

1317 - Zoop net in

1321 - net on board, 50m-0m
roughly same amt as in
Cherry

1327 - EXO cast.

1332 - stop L017, start L018
doing cross-lake x-sect.
bald eagle!

1355 - at water-fall, heading back
to beach

1406 - scouting rock jumps,
data a mess due to
rock/cliff

1407 - speed change.

1428 - wind has picked up,
more chop

1445 approach shore, stop L018

1446 turn off ducer, power down
breakdown gear

7 July - Lake Giles

1035 am - mount gear
power up. ducers ~15cm
depth

set depths to 30m
ping rate to 1 Hz

start L01 @ 1039

1046 - killed motor to check
noise, 4th gear seems OK

1102 - switch to OARS due
to wind / Lily Pads

1211 - stop L01, start L02
finished N-S xsects,
starting E-W xsects

1224 - anchored for sampling
st L02, start L03
depth 5.6m

1230 doing net tow 5m \rightarrow surface
mostly empty - not many zoops,
maybe have 70K gain up to high?
Return the Net

1238 transit to next stn

1242 on stn, 16m depth
stop L03, change 710K
power to 100W, start
L04

1252-net on echogram
15m to surface

lots of plankton!

1304 - net tow 15-9m

1311 - net tow 16-9m

1320 - net tow 0-6m

1328 - transit to 20m depth

1335 - do 0-20 net tow

1347 - transit to 10m depth

1353 - anchor in ~~7-8m~~ depth
6m

1357 anchor in ~~10m~~ depth
doing net tow 0-9m
zoops!

1404 - stop L04, start L05
resume E-W survey

1440 - lost 710 GPT,
power cycle, unplug

PC (have trolling motor
on our battery),
stop L05, start L06

1500 - stop L06, at dock!

8 July - Lacawac

1123 - power up system
st L07

start EW x-sects
ducers 15cm deep.

1156 - anchor on Keg
stop L07, start L08
net tows

1203 - net tow 0-12m
chaoborus

1211 - net tow 6-12m

1221 - net tow 0-6m

1228 - transit to 8m

1234 - on anchor in 8m

1236 net tow 5-8m
(layer on 120K starts @ 5.5m)
caught bottom, re-do

Return to the River

1240 - net tow 5-7m
bottom depth 7.5-8.2m

1248 - net tow 0-5m

stuff in top 3m

on echogram may be
holopedium

- cladoceran w/ gelatinous
bubble...

not found in Giles, but
in Lacawac

1300 - at anchor in 5.5m

no chaoborus scat layer,
just copepods (710K)

≠ intermittent holopedium
(~1.5m on 120K)

1302 - net tow 0-5m

big patch of holopedium

1311 - do N-S xsects

stop 208, st 209

1342 - at dock, shutdown.

08 July - Lake Giles

~~1050~~ 2250 pm - launch,
power up, st 2010

2345 done w/ survey

stop 2010 (caught anchor
line on echosounder)

start 2011, anchored
in 20.2 m depth

2350 net tow 19-9m [copepods]

09 July/0001 net tow 9-3m [daphnia]

0008 net tow 3-0m [copepods
minutus]

0016 at anchor in 14.7m depth

scat. similar to last spot

0018 net tow 14-9m [copepods]

0028 net tow 9-0m [daphnia,
copepods,
leptidocera]

0020 - possible big fish (trout) @ 12m?

0036 - at anchor in 10.5m depth

Return to the Rain

0038 net tow 6-9m (some chaoborus
mostly copepods/

0044 net tow 0-6m (some big
Leptidora,
+ other stuff)

0101 at anchor @55m depth

0102 net tow 0-5m (copepods,
Leptidora)

0109 stop L011, start L012
transit back to boat house

0124 dock, power down.