

## Butterfly & Odonates Monitoring Data Sheets

Year:	Date:	Recorder(s):			
Site name:				Sky (cloud cover):	
Start time:	End time:	Wind speed:		Temperature:	
Transect start coordinates (lat, long):			Accuracy (m):		
End coordinates (lat, long):			Accuracy (m):		
Habitat Types:			Notable land management (if any):		
<b>Butterflies</b>					
Acadian Hairstreak		Eastern (Mandan) Arctic Skipper		Mourning Cloak	
American Lady		Eastern Comma		Mulberry Wing	
American Snout		Eastern Pine Elfin		Mustard White	
Aphrodite Fritillary		Eastern Tailed Blue		Northern (Spring) Azure	

Appalachian Brown		Edwards' Hairstreak		Northern Broken Dash	
Atlantis Fritillary		European (Essex) Skipper		Northern Cloudywing	
Baltimore Crescent		Eyed Brown		Northern Crescent	
Banded Hairstreak		Eastern Giant Swallowtail		Northern Pearly Eye	
Black Dash		Fiery Skipper		Olympia Marble	
Black Swallowtail		Gray Hairstreak		Orange Sulphur	
Bog Copper		Great Spangled Fritillary		Painted Lady	
Bog Elfin		Green Comma		Pearl Crescent	
Bog Fritillary		Grey Comma		Peck's Skipper	
Broad-winged Skipper		Hackberry Emperor		Pepper and Salt Skipper	
Bronze Copper		Harris's Checkerspot		Pink-edged Sulphur	
Brown Elfin		Harvester		Question Mark	
Cabbage White		Henry's Elfin		Red Admiral	
Canadian Tiger		Hickory Hairstreak		Red Spotted Purple	

Swallowtail					
Chryxus Arctic		Hoary Elfin		Satyr Comma	
Clouded Sulphur		Hobomok Skipper		Silver-bordered Fritillary	
Columbine Duskywing		Indian Skipper		Silver-spotted Skipper	
Common Buckeye		Inornate Ringlet		Silvery Blue	
Common Ringlet		Juniper Hairstreak		Silvery Checkerspot	
Common Roadside Skipper		Jutta Arctic		Small Copper	
Common Sooty Wing		Juvenal's Duskywing		Striped Hairstreak	
Common Wood Nymph		Least Skipper		Summer Azure	
Compton Tortoiseshell		Leonard's Skipper		Tawny Crescent	
Coral Hairstreak		Little Glassywing		Tawny Emperor	
Crossline Skipper		Little Wood Satyr		Tawny-edged Skipper	
Delaware Skipper		Little Yellow		Two-spotted Skipper	

Dion Skipper		Long Dash Skipper		Variegated Fritillary	
Dorcas Copper		Meadow Fritillary		Viceroy	
Dreamy Duskywing		Milbert's Tortoiseshell		West Virginia White	
Dun Skipper		Monarch		White Admiral	
Early Hairstreak		Mottled Duskywing		Wild Indigo Duskywing	
Unknown					

<b>Odonates</b>					
<b>Dragonflies</b>					
American Emerald		Dot-tailed Whiteface		Mustached Clubtail	
Arrowhead Spiketail		Dragonhunter		Ocellated Darner	
Ashy Clubtail		Dusky Clubtail		Ocellated Emerald	
Band-winged Meadowhawk		Eastern Amberwing		Prince Baskettail	
Beaverpond		Eastern Amberwing		Pronghorn Clubtail	

Baskettail					
Belted Whiteface		Eastern Least Clubtail		Racket-tailed Emerald	
Black Meadowhawk		Eastern Pondhawk		Ruby Meadowhawk	
Black Saddlebags		Ebony Boghaunter		Rusty Snaketail	
Black-shouldered Spinyleg		Elfin Skimmer		Saffron-winged Meadowhawk	
Black-tipped Darner		Fawn Darner		Shadow Darner	
Blue Dasher		Four-spotted Skimmer		Ski-tipped Emerald	
Boreal Snaketail		Frosted Whiteface		Slaty Skimmer	
Brush-tipped Emerald		Green Darner		Spiny Baskettail	
Calico Pennant		Halloween Pennant		Springtime Darner	
Canada Darner		Harlequin Darner		Stream Cruiser	
Carolina Saddlebags		Harpoon Clubtail		Stygian Shadowdragon	
Chalk-fronted		Horned Clubtail		Swift River Cruiser	

Corporal					
Cherry-faced Meadowhawk		Hudsonian Whiteface		Twelve-spotted Skimmer	
Clamp-tipped Emerald		Incurvate Emerald		Twin-spotted Spiketail	
Common Baskettail		Kennedy's Emerald		Uhler's Sundragon	
Common Sanddragon		Lake Darner		Unicorn Clubtail	
Common Whitetail		Lance-tipped Darner		White-faced Meadowhawk	
Crimson-ringed Whiteface		Lancet Clubtail		Widow Skimmer	
Cyrano Darner		Lilypad Clubtail		Williamson's Emerald	
Delta-spotted Spiketail		Mottled Darner		Yellow-legged or Autumn Meadowhawk	
Unknown				Zebra Clubtail	

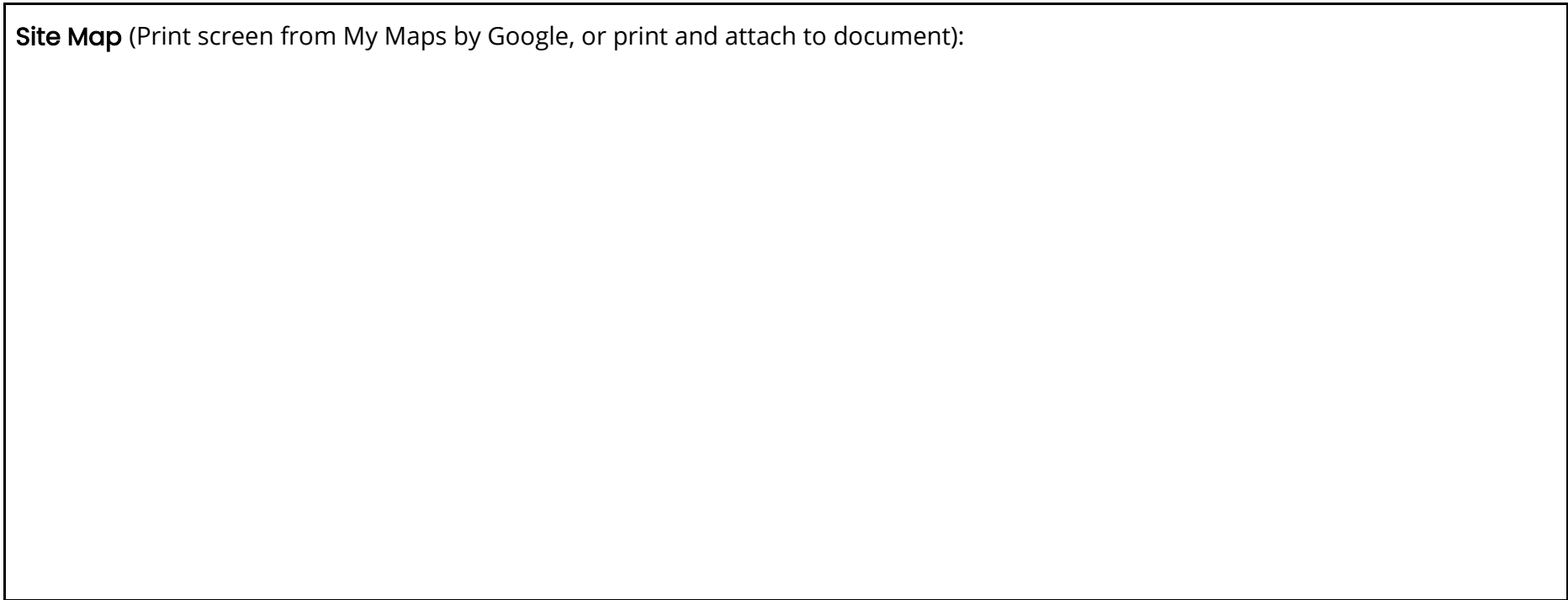
### Damselflies

Amber-winged Spreadwing		Fragile Forktail		Skimming Bluet	
American Rubyspot		Hagen's Bluet		Slender Spreadwing	
Aurora Damsel		Lyre-tipped Spreadwing		Sphagnum Sprite	
Blue-fronted Dancer		Marsh Bluet		Spotted Spreadwing	
Boreal Bluet		Northern Bluet		Stream Bluet	
Eastern Forktail		Northern Spreadwing		Swamp Spreadwing	
Eastern Red Damsel		Orange Bluet		Sweetflag Spreadwing	
Ebony Jewelwing		Powdered Dancer		Taiga Bluet	
Elegant Spreadwing		Rainbow Bluet		Tule Bluet	
Emerald Spreadwing		River Jewelwing		Variable Dancer	
Familiar Bluet		Sedge Sprite		Vesper Bluet	
Unknown					

Approximate abundance of dragonflies or damselflies in swarm (10, 25, 50, 100)

Species	Approximate Abundance

**Site Map** (Print screen from My Maps by Google, or print and attach to document):





Wind Speed (Beaufort Scale):	Sky (Cloud cover):	Habitat Types:	Examples of notable land management:
<p>0 - smoke rises vertically, calm</p> <p>1 - smoke drifts</p> <p>2 - leaves rustle, wind felt on face</p> <p>3 - light branches sway, leaves and twigs move constantly</p> <p>4 - small branches move</p> <p>5 - small trees in leaf begin to sway</p> <p>6 - larger tree branches moving</p> <p><b>*Do not survey in a strong breeze or at a Beaufort Scale of 6 or higher</b></p>	<ul style="list-style-type: none"> <li>- Sunny</li> <li>- Partly cloudy</li> <li>- Overcast</li> </ul>	<ul style="list-style-type: none"> <li>- Forest</li> <li>- Grassland</li> <li>- Residential</li> <li>- Wetland</li> <li>- Pond</li> <li>- Meadow</li> <li>- Lake</li> <li>- River</li> <li>- Stream</li> <li>- Beach</li> <li>- Agricultural</li> <li>- Alvar</li> <li>- Savannah</li> <li>- Other anthropogenic</li> <li>- Other (describe)</li> </ul>	<ul style="list-style-type: none"> <li>- Logged trees</li> <li>- Mown vegetation</li> <li>- Pollinator garden</li> <li>- Other (describe)</li> </ul>