

## SPECIES LIST FOR THE KELIAN RIVER

Presence/absence based on data for all years; feeding groups based on 1994.

TAXON	SITE						Feeding Group	Notes
	1	2	3	4	5	6		
DIPTERA								
<b>Chironomidae</b>								
s.f Tanypodinae								
<i>Larsia sp 1</i>	*	*	*	*	*	*	Predator	Coll.gatherer at Site 6
<i>Pentaneura sp 1</i>	*	*	*	*	*		Predator	May also ingest FPOM
<i>Nilotanypus sp 1</i>		*	*				Coll-gatherer	
<i>Macropelopia sp 1</i>		*	*				Unknown	
<i>Rheopelopia</i>	*						Unknown	
<i>nr Alotanypus sp 1</i>		*					Predator	
<i>nr Zavrelimyia sp 1</i>	*	*	*	*	*	*	Unknown	
Immature Tanypodinae	*	*	*				Unknown	
s.f Chirononominiae								
Chironomini								
<i>Dicotendipes sp 1</i>		*	*	*	*	*	Coll-gatherer	
<i>Paratendipes sp 2</i>	*		*				Coll-gatherer	
<i>nr Microtendipes sp 1</i>	*	*	*	*	*		Grazer-scraper	
<i>nr Microtendipes sp 2</i>	*	*	*	*	*	*	Grazer-scraper	
<i>nr Microtendipes sp 3</i>	*	*					Grazer-scraper	
<i>Polypedilum nr watsoni</i>	*	*	*		*	*	Coll-gatherer	May also ingest some algae
<i>P. nr oresitrophus</i>	*	*			*		Coll-gatherer	May also ingest some algae
<i>P. nr prasiogaster</i>	*	*					Coll-gatherer	May also ingest some algae
<i>Pagastiella sp 1</i>		*	*		*		Coll-gatherer	
<i>Robackia sp 1</i>						*	Unknown	
<i>nr Saetheria sp 1</i>	*			*			Coll-gatherer	
<i>Stenochironomus sp 1</i>		*		*			Coll-gatherer	
<i>Paracladopelma sp</i>	*	*	*				Coll-gatherer	
<i>Cryptochironomus</i>					*		Unknown	
<i>Glyptotendipes</i>						*	Unknown	
Immature chironomini	*	*	*		*		Unknown	
Tanytarsini								
<i>Stempellina sp 1</i>	*							
<i>Cladotanytarsus sp 1</i>	*	*					Coll-gatherer	
<i>Rheotanytarsus sp 1</i>	*	*	*	*	*	*	Coll-gatherer	May also ingest some algae
<i>Rheotanytarsus sp 2</i>	*	*	*				Coll-gatherer	May also ingest some algae
<i>Tanytarsus sp 1</i>	*	*					Coll-gatherer	May also ingest some algae
<i>Tanytarsus sp 2</i>	*		*				Coll-gatherer	May also ingest some algae
<i>Tanytarsus nr richardsi</i>			*		*		Coll-gatherer	May also ingest some algae
<i>Micropsectra sp 1</i>	*	*	*		*		Grazer-scraper	
<i>Micropsectra sp 2</i>							Grazer-scraper	
Immature Tanytarsini	—		—		—		Unknown	
s.f Orthocladinae								
<i>Thienemanniella sp 1</i>	*	*					Grazer-scraper	
<i>Acricotopus sp 1</i>		*	*				Coll-gatherer	
<i>Cricotopus sp</i>	*	*	*	*		*	Coll-gatherer	May also ingest some algae
<i>Cardiocladius sp 1</i>	*	*	*	*			Grazer-scraper	Coll-gatherer at Site 4
<i>Rheocricotopus sp 1</i>	*	*	*				Grazer-scraper	
<i>Eukiefferiella sp 1</i>		*					Grazer-scraper	
<i>Eukiefferiella sp 2</i>		*	*				Grazer-scraper	

<i>Brillia</i> sp 1		*	*				Unknown		
<i>Hydrobaenus</i> sp 1	*	*	*				Unknown		
<i>Georthocladius</i> sp 1		*	*				Coll-gatherer		
<i>Gymnometriocnemus</i> sp 1		*					Unknown		
<i>Corynoneura</i> sp 1		*					Grazer-scraper		
<i>Pseudosmittia</i> sp 1		*					Grazer-scraper		
nr <i>Halocladius</i> sp 1		*					Unknown		
Immature orthoclads	*	*	*				Unknown		
Chironomid pupae	*	*	*	*	*	*	Do not feed		
<b>Empididae</b> sp 1	*	*	*		*		Unknown		
<b>Tipulidae</b> pupae sp a	*	*					Do not feed		
Tipulidae sp 1	*	*	*				Unknown		
Tipulidae sp 2	*	*			*		Unknown		
Tipulidae sp 3	*	*	*	*	*	*	Coll-gatherer		
Tipulidae sp 4		*					Unknown		
nr <i>Antocha</i> sp	*	*		*			Coll-gatherer		
<b>Athericidae</b> sp 1	*				*		Unknown		
<b>Blephariceridae</b> sp 1	*						Grazer-scraper		
<b>Simuliidae</b> nr <i>Cnephia</i> sp 1	*	*	*				Coll-filterer		
pupae	*						Do not feed		
<b>Ceratopogonidae</b> sp 1	*	*	*	*	*		Unknown		
<b>Culicidae</b> sp 1		*				*	Unknown		
<b>Dolichopodidae</b> sp 1	*						Unknown		
<b>Psychodidae</b> pupa sp a	*	*	*	*	*		Do not feed		
Psychodidae larva sp 1			*				Unknown		
<b>Tabanidae</b> sp 1	*						Unknown		
Unident. larva sp.1	*			*			Unknown		
Unident. larva sp.2	*	*					Unknown		
Unident. larva sp.3	*						Unknown		
EPHEMEROPTERA									
<b>Caenidae</b> sp 1	*	*	*	*	*	*	Coll-gatherer	May also ingest some algae	
Caenidae sp 2	*	*	*	*			Coll-gatherer	May also ingest some algae	
<b>Tricorythidae</b> sp 1	*	*	*	*	*	*	Grazer-scraper		
Tricorythidae sp 2	*	*	*	*	*		Grazer-scraper		
Tricorythidae sp 3	*	*		*	*		Grazer-scraper		
Tricorythidae sp 4	*	*		*			Grazer-scraper		
<b>Baetidae</b> sp 1	*	*	*	*	*	*	Coll-gatherer		
Baetidae sp 2	*	*	*	*	*	*	Coll-gatherer		
Baetidae sp 3	*			*	*		Coll-gatherer		
<i>Platybaetis</i> sp 1	*	*	*	*	*	*	Grazer-scraper	Coll-gatherer at Sites 4 and 6	
<i>Platybaetis</i> sp 2	*	*		*	*		Grazer-scraper	Coll-gatherer at Site 4	
<i>Platybaetis</i> sp 3	*		*	*			Grazer-scraper	Coll-gatherer at Site 4	
<b>Leptophlebiidae</b> sp 1	*	*	*	*	*	*	Grazer-scraper	Coll-gatherer at Sites 4 and 6	
Leptophlebiidae sp 2				*	*	*	Grazer-scraper		
<b>Potomanthidae</b> sp 1	*	*	*	*	*		Coll-gatherer		
<b>Ecdyonuridae</b> sp 1	*	*	*	*	*	*	Grazer-scraper	Coll-gatherer at Sites 4 and 6	
Ecdyonuridae sp 2	*				*		Unknown		
<b>Prosopistomatidae</b>	*				*		Predator		
<i>Prosopistoma wouterae</i>									
<b>Ephemereleididae</b> sp 1	*	*	*	*	*		Grazer-scraper		
LEPIDOPTERA									
<b>Pyralidae</b> sp. 1	*	*					Grazer-scraper		
TRICHOPTERA									

<b>Hydropsychidae</b> sp 1	*	*	*	*	*	*	Coll-filterer	
<b>Leptoceridae</b> sp 1	*	*	*	*	*	*	Coll-gatherer	
Leptoceridae sp 2	*		*	*			Coll-gatherer	
<b>Ecnomidae</b> sp 1	*	*	*	*			Unknown	
<b>Hydroptilidae</b> sp 1	*	*	*	*	*		Unknown	
Hydroptilidae sp 2		*					Unknown	
<i>Maydenoptila</i> sp 1	*	*		*	*		Unknown	
<i>Orthotrichia</i> sp 1			*				Unknown	
<i>Orthotrichia</i> sp 2	*	*					Unknown	
<b>Helicopsychidae</b> sp 1	*						Grazer-scraper	
<b>Polycentropodidae</b> sp 1	*	*	*	*	*		Coll-filterer	
Polycentropodidae sp 2				*			Coll-filterer	
<b>Calamoceratidae</b> sp 1	*	*					Shredder	
<b>Philopotamidae</b> sp 1	*	*					Coll-filterer	
<b>Xiphonocentronidae</b> sp 1	*	*		*			Unknown	
Unident. sp 1	*	*			*		Unknown	
Unident. sp 2	*	*					Unknown	
Trichoptera pupae	*	*	*		*		Do not feed	
PLECOPTERA								
<b>Perlidae</b> <i>Neoperla</i> sp 1	*	*	*	*	*	*	Predator	Early instars are Coll-gatherers
COLEOPTERA								
<b>Elmidae</b> larva sp 1	*	*	*	*	*	*	Shredder	
Elmidae larva sp 2	*	*	*	*	*		Coll-gatherer	
Elmidae larva sp 3	*	*		*			Coll-gatherer	
Elmidae larva sp 4	*	*	*	*	*		Unknown	
Elmidae larva sp 5	*	*			*		Unknown	
Elmidae larva sp 6	*	*					Unknown	
Elmidae larva sp 7	*	*	*	*	*	*	Coll-gatherer	
Elmidae larva sp 8	*	*	*	*	*		Unknown	
Elmidae larva sp 9	*				*		Shredder	
Elmidae adult sp 1	*	*	*	*	*		Coll-gatherer	
Elmidae adult sp 2	*	*	*	*			Unknown	
Elmidae adult sp 3	*	*	*		*		Unknown	
Elmidae adult sp 4	*	*		*	*		Unknown	
Elmidae adult sp 5	*				*		Unknown	
Elmidae adult sp 6			*	*			Unknown	
Elmidae adult sp 7			*	*	*		Unknown	
<b>Psephenidae</b> larva sp1	*	*	*	*	*		Grazer-scraper	
Psephenidae larva sp2	*	*			*	*	Grazer-scraper	
Psephenidae larva sp3	*	*	*	*	*		Grazer-scraper	
<b>Dytiscidae</b> larva <i>Laccophilus</i> sp	*	*	*	*	*	*	Unknown	
<b>Hydrophilidae</b> larva nr <i>Berosus</i>	*	*	*	*	*	*	Coll-gatherer	
Hydrophilidae adult sp 1	*		*				Unknown	
<b>Helodidae</b> larva sp.1	*	*			*		Unknown	
<b>Hydraenidae</b> adult sp 1	*	*		*			Unknown	
Hydraenidae larva sp 1				*			Unknown	
<b>Noteridae</b> larva sp 1	*						Unknown	
Noteridae adult sp 1		*					Unknown	
<b>Amphizoidae?</b> sp 1	*						Unknown	
<b>Gyrinidae</b> adult sp 1	*						Unknown	
<b>Hydrochidae</b> adult sp 1	*						Unknown	

<b>Chrysomelidae</b> adult sp 1	*	*					Unknown
<b>Limnichidae</b> larva sp 1				*	*		Unknown
Limnichidae larva sp 2				*	*		Unknown
Unidentified adult sp c	*						Unknown
Unidentified adult sp d							Unknown
COLLEMBOLA							
sp 1	*			*			Unknown
HEMIPTERA							
<b>Naucoridae</b> sp 1	*	*	*	*			Unknown
Naucoridae sp 2	*	*					Unknown
<b>Veliidae</b> <i>Rhagovelia</i> sp 1	*			*			Unknown
<b>Gerridae</b> sp 1	*	*					Predator
<b>Pleidae</b> sp 1		*					Unknown
<b>Nepidae</b> sp 1	*						Predator
MEGALOPTERA							
nr <i>Corydalus</i> sp		*		*	*		Predator
<b>Corydalidae</b> sp 2	*	*	*				Predator
ODONATA							
<i>Euphaea</i> sp 1	*	*	*	*	*		Predator
<b>Coenagrionidae</b> sp 1	*	*		*	*		Predator
<b>Corduliidae</b> sp 1	*	*			*	*	Predator
Corduliidae sp 1		*					Predator
<b>Gomphidae</b> sp 1	*		*				Predator
Gomphidae sp 2				*	*		Predator
<b>Libellulidae</b> sp 1				*			Predator
ARACHNIDA							
Acarina sp 1	*	*					Unknown
Acarina sp 2	*						Unknown
Acarina sp 3	*	*					Unknown
Acarina sp 4	*	*					Unknown
Acarina sp 5	*	*					Unknown
Acarina sp 6		*					Unknown
CRUSTACEA							
<i>Macrobrachium</i> sp	*		*	*	*	*	Coll-gatherer
GASTROPODA							
<b>Hydrobiidae</b> sp 1	*						
OLIGOCHAETA							
<b>Naididae</b> nr <i>Pristinella</i> sp	*	*	*	*	*	*	Coll-gatherer
Naididae nr <i>Stylaria</i> sp	*	*	*	*	*	*	Coll-gatherer
Oligochaeta sp 3	*	*		*	*		Coll-gatherer
Oligochaeta sp 4				*			Coll-gatherer
Oligochaeta sp 5		*	*	*			Coll-gatherer
<b>Tubificidae</b> sp 1				*	*	*	Coll-gatherer
PLATYHELMENTHES							
Turbellaria	*	*	*				Unknown
NEMATODA							
Nematoda	*					*	Unknown

FISH	1	2	3	4	5	6	
<i>Barbichthyes laevis</i>		*	*	*		*	Omnivore
<i>Channa lucius</i>					*		Carnivore
<i>Cyclocheilichthys apogon</i>		*	*	*		*	Omnivore
<i>Cyclocheilichthys repasson</i>	*		*	*	*	*	Omnivore
<i>Dangila festiva</i>		*	*	*	*	*	Herbivore
<i>Hampala macrolepidota</i>	*	*	*	*	*	*	Carnivore
<i>Kryptopterus apogon</i>						*	Carnivore
<i>Lobocheilus bo</i>	*	*	*	*	*	*	Herbivore
<i>Luciosoma pellegrini</i>	*	*	*	*	*		Carnivore
<i>Macrochirichthys macrochirus</i>		*	*	*		*	Carnivore
<i>Mystus nemurus</i>	*	*	*	*	*	*	Omnivore
<i>Osteochilus microcephalus</i>	*	*	*	*	*		Herbivore
<i>Osteochilus repang</i>	*	*	*	*	*	*	Herbivore-detritivore
<i>Osteochilus waandersii</i>	*	*	*	*	*	*	Herbivore-detritivore
<i>Osteochilus sp 1</i>		*	*	*	*		Herbivore
<i>Puntioplites bulu</i>		*	*	*		*	Omnivore
<i>Puntius bramoides</i>	*	*	*	*	*	*	Omnivore
<i>Schismatorhynchus heterorhynchus</i>	*	*	*		*		Herbivore