

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	record #	Order	Family	Genus	Species	Host	state
1	SA1167	Coleoptera	Buprestidae	<i>Brachys</i>	<i>ovatus</i>	<i>Quercus nigra</i>	NC
2	SA115	Coleoptera	Buprestidae	<i>Pachyschelus</i>	<i>laevigatus</i>	<i>Desmodium paniculatum</i>	NC
3	SA27	Coleoptera	Buprestidae	<i>Pachyschelus</i>	<i>nicolayi</i>	<i>Wisteria frutescens</i>	NC
4	SA504	Lepidoptera	Cosmopterigidae	<i>Taphrocerus</i>		<i>Rhynchospora perplexa</i>	NC
5	SA1432	Lepidoptera	Cosmopterigidae	<i>Taphrocerus</i>		<i>Carex glauca</i>	NC
6	SA376	Coleoptera	Chrysomelidae	<i>Anisostena</i>	<i>lecontii</i>	<i>Arundinaria tecta</i>	NC
7	SA47	Coleoptera	Chrysomelidae	<i>Baliosus</i>	<i>nervosus</i>	<i>Quercus nigra</i>	NC
8	SA102A	Coleoptera	Chrysomelidae	<i>Brachycoryna</i>	<i>pumila</i>	<i>Sida rhombifolia</i>	NC
9	SA51	Coleoptera	Chrysomelidae	<i>Chalepus</i>	<i>bicolor</i>	<i>Dichanthelium</i> 3 swamp	NC
10	SA126	Coleoptera	Chrysomelidae	<i>Glyphuroplata</i>	<i>pluto</i>	<i>Digitaria ciliaris</i>	NC
11	SA302	Coleoptera	Chrysomelidae	<i>Mantura</i>	<i>floridana</i>	<i>Rumex acetosella</i>	NC
12	SA55	Coleoptera	Chrysomelidae	<i>Octotoma</i>	<i>plicatula</i>	<i>Campsis radicans</i>	NC
13	SA894	Coleoptera	Chrysomelidae	<i>Odontata</i>	<i>horni</i>	<i>Lespedeza hirta</i>	NC
14	SA9	Coleoptera	Chrysomelidae	<i>Odontota</i>	<i>scapularis</i>	<i>Apios americana</i>	NC
15	SA458	Coleoptera	Chrysomelidae	<i>Sumitrosis</i>	<i>pallescens</i>	<i>Chamaecrista species</i>	NC
16	SA165	Coleoptera	Chrysomelidae	<i>Sumitrosis</i>	<i>rosea</i>	<i>Centrosema virginianum</i>	NC
17	SA324	Diptera	Agromyzidae	<i>Agromyza</i>	<i>aristata</i>	<i>Ulmus rubra</i>	NC
18	SA916A	Diptera	Agromyzidae	<i>Agromyza</i>	<i>arundinariae</i>	<i>Arundinaria tecta</i>	NC
19	SA385	Diptera	Agromyzidae	<i>Agromyza</i>	<i>pudica</i>	<i>Dichanthelium</i>	NC
20	SA295	Diptera	Agromyzidae	<i>Agromyza</i>	<i>soka</i>	<i>Robinia pseudoacacia</i>	NC
21	SA863	Diptera	Agromyzidae	<i>Agromyza</i>	<i>parca</i>	<i>Dichanthelium</i>	NC
22	SA312	Diptera	Agromyzidae	<i>Aulagromyza</i>	<i>orbitalis</i>	<i>Lonicera sempervirens</i>	NC
23	SA287	Diptera	Agromyzidae	<i>Calycomyza</i>	<i>humeralis</i>	<i>Symphotrichum pilosum</i>	NC
24	SA116	Diptera	Agromyzidae	<i>Calycomyza</i>	<i>malvae</i>	<i>Sida rhombifolia</i>	NC
25	SA2B	Diptera	Agromyzidae	<i>Calycomyza</i>	<i>minor</i>	<i>Erigeron strigosus</i>	NC
26	SA823	Diptera	Agromyzidae	<i>Calycomyza</i>	<i>platyptera</i>	<i>Ambrosia artemisiifolia</i>	NC
27	SA122	Diptera	Agromyzidae	<i>Calycomyza</i>	<i>promissa</i>	<i>Symphotrichum pilosum maybe</i>	NC
28	SA3	Diptera	Agromyzidae	<i>Calycomyza</i>	<i>solidaginis</i>	<i>Solidago canadensis</i>	NC
29	SA509	Diptera	Agromyzidae	<i>Calycomyza</i>	<i>verbenae</i>	<i>Verbena brasiliensis</i>	NC
30	SA1378	Diptera	Agromyzidae	<i>Calycomyza</i>		<i>Baccharis halimifolia</i>	NC
31	SA748	Diptera	Agromyzidae	<i>Cerodontha</i>	<i>angulata</i>	<i>Dichanthelium</i>	NC

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32	SA839	Diptera	Agromyzidae	<i>Cerodontha</i>	<i>dorsalis</i>	<i>Lolium perenne</i>	NC
33	SA727	Diptera	Agromyzidae	<i>Cerodontha</i>		<i>Carex species</i>	NC
34	SA916	Diptera	Agromyzidae	<i>Cerodontha</i>	<i>saintandrewsensis</i>	<i>Arundinaria tecta</i>	NC
35	SA320	Diptera	Agromyzidae	<i>Japanagromyza</i>	<i>viridula</i>	<i>Quercus margaretta</i>	NC
36	SA327	Diptera	Agromyzidae	<i>Liriomyza</i>	<i>brassicae</i>	<i>Lepidium virginicum</i>	NC
37	SA1	Diptera	Agromyzidae	<i>Liriomyza</i>	<i>carphephori</i>	<i>Carphephorus bdellifolius</i>	NC
38	SA293	Diptera	Agromyzidae	<i>Liriomyza</i>	<i>eupatorii</i>	<i>Solidago canadensis</i>	NC
39	SA336	Diptera	Agromyzidae	<i>Liriomyza</i>	<i>fricki</i>	<i>Trifolium repens</i>	NC
40	SA535	Diptera	Agromyzidae	<i>Liriomyza</i>	<i>schmidti</i>	<i>Gelsemium sepmervirens</i>	NC
41	SA35A	Diptera	Agromyzidae	<i>Liriomyza</i>	<i>trifolii</i>	<i>Trifolium repens</i>	NC
42	SA339	Diptera	Agromyzidae	<i>Liriomyza</i>	<i>triodanidis</i>	<i>Triodanis biflora</i>	NC
43	SA1300	Diptera	Agromyzidae	<i>Liriomyza</i>		<i>Krigia virginica</i>	NC
44	SA476	Diptera	Agromyzidae	<i>Nemorimyza</i>	<i>maculosa</i>	<i>Erechtites hieracifolium</i>	NC
45	SA6	Diptera	Agromyzidae	<i>Nemorimyza</i>	<i>posticata</i>	<i>Solidago canadensis</i>	NC
46	SA816	Diptera	Agromyzidae	<i>Ophiomyia</i>	<i>beckeri</i>	<i>Krigia virginica</i>	NC
47	SA781	Diptera	Agromyzidae	<i>Ophiomyia</i>	<i>parda</i>	<i>Symphyotrichum pilosum</i>	NC
48	SA1364	Diptera	Agromyzidae	<i>Ophiomyia</i>		<i>Lactuca canadensis</i>	NC
49	SA46	Diptera	Agromyzidae	<i>Ophiomyia</i>	<i>pulicaria</i>	<i>Hypochoeris chilensis</i>	NC
50	SA877	Diptera	Agromyzidae	<i>Phytoliriomyza</i>	<i>clara</i>	<i>Pteridium latiusculum (Bracken)</i>	NC
51	SA1241	Diptera	Agromyzidae	<i>Phytoliriomyza</i>	<i>felti</i>	<i>Asplenium platyneuron</i>	NC
52	SA233	Diptera	Agromyzidae	<i>Phytomyza</i>	<i>vomitioriae</i>	<i>Ilex vomitoria</i>	NC
53	SA30	Diptera	Agromyzidae	<i>Phytomyza</i>	<i>glabricola</i>	<i>Ilex glabra</i>	NC
54	SA259	Diptera	Agromyzidae	<i>Phytomyza</i>	<i>opacae</i>	<i>Ilex opaca</i>	NC
55	SA44	Diptera	Agromyzidae	<i>Phytomyza</i>	<i>plantaginis</i>	<i>Plantago rugellii</i>	NC
56	SA331	Diptera	Agromyzidae	<i>Phytomyza</i>	<i>sempervirentis</i>	<i>Lonicera sempervirens</i>	NC
57	SA2	Diptera	Agromyzidae	<i>Phytomyza</i>		<i>Erigeron strigosus</i>	NC
58	SA3	Diptera	Agromyzidae	<i>Phytomyza</i>		<i>Solidago leaf tip</i>	NC
59		Diptera	Agromyzidae	<i>Phytomyza</i>	<i>albiceps</i>	<i>Symphyotrichum pilosum maybe</i>	NC
60	SA337	Diptera	Agromyzidae	<i>Phytomyza</i>	<i>crassiseta</i>	<i>Veronica arvensis</i>	NC
61	SA269	Diptera	Agromyzidae	<i>Phytomyza</i>	<i>illicicola</i>	<i>Ilex opaca</i>	NC
62	SA230	Diptera	Agromyzidae	<i>Phytomyza</i>	<i>omlandi</i>	<i>Gelsimium sepmervirens</i>	NC

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63		Diptera	Agromyzidae	Phytomyza	<i>solidaginophaga</i>	<i>Solidago</i>	NC
64		Diptera	Agromyzidae			<i>Symphotrichum pilosum maybe</i>	NC
65	SA876	Diptera	Anthomyiidae	<i>Pegomya</i>	<i>atlanis</i>	<i>Chenopodium album</i>	NC
66	SA814	Diptera	Anthomyiidae	<i>Pegomya</i>	<i>bicolor</i>	<i>Rumex crispus</i>	NC
67	SA590	Diptera	Anthomyiidae	<i>Pegomya</i>	<i>wygodzinskyi</i>	<i>Amaranthus palmeri</i>	NC
68	SA1468	Hymenoptera	Tenthredinidae	<i>Metallus</i>	<i>rohweri</i>	<i>Rubus trivialis</i>	NC
69	SA860	Lepidoptera	???	<i>Cycloplasis</i>	<i>immaculata</i>	<i>Dichantheium</i>	NC
70	SA646A	Lepidoptera	Bedelliidae	<i>Bedellia</i>	<i>somnulentella</i>	<i>Ipomoea purpurea</i>	NC
71	SA594	Lepidoptera	Bucculatricidae	<i>Bucculatrix</i>	<i>agnella or ambrosiaefoli</i>	<i>Ambrosia artemisiifolia</i>	NC
72	SA1306	Lepidoptera	Bucculatricidae	<i>Bucculatrix</i>	<i>angustata</i>	<i>Symphotrichum pilosum maybe</i>	NC
73	SA234	Lepidoptera	Bucculatricidae	<i>Bucculatrix</i>	<i>ivella</i>	<i>Baccharis halimifolia</i>	NC
74	SA202	Lepidoptera	Bucculatricidae	<i>Bucculatrix</i>	<i>pomifoliella</i>	<i>Prunus serotina</i>	NC
75	SA226	Lepidoptera	Bucculatricidae	<i>Bucculatrix</i>		<i>Quercus alba</i>	NC
76	SA1179	Lepidoptera	Bucculatricidae	<i>Bucculatrix</i>		<i>Ulmus alata</i>	NC
77	SA1410	Lepidoptera	Bucculatricidae	<i>Bucculatrix</i>	<i>staintonella</i>	<i>Helenium amarum</i>	NC
78	SA310	Lepidoptera	Choreutidae	<i>Tebenna</i>	<i>gnaphaliella</i>	<i>Gamochaeta purpurea</i>	NC
79	SA319	Lepidoptera	Coleophoridae	<i>Coleophora</i>		<i>Alnus serrulata</i>	NC
80	SA514	Lepidoptera	Coleophoridae			<i>Mikania scandens</i>	NC
81	SA539	Lepidoptera	Cosmopterigidae	<i>Cosmopterix</i>	<i>astrapias</i>	<i>Ipomoea purpurea</i>	NC
82	SA559	Lepidoptera	Cosmopterigidae	<i>Cosmopterix</i>	<i>clemensella</i>	<i>Carex lurida</i>	NC
83	SA545	Lepidoptera	Cosmopterigidae	<i>Cosmopterix</i>		<i>Digitaria ciliaris</i>	NC
84	SA549	Lepidoptera	Cosmopterigidae	<i>Stilbosis</i>		<i>Quercus laevis</i>	NC
85	SA383	Lepidoptera	Elachistidae	<i>Elachista</i>	<i>illectella</i>	<i>Briza minor</i>	NC
86	SA328	Lepidoptera	Eriocraniidae	<i>Dyseriocrania</i>	<i>griseocapitella</i>	<i>Quercus nigra</i>	NC
87		Lepidoptera	Eriocraniidae	<i>Eriocraniella</i>	<i>platyptera</i>	<i>Quercus nigra</i>	NC
88	SA880	Lepidoptera	Gelechiidae	<i>Scrobipalpula</i>		<i>Erigeron strigosus</i>	NC
89	SA534	Lepidoptera	Gelechiidae	<i>Keiferia</i>	<i>inconspicuella</i>	<i>Solanum carolinense</i>	NC
90	SA1538	Lepidoptera	Gelechiidae	<i>Coleotechnites</i>		<i>Hypericum hypericoides</i>	NC
91	SA217	Lepidoptera	Gracillariidae	<i>Acrocercops</i>	<i>albinatella</i>	<i>Quercus nigra</i>	NC
92	SA454	Lepidoptera	Gracillariidae	<i>Caloptilia</i>	<i>azaleella</i>	<i>Rhododendron cultivar</i>	NC
93	SA32	Lepidoptera	Gracillariidae	<i>Caloptilia</i>	<i>hypericella</i>	<i>Hypericum mutilum</i>	NC

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94	SA133	Lepidoptera	Gracillariidae	<i>Caloptilia</i>	<i>rhoifoliella</i>	<i>Rhus copallinum</i>	NC
95	SA309	Lepidoptera	Gracillariidae	<i>Caloptilia</i>	<i>sassafrasella</i>	<i>Sassafras albidum</i>	NC
96	SA565	Lepidoptera	Gracillariidae	<i>Caloptilia</i>	<i>stigmatella</i>	<i>Salix nigra</i>	NC
97		Lepidoptera	Gracillariidae	<i>Caloptilia</i>	<i>violacella</i>	<i>Desmodium paniculatum</i>	NC
98	SA1537	Lepidoptera	Gracillariidae	<i>Caloptilia</i>	<i>porphyretica</i>	<i>Rhododendron atlanticum</i>	NC
99	SA342	Lepidoptera	Gracillariidae	<i>Caloptilia</i>		<i>Styrax americana</i>	NC
100	SA50	Lepidoptera	Gracillariidae	<i>Cameraria</i>	<i>caryaefoliella</i>	<i>Carya tomentosa</i>	NC
102	SA38	Lepidoptera	Gracillariidae	<i>Cameraria</i>	<i>guttifinitella</i>	<i>Toxicodendron radicans</i>	NC
103	SA418	Lepidoptera	Gracillariidae	<i>Cameraria</i>	<i>quercivorella</i>	<i>Quercus nigra</i>	NC
104	SA985	Lepidoptera	Gracillariidae	<i>Cameraria</i>	<i>saccharella</i>	<i>Acer floridanum</i>	NC
105	SA994	Lepidoptera	Gracillariidae	<i>Cameraria</i>	<i>ulmella</i>	<i>Ulmus rubra</i>	NC
106	SA167	Lepidoptera	Gracillariidae	<i>Cameraria</i>		<i>Quercus virginiana</i>	NC
107	SA185	Lepidoptera	Gracillariidae	<i>Chrysaster</i>	<i>ostensackenella</i>	<i>Robinia pseudoacacia</i>	NC
108	SA471	Lepidoptera	Gracillariidae	<i>Cremastobombycia</i>	<i>solidaginis</i>	<i>Solidago rugosa</i>	NC
109	SA121	Lepidoptera	Gracillariidae	<i>Leucospilapteryx</i>	<i>venustella</i>	<i>Ambrosia artemisiifolia</i>	NC
110	SA1379	Lepidoptera	Gracillariidae	<i>Macrosaccus</i>	<i>robiniella</i>	<i>Wisteria frutescens</i>	NC
111	SA746	Lepidoptera	Gracillariidae	<i>Marmara</i>	<i>fasciella</i>	<i>Pinus strobus</i>	NC
112	SA725	Lepidoptera	Gracillariidae	<i>Marmara</i>	<i>serotinella</i>	<i>Prunus serotina</i>	NC
113	SA627	Lepidoptera	Gracillariidae	<i>Marmara</i>		<i>Passiflora lutea</i>	NC
114	SA515	Lepidoptera	Gracillariidae	<i>Marmara</i>		<i>Symplocos tinctoria</i>	NC
115	SA724	Lepidoptera	Gracillariidae	<i>Marmara</i>		<i>Liquidambar styraciflua</i>	NC
116	SA760	Lepidoptera	Gracillariidae	<i>Marmara</i>		<i>Acer rubrum (and floridana)</i>	NC
117	SA1377	Lepidoptera	Gracillariidae	<i>Marmara</i>		<i>Eupatorium capillifolium</i>	NC
118	SA734	Lepidoptera	Gracillariidae	<i>Marmara</i>		<i>Nyssa sylvatica</i>	NC
119	SA1072	Lepidoptera	Gracillariidae	<i>Marmara</i>		<i>Ulmus alata</i>	NC
120	SA1477	Lepidoptera	Gracillariidae	<i>Marmara</i>		<i>Dysphania (Chenopodium) ambrosioides</i>	NC
121	SA1469	Lepidoptera	Gracillariidae	<i>Marmara</i>		<i>Rosa multiflora</i>	NC
122	SA1479	Lepidoptera	Gracillariidae	<i>Marmara</i>		<i>Cornus florida</i>	NC
123	SA159	Lepidoptera	Gracillariidae	<i>Marmara</i>	<i>smilacisella</i>	<i>Smilax rotundifolia and smallii</i>	NC
124	SA1038	Lepidoptera	Gracillariidae	<i>Micrurapteryx</i>	<i>salicifoliella</i>	<i>Salix nigra</i>	NC
125	SA147	Lepidoptera	Gracillariidae	<i>Neurobathra</i>	<i>strigifinitella</i>	<i>Quercus virginiana</i>	NC

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126	SA630	Lepidoptera	Gracillariidae	New-genus-near-neurobathra new-species		<i>Morella cerifera</i>	NC
127	SA351	Lepidoptera	Gracillariidae	<i>Parectopa</i>	<i>plantaginisella</i>	<i>Erigeron (or Solidago)</i>	NC
128	SA82	Lepidoptera	Gracillariidae	<i>Parectopa</i>	<i>robiniella</i>	<i>Robinia pseudoacacia</i>	NC
129	SA201	Lepidoptera	Gracillariidae	<i>Parornix</i>	<i>geminatella</i>	<i>Prunus serotina</i>	NC
130	SA1369	Lepidoptera	Gracillariidae	<i>Phyllocnistis</i>	<i>ampelopsiella</i>	<i>Parthenocissus quinquefolia</i>	NC
131	SA40	Lepidoptera	Gracillariidae	<i>Phyllocnistis</i>	<i>liquidambarisella</i>	<i>Liquidambar styraciflua</i>	NC
132	SA119	Lepidoptera	Gracillariidae	<i>Phyllocnistis</i>	<i>liriodendronella</i>	<i>Magnolia virginica</i>	NC
133	SA274	Lepidoptera	Gracillariidae	<i>Phyllocnistis</i>	<i>subpersea or longipalpa</i>	<i>Persea palustris</i>	NC
134	SA84	Lepidoptera	Gracillariidae	<i>Phyllocnistis</i>	<i>vitegenella</i>	<i>Muscadinia rotundifolia var. rotundifolia</i>	NC
135	SA73	Lepidoptera	Gracillariidae	<i>Phyllocnistis</i>	<i>vitifoliella</i>	<i>Muscadinia rotundifolia var. rotundifolia</i>	NC
136	SA203	Lepidoptera	Gracillariidae	<i>Phyllocnistis</i>		<i>Lyonia lucida</i>	NC
137	SA215	Lepidoptera	Gracillariidae	<i>Phyllocnistis</i>		<i>Eubotrys racemosa</i>	NC
138	SA77	Lepidoptera	Gracillariidae	<i>Phyllocnistis</i>	<i>hyperpersea</i>	<i>Persea palustris</i>	NC
139	SA286	Lepidoptera	Gracillariidae	<i>Phyllocnistis</i>	<i>insignis</i>	<i>Packera anonyma</i>	NC
140	SA1212	Lepidoptera	Gracillariidae	<i>Phyllonorycter</i>	<i>aeriferella</i>	<i>Quercus laurifolia</i>	NC
141	SA459	Lepidoptera	Gracillariidae	<i>Phyllonorycter</i>	<i>affinis</i>	<i>Lonicera sempervirens</i>	NC
142	SA1206	Lepidoptera	Gracillariidae	<i>Phyllonorycter</i>	<i>argentinetella</i>	<i>Ulmus alata</i>	NC
143	SA682	Lepidoptera	Gracillariidae	<i>Phyllonorycter</i>	<i>celtisella</i>	<i>Celtis laevigata</i>	NC
144	SA1201	Lepidoptera	Gracillariidae	<i>Phyllonorycter</i>	<i>fitchella</i>	<i>Quercus margaretta</i>	NC
145	SA528	Lepidoptera	Gracillariidae	<i>Phyllonorycter</i>		<i>Lonicera sempervirens</i>	NC
146	SA1361	Lepidoptera	Gracillariidae	<i>Phyllonorycter</i>	<i>occitanica</i>	<i>Ulmus alata</i>	NC
147	SA1061	Lepidoptera	Gracillariidae	<i>Phyllonorycter</i>	<i>trinotella</i>	<i>Acer rubrum</i>	NC
148	SA79	Lepidoptera	Gracillariidae	<i>Phyllonorycter</i>	<i>aberrans</i>	<i>Desmodium paniculatum</i> maybe	NC
149	SA177	Lepidoptera	Gracillariidae	<i>Porphyrosela</i>	<i>desmodiella</i>	<i>Centrosema virginianum</i>	NC
150	SA193	Lepidoptera	Gracillariidae	<i>Porphyrosela</i>	<i>minuta</i>	<i>Trifolium repens</i>	NC
151	SA388	Lepidoptera	Gracillariidae	Possible-new-genus-on-dichanthelium new-species		<i>Dichanthelium</i>	NC
152	SA232	Lepidoptera	Gracillariidae			<i>Vaccinium fuscatum</i>	NC
153	SA49	Lepidoptera	Heliozelidae	<i>Antispila</i>	<i>cf-viticordifoliella</i>	<i>Parthenocissus quinquefolia</i>	NC
154	SA505	Lepidoptera	Heliozelidae	<i>Antispila</i>	<i>cornifoliella</i>	<i>Cornus florida</i>	NC
155	SA636	Lepidoptera	Heliozelidae	<i>Antispila</i>		<i>Nyssa biflora</i>	NC
156	SA707	Lepidoptera	Heliozelidae	<i>Antispila</i>		<i>Morella cerifera</i>	NC

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157	SA108	Lepidoptera	Heliozelidae	<i>Coptodisca</i>	<i>diospyriella</i>	<i>Diospyros virginica</i>	NC
158	SA166	Lepidoptera	Heliozelidae	<i>Coptodisca</i>	<i>splendoriferella</i>	<i>Prunus serotina</i>	NC
159	SA112	Lepidoptera	Heliozelidae	<i>Coptodisca</i>	<i>undescribed species</i>	<i>Morella cerifera</i>	NC
160	SA208	Lepidoptera	Heliozelidae	<i>Coptodisca</i>		<i>Vaccinium fuscatum</i>	NC
161	SA50A	Lepidoptera	Heliozelidae	<i>Coptodisca</i>	<i>lucifluella</i>	<i>Carya</i> sp.	NC
162	SA974	Lepidoptera	Lyonetiidae	<i>Paraleucoptera</i>	<i>albella</i>	<i>Salix nigra</i>	NC
163	SA37	Lepidoptera	Lyonetiidae	<i>Proleucoptera</i>	<i>smilaciella</i>	<i>Smilax rotundifolia</i>	NC
164	SA537	Lepidoptera	Momphidae	<i>Mompha</i>	<i>passerella</i>	<i>Lechea mucronata</i>	NC
165	SA26	Lepidoptera	Momphidae	<i>Mompha</i>	<i>solomoni</i>	<i>Cephalanthus occidentalis</i>	NC
166	SA222	Lepidoptera	Nepticulidae	<i>Ectoedemia</i>	<i>clemensella</i>	<i>Platanus occidentalus</i>	NC
167	SA224	Lepidoptera	Nepticulidae	<i>Ectoedemia</i>	<i>platanella</i>	<i>Platanus occidentalus</i>	NC
168	SA988	Lepidoptera	Nepticulidae	<i>Ectoedemia</i>	<i>similella</i>	<i>Quercus falcata</i>	NC
169	SA692	Lepidoptera	Nepticulidae	<i>Ectoedemia</i>	<i>ulmella</i>	<i>Ulmus rubra</i>	NC
170	SA75	Lepidoptera	Nepticulidae	<i>Ectoedemia</i>	<i>nyssaefoliella</i>	<i>Nyssa sylvatica</i>	NC
171	SA1599	Lepidoptera	Nepticulidae	<i>Ectoedemia</i>	<i>trinotata</i>	<i>Carya ovalis</i>	NC
172	SA690	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>apicalbella</i>	<i>Ulmus rubra</i>	NC
173	SA1643	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>myricafoliella</i>	<i>Morella cerifera</i>	NC
174	SA221	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>betulicola group</i>	<i>Alnus serrulata</i>	NC
175	SA1043	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>betulicola group</i>	<i>Betula nigra</i>	NC
176	SA245	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>corylifoliella</i>	<i>Vaccinium fuscatum</i>	NC
177	SA1057	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>fuscotibiella</i>	<i>Salix nigra</i>	NC
178	SA66	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>intermedia</i>	<i>Rhus copallinum</i>	NC
179	SA146	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>quercipulchella</i>	<i>Quercus species</i>	NC
180	SA150	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>rhoifoliella</i>	<i>Toxicodendron radicans</i>	NC
181	SA1466	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>rosaefoliella</i>	<i>Rosa multiflora</i>	NC
182	SA585	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>sclerostylota</i>	<i>Quercus nigra</i>	NC
183	SA1474	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>villosella</i>	<i>Rubus trivialis</i>	NC
184	SA52	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>caryaefoliella</i>	<i>Carya tomentosa</i>	NC
185	SA184	Lepidoptera	Nepticulidae	<i>Stigmella</i>	<i>prunifoliella</i>	<i>Prunus angustifolius</i>	NC
186	SA506	Lepidoptera	Nepticulidae	<i>Glaucolepis</i>	<i>saccarella</i>	<i>Acer floridana</i>	NC
187	SA352	Lepidoptera	Plutellidae	<i>Plutella</i>	<i>xylostella</i>	<i>Lepidium virginicum</i>	NC

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	record #	Order	Family	Genus	Species	Host	state
188	SA1107	Lepidoptera	Pyralidae	<i>Acrobasis</i>	<i>cirroferella</i>	<i>Morella cerifera</i>	NC
189	SA1176	Lepidoptera	Pyralidae	<i>Acrobasis</i>	<i>rubrifasciella</i>	<i>Alnus serrulata</i>	NC
190	SA430	Lepidoptera	Pyralidae	<i>Acrobasis</i>	<i>minimella</i>	<i>Quercus marilandica</i>	NC
191	SA596	Lepidoptera	Tischeriidae	<i>Astrotischeria</i>	<i>ambrosiaeella</i>	<i>Ambrosia artemisiifolia</i>	NC
192	SA1046	Lepidoptera	Tischeriidae	<i>Astrotischeria</i>	<i>solidagonifoliella</i>	<i>Solidago nemoralis</i>	NC
193	SA419	Lepidoptera	Tischeriidae	<i>Coptotriche</i>	<i>zelleriella</i>	<i>Quercus nigra</i>	NC
194	SA1200	Lepidoptera	Tischeriidae	<i>Coptotriche</i>	<i>badiiella</i>	<i>Quercus alba</i>	NC
195	SA601	Lepidoptera	Tischeriidae	<i>Coptotriche</i>	<i>castanaeella</i>	<i>Quercus margaretta</i>	NC
196	SA1216	Lepidoptera	Tischeriidae	<i>Coptotriche</i>	<i>fuscomarginella</i>	<i>Quercus phellos</i>	NC
197	SA1218	Lepidoptera	Tischeriidae	<i>Coptotriche</i>		<i>Aronia arbutifolia</i>	NC
198	SA65	Lepidoptera	Tischeriidae	<i>Coptotriche</i>	<i>aenea</i>	<i>Rubus pensilvanicus</i>	NC
199	SA188	Lepidoptera	Tischeriidae	<i>Coptotriche</i>		<i>Quercus laurifolia</i>	NC
200	SA663	Lepidoptera	Tischeriidae	<i>Tischeria</i>	<i>quercitella</i>	<i>Quercus alba</i>	NC
201	SA486	Lepidoptera	Tortricidae	<i>Cenopsis</i>	<i>lamberti</i>	<i>Symplocos tinctoria</i>	NC
202	SA241	Lepidoptera	Tortricidae	<i>Rhopobota</i>	<i>dietziella</i>	<i>Ilex opaca</i>	NC
203	SA749	Lepidoptera		<i>Cycloplasis</i>	<i>panicifoliella</i>	<i>Dichanthelium</i>	NC
204	SA1152	Lepidoptera	Pyralidae	<i>Pococera</i>	<i>melanogrammos</i>	<i>Liquidambar styraciflua</i>	NC
205	SA1389	Lepidoptera	Crambidae	<i>Anania</i>	<i>extricalis</i>	<i>Alnus serrulata</i>	NC
206	SA1425	Lepidoptera	Tortricidae	<i>Platynota</i>	<i>stultana</i>	<i>Prunus caroliniana</i>	NC
207	SA1425A	Lepidoptera	Gelechiidae	<i>Filatima</i>	<i>serotinella</i>	<i>Prunus caroliniana</i>	NC
208	SA1413	Lepidoptera	Tortricidae	<i>Eumarozia</i>	<i>malachitana</i>	<i>Diospyros virginica</i>	NC
209	SA1438	Lepidoptera	Crambidae	<i>Pleuroptya</i>	<i>silicalis</i>	<i>Boehmeria cylindrica</i>	NC
210	SA1453	Lepidoptera	Pyralidae	<i>Pococera</i>	<i>robustella</i>	<i>Pinus taeda</i>	NC

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	Genus	Species	location	year	month	day	Notes
1	<i>Brachys</i>	<i>ovatus</i>	St. Andrews University campus	2017	October	4	adult emerged 6/4/2018
2	<i>Pachyschelus</i>	<i>laevigatus</i>	St. Andrews University campus	2015	August	17	also on other legumes--Lespedeza, C
3	<i>Pachyschelus</i>	<i>nicolayi</i>	St. Andrews University campus	2015	June	2	new description of life cycle
83	<i>Taphrocerus</i>		St. Andrews University campus	2016	July	26	unintentional collection
84	<i>Taphrocerus</i>		St. Andrews University campus	2018	September	10	
4	<i>Anisostena</i>	<i>lecontii</i>	St. Andrews University campus	2016	May	18	Chaelpini
5	<i>Baliosus</i>	<i>nervosus</i>	St. Andrews University campus	2015	June	2	also on Alnus serrulata
6	<i>Brachycoryna</i>	<i>pumila</i>	St. Andrews University campus	2015	July	21	not sure this one is here
7	<i>Chalepus</i>	<i>bicolor</i>	St. Andrews University campus	2015	June	2	
8	<i>Glyphuroplata</i>	<i>pluto</i>	St. Andrews University campus	2015	August	18	
9	<i>Mantura</i>	<i>floridana</i>	St. Andrews University campus	2015	early April		also on Oxalis dillenii
10	<i>Octotoma</i>	<i>plicatula</i>	St. Andrews University campus	2015	June	23	
11	<i>Odontata</i>	<i>horni</i>	St. Andrews University campus	2017	May	22	ID confirmed by DNA barcode, also
12	<i>Odontota</i>	<i>scapularis</i>	St. Andrews University campus	2015	May	15	excrement-covered egg mass on un
13	<i>Sumitrosis</i>	<i>pallescens</i>	St. Andrews University campus	2016	June	29	
14	<i>Sumitrosis</i>	<i>rosea</i>	St. Andrews University campus	2015	September	22	parasitized
15	<i>Agromyza</i>	<i>aristata</i>	St. Andrews University campus	2016	April	20	also on Ulmus alata and Celtis laevig
16	<i>Agromyza</i>	<i>arundinariae</i>	St. Andrews University campus	2017	June	2	new species
17	<i>Agromyza</i>	<i>pudica</i>	St. Andrews University campus	2016	May	18	side linear
18	<i>Agromyza</i>	<i>soka</i>	St. Andrews University campus	2015			new species, also on Wisteria floribu
19	<i>Agromyza</i>	<i>parca</i>	St. Andrews University campus	2017	May	3	emerged 5/7/2018 females
20	<i>Aulagromyza</i>	<i>orbitalis</i>	St. Andrews University campus	2015	April		
21	<i>Calycomyza</i>	<i>humeralis</i>	St. Andrews University campus	2016	March	31	I just examined these, and the line
22	<i>Calycomyza</i>	<i>malvae</i>	St. Andrews University campus	2015	August	17	larva emerged 8/18/2015
23	<i>Calycomyza</i>	<i>minor</i>	St. Andrews University campus	2015	late April		
24	<i>Calycomyza</i>	<i>platyptera</i>	St. Andrews University campus	2017	April	11	
25	<i>Calycomyza</i>	<i>promissa</i>	St. Andrews University campus	2015	August	17	emerged 8/18/2015
26	<i>Calycomyza</i>	<i>solidaginis</i>	St. Andrews University campus	2015	late April		
27	<i>Calycomyza</i>	<i>verbenae</i>	St. Andrews University campus	2016	August	16	probably
28	<i>Calycomyza</i>		St. Andrews University campus	2018	August	13	
29	<i>Cerodontha</i>	<i>angulata</i>	St. Andrews University campus	2017	January	18	

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	Genus	Species	location	year	month	day	Notes
30	<i>Cerodontha</i>	<i>dorsalis</i>	St. Andrews University campus	2017	April	20	also on <i>Agrostis hyemalis</i>
31	<i>Cerodontha</i>		St. Andrews University campus	2017	January	10	
32	<i>Cerodontha</i>	<i>saintandrewsensis</i>	St. Andrews University campus	2017	June	2	new species
33	<i>Japanagromyza</i>	<i>viridula</i>	St. Andrews University campus	2016	April	20	oak shothole miner
34	<i>Liriomyza</i>	<i>brassicae</i>	St. Andrews University campus	2016	April	25	<i>L. brassicae</i> , <i>L. sativae</i> , and <i>L. trifolii</i>
35	<i>Liriomyza</i>	<i>carphophori</i>	St. Andrews University campus	2015	May	15	new species
36	<i>Liriomyza</i>	<i>eupatorii</i>	St. Andrews University campus	2015	May	15	#1 (note spiral beginning)
37	<i>Liriomyza</i>	<i>fricki</i>	St. Andrews University campus	2015	May	15	the mine that is linear throughout it
38	<i>Liriomyza</i>	<i>schmidti</i>	St. Andrews University campus	2016	August	30	first confirmed record north of South
39	<i>Liriomyza</i>	<i>trifolii</i>	St. Andrews University campus	2015	June	2	also on <i>Mecardonia acuminata</i>
40	<i>Liriomyza</i>	<i>triodanidis</i>	St. Andrews University campus	2016	May	4	new species
41	<i>Liriomyza</i>		St. Andrews University campus	2018	April	3	could be taraxaci--complex
42	<i>Nemorimyza</i>	<i>maculosa</i>	St. Andrews University campus	2016	June	29	
43	<i>Nemorimyza</i>	<i>posticata</i>	St. Andrews University campus	2015	May	15	#8-9 and "Calycomyza maybe"
44	<i>Ophiomyia</i>	<i>beckeri</i>	St. Andrews University campus	2017	April	10	emerged 5/18/2017
45	<i>Ophiomyia</i>	<i>parda</i>	St. Andrews University campus	2017	March	13	Ophiomyia maybe
46	<i>Ophiomyia</i>		St. Andrews University campus	2018	August	13	stem miner
47	<i>Ophiomyia</i>	<i>pulicaria</i>	St. Andrews University campus	2015	June	2	also on <i>H. radicata</i>
48	<i>Phytoliriomyza</i>	<i>clara</i>	St. Andrews University campus	2017	May	10	
49	<i>Phytoliriomyza</i>	<i>felti</i>	St. Andrews University campus	2017	November	28	
50	<i>Phytomyza</i>	<i>vomitariae</i>	St. Andrews University campus	2015			
51	<i>Phytomyza</i>	<i>glabricola</i>	St. Andrews University campus	2015	June	2	
52	<i>Phytomyza</i>	<i>opacae</i>	St. Andrews University campus	2015	February		
53	<i>Phytomyza</i>	<i>plantaginis</i>	St. Andrews University campus	2015	June	2	
54	<i>Phytomyza</i>	<i>sempervirentis</i>	St. Andrews University campus	2016	April	14	new species discovered by C. Eise
55	<i>Phytomyza</i>		St. Andrews University campus	2015	May	15	<i>albiceps</i> species group; worth collect
56	<i>Phytomyza</i>		St. Andrews University campus	2015	May	15	#6; <i>albiceps</i> species group; note fr
57	<i>Phytomyza</i>	<i>albiceps</i>	St. Andrews University campus	2015	early April		could be new species
58	<i>Phytomyza</i>	<i>crassiseta</i>	St. Andrews University campus	2016	May	2	
59	<i>Phytomyza</i>	<i>illicicola</i>	St. Andrews University campus	2015			
60	<i>Phytomyza</i>	<i>omlandi</i>	St. Andrews University campus	2015			

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	Genus	Species	location	year	month	day	Notes
61	Phytomyza	<i>solidaginophaga</i>	St. Andrews University campus	2015	early April		??
62			St. Andrews University campus	2015			
63	<i>Pegomya</i>	<i>atlanis</i>	St. Andrews University campus	2017	May	4	larva emerged 5/11/2017, adult em
64	<i>Pegomya</i>	<i>bicolor</i>	St. Andrews University campus	2017	April	10	
65	<i>Pegomya</i>	<i>wygodzinskyi</i>	St. Andrews University campus	2016	September	15	new host record
66	<i>Metallus</i>	<i>rohweri</i>	St. Andrews University campus	2018	November	14	
67	<i>Cycloplasis</i>	<i>immaculata</i>	St. Andrews University campus	2017	May	2	linear trail
68	<i>Bedellia</i>	<i>somnulentella</i>	St. Andrews University campus	2016	October	5	blotches
69	<i>Bucculatrix</i>	<i>agnella or ambrosiaefoli</i>	St. Andrews University campus	2016	September	19	Either <i>Bucculatrix agnella</i> or <i>B. am</i>
70	<i>Bucculatrix</i>	<i>angustata</i>	St. Andrews University campus	2018	April	10	
71	<i>Bucculatrix</i>	<i>ivella</i>	St. Andrews University campus	2015	May	15	
72	<i>Bucculatrix</i>	<i>pomifoliella</i>	St. Andrews University campus	2015	November	11	
73	<i>Bucculatrix</i>		St. Andrews University campus	2015	November	30	
74	<i>Bucculatrix</i>		St. Andrews University campus	2017	October	16	parasitized
75	<i>Bucculatrix</i>	<i>staintonella</i>	St. Andrews University campus	2018	September	4	Terry Harrison dissected an adult a
76	<i>Tebenna</i>	<i>gnaphaliella</i>	St. Andrews University campus	2016	April	11	partial miner
77	<i>Coleophora</i>		St. Andrews University campus	2015	May	15	need to see larval case to ID to spec
78			St. Andrews University campus	2016	August	17	none known from this host
79	<i>Cosmopterix</i>	<i>astrapias</i>	St. Andrews University campus	2016	August	30	
80	<i>Cosmopterix</i>	<i>clemensella</i>	St. Andrews University campus	2016	September	9	
81	<i>Cosmopterix</i>		St. Andrews University campus	2016	August	31	branched mine
82	<i>Stilbosis</i>		St. Andrews University campus	2016	August	31	
85	<i>Elachista</i>	<i>illectella</i>	St. Andrews University campus	2016	May	18	Gelichiid like miner
86	<i>Dyseriocrania</i>	<i>griseocapitella</i>	St. Andrews University campus	2016	April	26	
87	<i>Eriocraniella</i>	<i>platyptera</i>	St. Andrews University campus	2015	April		See SA322 for possible <i>E. platyptera</i>
88	<i>Scrobipalpula</i>		St. Andrews University campus	2017	May	10	
89	<i>Keiferia</i>	<i>inconspicuell</i>	St. Andrews University campus	2016	August	30	
90	<i>Coleotechnites</i>		St. Andrews University campus	2019	May	8	
91	<i>Acrocercops</i>	<i>albinatella</i>	St. Andrews University campus	2015	November	24	green raised trail, shiny brown on o
92	<i>Caloptilia</i>	<i>azaleella</i>	St. Andrews University campus	2016	June	29	
93	<i>Caloptilia</i>	<i>hypericella</i>	St. Andrews University campus	2015	June	2	also on <i>Hypericum hypericoides</i> and

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	Genus	Species	location	year	month	day	Notes
94	<i>Caloptilia</i>	<i>rhoifoliella</i>	St. Andrews University campus	2015	August	20	
95	<i>Caloptilia</i>	<i>sassafrasella</i>	St. Andrews University campus	2016	April	12	partial miner
96	<i>Caloptilia</i>	<i>stigmatella</i>	St. Andrews University campus	2016	September	9	
97	<i>Caloptilia</i>	<i>violacella</i>	St. Andrews University campus	2015	late April		leaf miner/leaf roller
98	<i>Caloptilia</i>	<i>porphyretica</i>	St. Andrews University campus	2019	May	8	adult emerged 5/26/2019
99	<i>Caloptilia</i>		St. Andrews University campus	2016	May	5	
100	<i>Cameraria</i>	<i>caryaefoliella</i>	St. Andrews University campus	2015	June	2	messy frass
102	<i>Cameraria</i>	<i>guttifinitella</i>	St. Andrews University campus	2015	June	2	
103	<i>Cameraria</i>	<i>quercivorella</i>	St. Andrews University campus	2016	June	7	blotch thin at start
104	<i>Cameraria</i>	<i>saccarella</i>	St. Andrews University campus	2017	July	18	
105	<i>Cameraria</i>	<i>ulmella</i>	St. Andrews University campus	2017	July	18	
106	<i>Cameraria</i>		St. Andrews University campus	2015	September	22	
107	<i>Chrysaster</i>	<i>ostensackenella</i>	St. Andrews University campus	2015	October	12	
108	<i>Cremastobombycia</i>	<i>solidaginis</i>	St. Andrews University campus	2016	June	29	
109	<i>Leucospilapteryx</i>	<i>venustella</i>	St. Andrews University campus	2015	August	17	larva emerged 8/18/2015
110	<i>Macrosaccus</i>	<i>robiniella</i>	St. Andrews University campus	2018	August	14	adult emerged 8/22/2018
111	<i>Marmara</i>	<i>fasciella</i>	St. Andrews University campus	2017	January	18	
112	<i>Marmara</i>	<i>serotinella</i>	St. Andrews University campus	2017	January	10	stem miner
113	<i>Marmara</i>		St. Andrews University campus	2016	September	28	
114	<i>Marmara</i>		St. Andrews University campus	2016	August		
115	<i>Marmara</i>		St. Andrews University campus	2017	January	10	
116	<i>Marmara</i>		St. Andrews University campus	2017	January	31	yes
117	<i>Marmara</i>		St. Andrews University campus	2018	August	13	stem miner, also on E. compositifoli
118	<i>Marmara</i>		St. Andrews University campus	2017	January	12	
119	<i>Marmara</i>		St. Andrews University campus	2017	August	23	
120	<i>Marmara</i>		St. Andrews University campus	2018	December	3	stem miner
121	<i>Marmara</i>		St. Andrews University campus	2018	November	14	
122	<i>Marmara</i>		St. Andrews University campus	2018	December	19	stem miner
123	<i>Marmara</i>	<i>smilacisella</i>	St. Andrews University campus	2015			
124	<i>Micrurapteryx</i>	<i>salicifoliella</i>	St. Andrews University campus	2017	August	16	
125	<i>Neurobathra</i>	<i>strigifinitella</i>	St. Andrews University campus	2015	September	7	

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ref	Genus	Species	location	year	month	day	Notes
126	New-genus-near-neurobathra new-species		St. Andrews University campus	2016	October	3	
127	<i>Parectopa</i>	<i>plantaginisel</i>	St. Andrews University campus	2016	May	6	
128	<i>Parectopa</i>	<i>robiniella</i>	St. Andrews University campus	2015	June	23	
129	<i>Parornix</i>	<i>geminatella</i>	St. Andrews University campus	2015	November	11	
130	<i>Phyllocnistis</i>	<i>ampelopsiella</i>	St. Andrews University campus	2018	August	13	
131	<i>Phyllocnistis</i>	<i>liquidambarisella</i>	St. Andrews University campus	2015	June	2	
132	<i>Phyllocnistis</i>	<i>liriodendronella</i>	St. Andrews University campus	2015	late April		
133	<i>Phyllocnistis</i>	<i>subpersea or longipalpa</i>	St. Andrews University campus	2016	March	14	
134	<i>Phyllocnistis</i>	<i>vitegenella</i>	St. Andrews University campus	2015	May	15	clear mine, shiny
135	<i>Phyllocnistis</i>	<i>vitifoliella</i>	St. Andrews University campus	2015	May	15	liine in the center
136	<i>Phyllocnistis</i>		St. Andrews University campus	2015	November	11	undescribed species
137	<i>Phyllocnistis</i>		St. Andrews University campus	2015	November	24	undescribed species
138	<i>Phyllocnistis</i>	<i>hyperpersea</i>	St. Andrews University campus	2015	June	23	
139	<i>Phyllocnistis</i>	<i>insignis</i>	St. Andrews University campus	2015	early April		also on Erectites hieracifolia; SA416
140	<i>Phyllonorycter</i>	<i>aeriferella</i>	St. Andrews University campus	2017	November	7	
141	<i>Phyllonorycter</i>	<i>affinis</i>	St. Andrews University campus	2016	June	29	
142	<i>Phyllonorycter</i>	<i>argentinetella</i>	St. Andrews University campus	2017	November	1	Emerged 5/19/2018
143	<i>Phyllonorycter</i>	<i>celtisella</i>	St. Andrews University campus	2016	October	18	
144	<i>Phyllonorycter</i>	<i>fitchella</i>	St. Andrews University campus	2017	October	31	adult emerged 5/7/2018
145	<i>Phyllonorycter</i>		St. Andrews University campus	2016	August	23	tent-maker
146	<i>Phyllonorycter</i>	<i>occitanica</i>	St. Andrews University campus	2018	August	13	adult emerged 8/21/2018
147	<i>Phyllonorycter</i>	<i>trinotella</i>	St. Andrews University campus	2017	August	22	emerged 8/24/2017
148	<i>Phyllonorycter</i>	<i>aberrans</i>	St. Andrews University campus	2015	June	23	also on many other species--Lesped
149	<i>Porphyrosela</i>	<i>desmodiella</i>	St. Andrews University campus	2015	September	30	also on Lespedeza violacea and othe
150	<i>Porphyrosela</i>	<i>minuta</i>	St. Andrews University campus	2015	September		
151	Possible-new-genus-on-dichanthelium new-s		St. Andrews University campus	2016	May	18	balloon end miner
152			St. Andrews University campus	2015	December	7	<i>Parornix</i> or <i>Caloptilia</i> , although abo
153	<i>Antispila</i>	<i>cf-viticordifoliella</i>	St. Andrews University campus	2015	June	2	
154	<i>Antispila</i>	<i>cornifoliella</i>	St. Andrews University campus	2016	August	16	
155	<i>Antispila</i>		St. Andrews University campus	2016	October	4	
156	<i>Antispila</i>		St. Andrews University campus	2016	November	9	

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	<u>Genus</u>	<u>Species</u>	location	year	month	day	<u>Notes</u>
157	<i>Coptodisca</i>	<i>diospyriella</i>	St. Andrews University campus	2015	July	21	
158	<i>Coptodisca</i>	<i>splendoriferella</i>	St. Andrews University campus	2015	September	22	
159	<i>Coptodisca</i>	<i>undescribed species</i>	St. Andrews University campus	2015	July	21	
160	<i>Coptodisca</i>		St. Andrews University campus	2015	November	13	
161	<i>Coptodisca</i>	<i>lucifluella</i>	St. Andrews University campus	2015	June	2	very tiny mine on leaf tip of SA50
162	<i>Paraleucoptera</i>	<i>albella</i>	St. Andrews University campus	2017	July	18	
163	<i>Proleucoptera</i>	<i>smilaciella</i>	St. Andrews University campus	2015	June	2	
164	<i>Mompha</i>	<i>passerella</i>	St. Andrews University campus	2016	August	30	
165	<i>Mompha</i>	<i>solomoni</i>	St. Andrews University campus	2015	June	2	
166	<i>Ectoedemia</i>	<i>clemensella</i>	St. Andrews University campus	2015	November	30	
167	<i>Ectoedemia</i>	<i>platanella</i>	St. Andrews University campus	2015	November	30	aborted mines
168	<i>Ectoedemia</i>	<i>similella</i>	St. Andrews University campus	2017	July	18	
169	<i>Ectoedemia</i>	<i>ulmella</i>	St. Andrews University campus	2016	October	27	blotch
170	<i>Ectoedemia</i>	<i>nyssaefoliella</i>	St. Andrews University campus	2015	June	23	
171	<i>Ectoedemia</i>	<i>trinotata</i>	St. Andrews University campus	2019	August	19	
172	<i>Stigmella</i>	<i>apicalbella</i>	St. Andrews University campus	2016	October	27	
173	<i>Stigmella</i>	<i>myricafoliella</i>	St. Andrews University campus	2019	September	12	
174	<i>Stigmella</i>	<i>betulicola group</i>	St. Andrews University campus	2015	November	30	looks like <i>Stigmella</i>
175	<i>Stigmella</i>	<i>betulicola group</i>	St. Andrews University campus	2017	August	17	
176	<i>Stigmella</i>	<i>corylifoliella</i>	St. Andrews University campus	2015	December	9	linear curved mines
177	<i>Stigmella</i>	<i>fuscotibiella</i>	St. Andrews University campus	2017	August	22	
178	<i>Stigmella</i>	<i>intermedia</i>	St. Andrews University campus	2015	June	23	
179	<i>Stigmella</i>	<i>quercipulchella</i>	St. Andrews University campus	2015	September	7	
180	<i>Stigmella</i>	<i>rhoifoliella</i>	St. Andrews University campus	2015	September	8	
181	<i>Stigmella</i>	<i>rosaefoliella</i>	St. Andrews University campus	2018	November	13	
182	<i>Stigmella</i>	<i>sclerostylota</i>	St. Andrews University campus	2016	September	14	not macrocarpae--unmarked black f
183	<i>Stigmella</i>	<i>villosella</i>	St. Andrews University campus	2018	November	26	
184	<i>Stigmella</i>	<i>caryaefoliella</i>	St. Andrews University campus	2015	June	2	
185	<i>Stigmella</i>	<i>prunifoliella</i>	St. Andrews University campus	2015	May	15	
186	<i>Glaucolepis</i>	<i>saccarella</i>	St. Andrews University campus	2016	August	16	also on <i>Acer rubrum</i> , see SA520
187	<i>Plutella</i>	<i>xylostella</i>	St. Andrews University campus	2016	May	6	diamondback moth

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	Genus	Species	location	year	month	day	Notes
188	<i>Acrobasis</i>	<i>cirroferella</i>	St. Andrews University campus	2017	September	6	not a miner
189	<i>Acrobasis</i>	<i>rubrifasciella</i>	St. Andrews University campus	2017	October	11	Acrobasis-like
190	<i>Acrobasis</i>	<i>minimella</i>	St. Andrews University campus	2016	June	7	not a miner
191	<i>Astrotischeria</i>	<i>ambrosiaeella</i>	St. Andrews University campus	2016	September	19	
192	<i>Astrotischeria</i>	<i>solidagonifoliella</i>	St. Andrews University campus	2017	August	21	
193	<i>Coptotriche</i>	<i>zelleriella</i>	St. Andrews University campus	2016	June	7	blotch-tent
194	<i>Coptotriche</i>	<i>badiiella</i>	St. Andrews University campus	2017	October	31	exclusively on Q. alba
195	<i>Coptotriche</i>	<i>castanaeella</i>	St. Andrews University campus	2016	September	21	widening linear mine
196	<i>Coptotriche</i>	<i>fuscomarginella</i>	St. Andrews University campus	2017	November	7	adult emerged 5/12/2018
197	<i>Coptotriche</i>		St. Andrews University campus	2017	November	7	
198	<i>Coptotriche</i>	<i>aenea</i>	St. Andrews University campus	2015	June	23	
199	<i>Coptotriche</i>		St. Andrews University campus	2015	October	13	
200	<i>Tischeria</i>	<i>quercitella</i>	St. Andrews University campus	2016	October	17	blotch with raised center
201	<i>Cenopsis</i>	<i>lamberti</i>	St. Andrews University campus	2016	July	26	probably--known only from larva on
202	<i>Rhopobota</i>	<i>dietziana</i>	St. Andrews University campus	2015			also on Ilex vomitoria not a normal
203	<i>Cycloplasis</i>	<i>panicifoliella</i>	St. Andrews University campus	2017	January	18	or immaculata?
204	<i>Pococera</i>	<i>melanogrammos</i>	St. Andrews University campus	2017	September	25	leaf tier, ID based upon one reared a
205	<i>Anania</i>	<i>extricalis</i>	St. Andrews University campus	2018	August	20	not a miner--leaf folder
206	<i>Platynota</i>	<i>stultana</i>	St. Andrews University campus	2018	September	10	leaf tier red larvae
207	<i>Filatima</i>	<i>serotinella</i>	St. Andrews University campus	2018	September	10	frass tube feeder, emerged 9/27/20
208	<i>Eumarozia</i>	<i>malachitana</i>	St. Andrews University campus	2018	August	28	leaf sewer, adult emerged 9/14/201
209	<i>Pleuroptya</i>	<i>silicalis</i>	St. Andrews University campus	2018	September	10	leaf tier, Pyralid
210	<i>Pococera</i>	<i>robustella</i>	St. Andrews University campus	2018	October	8	leaf tier

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	Genus	Species		notes2	NorthGPS	WestGPS
1	<i>Brachys</i>	<i>ovatus</i>		leafminer	34.73941	-79.4775
2	<i>Pachyschelus</i>	<i>laevigatus</i>		leafminer	34.73959	-79.4777
3	<i>Pachyschelus</i>	<i>nicolayi</i>	also on Apios?	leafminer	34.74036	-79.4801
83	<i>Taphrocerus</i>			leafminer	34.73421	-79.4814
84	<i>Taphrocerus</i>			leafminer	34.74042	-79.4762
4	<i>Anisostena</i>	<i>lecontii</i>		leafminer	34.74073	-79.4736
5	<i>Baliosus</i>	<i>nervosus</i>		leafminer	34.74523	-79.4845
6	<i>Brachycoryna</i>	<i>pumila</i>	side blotch pumila is simila	leafminer	34.73753	-79.4774
7	<i>Chalepus</i>	<i>bicolor</i>		leafminer	34.74073	-79.4737
8	<i>Glyphuroplata</i>	<i>pluto</i>		leafminer	34.73943	-79.4791
9	<i>Mantura</i>	<i>floridana</i>		leafminer	34.73815	-79.4757
10	<i>Octotoma</i>	<i>plicatula</i>		leafminer	34.73975	-79.4779
11	<i>Odontata</i>	<i>horni</i>		leafminer	34.73912	-79.4779
12	<i>Odontota</i>	<i>scapularis</i>		leafminer	34.74527	-79.4845
13	<i>Sumitrosis</i>	<i>pallescens</i>		leafminer	34.7393	-79.4785
14	<i>Sumitrosis</i>	<i>rosea</i>		leafminer	34.73939	-79.4786
15	<i>Agromyza</i>	<i>aristata</i>		leafminer	34.74134	-79.4863
16	<i>Agromyza</i>	<i>arundinariae</i>		leafminer	34.73795	-79.4729
17	<i>Agromyza</i>	<i>pudica</i>	Identified by Owen Lonsda	leafminer	34.74032	-79.4764
18	<i>Agromyza</i>	<i>soka</i>		leafminer	34.74129	-79.4854
19	<i>Agromyza</i>	<i>parca</i>		leafminer		
20	<i>Aulagromyza</i>	<i>orbitalis</i>		leafminer	34.74086	-79.4763
21	<i>Calycomyza</i>	<i>humeralis</i>		leafminer	34.74039	-79.4761
22	<i>Calycomyza</i>	<i>malvae</i>	also on <i>Centrosema virgini</i>	leafminer	34.73857	-79.4765
23	<i>Calycomyza</i>	<i>minor</i>		leafminer	34.74133	-79.4762
24	<i>Calycomyza</i>	<i>platyptera</i>		leafminer	34.74137	-79.4763
25	<i>Calycomyza</i>	<i>promissa</i>		leafminer	34.74012	-79.4799
26	<i>Calycomyza</i>	<i>solidaginis</i>		leafminer	34.73838	-79.4762
27	<i>Calycomyza</i>	<i>verbenae</i>		leafminer	34.73838	-79.4763
28	<i>Calycomyza</i>			leafminer	34.74157	-79.4865
29	<i>Cerodontha</i>	<i>angulata</i>		leafminer	34.73801	-79.4752

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	Genus	Species	notes2	NorthGPS	WestGPS
30	<i>Cerodontha</i>	<i>dorsalis</i>		leafminer	34.73967 -79.4782
31	<i>Cerodontha</i>			leafminer	34.74021 -79.476
32	<i>Cerodontha</i>	<i>saintandrewsensis</i>		leafminer	34.73795 -79.4729
33	<i>Japanagromyza</i>	<i>viridula</i>		leafminer	34.7405 -79.4756
34	<i>Liriomyza</i>	<i>brassicae</i>		leafminer	34.74111 -79.4764
35	<i>Liriomyza</i>	<i>carphephorii</i>	definitely worth collecting	leafminer	34.74018 -79.4744
36	<i>Liriomyza</i>	<i>eupatorii</i>		leafminer	34.73832 -79.476
37	<i>Liriomyza</i>	<i>frickii</i>		leafminer	34.74043 -79.4812
38	<i>Liriomyza</i>	<i>schmidtii</i>		leafminer	34.73966 -79.4796
39	<i>Liriomyza</i>	<i>trifolii</i>		leafminer	34.74055 -79.4806
40	<i>Liriomyza</i>	<i>triodanidis</i>		leafminer	34.74122 -79.4852
41	<i>Liriomyza</i>			leafminer	34.739 -79.4779
42	<i>Nemorimyza</i>	<i>maculosa</i>		leafminer	34.73942 -79.4793
43	<i>Nemorimyza</i>	<i>posticata</i>		leafminer	34.73834 -79.4761
44	<i>Ophiomyia</i>	<i>beckeri</i>	confirmed by Owen Lonsdale	leafminer	34.73895 -79.477
45	<i>Ophiomyia</i>	<i>parda</i>		leafminer	34.7384 -79.4762
46	<i>Ophiomyia</i>			leafminer	34.73943 -79.4793
47	<i>Ophiomyia</i>	<i>pulicaria</i>		leafminer	34.74522 -79.4844
48	<i>Phytoliriomyza</i>	<i>clara</i>		leafminer	34.74001 -79.4752
49	<i>Phytoliriomyza</i>	<i>felti</i>		leafminer	34.73759 -79.4749
50	<i>Phytomyza</i>	<i>vomitariae</i>		leafminer	34.73928 -79.4784
51	<i>Phytomyza</i>	<i>glabricola</i>		leafminer	34.73496 -79.4802
52	<i>Phytomyza</i>	<i>opacae</i>		leafminer	34.74044 -79.4804
53	<i>Phytomyza</i>	<i>plantaginis</i>		leafminer	34.73983 -79.48
54	<i>Phytomyza</i>	<i>sempervirentis</i>		leafminer	34.7408 -79.4763
55	<i>Phytomyza</i>			leafminer	34.7413 -79.4762
56	<i>Phytomyza</i>			leafminer	34.73831 -79.4761
57	<i>Phytomyza</i>	<i>albiceps</i>		leafminer	34.74 -79.4776
58	<i>Phytomyza</i>	<i>crassiseta</i>		leafminer	34.7412 -79.4845
59	<i>Phytomyza</i>	<i>ilicicola</i>		leafminer	34.74044 -79.4804
60	<i>Phytomyza</i>	<i>omlandi</i>		leafminer	34.73965 -79.4796

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	Genus	Species	notes2	NorthGPS	WestGPS
61	Phytomyza	<i>solidaginophaga</i>		leafminer	34.73831 -79.4761
62				leafminer	34.7383 -79.4761
63	<i>Pegomya</i>	<i>atlanis</i>		leafminer	34.74122 -79.4845
64	<i>Pegomya</i>	<i>bicolor</i>		leafminer	34.74525 -79.4843
65	<i>Pegomya</i>	<i>wygodzinskyi</i>	emerged by 10/3/2016	leafminer	34.74023 -79.4817
66	<i>Metallus</i>	<i>rohweri</i>		leafminer	34.73848 -79.4763
67	<i>Cycloplasis</i>	<i>immaculata</i>		leafminer	34.74121 -79.4763
68	<i>Bedellia</i>	<i>somnulentella</i>		leafminer	34.73841 -79.4763
69	<i>Bucculatrix</i>	<i>agnella or ambrosiaefoliella</i>		leafminer	34.73968 -79.4796
70	<i>Bucculatrix</i>	<i>angustata</i>		leafminer	34.73842 -79.4762
71	<i>Bucculatrix</i>	<i>ivella</i>		leafminer	34.74524 -79.4844
72	<i>Bucculatrix</i>	<i>pomifoliella</i>		leafminer	34.73967 -79.478
73	<i>Bucculatrix</i>			leafminer	34.74486 -79.485
74	<i>Bucculatrix</i>			leafminer	34.74124 -79.4863
75	<i>Bucculatrix</i>	<i>staintonella</i>			
76	<i>Tebenna</i>	<i>gnaphaliella</i>		leafminer	34.7453 -79.4855
77	<i>Coleophora</i>			leafminer	34.74519 -79.4846
78				leafminer	34.74031 -79.48
79	<i>Cosmopterix</i>	<i>astrapias</i>		leafminer	34.73836 -79.4763
80	<i>Cosmopterix</i>	<i>clemensella</i>		leafminer	34.74042 -79.4762
81	<i>Cosmopterix</i>		http://bugguide.net/node/	leafminer	34.73942 -79.4792
82	<i>Stilbosis</i>			leafminer	34.74035 -79.4757
85	<i>Elachista</i>	<i>illectella</i>	spun cocoon 5/24/2016	leafminer	34.74068 -79.4769
86	<i>Dyseriocrania</i>	<i>griseocapitella</i>		leafminer	34.74023 -79.4773
87	<i>Eriocraniella</i>	<i>platyptera</i>		leafminer	34.74035 -79.4755
88	<i>Scrobipalpula</i>			leafminer	34.74063 -79.4771
89	<i>Keiferia</i>	<i>inconspicuella</i>		leafminer	34.73945 -79.4788
90	<i>Coleotechnites</i>			leafminer	34.74201 -79.4841
91	<i>Acrocercops</i>	<i>albinatella</i>		leafminer	34.7452 -79.4846
92	<i>Caloptilia</i>	<i>azaleella</i>		leafminer	34.73984 -79.4796
93	<i>Caloptilia</i>	<i>hypericella</i>		leafminer	34.73477 -79.4805

Terry Harrison identified the reared adult as *l*

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	Genus	Species	notes2	NorthGPS	WestGPS		
94	<i>Caloptilia</i>	<i>rhoifoliella</i>		leafminer	34.7387	-79.4772	
95	<i>Caloptilia</i>	<i>sassafrasella</i>		leafminer	34.7394	-79.4775	
96	<i>Caloptilia</i>	<i>stigmatella</i>		leafminer	34.74108	-79.4768	
97	<i>Caloptilia</i>	<i>violacella</i>		leafminer	34.74126	-79.4763	
98	<i>Caloptilia</i>	<i>porphyretica</i>	species ID unclear	leafminer	34.74063	-79.4761	The adult matches the original description of
99	<i>Caloptilia</i>			leafminer	34.74041	-79.4761	34.73814 -79.4746
100	<i>Cameraria</i>	<i>caryaefoliella</i>		leafminer	34.74043	-79.4758	
102	<i>Cameraria</i>	<i>guttifinitella</i>		leafminer	34.74057	-79.4763	
103	<i>Cameraria</i>	<i>quercivorella</i>		leafminer	34.73927	-79.4799	
104	<i>Cameraria</i>	<i>saccarella</i>		leafminer	34.73924	-79.4799	
105	<i>Cameraria</i>	<i>ulmella</i>		leafminer	34.74139	-79.4864	
106	<i>Cameraria</i>			leafminer	34.74517	-79.4848	
107	<i>Chrysaster</i>	<i>ostensackenella</i>		leafminer	34.74126	-79.4853	
108	<i>Cremastobombycia</i>	<i>solidaginis</i>		leafminer	34.7382	-79.475	
109	<i>Leucospilapteryx</i>	<i>venustella</i>	also on Mikania scandens	leafminer	34.73969	-79.4796	
110	<i>Macrosaccus</i>	<i>robiniella</i>		leafminer	34.7426	-79.4812	
111	<i>Marmara</i>	<i>fasciella</i>		leafminer	34.73966	-79.4798	
112	<i>Marmara</i>	<i>serotinella</i>		leafminer	34.73964	-79.478	
113	<i>Marmara</i>			leafminer	34.73955	-79.4777	34.74034 -79.4772
114	<i>Marmara</i>			leafminer	34.73881	-79.4763	34.74005 -79.4754
115	<i>Marmara</i>			leafminer	34.73969	-79.4778	34.73935 -79.4796
116	<i>Marmara</i>			leafminer	34.73962	-79.4799	34.7454 -79.4841
117	<i>Marmara</i>			leafminer	34.73912	-79.48	34.73923 -79.4774
118	<i>Marmara</i>			leafminer	34.73968	-79.479	
119	<i>Marmara</i>			leafminer	34.7412	-79.4862	
120	<i>Marmara</i>			leafminer	34.73722	-79.4778	
121	<i>Marmara</i>			leafminer	34.73849	-79.4765	
122	<i>Marmara</i>			leafminer	34.74407	-79.4875	
123	<i>Marmara</i>	<i>smilacisella</i>		leafminer	34.73979	-79.4798	34.7382 -79.4748
124	<i>Micrurapteryx</i>	<i>salicifoliella</i>		leafminer	34.74525	-79.4846	
125	<i>Neurobathra</i>	<i>strigifinitella</i>		leafminer	34.74509	-79.4849	

Leafminers and Leaf Tiers of St. Andrews University Campus

ref	Genus	Species	notes2	NorthGPS	WestGPS		
126	New-genus-near-neurobathra new-species		leafminer	34.7395	-79.4804	34.73966	-79.4782
127	<i>Parectopa</i>	<i>plantaginisel</i>	leafminer	34.73817	-79.475		
128	<i>Parectopa</i>	<i>robiniella</i>	leafminer	34.74129	-79.4854		
129	<i>Parornix</i>	<i>geminatella</i>	leafminer	34.73976	-79.4778	34.74521	-79.4845
130	<i>Phyllocnistis</i>	<i>ampelopsiella</i>	leafminer	34.74048	-79.4772		
131	<i>Phyllocnistis</i>	<i>liquidambarisella</i>	leafminer	34.73978	-79.4778		
132	<i>Phyllocnistis</i>	<i>liriodendronella</i>	leafminer	34.73967	-79.4798		
133	<i>Phyllocnistis</i>	<i>subpersea or longipalpa</i>	leafminer	34.73783	-79.4734		
134	<i>Phyllocnistis</i>	<i>vitegenella</i>	leafminer	34.73973	-79.4798		
135	<i>Phyllocnistis</i>	<i>vitifoliella</i>	leafminer	34.74044	-79.4771		
136	<i>Phyllocnistis</i>		leafminer	34.73989	-79.4751	34.73779	-79.4735
137	<i>Phyllocnistis</i>		leafminer	34.74524	-79.4845	34.74015	-79.476
138	<i>Phyllocnistis</i>	<i>hyperpersea</i>	leafminer	34.73783	-79.4734		
139	<i>Phyllocnistis</i>	<i>insignis</i>	leafminer	34.73507	-79.4801	34.73815	-79.4749
140	<i>Phyllonorycter</i>	<i>aeriferella</i>	leafminer	34.74011	-79.4743		
141	<i>Phyllonorycter</i>	<i>affinis</i>	leafminer	34.74082	-79.4763		
142	<i>Phyllonorycter</i>	<i>argentinetella</i>	leafminer	34.74129	-79.4863	<i>argentinetella</i> mines are strongly wrinkled or	
143	<i>Phyllonorycter</i>	<i>celtisella</i>	leafminer	34.7414	-79.4839		
144	<i>Phyllonorycter</i>	<i>fitchella</i>	leafminer	34.74036	-79.4738		
145	<i>Phyllonorycter</i>		parasitoid emerged 8/26	34.74084	-79.4763		
146	<i>Phyllonorycter</i>	<i>occitanica</i>	leafminer	34.7414	-79.4864		
147	<i>Phyllonorycter</i>	<i>trinotella</i>	leafminer	34.73853	-79.4763		
148	<i>Phyllonorycter</i>	<i>aberrans</i>	leafminer	34.73781	-79.4734	34.73967	-79.4778
149	<i>Porphyrosela</i>	<i>desmodiella</i>	leafminer	34.73937	-79.4786		
150	<i>Porphyrosela</i>	<i>minuta</i>	leafminer	34.7399	-79.4797	34.74048	-79.4807 34.74125 -79.4854
151	Possible-new-genus-on-dichantheium new-species		leafminer	34.74035	-79.4762		
152			leafminer	34.7379	-79.473		
153	<i>Antispila</i>	<i>cf-viticordifoliella</i>	leafminer	34.73963	-79.4797		
154	<i>Antispila</i>	<i>cornifoliella</i>	leafminer	34.74391	-79.4875		
155	<i>Antispila</i>		leafminer	34.74016	-79.4759		
156	<i>Antispila</i>		leafminer	34.73952	-79.4783		

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ref	Genus	Species	notes2	NorthGPS	WestGPS			
157	<i>Coptodisca</i>	<i>diospyriella</i>		leafminer	34.74037	-79.4755		
158	<i>Coptodisca</i>	<i>splendoriferella</i>		leafminer	34.73843	-79.4761		
159	<i>Coptodisca</i>	<i>undescribed species</i>		leafminer	34.73948	-79.4804	****	
160	<i>Coptodisca</i>			leafminer	34.73774	-79.4735		
161	<i>Coptodisca</i>	<i>lucifluella</i>		leafminer	34.74066	-79.4744		
162	<i>Paraleucoptera</i>	<i>albella</i>		leafminer	34.74529	-79.4846		
163	<i>Proleucoptera</i>	<i>smilaciella</i>		leafminer	34.7409	-79.4763		
164	<i>Mompha</i>	<i>passerella</i>		leafminer	34.73941	-79.4776	34.73788	-79.4767
165	<i>Mompha</i>	<i>solomoni</i>		leafminer	34.74017	-79.4799	34.74079	-79.4763
166	<i>Ectoedemia</i>	<i>clemensella</i>		leafminer	34.74475	-79.485		
167	<i>Ectoedemia</i>	<i>platanella</i>		leafminer	34.74472	-79.4849		
168	<i>Ectoedemia</i>	<i>similella</i>		leafminer	34.74036	-79.4751		
169	<i>Ectoedemia</i>	<i>ulmella</i>		leafminer	34.74279	-79.4869		
170	<i>Ectoedemia</i>	<i>nyssaefoliella</i>		leafminer	34.73969	-79.4789		
171	<i>Ectoedemia</i>	<i>trinotata</i>						
172	<i>Stigmella</i>	<i>apicalbella</i>		leafminer	34.7413	-79.4863	34.74281	-79.4869
173	<i>Stigmella</i>	<i>myricafoliella</i>		leafminer	34.73952	-79.4804		
174	<i>Stigmella</i>	<i>betulicola group</i>		leafminer	34.74521	-79.4846		
175	<i>Stigmella</i>	<i>betulicola group</i>		leafminer	34.74127	-79.4809		
176	<i>Stigmella</i>	<i>corylifoliella</i>		leafminer	34.73773	-79.4737		
177	<i>Stigmella</i>	<i>fuscotibiella</i>		leafminer	34.74526	-79.4846		
178	<i>Stigmella</i>	<i>intermedia</i>		leafminer	34.74389	-79.4873		
179	<i>Stigmella</i>	<i>quercipulchella</i>		leafminer	34.73831	-79.4761		
180	<i>Stigmella</i>	<i>rhoifoliella</i>		leafminer	34.74297	-79.4775		
181	<i>Stigmella</i>	<i>rosaefoliella</i>		leafminer	34.73845	-79.4764		
182	<i>Stigmella</i>	<i>sclerostylota</i>	emerged 5/28/2017	leafminer	34.73985	-79.4787		
183	<i>Stigmella</i>	<i>villosella</i>		leafminer	34.73856	-79.4764		
184	<i>Stigmella</i>	<i>caryaefoliella</i>		leafminer	34.74025	-79.4747	34.73863	-79.4768
185	<i>Stigmella</i>	<i>prunifoliella</i>		leafminer	34.74367	-79.4875	34.7398	-79.4778
186	<i>Glaucolepis</i>	<i>saccarella</i>		leafminer	34.73985	-79.4796		
187	<i>Plutella</i>	<i>xylostella</i>		leafminer	34.74097	-79.4765		

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188	<i>Acrobasis</i>	<i>cirroferella</i>		leaftier	34.74094 -79.4849
189	<i>Acrobasis</i>	<i>rubrifasciella</i>		leaftier	34.74524 -79.4846
190	<i>Acrobasis</i>	<i>minimella</i>		leaftier	34.7402 -79.4751
191	<i>Astrotischeria</i>	<i>ambrosiaeella</i>		leafminer	34.73966 -79.4794
192	<i>Astrotischeria</i>	<i>solidagonifoliella</i>		leafminer	34.73939 -79.479
193	<i>Coptotriche</i>	<i>zelleriella</i>		leafminer	34.74039 -79.4755
194	<i>Coptotriche</i>	<i>badiella</i>		leafminer	34.73967 -79.4799
195	<i>Coptotriche</i>	<i>castanaeella</i>		leafminer	34.74026 -79.4743
196	<i>Coptotriche</i>	<i>fuscomarginella</i>		leafminer	34.7412 -79.4765
197	<i>Coptotriche</i>			leafminer	34.74 -79.4737
198	<i>Coptotriche</i>	<i>aenea</i>		leafminer	34.74161 -79.4859
199	<i>Coptotriche</i>			leafminer	34.7401 -79.4775
200	<i>Tischeria</i>	<i>quercitella</i>		leafminer	34.73969 -79.4806
201	<i>Cenopis</i>	<i>lamberti</i>		leafminer	34.74037 -79.4758
202	<i>Rhopobota</i>	<i>dietziana</i>		leafminer	34.73849 -79.4767
203	<i>Cycloplasis</i>	<i>panicifoliella</i>		leafminer	34.73811 -79.4754
204	<i>Pococera</i>	<i>melanogrammos</i>	identified 2/12/2019 by Br	leaftier	34.73987 -79.4797
205	<i>Anania</i>	<i>extricalis</i>	identified 2/12/2019 by Br	leaftier	34.7402 -79.48
206	<i>Platynota</i>	<i>stultana</i>		leaftier	34.73979 -79.4798
207	<i>Filatima</i>	<i>serotinella</i>		leaftier	34.73979 -79.4798
208	<i>Eumarozia</i>	<i>malachitana</i>		leaftier	34.74118 -79.4763
209	<i>Pleuroptya</i>	<i>silicalis</i>	identified 11/5/2018 by Br	leaftier	34.74009 -79.4799
210	<i>Pococera</i>	<i>robustella</i>		leaftier	

34.73924 -79.4782



Elachista illectella .

this species, which was based on four specimens reared from "*Azalea*" in Balsam, NC. The only subsequent published record I have seen for this species is a 21



1 the underside--with distinct longitudinal creases--while *occitanica* only has very fine wrinkles.



010 paper that discussed it as a pest of commercial highbush blueberries in New Jersey. Since there has been no revision of the genus *Caloptilia*, it's conceivable





able that the moths on azalea and blueberry are not the same.

