

# Jim Lane's Field Notebooks

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TO BE CONTINUED

3510 NOTEBOOK

.FAINT

1979-80

Prints (and other) logs are from  
July 2002 search for field notes  
to incorporate (as appropriate) in  
report on 1976-77 Peck-Henry  
underbird surveys.

R 21/7/02

Wed 26 SEP 99  
Kodjings Swamp  
Start 11:20 hrs

E. whist M. night + Song + Bawled  
fencing bits  
I heard by?

Concord = C. whist

Plots 6+7 from E bank 76:6A-7A

M. night to 15 m high

Pen rattle frogs.

Wetland coming in song at NE corner.

Thicket still in border.

Heard 6 morning thrush.

Brownie sound info

Wetland bird by?

Tanaka bank at 11:55 hrs.

76:8A-9A Plots 8+9 from NE bank (N)

Field Garter

Japan Main Woodland behind

bank, Kullbender,

R7 plot 13.8°C at 12:10 hrs

Water 0.4 m deep - mfg.



Labels on SW corner of thymus house  
(South of E-W road)

1255 km - 1 ♂ Plant

Green water with fungus of edge

Some Chlamydomonas but very  
C. viscozyma (?)

Young of M. mytilus

Plots - 13 of survey from N side.

Water yellow turbid in edge

head spotted frog in edge

Blue change of "big" edge - surface.

Water depth - bucket surface  
13.5 km. 0.6m deep

- edge

Temp 17.4°C Sat. 12.1 ppt

date like freshwater survey but in salt.

Page date why Chlamydomonas in green  
found 1385 km.

Neobyxip Lake - 1340 km.

Plots - 17 from N/E bank  
76:14A-17A of lake - modern edge.

Chlamydomonas exhibita survey with page  
of M. mytilus.

M. mytilus, M. prasinum, Chlamydomonas  
and E. nidus common eggs.

"head" spotted frog in Chlamydomonas.

Plots 18-21 of lake from NW bank.  
76: 18A-21A.

Water depth 0.3m - 0.15 m from edge  
16.3°C 0.5 ppt.

Surface - bucket.

This edge date suitable for Chlamydomonas only.

"Bank" frog also found (see)

like a higher quality - perhaps more green

57 Plot 18-21 with 2 frog species  
Found 1405 km.

(4)

Kulmings Lake River 1430-1455 L.

1.6 ppt. 16.0°C.

Water sample and plankton 22-23  
 taken from culvert on NE corner  
 of reserve. Water plenty  
 strongly brownish about  
 evening on N side of road.  
 Many fish in water on S side.  
 Trout in the lake proper, followed  
 (injunctive)

YARNUP SWAMP.

Reel in same trap 1520  
to 1605 hrs.

Saw flock of 22 Black shrike with  
 3 Gray Tail  
 also 1 ♂ Plat. shrike  
 also 1 ♀ ? Plat.

Thomson's Ant-eater - juvenile  
 in hole on WSW side of lake.

(5)

0.5 ppt 16.4°C 1610 hrs  
 0.6 m of water

- edge of Cladonia  
 - NW side of lake.

She is Cladonia striatella.

1 water drop in open corner.

4 frog heads

- bank

- low ground

- dryish sponges

- low ~~grass~~ grate synth.

Aspidochelone

Also mass of white with eggs (about 1 mm)

At least 3 *Stenophis* heads.

Most of lake covered by *C. arbo.*

Open areas are flooded (Yarnup?)

most of which is under water.

Edge of lake in E corner, May 17.

Yarnup, with some *M. prasinus*.

also *Balanis* (Mentha)



(6)

Lake Urmung

Longitude 89° (NW side of lake)  
1650 ft.

2 Blk. det. ; 1 Gray det.

17th Nov: ~~See the frame of lake~~  
which dry out is common (of course)  
is dependent upon the dryness out  
Process - argument ~~may~~ might  
be used to make mining ~~into~~ to  
~~from~~ dryness det.

→ 1 pebble

1715 hr. ~~15.2°C~~ 2.7 ppt.

Water depth at end of bank  
0.3 m deep. Dribble angle  
(conspicuous).

Sketch at 1720h

(7)

Lake Muir 1805 hrs

8 Trout on west side of stream  
at small end of lake.

10.1 ppt ~~13.7°C~~

0.3 m water - driest angle  
below 200 m out from Tarnished  
vegetation. As the lower limit of  
P. thurstoni showing above water.

8 1 pr. Slender  
c. 60 Blk. det. seen.

1825 hrs

11.1 ppt 13.5°C 0.2 m water  
further east along N. side of lake  
8 Blk. det.

Little fresh water heard.  
"Fresh" water here. Chlorin  
+ other det. + other algae  
P. with the frog. 7. vocal.



Campings - \$90,000  
August -

White Peak Thru 27 SEP 79

1210 km

- 1 Swamp Sparrow
- 1 Sharp-shinned Hawk
- 6+ Crows

See note pg. 1 in manual on road  
of Lake

Blue-billed Duck

11 Little Blue Cormorant

2 White-faced Ibis

Photo 76: 24 A. from NE corner of Lake

Photo 24 baby SW

Photo 25 from X

looking SSE



2 Sharp-shinned Hawks together

White Peak Thru 1400-1405  
Whimsy Eagle - probably  
1 Blue Jay

3 quail ♀♀ - juvenile, symbols, grackles.

White Lake 1470 km. <sup>Photo</sup> 77: ~~1-26~~

5 raven (3)

1 Wood Duck ♂ (possibly) also with ♀?

3 Blue Jay

1 Starling

Red Wattlebird

Bittern? - 2 Brown tern with

Tree Martin

Myrtle

Eggs - 2 white, middle, bank.

Swamp with L. introduction + other southern ruffs

Phil ground - 1 Barn

White-necked Swallow

White Egret

Long finch by P. water? to  
eggs 7m. Long Bristle white

Tilapia nigra Turnbull.

M. carolinensis postulated new

new ridge west.

BB

Crucif Dubia

J. schranki

Schweizer

Widge... water Egb.

Some (not) M. floridensis.

Ranunculus - white glabrous on belly & throat

L. horae cyclophora?

L. horae schranki

High slope - 1.5 m high

I walk from B. schranki open woodland -

& find B. gaudii

& southeast Eulophus to 5-7 m.

Tracy - toward H. Lake.

Slopes leading to Mt. Sata  
are under wet forest (water on surface)

all time. Open woodland to 5' m.

U. wet patches have M. carolinensis

Always thorns up above.

K rows v. clustered.

Common & Xanthoxanthus in myrica woodland.

Just the myrica becomes Euc. woodland

will take to dominant undergrowth.

White sand -> yellow sand (more) -> black.

New top - Nigella leaf Thicket

Zone 11thly.

Wetland forest.

River

~~11thly~~

2 Handland.

1 Bitter seen.



1710hr

Dry 0.4 m.

Barbed wire - top.

17.6°C, 0.3 ppt.

LAKE POWELL : PWD other interviews

Will Andrew Bute

John. Huntington — office Reynolds.

Part of change system.

holding area for Pleistocene

then both years.

Spring Juncos - but not only.  
No return.

It would be the world egg.

Wendy 72.

Dutch v Canada in old days.

Pen (Lester?) sent of. Low group.

— small this same of complete.

1. When most - Juncos present - See later

2. 1st or 2nd

3. Accus. - boat.

4. Juncos water of lake?

5. Hanging up with Juncos?

Taken 2-3 days - by boat.

2. Effort to hold Chlorine - Juncos  
not recognized as strongly chlorinated.

Hotel water bottle at 5'6 on pig in internet.

Wendy Reynolds for last 4 years.

Copy of letter of reply  
to Ray Smith.

Original copy - Ray will suggest.

see 17th Oct 2 pg same.

Send April photos to Ray.



Lebe Jones Fri 28 SEP 78

Shot 1140 hrs 77:28

Plot 28 down heavy out of edge

Jones to east. - filling strongly.

Plots 29-32 perimeter from E. that

77:29-32 on N side of drain.

30 25 fly trap, 60 Blat shot on Jones side

1 Blat + delphid on E side.

Woke up the new blatt.

Temp 14.9 °C Sat. 1.2 ppt

0.3 in water + bucket. surface.

Woke up the 2nd corner of lake

Expected to be extensive regeneration of

M. psychophylla - this lake - very

young trees + seedlings. Great shot

to cover.

Peace - with frogs in grass here.

2 delphid in reserve.

Plot 29 Oct on lower bottom.

Ground 1300 hrs.

Thought to have some Del + Soot side

of lake on east W. edge. ~~del~~

They might be more other species of Del.

Lebe want to be in grass

cut to lower out. - generally well

grass mostly plain dry - very small.

R. stentor like. (family to look.)

~~K. Worsnip~~ Lebe

1420 hrs

Plot 77:33-36

1 R. delphid out 10 Oct. 2 (II 1?) delphid.

34 Blat soon.

2 other delphid

224 delphid soon

M. tuberosus 5-6 in frogs

R. rufus delphid.

Synchlora + fruit.

Phytophila + flower -

Small brown fly's gasteropod (leak?)

" abundant in water.

delphid abundant in water.

✓

5 Spring Tail  
3 Red Siskin  
7+2+2 Red-capped Tit  
1 Tit

Local Sedge Sw. M. whistler - 1 sp. plus

Wet only in the channel on E side  
(see photo 35) - darker just drinkable

2 Purple Frigate small abundant in  
covey to west of lake (3 quins)

4 Blue II Siskin droppings

Protonotera on ground  
Yellow rain around edge of lake is *Rhipid. pollen*

13.01 gpt 17.2 °C  
0.2 m of water - bucket 1605 hrs  
25 m from water edge  
Lake level to full → low

26586 77:37

Photo 36 - ~~channel~~ channel SE corner of  
reservoir

Photo 1+2 Purple Frigate on SE corner  
of reservoir 78:1+2

1715 hrs

1 Albatross

21 Black Sw.

5 Tard.

7 Red-capped Tit

3 1 pr Skink - in ground vicinity  
of nest mound

1 Red-n. Skink

1735 14.6 °C, 0.8 gpt Sample from 0.2 m  
SSE corner of lake - flying in slowly  
both ways. - presumably from lake shore

1740 hrs 16.0 °C, 11.3 gpt

0.2 m deep surface bucket sample  
on S side of lake. (from 100 m from creek)

"Albatross" in water



This lake is almost completely  
 to Kwaning - you salt lake  
 with frog of *M. subulatus* +  
 some *Scaphi*, *Certhia* generally  
 v. *Scaphi* - ~~stone~~ would appear  
 to be a naturally salt lake, which  
 hasn't had a great change in  
 water levels.  
 Lake  $\frac{1}{2}$  full  $\rightarrow$  low

Front (at lake) 1745 hrs.

Lebe Poomarung

5.1 ppt, 14.6 °C  
 0.3 m 1815 L Super - bucket,  
 East side.

Warming Swamp

0.3 ppt, 11.6 °C 1825 L

Almost dry single swamp  
 Lines of *V. C. arifolium* + other sedge  
 v. little exposed water - in center.  
 Fungus readily identifiable in  
 areas. - water level is small.  
 Bucket sample 0.1 m near in center.  
 Sample 1825-1825 L  
 - good amount but - almost dark

Siberia Lake Nov, Oct 29

Colony eggs (front + back - both) with  
 1st stage embryos of *Stenopoda* *Widdows*  
 found.

1st 3 78:3-5

Notes - of a 1st stage nest in *Chloris*  
 eggs 1.0-1.2 m of water  
 - 2 inc. eggs.

Before that we found a 2nd stage nest with  
 8 eggs. (front = 2nd stage) also in *Chloris*  
 - within same nest of mine.



(20) 78:6-7

White eggs about paper Chatham  
to Tjebke - scattered - both.  
Tjebke also, all probably about same  
same strong preference.

Scorpion nest in Tjebke - egg - silver  
puffin - water 0.7 in deep.  
78:15 see Plate. - 3 warm eggs

Black Warbler nest also found  
78:15 - egg - silver - large size?  
The hot body feathers.

Plate (2) of Red Warbler nest in Tjebke  
on west side of lake - Tjebke again.  
above - nest over water c. 0.7 m deep.  
78:10-11

According to Plate by forest again  
15 Scorpion nest with eggs in the  
Tjebke (mainly) - one or two in  
the Chatham. Egg to make 2 or 3  
nests in an area, then seen on only  
one place.

(21)

July 2 Oct 79.  
Kobe Hammered 10/15 hr  
lost

Brood of 5 Chas in Blackbird,  
4 Whistlers, 7 Tern,

Plate Red-wind nest with bird  
78:12-14 egg pipping -

Black Sea,  
2 WFT Tern

White eggs found 150 lost nests.

Plate 15-16 about about nest - egg.  
78:15-16  
- in old warts nest in Chatham.  
Whistling Tjebke.

1 lost nest with egg.  
1 Blackbird 78:17  
Plate 17 about nest - 2 eggs.

White bird 7.34 m.

3 Chas 2 lost Chas  
White Warbler 5

Wh. winged Tiller  
50 Feet.

Plk 18 <sup>78:18</sup> Red-ear nest - hollow of  
M. regalis trunk - 6 inc. eggs - 3 taken.  
nest 0.3m above water level.

Plk 19 - 17ke egg for trunk  
<sup>78:19</sup> nest with 1 Red-ear, 1 Grey Red  
& 1 Yellow egg.

Plk 20-21 Star nest with eggs -  
<sup>78:20-21</sup>

1 Sparrow-nest 20 is -  
Some *Pygmy flowering*  
Chore: also present -

<sup>78:22-24</sup>

WED 3 OCT 79  
Nouryngy Lake: 0940-1000h ~

3km - Red-ear Nest ~~24~~

17 Red-ear Nest ~~27~~

Black-burn

Coat

ed. Hb. *Gymnospiza*

Black-burn

small patch.

<sup>78:25+26</sup>

2 Brown ~~eggs~~ - 7 - 2 Ch-I

2 Plk of Red-ear nest in Ch-I.

4 or 5 Sparrows of Lake <sup>78:27-31</sup>

Red? song with *Ch-I* whistle;  
Tyle + ratchet;

Red-ear had graniv. not a *Pygmy*.

Long-nest. *Tortoise* in lake.



(24)

Lake Claremont 3 Oct 79  
1105

Shelduck - with 1 egg.  
Siberian jacks.  
Coot

Black Swan

Black Duck - nest found by P. H. H.

Shoveler

White-eyed

Grey Duck - on nest in swamp.

Pit. reeve's Duck.

Whistling Swan.

Blue-billed Duck.

Pike pond 22 March nest with 7 eggs  
at E. end lake.

Black Duck in hollow of tree stump.

Pike pond Siberian jacks nest in tree.

Little jacks - yellow grass

(25)

Red heron (Midge?) on water surface.

Black Duck nest with 8 eggs. in hollow  
of tree (on stone with bank).

Pit. reeve's egg damaged by jacks  
- in open hollow.

Blue jacks nesting in the hollow

Black and White Duck found

- deposits

- five eggs. By the nest.

2 P. H. H. (domestic)

78: 32 + 33

Oct 3: - full nest with chick in swamp.

Shore on nest in tree stump.

Pool nest house would be built in  
lake about for Pit. reeve's



bird nest

"  
" Scabbard nest in tree trunk  
Could be *Thryothorus*

Many bird nests have been set up  
young - must be full production.

White flycatcher

Stone Flycatcher, *S. arctica*, *M. antiochiensis* (?)

Long Tail parakeet - *Arremonops*  
Pitcairnia shrub.

1 Little Pied Cormorant

*Arremonops* nests found at top of tree  
(= Flycatcher?)

Also *L. striata*  
at Pied Waller.

Long Tail Parakeet with 1 young of year.

Found 1300ft.

Nov 78: 34-36.

Thurs 4 Oct '78

Lake El Estero depth gauge - 0.85 m.

Visit to the property. Arrived. Time 9:00 AM

~~Small nest~~

1. 30 nests in one colony - Oct Nov. '78  
big nest, much with down.

2. 1974 'Hawk' + 1 'Thrush' (978)

flycatcher nests - nests were made in

79:0

Photo I of this nest - 9-21-78  
plant *Encyrtus* on which - Little the  
flycatcher nest -

seen with white 'Long Tail' with 8 chicks  
chicks

Photo 2 = 3 79:1 + 2.

Thrush nest = flycatcher nest -  
small nest

Dona: Changes on park property (and progress) requiring access thru private property) not to be used by other than Field.

Proble: Are it not in nature reserve

- 1. species + species tracking lists for water.
- 2. "length" to be changed - not Fitzgerald

Palmer - problem report on survey water of T.M.S. to be prepared by March, 1979.

Plan bird surveys September.

Arthur Leitch: That's overlaps into Binion in one year this evening.

Peter Hill - freshwater wetlands on Cyphus under review 11 miles? north of Plecterung. Hope Balle bring study plan.

binion - freshwater - grasses - tanks

By Tom Spence.

By Tom Spence.

Boreby Island - should be acquired with land - this? from ... (see)





Near Counts notes

Bayer Swamp Mon 15 OCT 28  
140 km.

Black Swan - 2 birds.

1 pair of 3 birds, 1 pair with 4 birds

Headcount 70+

Red Shill

Wood Duck - heard.

Great Egret.

~~Sooty Tern~~ Sippie.

Red Wattlebird.

Poa-wattle King

White Ibis - 3 nesting in *M. repens*

Black Pelicans - nesting on banks.  
18

Flycatcher seen from opposite wood track  
(during sand trap being prepared)  
- about 100m in shallow water.

Comment (about Red)

40 Star-nosed Terns overheard.

Whistling Kite.

Swampen heard at noon.

Thornbill young visible - 40 seen on edge - appear to  
be unable to enter water for Red Shill.

Photo # 10 79:10 - Seen nest on road verge.

Shorebird - many pairs - also in high water?  
11 - no pair.

Blackneck 11+

Wood Sippie.

Small gnat 4R+

Coat. 5R+ 160+

Clot of "diphia" = plum?  
Much plenty used.

L. M. Black throat.

Gabon?

Jay Tail - ~~25~~ 25

White - head them 2.

They sit on nest. - long  
Krone 7 clear.

Blue-bill about - 5♂, some ♀

Long ground frog.  
Black about - 4 30  
Strong 1 married -

Phalacrocorax

3-4 on Malheur Island - Heavy. Photo

Some C. arcticus

Little Hybrid

Some frog species. (3 or 4)

Some young hawks c 50 on island?

79:11

Small passerine in Pict. Hatched.

Flock of 300 Black 50 Black-throat  
20 Tail 10 Swallow

Reynolds Island this party = Pict. Hatched.

"Bark frog" - Frog

79:12 + 13

Photo 12 + 13 - Pict. Hatched containing  
3 Feathered Black plum like Tail  
Black Duck, 1 head lost.

36

Bayer Creek.

18.7°C 0.3 ppt

0.25 m turbid

50 m up creek heading N for  
stream: 4-1800 km.

In the stream

0.6 ppt Temp?

Amphipod Turbid 1800 km.

118

Loke Point 0800 km.

Shelburne - 318 m north end.

Black Sea - 504 m north end.

Grey Seal - 220

White Gull - 41

Shrike -

37

Embryonic ova of *Ruppia* (forming) and *Coccolithus*?

*Gammarus* abundant in above.

Other mollusk fragments also.

Some (few) "bacteria" in aggregate of *Ruppia*.

99 cm from top (highest point) of least pool  
in row from shell slabs - lower depth  
here: 23 cm.

Abundant larvae (mollusks) in pool.

9.4 ppt 16.7°C 0.885 m.

25 m north of pool 23.5 cm. depth.

Red tide - 8 days north body 1.5 - 2.5 mm long.  
*Aequorea victoria* 11 mm long.

*Ruppia* also forming - fossils on white slabs.  
Water extremely clear.

23 cm depth 10.25 km.

Temp 17.5°C Sal. 11.5 ppt.

Black slabs - 18.



1000m. Western fringe of lake in M. ardens?  
 in front, with M. ruficeps behind,  
 then C. ardens. Several reds  
below (open) above  
 like does not reach the water  
 (Plots 14-16 incl) **79: 14-16**

Bank Plot - Plot 14

3 Yellow-r. Thrushes feeding on ground.

Plot 15 young → 2 in flight  
 down to M. ardens (2)

Edges of low wet land - water recedes  
very far from M. ardens - in lowlying hollows

Also M. ardens quite common (in patches)  
densities

1204 low - needed numbers

25- Plot - c. 100

14 1000m

Plot in. 1000m

2 low edges

Reached White at 1255 hrs.

1530 hrs

**79: 17-18**

Plots 17+18 - SE corner of lake Plot

1928 - lake replaced by ... Song

1878 ? lake replaced by Days P.

Plot 19

Plot 20

Plot 21

**79: 19-20**

Plots 19+21 edge + M. ardens

3 Plot in lake

4 White-r. Thrush in rough

Shore Plot 15

Red-c. Woodpecker - 2

**79: 21-23**

Plots 21-23 - in the edge country

Plot. edge + Arvicola + M. ardens in front  
edge (Darker clays - colour in  
 2 in flight)

Transition away with M. ardens + P. ruf.  
to 10 m on east side

Went up oak before and up to with  
P. ruber & P. acer. & one Sing. B. in  
+ Barber & Zamiatyph

Went up before Chis. m. up to  
up to 5 m high

8 Black-shit  
1 W. W. W.

~~Just~~ Barbed Stick  
Post Stick

Memoir Swamp - up to in from to Dept. A  
Apr 18/10

WED 17 065-79

GARDNER LAKE

0730  
0732 L.

2 Black-shit  
c. 23 Sh. - 1/2

mostly 1/2

Shore

Pygmy Lake 0740 - 0805 L.  
1 ♀ Fly & 2 dead fly  
1 Sample

Lake Pleasant View 0850

2 Black-shit - not 6 along edge

Little P. C. 4 5

Little Black C 3

Black-shit 1 ♂

Black-shit 6

Black-shit 2

Black-shit 3

Figs in "Black-shit" Bank

Black-shit

Black-shit

Black-shit

Black-shit

Black-shit?

Black-shit

Black-shit & green



Woman's Inlet 0950h.

- 4 c. B.C. 45
- 6 Sooty Gulls at beach
- 1 Gy. Petrel
- 1 White-tailed Ptarmigan
- 1 Red-tailed Ptarmigan
- 1 White-tailed Ptarmigan
- 2 Black-bellied Ptarmigan

Red Deer 1040h.

1.1 Oct. 14.5°C wgs. 1.00

1.2 Oct. 14.5°C wgs. 1.00

Higher number of birds on land with 17. wgs. 1.00

1.3 Oct. 14.5°C wgs. 1.00

1.4 Oct. 14.5°C wgs. 1.00

1.5 Oct. 14.5°C wgs. 1.00

Mangrove 1:100,000. Grid 105408 (Highway Rd.)  
1130 h. 1050h

12 S. Lark

3 Jay

2 Black-throated

1 White-tailed Ptarmigan

1 White-tailed Ptarmigan

1 White-tailed Ptarmigan

\* 1 pair of Jays with 3 (possibly 4) chicks

11:24-25

0.3m surface (barbed)

Temp 19.8°C Sed 0.1gpt

Insects - Chironomid + other swarms

1.0m 1200h

North Shore Lagoon 5000h 1600h

38 Ptarmigan

1000 S. Lark

1000 Jay

1000 Ptarmigan

1000 Jay



1415 hrs. 0.4 ppt., 24.1 °C

Syph 5.2 1.02 m. Syph (Bread)

*L. polydora*

Found food ~~in~~ - 1 nest in C. c. water  
with 1 egg. (18.0 x 13.7 mm.)

79:26-29

39.7 + 38.6 (Shell of Syph egg)

Plan 74:28

Syph nest - 2 eggs young - plus

79:29 +30

Nest shell No. 2 - 2 eggs - last remains.

(76.5 x 51.7) (80.9 x 51.8)

Last found.

Reddened

*L. rotundioris*

(translucent + black)  
inner - water column white, 1 black  
(1 mm high) (1 mm high) (1.5 mm diam)

Thousands of *L. rotundioris* (young) in green ridge water

(0.6 m deep) - mostly - above green ridge, other

been + yellow

1615 hrs - 79:31

Remains of

2 Syph ~~...~~

Syph 16 min

Another found nest in C. with eggs

- with egg

Water green - few eggs without - some

shellless, but some of eggs fresh.

0-6 young Syph

Found 1710 hrs.

Eastern side of Reddened house Skat 1700 hrs.

22 Phot. shot ♂

22 Syph

3 Shell shot.

Reddened

8 Eggs - 1 red, spotted, with 2 fresh. 2 young.

Syph 16 min

Thurs 18 Oct. - AM.

Found emerged Reddened while 9

most of previous days work.

APPLY FOR WE STENOGRAPH

Sheet 1205 L. ↑ 25 386

White 4672

White 261

Point 261

James Sit ~~265~~ 96.

Skellum 48 8

Count

Time

Phk - orange/red gently mixed on surface

of lake.

Red White

White - P. Clear.

Phosphate lime standard - all part is

amphibian

White blackish lumpy - not - M. white.

- grey red - narrow stripe pyroclastic

Sol. 1 part lake, 3 part water = 33.3 ppt

⇒ lake = 133.3 ppt

Kory Swamp 1450 -

Coast - time

Grey Teal ~~277~~ → ~~277~~ hundreds.

two. small gull. (Grey water - waterfowl)

1 Yellow-billed Spoonbill.

Shorebird very low recently than clear.

Black Duck - two

Wt. Wren - 1

Scrub → 1 seen.

Photo 328 - 35 from west side of lake.

79:53-56. Coastal lake 2

White-eyed Duck. - two.

Shrike - 1

Black Duck - 2 ± eggs?

Black Duck - 2

No grass for waterfowl nesting, with some fringes of *Chloris exaltata*, *Leucopogon*, and *Muhlenbergia* on banks (near).

Sunny horizon.

Oct ppt 19.6 °C

9.25 m

K. 1530



Drumstick N°2 Sem. 15502  
Sung Heron  
Staw-needle Ebb.  
Blat-~~g~~

↑ 21517 Renee 16202  
Sung Heron  
Mud-Duck + 4  
Swamp 1

80:1-3  
Plots 1-3 Poronoma of ltr.  
Swamp Heron Nest. - Photo 80:4+5  
B in Clutch empty. These in water,  
built up to 20 cm. 35 cm wide

Male of first night, light under, top  
of M. tuberosa, the Cl. arboricola  
green.

✓ 1 Brown Bitter seen  
Found 1800 hrs.

Swamp Heron  
\$10.000.000

Lake Pleasant View.  
~~11111~~ 2305 - 2320 L.  
head ✓ Swamp Heron, Brown Bitter

Fri. 19 Oct 1978 Start 0845 L.  
Youngest Nest Renee  
2 Black Duck in backwater channel  
in Cassina.

Youngest Nest LBC, Black Duck  
6 Small birds.  
Little Pitt Cormorant

Fri. 0830  
Cantle of Steam - 0.25 m.  
Top - built.  
Twp 18.2 Sel. 20.1 pp.  
Steam flying.



Swampy part N<sup>o</sup> 2 Swamp 15502.  
Swampy thicket  
Stem-rod like Ebb.  
Flat ground

Apr 15<sup>th</sup> Kennebec 16202 -  
Swampy Kennebec  
1 Mottled Duck + 4  
Singles - 1

80:1-3  
Plots 1-3 Poronome of ltr.  
Swampy Kennebec Nest. - Photo 80:4+5  
B in Clutch empty. Eggs in water,  
hatched to 20 cm. 35 cm wide

Photo of four eggs, light brown, large  
of M. americana, the Cl. waterbird  
juv.

1 Brown Bittern seen  
Found 1800 hrs.

May 1 11000000

Lake Pleasant Vard.  
~~11000000~~ 2305 - 2320 L.  
head Swampy, Brown Bittern.

Fri 19 Oct 1978 Saw 845 L.  
Youngest Red Knot  
2 Black Duck on bankside island  
in Common.

Youngest Red Knot LBC, Black Duck  
6 Small gulls.  
Little Pitt Cormorant

Fri 19 Oct 1978  
Center of Stream - 0.25 m.  
Top - 0.25 m.  
Twp 18.2 Set. 20.1 ppt.  
Stem flowering.

Teaching Sump 1105  
Coat

2 Shrike

2 Long Tail

109) 1 Blue Shrike

109) 1 Blue Shrike

2 Adult Night Heron 30 Nests in open forest

109) 1 Blue Shrike

109) 1 Blue Shrike

1 Yellow-b. Sparrow - 6. Spent all night 4 in in air.

1 King - 6. Spent all night 4 in in air.

2 Wood Duck

Tail with distinct dusky.

M. carolinensis 109)

1 Red-eyed Vireo

Wood Shrike

Long Tail nest - 4 eggs - heavy edge

of green water

Red-eyed Vireo - 109) - 109) - photos. 80:8

Wood Shrike

Yellow-b. Sparrow nest - 109)

109) 109) 109)

Spent all night out of Nest - killed in shell see

80:9

109)

Red-eyed Vireo in tree with Wood Duck eggs

109) 109) 109) 109) 109)

Red-eyed Vireo (B) - see 80:10

109) 109) 109) 109) 109)

109) 109) 109) 109) 109)

109) 109) 109) 109) 109)

109) 109) 109) 109) 109)

48.5 x 34.3

49.6 x 35.6

50.5 x 35.6

51.1 x 36.1

109) 109) 109) 109) 109)

109) 109) 109) 109) 109)

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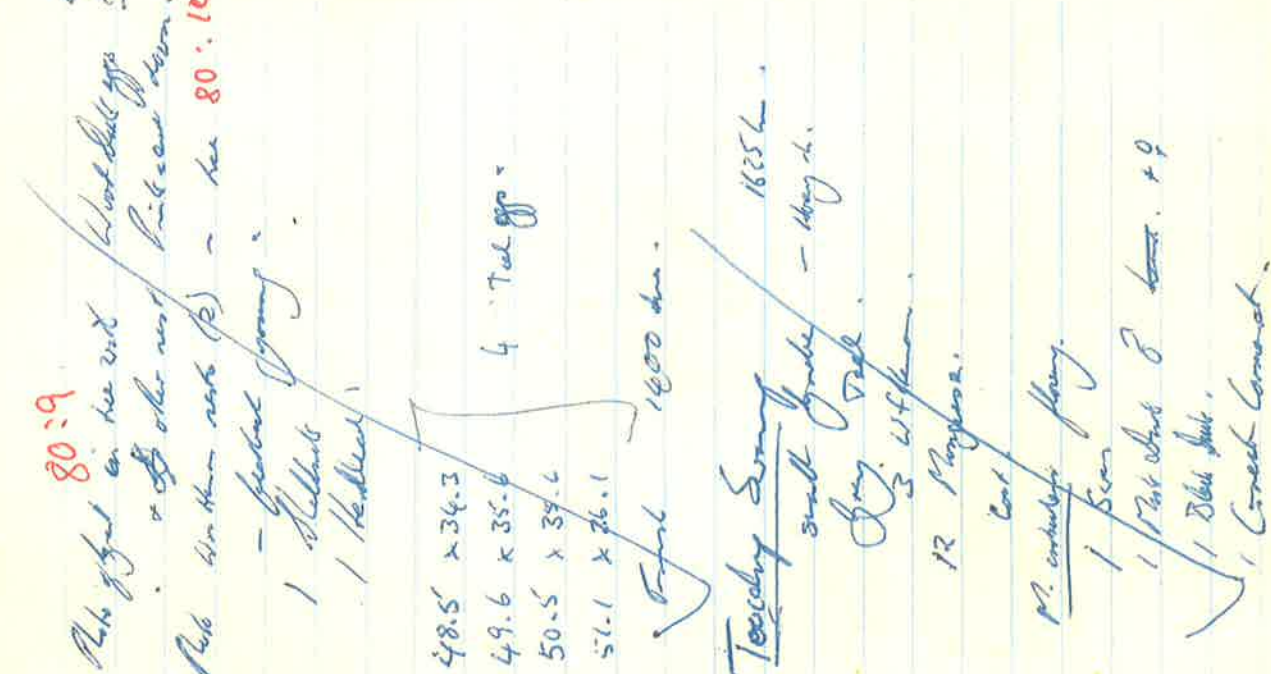
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Teaching Sump 1825 h.

Small Grackles - Heavy L.

King Duck

3 W. King

12 Kingfisher

Coat

M. carolinensis 109)

109) 109) 109) 109) 109)

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Red-capped fantail nesting in shade  
M. cantator.

1 CPC  
6 Swallow

Eggs - C. *gambelii* 80: 11+12

White Swale 1850 hrs 80: 13+14  
Droplet Swallow 0.3 m water. (CPC 13+14)

22.4 °C 0.0 - 0.1 ppt. 80: 15

Whitewren nest - M. cantator eggs 3 m off water  
Eggs in nest. 3 chicks + one egg hatching

Bar 20 Oct 79

Cardinalis 666  
Siskin 536

1 Little Pied Cormorant

Jungfay M. cantator off in flower.

Alcedo cho (Siskin)

1 Song Sparrow

Some whitethroat flycatcher (adults)  
3 Blackbird

1 Heron

20 Blackbird above marsh

3 Swallow

4 Blue-billed duck

39 Blackbird

2 Song Sparrow

3 Blackbird - female adult

Whitethroat not at all seen on BT, expect  
most are just about to moult, some  
are flycatcher variety.

1 Woodcock

Red Wren

1 Cuckoo

Eggs - sparrow + "Jack" + "Lance"

1 Mistle thrush

1 Asher gull

Little Greening heron

most birds from few eggs + most of young leaves  
of Alcedo - 35 m above water level

4 eggs. Least with whitest feathers

2 p/bbs. 80: 16-17



Short grass frog - Gerrhonotus?

Anders C. Swales Nat. - 3 eggs

1 W.L. Horn + 1

Chromolaichthys + dryomphala

White Ridge - 0.8 m over 1000m.  
0.1 ppt 19.4 °C Super (water)

Foot by P. Jones  
about 1000  
Yellow "giant" frog  
Clarks? - softer

Alan Peacock - Steel Kivo Room

Lake Hills - Lake to east of

Sept 11, 1960

Cost  
Gray Duck  
Wood Duck  
small flycatcher  
Cormorant  
Tyrone

W.L. Horn

49.7 x 26.5 mm. Very green egg  
stone in nest (the before Lake 4/18  
(v. light nests contained)

Water has much E. available - N. in winter  
over it. (M.C. family)

But White swanlet from water.

Most of this was dead, small gulls  
Youngs - 4 probably today average

Sept 1.5 ppt Temp - Time 1130 km

Depth 0.5 m

Final 1300 km. Rainy partly fog.

Home going N. greenhouse?

Yellow

Correct? note fully found in P. water  
found on ~~the~~ east side of water of lake.

Yellowing Lake Lake sample  
1410 km

Temp 19.8 Sed. 0.75 ppt. B. water (swell)

0.4 m deep

TUES 6 NOV 1979

~~80:24~~

Lobe Noyon 0807 h.

On reserve

Pink - Grey ~~larks~~ Goshawks.

Crow/Tail 15 - Part of 50  
East.

Oyall Gorge 0.85 m.  
Hooded Mollusks - 2

Willow Flycatcher -

Sheep Scam Carvers

Black - f. Dotted 2 -

2 White-necked Terns - 1

Pair of white swans

Partridge -

3 White-bellied Tattlers

1 small lake with 3 Glass I Gulls

another Glass I Gull -

lots of red-billed - please count edge of lake.

1 ♂ Red - eyeed Tattler.

2 Least Terns

1 Pint-necked Duck

Loamie on west end of lake heavily - eat and sleep.

Final 0855

Note sample taken at depth gauge (surface)

Plot of ~~180:24~~ 80:24  
of ~~180:24~~ 80:24 on west side.

Lobe Canyon: 1170 h

lobe in DRY

Level of lobe bottom at gauge is 0.17 m  
~~0.17~~ (ie reading on the gauge)

Lobe Plain 1440 h.

Depth Gauge 0.72 m  
Cry Tail

Sheep Scam

Coat

Sheep

Foot Skell.

small gulls - Hk - heavy plange

White Gull

Pygmy Plover

Sheep Scam

Final 1500 h

Note sample taken at gauge, (at 2 sig)

surface



Bamby Lake 1545 hrs  
Depth gauge 0.63 m  
Water depth taken at gauge (surface)  
(Sample No 3)

Northey Lake DRY  
1650 hrs.

Bottom level 0.14 m.  
(see deposit gauge)

Lake Yeakley 1710 hrs  
Depth gauge 0.56 m.  
Shore Jells  
2 Common Sippie  
Skellnot.

Handouts of small myxobolus feeding on shells  
(lots on West side of lake (extensive area))  
Water depth taken 15 m from gauge  
Depth of water 0.2 m at single point  
Surface s-gate (No 4)

Brown Lake 1720 - 1750 hrs.  
just dry at gauge - lake bed 0.12 m  
56 Skellnot on West. - total no. of  
birds seen.  
Sippie 0.15 m of water over  
bed of mud of lake. Most of  
them in cluster by dead end of Clear? and  
Sippie (mainly Chen) - encountered in  
silt.  
Water depth (N° 5) taken  
in centre of lake - depth 0.15 m.  
Bottom flat mid-lake.

KONDENEW LAKE WED 7 NOV 79.

0700 - 0710 hrs  
Depth gauge nearly 0.20 m. Like s-gate  
(S-gate N° 1)  
taken at gauge in ~~0.10 m~~ of water.  
Heavy coating of silt on bottom.  
Several lake will burrows - no bird seen  
- definitely none on water and no large birds  
on banks. - may have been small, though  
I doubt it.

(60)

Outflowing Lake - DRY

Its lake bed level 0.30 m. at Jang.

Met Sand Bag from PWD (some later returned)

Five tents moved to place.

Wanted to make slight embankment in

5 gallon of concrete.

PWD have glass sight vials - treated

in de-aerated water - have a "swabber"

No ticks, each bottle is individually

numbered

Top most vials in 2.0 m, 50 in diameter.

Wabjony - DRY

Lake bed 0.14 m.

Tashin - DRY

Tashin - DRY - see p. 6. 80:25

Lake bed at 0.09 m

Bohan - DRY

Lake bed at 0.07 m.

(61)

Little Lake - DRY 81:2-4

Lake bed level 0.05 m.

Pengyong - Dry (during mud)

Lake bed level - 0.07 m.

Flyskott - Dry, but will run more

of water over mud if it dries to run. Lake bed

level. 0.08 m. No sight seen.

They all went over most of last of lake.

1330 hrs. No birds.

Wabjony Start 1350 hrs.

Lake level: 0.24 m.

Subnet counted 420, estimate 3,000

When broken net in nest box

75 birds partly in dry exposed close mud.

c. 175 Dead Salt

1 Sharp-tailed S. sp.

hundreds of Gray Ticks

1 Black Duck

17 Pied Skitt.



Wading bird.

2. Common Snipe

1. Little Green-bird with Pied Sill.

1. V. small. At a distance I counted it 400
2. Common Snipe
3. Three or four birds - no call touched.
4. Long straight (no square) bill.
5. Feet beyond (wholly + distinctly) tail when in flight.
6. Small enough to walk under Pied Sill.
7. Obvious groundling - white up back.

Final 1495 hrs.

Chase? over bottom of lake (thickly.)

Water sample B taken at jauge in 0.15 m of water

Queenway - Dry

Take bird back 0.27 m.  
6 Shikhat foraging on dry bed.

1B: Mungpa also dry.

1 Morning - DRY  
Take bird back. 0.06 m.

1 Morning 1610 hrs - 1630 hrs.

4 Shikhat  
Shikhat Snow

7 Pelican

small gulls  
Blackbird

Grey Teal.

Sample taken at jauge. 0.81 m.  
1 Pied Sill

Sample taken at jauge - 0.10 m of water.

Cesconia - DRY

Lake bed level at gauge 0.56 m.  
Rambler Dam in downstream of lake.

Geyser - slowest geyser - lake bed is 1.00 m.

50 crabs lake bed is mostly of  
Geyser  
P. pschodeni D. L. L.

lake bed level at highest geyser 0.14 m

Final 1810 h

strongly numerous low water (and dead trees)  
over lake bed.

Lawson 1845 h

11/1/18 - 1

3 Teal. flock of c. 60

April Geyser reading 0.14 m.

Water level 0.10 m of water next to gauge.

Water level (3)

Final 1850 h.

Lake Geyser 2130 h.

level of lake bed 0.02 m at geyser  
(checked geyser reading)

Lake ca DRY ca c. base.

Water 100 m out post Geyser.  
Water in stream.

Cornellburg Then 8 Nov 79  
0840 h.

DRY

Lake bed level at geyser 0.12 m

Cathartes aura

09 15 h. 29 Blackbird in wetland system from the bed  
to where it starts out (c. 1 km)

1 Common Scaup in lake geyser geyser.

4 Teal. 500 m downstream

April Geyser reading 0.91 m.

Water level taken 5 m from shore side of geyser >  
in stream 0.6 m water.

Supply of geyser to stream?



Dumblong Lake

Lake level at gauge 0.13 m!  
~~Lake level~~ < 0.13 m.

Water gauge taken 100 m out into the lake - depth at site = 0.10 m.  
~~100~~ 1005 m.

Counting Lake

Depth gauge reading 0.48 m.  
Lake gauge taken at gauge in stream 0.1 m out water.

Fri 9 Nov 79

1030 Lm Lake Plains

Black Swam N

Red S.W.H. 5 + 17 + 80

Cost 94

Shellfish.

Red-tailed Shearwater - 74

1 Black-billed Petrel. 1000. + 1

Grey Tail - 2

Black-f. Gull - 28 + 3 + 5

White Gull -

Common S. Pigeon - 1 nesting on structure.

1 Shearwater - Petrel. Shearwater. + 1

2 Red-capped Shearwater. + 3

Shear Gull - ~~1000~~ 5, 11  
small gulls. 15

2 Red-n. Skuas + 3

Jaegers - 1

Yellow eyes of King plover - 5 out of lake  
(beached side)

Shear Gull not with one egg - foot of shore  
area / about on S. side of lake

c 30 Gulls

5 Frigate Gull! with Cost.

Sea plots of c 500 Cost, around 500  
at > 1000 - 1000.

> 1000 Grey Tail

1 hundreds Petrel - cost Dink.

(68)

<sup>c30</sup>  
Plant of ~~Chrys~~ Red ~~wood~~ ~~Shrubland~~ - ~~very~~  
to prepare the ~~details~~ of the ~~area~~  
M. ~~intricatus~~ ~~Partridge~~  
- ~~with~~ ~~John~~

The dead trees were ~~the~~ ~~the~~ ~~more~~ ~~the~~ ~~same~~ ~~ones~~  
and ~~the~~ ~~same~~

~~John~~ ~~John~~ - 0.70 m.  
plant ~~c. 250~~ ~~last~~ ~~hill~~  
82 ~~John~~ ~~John~~ ~~counted~~  
~~John~~ 1250 km

CLIVE MINTON.  
10K Flaw  
Hills Home  
No 11 Queen St.  
c 5.00 pm.  
(off ~~St. John~~ Rd)  
→

(69)

TO DO

MON 10 DEC 79

Phone Calls - ~~Down~~ ~~Phone~~  
~~7~~  
+1  
+1

TUES 11

Photograph plan ~~later~~? → ~~RRR~~ in morning.  
~~Bent?~~

19 (171) ~~Ray~~ ~~St.~~  
Buccinum

Bring 287 5800 (Flows) 991135 (40m)  
Chris ~~John~~ to go home with him for dinner.

WED 12

Send log to ~~RRR~~. (via ~~John~~)  
~~Bent?~~ before 4.30 pm  
~~John~~  
~~John~~ ~~John~~ ~~John~~



Thurs 13th Dec

Banks.

Jans for dinner other bym.

~~Present for Dave bus, Mung~~

Pay for phone calls + dinner please

Drinks at Jans

~~Days at the library + walk~~

FRI. 14th Dec

Wheel station?

Train to Carbone

Dep Mts 0840

Arr Carbone 1810 pm

Letter to Norma.

SAT 15th Dec

Vel Jolly.  
See Sue Bagg?

Xmas Present for Val.

Sund. 16th Dec

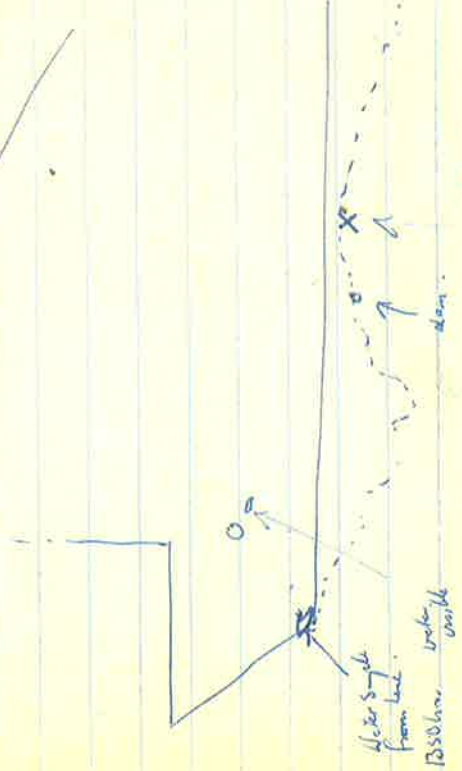
Fly Carbone to Lond.

MON. 17th Dec

Report photocopied + circ.

Jan 22 Jan 80

Youngling Swamp: Snow in vic  
This part of the & hollowed hill - hill  
went from base at W.M. Evening  
near and side of G.S.



81:9-13

Notes for base: high hill  
1200 km.

16 other water available one average. Approx 4  
 to v. wet - water, dry in summer.  
 No birds visible. No hay for storage.  
 1 block of average size is reported. Plot is  
 a "Mekong type" which is evidently  
 important. Yield from 1 <sup>block</sup> ~~block~~ <sup>of</sup> ~~block~~ <sup>of</sup>  
 areas in July is approximately

(Block of high ground over 16 average low M.H. base)  
(Barriers in some cases)

Old place of water supply now 6 <sup>Therapsids</sup>  
 2 second <sup>Therapsids</sup> <sup>Therapsids</sup> & 2 <sup>Therapsids</sup> in reserve  
 5 birds further east.

Only sample taken  
08:35

- WED 23 JAN 80

21 CBC

1 LPC

2+1 Darts

1+1 <sup>Therapsids</sup> <sup>Therapsids</sup>

1 Black C.

8 Black <sup>Therapsids</sup> <sup>Therapsids</sup>

1+1+4 W.H.

1 <sup>Sung Hweei</sup> <sup>Sung Hweei</sup>

09:15 <sup>to</sup> <sup>Therapsids</sup> <sup>Therapsids</sup>

10 Black <sup>Therapsids</sup> <sup>Therapsids</sup>

5:25 CBC

100 <sup>Sung Hweei</sup> <sup>Sung Hweei</sup> → <sup>Therapsids</sup> <sup>Therapsids</sup>

100 <sup>Sung Hweei</sup> <sup>Sung Hweei</sup> → <sup>Therapsids</sup> <sup>Therapsids</sup>

Found 1000 L.

c 0.45 in day - culture



1. That two should be working flycatcher  
2. Second to be seen  
Finds 1000 km

Lobe Jumper  
Hill back of water edge 1300-1400 km  
Saw 2 LPC  
1 LBC fly past.  
Just only single.

→ A30523  
1715 km 3 Blackbirds  
1 LPC

1725 km - 2000 Sunny. 1 LPC  
81:14 1740 1750 fully black wing section of  
unknown. (up to 1.8 m high)  
3 LBC, 1 Wood Duck.  
Bank of NE 1750 km  
Lobe LF Black Gullies on pasture.  
White single below.

Thurs 24 Jan 80  
Dagrange Lake Start: 0650  
2+2 Blackbirds  
1 Red-c. Parrot.  
2 LBC  
1 Whitey Gull  
Finds 0709

↑  
Photo 14-17 81:15-18 of Dagrange from N side of Lobe  
- open into road & past pasture. Some single  
on fence. White single seen.

0784 - Lobe Summit (also on tower-A1-30523)  
2 Western Swallows, in water on E side of lake.

What is western & presence of Lobe Thrasher?  
(↑ 25784)

How sample taken from Lobe Summit.  
Photos 18-21? of L.S. from E side.  
Finds 0751 km.

81:19-22.

Lake Mangrove - short song  
- short ~~1100~~ 1100 hrs.

23 Black Duck

Black Duck

Coot

Small Grebe

Tall trees in Keri Forest. Lower Tanager  
in Agnis (Hemorrh?) woodlands. Lake is  
fringed by Great (Impatiens?) with  
occ. Thalassia

Fish - lake.

1 Song Sparrow

1 Large Black Cormorant

1 Black Duck Flycatcher - full song in alt.

2 Black Swan + 1

4 Grey Teal

Headland

1 Green Lined Tanager

Play Keri Forest - SE corner of lake.

2 Little Parrot C.

3 Black Duck (1 moulting)

1 Long-t. Tattler

Water Sphule taken.

Forest 1245 hrs.

TOTALS

100 - 150 Black Duck

60 Coot

10 Small Grebe

3 Siskin

3 Swan

1 Green-capped Cuckoo

15 Black Duck

1 BC

3 LPC

1 or 2 Song Sparrow

4 Grey Teal

1 Headland

12 Species

100 - 150 Black Duck  
60 Coot  
10 Small Grebe  
3 Siskin  
3 Swan  
1 Green-capped Cuckoo  
15 Black Duck  
1 BC  
3 LPC  
1 or 2 Song Sparrow  
4 Grey Teal  
1 Headland  
12 Species

100 - 150 Black Duck  
60 Coot  
10 Small Grebe  
3 Siskin  
3 Swan  
1 Green-capped Cuckoo  
15 Black Duck  
1 BC  
3 LPC  
1 or 2 Song Sparrow  
4 Grey Teal  
1 Headland  
12 Species

Black to explain anomaly of lake - anomaly here,  
try to add to early season + late season  
changes.



F-02 25 JAN 80

↑ A 15677 (PW 169)

2 juveniles 0653 - 0705 hrs.

10 birds

Took water sample.

How hard  $\frac{1}{2}$  ball.

date is for corner of Park and Fisheries Rd.

Kent River Boat Survey 0840 →

1 Black Duck - 1 moulting

1 ~~Sheldrake~~

1 Diver

1 L.P. Cormorant.

Mott Duck.

1 Jay

1 Jay

4 Sheldrake

2 ♂ Canada Teal

1200.

Then at 0845 hrs.

residuals

50 Black Duck

6 Sheldrake

6 Long Teal

2 Canada Teal

3 Mott Duck

c. 10 Little Pied C. (mostly in 1st)

considerable moulting 5 birds. [6 birds] ~~from nest~~ - 2 young left with water.

3 Little Pied C.

4 Large Pied

4 Diver

1 Long Teal

Small 1050 hrs.

Kent R.

↑ 20381 SKL 1150 - 1245

Wells eye Lake.

1 L.P. Cormorant - not flying.

OWENS CAMP SWAMP FIRE 25 JAN 80

Start 1230h. cont.

25 + 2 Black Duck - 2 mostly (Willetts)

5 LBC

18 CBC

1 Coot

1 Duck

S. Bar 1245h

19 Black Swan

10 Shrike - 1 mostly

14 Pelican

40 Short Duck - 1 mostly

2 Grey Teal

2 LBC

1 Song Sparrow

1 Song Sparrow

Black Duck

Warty kite

Coot

2 Black Duck

3 LBC

1 Red Wattle

5 Black of Duck

2 Ground

5 Willetts 1 Red Sh.

1 Red - n. Swan

Most Wattle are feeding on body of mostly (feather 11111 - inf) Black Duck.

Brown Duck

Totals 180 Black Duck - 15% flight

120 Shrike - 20% flight

20 Pint Duck

2 G. Teal

25 Swan

14 Pelican

2 Song Sparrow

1 Song Sparrow 1 Brown Duck

1 Warty kite 1 Red Sh.

2 Ground

6 Black of Duck

22 SPECIES. 1 Red - n. Swan

5 AF Wren

4 small gull

2 Black Duck

30 L. of Black C.

20 Little Black C.

1 Red Wattle head

2 Coot

2 Duck



Thurs 31 Jan, 1980

A 5456

1210 h. - 1213 h.

Carion lake - DRY - all water has frozen  
of *E. rufus* and *Campestris obscurus*. *Melospiza*  
seen into the lake; and a few *S. discors* in  
well. Most of timber is dead

lost plots - replace.

|| Wetland Monitoring Data Sheet - Delivered by Colman for  
Office use only.

Wetland Survey Form - presence of *SLK*'s?

Forrester Lake 1240 - 1242 h.

c. 1000 *Skelembi* in lake.

Depth ← gauge.

TUES 19 FEB 80 A 7184 - Proctor Run (PW 131)  
GFB + JC.

0920 - 0940 h.

1 LPC

lots of noise flooding

None in Canal Main + Bull Terrier, + N. Heron  
Understory depleted.

10 m bank down to river.

Grass flowers on bank.

Also *E. rufus*.

To see *Abot* (eggs) on flat areas of mud bank.

Photos 22-23 looking upstream from bridge.  
81:23-24

→ A 25446 Thelwood R. (PW 129)

Start 1045 h.

6 Black Duck

Photo 24 81:25

have goody flooding

Sparrows

Swamp Sparrow, ~~Grey Finch~~

birds found by *Melospiza* to tree, then *E. rufus*.

None seen + *E. rufus* (2nd)

28 Peew. Red-c. Parrot.

3 Short Duck.

Total = 7 Black Duck, 1 LPC, < BC

1 Swamp Sparrow, 3 Wood Duck

Final 1220 h.

↑ A 23515 Blackburn C. (Bingham) (PW 225)  
 Start 1350 hrs.  
 2 Thick shrub  
 2 Little Gutter (Yellow Sp.)  
 1 W.K.H.  
 2 Water oyle taken  
 Pass Fringe of "Ti Tree" along edge  
 Then E. ridge  
 Then Stairs/Bench.  
 Kivi Hoing.  
 Finish 1405 hrs.

↑ 20810 Dorothy Reserve 1520 hrs.  
 Above along bank on west side  
 Plots 1 + 2 taking specimens. 82: 1A - 2A  
 Water oyle taken.  
 Kanni + moss behind fringing vegetation.  
 (Have banked irregularly down on plots?)  
 Plots 3 82: 3A taking specimens further up.  
 - di tree shrubs + granite rock.  
 Many mosses + ~~lign~~ ferns fringing or  
 near which tapping about rocks.  
 Finish at 1555 hrs.

↑ 31621 Coverdale River E. Bench  
 1745 - 1800 hrs.  
 Above along length of E. side  
 Along S. narrow gully (dry) as heavy  
 scrub. Not a watercourse.  
 Hand count plot 1: 100,000 mag  
 with 20 pins as specimen.  


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 ↑ 3308, (PW 225) WED 20 FEB 80  
 Start 0950 - 1010 hrs.  
 Gray Forest.  
 Victorian Shire.

Creek course with M. gully etc. to 10m  
 and E. ridge. E. woods blind.  
 Bank of water - starts of hem-lb. tree.  
 Plot no. 4 82: 4A  
 Muddled.  
 Suber.  
 Muddled the height from 500m south to north.  
 This would fail in probe.  
 Blotchy signs of moss. heavy use by rabbit.  


---

 ↑ This course is not the true Yellowy Pool  
 VP is further upstream.



Yellowy Red island 1045 L. - 1050 km.

- 3 Little Grebes (could see the yellow spot)
- 1 Black Duck
- 1 small cormorant
- 1 Albatross

Red in the water, fished by Melchior & E. radi.  
Saw from behind photos?

82:58 1 photo 5 - looking upstream -

A 15214 - Green Line  
1230 - 1252 L.

- 3 Black Duck
- 1 WFT.

A new cave with numerous pools of water  
(very small fish) etc. 1' in depth in M. sp. h. h. h.  
to approx 7m, with carpet of healthy  
Selagin, some Antennaria or other Juncus  
The course are E. radi and C. ovalis  
approx 50/50, up to 10 m.

Bird in Antennaria pool only - white eye.

Photo 6 + 7. 82: 6A - 7A

Approx from N side (then from)

(PW 226)  
A 14739

1205 - 1510 L.

Wetland area (2 large + one small) are  
closed. Barnes. Water of above ground level.  
Swamp fished by M. sp. h. h. h. & E. radi  
and a nest built behind photos & some very small

and Jack behind. Traps in NW corner of  
great swamp (disturbed area). Photos  
879 taken from here. 82: 8A - 9A

- 1 Black Duck } seen in Traps
- 1 Red Wattle } (same grass water)

around Swamp, low level

Katunung Lake. A 2667 (PW 173)

- 3 Black Swan
- 6 Crow
- 1 Black Duck

Several Swamp.

PWD bank on W. side. Gauge reading 0.97 m.

Small fish in the water. 82: 10A - 12A  
Photos 10-12 from west side.

Chicken swamp with some grass water. (then from

in 1970 photographically (is more Chatham)  
Summerly coming in from Plover's N. bank  
Fossil 1645hr

Lake Umbagog  
1720hr

37+ Shore Gulls

2 Black Gnat

12 ~~W~~ LBC

2 Blackbird

15 Plover

2 LRC

78 Black Swan

7 W. Heron

2 ~~W~~ Green Lake

P.D. along shore 0.58 m.

3 Black Duck

1 Bonnet Still

~~W~~ Fossil 1750hr

regard lake to ~~W~~ of bridge is  
dry - full better - little still - but state.

Lake Umbagog of M. umbagog. (by 6 8m on E side)  
& another.

THURS 21 FEB 80

CHAMBERS SWAMP

0645 - 0710

38+ Black Duck

23+ Gray Tied

5 ~~W~~ Shoveler

6+ Black Swan

8+ Coot

2+ Song Sparrow

18+ Little Grebe - gullies part.

1 W-reed tern

3+ S-m. Tit

1 Plover Duck

1 W. Heron

2 Wood Duck

1 Wood Duck

1 White Gnat

Photo 13+14. 82:13A-14A - open water with Chatham in

middle; Juncus some edge. 2 Gray

E. ends out & wings visible. 76

but bird rising in low sun on this day

Great is not for ducks!

7:20 - 180 ducks



1st wing Survey. 0720 hrs.

Large Chukar wing, with some seen of you (later). Dec. Grogot some eggs. No foraging eggs.

CODARUP

0725 - 0805 hrs.

- 42 Shrike
- 170 Song Sparrow
- 1 WHT
- c 10 Sn Thrush
- 1 ~~Song Sparrow~~ Whistling Thrush
- 4+ B-f. Thrush
- 39 Red Siskin → breeding plumage
- 40 Oriole. (c 30 H46 + 10 local later)
- 6 ♀ Greenlet
- 15 Black-throated
- 9 Cuckoo
- 1 Pink-eared Duck.

Red-billed Tropicbird

Open scrub swamp with small clump of *Albizia* of SE side. ~~There~~ <sup>There</sup> has recognizable fringing of *M. pruriens* and some *Clusia* (young). Much of the area was ~~not~~ <sup>surrounded</sup> ~~surrounded~~.

Strongly Grogot by about.

2 Red-tailed Tropicbird. Photo 15-18 82: 15A - 18A.

BALSAKUP LAKE - 0810 hrs.

90 Shrike

- c 400 Black-throated
- 3 Red-throated
- 5 Sn Thrush
- 6 Woodpecker
- 3 WHT
- 3 WPC

7 Cuckoo

30-40 Shrike

1 Red Siskin

2 Black-t. Duck

10 Song Sparrow

2 Black-throated

Red-billed Tropicbird

1 White Tropicbird

0840 hrs.

Photo 19-22 ind.

82: 19A - 22A

3922 ha. Lake on West side of Honey Pond.  
(East side of Talking Swamp). Dry. grass  
with fringes of M. carolinensis. Some sphagnum  
on little thing like. Some sphagnum  
= phragmites (small type)

3935 - Talking Swamp.

Sage wood swamp - a few areas of open water  
edge is rather like Cladium. - fine  
Emerged by M. carolinensis. P 4 23.  
Lake completely dry. 82123A

Little things 1100 - 11

- 3 Pelt + 2 + 10
- 1 USFH + 1 + 2
- 1 Quercus
- 16 Sium + 1 + 4 + 5
- 4 M. P. Duck + 1 + 5 + 1 + 3
- 1 Egret + 1
- 1 Mud + 8

14 LBC 5 ~~4~~ LPC

39 Lake bank

Savanna 1 head.

2 H. h. bodies.

Lake in the Honey House, on South side of  
road (is seasonal lake)

20 Black Duck + 5  
25 Mud + 2

5 small gulls  
1 + 2 Black Duck

1000 huc 1245 - 1305 h.

One water with water fringes. Several swamps  
including Cladium. M. carolinensis + B. sp.  
swamp Dentaria behind.

Lake Kodjinyj A 26678

1330 - 1345 h. East side of road.

Q about Cladium swamp. A few M. carolinensis  
changes collected over the swamp (small)  
Emerged by M. carolinensis + Sory Duck.

~~1000 huc~~

Water single lake not littlehead.

2 huc = phragmites (W24) 82124A.

1 Swampy bank

Water = 'passion' (chip ... chip)



PA 26679

LAKE SWAMP

1465 - 1470 km.

Swamp soil bog - bare areas (dry) - large areas of small ridges. Trapped by large *Cyperus* sp. and with a broken fringe of *P. carolinianus*

*P. carolinianus*

Plots 1 + 2 83: 1A-2A

Bayouing Swamp 1445 - 1450 km.

Cloud *Cladonia* Swamp DCY Bader

edge the ground is sparse and about.

Fringed by *M. repens*, *M. persicaria* and Swamp *Dactylis*, with other sedge below. 83: 5A-5A.

GRANITE SWAMP

PA 6569 PW 237

Dry Swamp. Cloud *Cladonia* & smaller sedge - mixed. Many beds of "Kerner" - also found.

*V. sp.* fringe of *M. repens* & *persicaria* & Swamp *Dactylis*

Plots 6-9. from N.W. side. 83: 6A-9A 1530 - 1545 km.

Wobbling Lake

1625 - 1640 km.

Clouds at NW corner. Walked in 70 meters DRY. Heavy layer of peat & mud about *Cladonia* fr. in top (also partly *Cladonia*) about Kerner found. Many beds in peat (peat deep, small surface). All now found in *Cladonia* at base of M.H.L. 80 m. out.

Level to *adactynis* found in *Cladonia*. 16 km. out.

PA 2681 East Bayouing (?) Swamp. (PW 179)

Lake almost to road.

Plots 83: 10A-12A *Cladonia* & smaller sedge mixed over lake bed. Changes of pure *Cladonia* sedge (see photo). Water sedge seen.

PA 2682 road 0.11 m.

Time 1700 - 1720 km. Fringed by *M. persicaria* (some brought by train) & Swamp *Dactylis*.

Also some red barbed around edge.

1730 - 1745 km.

Then the NW lake in the same manner (PW 179). *Cladonia* & smaller sedge over the entire area. Changes of smaller sedge in places (hyaline). Also changes of *M. persicaria* spreading up. See photo 83: 13A-15A → 15.

Swamp contained shallow water (not reaching to edge) - Heavy forest. Foraged by *M. persimilis* and red bellbreast ~~etc~~, song Sparrow and some *M. sylvaticus*.

Fri 22 Feb 1980 WNE A26682 PW 171

Parus King's Swamps 0730 hr.

Chickadee swamp (about) with plenty of water. Swamps here. Foraged by *M. persimilis* & Song Sparrow. Photo N717 83: KA-17A

Water high above. (High water level) A few "Jack" frogs here. (High water level)

1 WNH  
1 Song Sparrow

Most swamp at the west has a cover of dense *Chama* (about in place) and surrounded by *M. sylvaticus*. Titmouse thicket (with red bellbreast) and *M. persimilis* & Song Sparrow. Photo 18 83: 18A  
Final 0755 L.  
of Titmouse thicket  
to M-145.

Quiet thicket from side of plot.

Swamp Swamps 0835 - 0900

3 Swamps seen

1 Swamps Henric  
10 Black Duck

Water level lower than previous visit. Swamps foraging over short edge area. (0.4 m deep), Song on the side opposite. Swamps Song foraged by *M. persimilis* thicket of red flowering to tree. Also *M. sylvaticus*, *M. persimilis* and Song Sparrow.

Photo 19 83: 19A



GLEN MERCURY DAM (on tail of Punters basin south of Collier)

1145 - 1210 pm  
12 NFA  
1 Dr. H.

42 Coats

Grey Dye  
Black Ink } 137 many Blackbirds

16 [Little Cuckoo + other Alcedin] many Little

13 LFC

1 Phalarope

1 Black-b. Lark

3 Wood Duck

2 LBC

~~BLUESHINING DUCK (found a lot, south of Collier)~~

green Wood. Juncy thickly at water edge - orange bells on  
stomach below.

Also fish = water (21. sand)

Bygone 20 ft of bar had exposed  
These have been removed - why? - have infestation!  
- entomologists should see.

Lake Cayung 5 APR 80  
Island Construction 83: 19A - 29A incl.

Coverts To 1

Star 2

Shovels 3 1024 - 1037 (13 min)

Coverts Coverts 4 - ~~1037~~ 1037

Coverts 5 --- 1103

Star 6 1103 - 1128 (25 min)

Coverts 7 1128 -

Lake George

Grey Tail, Red Sk. H., Black Sk. H.,  
Common Eppie, Greenback (incl. flock of 13), Black Swan,  
Arctic Gull.

(100)

Udelsker - 10 MAR 80

7 Red Skiff

2 Banded Skiff

Red - 2 skiffs

150 Sky Deck

W. L. L. L. L.

Y 6 Spent.

6.17 m.

Wed 30 APR 1980



Fri 2 MAY 80 in.

y SW.

Fibris ~~88~~

84 - 91 in.

+ 92 (gent)

(92 is 23 in.)

(101)



October - 10 MAY 80

7 Red Start

2 Banded Skat

Red - a snake

2150

By Ted

W. D. H. H.

Y6 Gambell.

0.17 m.

Wed 30 APR 1980

→ Fin 2 MAY 80 ind.

Chris Long of SW.

Photos ~~Finish~~

84 - 91 incl.

+ 92 (gent)

(92 is 23 ind.)

Tues 6 MAY 80 Continued.

1330 - 1345 hrs.

P 27216 (PW 130)

arrive in h. Munday Park - dry  
Cuckoo first found by Mellicham (shrike?)  
and Emm. muller

Query: Munday Park appears to be in

↑ 12472 - what is its purpose?

Should ↑ 27216 be classified as

a UNR or not?

Wedge I. 1:100,000

↑ 26248 (PW 133)

A "white" wet area. Mill pasture.

and B. scrublands over most of it.

Also has sedge and at least 3 species  
of Pogo willow.

Query: Park should not be stamped  
as a WARR 1:200,000

Wedge Ia. 1:100,000

WED 7 MAY

Situation like

Long Road Property. GF 305 292

c 1120  
- 100 ha.

c 250 Duct

many Guy Tuck  
Black Duck

Smelter. c 10-15'

Pied Bull

Jumbled heath

WPKern

~~the~~ Strawstack THIS.

Skilthack

Black pasture. (part) E. canaliculata.  
some perimeter out flod plan area.

Cave!

2nd lobe

My Met shrub with Conium  
and E. canaliculata and offes.



White Lake. c 1215 - 1245

c 800 Ducks (800-1000)

Many Gray Teal.

Redhead

Pint-necked Duck.

Shoveller

Wood Duck

Red Bill

Avocet

Canada Stilt

Black Swan. Scaup, Harrier

Water level - low. Water is from recent rains.

Lake is green, with algae on East & South side. Lake surrounded by

Pinkish (dunes, but like M. scrubosa, be

swamp) and Cassin's teal (mainly

Cassin's). Some flocks of Em. and Golden on outside.

Lake Inflow

c 500 ducks

Many Gray Teal.

also Black Duck.

1 Avocet

2 Groundhills

Water level v. low - recent rains.

Arrow Lake

Redhead

Black Duck

c 6 Water.

Thru 8797 80

"Cross Lake" - from N end. 1100 km.

Thru 4. Donald 52 Gray Teal. 26 Red-necked Stilt.

Perch 11 Black Duck 4 Curlew sign

Beaver 25 Black Duck 2 Red-c. Duck

Mudlet 3 Shoveller

Golden 9 Pint-necked Duck

Gray Teal

Photo 23-25. 92:24-26 6 Emu

106

Western route into Arns Lake

3.8 km. station (road) back from  
7.9 km west along road opposite Debyegele (to  
the west).

Edge of lake Cassin's, Mel., + Eric (longish?)  
Acacia woodland. Then up onto sand at  
edge of lake - into Eric (longish?) and  
~~Acacia~~ Acacia woodland.

Tip 13 MAY 80

Lake Abney - 0.36 km.  
1050 ha. c. 300 + Grey teal.  
Shelduck.

Lake Brown - by orange (0.15)

Teal - limit of Shelduck  
some Grey teal  
Tandem St. H.

La  
Shelduck - dry - gauge at 0.51

107

Blk. 25-36 + 1-3  
4-6  
7  
9  
10 - (red lake - sand - on 1:250,000  
Arns Lake

66m further north

Grass  
thicket.

2) Arns Lake  
for 1:250,000

3) Arns Lake

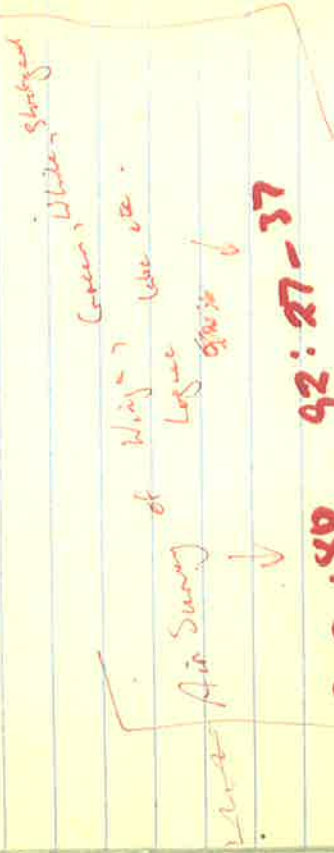
1) Arns Lake  
W. side + E. side  
W. side + E. side



108 a

108 b

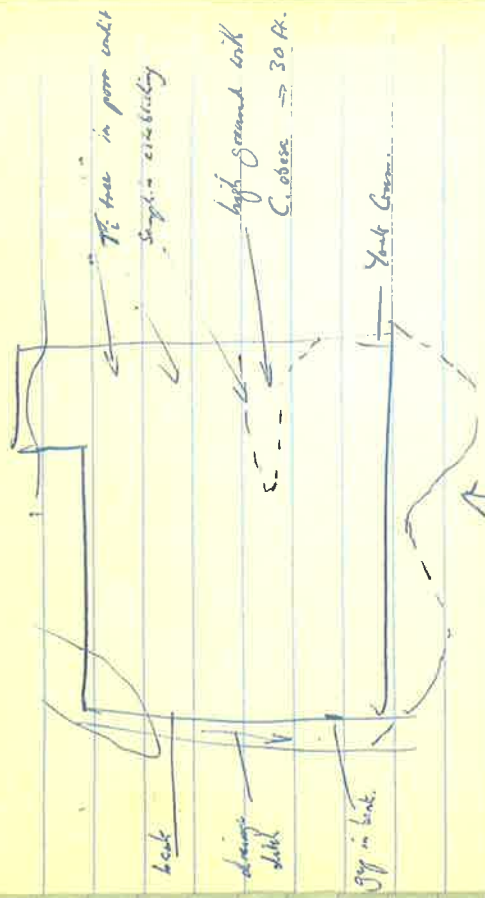
Plow wings - Thornhill & G. Paul Lund



9770180 92:27-37

28 level  
 28 level  
 Common area marked → 8 m.  
 Marking system  
 28 level

FILE 23rd MAY 80 1200 - 1400 km.  
 Lot 3209 injection - south of Krasnodar



Fence line along edge of wetland.  
 Frage of E. timber with Technical school.

Wetland area in southeast → dense T. trees  
 (2-3 years of M. blue, one in M. heritabile)  
 DRY.

Dike area 28 level  
 28 level  
 Red Wetland, along Wetland, To the shore  
 Marking, within 100m.



22 level

24 level

Common sites woodland → E. etc.

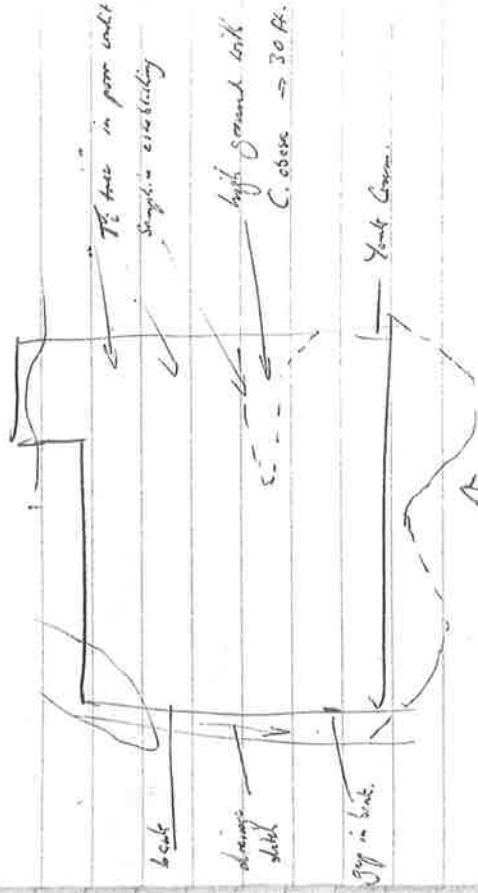
Machimus [unclear]

York Site

[unclear]

[faint handwritten notes]

Lot 3209 vegetation - south of Denmark



Franchise stay safe of woodland.

Frays of E. ratio with Franchise behind.

Woodland over in southeast → dense Tg trees (2-3 grains of Machimus, one in M. [unclear]) DRY.

Dink over 28 level Run, Dink Site, Red Woodland, [unclear] Woodland, Tg tree above Woodland, [unclear] Woodland.

Frank Castrianni  
32 Grosvenor Rd.  
Mt. Wesley 6050  
R. 328 4309.

