

2 | 18. March 2015, continued |

id	wing panc	egg count	size (mm)	% Larva	frame
027	077	no	15	0	838
028	078	no	10	0	840
029	079	no	20	0	841

today were mating, though some other calliphoridae were.

19. March 2015

I photographed *P. lleria* sunning on the head quarters building. I walked around on this warm day looking for the first pollinators on *Salix scaberiana*, but I saw none. I did find a worm (looks like immature *Dendrobaena octaedra*) in a snow melt pool on the Keen Eye Trail, which I kept live. It isn't looking very peppy, though. None of the *Pollenia* I saw

24. March 2015 I took my lunch outside. At 60.46181°N 151.07987°W ± 6m I ate, looked through the leaf litter some, and photographed insects. There were Cicadellidae and Elasmotethus mostly.

26. March 2015

frames 1082-1083, *Pleurocygus* at 60.46378°N 151.07080°W ± 3m
 frames 1084-1085, *V. witts* at 60.46359°N 151.07080°W ± 4m
 frames 1086-1089 - *Trichophorum* at 60.46368°N 151.07057°W ± 4m

Anopheles chaga a Keen Eye Trail
 waypoints 80, id 2015MLB030, frame
 1090, easy harvest, 25cm, 0%
 harvest

frames 1098-1099, *Ptilium crista-recta* →
 0.46439°N 151.07121°W ± 5m

Frame 1099, chaga, wpt 81, id
 2015MLB031, easy, 10cm, 30% harvest

31. March. 2015

frames 7856-7860, birch fungus →
 0.46554°N 151.07227°W ± 5m

Photographed and collected carabid at
 0.46443°N 151.07269°W ± 4m →
 2015MLB014

1. April. 2014

→ frames 7878-7879 *Orthilia secunda*
 0.46413°N 151.07018°W ± 6m

→ frames 7886-7887 *Viburnum edule*
 0.46466°N 151.07056°W ± 10m

→ frames 7882-7883 *Hylacomium splendens*
 0.46521°N 151.06946°W ± 5m

→ frames 7884-7885. *Rubus pedatus*, same
 coordinates as last one.

→ frames 7886-7888 - fungus on birch
 0.46858°N 151.06073°W ± 7m

frames 7889-7890 *Spiraea*

60.46883°N 151.05890°W ± 4m

frames 7891-7892 *Chamaedaphne*

60.46899°N 151.05850°W ± 6m

frames 7898-7899 *Carex* sp

60.47100°N 151.06172°W ± 4m

3. April 2015

I collected a couple of ♀ *Pollenia* from the outside of the building (2015MLB036-2015MLB037), which I intend to keep live and from which I hope to obtain eggs and larvae. I have not seen any *Pollenia* mating yet, though other calliphorids on the site

of the building are doing so. I did see the first bees (austrophorids) and ichneumonids of the year. These were in the sandy area below the eaves on the SE corner of the building.

frame 1185-1187 *Vaccinium oxycoccus*

60.45787°N 151.08020°W ± 3m

Bunch of butterfly sheds at 60.45398°N 151.08568°W ± 3m

6. April 2014

I collected a cicadellid (2015MLB038) from *Calamagrostis* later. at 60.46122°N 151.07912°W ± 3m.

frames 1256-1262 - Fontinalis,
 $60.46116^{\circ}\text{N } 151.07613^{\circ}\text{W} \pm 3\text{m}$

There were plecoptera flying around,
 but not landing for long.

(14. April. 2015) I collected a series of
 live Dendrobaena octaedra from alder
 and cottonwood litter near the headquarter
 building at $60.46412^{\circ}\text{N } 151.07341^{\circ}\text{W}$
 $\pm 5\text{m}$. (2014MLB040). From the same
 effort I collected a couple of pupae from
 litter (2015MLB041). Photo frame 1893.

(16. April. 2015) from the side of the
 building I collected a ♀ Pollania +
 he kept live (2015MLB042)

At the old septic leach field I found
 and collected a series of flies, larvae, and
 one pupa from Horacleon maximus from
 rotting plant material (old leaf patches, etc.)
 around the base of the plant (2015MLB043)
 $60.46297^{\circ}\text{N } 151.07722^{\circ}\text{W} \pm 3\text{m}$. I took
 some photos here too.

(17. April. 2015) At the same locality as
 yesterday I collected more larvae and
 substrate (2015MLB044) as well as a
 Lepidoptera pupa that was in the litter

within a few cm. There were plenty more Apollitus adults which I did not collect.

I saw a couple more Apollitus adults among remains of a Cicuta clump ~~by~~ on the margin of a small wetland off of the Chocchato Trail.

At 60.46087°N 151.08272°W ± 6m I collected and photographed a bunch of Diptera larvae (2015MCB045)

(21 April 2015) At 60.45895°N 151.08286°W ± 4m I collected and photographed a dead adult aradid from under bark of a dead, fallen white spruce (2015MCB046).

(23 April 2015) I collected a Pollinia ♀ from the side of the building to keep her (2015MCB047). A second ♀, same date: 2015MCB048

I returned to the exact spot where I had collected Zophne zetterstedtii pupae to look at possible larval food. Plants here include Alnus viridis, Calamagrostis canadensis, Dryopteris expansa, and sprouts of what I expect are Mochringia laterifolia and Populus balsamifera and Sambucus racemosa. There are no obvious droppings, etc, or mushroom remains. Also Gymnocarpium dryopteris is here. Also succinea-like snails, many small worms... I photographed and

collected a Diptera larva here (2015MC2049).

(28. April. 2015)

release of vehicle 806 is 29,621

At 60.46385°N 151.07668°W ± 4m

I collected a couple of Lycopodium fungi (2015MCB050) (frames 1927-1929), hoping to rear out Diptera that may be in them.

(30. April. 2015)

At 60.46125°N 151.07741°W ± 5m I

collected a diptera pupa from leaf litter, mostly birch leaf litter and Lycopodium annotinum.

→ 2015MCB053, frames 1950-1951

At 60.46021°N 151.07849°W ± 3m

I photographed some neat little ascomycete cup fungi. These were all growing on .11 berries (I think all Empetrum) that were on or in the moss.

(5. May. 2015) At 60.46700°N

151.06908°W ± 9m I collected two pages from leaf litter (2015MCB054) and one from leaf litter (2015MCB055).

At 60.46564°N 151.07155°W I photographed and collected a page in the here of a old Boschniakia rossica (2015MCB056)

(7 May 2015) At 60.46383°N 151.07372°W

± 5m I photographed and collected a couple of samaras that had been overwintering on

Gymnocarpium dryopteris (2015 MCB057)

(16 May 2015, Ninihchik (RA))

60.03315°N 151.70124°W ± 3m

Hinkingia peltata, fringes, 962-965

fringe 966-968 - Lathyrus maritimus

60.03375°N 151.70088°W ± 3m

fringe - 973, Ligusticum scutellorum?

60.03347°N 151.70017°W ± 4m

- to ♀ fringe 977, Mertensia maritima

60.03391°N 151.70000°W ± 4m

- fringe to 979: Artemisia tel-estii

60.03439°N 151.69982°W ± 4m

- fringe - 003: Potentilla regelii and
Chrysanthemum

(10 June 2015)

At 60.46419°N 151.07360°W (no

accuracy given on this old Garmin GPS12)

I photographed two Trichalophus on
Calamagrostis

At 60.46253°N 151.07658°W

I collected a larva that had galled together apical leaves of firweed using silk and was feeding there. (2015 MCB068)

At 60.45918°N 151.07722°W I
photographed Trichophorum caespitosum.

A₂ 60.45838°N 151.07625°W I
photographed Utricularia.

A₃ 60.45924°N 151.07684°W
I photographed a Pedicularis and a
Pinguicula.

11. June, 2015 In the morning I
accompanied Jenny down to Headquarters
Lake wetland s. that she could photograph
some Utricularia. At 60.45857°N
151.07703°W we found some in a
pool that we photographed. There

were snipes there that were unhappy
with us.

15. June, 2015 Todd and I are walking
around the new visitor center looking at
exotic plants. In lawn:

hemp nettle

spurry

lamb's quarter

a mustard

a big Polygonum

Moving on to gravel / chipped mulch area

transplants in front

Plantago major

lamb's quarter

hemp nettle

Some large composite with dissected
leaves

a chickweed

chickweed

Rorrigg's

Leaves in ferns by perking liz

Spergula

pineapple weed

Sand back (awns)

shepherd's purse

Alpestris gracilis

chickweed

leaves quarter

leaves-nettle

Back transplants

Lenora said she found garlic mustard

I had set out a malaise in the back
yard of the headquarters building on
Friday at the end of the day. I had
used the wet collecting head with RV
antifreeze, but this leaked. I switched
this out for a dry collecting head with
no killing agent. I am trying to get
Pollentia adults. 12-15 June
time period: 2015MCB059.

(16. June. 2015)

I serviced the malaise trap this afternoon

(2015ALB060).

(25. June. 2015)

Vehicle 806 mileage: 29,799.6

(29. June. 2015)

Kenai with Wade

frames

plot

797	T3
798	T3C
799	T4
800	T4C
801	T5
802	T5C

frames

plot

1803	T6C
1804	T7C
805	T6
806	T8
810	T7C
812	T8C
813	T12C
814	T12
815	T11C
816	T11
817	T10C
818	T10
First weeds in this plot? <u>Ternstroem</u> and	
<u>Rumex acetosella</u>	
819	TR9C

820

T9

(30 June, 2015)

With John Lundquist, Garrett Dubois,
Jason Mann, and Jenny Archib

Western bark beetle initiative grant -

John says we should put in for one
for the grassland work.

Darrel Williams with Nimitzchik Native
Association - John suggested we work
with him.

We are going first to Mossy Kilcher's
place off of East End Road

Here there are a few trees with severe
defoliation. There are still aphids present.

but obviously many fewer than there were.
Mossy thinks that it was the
healthiest, greenest trees that were
attacked most severely.

Mossy was telling me about toxins in
red fescue and perennial rye →
"ryegrass staggers"

Some ~~trees~~ of her spruce trees are
from Kodiak, most are from Homer, at
least one is a Norway spruce. The aphids
are on Sitka spruce.