

2 / 16. August. 2011

This morning I am testing new LTEMP protocols intended for DNA barcoding. I walked down the ski trail, down to the floatplane deck access trail, and selected a site in the woods just off of the trail.

32 This was at 60.46352°N
3-14 $151.075840\text{W} \pm 3.2\text{m}$ (344 points averaged.) It is now 10:44 am.

I stretched out a N-S line, marking a 5.64 m radius circular plot. This is mixed forest, with Picea glauca, Populus tremuloides, Betula papyrifera, Ostrya virginica, Viburnum

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edule, Ribes triste,
Gymnocarpium dryopteris,
Dryopteris expansa,
Calamagrostis canadensis,
Frientalis europaea,
Lycopodium annotinum,
Equisetum arvense,
Galium triflorum.

I first swept the eastern plot half (2011 MCB001). I am calling this LTEMP trial site 1.

I used an aspirator to separate out the insects and put them in a vial-pac with 100% EtOH. I also used forceps/hunts for

larger arthropods.

I also sampled the W half of
the plot (2011MLB002)

I collected a third sample from
around the plot extending about
30m (2011MLB003). This is to be
a reference set.

22. August. 2011

I serviced the malaise trap
I had set up on the 17th
at the same site where I had
swept on the 16th. → 2011MLB004

I collected several
Agaricus sylvaticus
mushrooms for eating. On
them were some medium-sized,
dark flies, two of which I
collected. → 2011MLB005

30. August 2011

I serviced the malaise.

I moved the trap down to
Headquarters Lake. It
began raining as I did so.

✓ 2011MLD0061

7. Sept. 2011

I serviced the malaise at
Headquarters Lake.

(28. Sept. 2011)

Today I am accompanying
 Tim on vegetation sampling
 off of Marathon Road.
 We flagged 30 stems of
Cypripedium on each of
 four transects. We
 finished at 2:15.

(28. March. 2012)

On the way back to
 Anchorage, we stopped just
 past Beluga Point. I got
 out on a little pull-out
 on the north side of the road
 to collect *Bristletails*. There
 is a very high density of
exuviae on the rocks here
 in sheltered spots, but it took
 quite a bit of turning rocks
 to find one small
Bristletail. I did find
 one more on the snow
 beneath the rocks in which
 I had been looking, so I
 think I might have

dislodged or started it,
I took one photo of the
rocks here, a little
void in the rock wall. Both
animals were small, about 5mm,
so I think they are about
11 months old. We were here
only 15 minutes and had to
go at about 19:00. It had
been a warm sunny day.

partly sunny
I still don't know where
the majority of the
bristletails overwinter, but
there are deep fissures I
could not explore. They

could also be in the soil
& nearby, but I tend never to
find them in soil.

The coordinates for the
site are $61.00629^{\circ}N$ $149.68854^{\circ}W$
 $\pm 10m$, extent about 5m.

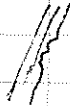
[18. April. 2012]

I stopped at the Virgin Creek brittletail site at $60.92305^{\circ}N$ $149.14230^{\circ}W$ $1/2 \sim 10m$, extent about 10m. There were lots of brittletails here. Some appeared to be sunning on rocks that were warm to the touch. Some of these jumped off at my approach.

I photographed several individuals here. I also collected several brittletails here, only one of which appeared to be large enough to be two years old. The rest were all about one year old size, about 7mm.

There were not abundant lichens on the rocks, but I saw no feeding damage on the

lichens that were there. Some small new grass blades growing from a rock had been chewed on, though. They had been chewed along the margin, as in the drawing below.



I was there from about 5:15-6:15.