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PRODUCTION NOTE

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AQUATIC INSECTS (MAYFLIES, STONEFLIES, AND CADDISFLIES) OF FOREST GLEN
COUNTY FOREST PRESERVE AND RUSSELL M. DUFFIN NATURE PRESERVE,
VERMILION COUNTY, ILLINOIS

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Illinois Natural History Survey
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INTRODUCTION

This report is in fulfillment of obligations for the granting of a 2001 scientific collector's permit for Forest Glen County Forest Preserve, Vermilion Co. and for Russell M. Duffin State Nature Preserve contained within.

Forest Glen supports abundant seeps and streams, deep, mesic ravines, and eastern deciduous forest remnants. This complex of woodland habitat provides refugia for aquatic insect species reminiscent of a more eastern distribution. Little of this habitat remains in Illinois, with most of it being limited to the Wabash Borderlands Natural Division and into the Shawnee Hills of southern Illinois. It was surmised that this isolated habitat type might hold several species of mayflies, stoneflies, and caddisflies either not known to the state, those of limited distribution, or even the presence of species unknown to science. The objectives of the current work are to document the Ephemeroptera (mayfly), Plecoptera (stonefly), and Trichoptera (caddisfly) fauna of this unique habitat complex.

METHODOLOGY

This investigation is largely qualitative and involved visits throughout the year to Forest Glen throughout the year. Handpicking of insects, sweepnetting, and UV light trapping was conducted to yield specimens. Some immature insects were brought back to the laboratory to rear to adulthood. This allowed for species level identification in several cases.

Additional specimens found in the INHS insect collection, stemming from the efforts of others over the past 25 years, were re-evaluated. This yielded several species not found by my efforts. All specimens have been deposited in the INHS insect collection. Label data from these specimens have been stored in the insect specimen database. Information may be requested from the author about specific specimens by using the Prefix and Catalogue # combination provided in Table 1.

Several aquatic resources at Forest Glen were investigated. General descriptions and geographic coordinates are provided for the eight locations represented by the data.

RESULTS AND DISCUSSION

The 2001 field season added new state records, confirmed the identity of several other species, provided new distribution records for previously known taxa, and permitted the description of

one species completely unknown to science. Table 1 summarizes all taxa identified, locations within the preserve complex, numbers of individuals taken, and dates of collection. Significant findings are headed by taxon name below.

Ephemeroptera (Mayflies)

Baetidae

Acerpenna macdunnoughi

A single nymph of this species was taken from a stream adjacent to the Old Barn Trail. This constitutes a second location for it in Illinois (Randolph and McCafferty 1998). It is known from an adjacent Indiana county, from Kentucky, Ohio, and Wisconsin in the Midwest (Randolph and McCafferty 1998). The identity of is somewhat uncertain, as this specimen was small and battered.

Dipheter hageni

This is a “small minnow” mayfly of the family Baetidae. It was taken at two locations, the western loop of the Old Barn Trail in a small stream and in the same stream at the Deerpass Trail footbridge. Burks (1953) noted a population in Pope County, Illinois and in the Indiana counties just east of Forest Glen. Randolph and McCafferty (1998) demonstrated that most records for the Midwest have been in Indiana, their home state. It is possible that this species is more widespread than currently known and that special effort is necessary to collect it.

Ephemerellidae

Eurylophella funeralis

A species of ephemerellid mayfly, *Eurylophella funeralis*, was taken in 2001 as a nymph from the Russell M. Duffin Nature Preserve (Table 1). This, I believe, confirms the identity of a smaller nymph taken from a location north of the Maple Grove Lodge in a small seep during the 2000 field season. This species has not been reported from Illinois (Randolph and McCafferty 1998), although, it does occur in nearby counties of Indiana and in Wisconsin, Kentucky, and Ohio. It is also known from the Appalachian Plateau, where it is widespread.

Plecoptera (Stoneflies)

Capniidae

Allocapnia nivicola

This is a winter-emerging stonefly characteristic of small stony brooks throughout its range from the Maritime Provinces south to Alabama and then at scattered locations into the Midwest (Ross and Ricker 1971). It is abundant in the brooks of the Russell M. Duffin Nature Preserve. Many specimens were taken in March 2001. Dr. Donald Webb (INHS) took additional specimens in the early 1990s. Ross and Ricker (1971) had previously been reported it from Vermilion County.

Allocapnia recta

This too is a so-called “winter stonefly.” Small numbers of these occurred with *A. nivicola* in Duffin Preserve, at the westernmost bend of the Old Barn Trail in a nearby unnamed tributary, and in an unnamed tributary north of the Maple Grove Lodge. This is a species that is characteristic of larger streams (Ross and Ricker 1971), i.e. in the forks of the Vermilion where it is abundant.

Allocapnia vivipara

This winter stonefly is a ubiquitous inhabitant of nearly all streams in the state and is tolerant of a wide range of water quality. The fact that it was not a dominant inhabitant of the fauna of Forest Glen signifies that these streams are of high quality. Maple Grove Lodge and streams coalescing along Deerpass Trail provided a few specimens.

Nemouridae

Amphinemura delosa

This is a late spring emerging stonefly. Its distribution in Illinois is not well known because so few specimens have been taken (Frison 1935). It cannot be identified to species using the nymphs, which have been taken in much greater abundance and throughout the state where stream have a tree riparian zone. This species eats decaying leaves in the nymphal stage and its range has probably shrunk due to loss of forest cover across the state. Several specimens have been taken over a 30-yr period in the Duffin Preserve (Table 1).

Amphinemura varshava

This species was taken in 1997 from Duffin Preserve. I have not collected it but may have not expended enough effort at the appropriate time of the year.

Perlodidae

Clioperla clio

This is a spring-emerging species common to small springbrooks throughout the state (Frison 1935). It is a large predatory stonefly that usually occurs at low population densities, and thus, is often difficult to collect. It has been found in streams of Duffin Preserve and in streams along Deerpass Trail.

Chloroperlidae

Haploperla brevis

Several specimens of this late spring to early-summer emerging species were collected in 1977 and 1997. I have not collected it. Its distribution in the state is limited to the Wabash Borderlands and to the Shawnee Hills. Typically, this species prefers small-to-medium sized streams.

Perlidae

Perlesta napacola DeWalt, new species

Adult male specimens were obtained to establish the identity of a taxon previously referred to as *Perlesta* nr. *teaysia* (DeWalt et al. 2001). The life stages of this new species were described in mid-2001 and a manuscript subsequently submitted to Entomological News. The manuscript has been accepted and will appear in the May/June issue (DeWalt in press). This species has been found nowhere else, although it is expected in similar small streams in Vermilion County and into Indiana. Its closest relative occurs in western Virginia (Kirchner and Kondratieff 1997). A copy of the manuscript has been provided to the permitting agencies along with this report.

TRICHOPTERA (CADDISFLIES)

Limnephilidae

Ironoquia lyrata

This species was described from an unnamed tributary of the Salt Fork Vermilion River just south of Oakwood. Several other unique species were taken from this location in the early part of the 20th century (Ross 1944), but all of these have been locally extirpated. It is with great pleasure that I can tell you that Forest Glen harbors this species near the Deerpass Trail footbridge. Two specimens were captured in September 2001 at UV light. This is now the only known location for the species in Illinois. The INHS insect collection had only three locations for this species, including Pennsylvania, Wisconsin, and the Oakwood location.

Pycnopsyche antica

Most of the large (≥ 1 in. length) cased caddisfly larvae in streams near Deerpass Trail are probably those of this species. The adults are distinguished from other local species in the genus by having forewings, which are a burnt orange color, completely speckled with small brown spots (Moulton and Stewart 1996). This is a new state record and the species at this location is at its western-most distribution limit; otherwise, it is most prevalent in the Appalachian Plateau (Wojtowicz 1982). It is quite possible that this species would be seen by Forest Glen campers on mild September nights when it emerges from the stream.

Pycnopsyche lepida

This species, captured with *P. antica*, was represented by only two specimens. Its wing coloration is unicolorous-tan, except perhaps for one or more small-darkened areas in the distal half of the forewing. This is only the third location in Illinois for this northerly distributed species (Wojtowicz 1982). It has been taken from adjacent Indiana counties.

Other species listed in Table 1 have been reported previously and will not be covered further. I should like to extend my permit for Forest Glen and Duffin Nature Preserve. In successive years, my efforts have yielded new state records and a most recently a new species. I fully expect that with additional efforts this trend will continue for a short while.

This spring I will modify this report to be included in a manuscript for publication on the unique fauna of this area. I will also compare it to work I have done in other small brooks throughout

the state. This type of habitat is key to protecting a sizeable number of aquatic insect species throughout the state. Other work that would be useful, should I find the time and resources, would be to link what I have found here to other seepage/ small brook in the Wabash drainage of Illinois. An interesting location to study would be Rocky Branch Nature Preserve, where INHS insect collection data suggesting a similar fauna.

I have included my 2001 permit for renewal please note that the county permit is also enclosed to demonstrate that Ken Konsis has approved my work, as indicated by his signature.

LITERATURE CITED

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- Wojtowicz, J. A. 1982. A Review of the Adults and Larvae of the Genus *Pycnopsyche* (Trichoptera: Limnephilidae) with Revisions of the *Pycnopsyche scabripennis* (Rambur) and *Pycnopsyche lepida* (Hagen) Complexes. Ph.D. dissertation, University of Tennessee, Knoxville. 292 pp.

Table 1. Species of a Ephemeroptera, Plecoptera, and Trichoptera taken from streams and seeps in Forest Glen County Forest Preserve, Vermilion County, and Russell M. Duffin Nature Preserve. This list is inclusive of all taxa currently vouchered at the Illinois Natural History Survey insect collection.

Prefix	Cat. #	Genus	Species	Author	Order	Family	Imm.	Adults	Total	Stream	Day	Month.	Year
				Russell M. Duffin Nature Preserve, 40.0094 N, 87.5535 W									
Insect Collection	3578	Eurylophella	funeralis	(McDunnough)	Ephemeroptera	Ephemereilidae	1		1	1 Trib. Vermilion River	3 March		2001
Insect Collection	3579	Leptophlebia	sp.		Ephemeroptera	Leptophlebiidae	3		3	3 Trib. Vermilion River	3 March		2001
Ephemeroptera	13522	Stenonema	vicarium	(Walker)	Ephemeroptera	Heptageniidae		2	2	2 Trib. Vermilion River	6 July		2000
Ephemeroptera	13534	Stenonema	vicarium	(Walker)	Ephemeroptera	Heptageniidae	1		1	1 Trib. Vermilion River	9 September		2000
Insect Collection	3574	Allocapnia	nivicola	(Fitch)	Plecoptera	Capniidae		16	16	16 Trib. Vermilion River	3 March		2001
Plecoptera	1725	Allocapnia	nivicola	(Fitch)	Plecoptera	Capniidae		17	17	17 Trib. Vermilion River	28 January		1993
Plecoptera	1790	Allocapnia	nivicola	(Fitch)	Plecoptera	Capniidae		7	7	7 Trib. Vermilion River	28 January		1991
Plecoptera	17075	Allocapnia	recta	(Claassen)	Plecoptera	Capniidae		1	1	1 Trib. Vermilion River	26 January		1990
Plecoptera	1726	Allocapnia	recta	(Claassen)	Plecoptera	Capniidae		1	1	1 Trib. Vermilion River	28 January		1993
Plecoptera	2068	Allocapnia	recta	(Claassen)	Plecoptera	Capniidae		2	2	2 Trib. Vermilion River	28 January		1991
Insect Collection	3576	Allocapnia	recta	(Claassen)	Plecoptera	Capniidae		3	3	3 Trib. Vermilion River	3 March		2001
Insect Collection	3577	Allocapnia	sp.		Plecoptera	Capniidae	3		3	3 Trib. Vermilion River	3 March		2001
Plecoptera	5035	Amphinemura	delosa	(Ricker)	Plecoptera	Nemouridae		1	1	1 Trib. Vermilion River	9 May		1977
Plecoptera	5036	Amphinemura	delosa	(Ricker)	Plecoptera	Nemouridae		3	3	3 Trib. Vermilion River	11 May		1977
Plecoptera	5034	Amphinemura	delosa	(Ricker)	Plecoptera	Nemouridae		16	16	16 Trib. Vermilion River	13 May		1977
Insect Collection	3571	Amphinemura	delosa	(Ricker)	Plecoptera	Nemouridae		3	3	3 Trib. Vermilion River	19-21 June		1997
Plecoptera	19098	Amphinemura	delosa	(Ricker)	Plecoptera	Nemouridae		1	1	1 Trib. Vermilion River	6 July		2000
Insect Collection	3572	Amphinemura	varshava	(Ricker)	Plecoptera	Nemouridae		8	8	8 Trib. Vermilion River	19-22 June		1997
Plecoptera	5046	Clioperla	clio	(Newman)	Plecoptera	Perlodidae		4	4	4 Trib. Vermilion River	6 May		1977
Plecoptera	5043	Clioperla	clio	(Newman)	Plecoptera	Perlodidae		1	1	1 Trib. Vermilion River	9 May		1977
Plecoptera	5045	Clioperla	clio	(Newman)	Plecoptera	Perlodidae		2	2	2 Trib. Vermilion River	11 May		1977

Prefix	Cat. #	Genus	Species	Author	Order	Family	Imm.	Adults	Total	Stream	Day	Month.	Year
Russell M. Duffin Nature Preserve, continued													
Plecoptera	5044	Clioptera	clio	(Newman)	Plecoptera	Perlodidae		1	1	1 Trib. Vermilion River	13 May		1977
Plecoptera	5042	Clioptera	clio	(Newman)	Plecoptera	Perlodidae		1	1	1 Trib. Vermilion River	28--29 May		1977
Plecoptera	5041	Haploperla	brevis	(Banks)	Plecoptera	Chloroperlidae		1	1	1 Trib. Vermilion River	6 May		1977
Plecoptera	5040	Haploperla	brevis	(Banks)	Plecoptera	Chloroperlidae		x		Trib. Vermilion River	9 May		1977
Plecoptera	5039	Haploperla	brevis	(Banks)	Plecoptera	Chloroperlidae		5	5	5 Trib. Vermilion River	11 May		1977
Plecoptera	5038	Haploperla	brevis	(Banks)	Plecoptera	Chloroperlidae		9	9	9 Trib. Vermilion River	13 May		1977
Plecoptera	5037	Haploperla	brevis	(Banks)	Plecoptera	Chloroperlidae		5	5	5 Trib. Vermilion River	1--6 June		1977
Insect Collection	3570	Haploperla	brevis	(Banks)	Plecoptera	Chloroperlidae		12	12	12 Trib. Vermilion River	19-20 June		1997
Plecoptera	19089	Leuctra	tenuis	(Pictet)	Plecoptera	Leuctridae		2	2	2 Trib. Vermilion River	13 September		2000
Plecoptera	19090	Leuctra	tenuis	(Pictet)	Plecoptera	Leuctridae		3	3	3 Trib. Vermilion River	16 September		2000
Plecoptera	19091	Leuctra	tenuis	(Pictet)	Plecoptera	Leuctridae		6	6	6 Trib. Vermilion River	16 September		2000
Plecoptera	5063	Perlesta	napacola	DeWalt	Plecoptera	Perlidae		12	12	12 Trib. Vermilion River	4 August		1977
Insect Collection	3575	Soyedina	vallicularia	(Wu)	Plecoptera	Nemouridae	4	1	5	5 Trib. Vermilion River	3 March		2001
Plecoptera	5030	Soyedina	vallicularia	(Wu)	Plecoptera	Nemouridae		2	2	2 Trib. Vermilion River	22-25 April		1977
Plecoptera	5031	Soyedina	vallicularia	(Wu)	Plecoptera	Nemouridae		2	2	2 Trib. Vermilion River	22-25 April		1977
Plecoptera	5032	Soyedina	vallicularia	(Wu)	Plecoptera	Nemouridae		4	4	4 Trib. Vermilion River	22-25 April		1977
Trichoptera	64737	Lepidostoma	griseum	N Banks	Trichoptera	Lepidostomatidae		1	1	1 Trib. Vermilion River	9 September		2000
Trichoptera	64738	Lepidostoma	sp.		Trichoptera	Lepidostomatidae		1	1	1 Trib. Vermilion River	9 September		2000
Trichoptera	55580	Cheumatopsyche	oxa	HH Ross	Trichoptera	Hydropsychidae		14	14	14 Trib. Vermilion River	6 July		2000
Trichoptera	65214	Cheumatopsyche	oxa	HH Ross	Trichoptera	Hydropsychidae		1	1	1 Trib. Vermilion River	16 September		2000
Insect Collection	3580	Diplectrona	modesta	N Banks	Trichoptera	Hydropsychidae	3		3	3 Trib. Vermilion River	3 March		2001
Trichoptera	55578	Diplectrona	modesta	N Banks	Trichoptera	Hydropsychidae	1	3	4	4 Trib. Vermilion River	6 July		2000

Prefix	Cat. #	Genus	Species	Author	Order	Family	Imm.	Adults	Total	Stream	Day	Month.	Year
Russell M. Duffin Nature Preserve, continued													
Trichoptera	64739	Diplectrona	modesta	N Banks	Trichoptera	Hydropsychidae	1	1	1	Trib. Vermilion River	6	September	2000
Trichoptera	55579	Hydropsyche	betteni	HH Ross	Trichoptera	Hydropsychidae	1	1	1	Trib. Vermilion River	6	July	2000
Trichoptera	64736	Hydropsyche	betteni	HH Ross	Trichoptera	Hydropsychidae	1	1	1	Trib. Vermilion River	6	August	2000
Trichoptera	55582	Chimarra	feria	HH Ross	Trichoptera	Philopotamidae	1	1	1	Trib. Vermilion River	6	July	2000
Trichoptera	55583	Chimarra	feria	HH Ross	Trichoptera	Philopotamidae	2	2	2	Trib. Vermilion River	6	July	2000
Trichoptera	65225	Chimarra	feria	HH Ross	Trichoptera	Philopotamidae	5	5	5	Trib. Vermilion River	16	September	2000
Trichoptera	65220	Chimarra	feria	HH Ross	Trichoptera	Philopotamidae	3	3	3	Trib. Vermilion River	16	September	2000
Trichoptera	64740	Chimarra	feria	HH Ross	Trichoptera	Philopotamidae	1	1	1	Trib. Vermilion River	6	October	2000
Trichoptera	55581	Neophylax	concinus	R McLachlan	Trichoptera	Uenoidae	2	2	2	Trib. Vermilion River	6	July	2000
Trichoptera	65226	Neophylax	concinus	R McLachlan	Trichoptera	Uenoidae	6	6	6	Trib. Vermilion River	16	September	2000
Insect Collection	3568	Pycnopsyche	sp.		Trichoptera	Limnephilidae	1	1	1	Trib. Vermilion River	9	September	2000
250 m NE of Maple Grove Lodge in stream and seepage area, 40.0148 N, 87.5603 W													
Ephemeroptera	13540	Eurylophella	funeralis	(McDunnough)	Ephemeroptera	Ephemereilidae	3	3	3	Tributary Vermilion River	16	September	2000
Insect Collection	3599	Allocaenia	recta	(Claassen)	Plecoptera	Capniidae	35	35	35	Unn. Trib. Vermilion River	3	March	2001
Insect Collection	3598	Soyedina	vallicularia	(Wu)	Plecoptera	Nemouridae	4	6	10	Unn. Trib. Vermilion River	3	March	2001
Plecoptera	19097	Soyedina	vallicularia	(Wu)	Plecoptera	Nemouridae	9	9	9	Unn. Trib. Vermilion R.	16	September	2000
Insect Collection	3600	Diplectrona	metaqui	HH Ross	Trichoptera	Hydropsychidae	1	1	1	Unn. Trib. Vermilion River	3	March	2001
Trichoptera	65228	Diplectrona	metaqui	HH Ross	Trichoptera	Hydropsychidae	2	2	2	Unn. Trib. of Vermilion River.	16	September	2000
Insect Collection	3601	Diplectrona	modesta	N Banks	Trichoptera	Hydropsychidae	1	1	1	Unn. Trib. Vermilion River	3	March	2001
Trichoptera	65227	Diplectrona	modesta	N Banks	Trichoptera	Hydropsychidae	5	5	5	Unn. Trib. of Vermilion River.	16	September	2000
Trichoptera	65223	Hydropsyche	sp.		Trichoptera	Hydropsychidae	1	1	1	Unn. Trib. of Vermilion River.	16	September	2000
Trichoptera	65213	Lepidostoma	sommermanae	HH Ross	Trichoptera	Lepidostomatidae	10	1	11	Unnamed Tributary of Vermilion River	16	September	2000

Prefix	Cat. #	Genus	Species	Author	Order	Family	Imm. Adults	Total	Stream	Day	Month.	Year
			250 m NE of Maple Grove Lodge, continued									
Insect Collection	3602	Lepidostoma	sp.		Trichoptera	Lepidostomatidae	4	4	Unn. Trib. Vermilion River	3	March	2001
			at confluence of Vermilion River and Unnamed Tributary 300 m N Maple Grove Lodge, 40.0148 N, 87.5759 W									
Insect Collection	3581	Taeniopteryx	burksi	Ricker & Ross	Plecoptera	Taeniopterygidae	14	14	Unn. Trib. Vermilion River	3	March	2001
			Streams near footbridge over Deerpass Trail, 40.0125 N, 87.5787 W									
Insect Collection	3239				Diptera	Heliomyzidae	1	1	Unn. Trib. Vermilion River	10	March	2001
Insect Collection	3560	Dipheter	hageni	(Eaton)	Ephemeroptera	Baetidae	2	2	Unn. Trib. Vermilion River	10	March	2001
Insect Collection	3562	Stenonema	vicarium	(Walker)	Ephemeroptera	Heptageniidae	15	15	Unn. Trib. Vermilion River	10	March	2001
Plecoptera	19187	Allocapnia	vivipara	(Claassen)	Plecoptera	Capniidae	2	2	Unn. Trib. Vermilion R.	16	December	2000
Insect Collection	3585	Clioperla	clio	(Newman)	Plecoptera	Perlodidae	1	1	Unn. Trib. Vermilion River	10	March	2001
Plecoptera	19188	Clioperla	clio	(Newman)	Plecoptera	Perlodidae	1	1	Unn. Trib. Vermilion R.	16	December	2000
Insect Collection	3587	Cheumatopsyche	sp.		Trichoptera	Hydropsychidae	6	6	Unn. Trib. Vermilion River	10	March	2001
Insect Collection	3586	Chimarra	aterrima	HA Hagen	Trichoptera	Philopotamidae	7	7	Unn. Trib. Vermilion River	10	March	2001
Insect Collection	3073	Helicopsyche	borealis	HA Hagen	Trichoptera	Helicopsychidae	2	2	Unn. Trib. Vermilion River	12	September	2001
Insect Collection	3588	Hydropsyche	betteni	HH Ross	Trichoptera	Hydropsychidae	1	1	Unn. Trib. Vermilion River	10	March	2001
Insect Collection	3074	Hydropsyche	betteni	HH Ross	Trichoptera	Hydropsychidae	1	1	Unn. Trib. Vermilion River	12	September	2001
Insect Collection	3076	Ironoquia	lyrata	HH Ross	Trichoptera	Limnephilidae	2	2	Unn. Trib. Vermilion River	12	September	2001
Insect Collection	3589	Neophylax	concinus		Trichoptera	Uenoidae	3	3	Unn. Trib. Vermilion River	10	March	2001
Insect Collection	3072	Pycnopsyche	antica	F Walker	Trichoptera	Limnephilidae	38	38	Unn. Trib. Vermilion River	12	September	2001
Insect Collection	3075	Pycnopsyche	lepida	HA Hagen	Trichoptera	Limnephilidae	2	2	Unn. Trib. Vermilion River	12	September	2001
Insect Collection	3590	Pycnopsyche	sp.		Trichoptera	Limnephilidae	1	1	Unn. Trib. Vermilion River	10	March	2001
Insect Collection	3569	Pycnopsyche	sp.		Trichoptera	Limnephilidae	4	4	Unn. Trib. Vermilion River	16	December	2000

Prefix	Cat. #	Genus	Species	Author	Order	Family	Imm. Adults	Total	Stream	Day	Month	Year
Bog Area and stream along Old Barn Trail, 40.0117 N, 87.5790 W												
Insect Collection	3567	Pedicia	sp.		Diptera	Tipulidae	1	1	Trib. Vermilion River	10	March	2001
Insect Collection	3594	Acerpenna	macdunnoughi	(Ide)	Ephemeroptera	Baetidae	1	1	Trib. Vermilion River	10	March	2001
Insect Collection	3593	Dipheter	hageni	(Eaton)	Ephemeroptera	Baetidae	2	2	Trib. Vermilion River	10	March	2001
Insect Collection	3595	Stenonema	vicarium	(Walker)	Ephemeroptera	Heptageniidae	12	12	Trib. Vermilion River	10	March	2001
Insect Collection	3592	Clioptera	clio	(Newman)	Plecoptera	Perlodidae	2	2	Trib. Vermilion River	10	March	2001
Plecoptera	18257	Soyedina	vallicularia	(Wu)	Plecoptera	Nemouridae	15	15	Trib. Vermilion River	14	February	1998
Insect Collection	3561	Cheumatopsyche	sp.		Trichoptera	Hydropsychidae	4	4	Trib. Vermilion River	10	March	2001
Trichoptera	65221	Chimarra	feria	HH Ross	Trichoptera	Philopotamidae	1	1	Trib. Vermilion River	17	September	2000
Insect Collection	3565	Diplectrona	modesta	N Banks	Trichoptera	Hydropsychidae	3	3	Trib. Vermilion River	10	March	2001
Insect Collection	3563	Helicopsyche	borealis	HA Hagen	Trichoptera	Helicopsychidae	3	3	Trib. Vermilion River	10	March	2001
Trichoptera	65224	Helicopsyche	borealis	HA Hagen	Trichoptera	Helicopsychidae	3	3	Trib. Vermilion River	17	September	2000
Trichoptera	65224	Helicopsyche	borealis	HA Hagen	Trichoptera	Helicopsychidae	3	3	Trib. Vermilion River	17	September	2000
Insect Collection	3564	Neophylax	concinus		Trichoptera	Uenoidae	1	1	Trib. Vermilion River	10	March	2001
Insect Collection	3566	Neophylax	concinus		Trichoptera	Uenoidae	4	4	Trib. Vermilion River	10	March	2001
Trichoptera	65222	Neophylax	concinus	R McLachlan	Trichoptera	Uenoidae	2	2	Trib. Vermilion River	17	September	2000
Insect Collection	3591	Ptilostomis	sp.		Trichoptera	Phryganeidae	1	1	Trib. Vermilion River	10	March	2001
Footbridge on Old Barn Trail, tributary to lake, 40.0126 N, 87.5565 W												
Insect Collection	3582	Allocapnia	vivipara	(Claassen)	Plecoptera	Capniidae	1	1	Unn. Trib. Vermilion River	10	March	2001
Insect Collection	3583	Allocapnia	recta	(Claassen)	Plecoptera	Capniidae	3	3	Unn. Trib. Vermilion River	10	March	2001
Insect Collection	3584	Soyedina	vallicularia	(Wu)	Plecoptera	Nemouridae	1	1	Unn. Trib. Vermilion River	10	March	2001

Prefix	Cat. #	Genus	Species	Author	Order	Family	Imm.	Adults	Total	Stream	Day	Month	Year
				150 m W of Old Bam Trail from Bog Area in seepage area, 40.0115 N, 87.5805 W									
Insect Collection	3596	Soyedina	vallicularia	(Wu)	Plecoptera	Nemouridae	8	8		Urn. Trib. Vermilion River	10	March	2001
Insect Collection	3597	Chimarra	aterrima	HA Hagen	Trichoptera	Philopotamidae	7	7		Urn. Trib. Vermilion River	10	March	2001
				Canoe Put-in Vermilion River, 40.015 N, 87.547 W									
Plecoptera	18860	Neoperla	clymene	(Newman)	Plecoptera	Perlidae		2	2	Vermilion River	1	July	1999
Plecoptera	18861	Neoperla	clymene	(Newman)	Plecoptera	Perlidae		1	1	Vermilion River	1	July	1999
Plecoptera	18862	Perlesta	decipiens	Walsh	Plecoptera	Perlidae		19	19	Vermilion River	1	July	1999
Plecoptera	18863	Perlesta	decipiens	Walsh	Plecoptera	Perlidae		32	32	Vermilion River	1	July	1999
Plecoptera	18864	Perlesta	decipiens	Walsh	Plecoptera	Perlidae		35	35	Vermilion River	1	July	1999
Plecoptera	18865	Perlesta	decipiens	Walsh	Plecoptera	Perlidae		29	29	Vermilion River	1	July	1999
Plecoptera	18866	Perlesta	decipiens	Walsh	Plecoptera	Perlidae		20	20	Vermilion River	1	July	1999
Plecoptera	18867	Perlesta	decipiens	Walsh	Plecoptera	Perlidae		3	3	Vermilion River	1	July	1999
Plecoptera	18868	Perlesta	decipiens	Walsh	Plecoptera	Perlidae		27	27	Vermilion River	1	July	1999
Plecoptera	18869	Perlesta	decipiens	Walsh	Plecoptera	Perlidae		33	33	Vermilion River	1	July	1999