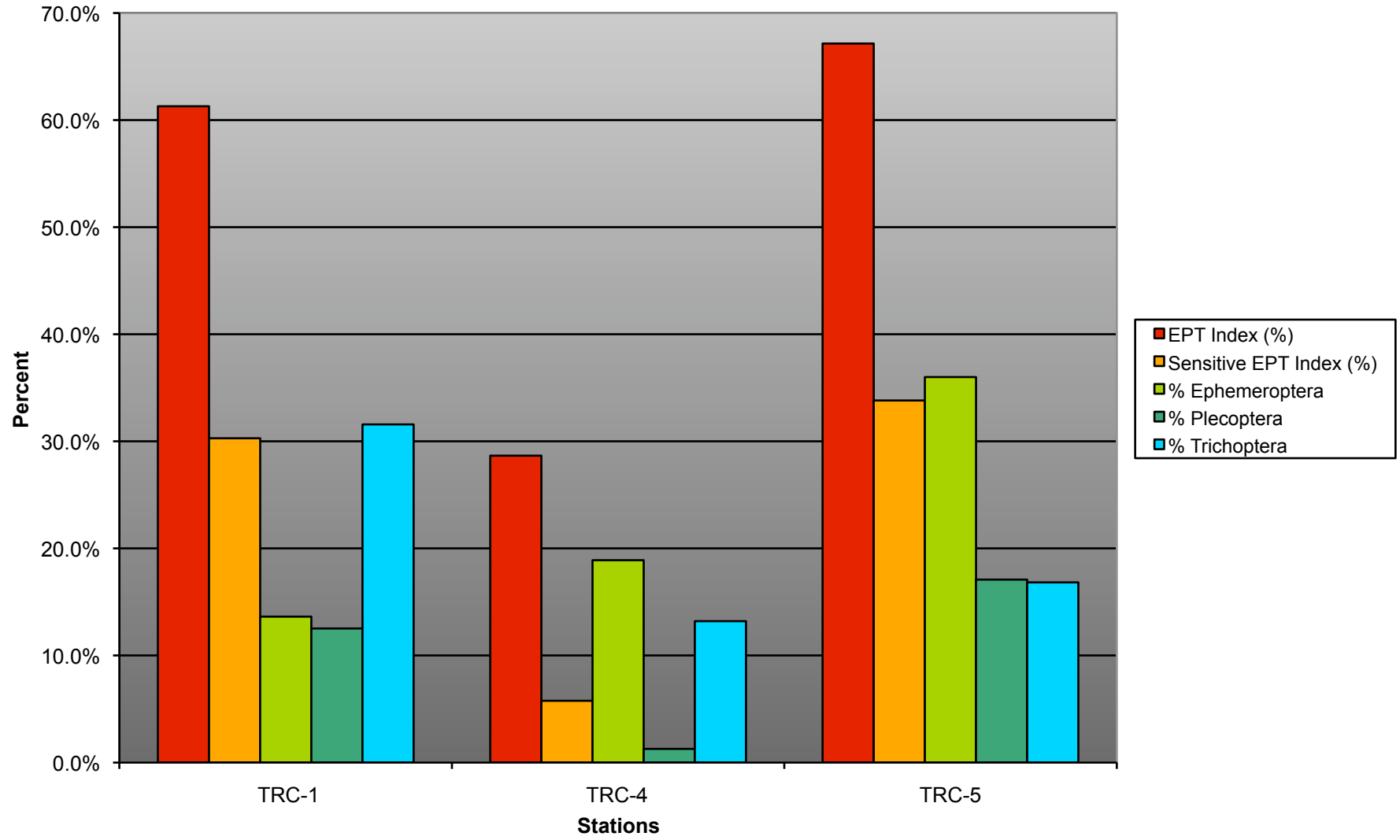
**TRAVERSE CREEK MACROINVERTEBRATES 2007**

<b>STATION</b>	Nature Area TRC-1	Meadowbrook TRC-4	Above Waterfall TRC-5
<b>Richness Measures</b>			
Taxa Richness	26	27	24
Ephemeroptera Taxa	3	4	4
Plecoptera Taxa	2	2	3
EPT Taxa	10	12	12
Trichoptera Taxa	5	6	5
<b>Composition Measures</b>			
EPT Index (%)	61.3%	28.7%	67.2%
Sensitive EPT Index (%)	30.3%	5.8%	33.8%
% Ephemeroptera	13.6%	18.9%	36.0%
% Plecoptera	12.5%	1.3%	17.1%
% Trichoptera	31.6%	13.2%	16.8%
% Hydropsychidae(w/o Arctopsychninae)	1.49%	2.67%	4.23%
% Batidae	4.67%	1.22%	15.17%
<b>Tolerance/Intolerance Measures</b>			
% Tolerant Organisms	2.43	3.12	0.75
% Intolerant Organisms	30.71	5.35	26.87
Tolerance Value	4.04	4.98	3.56
% Dominant Taxa	21.50%	22.44%	15.17%
<b>Functional Feeding Groups</b>			
% Collectors (CG)	40.26%	50.33%	44.78%
% Filterers (FC)	27.53%	24.94%	4.23%
% Scrapers (SC)	8.80%	6.24%	22.39%
% Predators (P)	9.18%	12.47%	11.69%
% Shredders (SH)	13.11%	0.45%	11.69%
<b>Subsample size</b>	535	450	402
<b>Estimated Sample Abundance</b>	1070	675	402

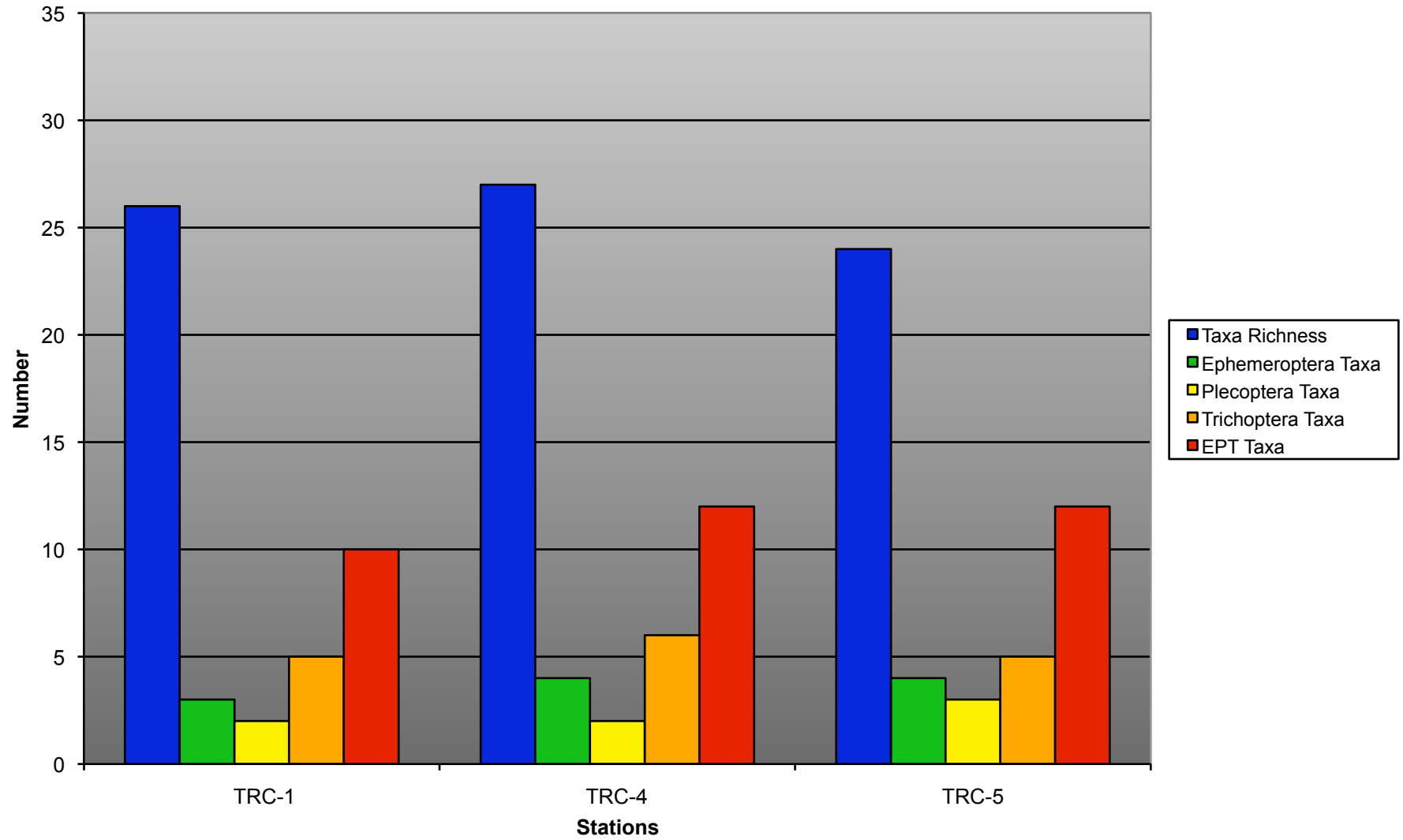
### Traverse Creek Functional Feeding Groups 2007



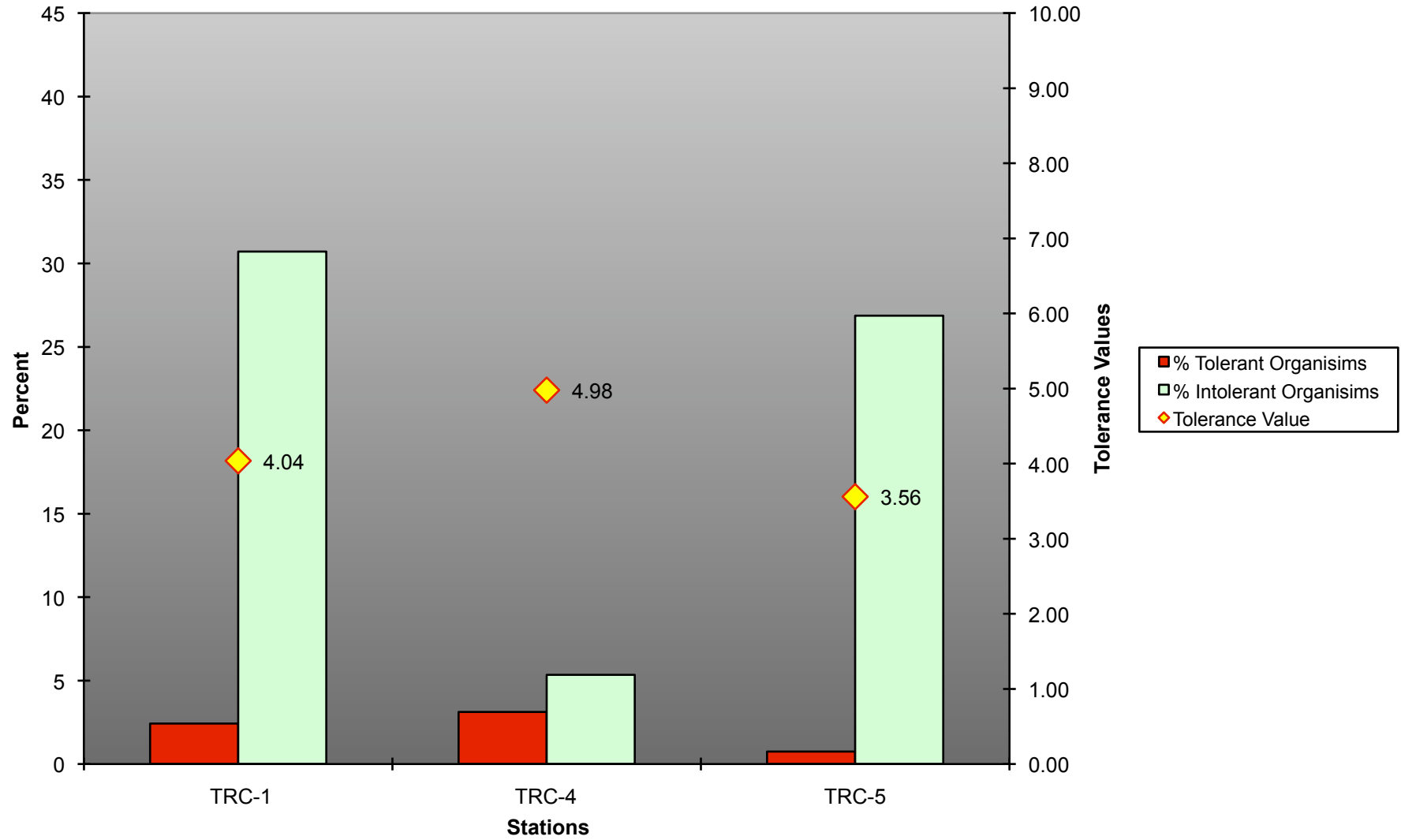
### Traverse Creek Compositions Measures 2007



### Traverse Creek Richness Measures 2007

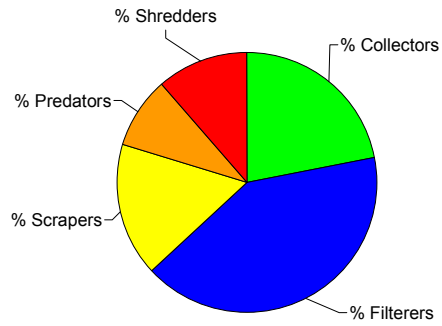


### Traverse Creek Tolerance Measures 2007

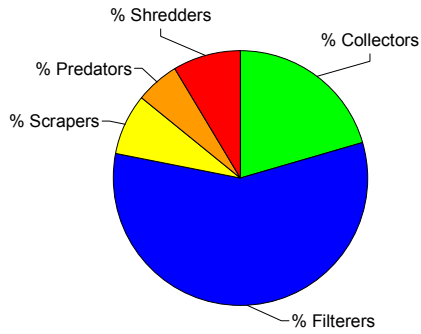


# Traverse Creek Macroinvertebrae Functional Feeding Groups, 2005-2007

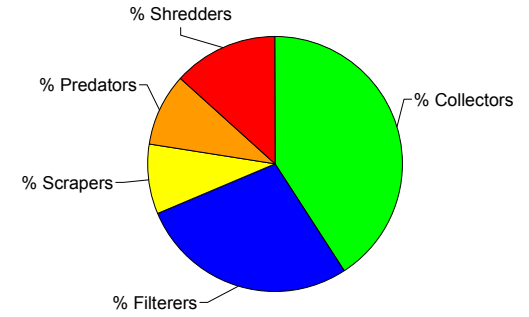
**TRC-1 2005**



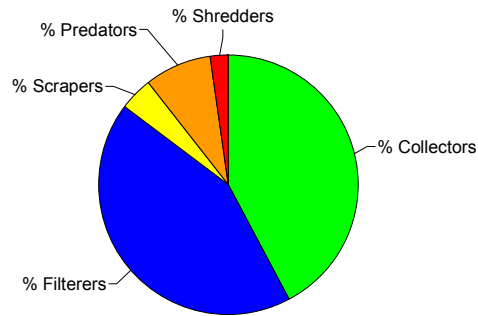
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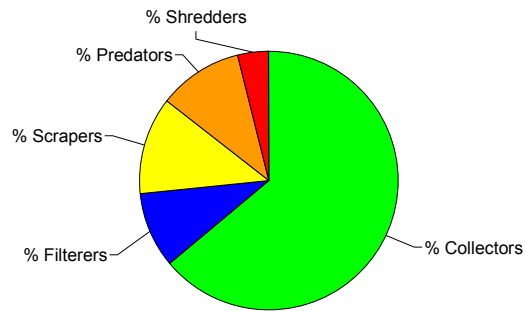
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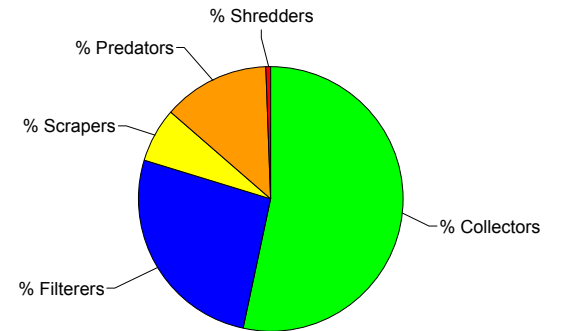
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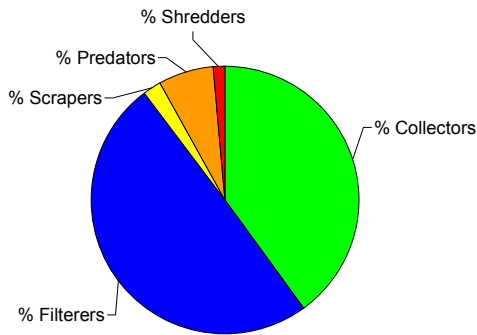
**TRC-4 2006**



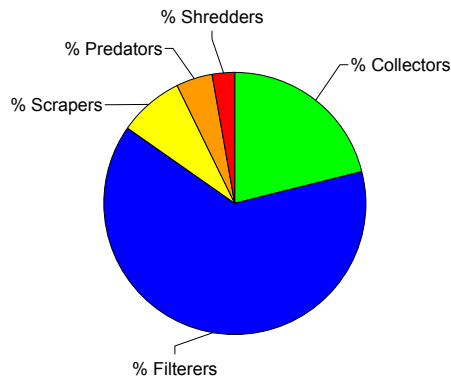
**TRC-4 2007**



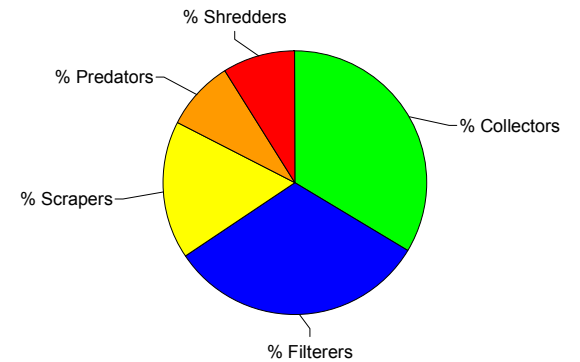
**TRC-5 2005**



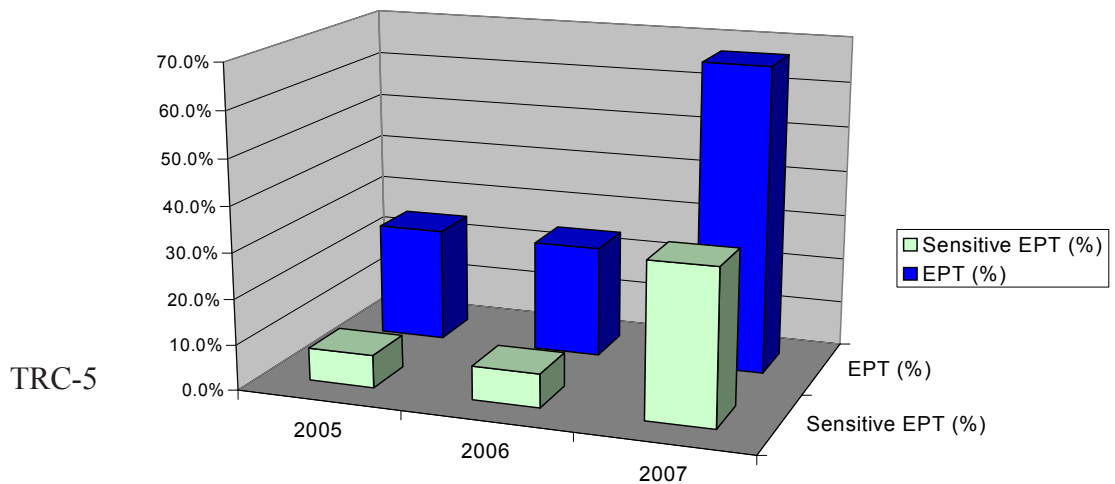
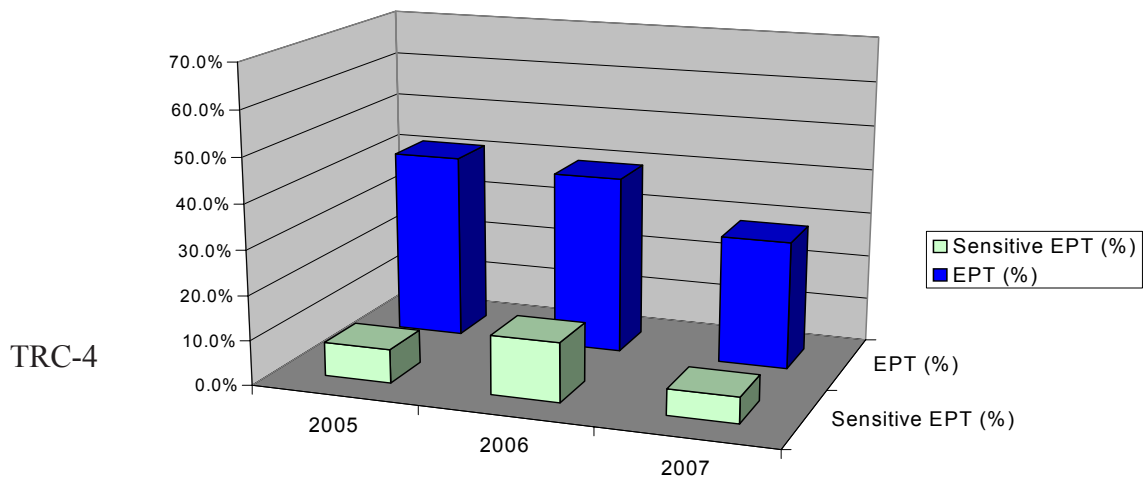
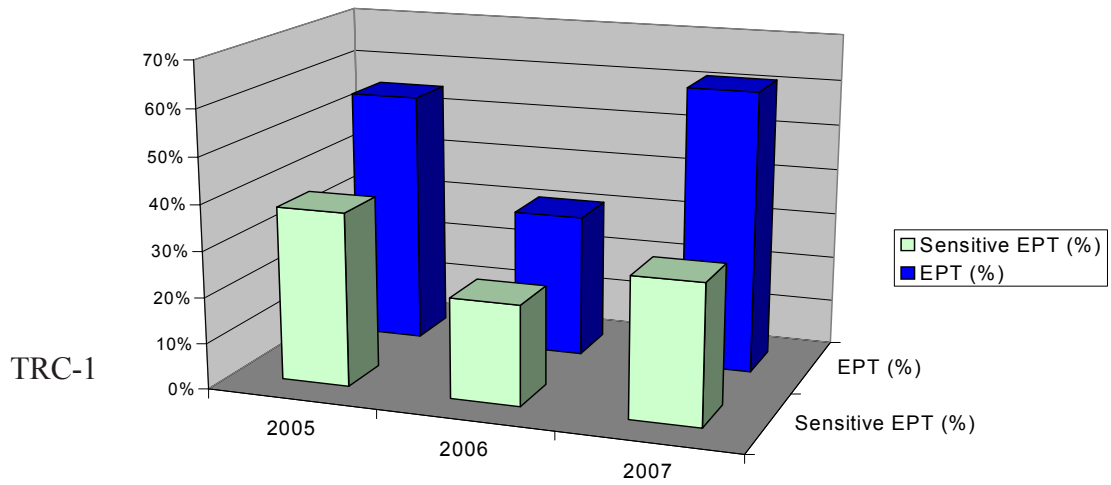
**TRC-5 2006**



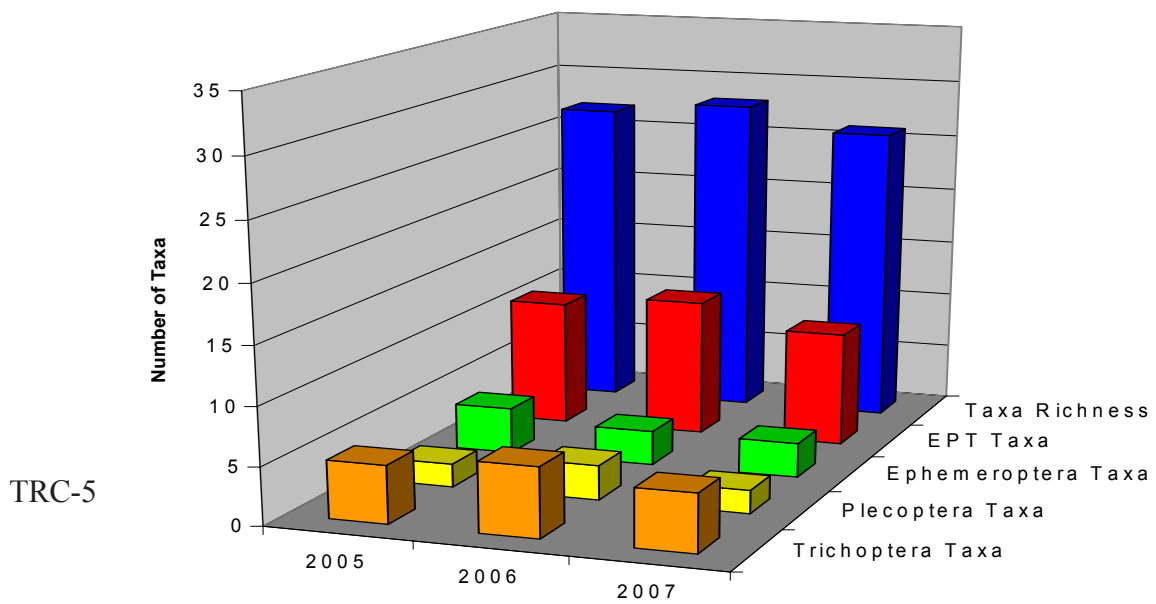
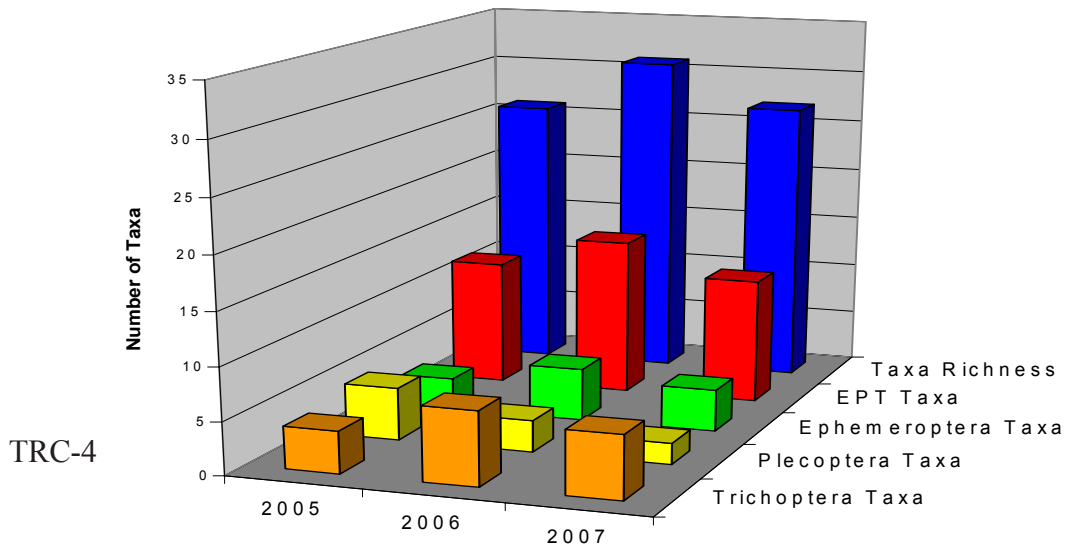
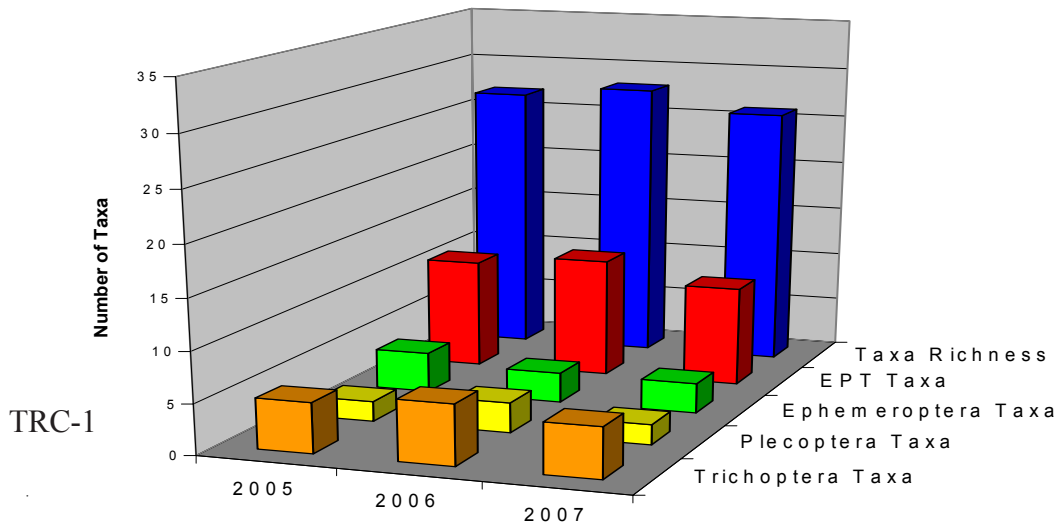
**TRC-5 2007**



# Traverse Creek Macroinvertebrate EPT Index, 2005-2007



# Traverse Creek Macroinvertebrate Richness Measures, 2005-2007



# Traverse Creek Macroinvertebrate Tolerance/Intolerance, 2005-2007

