

<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1970-84)_19	1984	(15-03-84 / 16-03-84)
JL_(1970-84)_20	1984	(20-09-84 / 05-75)
JL_(1992 on)_1	1	(03-11-92 / 03-08-93)
JL_(1992 on)_2	2	(04-08-93 / 18-09-93)
JL_(1992 on)_3	3	(18-09-93 / 26-10-93)
JL_(1992 on)_5	4	(27-10-93 / Dec-93)
JL_(1992 on)_6	5	(14-12-93 / 22-12-93)
JL_(1992 on)_7	6	(23-12-93 / 06-01-94)
JL_(1992 on)_8	7	(18-01-94 / 18-03-94)
JL_(1992 on)_9	8	(21-05-94 / 08-07-94)
JL_(1992 on)_10	9	(03-07-94 / 02-09-94)
JL_(1992 on)_11	10	(02-09-94 / 17-11-94)
JL_(1992 on)_12	11	(22-11-94 / 9-03-95)
JL_(1992 on)_14	12	(15-03-95 / 01-04-95)
JL_(1992 on)_15	13	(02-04-95 / 07-04-95)
JL_(1992 on)_16	14	(07-04-95 / 29-04-95)
JL_(1992 on)_13	15	(29-04-95 / 17-05-95)

TO BE CONTINUED

Jim Lane's Field Notebooks

(INDEX)

<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1970-84)_1	1970-71	(6-12-70 / 17-2-71)
JL_(1970-84)_2	1971	(08-03-71 / 21/01/72)
JL_(1970-84)_3	1972/73	(24-01-72 / 15-02-73)
JL_(1970-84)_4	1973	(05-03-73 / 15-11-73)
JL_(1970-84)_5	1973-74	(12-04-73 / 11-06-74)
JL_(1970-84)_6	1973-74	(03-12-73 / 28-03-74)
JL_(1970-84)_7	1974-76	(03-05-74 / 24-10-75)
JL_(1970-84)_8	1974	(26-05-74 / 18-11-74)
JL_(1970-84)_9	1974-76	(28-08-74 / 02-10-76)
JL_(1970-84)_10	1974-76	(21-12-74 / 25-01-75)
JL_(1970-84)_11	1976	(25-10-76 / 27-11-76)
JL_(1970-84)_12	1977-78	(16-10-77 / 21-03-78)
JL_(1970-84)_13	1977-78	(24-10-77 / 19-04-78)
JL_(1970-84)_14	Oct 78-Apr 79	(06-10-78 / 14-04-79)
JL_(1970-84)_15	1979 (Apr-Sep)	(16-04-79 / 19-09-79)
JL_(1970-84)_16	1979-80	(26-09-79 / 23-05-80)
JL_(1970-84)_17	1980	(14-05-80 / 07-11-80)
JL_(1970-84)_18	1982-83	(13-03-82 / 18-03-83)

Has Benchmarks + Affo
defects for Survey Lake
order.

2



\$.35¢

NOTE BOOK

No. 560

Contains
Lindens
Benchmarks

J. Lane

(07) 405 5100 (w)

4/8/93 — 18/9/93



①

son Brian

Nick + Sue Wallick

ph⁰⁹⁷ 53 2132 (w)

52 4022 (w)

PO Box 495

Bsn 6280

He who pays the pennies
calls the piper

Dr John Gunning - President
of LA County Doctors Assoc.

ABC regional radio ~~8/8/8~~
8.50 am 4/8/93

(2)

Wed 4 Mar 93
0840 hrs

57 Seaside Ibis

1 Slatkin

2 PeBD

all on "beach" (arm of estuary)
1 on east side

as shown in to the house
Seaside estuary over the Point
geographic side

8 Great Egret

14 ScaI

feeding at N end of estuary
on west side in same area

0845 hrs

2 Whistly Kite
observed at 0900 hrs

56 ~~PeBD~~ PeBD + 1 LPC - feeding

1 A Pel + 2 LPC roosting

in middle of this area

(3)

4/8/93 Contd



4. Quail flushed from grass on
way ~~into~~ into Vasey Swamp
along.

1 Marsh Wren overhead. 0850 hrs.

21 + PADD in lake on
east side as shown in
sketch. (viewed from where I
parked).

1 Pipit in grassland.

1 W. Ch. on songline bush

1 ♂ Sh. at S end of com.
to W of me.

47

4/8/93 Contd

0940 hr

Willow Weyher in sedge-bush

0945 hr

7 swans sitting on nests

1 swan nests to nest
just been sitting in

8 swans on nests

2 swans active together building
nest on little island close
to N shore of Vase Bay.

(5)

1015 hrs

4/8/93
contd

8a 7 swans sitting on
nest mounds (with new
material obviously added)
in eastern part of
Vase A colony.

1 swan sitting on
nest etc in western (mostly)
part of Vase A colony
on its northern edge (i.e.
at edge of water).

2 swans still in close vicinity
of nest they are building on little
island.

9
= 10 currently extended nest
mounds - Vase A

(6)

4/8/93 contd

1015 contd

3 swans sitting on nest
mounds over it Verse B
- maybe more (for every)

depth gauge reading = 0.21m

1025 hrs.

Nest No

26 - no swan
25 - large mound new
metered, swan on top sitting
27 - no swan
24 - one mound high
" swan on top

(7)

4/8/93 contd

10 nests - eastern part of
Vespe A upper section

+ 2 - western part

= 12 active nests - Vespe A

+ 3 " " - Vespe B

← 87 Swans around E part
of Vespe A 1045 hrs

< 15 - W part
of Vespe A

< 7 Swans around Vespe B

Total = 109 Swans

(8) L.G.B. work in sapling

4/8/93
on the

1100 hrs

took photos of fox &
tracks on way back
to vehicle from Nessel A colony

1410 hrs — South side
of Womersley Estuary

1 Swan sitting on nest
nesting head down
mound with much new nest
material

2 swans (pair) nearby ¹⁰⁰
(150m)

⇒ Total of 3 swans

2-3 spp frogs calling in woods
on the creek on Sth side of Womersley

(9)

4/8/93

cont'd

1455 hrs

new ~~Wandering~~ colony
Wandering B

1 long island has 13

Swans sitting on rest mounds
with much added material

No swans standing

Wm 1 " eddy material

Total of 52 swans in that area

Several of these were moving
nesting material towards rest
mounds.

2 swans sitting on rest mounds
on separate spit to E of island

3 swans on "island/spit" to W of
island

+ 1 near Lagoon Rd.

(10)

4/8/93 could

get Chris Wyfield's over
on rest photos

Alan Tingey's thesis

Build interesting knowledgeable
links (birds, veg, estuary)
into research / geography projects
(+ communications plan?)

1515 hrs

1 Wb Sea Eagle
flying over forest near
S side Womby Estuary.

(11)

4/8/93 contd

Womney Floodgates

16 45 hrs = + 0.12 m AHD.

Womney Estuary N shore from
end of deadwater E

just these birds in the
meads - not included

6 Wt Chet on top of
Sagebrush bushes

1 White Weyl

2 PaDD

c 10 Shel

4 horses

5.10 pm

In sagebrush - 5 more Shel

5 more PaDD

In pasture - 2 Mand

2 Shel

5.25 pm

(12)

4/8/83 Contd.

Contd.

2+ WFC6r
1 Witing Wykeil } in
 signline

6/7	0.20
7/7	0.20
10/7	0.30
11/7	0.40
13/7	0.44
16/7	0.48
17/7	0.48
19/7	0.48
22/7	0.48
24/7	0.50
26/7	0.52

" heavy rain
period "

Copied data
from depth gauge
sheets I took
left with the
Wallace's

(13)

4/8/93 Cont'd

✓ 27/7 ✓ 0.54
✓ 29/7 ✓ 0.56
✓ 31/7 ✓ 0.56
2/8 0.56

Leke Cl. Horn 16/8/93

0845 Lm .

4.21 m

Egret (Ardeotis) 16/8/93

0825 Lm .

0.18 m .

149

Mon 16/8/93

Met Jeff White Linda Moore
and Joanne Hollister (LHQA)
plus Charlie Nicholson and Peter
Henry (CASCAS) at Vasse
flodgettes at 1.30 pm.

After discussion of flodgette gradients
we went to NE corner of
"Swan Lake" (Wonnep) and
viewed the swans. Then we
drove to dayrooms Rd just north
of Melbays Creek and walked
across ^{view} Wonnep & swan
colony. Then back to
Vasse flodgettes to pick up 2 vehicles
we had left. Then JK, LM and I
went to BSN to stay overnight.

(15)

Had a meeting in BSA all morning

Thurs 17/8/93

1310 hrs - lake on east side

5 Great Egrets, 6 White Ibis

4 PBBS → 4 Anhinga

1 pr Sheld. → 2 Purple Swamphen

4

+ 10 (Class I ~~Sheld~~) ducklings
12

under cover of flooded Juncus at N end.
then 2 diving in centre of lake.

at grassy waters edge, then flying into
flooded Juncus.

1330 hrs.

feeding on surface of lake and
diving - initially in northern half
of the lake.

at very northern end →

(16)

then over pasture

2 Black's Kite

1 Kestrel

1 Pipit

Feeding in
flooded
sedge

22

White Ibis

6

Great Egret

1 LPC

2 PaBD

at 3.00 pm

Feeding in
open water

Nth end of lake (arm) to West
4 Great Egret, 5 White Ibis
1 Or Sheld, 3 PaBD

Feeding

2 Egret + 2 PaBD

birds in southern half. 2pm.

~~Adonises~~ on fence wire apart

6 Bt Cuckoo Shrike

Circled Lake on E side - 2pm

1 Pr Sheld only - feeding in

centre of lake.

2 GB heard in sedge

1 Great Egret

+ 1 PaBD

@ 2.45 pm

(18)

17/8/93 Contd

resting

3. Whistly hole, on fence posts
on S side of Vase A colony

1. Swallowflies flying about low.

→ I moved on to Siven peg N° 40

few additional swans in resting
area, but 100 + scattered
further to east and west of
Vase A + B

2.37 pm

~~vegetation water level~~ vegetation
suggests water level has been higher recently

455 hrs 3 pro PeBD feeding in
long lake running west adjacent to shore
- also 1 Shel.

(19)

17/8/93
Control

1 gull flushed from grass at
edge of sample area around
lake on way back to vehicle 3.10 pm.

Vespe Floodgate depth gauge
at 1540 hrs (3.40 pm)
= + 0.01 m AHD

and flowing out to sea
very little breeze this afternoon.

Concrete Holtfreter side boards are
put in to a height of 0.4 m towards
end of ~~Aug~~ winter each year
(or even into Spring).

^{AHD}
0.7 m = more acceptable height
to farmers (check)

(20)

17/8/93 contd.

and water flowing out

Worming floodgates 1550 hrs

dead calm & sunny Day the gauge

= +0.02 m AHD

Welsh Swallows. hovering over water
(low tides)

1 pr of Shoveller resting at edge
of grassy island just upstream of
floodgates

1 common Sandpiper, 1 Shal,
some Peewee, 1 Adel

1 Willie Wagtail on bank at water's edge.
Swallows probably nest under bridge.
"BSN496"

Arrive Worming B/c colony at

4.33 pm. 4 WD has chartered boat

2 men + 1 boy on N. shore - rowed
downstream. Nearest Swan nests

empty (ie birds not sitting)

(21)

17/8/93 Contd

11 19 Swans sitting on nests
on outer part of Wimmerley
B resting to land - the
shell has shallow open water
surrounding it from land

The 2 islands closest to where the
boat was launched have ~~2~~ 3
and 2 new nest mounds on
them. No swans sitting on
them, Swans all swimming in
my circle of them.

11 I moved closer to me has
swan sitting on it (as per yesterday)
4.44 pm boat returning to
vehicle causing those swans to
swim away.

LFBBGA

probably
LFBBGA
E

(22)

17/8/93 Contd

The 6 ^{nest} mounds (new) to my
right and close — in damp
sedgebed that extends to
the shore — one still still

without swans on or near

Yesterday 4 pm grass was
the same. I had

recently predicted single eggs
— 2 by fox, (1 by river?) — see
photos. All down &
flight feathers round 1,
suggesting a fight.

4:45 to 4:47 pm

They are netting — net seen
& black plastic over ~~stern~~
At 4:49 pm they are running
the net out. The bird on

(23)

17/8/93 contd

Single mound next to me has
just slipped off the nest
and is swimming away.

They are rowing towards the
Worms B colony.

At 4.52 hrs there are now

only 1 swan sitting on nest

the rest have moved away
due to disturbance by boat.

4.54 hrs they have
started end of net near Worms B
colony and are rowing back.

Beginning of net is tied to fence
post near vehicle - must be
200 m long. - can see floats.

4.57pm still only 1 swan on
nest (of original 19)

(24)

17/8/93 contd

4.58 pm boat is back at
vehicle end of net

5.01 pm pulling boat onto
trailer

5.03

pm: 2 swans now sitting (6 of 19)
5.05 pm vehicle + trailer depart. original
spot.

Net goes thru fence at 2nd space
from head of 10°

from closest fence post to N shore
N 180° 190°

5.09

pm: 5 swans sitting

5.11

pm: 6 " "

5.12

pm: 8 " "

5.13

pm: 9 " "

5.15 pm swans moving into islands
near boat launching spot.

Net extends to approx level with
1/2 way along 1st island (6 of 19)

(25)

17/8/93

Contd

5.17 pm : 12 swans sitting

5.18 pm : still no swans sitting
on islands near boat launching site

Note that swans dry their ^{cheeks} bellies with
their bills before sitting.

5.19 pm : 1 swan sitting on
island nearest boat site.

5.20 pm : 17 swans sitting
(of 19)

5.21 pm - 1 swan next to mound
nearest me.

5.23 : 17 swans sitting

5.24 : 1 swan climbing on to next
mound ~~side~~ on 2nd island from boat site
and sitting.

(26)

17/8/83 contd

5.26 pm : still 17 ex 19

5.29 pm : still only 1 ~~on~~ on
on each of 2 islands near boat
site

5.30 pm : still 17 ex 19

5.32 pm : now 18 ex 19

5.34 pm : still 18 ex 19

5.36 pm still 1 + 1 on the 2
islands near boat site — ~~single~~

~~seen on night in~~

5.37 pm — seen still floating
next to mound near me.

5.37 pm — 19 ex 19!

5.39 pm — 2nd bird now sitting
on mound on island closest to boat
site

(27)

17/8/93
contd.

5.43 pm - no change near me
- 3 birds (1 on rock island
and one nearest to me)
are standing next to their
nests.

COLD! (COLD)

5.46 pm : still 19 ex 19

5.46 pm Wellbed away 130m
to front shellers ditch.

5.49
~~5.52~~ pm seen next to single
mound

5.50
~~5.53~~ pm standing on

5.52 pm 2nd seen just sitting
on 2nd island now.

(28)

17/8/93 contd

5.53 pm - seen sitting just
over on right mound nearest
me

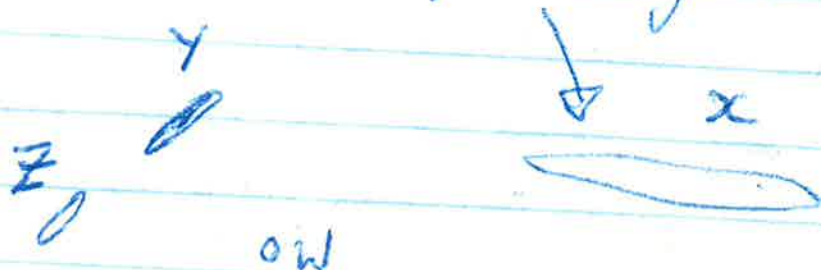
6.00 pm - the 2 others were
the 3rd nest mound on island
near back site showing no
sign of intention to go on
mound - 1 resting - 1 walking
around.

6 pm F bird - went back to
vehicle, then Bon.

Wed
(29) 18/8/83

— Start early AM.

Track of Wombats colony.



0653 hrs — 17 swans sitting
on main island (X)

1 standing, 0 sitting on mounds
on island Y

2 sitting on mounds on island Z

1 sitting on mound W.

0658 — 17 sitting on X
1 " on Y
2 " " Z
1 " " W

30

18/8/93 Contd

0700 hrs - realised the
fish net has already been removed.
They must have taken it before
0630 hrs, at least.

Stake has been left in - presumably
for another effort tonight or soon.

0704 hrs - all quiet watching
differently

0704 — 2 sitting on Y
2 — — Z
1 " " W
c 16 " " X

Sun is ^{now} up above low cloud
on horizon (behind SC)

(31)

18/8/93 Contd.

Many Pyro on short
green pasture between Lagunas
Rd & Warrump 3 along
yesterday afternoon.

0743 hrs — At Swan Lake
along — 500 (counted 380 later)

Pyro ~~300~~ 500 on road

from pasture between my
observation point (gravel
mound at end of road) and
the Wellcreek house. Most
mound onto higher ground near
peppermint ridge & kept feeding.
and also to high ground in
front of other, smaller, house.

32

18/8/93 Contd.
all sitting

5 to east of fence
1 on fence line
103 (stop before one mouse on
its own
3 on fence line

0753 hrs.

5 sitting E of fence line
1 on fence line
102 sitting + 7 standing
3 sitting + 1 standing

111

119

0801 hrs.

Much preening $\Rightarrow$ more standing
occurring in early morning sun

(33)

This is the only nest building activity

18/8/93 Contd

0804

1 very low nest

heavy material added by

2 ^{sitting} ~~sitting~~ owners (next to nest)

A few ^{sitting} ~~sitting~~ ^{sitting} ~~sitting~~ material up the slope of their mounds

1 Keen on fence line

2 Swan flyer feathers caught in to (barbed wire) strand of fence next to fence post - looks like bird flew into it

0812 hrs c 450 (counted 380)

So this is pecked immediately in front of colonial house

- short green pasture - all pecking

(34)

46 mm recorded in Drosophila

18/8/93 Contd

2-8-93 5.15 pm 0.56 m

6/8 7.45 am 0.60 m

7/8 8.30 am 0.63

8/8 12.20 pm 0.64

10/8 4.10 pm 0.64

12/8 4.00 pm 0.64

15/8 8.40 pm 0.62

Western end of Swan Lake

30 swans sitting + 3 swans standing
0847 hrs over actual ground
= 33

Swans standing on inshore nest
rocks.
⇒ total from lake = 141 sitting
11 standing
= 152 over actual
rest.

35

18/8/93 Control

21 sitting

12 Swans standing on nest
mounds which appear to have
had no new material added
this year

0854 hrs.

is very little

even still
standing over
there

at
0915
hrs

of these, 1 has 4 eyes, definitely visible
1 " 2 " " "
1 " 1 " " "

maybe more

1 per shed with 2 $\frac{1}{2}$ class I develops
fully in flooded sulphur of sewer
not colony

Sept 16 gauge reading at 0900 hrs
= 0.56 m end of flat @ low

Finish 0921 hrs

(36)

18/8/93 Central

$$330 + 79 = 409$$

Swans (total) in
Swan Lake

0910 hrs

Few other birds on lake - just
a few Black Duck and Sheld.
Ravens in the area

Hillie Wight & Pipit on fence post
in meadow

0917 - 1 Crested Tern on fence post
in lake

0948 hrs - Womboys floodgate
water level = +0.07 m AHD

Water level higher on ocean side
- quite a lot of debris into estuary
post flap, at this low levels.

(37)

18/8/93 Contd.

Vespa floodgate at 0944 hr
+0.04 AHD

Foster's Office
// Stradley St then left on right
Barlee St

Bussellton (hours) 522152

(A/h) 523371

Bussellton (hrs) 212688

1223 hr - downy in to Vespa 4
along again (across ^{Point} floodgate side)

1 Pt Skeldar + 12 Class I driftnets
still on lake (can) on east side. Feeding
in open water, retreated into flooded
sedge margin

(38)

18/8/93 Contd

1224 hrs - 1 Willie Wagtail on fence
over pasture/scything.
- 3 W/W's
another "heaving" over the
lake.

- also 3 White Ebis feeding in
flooded margin.

1232 hrs.

1237 hrs c50 (counted 40).

White Ebis ~~Esth~~ in south end
on ~~west side~~ ^(over) of lake, on west
side of track in

1. Gt + 6 Ebis at south end
of this area.

1239 hrs 1 pr Shelducks on
Crescent Lake on east side & 1 Whistling Kite
overhead.
WF Chat on scything bushes.

(39)

18/8/93 Contd

- 1253 - 1 gnat flushed
from sedge / pasture margin
- 1 BS Wren over ~~pasture~~ sedge
in sedge.
- 1 pipit on top of sedge bush.

1256 - 2 L & B Wren heard in sedge.

1257 - flushed another gnat from
fine sedge over in sedge.

1303 hrs - 1 BS Wren perched on dead
branch of sedge bush eating
something in its talons

- another resting on another bush.
- and a 3rd.

1308 - Nuthatch Nestled over sedge!
- 1 Song Sparrow along a section
of a row.

40

18/8/93 Contd

Fire in heartbeats is from B. kite
feeding chicks - photographed -
sagebrush land.

snails (white introduced) are
very abundant - sagebrush scrub.

No frogs (ever?) heard in
the sagebrush area or its
pasture margins.

1323 hrs. many small fish (sharks)
in backwaters (ditches) of lake
opposite Vase A Swan colony

1331 hrs. pile of single swan nest
around with some new material
added but not being used for
nesting

in this lake.

(41)

18/8/93 Cont'd

Vessel A Colony again

1341 hrs

^{sitting}
15 swans in eastern part
1 " " " western part

0 swans standing

16

Vessel D colony also for swans
(no ledgers or telescopes, only
binoculars)

1349 hrs Vessel A depth gauge
reading = 0.10 - 0.11 m (between)
Can't be sure which

1351 - 3 Wood Scaup! in
backwater of lake opposite
Vessel A

42

18/8/93 contd.

1410 hrs - long lake extending west
parallel to shore extending shoreline.

7 Caneel Key, 21 White Horse

94 P. 000' 566

~~Apple~~ Class I ducklings (4 1 ♀ shell)
owned

feeding occurs less incl. ^{much} ~~some~~ diving.

- Algae (plantations) seems more abundant than in previous wells

- Suckers of small "fish" also over
siphons & under surface in some
part of "leaves"

1417 hrs 86 Cuckoo-shrike fly over

1 With the water history from fence line
over flooded section

1429 Loo - defect vehicle

(43)

18/8/93 contd.

Egret photos
Vasse floodgates at 1447 hrs
depth = + 0.01 - 0.02 m AHD
and now flowing out (tide down)

Worms floodgates 1505 hrs
depth = + 0.01 AHD
and water flowing out (low tide)

15-12 hrs - ABC Regional Radio
program - book on what
to take on trips re food
& cooking gear & how to organise
it most efficiently.

"The Glow Box Cook Book"
by Tricia Martin

Sounds
very
good

for work & home

(44)

18/8/93 cont.

1524 km cross horse stud property
thru peppercorns.

2 Pa 80 rose from fresh water
see on horse stud side of
fence with water trough
20 m up slope

Surface water, *Taraxacum officinale*
sagebrush & pasture grass mixed
together.

1540 km - Womung A Colony
only 1 Swan on nest - it
is sitting.

plenty of swans (many 10s)
in vicinity of colony island.

Swan mound near viewing point
(N shore of Womung Estuary) had

(45)

18/8/93

Contd.

2 swans nearby - 1 adding
nest material while standing on
it.

Mound was very low, probably
(entirely) flooded at some
stage in past month.

The problem probably is that the
heavy grass pressure by
horses has resulted in
nest material (sedge)
being too scarce). No
evidence of eggs on or in it
or nearby.



Take photos of this (+
horses) next time.

Back to vehicle at 1600 hrs.

(416)

18/8/93 London

1750 hrs

Starling Plets

40 Swans sitting on nests
1 - - - - - steadily - -

41 Swans on extreme nests

at least 2 ^{additional} pairs of swans
building nest mounds.

on west side of levee/trails

4 sitting on mounds on
east side → 45

(25)
Q60 many ^{are} trees/unsettled
mounds on east side

(S*)

Old thore (J-?)

* Brett Douglas
RAC at Jendekot

Cenue 172 — ~~332~~ 332 7722

097 254 377

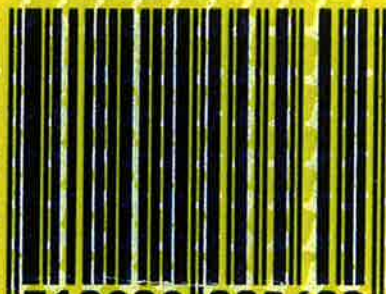
Robyn Forrest (097) 532 172

52

532172

Refuge & John Forrest

Total estuary swallows
(seen nest mounds)
were 27 (28 - 8 - 93)



9 312828 005602

(53)

Mon 23 Aug 93

Sue Wallace

now 0.51 m 23/8

nest with eggs abandoned
crows perched at eggs

prairie dog fence
(haven't looked at east end)

John Forest

they will ring him back

I said I would say them tomorrow

(53)

Mon 23 Aug 93

Sue Walker

now 0.51 m 23/8

nest with eggs abandoned
crows perched at eggs

prairie song finches
(haven't looked at east end)

John Forester

they will sing loud tonight

I said I would say them tomorrow

(54)

Rory Smith Wallace 8.30am Wed 25/8/93

She spoke to

John Forrest (son of old man)
yesterday.

Water level is 0.50 m this morning (25/8)

East end colony doesn't appear
affected

J. Forrest was going to ~~open~~ ^{join}
the floodgates open yesterday.
in the hope of a high tide
& occurring which will push
the water & back into the lake.

John Forrest normally drives across
the levee bank "on way to work"
each morning.

↓ (ie minus 0.244 m AHD)

Nesck trip -

(55)

- rail 64 ASA electronic
- ladder etc
- mag bar
- measure (type) SWLK contact

Crane Holtzman advised me
by phone 20/8/93 that

0.244 AHD is
bottom of pipe out of
"Sven Lake"

↓ 2.822 m AHD

Benchmark F3 22 m
N bank of Ludlow Canal
on W side of Rd 2257
about 60 m from

Distance approx 1 km ??
Use dumpy level

56

Fri 27/8/93

Lebe Clifton

depth gauge

4.21 m deep

at 0900 hrs

(57)

27/8/93 contd.

1 pm

Downy in off Forest Bch Rd
access to Swan Lake colony

• Tree Martin, BF Cuckoo-shrike,
Shearwater + 1 WFT in/over
the surrounding areas.

1 pr of Grey teal using flooded
pasture among roadside ditch
(road leading into Colonial style house)
— very exaggerated distraction display.
1 SCL + 1 PABD on roadway.
Another pair of Gylt closer to house

1 pr PABD in flooded pasture closer
to Swan Lake

(58)

3 " sitting " " on her side
123 Swans sitting on nests
1 " standing on active nests
127

1325 hrs

Shelducks in flooded Sphagnum
Reveries in fence posts at east end
of colony.

Some swans pulling nest material up
the side of their mounds (from sitting
position)

2 swans on nest mounds, 1
possibly feeding on nest contents (out
of sight).

There appears to be much down
scattered over the sedge of
the area.

(59)

27/8/93 contd

1. Open phacelary new material
(any time?) & move it
towards a mound.

1. Whistling birds at over the nest
area. Shelducks at evening try
to drive it off.

7 nests at east end of
eastern part of colony ~~the last~~
appear deserted (much
fresh nest material,
fair size) ~~no birds on~~
and no birds on or near)

1 on N side of colony

2 on S ~ ~ ~

10

all on higher margin of colony

1340 hrs

(60)

27/8/93
contd

West end of Swan Lake

16 swans sitting on active nests
1 " standing " " "
17 active nests

1357 hrs

⇒ Swan Lake Total

126 + 16 = 142 sitting
1 + 1 = 2 standing
144 active nests

No egg nests seen at all

243 + 85 = 328 swans

in total on Swan Lake

Those not on nests are mostly feeding,
if not in flooded roughs, then in open lake

(61)

joined them
at 1417 hrs!

1403 hrs

27/8/93 contd

at 1414 hrs the
♀ is preening + chucking
nesting

1 ♂ + 5-6 chicks
chicklings preening on old
nest mound in flooded sedge
near water's edge.

Ogok gorge (Siberia)

= 0.51 m at 1413 hrs.

1416 hrs

rests with egg visible
1 with 2 + no adult
1 " 1 + " "
1 " 2 (?) " " "

all along fence line in front of house.

(62)

27/8/93
contd.

In western half of Swan Lake

13 along fence line in front of house

8 in sedge bed over at

NW corner of lake

21 nests with ^{much} new material

& fairly high, but no
attendant bird; it deserted.

⇒ total of "abandoned" nests
on Swan Lake = $10 + 21 = 31$

1426 hrs.

0. few cluts on the lake,
mostly (10-30) Skeldons.

1 Noddy been seen diving into
"pure" flooded sedge bed.

(63)

27/8/93
Control

	15/8	0.810	0.62
	18/8	4.30 pm	0.58
	21/8	9 am	0.53
	23/8	8 am	0.57
	24/8	7.30 am	0.50
	26/8	4.30 pm	0.51
me	27/8	2.39 pm	0.51 (2nd reading today)

~~the~~

Ludlow Level at 1453 m

2 active over nest visible
on S side of Wonneys Estuary
(1 with swan sitting, the other without)
1 active over nest (no swan) near
north shore of Wonneys Estuary

3

(64)

27/8/93

cont'd.

3.04 pm

Lagoon flap valves

- all three practically open
and a v. small flow of
water going out of lagoon
- Middle flap has valve positioned
so that it cannot open
any further
- Tide level practically under
dike level.

Afternoon see with Robyn Forrest (son Thomas)
wife of John Forrest (son of Keith F.)

(65)

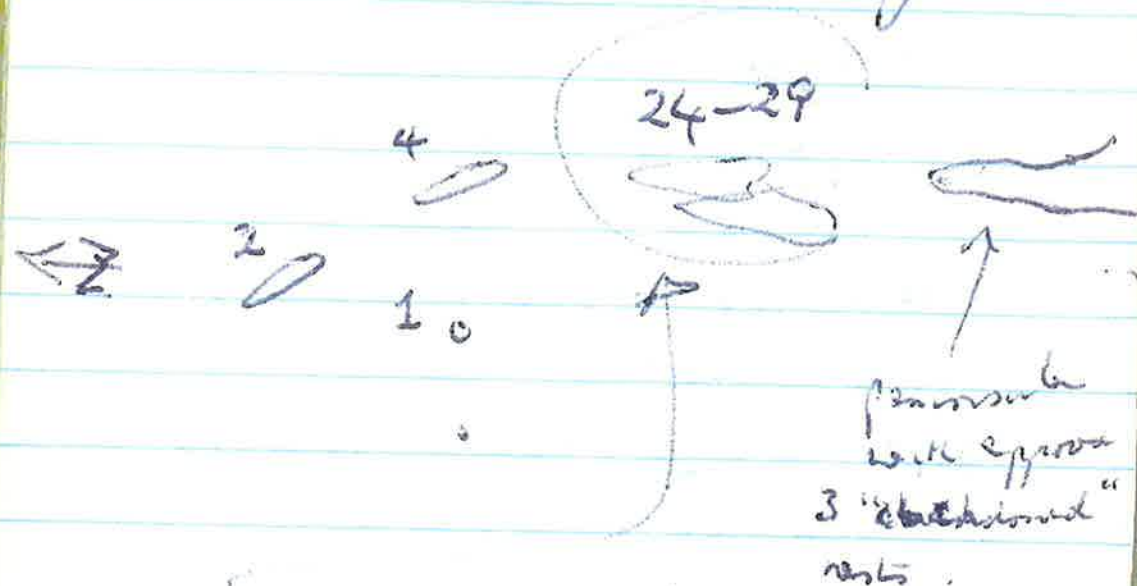
27/8/93 Conton

Worming I colony 5pm

1 ♀ + 1 ♂

1 ♂ with 12+10 Class I Disrupts

feeding & resting on bare shore line
on N side of the Estuary.



Original "Worming I" colony

Not refer to no. of sitting swans on
mounds (none are standing.)

5.20 pm

Nests abandoned last time (6) near
observation point are still deserted

(65)

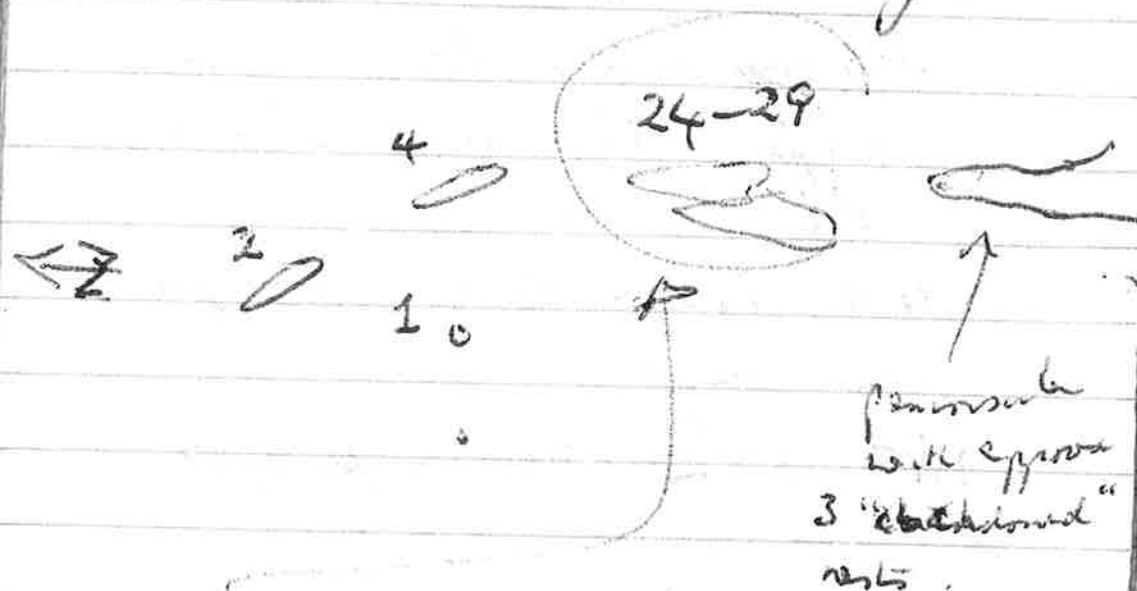
27/8/93 Conton

Worming B colony 5pm

1♀ + 1♂

1♂ + 1♀ with 12♂♂ Class I Doves

feeding & resting on bare shore line
on N side of Estuary.



Original "Worming B" colony

No's refer to no. of sitting swans on
mounds (none are standing.)

5.20 pm

Nests abandoned last time (6) near
observation point are still deserted

(66)

27/8/93

contd

5.21 pm

2 pbs standing on nest
mounds in "Wormery 3" colony

5.30 pm

bird in "outlet" of
Wormery 3 colony

1 swan sitting on nest on
island

1 juv skel with 6 class II ducklings

5.37

1 Swan climbing onto nest
(1 egg showing) closer to Wormery
Hedge

5.41 - didn't climb on - moved
away.

2 PeBD walked onto mound
+ off again. Swan came
back + "shoo'd" them away.

(67)

27/8/93

control

5.46 Swam feeding in
general vicinity of nest

Det 28/8/93

8am

West side of Force Rd

1 pr Swam with 6 large, all downy
eggs

Across Wilmoth's property

8.20am 1 pr Shel with 6 (less 1 duckling)

8.33 Swam mound c 30 cm high in
low (10 cm) sedge, 72 p₁ from edge
of estuary with water ≤ 10 cm deep

(68)

28/8/93

Contd

Between it and high ground.
Immediately surrounded by deep mud +
water 1-2 cm deep

No sign of eggs ever having been
in it. Measured now that year

Very thin patches of sedge
available and situated on

two high ground - very low

water : 10-20 screens in
general vicinity : No down.

9.43 am - Parakeet in Oystery Cove
and walked north to sedge area

- 1 mound in sedge on slightly
higher ground - appears to have been
to land hard dry - see oyster shells
- then screens made nest on top
- no sign of eggs - no other birds

(69)

28/8/93 contd.

Some time ago.

Then on an "island" (just)
of sedge, some material
had been pulled together but
not built into mound.

9.50 am 3rd nest also near outer
limit of sedge in area of c. 2 cm
of water - would be accessible
to forager.

Water level drops off rapidly
at edge of this broad flat
sedge area (of the 3 nests
above). Probably edge well next natural
(sedge covers 30 cm high)

(70)

1004 hrs

28/8/93
Cont'd

3 areas of sand where
previous attempts have been made
to create mounds.
2nd one (largest) is 20 m
across. Couch (?) grows
on these 3 elevated areas.

Flat limestone reef comes to
the surface at various places
under this broad flat
oeythine area

1020 hrs

Met woman who owns property
to west of Pigeon Cove. They
bought the property 10 years ago
& subdivided part of it. They
named Osprey Drive after Ospreys
that were often in the area.

(71)

28/8/93 contd.

She belongs to Buntingford
Club. Knows here birds.

She says approx 6 pairs
of swans nest in ~~the~~ ^{the} ~~front~~
front of their property each
year but this year the
water level has been
much lower than in other
years.

Gygets may also be walked
in from lakes to south
of their property
Her husband dug the sand
down to the gygets to provide
mounds for the swans.

1040 hrs

28/8/93 contd

72

2 Tiger Snakes in water united together
+ being quivering

1055 hrs walked down public access
lane to S side of Vase Estuary
to W of Deben River

1 ~~open~~ Shelduck with 4 Class I (?)
(or II) ducklings partly with
out into estuary.

1105 hrs 15 swans in pond flooded
rough "island" just west
of Deben R. delta. One
medium sized flat topped
mound being used by swans
(2 alternately) as preening platform.

1110 hrs - Water rat droppings on
60 cm pyramidal shape from Mel. Sturnalis
lying sitting on rushes (Juncus??) in 2 cm water
Kestrel feather, shot, worn branch overhead

(73)

This one page
out of order

Fri 27/8/93

Ladders flap valves } 3.15 pm

S.S. side 59 cm, 58 cm, 56 cm N. side



depths from current water
surface (S.S. side) to culvert to
flow level on upstream (S.S. side)
side of ~~culvert~~ the three culverts.

Current water level of
S.S. side is 0.51 m

→ these culverts are at

- 0.08 m, - 0.07 m and - 0.05 m

!!

(74)

28/8/93 Contd

1150 hr - 1 Swan sitting on nest
in ledge among Mel eucalyptus on
south side of Leguen Rd between
Don Tsak and Port George site.
Took 400 ASA photos

1200 hr Top (N) end of estuary
com on E side of track on
way in to Port George site.
- 6 White Ibis, 1 Purple Swamphen,
2 PeBD, 1 Swamp Warbler working
the rushes.

Middle of this com - c6 PeBD,
3 LiBC on fence posts over water,
1 ♀ Shal with 13 large cross I ducklings
in and around scrub at edge of "com"
in same place as 2 weeks ago ("peninsula")

(75)

28/8/93 contd

1214 hrs ♀ and drablings joined
by 1 ♂ skel.
also 1 WFT feeding at edge of "area"

1220 hrs - circular lake on way in.
counted 24 (c 30) PABD,
2 LPC feeding + 3 WFT feeding

1231 hrs still 1 swan standing preening
on mound to W of Sabine delta, with
c 20-30 swans in rear vicinity
Definitely not an active nest -

1 nest mound at S end of
"area" of estuary on W side of lagoon into
Vase colonies. Took 2 photos.

No longer active, no swans nearby
Would have been accessible to foxes if

(76)

28/8/23 contd

lower water level. Plenty of nesting
material available. Ground
is approx 60-70 m from edge of
estuary. No sign of eggs being
been laid / hatched.

Maggies 2 pasture.

1 eye Willet & Li Grosbeak seen in
sagebrush bushes. also Ravens.

1250 hrs Verse A colony despite jays
nesting is 0.18 m. No swans
on nests in this part of colony.

1 pm Lake opposite Verse A colony

54 Y655, 7 Least Egrets, 2 Little Egrets
44 White Ibis, 5 White, 11 Red, 7 Swans

77

(this year)

28/8/83 London

The 2 ^{swans} rest mounds on the
N side of lake are still
inactive. The 1 on the S side has
all the ^{grass growing out} grass, horns etc in pond
lake are ^{scarcely} feeding in
flooded ^{anywhere} at E end of
lake.

1.10 pm only 10 swans sitting on active
nests (0 standing) in Vase A
colony - all on Western part of
colony.

1.17 pm Vase B colony has 4 swans
sitting on active nests in old
part. (medium mounds)
Then certainly 2 and
possibly 7 (low ⁵ mounds) in lower
area extending out into lake -
call it 5 - see four pages on

Vase B
Total = 9

(78)

28/8/93 Contd.

also appears to be 1 seen
sitting on robot in behind Vase
B colony on far shore (S
shore of Vase Estuary)

Back to vehicle at 1.35 pm.

3 Quail flushed from grass on
way out.

1.47 pm Vase Hydrogate
depth = +0.09 m AHD &
water flowing in to estuary.

2.10 pm Swan observed on long
narrow reedbed island S of Wonsay
Shoals still with no sign of
attendance though 20-30 swans in
the area

(79)

28/8/83

2.15 pm

Depth at Womney Floe poles
= + 0.15 m AHD

water level higher on ocean side

Drove into Forrest property on
S side of Womney Estuary

Nests in island of unmulched
coarse & made from sticks

2 nests - close proximity

- 1 empty, no eggshells or
signs of eggs having been laid

- 1 with 5 eggs sitting -
disturbed it - 5 warm
eggs - see later

owner left nest at 4.08 pm

owner c 40m away. I left
nest at 4.11 pm. 2 owners had

(80)

28/8/93 Contd

returned to it within approx 5 mins.
but by 4.33 pm still hadn't re
settled on top. At this

time one had moved 10 m

away & was resting, the
other still alongside mound

At 4.39 climbed onto edge of
nest to pour water off. Didn't
stop preening underneath till 4.48 pm
when it sat $\Rightarrow$ 40 mins uncovered

(active)
1 nest further west along
South shore of lagoon head
1 swan sitting on it. $\left. \begin{array}{l} \text{mound} \\ \text{is island} \\ \text{no swans} \\ \text{visited} \\ \text{around it} \end{array} \right\}$

towards (new tunnel house)
1 nest ~~near~~ opposite shore head
no swan on it

(81)

28/8/83 Contd.

5.05 pm Wrens A colony
has no wrens sitting on nests
only 1 pr Skuas sitting
on the highest of the mounds
constructed this year.

5.39 In to property just
west of Charlie's

1 wren sitting on nest just
other side of fence - near
shore

5 wrens sitting on the nests
on the island I thought
there were 2-7 on this
morning when surveying
Vase A & D colonies -

(82)

28/8/93 cont.

5.47 pm

12 chimney swifts

1 adult + 2 chicks

sitting a nest in middle
of dense bracken "bush"
Had a hammer & fishing line
marker on bow but couldn't
quite reach it

6.10 pm

checked once
near Angel River clubhouse
at end of last trip.

Only 9 were still sitting
on nests all on outer (W) edge
of main nesting area on
west side of "roadway". All
nests on E side of roadway
deserted.

(83)

28/8/93 Contd.

There were scores of cattle
wallowing then / feeding in
the wet area to the
west. None on area
to east. Suggest
problem was drops of
water level rather than
the cattle.

Drums set while cattle
passed with 2/0m.

Finished 6.15 pm

Start of new
Survey period.

(84)

FRI 17 SEP 93

9.05 hrs - 1 Swan sitting
(incubating) on active nest in
lake on Laguna Rd just
east of Bassett's Townsite (same
nest moved as last trip).

9.36 Count of Swans on Active Nests at
East end of Swan Lake

Count	52	sitting
	11	standing
	63	sitting/standing on active nests

- 1 pr with 3+ v. small eggs on E side
feeding in sedge
fence
- 1 pr with a huddle of 5 v. small eggs
resting in flooded sedge (on v. low mound?)
- 1 with 5 v. small eggs
swimming
through flooded sedge

↑ yes
[not in
mound
count]

(85) Swan Lake Contd

17/8/93
Contd

- 1 ^{sitting} Swan on nest mound and at least one v. small egg at hatched nest to it
- 1 pr on mound (1 standing + preening, the other sitting - with 2+ eggs hatched with them.
- 1 sitting on nests with 3+ eggs hatched on + another swan standing at base of nest
- 1 sitting on nest with 1+ eggs hatched in in vicinity of nest mound (peg) 16.
- 1 " " " " " " " " in vicinity of nest mound (peg) 17
- 1 pr with 3+ eggs preening/feeding on N edge of lake

(86)

Swan Lake Corral

17/9/93

1026 La

- 1 silly on nest with 3+ eggs
huddled in + 1 adult at base

+ 107
1 ♀ silly with 2+ class I ducklings
nearly on over nest mound (of this year)

- for side - 1 swan ^{on mound} silly with 2+ eggs
huddled in

- 1 pr feeding = flooded sedge with
4+ eggs

- ditto

- 1 swan ^{silly} on mound with 3+ eggs
huddled in

(87)

Swan Lake Contd

17/9/93

1043 hrs

— 1 pr feeding in flooded sedge with
5 downy eggs

Revers very active in cell — feeding
on something I couldn't see on
per side (in sedge)

Whistly birds also flying about
2 revers feeding in remains of
adult sedge canes on top of one
nest mound towards edge of
(W) edge of colony.

1102 am — Western half of Colony

Count

12 swans sitting in ^{active} nest mounds
(actually 13 — 1 mound had 2 sitting)

0

" standing on active nest mound

12

(88) Swan Lake Contd

17/9/83 contd

1109 hrs

8 with broods

0 with broods

⇒ Total Swan Lake sitting $52 + 12 = 64$

standing $11 + 0 = 11$

$64 + 11 = 75$

Count of cygnets + broods in Western Helt

7+ scattered Class I Shelducks ducklings
feeding in open water of lake. ~~the~~
1 ♀ standing on this year's Swan mound
(I doubtly marked it) + 1 ♂ nearby.

1 ^{swans} pr with 5 cygnets feeding in flooded
sedge area near base of mound.

Depth gauge reading 0.53 m at 1120 hrs

another brood of 3+ Sheld Class I ducklings

1139 hrs -

1 adult with 6 cygnets feeding - and 1 pr with 3+
flooded sedge; and 1 pr with 5 cygnets 1158 hrs

(88) Swan Lake Contd

17/9/83 contd

1109 hrs

8 with broods

0 with broods

⇒ Total Swan Lake sitting $52 + 12 = 64$ ✓

shady $11 + 0 = 11$ ✓

$63 + 12 = 75$ ✓

Count of cygnets + broods in Western Wetland

7+ scattered Class I Shelducks ducklings
feeding in open water of lake. ~~typ~~

1 ♀ standing on this year's Swan mound
(I doubtly visited it) + 1 ♂ nearby.

swans
- 1 pr with 5 cygnets feeding in flooded
sphagnum around head of mound.

Depth gauge reading 0.53 m at 1120 hrs

- another brood of 3+ Sheld Class I ducklings

1139 hrs -

6
- 1 adult with ~~4~~ 6 cygnets feeding - and 1 pr with 3+
flooded sphagnum; and 1 pr with 5 cygnets 1158 hrs

(89)

Swan Lake depths transcribed from

17/9/83

26/8 - 0.51 m Wallace's
lake sheet

29/8 - 0.50

30/8 - 0.51

2/9 - 0.52

5/9 - 0.56

7/9 - 0.58 - " (2 females) "
- 1st eggrets seen

10/9 - 0.59

11/9 - 0.57

13/9 - 0.56 - " eggrets everywhere "

16/9 - 0.54

- 1 ^{Swans} pr with ~~4~~ 9 eggrets feeding at
edge of ^{lake} water / pasture at 1142 hrs.
- feeding at flooded edge at 1156 hrs.

1152
hrs

309 total ~~no~~ adult swans
on Swan Lake

Swan Lake Contd

17/9/93 contd.

(90)

SUMMARY OF BROODS / CYGNETS

①

Eastern part of Swan Lake

~~Broods were 3+, 5, 5, 1+, 2+, 3+, 1+, 1+, 3+, 3+, 2+, 4+, 4+, 3+, 5.~~

Broods were: 3+, 5, 5, 1+, 2+, 3+, 1+, 1+, 3+, 3+, 2+, 4+, 4+, 3+, 5.

= total of 15 broods seen (and at least 45 cygnets)

②

Western part of Swan Lake

Broods were: 5, 6, 5, 3+, 9

= total of 5 broods seen (and at least 28 cygnets)

③

Totals for whole of Swan Lake

Brood sizes / No. = (1+) 3; (2+) 2; (3+) 6;
(4+) 2; (5+) 0 and (5) 5; (6) 1;
(9) 1

= 20 broods seen + at least 73 cygnets.

91 Swan Lake Contd

SUMMARY OF BROODS / CYGNETS CONTD. 17/9/93 contd

Total No of swans sitting/standing
on active nests without visible/evident
cygnets $(\overset{56}{\cancel{56}}) (11)$
 $= 67$

Total No of swans sitting/standing
on active nests with visible
evident cygnets (broods) $(8) (10)$
 $= 8$

Total number of cygnet broods not
on nest islands

$= 12$ $(20-8)$

Total $= 87$ swans sitting/standing
on active nests and broods on the water.

92

Wormery Estuary

2 pm

Worm B Colony

17/8/83
control

Blood Count

(3) 1; (4) 4;
(5) 5; (6) 3;
(7) 2

= 15 broods
& 76 eggs

5
4
7
3
5
6
5
5
4
5
7
4
6
6
4

4
4
3

(3) 1; (4) 2
= 3 broods
& 11 eggs

actual size of
broods to N side of fence

most (all?) of these broods
had been in the flooded sedge
in the SW corner of the
estuary & moved out
east over open water
when I dismantled
fence

actual size of
each brood on
south side of control E-W
fence line

Total = 18 broods
+ 1

+ 1
and 87 eggs

See next
page

93

Womb colony

Counts of
birds on mounts
on islands

4
4
Sitting

2 sitting
+ 1 standing

seg 4 + 1 sitting
plus 1 standing

40/45
43/37
+ 1

0 swans sitting or standing

First counting 2:40 pm.

⇒ Total number of swans sitting/
standing on active nest at Womb

$$= 4 + 2 + 4 + 1 = 47 \text{ sitting}$$

$$\text{and } = 1 + 1 = \underline{2} \text{ standing}$$
$$\underline{49} \text{ sitting/standing}$$

W3: only one of these (of the 40) had
eggs visible with it. This is not in
count on previous page

(94)

Met Keith Forrest & his other
son (name?). ~~Steve~~
Promised to send Keith a
graph of the Swan Lake depths.

Stone across his property to south
side of Honey's Inlet.

— one of the 2 nest mounds here
last time has disappeared
(water level now slightly higher)
and the other one had a
sewer near it but not on it
↑ (ie in general vicinity)

Mound on opposite side of
Island (towards tunnel house)
had sewer next to it recently
adding material — then 4.10 pm
sitting on it.

I was surprised to find

(95)

one brood of eggs to west end
four broods to the east when
I swept with my binoculars.
Where do they come from? Mounds
I moved? down the Lullaw River?
from nearby wet areas?

mounds
on adjacent

1 Wb Sea Eagle seen flying low
over estuary.

4.43 pm Womerp A Colony

1 swan sitting on a tree
nest mound. Another swan
nearby patting material from beneath
the water surface & moving it.
No other swans in the general area.

to mounds nest.

4.44 pm
1 pro Shear
to large
nest nearby

4.52 pm 4 broods of eggs seen along
opposite shore - probably more

(96)



097 553 614 018 555 200

Start 18/9/93

0905 hr.

1 swan sitting low on a tree nest
mound in small lake on S
side of Degner Rd just east of
Bsn townsite. No sign
of eggs.

9.39

1 pr with 5 eggs

9.46 hr

1 swan head showing over water
on island at western limit of
Vespa A colony

2 swans sitting on a tree nest
mounds to north of Vespa area
is isolated mounds in the colony.

18/9/93 Contd

(97)

the other one also left its
nest as we approached

9.51

one of these got off nest and
it was adding nest material — then
just back on — then we disturbed it

10.00

dist c 0.53 and it
left the
nest.

13 Swans sitting on coke mounds of
main V_{est} A area.

4 swans - - - -

on far side (V_{est} B) colony.

1615

several eggs visible on 2 low mounds
(unattended) in V_{est} A.

1038 back at school.

During ↑ survey noticed that the
low mounds — which had

98

looked so dry, brown & sickly
as all previous surveys - is
showing a lot of buds
of new green growth - quite
a transformation.

W F Chats seen & little

from birds heard in syring.

8 Wood thrushes flushed
from edge of lake on N shore
flushed
of Vasey's, opposite seen
colony. / Quail flushed
from pasture / negative mist.

Totals Vasey A

- 16 swans sitting on other
mounds
- no egg-eaters.



99

18/8/83
control

Total Vessels

- 4 swans sitting on other nests
no eggs seen

Note that visiting conditions
were very bad - v. strong
cold winds from west and
frequent showers. Not
surprising saw no eggs.
(quite from those at beginning
of walk).

Next to walk in to Vess A
from N + E side of river
later in future.

END OF BOOK