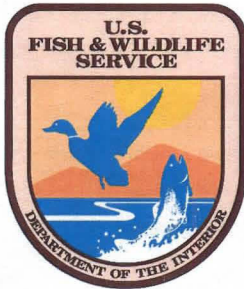
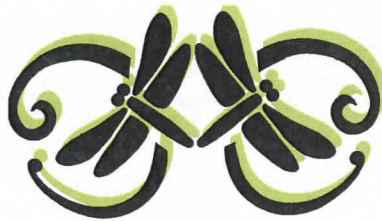


Canaan Valley National Wildlife Refuge



Common Dragonflies and Damselflies



The Canaan Valley NWR is cooperating with the West Virginia Division of Natural Resources, Natural Heritage Program to inventory dragonflies and damselflies in an effort to monitor wetlands in the State of West Virginia. Because these insects spend much of their life under water as a larvae and hunting and breeding in wetlands as adults, they can be good indicators of wetland quality and quantity. Describing dragonfly and damselfly species in Canaan Valley will create a baseline for future comparison and help monitor wetlands that the Refuge was established to protect.

As of September 2006, 40 species of dragonflies and damselflies have been documented from the refuge. This brochure contains photographs of some of the most common species found.



Damselflies

Eastern Red Damsel (*Amphiagrion saucium*)

Canaan Valley N.W.R. Location(s) to Date:

Beall Tract - Blackwater River Site

Male



Female



Ebony Jewelwing (*Calopteryx maculate*)

Canaan Valley N.W.R. Location(s) to Date:

Freeland Beaver Pond



Male



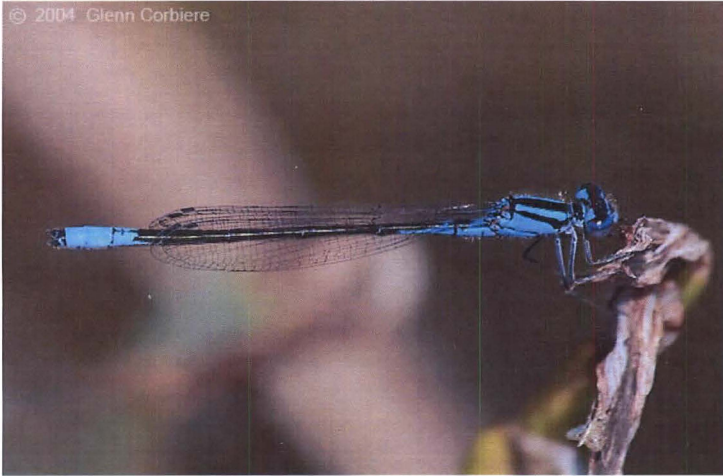
Female

Azure Bluet (*Enallagma aspersum*)

Canaan Valley N.W.R. Location(s) to Date:

Beall Tract - Beall Farm Pond

© 2004 Glenn Corbiere



Male

© 2004 Glenn Corbiere



Female

Hagen's Bluet (*Enallagma hageni*)

Canaan Valley N.W.R. Location(s) to Date:

Freeland Beaver Pond



Male

Eastern Forktail (*Ischnura verticalis*)

Canaan Valley N.W.R. Location(s) to Date:

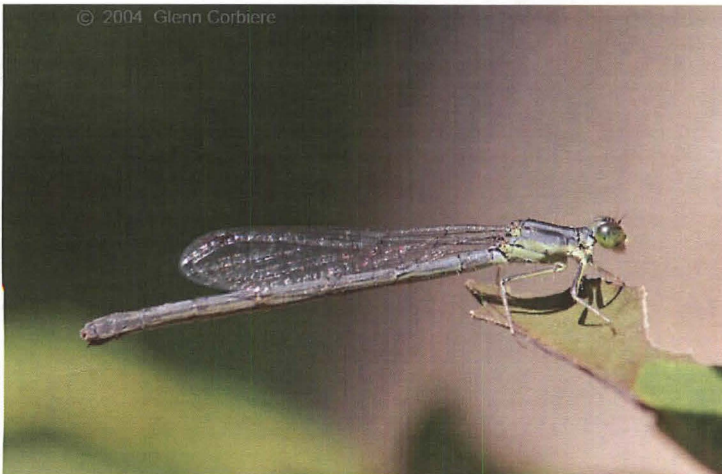
Freeland Beaver Pond

Beall Tract - Blackwater River Site

Beall Tract - Beall Farm Pond



Male



Female (Blue Form)

Southern Spreadwing
(*Lestes disjunctus australis*)

Canaan Valley N.W.R. Location(s) to Date:

Beall Tract - Beall Farm Pond



MALE

Male



FEMALE

Female

Slender Spreadwing (*Lestes rectangularis*)

Canaan Valley N.W.R. Location(s) to Date:

Beall Tract - Beall Farm Pond



Male



Female

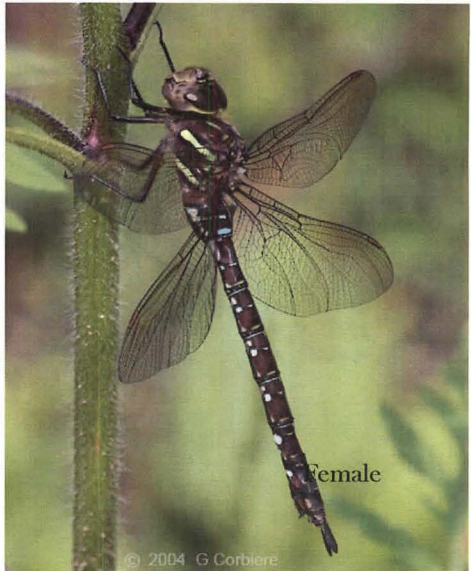
Dragonflies



Shadow Darner (*Aeshna umbrosa*)

Canaan Valley N.W.R.
Location(s) to Date:

Freeland Beaver Pond



Male



Common Green Darner (*Anax junius*)

Canaan Valley N.W.R. Location(s) to Date:

Freeland Beaver Pond

Beall Tract - Beall Farm Pond

Male

© 2002 Glenn Corbiere



Female



© 2004 Glenn Corbiere

Unicorn Clubtail (*Arigomphus villosipes*)

Canaan Valley N.W.R. Location(s) to Date:

Freeland Beaver Pond

Beall Tract - Blackwater River Site

Male

© 2003 Glenn Corbiere



Twin-spotted Spiketail (*Cordulegaster maculata*)

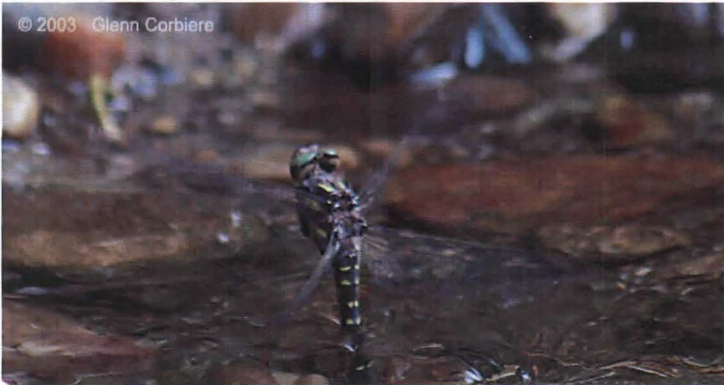
Canaan Valley N.W.R. Location(s) to Date:

North End - Off A Frame Road

Male



Female (ovipositing)



Dot-tailed Whiteface – (*Leucorrhinia intacta*)

Canaan Valley N.W.R. Location(s) to Date:

Beall Tract – Beall Farm Pond

Male



Female



Common Whitetail (*Libellula lydia*)

Canaan Valley N.W.R. Location(s) to Date:

Beall Tract - Beall Farm Pond

Male



Female



Twelve-spotted Skimmer (*Libellula pulchella*)

Canaan Valley N.W.R. Location(s) to Date:

Freeland Beaver Pond
Beall Tract - Blackwater River



© 2002 Glenn Corbiere Male



© 2003 Glenn Corbiere

Female

Blue Dasher (*Pachydiplax longipennis*)

Canaan Valley N.W.R. Location(s) to Date:

Beall Tract - Beall Farm Pond



Male



Female

White-faced Meadowhawk
(*Sympetrum obtrusum*)

Canaan Valley N.W.R. Location(s) to Date:

Freeland Beaver Pond

Beall Tract - Beall Farm Pond



Canaan Valley National Wildlife Refuge

Common Dragonflies and Damselflies



Damselflies

Common Name

Scientific Name

Broad-winged Damsels

Family Calopterygidae

Ebony Jewelwing

Calopteryx maculata

Spreadwings

Family Lestidae

Common Spreadwing

Lestes disjunctus

Southern Spreadwing

Lestes d.australis

Slender Spreadwing

Lestes rectangularis

Pond Damsels

Family Coenagrionidae

Eastern Red Damselfly

Amphiagrion saucium

Aurora Damsel

Chromagrion conditum

Azure Bluet

Enallagma aspersum

Familiar Bluet

Enallagma civile

Hagen's Bluet

Enallagma hageni

Fragile Forktail

Ischnura posita

Eastern Forktail

Ischnura veritcalis

Sedge Sprite

Nehalennia irene

Dragonflies

Darners

Family Aeshnidae

Shadow Darner

Aeshna umbrosa

Common Green Darner

Anax junius

Comet Darner

Anax longipes

Clubtails

Family Gomphidae

Unicorn Clubtail

Arigomphus villosipes

Ashy Clubtail

Gomphus lividus

Dragonhunter

Hagenius brevistylus

Dragonflies – Cont'd

Spiketails

Brown Spiketail

Delta-spotted Spiketail

Twin-spotted Spiketail

Cruisers

Stream Cruiser

Emeralds

American Emerald

Common Baskettail

Skimmers

Calico Pennant

Eastern Pondhawk

Hudsonian Whiteface

Dot-tailed Whiteface

Chalk-fronted Corporal

Spangled Skimmer

Common Whitetail

Widow Skimmer

Twelve-spotted Skimmer

Painted Skimmer

Blue Dasher

White-faced Meadowhawk

Ruby Meadowhawk

Band-winged meadowhawk

Autumn Meadowhawk

Black Saddlebags

Family Cordulegastridae

Cordulegaster

ilineata/diastatops

Cordulegaster diastatops

Cordulegaster maculata

Family Macromiidae

Didymops transversa

Family Corduliidae

Cordulia shurtleffi

Tetragoneuria (Epitheca)

cynosure

Family Libellulidae

Celithemis elisa

Erythemis simplicicollis

Leucorrhinia hudsonica

Leucorrhinia intacta

Ladona julia

Libellula cyanea

Libellula lydia

Libellula luctuosa

Libellula pulchella

Libellula semifasciata

Pachydiplax longipennis

Sympetrum obtrusum

Sympetrum rubicundulum

Sympetrum semicinatum

Sympetrum vicinum

Tramea lacerata

Autumn Meadowhawk (*Sympetrum vicinum*)

Canaan Valley N.W.R. Location(s) to Date:

Beall Tract - Beall Farm Pond

Male



Female



Common Baskettail (*Tetragoneuria cynosure*)

Canaan Valley
N.W.R. Location(s)
to Date:

Beall Tract -
Blackwater River Site

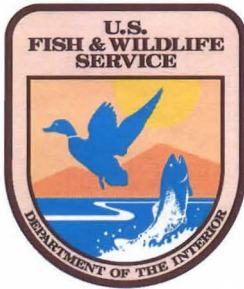
Beall Tract - Beall
Farm Pond



Female



Male



We would like to thank Mr. Glen Cobiere for the use of many of his photographs. More information about the photographs can be obtained at www.dragonhunter.net. We would also like to thank R.A. Behrstock for the use of the White-faced Meadowhawk image.

