

The 300 Committee BioBlitz was the first BioBlitz in Falmouth, so there is no prior survey against which to measure the numbers of species. We surveyed 19 taxa, some very large, such as plants, and some smaller ones, such as terrestrial mollusks. Organisms found are listed by taxon in the following pages. Many taxa were not surveyed; a few organisms from taxa that were not surveyed were found in the course of the survey. They are listed as "other".

In all, more than 100 volunteers worked on The 300 Committee BioBlitz. It is our hope that this survey will prove interesting and useful, and will contribute to both land protection and knowledge of nature in Falmouth.

Beth Schwarzman, BioBlitz Chair, 2010

**Mammals--taxon leader: John Kelly**

<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>Trophic level</b>	<b>Ecosystem</b>	<b>Comments</b>
White-footed Mouse	Peromyscus	leucopus	herbivore	Grassland, wetland and forest	live-trap
Meadow vole	Microtus	pennsylvanicus	herbivore	Grassland	live-trap
Rabbit	Silvilagus	transitionalis ?	herbivore	Grassland	by sight
Chipmunk	Tamias	strictus	herbivore	Forest	by sound
Skunk	Mephitis	mephitis	primary carnivore	Forest	by sight
Muskrat	Ondatra	zibethicus	herbivore	Pond	by sight
Gray Squirrel	Sciurus	carolinensis	herbivore	Forest	by sight
Coyote	Canus	latrans	primary carnivore	Grassland, wetland and forest	by sound and scat
Opossum	Didelphis	virginiana	onivore, detritivore	Forest	by sight

**Birds--Taxon Leaders: Mary Keleher, Molly Cornell, Mark Kasprzyk**

Family	Genus	Species	Common Name
Anatidae	Anas	platyrhynchos	Mallard
Phalacrocoracidae	Phalacrocorax	auritus	Double-crested Cormorant
Ardeidae	Butorides	striatus	Green Heron
	Ardea	herodias	Great Blue Heron
	Nycticorax	nycticorax	Black-crowned Night Heron
Laridae	Larus	argentatus	Herring Gull
	Larus	marinus	Great Black-backed Gull
	Sterna	hirundo	Common Tern
Columbidae	Zenaida	macroura	Mourning Dove
Accipitridae	Accipiter		Accipiter sp
	Accipiter	striatus	Sharp-shinned Hawk
	Pandion	haliatus	Osprey
Phasianidae	Meleagris	gallopavo	Wild Turkey
Strigidae	Bubo	virginianus	Great Horned Owl
Picidae	Melanerpes	carolinus	Red-bellied Woodpecker
	Picoides	pubescens	Downy Woodpecker
	Picoides	villosus	Hairy Woodpecker
	Colaptes	auratus	Flicker
Tyrannidae	Sayornis	phoebe	Eastern Phoebe
	Myiarchus	crinitus	Great Crested Flycatcher
	Tyrannus	tyrannus	Eastern Kingbird
	Contopus	virens	Wood Pewee
Vireonidae	Vireo	olivaceus	Red-eyed Vireo
	Vireo	gilvus	Warbling Vireo
Corvidae	Cyanocitta	cristata	Blue Jay
	Corvus	brachyrhynchos	American Crow
Hirundinidae	Stelgidopteryx	serripennis	Rough-winged Swallow
	Hirundo	rustica	Barn Swallow
Alcedinidae	Ceryle	alcyon	Belted Kingfisher
	Tachycineta	bicolor	Tree Swallow
Paridae	Parus	atricapillus	Black-capped Chickadee
	Parus	bicolor	Tufted Titmouse
Sittidae	Sitta	canadensis	Red-breasted Nuthatch
	Sitta	carolinensis	White-breasted Nuthatch
Troglodytidae	Thryothorus	ludovicianus	Carolina Wren
	Troglodytes	aedon	House Wren
Muscicapidae	Sialia	sialis	Eastern Bluebird
	Hylocichla	mustelina	Wood Thrush
	Turdus	migratorius	American Robin
Mimidae	Dumetella	carolinensis	Gray Catbird
Sturnidae	Sturnus	vulgaris	European Starling
Bombycillidae	Bombycilla	cedrorum	Cedar Waxwing
Emberizide	Dendroica	petechia	Yellow Warbler
	Dendroica	pinus	Pine Warbler
	Dendroica	discolor	Prairie Warbler
	Seiurus	aurocapillis	Ovenbird

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<b>Family</b>	<b>Genus</b>	<b>Species</b>	<b>Common Name</b>
	Geothlypis	trichas	Common Yellowthroat
	Pipilo	erythrophthalmus	Eastern Towhee
	Spizella	paserina	Chipping Sparrow
	Spizella	pusilla	Field Sparrow
	Melospiza	melodia	Song Sparrow
Cardinalidae	Cardinalis	cardinalis	Northern Cardinal
Icteridae	Agelaius	phoeniceus	Red-winged Blackbird
	Quiscalus	quiscula	Common Grackle
	Molothrus	ater	Brown-headed Cowbird
	Icterus	spurius	Orchard Oriole
	Icterus	galbula	Baltimore Oriole
Fringillidae	Carpodacus	mexicanus	House Finch
	Carduelis	tristis	American Goldfinch
Passeridae	Passer	domesticus	House Sparrow

**Herps--Reptiles and Amphibians--Taxon leader: Ian Ives**

Comon Name	Genus	Species	Trophic level	Ecosystem	Number seen
Garter Snake	Thamnophis	sirtalis sirtalis	primary carnivore	pond	2
Ribbon Snake	Thamnophis	sauritus sauritus	primary carnivore	wetland	1
Ring Neck Snake	Diadophis	punctulatus edwardsi	primary carnivore		
Painted Turtle	Chrysemys	picta picta	primary carnivore	wetland	12
Snapping Turtle	Chelydra	serpentina	primary carnivore	wetland	2
Musk Turtle	Sternotherus	odorata	primary carnivore	pond	1
Red Back Salamander	Plethodon	cinereus	primary carnivore	forest	1
Green Frog	Rana	clamitans melanota	primary carnivore	wetland, pond	39
Bullfrog	Rana	catesbeiana	primary carnivore	wetland	1
Pickerel Frog	Rana	palustris			1

**Fish--Taxon Leader: Robert Golder**

<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>Trophic Level</b>	<b>Ecosystem</b>	<b>Comments</b>
Pumpkinseed Sunfish	Lepomis	Gibbosus	High-level carnivore	pond	
Bluegill Sunfish	Lepomis	macrocluris	High-level carnivore	pond	
Largemouth Bass	Micropterus	salmonoides	High-level carnivore	pond	
Smallmouth Bass	Micropterus	dolomieu	High-level carnivore	pond	
Alewife Herring	Alosa	aestivalis	herbivore	pond	juvenile
Banded Killifish	Fundulus	diaphanus	Primary carnivore	pond	
Swamp Darter	Etheostoma	fusiforme	Primary carnivore	pond	
Chain Pickerel	Esox	niger	High-level carnivore	pond	

**Plants--Taxon leader: Mario DiGregorio**

Family	Genus	Species	Common Name	Trophic Level	Ecosystem Notes & Location
<b>Pteridophytes</b>					
Dennstaedtiaceae	<i>Dennstaedtia</i>	<i>punctilobula</i>	Hay Scented Fern	PP	W F G lots & lots
Dennstaedtiaceae	<i>Pteridium</i>	<i>aquilinum</i>	Bracken Fern	PP	F G lots & lots in drier areas
Dryopteridaceae	<i>Athyrium</i>	<i>filix femina</i>	Lady Fern	PP	F by stream
Dryopteridaceae	<i>Dryopteris</i>	<i>carthusiana</i>	Spinulose Wood Fern	PP	W frond collected, not uncommon
Dryopteridaceae	<i>Dryopteris</i>	<i>intermedia</i>	Evergreen Wood Fern	PP	F frond collected, not uncommon
Dryopteridaceae	<i>Onoclea</i>	<i>sensibilis</i>	Sensitive Fern	PP	W occasional in wet, sunny locations
Equisetaceae	<i>Equisetum</i>	<i>arvense</i>	Common Horsetail	PP	W widespread in cranberry bogs
Lycopodiaceae	<i>Diphasiastrum</i>	<i>digitatum</i>	Ground-cedar	PP	F 2 patches
Lycopodiaceae	<i>Lycopodium</i>	<i>hickeyi</i>	Ground-pine	PP	F east section, multiple locations
Lycopodiaceae	<i>Lycopodium</i>	<i>obscurum</i>	Princess Pine	PP	F multiple locations
Osmundaceae	<i>Osmunda</i>	<i>cinnamomea</i>	Cinnamon Fern	PP	W fairly common
Osmundaceae	<i>Osmunda</i>	<i>regalis</i>	Royal Fern	PP	W only one plant seen
Thelypteridaceae	<i>Thelypteris</i>	<i>noveboracensis</i>	New York Fern	PP	W F numerous locations
Thelypteridaceae	<i>Thelypteris</i>	<i>palustris</i>	Marsh Fern	PP	W common in swamp & bogs
<b>Gymnosperms</b>					
Cupressaceae	<i>Juniperus</i>	<i>virginiana</i>	Red Cedar	PP	F G
Pinaceae	<i>Picea</i>	spp.	Spruces	PP	F
Pinaceae	<i>Pinus</i>	<i>rigida</i>	Pitch Pine	PP	F G
Pinaceae	<i>Pinus</i>	<i>strobus</i>	White Pine	PP	F G
Taxaceae	<i>Taxus</i>	sp.	Yew	PP	F
<b>Monocots</b>					
Commelinaceae	<i>Commelina</i>	COMMUNIS	Dayflower	PP	O roadside
Cyperaceae	<i>Carex</i>	<i>pallescens</i>	Pale or Shiny Green Sedge	PP	W Dupee bog/fen
Cyperaceae	<i>Carex</i>	<i>pennsylvanica</i>	Pennsylvania Sedge	PP	G
Cyperaceae	<i>Carex</i>	<i>scoparia</i>	Broom Sedge	PP	G
Cyperaceae	<i>Carex</i>	sp.1 sheet 20	Sedge	PP	W Dupee bog/fen
Cyperaceae	<i>Carex</i>	cf <i>atlantica</i> sheet 21	Prickly Sedge	PP	W Dupee bog/fen
Cyperaceae	<i>Carex</i>	<i>swanii</i>	Swan's Sedge	PP	G
Cyperaceae	<i>Dulichium</i>	<i>arundinaceum</i>	Threeway Sedge	PP	W Dupee bog/fen
Cyperaceae	<i>Rhynchospora</i>	<i>capitellata</i>	Brown Beak-sedge	PP	W bog margin
Cyperaceae	<i>Scirpus</i>	<i>cyperinus</i>	Wool-grass	PP	W Dupee bog/fen
Iridaceae	<i>Iris</i>	<i>versicolor</i>	Blue Flag	PP	W
Iridaceae	<i>Sisyrinchium</i>	<i>angustifolium</i>	Stout Blue-eyed Grass	PP	G near bank of bog ditch
Juncaceae	<i>Juncus</i>	<i>bufonius</i>	Toad Rush	PP	R moist cartway near pond
Juncaceae	<i>Juncus</i>	<i>effusus</i>	Soft Rush	PP	W G cranberry bog ditch
Juncaceae	<i>Juncus</i>	<i>greenei</i>	Greene's Rush	PP	G
Juncaceae	<i>Juncus</i>	<i>tenuis</i>	Path-rush	PP	G
Juncaceae	<i>Luzula</i>	<i>multiflora</i>	Common Wood-rush	PP	G woodland edge
Liliaceae	<i>Maianthemum</i>	<i>canadense</i>	Canada Mayflower	PP	F G
Orchidaceae	<i>Cypripedium</i>	<i>acaule</i>	Pink Lady's Slipper	PP	F
Orchidaceae	<i>Pogonia</i>	<i>ophioglossoides</i>	Rose Pogonia	PP	W on cranberry bog

**Plants--Taxon leader: Mario DiGregorio**

Family	Genus	Species	Common Name	Trophic	Ecosystem	Notes & Location
Poaceae	<i>Anthoxanthum</i>	<i>ODORATUM</i>	Sweet Vernal grass	PP	G	sunny woodland edge
Poaceae	<i>Calamagrostis</i>	<i>canadensis</i>	Canada Bluejoint	PP	W	cranberry bog edge, pond shore
Poaceae	<i>Dactylis</i>	<i>GLOMERATA</i>	Orchard Grass	PP	G	
Poaceae	<i>Deschampsia</i>	<i>flexuosa</i>	Common Hair-grass	PP	G	sunny woodland edge
Poaceae	<i>Dichantheium</i>	<i>clandestinum</i>	Deer-tongue	PP	G	
Poaceae	<i>Dichantheium</i>	<i>depauperatum</i>	Depauperate Panic-grass	PP	G	
Poaceae	<i>Dichantheium</i>	<i>sp.</i>	Panic-grass	PP	G	
Poaceae	<i>Elytrigia</i>	<i>repens</i>	Quack-grass	PP	G	
Poaceae	<i>Festuca</i>	<i>OVINA</i>	Sheep-fescue	PP	G	
Poaceae	<i>Holcus</i>	<i>LANATUS</i>	Velvet-grass	PP	G	
Poaceae	<i>Phleum</i>	<i>PRATENSE</i>	Timothy	PP	G	
Poaceae	<i>Schizachyrium</i>	<i>scoparium</i>	Little Bluestem	PP	G	
Potamogetonaceae	<i>Potamogeton</i>	<i>sp.</i>	Pondweed	PP	W	cranberry bog ditch
Smilacaceae	<i>Smilax</i>	<i>glauca</i>	Sawbrier	PP	G	
Smilacaceae	<i>Smilax</i>	<i>rotundifolia</i>	Common Greenbrier, Catbrier, Bullbrier	PP	G	
Sparganiaceae	<i>Sparganium</i>	<i>sp. cf. americanum</i>	Bur-reed	PP	W	cranberry bog ditch
Typhaceae	<i>Typha</i>	<i>latifolia</i>	Common Cat-tail	PP	W	

**Dicots**

Aceraceae	<i>Acer</i>	<i>PLATANOIDES*</i>	Norway Maple	PP	F	
Aceraceae	<i>Acer</i>	<i>rubrum</i>	Red Maple	PP	W F	
Anacardiaceae	<i>Rhus</i>	<i>copallinum</i>	Winged Sumac	PP	G	
Anacardiaceae	<i>Rhus</i>	<i>hirta</i>	Staghorn Sumac	PP	G	
Anacardiaceae	<i>Toxicodendron</i>	<i>radicans</i>	Poison-ivy	PP	G	
Aquifoliaceae	<i>Ilex</i>	<i>glabra</i>	Inkberry	PP	W G	roadside
Aquifoliaceae	<i>Ilex</i>	<i>opaca</i>	American Holly	PP	F G	
Aquifoliaceae	<i>Ilex</i>	<i>verticillata</i>	Winterberry	PP	W	woodland edge
Araliaceae	<i>Aralia</i>	<i>nudicaulis</i>	Wild Sarsaparilla	PP	F G	
Asclepiadaceae	<i>Asclepias</i>	<i>incarnata</i>	Swamp-milkweed	PP	G	
Asclepiadaceae	<i>Asclepias</i>	<i>syriaca</i>	Common Milkweed	PP	G	
Asclepiadaceae	<i>Asclepias</i>	<i>tuberosa</i>	Butterfly-weed	PP	G	"Watch List"
Asteraceae	<i>Achillea</i>	<i>millefolium</i>	Yarrow	PP	G	
Asteraceae	<i>Ambrosia</i>	<i>artemisiifolia</i>	Ragweed	PP	G	
Asteraceae	<i>Antennaria</i>	<i>sp.</i>	Pussytoes	PP	G	
Asteraceae	<i>Artemisia</i>	<i>VULGARIS</i>	Common Mugwort	PP	G	
Asteraceae	<i>Bidens</i>	<i>spp.</i>	Beggar-ticks	PP	W O	roadside
Asteraceae	<i>Centaurea</i>	<i>STOEBE</i>	Spotted Knapweed	PP	G	
Asteraceae	<i>Erechtites</i>	<i>hieraciifolia</i>	Pilewort or Fireweed	PP	G	
Asteraceae	<i>Erigeron</i>	<i>annuus</i>	Daisy-fleabane	PP	G	
Asteraceae	<i>Eupatorium</i>	<i>hyssopifolium</i>	Hyssop-leaved Boneset	PP	G	
Asteraceae	<i>Eupatorium</i>	<i>perfoliatum</i>	Boneset	PP	W G	
Asteraceae	<i>Eurybia</i>	<i>divaricata</i>	White Wood-aster	PP	G	
Asteraceae	<i>Euthamia</i>	<i>graminifolia</i>	Grass-leaf Goldenrod	PP	G	
Asteraceae	<i>Euthamia</i>	<i>tenuifolia</i>	Slender-leaf Goldenrod	PP	G	
Asteraceae	<i>Hieracium</i>	<i>sp.</i>	Hawkweed	PP	G	



Plants--Taxon leader: Mario DiGregorio

Family	Genus	Species	Common Name	Trophic	Ecosystem	Notes & Location
Asteraceae	<i>Hypochaeris</i>	<i>RADICATA</i>	Cat's Ear	PP	G	
Asteraceae	<i>Lactuca</i>	<i>canadensis</i>	Yellow Wild Lettuce	PP	G	
Asteraceae	<i>Lactuca</i>	sp.	Wild Lettuce	PP	G	
Asteraceae	<i>Leucanthemum</i>	<i>VULGARE</i>	Oxeye-daisy	PP	G	
Asteraceae	<i>Mikania</i>	<i>scandens</i>	Climbing Hempweed	PP	W	cranberry bog edge
Asteraceae	<i>Pityopsis</i>	<i>falcata</i>	Sickle-leaved Golden Aster	PP	G	
Asteraceae	<i>Prenanthes</i>	<i>trifoliolata</i>	Rattlesnake-root	PP	F	
Asteraceae	<i>Sericocarpus</i>	<i>asteroides</i>	Toothed White-topped Aster	PP	G	
Asteraceae	<i>Solidago</i>	<i>juncea</i>	Early Goldenrod	PP	G	
Asteraceae	<i>Solidago</i>	<i>odora</i>	Sweet Goldenrod	PP	G	
Asteraceae	<i>Solidago</i>	<i>rugosa</i>	Rough Goldenrod	PP	G	
Asteraceae	<i>Solidago</i>	spp.	Goldenrod	PP	G	
Asteraceae	<i>Sonchus</i>	<i>OLERACEUS</i>	Common Sowthistle	PP	G	
Berberidaceae	<i>Berberis</i>	<i>THUNBERGII*</i>	Japanese Barberry	PP	G	
Betulaceae	<i>Alnus</i>	sp.	Alder	PP	W	Dupee bog/fen
Betulaceae	<i>Betula</i>	<i>populifolia</i>	Gray Birch	PP	G	
Betulaceae	<i>Ostrya</i>	<i>virginiana</i>	Hop-hornbeam	PP	F	woodland edge, seedling in cartway
Brassicaceae	<i>Alliaria</i>	<i>PETIOLATA*</i>	Garlic Mustard	PP	O	moist cartway
Brassicaceae	<i>Sinapis</i>	<i>ARVENSIS</i>	Charlock	PP	G	
Callitrichaceae	<i>Callitriche</i>	cf <i>stagnalis</i>	Water-starwort	PP	W	cranberry bog ditch
Caprifoliaceae	<i>Lonicera</i>	<i>MORROWII*</i>	Morrow's Honeysuckle	PP	G	
Caprifoliaceae	<i>Viburnum</i>	<i>dentatum</i>	Northern Arrowwood	PP	F	
Caprifoliaceae	<i>Viburnum</i>	<i>nudum</i>	Wild Raisin	PP	G	
Caryophyllaceae	<i>Cerastium</i>	<i>FONTANUM</i>	Mouse-ear Chickweed	PP	G	
Celastraceae	<i>Celastrus</i>	<i>ORBICULATA*</i>	Oriental Bittersweet	PP	G	
Celastraceae	<i>Euonymus</i>	<i>ALATA*</i>	Burning Bush	PP	F	
Cistaceae	<i>Helianthemum</i>	<i>bicknellii</i>	Bicknell's Frostweed	PP	G	
Cistaceae	<i>Lechea</i>	<i>minor</i>	Thyme-leaf Pinweed	PP	G	
Clethraceae	<i>Clethra</i>	<i>alnifolia</i>	Sweet Pepperbush	PP	W G	
Clusiaceae	<i>Hypericum</i>	<i>gentianoides</i>	Orange Grass, Pineweed	PP	G	
Clusiaceae	<i>Hypericum</i>	<i>PERFORATUM</i>	Common St. John's-wort	PP	G	
Clusiaceae	<i>Hypericum</i>	sp.	St. John's-wort	PP	W	edge of cranberry bog
Clusiaceae	<i>Triadenum</i>	virginicum	Marsh St. John's-wort	PP	W	Dupee bog/fen
Convolvulaceae	<i>Calystegia</i>	<i>sepium</i>	Wild Morning-glory	PP	G	moist cartway
Cuscutaceae	<i>Cuscuta</i>	sp.	Dodder	other	W	cranberry bog
Droseraceae	<i>Drosera</i>	<i>intermedia</i>	Spatulate-leaved Sundew	PP	W	Dupee bog/fen
Droseraceae	<i>Drosera</i>	<i>rotundifolia</i>	Round-leaved Sundew	PP	W	Dupee bog/fen
Elaeagnaceae	<i>Elaeagnus</i>	<i>UMBELLATA*</i>	Autumn Olive	PP	W	woodland edge
Ericaceae	<i>Chamaedaphne</i>	<i>calyculata</i>	Leatherleaf	PP	W	Dupee bog/fen
Ericaceae	<i>Epigaea</i>	<i>repens</i>	Mayflower, Trailing Arbutus	PP	W	woodland edge

Plants--Taxon leader: Mario DiGregorio

Family	Genus	Species	Common Name	Trophic	Ecosystem	Notes & Location
Ericaceae	<i>Eubotrys</i>	<i>racemosa</i>	Swamp-fetterbush	PP	W	woodland edge
Ericaceae	<i>Gaultheria</i>	<i>procumbens</i>	Wintergreen, Checkerberry	PP	F G	
Ericaceae	<i>Gaylussacia</i>	<i>baccata</i>	Black Huckleberry	PP	F G	
Ericaceae	<i>Gaylussacia</i>	<i>frondosa</i>	Dangleberry	PP	F	
Ericaceae	<i>Kalmia</i>	<i>angustifolia</i>	Sheep Laurel	PP	G	roadside
Ericaceae	<i>Lyonia</i>	<i>ligustrina</i>	Maleberry	PP	F	
Ericaceae	<i>Rhododendron</i>	<i>viscosum</i>	Swamp-azalea	PP	W	
Ericaceae	<i>Rhododendron</i>	sp.	Rhododendron	PP	F	ornamental
Ericaceae	<i>Vaccinium</i>	<i>angustifolium</i>	Low Sweet Blueberry	PP	G	roadside
Ericaceae	<i>Vaccinium</i>	<i>corymbosum</i>	Highbush Blueberry	PP	W F	
Ericaceae	<i>Vaccinium</i>	<i>fuscatum</i>	Black Highbush Blueberry	PP	W	
Ericaceae	<i>Vaccinium</i>	<i>macrocarpon</i>	Large Cranberry	PP	W	
Ericaceae	<i>Vaccinium</i>	<i>pallidum</i>	Early Low Blueberry	PP	G	
Fabaceae	<i>Baptisia</i>	<i>tinctoria</i>	Wild Indigo	PP	G	
Fabaceae	<i>Lespedeza</i>	sp.	Bush-clover	PP	G	
Fabaceae	<i>Medicago</i>	sp.	Burclover	PP	G	
Fabaceae	<i>Robinia</i>	<i>PSEUDOACACIA</i>	Black Locust	PP	G	
Fabaceae	<i>Trifolium</i>	<i>ARVENSE</i>	Rabbit-foot Clover	PP	G	
Fabaceae	<i>Trifolium</i>	<i>PRATENSE</i>	Red Clover	PP	G	
Fabaceae	<i>Trifolium</i>	<i>REPENS</i>	White Clover	PP	G	
Fabaceae	<i>Vicia</i>	<i>CRACCA</i>	Cow Vetch, Tufted Vetch	PP	G	
Fabaceae	<i>Vicia</i>	sp.	Vetch	PP	G	
Fagaceae	<i>Fagus</i>	<i>grandifolia</i>	American Beech	PP	F	
Fagaceae	<i>Quercus</i>	<i>alba</i>	White Oak	PP	F G	
Fagaceae	<i>Quercus</i>	<i>coccinea</i>	Scarlet Oak	PP	F G	
Fagaceae	<i>Quercus</i>	<i>ilicifolia</i>	Scrub-oak, Bear-oak	PP	G	
Fagaceae	<i>Quercus</i>	<i>velutina</i>	Black Oak	PP	F G	
Gentianaceae	<i>Bartonia</i>	<i>virginica</i>	Screw-stem	PP	G	
Juglandaceae	<i>Carya</i>	<i>glabra</i>	Pignut Hickory	PP	F	
Lamiaceae	<i>Prunella</i>	<i>vulgaris</i>	Heal-all, Self-heal	PP	G	roadside
Lamiaceae	<i>Lycopus</i>	sp.	Water-horehound	PP	W	cranberry bog edge
Lauraceae	<i>Sassafras</i>	<i>albidum</i>	Sassafras	PP	F G	
Lemnaceae	<i>Lemna</i>	<i>minor</i>	Duckweed	PP	W	cranberry bog ditch
Lythraceae	<i>Decodon</i>	<i>verticillatus</i>	Swamp Loosestrife, Water-willow	PP	W	
Monotropaceae	<i>Monotropa</i>	<i>uniflora</i>	Indian Pipe	Other	F	
Myricaceae	<i>Comptonia</i>	<i>peregrina</i>	Sweet Fern	PP	G	
Myricaceae	<i>Myrica</i>	<i>pennsylvanica</i>	Bayberry	PP	G	
Nymphaeaceae	<i>Nuphar</i>	<i>variegata</i>	Yellow Water-lily, Spatterdock	PP	P	
Nyssaceae	<i>Nyssa</i>	<i>sylvatica</i>	Tupelo, Black Gum, Beetlebung	PP	W G	
Oxalidaceae	<i>Oxalis</i>	sp.	Wood-sorrel	PP	G	
Oxalidaceae	<i>Oxalis</i>	<i>stricta</i>	Yellow Wood-sorrel	PP	G	
Plantaginaceae	<i>Plantago</i>	<i>LANCEOLATA</i>	Ribgrass, English Plantain	PP	G	

Plants--Taxon leader: Mario DiGregorio

Family	Genus	Species	Common Name	Trophic	Ecosystem	Notes & Location
Plantaginaceae	<i>Plantago</i>	MAJOR	White Man's Foot	PP	G	
Polygonaceae	<i>Persicaria</i>	sp.	Water-smartweed	PP	W	cranberry bog ditch
Polygonaceae	<i>Polygonum</i>	<i>convulvulus</i>	Black Bindweed	PP	O	moist cartway
Polygonaceae	<i>Polygonum</i>	<i>pensylvanicum</i>	Smartweed (Pinkweed)	PP	O	moist cartway
Polygonaceae	<i>Rumex</i>	ACETOSELLA	Sheep-sorrel	PP	G	
Primulaceae	<i>Lysimachia</i>	<i>quadrifolia</i>	Whorled Loosestrife	PP	G	
Primulaceae	<i>Lysimachia</i>	<i>terrestris</i>	Swamp Candles	PP	W	cranberry bog
Primulaceae	<i>Trientalis</i>	<i>borealis</i>	Starflower	PP	F	
Pyrolaceae	<i>Chimaphila</i>	<i>maculata</i>	Spotted Wintergreen, Striped Pipsissewa	PP	F	woodland edge
Rosaceae	<i>Amelanchier</i>	sp.	Shadbush	PP	F G	woodland edge
Rosaceae	<i>Aronia</i>	<i>arbutifolia</i>	Red Chokeberry	PP	F G	
Rosaceae	<i>Fragaria</i>	<i>virginiana</i>	Wild Strawberry	PP	G	
Rosaceae	<i>Potentilla</i>	<i>canadensis</i>	Dwarf Cinquefoil	PP	G	
Rosaceae	<i>Potentilla</i>	<i>recta</i>	Rough Cinqufoil	PP	G	
Rosaceae	<i>Potentilla</i>	<i>simplex</i>	Old Field Cinquefoil	PP	G	
Rosaceae	<i>Prunus</i>	<i>maritima</i>	Beach Plum	PP	G	
Rosaceae	<i>Prunus</i>	<i>serotina</i>	Black Cherry	PP	F G	
Rosaceae	<i>Rosa</i>	<i>carolina</i>	Pasture-rose	PP	G	
Rosaceae	<i>Rosa</i>	MULTIFLORA*	Multiflora Rose	PP	G	
Rosaceae	<i>Rosa</i>	sp.	Rose	PP	F	woodland edge
Rosaceae	<i>Rosa</i>	<i>virginiana</i>	Virginia Rose	PP	G	
Rosaceae	<i>Rubus</i>	<i>allegeniensis</i>	Blackberry	PP	G	
Rosaceae	<i>Rubus</i>	<i>flagellaris</i>	Whip-dewberry	PP	G	
Rosaceae	<i>Rubus</i>	<i>hispidus</i>	Swamp-dewberry	PP	W G	
Rosaceae	<i>Rubus</i>	<i>occidentalis</i>	Black Raspberry, Blackcap	PP	G	
Rosaceae	<i>Spiraea</i>	<i>alba v latifolia</i>	Meadowsweet	PP	W G	
Rosaceae	<i>Spiraea</i>	<i>tomentosa</i>	Steeple-bush, Hardhack	PP	G	
Rubiaceae	<i>Cephalanthus</i>	<i>occidentalis</i>	Buttonbush	PP	W	Dupee bog/fen
Rubiaceae	<i>Galium</i>	<i>aparine</i>	Cleavers	PP	W	cranberry bog
Rubiaceae	<i>Galium</i>	sp.	Bedstraw	PP	G	roadside
Salicaceae	<i>Populus</i>	<i>grandidentata</i>	Big-toothed Aspen	PP	G	
Salicaceae	<i>Salix</i>	spp.	Willow	PP	W	cranberry bog ditch
Scrophulariaceae	<i>Linaria</i>	VULGARIS	Butter-and-eggs	PP	G	
Scrophulariaceae	<i>Melampyrum</i>	<i>lineare</i>	Common Cow-wheat	PP	G	
Scrophulariaceae	<i>Nuttallanthus</i>	<i>canadensis</i>	Blue or Old Field Toadflax	PP	G	
Scrophulariaceae	<i>Penstemon</i>	DIGITALIS	Foxglove Beardtongue	PP	O	moist cartway
Scrophulariaceae	<i>Verbascum</i>	THAPSUS	Common Mullein	PP	O	roadside
Scrophulariaceae	<i>Veronica</i>	OFFICINALIS	Common Speedwell	PP	O	moist cartway
Solanaceae	<i>Solanum</i>	DULCAMARA	Bittersweet/ Climbing Nightshade	PP	G	
Violaceae	<i>Viola</i>	<i>pedata</i>	Bird's Foot Violet	PP	G	
Violaceae	<i>Viola</i>	<i>sagittata</i>	Arrow-leaf Violet	PP	G	
Vitaceae	<i>Ampelopsis</i>	BREVIPEDUNCULATA	Porcelain-berry	PP	G	
Vitaceae	<i>Parthenocissus</i>	<i>quinquefolia</i>	Virginia Creeper, Woodbine	PP	G	
Vitaceae	<i>Vitis</i>	<i>labrusca</i>	Fox-grape	PP	G	

## Terrestrial Mollusks--Slugs and Snails--Taxon Leader: Gary Bernon

Common name	Genus	Species	Trophic level	Ecosystem	Comments
Dusky Slug	Arion	subfuscus	herbivore, detritivore	wetlands, forests, grasslands	exotic
Hedgehog Arion Slug	Arion	intermedius	herbivore, detritivore	grasslands	exotic
Grey Field Slug	Deroceras	reticulatum	herbivore, detritivore	grasslands	exotic--important pest
Meadow Slug	Deroceras	laeve	herbivore, detritivore	grasslands	native
White-lip Garden Snail	Cepaea	hortensis	herbivore	grasslands	native
unkown snail	?	?	herbivore	grasslands	pending

## Bees--taxon leader: Hannah Nadel

Common Name	Genus	Species	Trophic Level	Ecosystem	Comments
Brown-belted Bumble Bee	Bombus	griseocollis	herbivore	wetland and grassland	
Eastern Bumble Bee	Bombus	impatiens	herbivore	wetland and grassland	
Two spotted Bumble Bee	Bombus	bimaculatus	herbivore	wetland and grassland	
Wandering Bumble Bee	Bombus	vagans	herbivore	wetland and grassland	
Confusing Bumble Bee	Bombus	perplexus	herbivore	wetland, forest, grassland	
European Honey Bee	Apis	mellifera	herbivore	wetland and grassland	
a sweat bee	Lasioglossum	species 1	herbivore	wetland, forest, grassland	may be L. foxii
a sweat bee	Lasioglossum	species 2	herbivore	wetland and grassland	
a sweat bee	Lasioglossum	species 3	herbivore	wetland and grassland	
Virescent Green Metallic Bee	Agapstemon	virescens	herbivore	wetland and grassland	
Gold-green Sweat Bee	Augochlorella	aurata	herbivore	wetland and grassland	
a sweat bee	Halictus	ligatus	herbivore	wetland and grassland	
a sweat bee	Halictus	robicundus	herbivore	wetland and grassland	
a leafcutter bee	Hoplitis	truncata	herbivore	grassland	
a leafcutter bee	Megachile	latimanus	herbivore	grassland	on legume by powerline
a leafcutter bee	Megachile	species 1	herbivore	grassland	
an andrenid bee	Andrena	species 1	herbivore	wetland and grassland	
a digger bee	Anthophora	walshii	herbivore	grassland	
a small carpenter bee	Ceratina	species 1			not collected

About three man-hours were spent collecting adults with an aerial net, especially off flowers in open grassy areas around the cranberry bogs and around herbs and shrubs along the power line trail. Another four man-hours were also spent with nets along the forest road and trails by Coonamessett River. Some of the insects were collected from three tent-like traps (intended to intercept flying insects) around the cranberry bogs and the open field between the river and Attamansit Road, while none were collected from ten blue and ten yellow bowl traps placed around the northern cranberry bog. The traps operated for the full 24-hour period.

The collected bees represent roughly 6 to 7% of the species found in Massachusetts, which total around 250 to 300. They include common members of a variety of groups, including bumblebees, honey bees, sweat bees, leafcutter bees, andrenid bees, digger bees, and small carpenter bees. Most nest in the ground but some nest in plant stems or wood. The five bumblebee species caught represent a third of the 15 species found in the state (11 hard-working species and four cuckoo bumblebees that lay their eggs in the nests of others). The European honey bees probably came from hives near Thomas Landers Road. Bees feed mainly on pollen and nectar produced by plants for promotion of pollination, and are important for the reproduction of many plant species.

**Ants--Taxon Leader: Adam Lazarus**

Common name	Genus	Species	Comments
	Amblyopone	pallipes	
	Amblyopone	undiscribed species nr. pallipes	smaller, fights w/pallipes
	Aphaenogaster	rudis	
	Aphaenogaster	species 1	
	Aphaenogaster	species 2	
Carpenter Ant	Camponotus	chromaiodes	
Carpenter Ant	Camponotus	noveboracensis	
Carpenter Ant	Camponotus	pennsylvanicus	
	Camponotus	nearticus var. red and black	
	Camponotus	americanus	
	Crematogaster	lineolata	
	Dolichoderus	species	
	Formica	rufa group species 1	
	Formica	schaufussi	
	Formica	species 1 (red & black small)	
	Formica	fusca group	cryptic species, nesting in wood
	Formica	rufa group species 2	
	Formica	fusca group species 2	
	Formica	fusca	
	Formica	species 2	cryptic
	Lasius	species 1 (midsize yellow brown)	
	Lasius	alienus	
	Lasius	species 2 (small yellow)	
	Lasius	species 3	
	Lasius	species 4	large
	Lasius	species 5	
Lemon Ant	Lasius (Acanthomyops)	claviger	
	Myrmecina	americana	
	Myrmica	americana	
	Myrmica	species 1 (red)	
	Myrmica	species 2 (small americana)	
	Myrmica	species 3	
	Myrmica	species 4	
	Ponera	pennsylvanica	
	Tapinoma	sessile	
	Temnothorax	longispinosus	
	Temnothorax	ambiguus	
	Temnothorax	schaumii	
	Tetramorium	caespitum	

## Dragonflies--Taxon Leb

Common Name	Genus	Species	Trophic level	Ecosystem	Comments
Lancet Clubtail	Gomphus	exilis	primary carnivore	grassland	
Eastern Pondhawk	Erythemis	simplicicollis	primary carnivore	river	
Spangled Skimmer	Libellula	cyanea	primary carnivore	river	
Calico Pennant	Celithemis	elisa	primary carnivore	wetlands and river	
Blue Dasher	Erythrodiplax	longipennis	primary carnivore	wetlands and river	abundant
Slaty Skimmer	Libellula	incesta	primary carnivore	wetlands and river	
Ebony Jewelwing	Calopteryx	maculata	primary carnivore	river, forest	
Elegant Spreadwing	Lestes	inaequalis	primary carnivore	river	
Eastern Forktail	Ischnura	verticalis	primary carnivore	wetlands and river	
Fragile Forktail	Ischnura	posita	primary carnivore	wetlands and river	abundant
Skimming Bluet	Enallagma	geminatum	primary carnivore	wetlands and river	
Black Saddlebags	Tramea	lacerata	primary carnivore	wetlands and river	
Dot-tailed Whiteface	Leucorrhinia	intacta	primary carnivore	wetlands and river	
Variable Dancer	Argia	fumipennis	primary carnivore	forest, river, pond	ssp. violacea
Azure Bluet	Enallagma	aspersum	primary carnivore	forest, river, pond	not collected
Stream Bluet	Enallagma	exulsans	primary carnivore	wetland	
Painted Skimmer	Libellula	semifasciata	primary carnivore	wetland	not collected
Slender Bluet	Enallagma	triviatum	primary carnivore	forest, river, pond	

Adult dragonflies and damselflies were collected during bright daylight hours with aerial insect nets, and two species were identified on the wing. About 12 man-hours were spent collecting around the cranberry bog portion of the Coonamessett River, and four man-hours were spent in the forested part of the river and at the edge of Coonamessett Pond. A half-hour was spent in the field between the river and Attamansit Road. The number of species seen represents nearly a fifth of the 102 species that occur on Cape Cod (Massachusetts is home to 166 species). The majority of dragonflies (generally larger, more robust than damselflies) tended to patrol over the river by the cranberry bogs, while the damselflies were concentrated in the vegetation around the bogs and river. Several Lancet Clubtails were found sitting on the dirt road just east of Hatchville Road. The damselfly species were generally segregated by habitat (forest or open), except the beautiful Ebony Jewelwing, which occurred in both habitats. Dragonflies and damselflies are predators. The aquatic immature stage and the flying adults feed on a wide variety of insects.

I gratefully acknowledge the help of the volunteer dragonfly hunters, Hannah Antell, Nate Furey, Sue Lane, and Mickey Sledge.

**Butterflies--Taxon leader: Alison Robb**

<b>Common Name</b>	<b>Genus</b>	<b>Species</b>	<b>Trophic level</b>	<b>Ecosystem</b>	<b>Notes &amp; Location</b>
Spicebush Swallowtail	Papilio	troilus	herbivore	grassland	powerline right-of-way
Cabbage White	Pieris	rapae	herbivore	grassland	bog
Clouded Sulphur	Colias	philodice	herbivore	grassland	bog-edge
American Copper	Lycaena	phlaeas	herbivore	grassland	bog-edge
Bog Copper	Lycaena	epixanthe	herbivore	wetland	bog at Souza
Mourning Cloak	Nymphalis	antiopa	herbivore	grassland	Biolitz Central
Red Admiral	Vanessa	atalanta	herbivore	grassland	bog-edge
Red-spotted Purple	Limenitis	arthemis astyanax	herbivore	grassland	powerline right-of-way
Silver-spotted Skipper	Epargyreus	clarus	herbivore	grassland	bog-edge
Least Skipper	Ancyloxypha	numitor	herbivore	grassland	bog-edge



## Wasps--Taxon leader Hannah Nadel

Common Name	Family	Genus	species	Trophic level	Ecosystem	Comments
Sandhill Wasp		Dolichorespula	arenaria	herbivore	grassland	
a common sawfly	Tenthredinidae		species	herbivore	forest	
an aphid wasp	Sphecidae		species 1	primary carnivore	wetland, grassland	tribe Pemphredonini
a sand-loving wasp	Sphecidae		species 1	primary carnivore	forest	tribe Larrini
an ichneumon wasp	Ichneumonidae		species 1	primary carnivore	forest	parasitic
an ichneumon wasp	Ichneumonidae		species 2	primary carnivore	grassland	parasitic
an ichneumon wasp	Ichneumonidae		species 3	primary carnivore	grassland	parasitic
an ichneumon wasp	Ichneumonidae		species 4	primary carnivore	grassland	parasitic
an ichneumon wasp	Ichneumonidae		species 5	primary carnivore	grassland	parasitic
a braconid wasp	Braconidae		species 1	primary carnivore	grassland	parasitic
a braconid wasp	Braconidae		species 2	primary carnivore	grassland	parasitic

About three man-hours were spent collecting adults with an aerial net, especially off flowers in open grassy areas around the cranberry bogs and around herbs and shrubs along the power line trail. Another four man-hours were also spent with nets along the forest road and trails by Coonamessett River. Some of the insects were collected from three tent-like traps (intended to intercept flying insects) around the cranberry bogs and the open field between the river and Attamansit Road, while none were collected from ten blue and ten yellow bowl traps placed around the northern cranberry bog. The traps operated for the full 24-hour period.

Surprisingly few wasps were collected, perhaps because my collection methods were geared more toward bees. Wasp species far outnumber bees, and many are parasitic on other insects. I did not attempt to identify the parasitic ichneumon and braconid wasps, as this requires a lot of effort without knowledge of the insect species they parasitize. The trophic levels of the collected groups include only two herbivores, a wood-boring wasp (common sawfly), and the very common sandhill wasp (a small yellowjacket), while the others are either predators or parasites of other insects. Some may be parasites of parasites.

## Beetles--Taxon Leader: Gary Bernon

Common Name	Family	Genus	Species	Trophic level	Ecosystem	Notes and Location
Goldsmith Beetle	Chrysomelidae	Chrysochus	auratus	herbivore	grassland	isolated field
Mottled Tortise Beetle	Chrysomelidae	Deloyala	guttata	herbivore	grassland	isolated field
a leaf beetle	Chrysomelidae	Microhopala	vittata	herbivore	grassland	isolated field
Lady Bird Beetle	Coccinellidae	Cyclomedea	sanguinea	primary carnivore	grassland	isolated field
click beetle	Elateridae	Conoderus	lividus	detritivore	grassland, forest	isolated field
leaf beetle	Chrysomelidae	Galerucella	americana	herbivore	grassland	isolated field
Firefly, Lightning Bug	Lampyridae	Photinus	pyralis	primary carnivore	grassland	isolated field
Tumbling Flower Beetle	Mordellidae	Mordella	atrata	herbivore	grassland	isolated field
Slender Plant Beetle	Languriidae	Accopteroxys	gracilis	herbivore	grassland	isolated field
Lady Beetle	Coccinellidae	Coccinella	novemnotota	primary carnivore	grassland	isolated field
Lady Beetle	Coccinellidae	Harmonia	axyridis	primary carnivore	grassland	
Soldier Beetle	Cantharidae	Podabrus	rugosulus	herbivore	grassland	
Leaf Beetle	Chrysomelidae	Oedionychis	vians	herbivore	grassland	
Sap-feeding Beetle	Nitidulidae	Epuraea	helvola	herbivore	grassland	
Silken Fungus Beetle	Cryptophagidae	Caenoscelis	basalis?	herbivore, detritivore	grassland, forest	
Leaf Beetle	Chrysomelidae	Oedionychis	guerata	herbivore	grassland	
Darkling Beetle	Tenebrionidae	? # 1	?	herbivore	forest	
Metallic Wood-boring Beetle	Buprestidae	?	?	herbivore, detritivore	grassland, forest	
Oriental Beetle	Scarabaeidae	Exomala	orientalis	herbivore, detritivore	grassland, forest	exotic
Metallic Wood-boring Beetle	Buprestidae	? #2	?	herbivore, detritivore		carrion-feeder
Carrion Beetle	Silphidae	Nicrophorus	oribcollis	detritivore		
Snout Beetles	Curculionidae	#1		herbivore		
Snout Beetles	Curculionidae	#2		herbivore		
Snout Beetles	Curculionidae	#3		herbivore		
Snout Beetles	Curculionidae	#4		herbivore		
Snout Beetles	Curculionidae	#5		herbivore		
Snout Beetles	Curculionidae	#6		herbivore		
Snout Beetles	Curculionidae	#7		herbivore		
Ground Beetles	Carabidae	#1		primary carnivore		
Ground Beetles	Carabidae	#2		primary carnivore		
Ground Beetles	Carabidae	#3		primary carnivore		
Ground Beetles	Carabidae	#4		primary carnivore		
Ground Beetles	Carabidae	#5		primary carnivore		
Ground Beetles	Carabidae	#6		primary carnivore		
Long Horned Beetle	Cerambycidae	#1		herbivore		
Rove Beetle	Staphylinidae	#1		primary carnivore		

## Diptera--Mosquitoes and Flies---Taxon Leader: Gabi Sakolsky

### Mosquitoes

Common Name	Genus	Species	Trophic level	Ecosystem	Comments
Eastern Trechole Mosquito	Ochlerotatus	triseriatus	herbivore, carnivore	wetlands	
	Ochlerotatus	cantator	herbivore, carnivore	wetlands	Brackish mosquito
	Ochlerotatus	excrucians	herbivore, carnivore	wetlands	Swamp/freshwater mosquito
	Ochlerotatus	canadensis	herbivore, carnivore	wetlands	Swamp/freshwater mosquito
	Coquilletidia	perturbans	herbivore, carnivore	wetlands	Cattail mosquito
	Culex	restuans	herbivore, carnivore	wetlands	Swamp/freshwater mosquito
	Culiseta	melanura	herbivore, carnivore	wetlands	Swamp/freshwater mosquito

### Flies

Family	Common name	Genus	Species	Trophic level	Ecosystem	Comments
	Black Blow Fly	Phormia	regina	herbivore, detritivore		
Asilidae	Robber Flies			herbivore, carnivore		Malaise traps--adults
Syrphidae	Hover Flies			herbivore		Malaise traps--adults
Tephritidae	Fruit Flies			herbivore		Malaise traps--adults
Dolichopodidae	Longlegged Flies			herbivore, carnivore		Malaise traps--adults
Drosophilidae	Pomace Flies			herbivore, detritivore		Malaise traps--adults
Anthomyiidae	Root-maggot Flies			herbivore		Malaise traps--adults
Sarcophagidae	Flesh Flies			herbivore, carnivore, detritivore		Malaise traps--adults
Sciomyzidae	Marsh Flies			herbivore, carnivore		Malaise traps--adults
Agromyidae	Leaf Miner Flies			herbivore, detritivore		Malaise traps--adults
Muscidae				herbivore, carnivore, detritivore		Malaise traps--adults
Tachinidae				herbivore, carnivore		Malaise traps--adults
Phoridae	Scuttle Flies			herbivore, carnivore, detritivore		Malaise traps--adults

Moths--Taxon Leader: Mark Mello

Falmouth Bioblitz data by station and date

Family	Genus	Species	Notes & Location				Total
			June 26 F4 Mv	26 F1 Uv	26 F2 Uv	26 F3 Uv	
	<b>DREPANIDAE</b>						
	<b>Oretinae</b>						
6255	<i>Oreta rosea</i>				1		1
	<b>GEOMETRIDAE</b>						
	<b>Ennominae</b>						
6273	<i>Speranza</i>	<i>pustularia</i>			1		1
6283	<i>Speranza</i>	<i>sulphurea</i>				1	1
6341	<i>Macaria</i>	<i>bicolorata</i>	1		1		2
6342	<i>Macaria</i>	<i>bisignata</i>			1	1	2
6347	<i>Macaria</i>	<i>pinistrobata</i>				1	1
6352	<i>Macaria</i>	<i>granitata</i>				1	1
6386	<i>Digrammia</i>	<i>ocellinata</i>					0
6449	<i>Glena</i>	<i>cribrataria</i>			1		1
6597	<i>Ectropis</i>	<i>crepuscularia</i>			1	1	2
6598	<i>Protoboarmia</i>	<i>porcelaria</i>				1	1
6654	<i>Hypagyrtis</i>	<i>unipunctata</i>	1		1	1	3
6655	<i>Hypagyrtis</i>	<i>esther</i>			1	1	2
6720	<i>Lytrosis</i>	<i>unitaria</i>	1		1	1	3
6724	<i>Euchlaena</i>	<i>serrata</i>	1				1
6725	<i>Euchlaena</i>	<i>muzaria</i>				1	1
6742	<i>Xanthotype</i>	<i>sospeta</i>	1				1
6755	<i>Pero</i>	<i>morrisonaria</i>			1		1
6796	<i>Campaea</i>	<i>perlata</i>				1	1
6826	<i>Metarranthis</i>	<i>hypochraria</i>	1				1
6827	<i>Metarranthis</i>	<i>refractaria</i>	1				1
6835	<i>Cepphis</i>	<i>armataria</i>			1		1
6941	<i>Eusarca</i>	<i>confusaria</i>				1	1
6965	<i>Eugonobapta</i>	<i>nivosaria</i>			1		1
6974	<i>Patalene</i>	<i>olyzonaria</i>	1			1	2
7009	<i>Nematocampa</i>	<i>resistaria</i>	1			1	2
	<b>Sterrhinae</b>						
7126	<i>Idaea</i>	<i>dimidiata</i>	1		1	1	3
7132	<i>Pleuroprucha</i>	<i>insulsaria</i>					0
7158	<i>Scopula</i>	<i>purata</i>				1	1
7159	<i>Scopula</i>	<i>limboundata</i>	1		1		2
	<b>Larentiinae</b>						
7196	<i>Eulithis</i>	<i>diversilineata</i>	1				1
7206	<i>Eulithis</i>	<i>explanata</i>	1		1	1	3
7414	<i>Orthonama</i>	<i>obstipata</i>	1			1	2
7416	<i>Costaconvexa</i>	<i>centrostrigaria</i>	1		1		2
		<i>spp.</i>	1			1	2
7625	<i>Chloroclystis</i>	<i>rectangulata</i>	1		1		2

## Moths--Taxon Leader: Mark Mello

Flamouth Bioblitz data by station and date

Family	Genus	Species	Notes & Location		
	<b>MIMALLONIDAE</b>				
7659	<i>Lacosoma</i>	<i>chiridota</i>	1		1
	<b>LASIOCAMPIDAE</b>				
	<b>Macromphalinae</b>				
7663	<i>Apatelodes</i>	<i>torrefacta</i>	1	1	2
	<b>Lasiocampinae</b>				
7698	<i>Malacosoma</i>	<i>disstria</i>	1	1	1
7701	<i>Malacosoma</i>	<i>americanum</i>	1		1
	<b>SATURNIIDAE</b>				
	<b>Hemileucinae</b>				
7746	<i>Automeris</i>	<i>io</i>	1		1
	<b>SPHINGIDAE</b>				
	<b>Sphinginae</b>				
7817	<i>Lapara</i>	<i>bombycoides</i>		1	1
	<b>Smerinthinae</b>				
7826	<i>Paonias</i>	<i>astylus</i>	1		1
	<b>Macroglossinae</b>				
7859	<i>Eumorpha</i>	<i>pandorus</i>			0
7884	<i>Darapsa</i>	<i>versicolor</i>		1	1
7885	<i>Darapsa</i>	<i>myron</i>	1		1
	<b>NOTODONTIDAE</b>				
	<b>Phalerinae</b>				
7904	930035 <i>Datana</i>	<i>drexelii</i>	1	1	1
7915	930046 <i>Nadata</i>	<i>gibbosa</i>	1	1	2
	<b>Heterocampinae</b>				
7994	930086 <i>Heterocampa</i>	<i>guttivitta</i>		1	1
8005	930098 <i>Schizura</i>	<i>ipomoeae</i>		1	1
8006	930099 <i>Schizura</i>	<i>badia</i>	1		1
	<b>EREBIDAE</b>				
	<b>Lymantriinae</b>				
8302	930154 <i>Dasysshira</i>	<i>obliquata</i>	1	1	2
8316	930168 <i>Orgyia</i>	<i>leucostigma</i>	1		1
	<b>Arctiinae</b>				
8134	930309 <i>Spilosoma</i>	<i>congrua</i>		1	1
8129	930335 <i>Pyrrharctia</i>	<i>isabella</i>	1	1	2
8203	930360 <i>Halysidota</i>	<i>tessellaris</i>	1	1	1
	<b>Herminiinae</b>				
8322	930469 <i>Idia</i>	<i>americalis</i>	1	1	2
8323	930471 <i>Idia</i>	<i>aemula</i>			0
8329	930477 <i>Idia</i>	<i>diminuendis</i>			0
8341	930490 <i>Zanclognatha</i>	<i>theralis</i>	1	1	1
8345	930492 <i>Zanclognatha</i>	<i>laevigata</i>	1		1
8347	930494 <i>Zanclognatha</i>	<i>obscuripennis</i>		1	1
8349	930496 <i>Zanclognatha</i>	<i>protumnusalis</i>	1	1	2
8353	930499 <i>Zanclognatha</i>	<i>marcidilinea</i> "ochreipennis"	1	1	1
8356	930503 <i>Chytolita</i>	<i>petrealis</i>	1	1	1
	930510 <i>Macrochilo</i>	<i>litophora</i>	1		1
	930513 <i>Phalaenostola</i>	<i>eumelusalis</i>	1		1
8364	930514 <i>Phalaenostola</i>	<i>larentioides</i>		1	1
8370	930520 <i>Bleptina</i>	<i>caradrinalis</i>		1	1
8384.1	930536 <i>Renia</i>	<i>flavipunctalis</i>	1		1
8385.1	930537 <i>Renia</i>	"larvalis" (larger, like <i>salusalis</i> )	1		1
8386	930538 <i>Renia</i>	"adspergillus" (small, plain)	1		1

## Moths--Taxon Leader: Mark Mello

Flamouth Bioblitz data by station and date

Family	Genus	Species	Notes & Location				
8387	930539	<i>Renia</i>	<i>sobrialis</i>	1	1	2	
8393	930547	<i>Lascoria</i>	<i>ambigualis</i>	1		1	
<b>Pangraptinae</b>							
8490	930559	<i>Pangrapta</i>	<i>decoralis</i>	1	1	1	3
8491	930560	<i>Ledaea</i>	<i>perditalis</i>		1		1
<b>Hypeninae</b>							
8442	930562	<i>Hyperna</i>	<i>baltimoralis</i>				0
8465	930588	<i>Hyperna</i>	<i>scabra</i>				0
<b>Phytometrinae</b>							
9038	930730	<i>Hyperstrotia</i>	<i>villificans</i>	1			1
9039	930731	<i>Hyperstrotia</i>	<i>flaviguttata</i>	1			1
<b>Catocalinae</b>							
8738	930923	<i>Caenurgina</i>	<i>crassiuscula</i>	1			1
8727	930961	<i>Parallelia</i>	<i>bistriaris</i>		1		1
8689	931023	<i>Zale</i>	<i>lunata</i>				0
8697	931032	<i>Zale</i>	<i>minerea</i>				0
8699	931034	<i>Zale</i>	<i>obliqua</i>		1	1	2
8717	931053	<i>Zale</i>	<i>horrida</i>	1	1		2
8719	931055	<i>Euparthenos</i>	<i>nubilis</i>				0
9818	931060	<i>Amolita</i>	<i>fessa</i>				0
9821	931063	<i>Amolita</i>	<i>roseola</i>	1			1
8587	931089	<i>Panopoda</i>	<i>rufimargo</i>		1		1
<b>EUTELIIDAE</b>							
8959	931107	<i>Paectes</i>	<i>pygmaea</i>	1			1
<b>NOLIDAE</b>							
<b>Nolinae</b>							
8983.2	931123	<i>Meganola</i>	<i>spodia</i>	1	1		2
<b>NOCTUIDAE</b>							
<b>Eustrotiinae</b>							
9046	931289	<i>Deltote</i>	<i>bellicula</i>			1	1
9047	931290	<i>Protodeltote</i>	<i>muscosula</i>		1		1
9049	931295	<i>Maliattha</i>	<i>synochitis</i>	1	1		2
<b>Pantheinae</b>							
9182	931396	<i>Panthea</i>	<i>furcilla</i>		1		1
<b>Balsinae</b>							
9664	931419	<i>Balsa</i>	<i>labecula</i>		1		1
<b>Acronictinae</b>							
9200	931421	<i>Acronicta</i>	<i>americana</i>				0
9228	931445	<i>Acronicta</i>	<i>hasta</i>		1		1
9243	931463	<i>Acronicta</i>	<i>ovata</i>		1		1
9245	931466	<i>Acronicta</i>	<i>haesitata</i>		1		1
9249	931467	<i>Acronicta</i>	<i>incretata (+ "inclara"</i>		1	1	2
9247	931469	<i>Acronicta</i>	<i>tristis</i>	1			1
9281	931494	<i>Agriopodes</i>	<i>fallax</i>		1		1
9285	931497	<i>Polygrammate</i>	<i>hebraeicum</i>		1		1
9062	931501	<i>Cerma</i>	<i>cerintha</i>				0
<b>Agaristinae</b>							
9299	931964	<i>Eudryas</i>	<i>unio</i>				0
9301	931966	<i>Eudryas</i>	<i>grata</i>	1	1	1	3
<b>Condicinae</b>							
9057	932025	<i>Homophoberia</i>	<i>apicosa</i>			1	1
<b>Noctuinae</b>							
9053	932205	<i>Pseudeustrotia</i>	<i>carneola</i>				0
9618	932208	<i>Phosphila</i>	<i>turbulenta</i>		1		1

Moths--Taxon Leader: Mark Mello

Flamouth Bioblitz data by station and date

Family	Genus	Species	Notes & Location			
9619	932209	<i>Phosphila miseloides</i>	1			1
	932390	<i>Neoligia exhausta</i>				0
	932416	<i>Xylomoia chagnoni</i>	1			1
10462	932966	<i>Leucania pseudargyria</i>	1			1
10587	933138	<i>Orthodes cynica</i>	1			1
11010	933547	<i>Lycophotia phyllophora</i>	1	1		2
11012.2	933551	<i>Noctua pronuba</i>	1			1
	#	Species	56	61	37	102
<b>MICROLEPIDOPTERA</b>						
<b>GRACILLARIIDAE</b>						
595	<i>Caloptila</i>	<i>bimaculatella</i>				0
<b>OECOPHORIDAE</b>						
882	<i>Agonopteryx</i>	<i>robinella</i>	1			1
956	<i>Psilocosis</i>	<i>cryptolechiella</i>	1			1
<b>COLEOPHORIDAE</b>						
	<i>Coleophora</i>	sp.	1			1
<b>GELECHIIDAE</b>						
	<i>Chionodes</i>	sp.	1			1
2295	<i>Trichotaphe</i>	<i>flavocostella</i>	1			1
<b>PLUTELLIDAE</b>						
2375	<i>Ypsolopha</i>	<i>dentella</i>	1			1
<b>COSSIDAE</b>						
2693	<i>Prionoxystus</i>	<i>robiniae</i>	1			1
<b>TORTRICIDAE</b>						
2795	<i>Olethreutes</i>	( <i>tiliarum</i> )	1			1
2837	<i>Olethreutes</i>	<i>astrologana</i>	1	1		2
3208	<i>Notocelia</i>	<i>trimaculana</i>	1			1
	<i>Ancylis</i>	sp. nr. <i>Comptana</i>	1			1
3502	<i>Croesia</i>	<i>albicomana</i>			1	1
3623	<i>Argyrotaenia</i>	<i>quercifoliata</i>	1			1
3624	<i>Argyrotaenia</i>	<i>alisellana</i>		1		1
3688	<i>Ptycholoma</i>	<i>peritana</i>	1			1
3697	<i>Sparganothis</i>	<i>lycopodiana</i>			1	1
3706	<i>Sparganothis</i>	<i>xanthoides</i>	1			1
3732	<i>Platynota</i>	<i>flavedana</i>	1			1
3740	<i>Platynota</i>	<i>idaeusalis</i>			1	1
3783	<i>Carolella</i>	<i>bimaculana</i>	1			1
<b>MEGALOPYGIDAE</b>						
4644	<i>Lagoa</i>	<i>crispata</i>				0
<b>LIMACODIDAE</b>						
4654	<i>Tortricidia</i>	<i>flexuosa</i>		1		1
4661	<i>Packardia</i>	<i>elegans</i>	1			1
4665	<i>Lithacodes</i>	<i>fasciola</i>	1			1
4669	<i>Apoda</i>	<i>biguttata</i>		1		1
4681	<i>Isa</i>	<i>textula</i>				0
4685	<i>Adoneta</i>	<i>spinuloides</i>	1			1
4697	<i>Euclea</i>	<i>delphinii</i>	1			1
<b>PYRALIDAE</b>						
4716	<i>Scoparia</i>	<i>biplagiialis</i>		1		1
4748	<i>Munroessa</i>	<i>icciusalis</i>			1	1
4751	<i>Munroessa</i>	<i>gyralis</i>			1	1
4777	<i>Petrophila</i>	<i>fulcalis</i>	1			1

**Moths--Taxon Leader: Mark Mello**

Flamouth Bioblitz data by station and date

	<b>Family</b>	<b>Genus</b>	<b>Species</b>	<b>Notes &amp; Location</b>	
4794		<i>Eustixia</i>	<i>pupula</i>		0
4953		<i>Phlyctaenia</i>	<i>coronata</i>	1	1
5079		<i>Udea</i>	<i>rubigalis</i>	1	1
5156		<i>Nomophila</i>	<i>nearctica</i>	1 1	2
5275		<i>Herpetogramma</i>	<i>pertextalis</i>	1	1
5361		<i>Donacaula</i>	<i>melinellus</i>	1	1
5342		<i>Crambus</i>	<i>bidens</i>	1	1
5362		<i>Crambus</i>	<i>agitatellus</i>	1	2
5435		<i>Fissicrambus</i>	<i>mutabilis</i>	1	1
5451		<i>Parapediasia</i>	<i>teterrella</i>	1	1
5464		<i>Urola</i>	<i>nivialis</i>	1	1
5469		<i>Epina</i>	<i>alleni</i>	1	1
5492		<i>Eoreuma</i>	<i>densella</i>	1	1
5533		<i>Herculia</i>	<i>olinalis</i>	1	1
5577		<i>Epipaschna</i>	<i>superatalis</i>		0
5595		<i>Tetralopha</i>	<i>robustella</i>	1	1
5651		<i>Acrobasis</i>	<i>indigenella</i>	1	1
5654		<i>Acrobasis</i>	<i>amplexella</i>	1	1
5773		<i>Salebriaria</i>	<i>engeli</i>	1	1
5797		<i>Nephopteryx</i>	<i>virgatella</i>	1	1
6005.1		<i>Moodna</i>	<i>pallidostrinella</i>	2	2
6203		<i>Oidaematopsis</i>	<i>(Homodactylus)</i>	1	1
		# species microlepidoptera			50
		<b>TOTAL # MOTH SPECIES</b>			<b>152</b>



## Arachnids--Taxon Leaders: Eric Edwards and Joe Werfel

### Spiders

FAMILY	GENUS	SPECIES	maturity & sex	
Agelenidae	1 Agelenopsis	kastoni	F,F	best fit overall
Anyphaenidae	2 Wulfilia	saltabundus	F,F	
Anyphaenidae	2 ?	?	imm,& pM,	
Araneidae	3 Micrathena	gracilis	pM	
Araneidae	3 Araneus	bivittatus	M	palp in vial
Araneidae	3 Araneus	miniatus	F	bilateral epigynal caps
Araneidae	3 Eustala	anastera	F	
Clubionidae	4 Clubiona	abboti	F	
Corinnidae	5 Castianeira	variata	F,M	palp in vial
Dictynidae	6 Dictyna	sublata	F	
Gnaphosidae	7 Herpyllus	ecclesiasticus	M	palp in vial
Erigoninae	8 Grammonota?	maritima?	F	family correct, the rest possible
Erigoninae	8 Ceraticelus	fissiceps	Fx12,Mx3	palps in vial
Linyphiinae	9 Frontinella	pyramitela	F	
Linyphiinae	9 Ceratinopsis?	?	F	closest genus
Liocranidae	10 Phrurorotimpus	alarius	F	
Lycosidae	11 Pardosa	milvina	M	palp in vial
Philodromidae	12 Philodromus	marxi	Mx2,Fx5	palp in vial
Philodromidae	12 Philodromus	rufus	F,F	
Philodromidae	12 Philodromus	placidus	F	
Pisauridae	13 Pisaurina	mira	imm.	
Salticidae	14 Eris	militaris	M,Fx4	palp in vial, female with opening ducts close together
Salticidae	14 Pelegrina	proterva	M,F	palp in vial
Salticidae	14 Hentzia	mitrata	M	palp in vial
Tetragnathidae	15 Tetragnatha	elongata	F	
Tetragnathidae	15 Leucauge	venusta	F	
Theridiidae	16 Dipoena	nigra	M,M	palp in vial
Theridiidae	16 Theridion	murarium	F	
Theridiidae	16 Theridion	glaucescens	F	
Theridiidae	16 Enoplognatha	ovata	F,F	
Theridiidae	16 Aryrodes	trigonum	F	
Thomisidae	17 Misumenops	oblongus	M	palp in vial
Thomisidae	17 Ozyptila	conspurcata	F,M	(or O. sincera canadensis),papl in vial

### Opilionids--Harvestmen or Daddy Longlegs

Leiobunum	vittatum
Leiobunum	ventricosum
Caddo	agilis

### Pseudoscorpiones--pseudo scorpions

Chelifer	??
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## Fungi--Taxon Leader: Lawrence Millman

Genus	Species	Common Name	Notes
<i>Amanita</i>	<i>albocreata</i>		Mycorrhizal? Uncommon
<i>Amanita</i>	<i>brunnescens</i>	Cleft Foot	Mycorrhizal
<i>Amanita</i>	<i>flavonia</i>	Yellow Patches	Mycorrhizal
			Resupinate. On decorticated pitch pine(?)
<i>Antrodia</i>	<i>cf. xantha</i>		log
<i>Apiosporina</i>	<i>morbosa</i>	Black Knot of Cherry	Pathogen on cherry
<i>Arcyria</i>	<i>denudata</i>	Carnival Candy Slime	Slime mold
<i>Boletellus</i>	<i>chrysenteroides</i>	Cracked Cap Bolete	Mycorrhizal
<i>Boletus</i>	<i>subtomentosus.</i>	Yellow Cracked Bolete	Mycorrhizal
<i>Boletus</i>	<i>sp.</i>		Mycorrhizal(?)
<i>Cantharellus</i>	<i>minor</i>	Small Chanterelle	In moss.
<i>Ceratiomyxa</i>	<i>fruticolosa</i>	Coral Slime	Slime mold
<i>Clavicornona</i>	<i>pyxidata</i>	Crown Tipped Coral	On dead wood.
			On hardwood log but supposedly
<i>Cortinarius</i>	<i>corrugatus.</i>		mycorrhizal
<i>Craterellus</i>	<i>fallax</i>	Black Trumpet	With maple.
<i>Daldinia</i>	<i>concentrica</i>	Carbon Ball	On deciduous wood
<i>Diatrype</i>	<i>stigma.</i>		On decorticated log
<i>Galerina</i>	<i>sp.</i>		In moss.
<i>Gymnopilus</i>	<i>penetrans</i>	Little Gym.	On deciduous log
<i>Gyroporus</i>	<i>castaneus</i>	Chestnut Bolete	Mycorrhizal.
<i>Hapalopilus</i>	<i>nidulans</i>	Tender nesting Polypore	On dead beech.
			On soil. Specimen quite large for this
			species.
<i>Helvella</i>	<i>macropus.</i>		
<i>Hydnochaete</i>	<i>olivaceum</i>	Olive toothed Polypore	On dead oak.
<i>Hymenochaete</i>	<i>tabacina.</i>		On maple log.
<i>Hypoxylon</i>	<i>fragiforme</i>	Beech Hypoxylon	On dead beech.
<i>Inocybe</i>	<i>sp.</i>		On soil.
<i>Lactarius</i>	<i>hygrophoroides.</i>		Mycorrhizal
<i>Lactarius</i>	<i>cf. oculatus</i>		Mycorrhizal
<i>Lactarius</i>	<i>rufus</i>	Red Hot Milky	Mycorrhizal
<i>Lycogala</i>	<i>epidendrum</i>	Wolf's Milk Slime	Slime mold
<i>Marasmius</i>	<i>scorodonius</i>	Garlic Maramius	On twigs and debris
<i>Marasmius</i>	<i>sp.</i>		On leaf litter.
<i>Megacollybia</i>	<i>rodmanii</i>	Broad Gill	On decaying deciduous wood (oak?)
<i>Mollisia</i>	<i>cf. cinerea</i>	Cup Fungus	Wood inhabitator.
<i>Morganella</i>	<i>subincarnata.</i>		On wood. Somewhat uncommon
<i>Orbilia</i>	<i>delicatula.</i>	Cup Fungus	Underneath dead log.
<i>Phanerochaete</i>	<i>chrysohiza</i>	Spreading Yellow Tooth	Under deciduous ? log
<i>Phellinus</i>	<i>ferruginosus.</i>		On pitch pine log
<i>Phellinus</i>	<i>sp.</i>		Resupinate. On softwood (?) log
<i>Polyporus</i>	<i>alveolaris</i>	Hexagonal Pored Polypor	On dead oak.
<i>Rosellinia</i>	<i>sp.</i>		On log.
<i>Russula</i>	<i>brunneola.</i>		Mycorrhizal.
<i>Russula</i>	<i>claroflava</i>	Yellow Russula	Mycorrhizal.
<i>Russula</i>	<i>heterophylla.</i>		Mycorrhizal.
<i>Russula</i>	<i>pulchra.</i>		Mycorrhizal.
<i>Russula</i>	<i>sp. 1</i>		Dark reddish pileus
<i>Russula</i>	<i>sp. 2</i>		Pink pileus.
<i>Stereum</i>	<i>complicatum</i>	Crowded parchment	On dead hardwood branch
<i>Stereum</i>	<i>ostrea</i>	False Turkey Tail	On stump.

## Fungi--Taxon Leader: Lawrence Millman

Genus	Species	Common Name	Notes
<i>Suillus</i>	<i>granulatus</i>	Dotted Stalk Suillus	With white pine.
<i>Suillus</i>	<i>pictus</i>	Painted Suillus	With white pine.
<i>Trametes</i>	<i>versicolor</i>	Turkey Tail	Wood inhabitator
<i>Trichaptum</i>	<i>abietinum</i>	Purple Toothed Polypore	On dead softwood trees
<i>Trichaptum</i>	<i>biforme</i>	Purple Toothed Polypore	On dead hardwood trees
<i>Tubifera</i>	<i>ferruginosa</i>	Raspberry Slime	Slime mold.
<i>Tylopilus</i>	<i>felleus</i>	Bitter Bolete	Mycorrhizal.
<i>Ustulina</i>	<i>deustra</i>	Carbon Cushion	On maple log.
<i>Xanthoconium</i>	<i>affine var. maculatus</i>	Spotted Bolete	Mycorrhizal
<i>Xylobolus</i>	<i>frustulatus</i>	Ceramic Parchment	On oak log.

Despite what would appear to be a reasonably good species inventory (58 species), the site at the headwaters of the Coonamesset River strikes me as being somewhat fungally deprived. Especially, I was surprised by the paucity of polypores (8 species) and wood inhabiting ascomycetes (6 species). This suggests that the human uses of the site in recent years have not necessarily been environmentally-friendly. It also suggests that not enough time has passed since the land was farmed to allow for the fruiting of a full complement of fungi.

## Aquatic Invertebrates--Taxon Leaders: Ann Tarrant and Stace Beaulieu

Common Name	Family	Genus	species	Trophic Level	Ecosystem	Notes
Gastropod		unknown #1		primary carnivore	river	large shell
Gastropod		unknown #2		herbivore	river	small
Insect larva		unknown #1		herbivore	river	relatively large
Isopod--Flabellifera	Sphaeromatachae			herbivore	pond	oval w/2 eye spots
Calanoid	Temoridae	Heterocope	septettrionalis	herbivore	pond	possible identification
Mite		unknown #1		primary carnivore	pond	
Nematode		unknown #1		primary carnivore	pond	smooth cuticle
Ostracod		unknown #1		herbivore	pond	bumpy shell
Rotifer	Lecanidae	Lecone	sp.	herbivore	pond	
Hydra			sp.	primary carnivore	pond	
Cladoceran	Daphniidae	Ceriodaphnia	sp.	herbivore	pond, w/sediment	
Insect larva		Chaoborus	sp.	primary carnivore	pond, w/sediment	large shell
Water Bear (Tardigrade)				primary carnivore	pond	Class: Eurtardigrada, Order: Macrbiotoid
Cladoceran	Moinidae	Moina	sp.	herbivore	pond	
Ostracod		unknown #2		herbivore	pond	striated shell
Rotifer		Monostyla	sp.	herbivore	pond	
Cladoceran	Daphinidae	Simocephalus	sp.	herbivore	pond	
Insect larva		unknown #2		primary carnivore	river	terrestrial?
Rotifer		unknown #1		herbivore	river	chalice-shaped
Aquatic Insect		unknown #1			wetland	adult and juvenile
Rotifer		unknown #2		herbivore	wetland	Looks like trochophore, swam like rotifer
Ostracod		unknown #3		herbivore	wetland--bog	dark shell
Cyclopoid		Microcyclops	nubellus	herbivore	wetland--bog	
Rotifer		unknown #3		herbivore	wetland--bog	elongate loeica

## Microbiota--Taxon Leader: Chris Rieken

Common Name	Genus	Species	Trophic level	Ecosystem	Notes
Bacteria (rod shaped)	unknowable		detritivore	river	Filamenous bacterium colony
Bacteria (spiroforme)	unknowable		detritivore	river	
Amoeba	Chrysamoeba	sp.	detritivore	river	Filose Amoeba
Amoeba	unknown #1		detritivore	river	Maybe Nuclearia?
Amoeba	Gymnophrys	sp.	detritivore	river	
Choanoflagellate	Codonosiga	sp.	detritivore	river	Solitary, unattached, may be flagellate
Amoeba	unkown #2		detritivore	river	May be acanthamoeba
Amoeba	Acanthamoeba	sp.	detritivore	river	
Ciliate	unknown #1		detritivore	river	approx 10 microns, large nucleus
	Poterioochromonas	sp.	primary producer	river	
Amoeba	Mayorella	sp.	detritivore	river	approx 10 microns
Amoeba?	b				Fried Egg?
Ciliate	Metopus	sp.	detritivore	river	
	Bodo	sp.	detritivore	river	2 flagella
Amoeba	Mayorella	sp.	detritivore	river	symbiotic algae?
Amoeba	Centropyxis	sp.	detritivore	wetland	
Amoeba	Lecquereusia	sp.	detritivore	wetland	empty test
	Cryptomonas	sp #1	primary producer	wetland	<10 microns
Heliozoan	unknown #1		detritivore	wetland	mucus sheath
Gastrotrich	Gastrotrichia	sp.	primary carnivore	wetland	
Rotifer	Bdelloidea	sp.	primary carnivore	wetland	Philodina
Amoeba	unknown #4		detritivore	wetland	
Heliozoan	Acanthocystis	sp.	detritivore	wetland	
	Cryptomonas	sp. #2	primary producer	wetland	
Ciliate	unknown #2		detritivore	wetland	
Ciliate	unknown #3		detritivore	wetland	Very large, multi-nucleate
Ciliate	Pompholyxophrys	sp.	detritivore	wetland	
Rotifer	unknown #1		primary carnivore	wetland	
	Euglena	sp.	primary producer	wetland	
Dinoflagellate	unknown #1		primary producer	wetland	
Rotifer	unknown #2		primary producer	wetland	Monogonot

## Algae--Taxon Leader: Aimlee Laderman

Common Name	Genus	Species	Trophic level	Ecosystem	Comments
Green flagellate	Chlamydomonas	species 1	primary producer	wetland	
Desmid	Closterium	species 1	primary producer	river	
Desmid	Closterium	species 2	primary producer	river	striate
Desmid	Closterium	species 3	primary producer	wetland	
Desmid	Closterium	species 4	primary producer	wetland	yellow
Desmid	Closterium	species 5	primary producer	wetland	
Desmid	Closterium	species 6	primary producer	wetland	
Desmid	Closterium	species 7	primary producer	wetland-Sphagnum	
Desmid	Closterium	species 8	primary producer	wetland-Sphagnum	arcuate ++
Desmid	Cosmarium	species 1	primary producer	wetland	
Desmid	Cosmarium	quadratum	primary producer	wetland	
Green flagellate	Cryptomonas	species 1	primary producer	wetland-Sphagnum	
Green flagellate	Cryptomonas	species 2	primary producer	wetland-Sphagnum	tiny
Filamentous desmid	Desmidiium	species 1	primary producer	wetland	filamentous
Centric Diatom	Diatom (centric)	species 1	primary producer	river	
Pennate Diatom	Diatom (pennate)	species 2	primary producer	river	
Pennate Diatom	Diatom (pennate)	species 3	primary producer	wetland	
Pennate Diatom	Diatom (pennate)	species 4	primary producer	wetland-sphagnum	dark brown
Pennate Diatom filam	Diatom (pennate)	species 5	primary producer	wetland-sphagnum	
Pennate Diatom	Diatom (pennate)	species 6	primary producer	wetland-sphagnum	very long, thin
Pennate Diatom	Diatom (pennate)	species 7	primary producer	wetland-sphagnum	
Pennate Diatom	Diatom (pennate)	species 8	primary producer	wetland-sphagnum	
Filamentous Green	Ulothrix	species 1	primary producer	wetland	
Filamentous Green		species 1	primary producer	wetland	
Flamentous Green		species 2	primary producer	wetland-Sphagnum	
Filamentous Green		species 3	primary producer	wetland-Sphagnum	
Desmid	Micrasterias	species 1	primary producer	wetland-Sphagnum	
Desmid	Micrasterias	truncata	primary producer	wetland-Sphagnum	
Pennate Diatom	Nitzschia	species 1	primary producer	wetland	Bacteria ++ attached
Pennate Diatom	Nitzschia	species 2	primary producer	wetland-sphagnum	sinuous
Desmid	Penium	species 1	primary producer	wetland-Sphagnum	
Pennate Diatom	Pinnularia	species 1	primary producer	wetland-sphagnum	
Filamentous green	Spirogyra	species 1	primary producer	wetland-sphagnum	3-cell filament
Filamentous green	Spirogyra	species 2	primary producer	wetland-sphagnum	
Colonial Green	Sphaerocystis	species 1	primary producer	river	
Pennate Diatom	Tabellaria	species 1	primary producer	wetland	in a chain
Colonial green	Scenedesmus	species 1	primary producer	wetland	

### Miscellaneous organisms in Unsurveyd Taxa

Common Name	Genus	Species	Trophic level	Ecosystem	Comments
Mayfly	Ephemera	species		pond	found by fish group
Caddisfly	?			pond	larva; found by fish group
Fingernail Clam	?			pond	found by fish group
Dog Tick	Dermacentor	species	primary carnivore	grassland	
Deer Tick	Ixodes	dammini	primary carnivore	grassland	
Grasshopper				grassland	
Bryozoan	Pectinatella	Species		pond	found by fish group