

# Survey of the Odonate Fauna in Willmore Wilderness Park



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## INTRODUCTION

Willmore Wilderness Park (about 4596.7 km<sup>2</sup> in size) is located in the northern portion of Alberta's Rocky Mountains just west of Grand Cache and north of Jasper National Park. The park encompasses four main subregions within its boundaries – the Alpine, Subalpine, Montane and Upper Foothills Subregions. Habitats suitable for odonates are found throughout the park and include ponds, peatlands, subalpine lakes and streams.

Over the past eight years odonate surveys were a part of the biophysical inventories conducted by Alberta Parks within some of its wildland parks. Most of these inventories focused on parks located in northern Alberta's Boreal Forest and Canadian Shield Natural Regions. However, in 2006 the first of two surveys for parks that were located within the Rocky Mountain Natural Region began. Kakwa Wildland Provincial Park was the focus of the 2006 survey (Macaulay 2007). The western portion of Willmore Wilderness Park was surveyed in the summer of 2007 and the results are briefly presented in this report.

## RESULTS

Odonates were collected from eighteen locations in the western part of Willmore. These sites ranged from small ponds to creeks to alpine meadows (Table 1). Collection sites are illustrated in Figure 1.

Site #	Location	Coordinates
1	beside Meadowland Creek in meadow with small pond	53.50149°N -119.81460°W
2	Mount Pauline in alpine meadow	53.50531°N -119.86683°W
3	beside Meadowland Creek in meadow with small pond	53.51071°N -119.79997°W
4	Pauline Creek headwaters	53.51093°N -119.86476°W
5	Resthaven Complex overlooking Jackpine River	53.54412°N -119.50776°W
6	Wet meadow near Beaverdam Creek	53.57173°N -119.70179°W
7	Beaverdam Creek Pass near Pauline Creek	53.57887°N -119.88444°W
8	Resthaven Complex alpine meadow	53.61700°N -119.39378°W
9	Small lake near Smoky River	53.62875°N -119.45701°W
10	Small lake near Smoky River – outlet	53.62972°N -119.45205°W
11	Jack Pine Lake, 'fuel cache'	53.68719°N -119.47750°W
12	Fetherstonhaugh Creek	53.73063°N -119.84988°W
13	Casket Creek headwaters	53.80087°N -119.92339°W
14	Casket Mountain	53.80700°N -119.94900°W
15	Dry Canyon Lakes	53.81378°N -119.56087°W
16	Marl Lake near Sheep Creek	53.85759°N -119.63367°W
17	Lake near Sheep Creek	53.86211°N -119.62528°W
18	Cote Creek Meadow	53.86396°N -119.80602°W

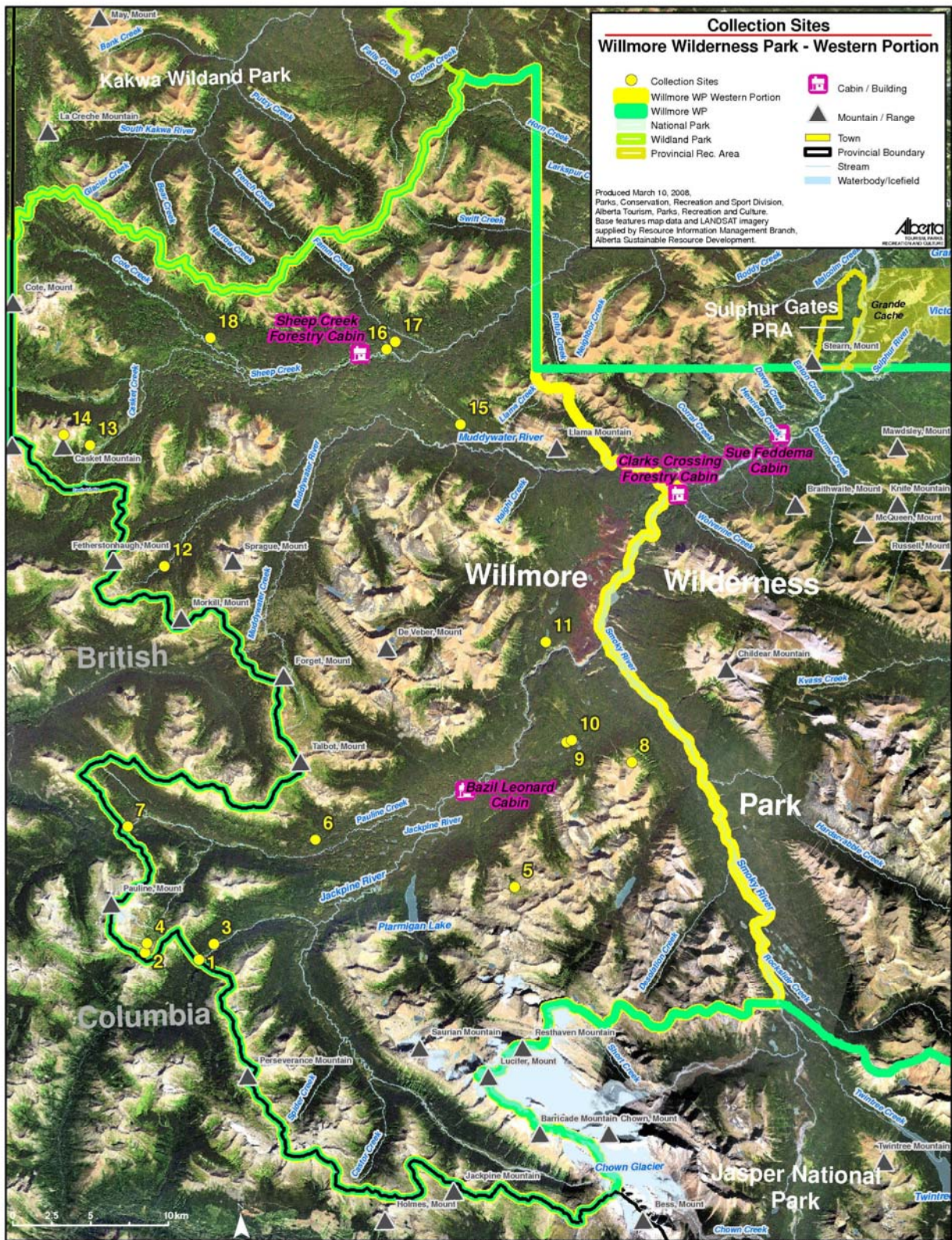


Figure 1. Collection sites in the western part of Willmore Wilderness Park.

Table 2 lists the 17 odonate species from five families that were collected during the 2007 survey in the western portion of Willmore Wilderness Park. Table 3 lists an additional 35 species that are predicted to occur within Willmore.

#	Family	Species
1	Aeshnidae	<i>Aeshna eremita</i> Scudder
2	Aeshnidae	<i>Aeshna juncea</i> (Linnaeus)
3	Aeshnidae	<i>Aeshna palmata</i> Hagen
4	Aeshnidae	<i>Aeshna septentrionalis</i> Burmeister
5	Coenagrionidae	<i>Coenagrion interrogatum</i> (Selys)
6	Coenagrionidae	<i>Coenagrion resolutum</i> (Selys)
7	Coenagrionidae	<i>Enallagma boreale</i> (Selys)
8	Coenagrionidae	<i>Enallagma hageni</i> (Wlsh.)
9	Corduliidae	<i>Cordulia shurtleffii</i> Scudder
10	Corduliidae	<i>Somatochlora albicincta</i> (Burmeister)
11	Corduliidae	<i>Somatochlora cingulata</i> (Selys)
12	Corduliidae	<i>Somatochlora hudsonica</i> (Selys)
13	Corduliidae	<i>Somatochlora semicircularis</i> (Selys)
14	Corduliidae	<i>Sympetrum internum</i> Mont.
15	Lestidae	<i>Lestes unguiculatus</i> (Hagen)
16	Libellulidae	<i>Leucorrhinia hudsonica</i> (Selys)
17	Libellulidae	<i>Libellula quadrimaculata</i> Linnaeus

#	Family	Species	#	Family	Species
1	Aeshnidae	<i>Aeshna canadensis</i>	19	Corduliidae	<i>Sympetrum costiferum</i>
2	Aeshnidae	<i>Aeshna constricta</i>	20	Corduliidae	<i>Sympetrum danae</i>
3	Aeshnidae	<i>Aeshna interrupta</i>	21	Corduliidae	<i>Sympetrum madidum</i>
4	Aeshnidae	<i>Aeshna sitchensis</i>	22	Corduliidae	<i>Sympetrum obtusum</i>
5	Aeshnidae	<i>Aeshna subarctica</i>	23	Corduliidae	<i>Sympetrum pallipes</i>
6	Aeshnidae	<i>Aeshna tuberculifera</i>	24	Gomphidae	<i>Ophiogomphus colubrinus</i>
7	Aeshnidae	<i>Aeshna umbrosa</i>	25	Gomphidae	<i>Ophiogomphus severus</i>
8	Coenagrionidae	<i>Enallagma cyathigerum</i>	26	Lestidae	<i>Lestes congener</i>
9	Coenagrionidae	<i>Enallagma ebrium</i>	27	Lestidae	<i>Lestes disjunctus</i>
10	Coenagrionidae	<i>Ischnura cervula</i>	28	Lestidae	<i>Lestes dryas</i>
11	Coenagrionidae	<i>Nehalennia irene</i>	29	Lestidae	<i>Lestes forcipatus</i>
12	Corduliidae	<i>Somatochlora forcipata</i>	30	Libellulidae	<i>Leucorrhinia borealis</i>
13	Corduliidae	<i>Somatochlora franklini</i>	31	Libellulidae	<i>Leucorrhinia glacialis</i>
14	Corduliidae	<i>Somatochlora kennedyi</i>	32	Libellulidae	<i>Leucorrhinia intacta</i>
15	Corduliidae	<i>Somatochlora minor</i>	33	Libellulidae	<i>Leucorrhinia patricia</i>
16	Corduliidae	<i>Somatochlora walshii</i>	34	Libellulidae	<i>Leucorrhinia proxima</i>
17	Corduliidae	<i>Somatochlora whitehousei</i>	35	Libellulidae	<i>Libellula julia</i>
18	Corduliidae	<i>Sympetrum corruptum</i>			

## SPECIES NOTES

Notes for some of the confirmed species are presented in the following:

***Aeshna palmata***: This common species is restricted to the Rocky Mountains and Foothills Natural Regions of Alberta. Two specimens were collected in the park at site 11, the 'fuel cache' area at Jack Pine Lake.

***Aeshna septentrionalis***: This rare species is found in Alberta and only occurs in the mountains. This is an S1-ranked species having only been documented in two other localities near Banff. An additional population was discovered in the "Rim Ridge Fen" of Kakwa Wildland Park in 2006. In 2007 a single specimen was collected at site 9 in Willmore Wilderness Park. This site was an open sedge meadow along the edge of a small low elevation lake.

***Enallagma hageni***: This common species is usually found in the Boreal Forest Natural Region. The discovery of this species within the mountains suggests that it can exist in other areas besides the boreal forest. In the mountains it appears to be restricted to low elevation peatlands surrounding subalpine lakes. In Willmore, eight specimens were collected from the sedge-covered shorelines of three small lakes at sites 9, 10, 11, and 17.

***Somatochlora cingulata***: Five specimens were collected from two different lakes within the park – at sites 9 and 11. At these lakes, adults were observed patrolling only those areas that lacked extensive shoreline vegetation. They often flew at great speed at about two to four metres from the shoreline which made them difficult to collect. They were by far the fastest cruising *Somatochlora* species encountered on this survey. Once startled, adults flew out over the open water of the lake and cruised away from shore. This seemed unusual behavior considering that the other *Somatochlora* species encountered in the area often flew out and then returned quickly to the shoreline. Another interesting behavioural observation was that *S. cingulata* and *S. albicincta* tended to avoid each other's preferred habitats, *albicincta* preferring areas of the shoreline that had extensive vegetation while *cingulata* preferred just the opposite. The specimens of *S. cingulata* collected at Willmore represent the sixth documented record for the species in Alberta. There is another probable record for this species in Alberta, this being from Fidler Greywillow WP located in the Canadian Shield Natural Region. This record is based on a photograph taken during a survey of that park in 2001. The distribution map for this species as illustrated on the "Odonata Central Distribution Viewer" website (Abbott 2007) shows this species occurs across Canada in both the Rocky Mountains and Canadian Shield Natural Regions.

***Libellula quadrimaculata*** – A common species found throughout the Boreal Forest, Foothills and Rocky Mountains Natural Regions of Alberta. No specimens were collected in Willmore Wilderness Park but one was observed beside a small peatland pool at site 6.

## **ACKNOWLEDGEMENTS**

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Appendix 1. List of species found in Willmore Wilderness Park																									
						Collection Sites																			
S-Rank	G-Rank	Abn.*	Sp. No.	Family	Genus species subspecies	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	TT	
<b>Suborder Anisoptera (dragonflies)</b>																									
S5	G5	C	1	Aeshnidae	<i>Aeshna eremita</i> Scudder									1										1	
S1	G5	R	2	Aeshnidae	<i>Aeshna septentrionalis</i> Burmeister									1										1	
S5	G5	A	3	Aeshnidae	<i>Aeshna juncea</i> (Linnaeus)							1				2				1				4	
S4	G5	C	4	Aeshnidae	<i>Aeshna palmata</i> Hagen											2								2	
S5	G5	A	5	Libellulidae	<i>Libellula quadrimaculata</i> Linnaeus																			0	
S5	G5	A	6	Libellulidae	<i>Leucorrhinia hudsonica</i> (Selys)							12				2								14	
S5	S5	A	7	Libellulidae	<i>Sympetrum internum</i> Mont.				1	1		7	1				5	1	1					17	
S5	G5	A	8	Corduliidae	<i>Cordulia shurtleffii</i> Scudder											1								1	
S2	G5	U	9	Corduliidae	<i>Somatochlora albicincta</i> (Burmeister)							4		2	7	6						2		21	
S2S4	G5	U	10	Corduliidae	<i>Somatochlora cingulata</i> (Selys)									4		1								5	
S3	G5	C	11	Corduliidae	<i>Somatochlora hudsonica</i> (Selys)															7		4		11	
S3S4	G5	U	12	Corduliidae	<i>Somatochlora semicircularis</i> (Selys)	3						7					3			1	2	2	8	26	
<b>Subtotal</b>						3	0	0	1	1	0	31	1	8	7	14	8	1	1	9	2	8	8	103	
<b>Suborder Zygoptera (damselflies)</b>																									
S5	G5	A	13	Lestidae	<i>Lestes unguiculatus</i> (Hagen)		1	2		2	18	1	1		4	2	5	5	1		2	1		45	
S4	G3	A	14	Coenagrionidae	<i>Coenagrion resolutum</i> (Selys)							3								1		5		9	
S5	G5	C	15	Coenagrionidae	<i>Coenagrion interrogatum</i> (Selys)							1												1	
S4	G4	A	16	Coenagrionidae	<i>Enallagma boreale</i> (Selys)								3	1	7					1		6		18	
S3	G5	C	17	Coenagrionidae	<i>Enallagma hageni</i> (Wlsh.)								1	3	1							3		8	
<b>Subtotal</b>						0	1	2	0	2	18	5	1	4	8	10	5	5	1	2	2	15	0	81	
<b>Column Totals</b>						3	1	2	1	3	18	36	2	12	15	24	13	6	2	11	4	23	8		
<b>Final Total</b>						184																		184	

\* A = abundant, C = common, U = uncommon, R = rare

Appendix 2. Complete data for specimens collected in Willmore Wilderness Park.

Family	NA#	Genus species subspecies	Date	Locality	Site #	Dec. Lat.	Dec. Long.	Collector	Sex	Life Stage
Corduliidae	333	Somatochlora semicircularis (Selys)	17-Jul-07	Meadowland Creek	1	53.50149	-119.81460	Nordstrom, W.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	17-Jul-07	Meadowland Creek	1	53.50149	-119.81460	Nordstrom, W.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	17-Jul-07	Meadowland Creek	1	53.50149	-119.81460	Nordstrom, W.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	15-Jul-07	Mount Pauline	2	53.50531	-119.86683	Nordstrom, W.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Meadowland Creek	3	53.51071	-119.79997	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Meadowland Creek	3	53.51071	-119.79997	Macaulay, D.; Hilchie, G.	female	Adult
Libellulidae	429	Sympetrum internum Mont.	15-Jul-07	Pauline Creek headwaters	4	53.51093	-119.86476	Nordstrom, W.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	21-Jul-07	Resthaven Complex overlooking Jackpine River	5	53.54412	-119.50776	Hilchie, G.; Macaulay, D.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	21-Jul-07	Resthaven Complex overlooking Jackpine River	5	53.54412	-119.50776	Hilchie, G.; Macaulay, D.	male	Adult
Libellulidae	429	Sympetrum internum Mont.	21-Jul-07	Resthaven Complex overlooking Jackpine River	5	53.54412	-119.50776	Hilchie, G.; Macaulay, D.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.56869	-119.70144	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.56869	-119.70144	Macaulay, D.; Hilchie, G.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.56869	-119.70144	Macaulay, D.; Hilchie, G.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.56869	-119.70144	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.56869	-119.70144	Macaulay, D.; Hilchie, G.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.56869	-119.70144	Macaulay, D.; Hilchie, G.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.56869	-119.70144	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.57173	-119.70179	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.57173	-119.70179	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.57173	-119.70179	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.57173	-119.70179	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.57173	-119.70179	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.57173	-119.70179	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.57173	-119.70179	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.57173	-119.70179	Hilchie, G.; Macaulay, D.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.57173	-119.70179	Hilchie, G.; Macaulay, D.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	19-Jul-07	Wet meadow near Beaverdam Creek	6	53.57173	-119.70179	Hilchie, G.; Macaulay, D.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Hilchie, G.; Macaulay, D.	male	Adult
Coenagrionidae	71	Coenagrion interrogatum (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	72	Coenagrion resolutum (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	72	Coenagrion resolutum (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	72	Coenagrion resolutum (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Aeshnidae	140	Aeshna juncea (Linnaeus)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	11-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult

Family	NA#	Genus species subspecies	Date	Locality	Site #	Dec. Lat.	Dec. Long.	Collector	Sex	Life Stage
Corduliidae	333	Somatochlora semicircularis (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	female	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Hilchie, G.; Macaulay, D.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	11-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	11-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	11-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	11-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	11-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	female	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	11-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	11-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	11-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	11-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	428	Sympetrum internum Mont.	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	428	Sympetrum internum Mont.	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	428	Sympetrum internum Mont.	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	429	Sympetrum internum Mont.	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Hilchie, G.; Macaulay, D.	male	Adult
Libellulidae	429	Sympetrum internum Mont.	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Hilchie, G.; Macaulay, D.	male	Adult
Libellulidae	429	Sympetrum internum Mont.	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Hilchie, G.; Macaulay, D.	male	Adult
Libellulidae	429	Sympetrum internum Mont.	18-Jul-07	Beaverdam Creek Pass	7	53.57887	-119.88444	Hilchie, G.; Macaulay, D.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	18-Jul-07	Resthaven Complex	8	53.61700	-119.39378	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	428	Sympetrum internum Mont.	18-Jul-07	Resthaven Complex	8	53.61700	-119.39378	Macaulay, D.; Hilchie, G.	female	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Hilchie, G.; Macaulay, D.	female	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Hilchie, G.; Macaulay, D.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Hilchie, G.; Macaulay, D.	male	Adult
Coenagrionidae	93	Enallagma hageni (Wlsh.)	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Hilchie, G.; Macaulay, D.	male	Adult
Aeshnidae	138	Aeshna eremita Scudder	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Macaulay, D.; Hilchie, G.	male	Adult
Aeshnidae	143	Aeshna septentrionalis Burmeister	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Hilchie, G.; Macaulay, D.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Hilchie, G.; Macaulay, D.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Hilchie, G.; Macaulay, D.	male	Adult
Corduliidae	316	Somatochlora cingulata (Selys)	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	316	Somatochlora cingulata (Selys)	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	316	Somatochlora cingulata (Selys)	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	316	Somatochlora cingulata (Selys)	21-Jul-07	Small lake near Smoky River	9	53.62875	-119.45701	Hilchie, G.; Macaulay, D.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	male	Adult

Family	NA#	Genus species subspecies	Date	Locality	Site #	Dec. Lat.	Dec. Long.	Collector	Sex	Life Stage
Lestidae	25	Lestes unguiculatus (Hagen)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	93	Enallagma hageni (Wlsh.)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	93	Enallagma hageni (Wlsh.)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	93	Enallagma hageni (Wlsh.)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	female	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	female	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	21-Jul-07	Small lake near Smoky River	10	53.62972	-119.45205	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	female	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Hilchie, G.; Macaulay, D.	male	Adult
Coenagrionidae	93	Enallagma hageni (Wlsh.)	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Aeshnidae	140	Aeshna juncea (Linnaeus)	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Aeshnidae	140	Aeshna juncea (Linnaeus)	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Hilchie, G.; Macaulay, D.	male	Adult
Aeshnidae	141	Aeshna palmata Hagen	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Hilchie, G.; Macaulay, D.	male	Adult
Aeshnidae	141	Aeshna palmata Hagen	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Hilchie, G.; Macaulay, D.	male	Adult
Corduliidae	291	Cordulia shurtleffii Scudder	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Hilchie, G.; Macaulay, D.	male	Adult
Corduliidae	316	Somatochlora cingulata (Selys)	18-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	379	Leucorrhinia hudsonica (Selys)	11-Jul-07	Jack Pine Lake, 'fuel cache'	11	53.68719	-119.47750	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	20-Jul-07	Fetherstonhaugh Creek	12	53.73046	-119.85036	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	20-Jul-07	Fetherstonhaugh Creek	12	53.73046	-119.85036	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	20-Jul-07	Fetherstonhaugh Creek	12	53.73046	-119.85036	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	20-Jul-07	Fetherstonhaugh Creek	12	53.73046	-119.85036	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	12-Jul-07	Fetherstonhaugh Creek	12	53.73046	-119.85036	Macaulay, D.; Hilchie, G.	female	Adult

Family	NA#	Genus species subspecies	Date	Locality	Site #	Dec. Lat.	Dec. Long.	Collector	Sex	Life Stage
Corduliidae	333	Somatochlora semicircularis (Selys)	12-Jul-07	Fetherstonhaugh Creek	12	53.73046	-119.85036	Macaulay, D.; Hilchie, G.	female	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	20-Jul-07	Fetherstonhaugh Creek	12	53.73046	-119.85036	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	428	Sympetrum internum Mont.	20-Jul-07	Fetherstonhaugh Creek	12	53.73046	-119.85036	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	428	Sympetrum internum Mont.	20-Jul-07	Fetherstonhaugh Creek	12	53.73046	-119.85036	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	429	Sympetrum internum Mont.	20-Jul-07	Fetherstonhaugh Creek	12	53.73046	-119.85036	Macaulay, D.; Hilchie, G.	female	Adult
Libellulidae	429	Sympetrum internum Mont.	20-Jul-07	Fetherstonhaugh Creek	12	53.73046	-119.85036	Macaulay, D.; Hilchie, G.	female	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	20-Jul-07	Fetherstonhaugh Creek	12	53.73063	-119.84988	Hilchie, G.; Macaulay, D.	male	Adult
Libellulidae	429	Sympetrum internum Mont.	20-Jul-07	Fetherstonhaugh Creek	12	53.73063	-119.84988	Hilchie, G.; Macaulay, D.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	20-Jul-07	Casket Creek headwaters	13	53.80087	-119.92339	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	20-Jul-07	Casket Creek headwaters	13	53.80087	-119.92339	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	20-Jul-07	Casket Creek headwaters	13	53.80087	-119.92339	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	20-Jul-07	Casket Creek headwaters	13	53.80087	-119.92339	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	20-Jul-07	Casket Creek headwaters	13	53.80087	-119.92339	Macaulay, D.; Hilchie, G.	male	Adult
Libellulidae	429	Sympetrum internum Mont.	20-Jul-07	Casket Creek headwaters	13	53.80087	-119.92339	Hilchie, G.; Macaulay, D.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	15-Jul-07	Casket Mountain	14	53.80700	-119.94900	Henderson, D.; McCabe, J.	female	Adult
Libellulidae	429	Sympetrum internum Mont.	15-Jul-07	Casket Mountain	14	53.80700	-119.94900	Gould, J.	male	Adult
Coenagrionidae	72	Coenagrion resolutum (Selys)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Aeshnidae	140	Aeshna juncea (Linnaeus)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	16-Jul-07	Dry Canyon Lakes	15	53.81378	-119.56087	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	16-Jul-07	Marl Lake near Sheep Creek	16	53.85759	-119.63367	Hilchie, G.; Macaulay, D.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	16-Jul-07	Marl Lake near Sheep Creek	16	53.85759	-119.63367	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	16-Jul-07	Marl Lake near Sheep Creek	16	53.85759	-119.63367	Hilchie, G.; Macaulay, D.	female	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	16-Jul-07	Marl Lake near Sheep Creek	16	53.85759	-119.63367	Macaulay, D.; Hilchie, G.	male	Adult
Lestidae	25	Lestes unguiculatus (Hagen)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Hilchie, G.; Macaulay, D.	female	Adult
Coenagrionidae	72	Coenagrion resolutum (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	72	Coenagrion resolutum (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	72	Coenagrion resolutum (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	72	Coenagrion resolutum (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	72	Coenagrion resolutum (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	female	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	female	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult

Family	NA#	Genus species subspecies	Date	Locality	Site #	Dec. Lat.	Dec. Long.	Collector	Sex	Life Stage
Coenagrionidae	77	Enallagma boreale (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Hilchie, G.; Macaulay, D.	male	Adult
Coenagrionidae	77	Enallagma boreale (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Hilchie, G.; Macaulay, D.	female	Adult
Coenagrionidae	93	Enallagma hageni (Wlsh.)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Coenagrionidae	93	Enallagma hageni (Wlsh.)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Hilchie, G.; Macaulay, D.	male	Adult
Coenagrionidae	93	Enallagma hageni (Wlsh.)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Hilchie, G.; Macaulay, D.	male	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	female	Adult
Corduliidae	313	Somatochlora albicincta (Burmeister)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Hilchie, G.; Macaulay, D.	male	Adult
Corduliidae	324	Somatochlora hudsonica (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	16-Jul-07	Lake near Sheep Creek	17	53.86211	-119.62528	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	12-Jul-07	Cote Creek	18	53.86396	-119.80602	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	12-Jul-07	Cote Creek	18	53.86396	-119.80602	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	12-Jul-07	Cote Creek	18	53.86396	-119.80602	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	12-Jul-07	Cote Creek	18	53.86396	-119.80602	Macaulay, D.; Hilchie, G.	female	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	12-Jul-07	Cote Creek	18	53.86396	-119.80602	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	13-Jul-07	Cote Creek	18	53.86396	-119.80602	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	13-Jul-07	Cote Creek	18	53.86396	-119.80602	Macaulay, D.; Hilchie, G.	male	Adult
Corduliidae	333	Somatochlora semicircularis (Selys)	13-Jul-07	Cote Creek	18	53.86396	-119.80602	Macaulay, D.; Hilchie, G.	male	Adult