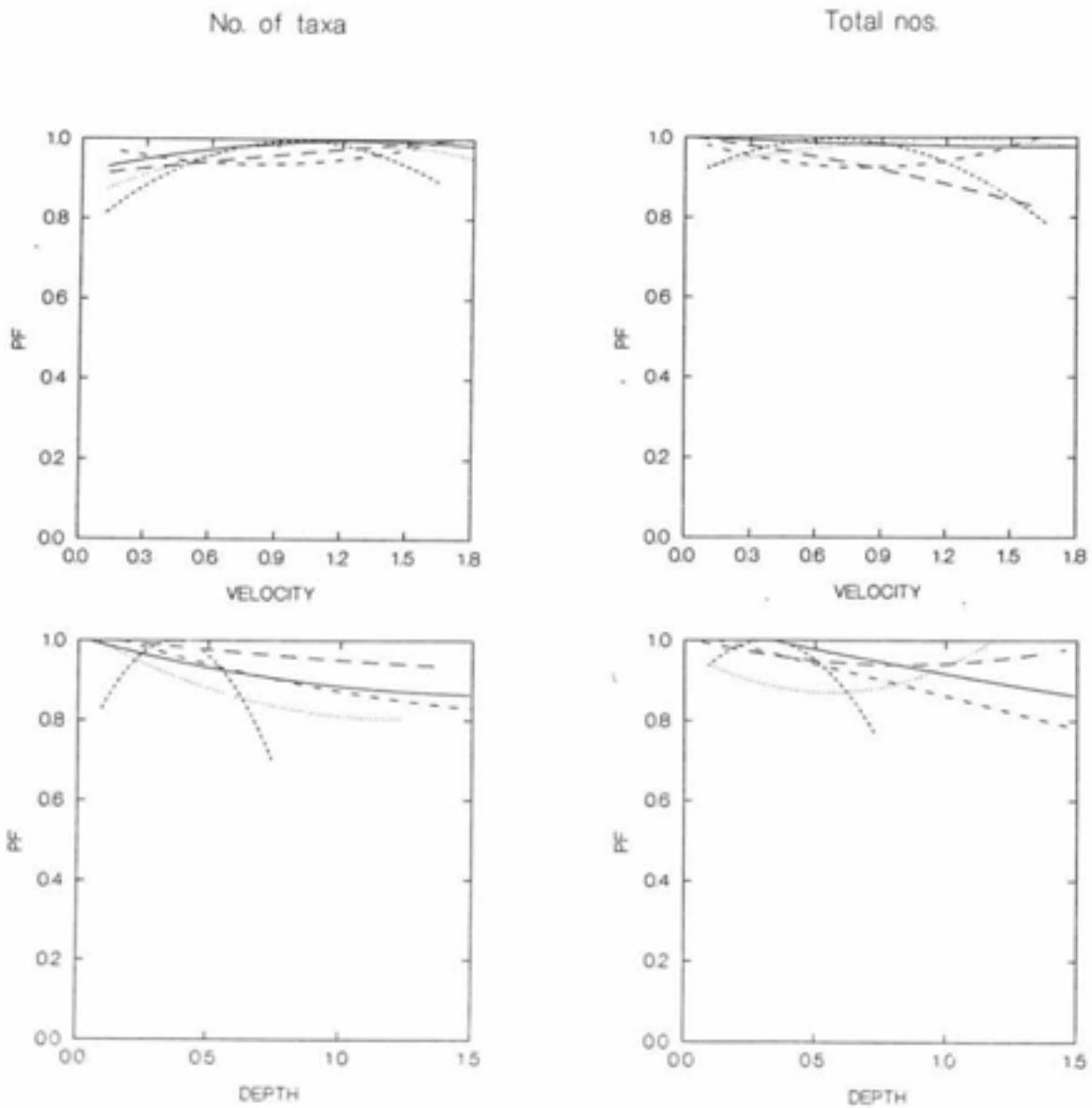


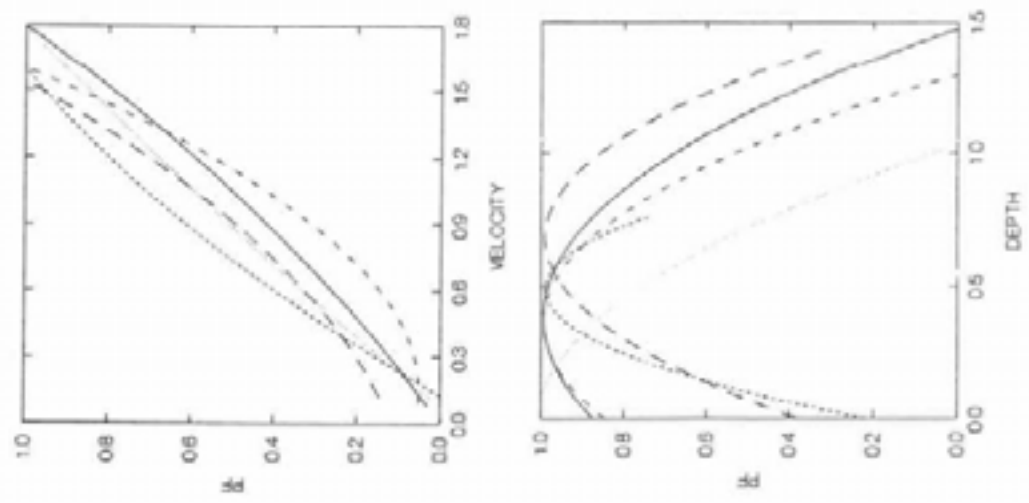
APPENDIX 3B

Exponential polynomial curves plotted through preference factors (PF) (see Section 2.5 for details of calculation) for taxonomic richness (number of taxa), total invertebrate densities, densities of 7 major taxa and chironomid biomass in relation to water velocity ( $m.s^{-1}$ ) and depth (m) at 3 sites on Tongariro River.

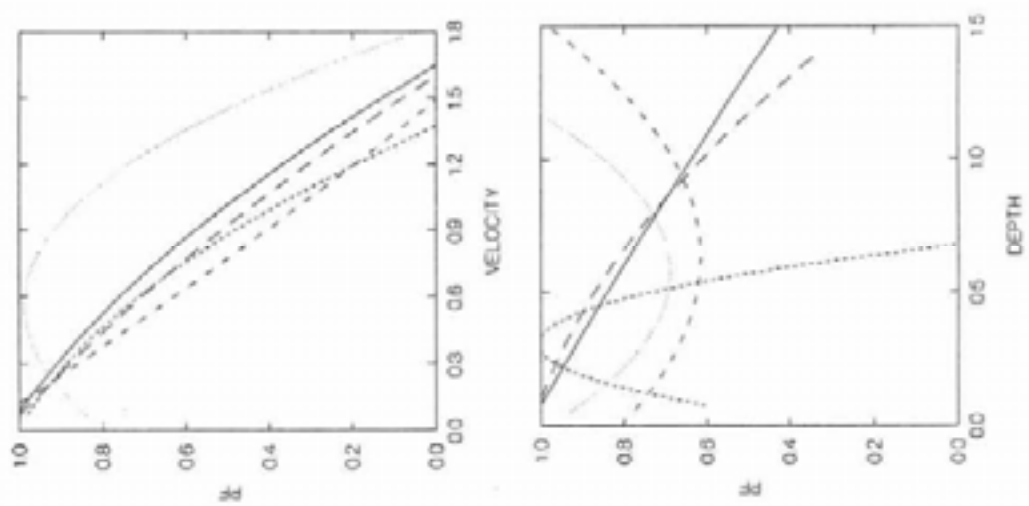
LEGEND: Solid line = All sites combined  
Long dashes = Site TG  
Medium dashes = Site TI  
Short dashes = Site TP  
Dotted line = Site TT



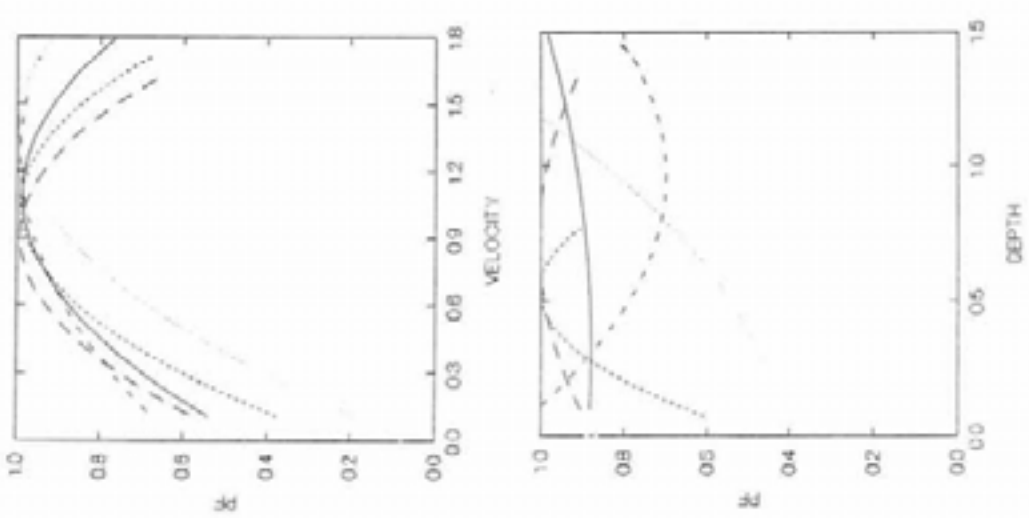
*Aoteapsyche* spp.



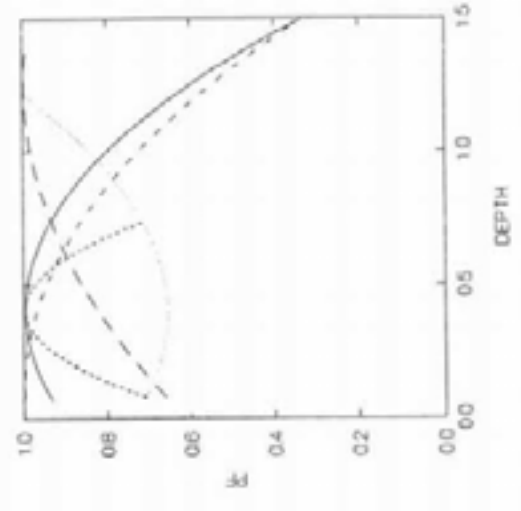
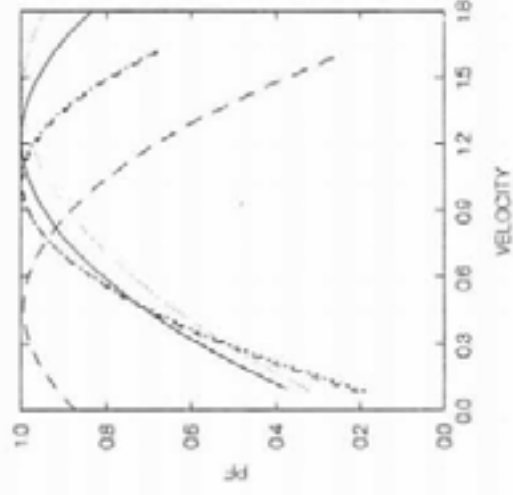
*Z. furcillatus*



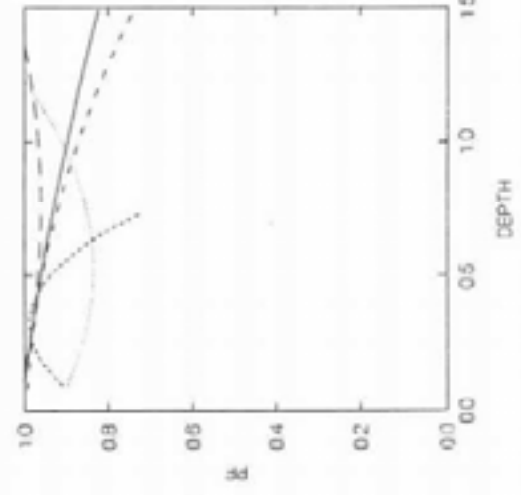
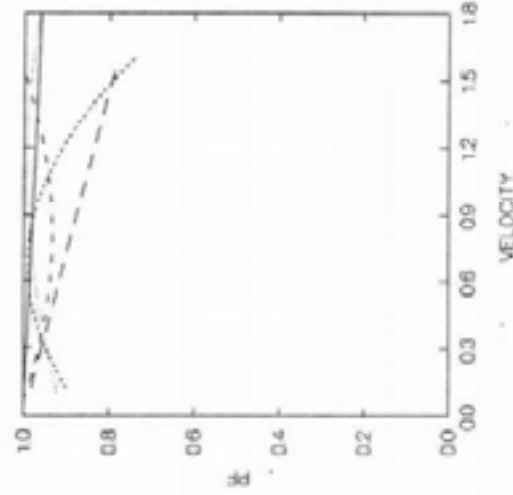
*Deleaticium* spp.



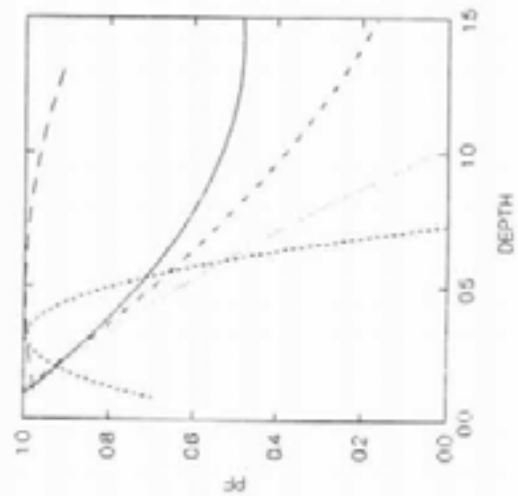
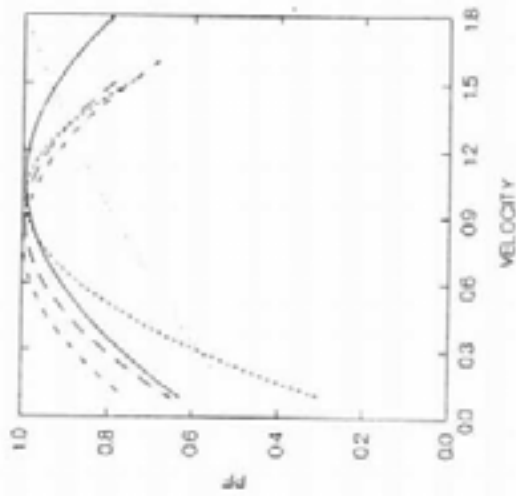
A. neozelandica



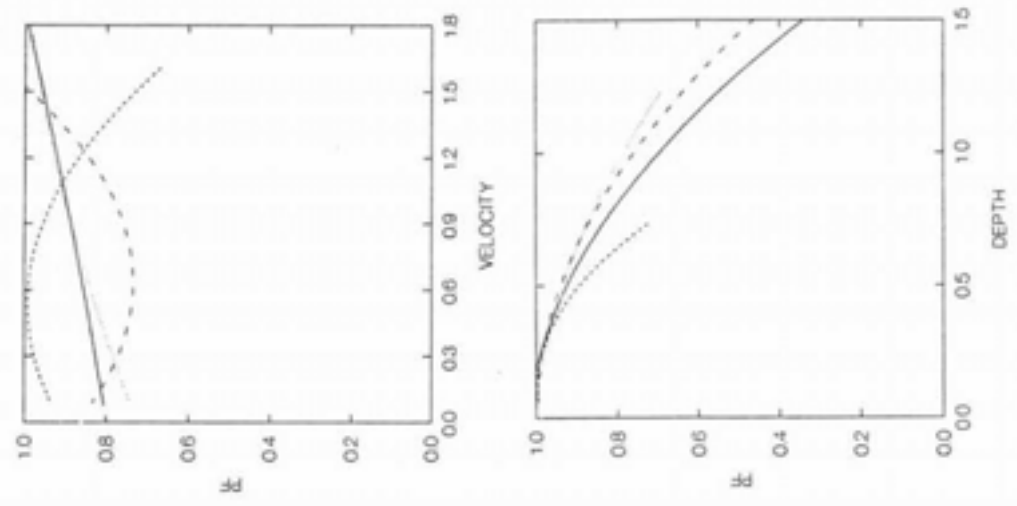
Chironomidae



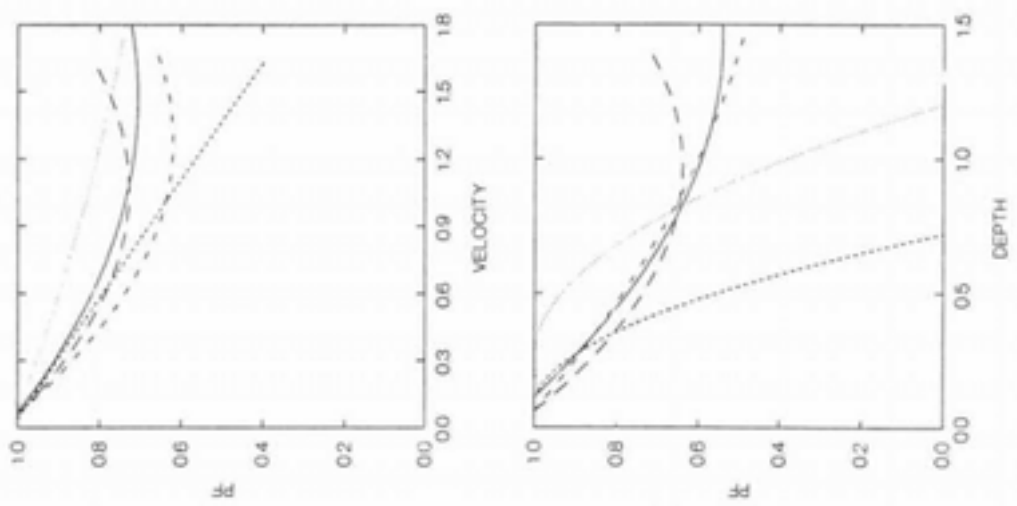
Hydrobiosidae



Chironomidae biomass

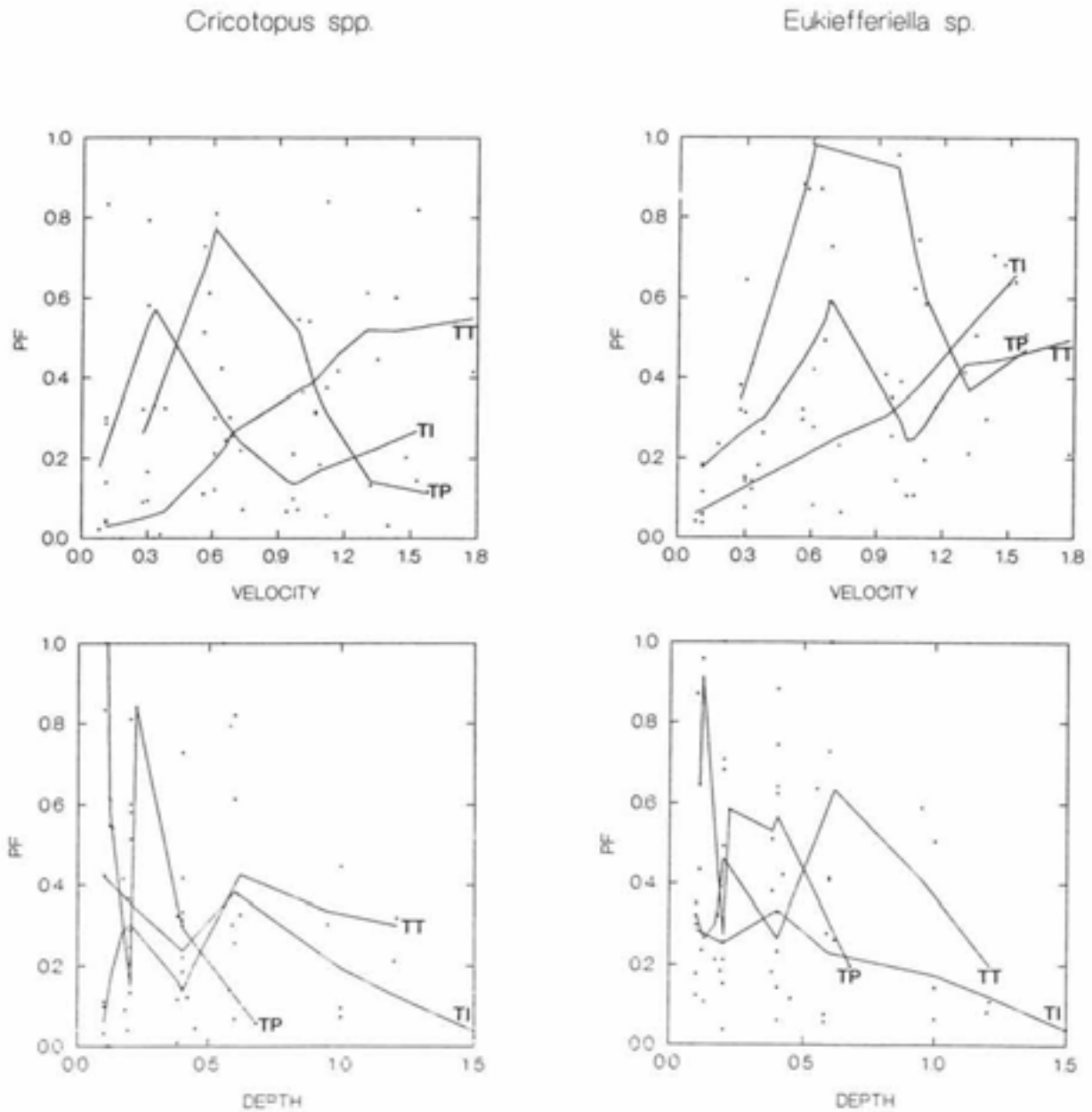


Oligochaeta

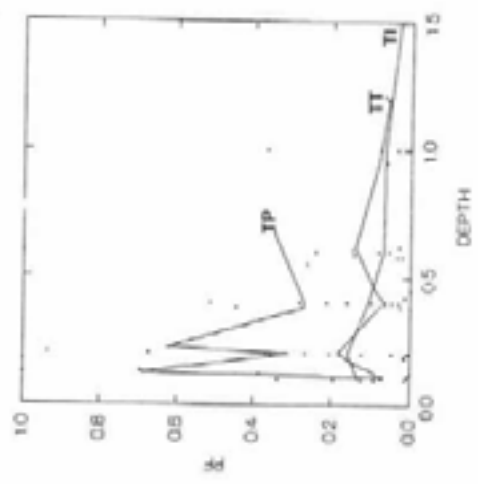
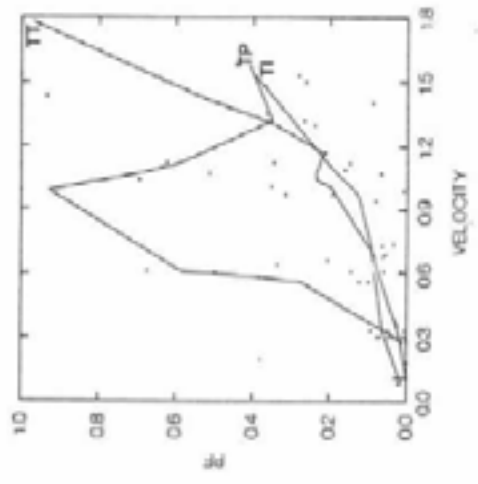


APPENDIX 4A

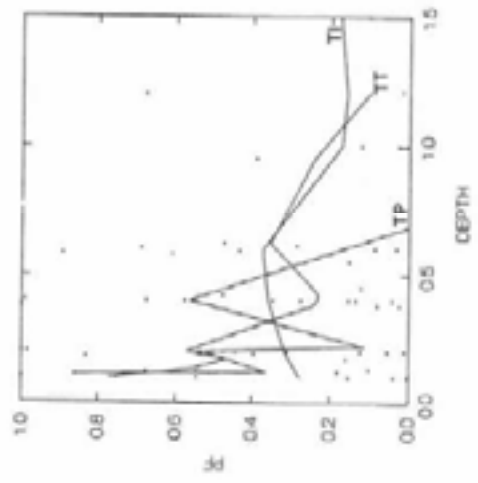
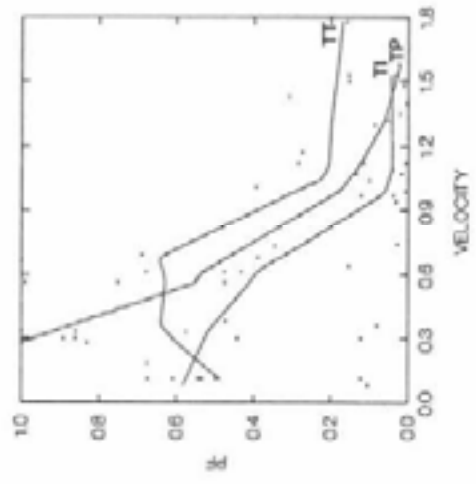
Locally weighted smooth curves plotted through preference factors (PF) (see Section 2.5 for details of calculation) for densities of 5 major chironomid taxa in relation to water velocity ( $m.s^{-1}$ ) and depth (m) at 3 sites on Tongariro River.



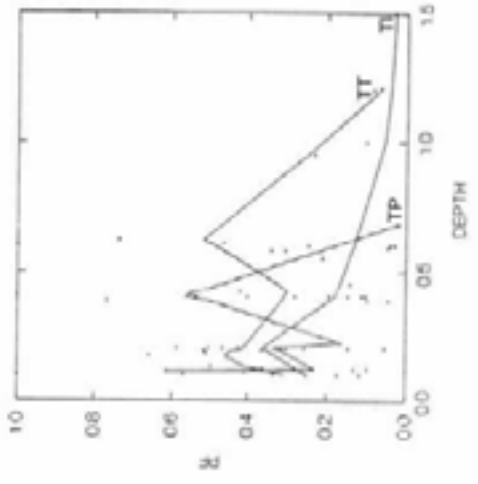
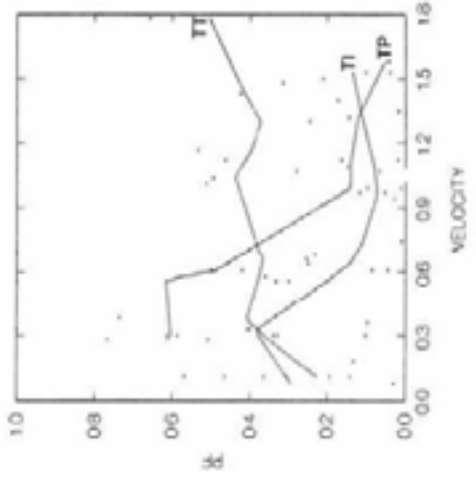
*Macridiamesa* sp.



*Tanytarsus vespertinus*



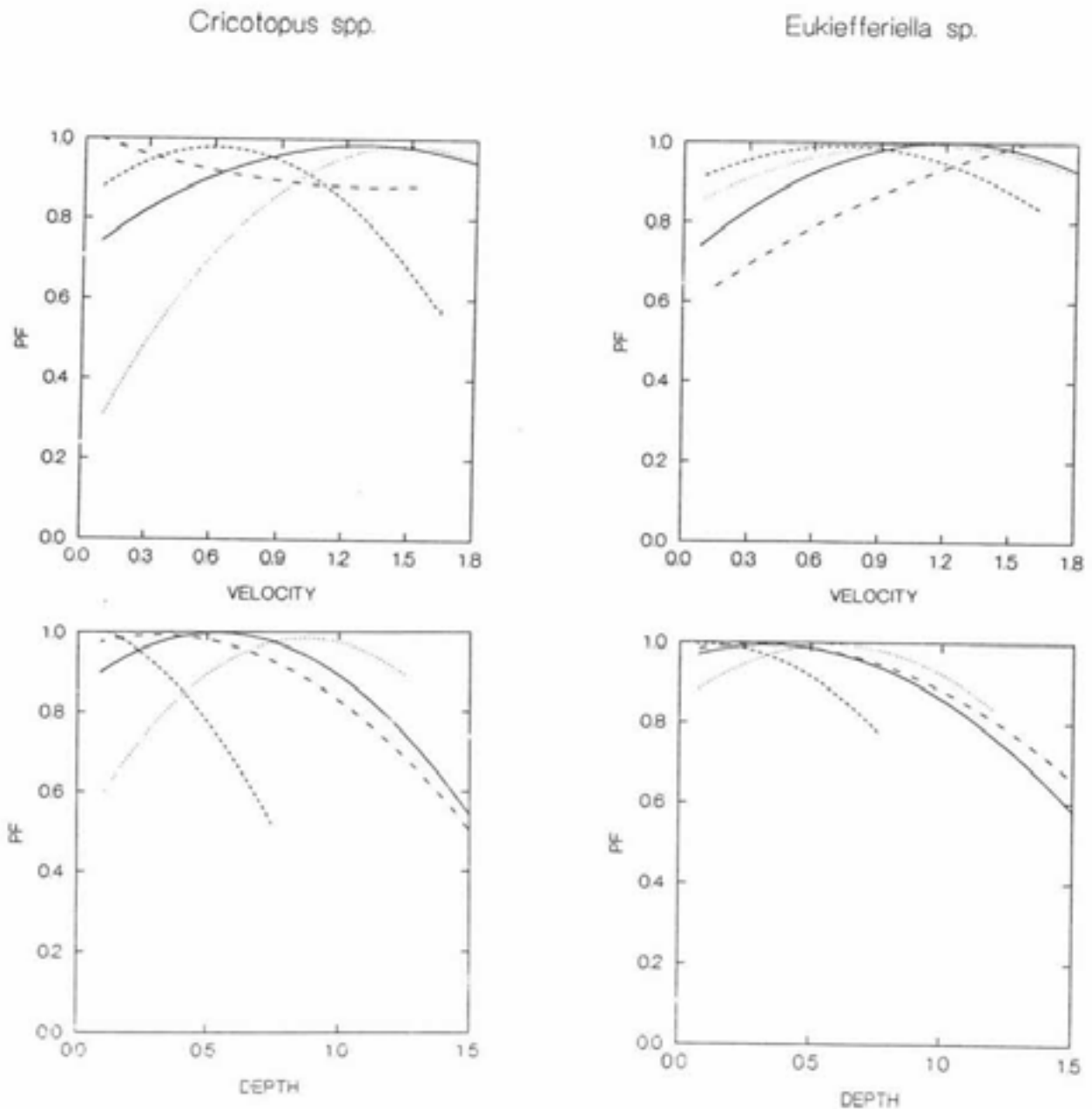
*Orthocleidiinae* sp.a



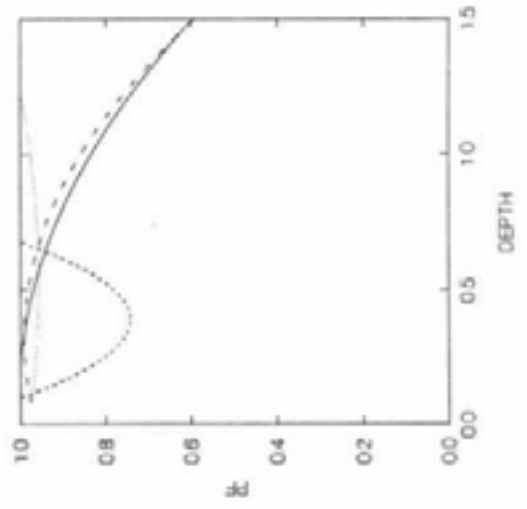
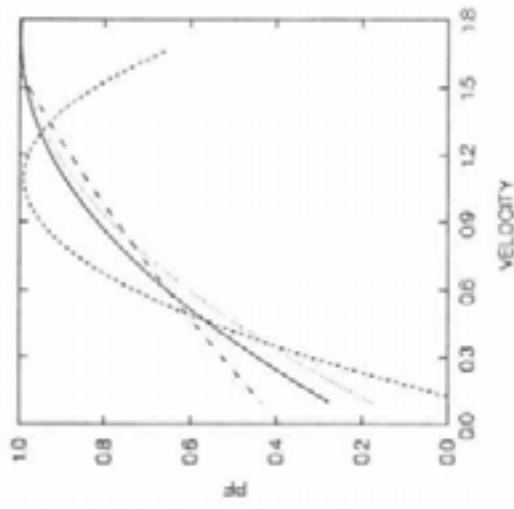
APPENDIX 4B

Exponential polynomial curves plotted through preference factors (PF) (see Section 2.5 for details of calculation) for densities of 5 major chironomid taxa in relation to water velocity (m.s-1) and depth (m) at 3 sites on Tongariro River.

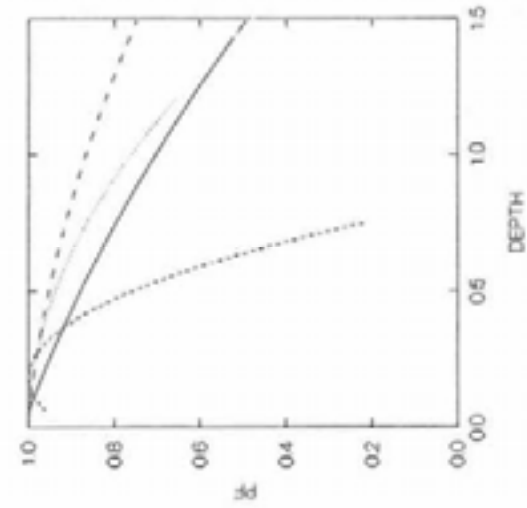
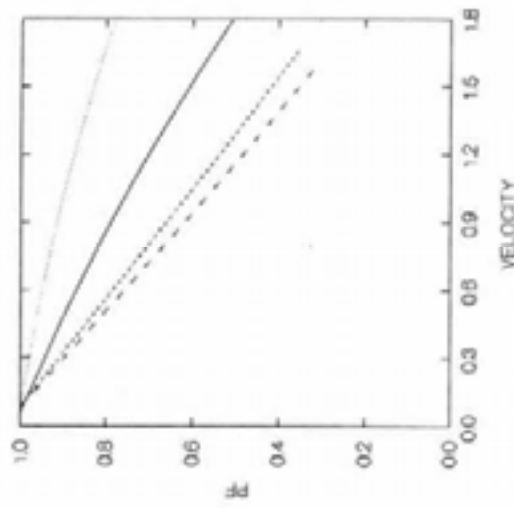
LEGEND: Solid line = All sites combined  
 Medium dashes = Site TI  
 Short dashes = Site TP  
 Dotted line = Site TT



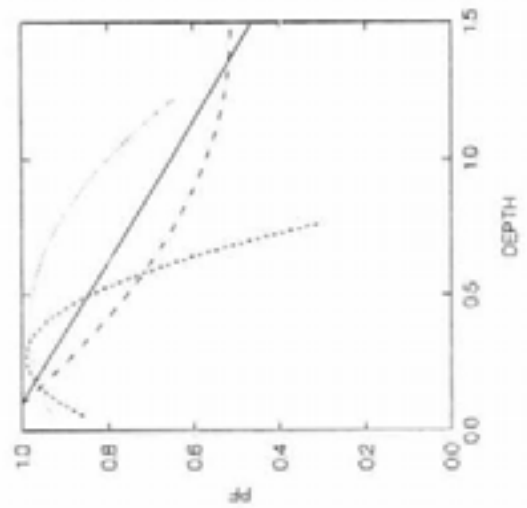
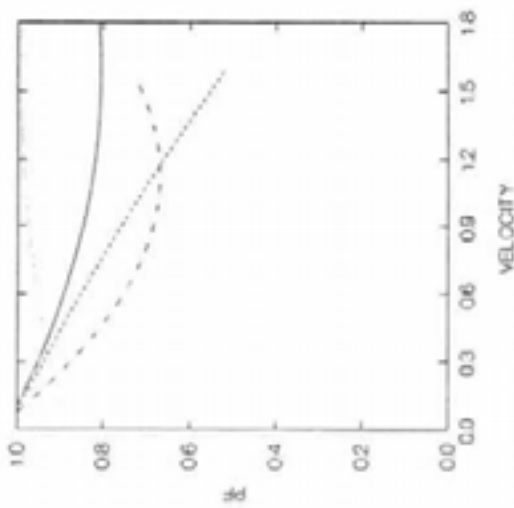
Maoriidiamesa sp.



Tanytarsus vespertinus



Orthocladinae sp.a



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