

(14 August 2013)

Today I am again at Headquarters
Lake looking at cixiids

Unable so far to observe feeding
or document feeding sites, &
am collecting live cixiids to observe
in a terrarium filled with

Sphagnum and a black spruce

At 60.46037°N 151.07848°W ± 6m
ext. 1m I collected a number

of cixiid nymphs from the
base of a small (~0.8m

basal diameter) black spruce
(2013MLB056). I collected this

black spruce and surrounding

plants, then placed those in a
terrarium. (frames 2811 - 2812)

Within a few meters of here I
found an adult ♀ on a spruce
main stem ~5cm under the
surface of the Sphagnum.

(2013MLB057)

(15 August 2013)

After meeting with the forest
service folks at Beaulieu,
I stopped at Bear Creek Rd.
to sweep for weevils in Linnaea
vulgaris (2013MLB058). This
yielded no weevils.

(19. August 2013) I returned to the same site where I had collected a pseudoscorpion the other day and took another Berkeley sample here, trying to take the middle of the hummock (2013MLB059)

Sweeping in the vicinity yielded no cixiids, but it was raining.

At $60.41411^{\circ}\text{N } 151.06390^{\circ}\text{W} \pm 6\text{m, ext } 1\text{m}$

I started looking for nymphs at base of small black spruce trees, quickly finding two. I also found an adult ♀ on one of these spruces on the bole of the tree. Or may

among the roots I was disturbing. I photographed and collected this specimen (2013MLB060).

(20. August 2013)

Today I walked down to Headquarters Lake wetland to photograph sedge smits. At $60.46640^{\circ}\text{N } 151.06450^{\circ}\text{W} \pm 6\text{m, ext } 1\text{m}$ I took a series of photos of an infected sedge. I collected this (2013MLB061).

(22 August 2013)

I again returned to the
hammock where I had
collected pseudoscorpions
whilst taking a sample
from more of the swale
than the hammock.

(2013MC8062). I also
picked up a Cicada nymph
here, which I found more
or less on top of the soil
before I started digging
(2013MC8063). A small,
dark spider, which I
accidentally collected.

of feet that came with the
Cicada, immediately attached
the Cicada, subduing it
even though the nymph
was larger than itself.
I also put a Phidippus bug that
happened to walk on my
net into the same vial.
These are common here.

At $0.46496^{\circ}N$ $151.06496^{\circ}W$ I
exc. 1m I found green spherule
feeding on underground
stems of Rubus chamaemorus.
I collected these. (2013MC8064)

Some sweeping in the vicinity yielded an adult ♀ cicadid, but it appeared dead, perhaps from rough treatment from sweeping in the rain.

(unmarked)

At 60.4646°N 151.0771°W
±4m, ext. 1m. I photographed and collected some Lecanura abietina for the collection.

23 August, 2013

At 60.45975°N 151.07695°W ±7m, ext 50m I did some sweeping, finding two live adult Cixius ♀s. These I kept live in a vial, hoping that they will oviposit so that I can see the eggs and get some idea of their oviposition site preferences. I placed some Sphagnum, a sprig of black spruce, and a sprig of Empetrum in the vial. One of the two hoppers is lethargic, content to stay in the Sphagnum; the other is busy, buzzing the legs and crawl upward and trying

I am labeling them 2013MLB066.
 At 60.45973°N 151.07732°W ± 6m I
 photographed and collected a Russula
emetica (2013MLB067).

At 60.46425°N 151.07140°W ± 6m,
 ext 1m I photographed and
 collected a couple of Amanita
muscaria.

27 August, 2013

I walked down to Headquarter
 Lake again today looking for
Cirrus. A sweep at 60.45926°N
 151.07675°W ± 8m, ext 70m
 yielded one adult Cirrus ♀.

(2013MLB068). I also kept some
 other Hemiptera from this sweep.

At 60.45923°N 151.07634°W ± 6m, ext
 1m I collected Cirrus nymphs from
Sphagnum moss among various
 nests. One seemed to be on a root
 of Chamaedaphne → (2013MLB069)
 I also collected a Psylla sample here
 (2013MLB070)

3. Sept. 2013

Today I am sampling a 100m² circular plot using LTEMP protocol except also I am splitting the plot in two along a N/S axis for an E and W plot sample.

4.9 m - estimated accuracy
205 - H₂O measurements

GPS averaging stats. Plot center was at 60.46364°N 151.07381°W.

Svedco waypoint 072.

Photographs are frames 3181-3183, all taken from S to N.

2013MLB071 E half

2013MLB072 W half

The vegetation was still wet from last night's rain, but it was now partly sunny with a cool breeze.

Vascular plants present within 5.64 m:

Chamerion angustifolium, Viburnum edule, Calamagrostis canadensis,
Gymnocarpium dryopteris,
Picea glauca, Petalostemum purpureum,
Dryopteris caryophyllata, Equisetum arvense, Populus tremuloides,
Rubus trivittatus, Trisetum caryophyllum,
Moenchia latifolia.

A large cottonwood leaned over the plot, but its base was just outside the plot. Also on plot:
St. ...

Ophioglossum barbatum,
Lycopodium nanatinum,
Luzula borealis,
Rosa acicularis. I left the
 center stake in place for now.

4. Sept. 2013

Today I walked out to the
 outlet of Headquarters Lake
 where the flora is a little different
 than much of the wetland. Here
 the overstory is black spruce, but
 the understory is Myrica, Iris, etc.
 At 60.45915°N 151.07487°W ± 3m, and 1m
 in mostly Myrica yielded a
 P. ...

At 60.45924°N 151.07470°W ± 6m, and 1m
 I found a particularly good spot for
 cixiid nymphs, which I collected by
 aspirator (2013 MCB074). I also found
 some white, spherical eggs near the
 surface of the moss, which I collected
 (2013 MCB075). Some of the cixiids
 appeared to be on Rubus chamaemorus
 and others appeared to be on
Ladonia glauca. Some fairly
 extensive sweeping between here and
 60.46046°N 151.07678°W 55m yielded one ♂
 cixiid adult (2013 MCB076).

16 | 5. Sept. 2013 |

I returned to the same spot as
2013 MCB074 to collect a Beetle
sample and look for eggs.

2013 MCB077 - Beetle sample
from here. I looked thoroughly
through moss from surface to
~2 dm, along roots and stems of
vascular plants, and around the
base of a black spruce, but
found no eggs.

17 | 12. Sept 2013 |

I walked down to Headquarters
Lake in the morning. All was
dewy and wet. I swept pretty
extensively, but turned up no
cixiids. At the same site as

2013 MCB074, etc. I aspirated
Cixius nymphs from Pleurozium
duff at the base of a small black
spruce tree. (2013 MCB078). I also
took a Beetle sample of this

Pleurozium moss and duff
(2013 MCB079). I also took a

Sphagnum sample here
(2013 MCB080). I found what
could be an egg on Pleurozium
moss.

crawling on me & kept alive
(2013MLB082)

At 60.46150°N 151.07802°W + 9m,
ext 1 & photographed Heiricium
on a birch. I find it notable
that both Heiricium & have seen
lately have been on dead birches
that had been infected with
chaga fungus.

(16 Sept. 2013)

Today I am re-sampling the
pseudo-TEMP plot site & sampled
on Sept. 3, using the same
methods.

2013MLB083 - E half.

2013MLB084 - W half.

I picked up a mating pair of flies here
that crawled or alighted onto my net
while I was working - 2013MLB085

(3.0 m acc., 270 averaged waypoints,
60.46358°N 151.07388°W, waypoint 074,
second site.

2013MLB086 - E half

2013MLB087 - W half

Vascular plants on second plot.

P. 0 0.0 7.

Betula papyrifera

Vicia glauca

Sorbus

Dryopteris ergane

Viburnum celtis

Gymnocarpium leptopteris

Equisetum arvense

Aconitum leptophyllum

Oplismenus hirtellus

Trifolium europaeum

Ribes cereum

Cornus canadensis

Pyrola asarifolia

Rosa acicularis

Chamaenerion angustifolium

P - //

Lycoodium canadense

Galium triflorum

vehicle mileage: 27,364.6

[20 Sept. 2013]

I walked down to Headquarters Lake to look for cirrids.

Some sweeping, fairly extensive, yielded no cirrids. At 13:28 the top ~2cm of Sphagnum is still frozen after a hard frost last night. At 60.45937°N

151.07651°W ± 6m, ext 3m I collect

Cirrus nymphs from Sphagnum and Pleuroniscus moss and roots. Some had apparently been feeding on roots of Poa maritima. (2013.MC808E)

Here I also grafted a couple of bags of moss for Berberis samples (2013.MC809)

I swept more on the way back, again yielding no cirrids.

At 60.46427°N 151.07352°W ± 8m

I picked up what I think is Agaricus campestris from among Calamagrostis, birch, alder etc. (2013.MC8090) & photographed it.

[26 Sept. 2013]

This afternoon I gashed in the Hoonah dock to look for Ascheliter. At 60.54160°N 151.21519°W ± 13m, ext 1m

I collected a centipede under boards of a beach dump (2013.MC8091)

26. Sep. 2013/

Roadside Beach Rd. A4

60.78995°N 151.28751°W ± 6m, east 7m

I collected *Cirsium myosuroides* from
a sunnitch. This was *Phragmites*

grass with *Eragrostis* seeds and

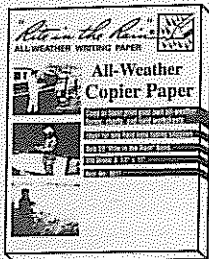
lily-like black spruce. 2013/15092
(frame 3378)

"Rite in the Rain"®

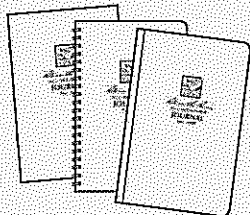
ALL-WEATHER WRITING PAPER



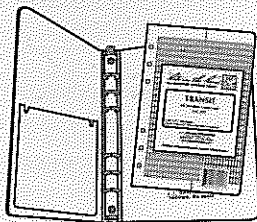
Additional "Rite in the Rain" All-Weather Products:



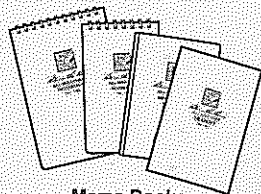
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