

Jim Lane's Field Notebooks Index Contd.

(Revised Index of 11/5/2014)

<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1992 on)_15	15	(29-04-95 / 17-05-95)
JL_(1992 on)_16	16	(18-05-95 / 18-12-95)
JL_(1992 on)_16A	16A	(08-11-95 / 11-11-95)
JL_(1992 on)_17	17	(21-12-95 / 19-06-96)
JL_(1992 on)_18	18	(19-06-96 / 03-08-96)
JL_(1992 on)_19	19	(23-09-96 / Mar 97)
JL_(1992 on)_20	20	(Mar 97 / Apr 97)
JL_(1992 on)_21	21	(16-04-97 / 12-06-97)
JL_(1992 on)_22	22	(12-06-97 / Oct 97)
JL_(1992 on)_23	23	(Oct 97 / Dec 97)
JL_(1992 on)_24	24	(Dec 97 / Jan 98)
JL_(1992 on)_25	25	(10-01-98 / 22-01-98)
JL_(1992 on)_26	26	(22-01-98 / 13-02-98)

TO BE CONTINUED

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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)
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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)

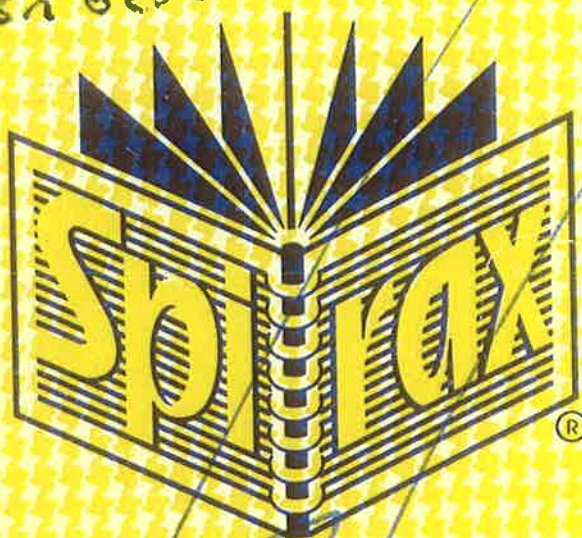
Jim Lane's Field Notebooks Index Contd.

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JL_(1970-84)_17A	1980-81	(01-12-80 / 15-11-81)
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JL_(1970-84)_19	1984	(15-03-84 / 16-03-84)
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JL_(1992 on)_8	8	(21-05-94 / 08-07-94)
JL_(1992 on)_9	9	⁰⁸ (03-07-94 / 02-09-94)
JL_(1992 on)_10	10	(02-09-94 / 17-11-94)
JL_(1992 on)_11	11	(22-11-94 / 9-03-95)
JL_(1992 on)_12	12	Jan 95 + (15-03-95 / 01-04-95)
JL_(1992 on)_13	13	(02-04-95 / 07-04-95)
JL_(1992 on)_14	14	(07-04-95 / 29-04-95)

J. Lane
CALM
Bsn 6280

Nº21



NOTE BOOK

No. 561

16 Apr 97 → 12 Jun 97

①

16/4/97

Trench 4 Hole 1

is 20.1 m from (at right
angles to fence (new skin
pickets bank, plain, bank,
plain) next to stream

T4 hole 2

is 10.0 m from hole 1

T4 hole 3

is 24.9 m from hole 2

T4 hole 4

is 5.8 m from hole 3

(2)

16/4/97 cont.

T4 hole 5

is 28.5 m from hole 4

T4 hole 6

3:97

dead leaves + tango

to green leaves

HEALTHY

is 5.6 m

from hole 5

C

DBH (1.3 m above ground)

2nd

of nearest tree is

1.79 m (main trunk)

0.90 (just

height = 7.8 m

start where stem bifurcates)

0.44 m, 0.61 m.

M. rhytidophylla

one tree

(nearest)

HEALTHY

Second tree

C

DBH is

0.90 m.

(just below where forks)

2:98

dead leaves

+ tango to

green leaves.

height = 3.8 m

M. rhytidophylla

Shrub tree old fire marks (black) inside

M. rhytidophylla

Trunk partly hollowed

C

DBH =

2.77 m

8:92

height = 9.5 m

SLIGHTLY STRESSED

dead tango + leaves

to green leaves

May be age.

(3)

whole tree → 3:97 dead twigs + leaves to green leaves

Circumferences around T4 hole 5 are: 0.57m, **HEALTHY** This tree

first tree has three other ^{major} stems from height = 5.0m ground; all branching ^{further} below breast height. M. rhyphylla

second tree **HEALTHY** 2:98 dead twigs + leaves to green leaves. CBH = 0.90m height = 6.3m M. rhyphylla

third tree **HEALTHY** 2:98 dead twigs + leaves to green leaves. CBH = 0.51 height = 5.8m (fallest of three stems at breast height)

(20:80 dead twigs: green leaves)

CBH of tree nearest T4 hole 4 height = 9.5m is 1.77m. M. rhyphylla

SLIGHTLY STRESSED

height c. 9.5m **HEALTHY** Second tree is 2.33m a M. rhyphylla

Third tree is 1.05m (M. rhyphylla)

(fallest of 6 significant stems at breast height) **SLIGHTLY STRESSED** (40:60)

height is c. 9.0m

(10:90 dead twigs: green leaves)

(4)

16/4/97 contd.

T4 hole 3

(has 50:50 green leaves + dead twigs)

Height = 9.0m

CBH of nearest tree is 1.09m

(several stems below BH)

STRESSED

M. rhytid-

2nd tree

CBH = 1.75m

M. rhytid-

(also has a second, v. minor stem at BH)

height = 9.0m

STRESSED (has 50:50 green leaves + dead twigs)

3rd tree

CBH = 1.38m

M. rhytid-

height = 8.0m

(also has one other minor stem at BH)

STRESSED

(also has dead leaves + dead twigs)

T4 hole 2

(completely DEAD)

of nearest tree

M. rhytid-

CBH is 0.29m

Height = 5.9m

LONG DEAD. Has lost numerous

branches, has no leaves.

(5)

Height = 7.7m

CBH of 2nd tree (M. rhyphoides)

is 0.51 m (also has second

branch at BH)

COMPLETELY

DEAD (RECENTLY)

(has few

broken branches + many fine twigs - no leaves)

CBH of 3rd tree (M. rhyphoides)

is 0.44 m (also has

Height = 6.6m

second minor branch at BH)

COMPLETELY DEAD

(LONG)

Has numerous broken branches but some dead twigs

Transect 4 hole 1

CBH of ^{1st} tree (M. rhyphoides)

is 0.39 m (has 3 other branches

Height = 5.9m

(stems) at BH - (RECENTLY)

COMPLETELY DEAD - still

has fine twigs but no leaves

LONG DEAD

- has numerous broken branches but some fine twigs

no leaves

6

16/4/97 contd.

numerous
branches have broken
off. Few fine twigs

no leaves

CBH of 2nd tree ^(M. rhyph.)
is 0.34 m Height = 3.6 m
(less 2nd branch ^(stem) at BH)
COMPLETELY DEAD (LONG)

branches mostly
broken off
no fine twigs or leaves

CBH of 3rd tree ^(M. rhyph.)
is 0.27 m Height = 3.5 m
COMPLETELY DEAD (LONG)

numerous
Some smaller
branches have broken
off
has fine twigs
but no leaves

CBH of 4th closest tree ^(M. rhyph.)
is 0.80 m (no other stems
at BH) COMPLETELY DEAD
Height = 7.3 m (RECENTLY)

(7)

Wed 16/4/97

Venee to buoy floatgate gauge
reads -0.01 m at 1424 hrs.

V. light breeze. Fine.

Flap valves closed. Slight trickle
in. Water brown both sides

No dead or struggling fish.

Canoe with 2 people -

200 m upstream of floatgate +
heading towards them (School
Holidays)

light brown / fawn.

Boards still out of 2 bays.

(8)

16/4/97

Contd

Bearing from T4 hole 1
to ~~big~~ nearest big E. radio
is 64.5° (bearing from
this tree to T4 hole 1

is 24.5° (51.5 m from
tree to T1 R1)

Bearing from T4 hole 1 to 2nd big E. radio
is 43.5°

Bearing ~~T4 hole 1 to hole 2~~
is 117°

Bearing T4 hole 2 to T4 hole 3
is 118°

Bearing T4 hole 3 to T4 hole 4
is 107°

Bearing T4 hole 4 to T4 hole 5
is 139°

Between T4 hole 5 to T4 hole 6
is 153° .

T4 hole 6 understory.

is bare ground with leaf litter
+ logs covering it, and some
small herbs (2-3 leaves only)
(5-30 cm high) "sprouting" -
scattered.

due to shading by M. rhyph...
trees.

No Melaleuca seedlings (or v. young
trees) evident.

T4 hole 5 understory same
as T4 h. 6 (part of same
stand of M. rhyph...) ~~ditto~~

16/4/97 contd

T4 hole 4 understory
is continuous cover of

green sedge (soft) with

green weeds scattered thru.

No ^{Mel.} seedlings or v. young trees
evident.

T4 hole 3

ditto.

T4 hole 2

In some
of dead Mel though some
trees have ~~green~~ resprouting
along branches.

Understory is *J. kraussii* plus
a "couch" grass, succulent
(salt tolerant?) plants and
some (5%) bare ground.

Some ground (5%) covered by
 dead ~~leaves~~ ^{dead} twigs, ^{dead} bushes, &
 dead branches of Mel. No Mel.
 seedlings or v. young trees

T4 hole 1 understory is
Juncus kraussii with "couch"
 grass growing in J.K. clumps
 Some (salt tolerant?) succulent
 plants, 5% bare ground,
 5% dead twigs, bushes etc
 No Mel. seedlings or v. young
 trees.

(14)

16/4/97 cont'd

TS h 1 to TS h 2

bearing is 203.5°

Distance is 11.9 m

TS h 2 to TS h 3

bearing is 190°

Distance is 14.1 m

TS h 3 to TS h 4

bearing is 189.5°

Distance is ~~13.5 m~~ 13.5 m

TS h 4 to TS h 5

bearing is 166.5°

Distance is 38.0 m.

From lig E. radio to TS h 5

is 108° and 27.5 m.

(15)

This big *E. rudis* has major
forks at approx 1.7 m
from ground and has two
large fallen branches on
ground on E side of it.
(can drive around it)

Bearing from TS h1 to same big
is 202° *E. rudis*

TS h1 is 8.5 m from
bank of Abbe River (shortest
distance)

(16)

16/4/87 contd

T5 hole 1

CBH of nearest tree (*E. vucalis*)

is 1.08 m. Major branching

of trunk occurs below B.H.

This tree completely DEAD.

~~FAIRLY~~ (LONG) - as no

dead leaves, few dead

twigs, many broken small

branches. Height = 11 metres
(estimated)

FAIRLY

CBH of next nearest tree (*E. vucalis*)

is 0.91 m. Major fork

in trunk below B.H.

This tree ~~is~~ completely DEAD.

RECENTLY - as many small

dead twigs on it and many

(17)

dead fruit on these leaves
+ even a few remnants of
dead leaves. Height = 8.3 m

~~No other dead trees within~~
^{Next} Nearest dead tree 9 m
away.

Understory at T5 hole is
heavily "coch" grass (seedling)
and nothing else.
No seedlings or W. small live
trees evident.

A few small clumps of
J. barami scattered in
"coch".

(18)

16/4/97 Contd.

T5 hole 2.

Nearest tree (Erubia) CBht
is 0.96 m. This

is one of many stems (trunks)

arising from base of this tree.

Tree is completely DEAD.

(EXTREMELY LONG) & as

few ~~very~~ ^{dead} dead large but many
small ^{dead} branches.

R

Height ~~11.0m~~
11.0m
Height = 10.5m

Understory is "Couch grass"

(seedling) with bare ground
in nearby low area. Brown

litter (small) growing out
of couch at base of tree

One or two scattered

small clumps of J. Kossou

(19)

~~Height 2.5m~~
Two small long dead
E. rindis nearby
from common base.

LONG
DEAD

(completely)

No other E. rindis for 9m.

No seedlings on v. small
E. rindis trees.

vertical
height now
2.5m

T5 h1 + T5 h2 are
both in open space of large
dead E. rindis.

CBH is 0.40 m of ^{old trunk} ~~tree~~ ^{heavy lean} ~~tree~~. Height used to be
5.3m

actually one tree
both trunks (old + young)
LONG COMPLETELY dead

CBH = 0.15 m of young trunk (height = 2.4m)

(20)

16/4/97 contd.

T5 hole 3

Nearest tree (Erubia) CBl
is 1.31 m height = 11 m
~~one branch~~

~~some~~ Branching (i) occurs
below Blt.

This tree is **STRESSED** (30:70)
dead branches, large ^{leaves} to
branches with live foliage
Some small dead branches
are broken, others have
dead twigs, fruit + a
few remnant of dead leaves.

Understory is 50% "conch"
50% bare ground.

2 ~~clump~~ clump of sedge (2 types)
in conch. Some small

Acacia liliifolia growing.

(21)

2nd nearest tree (*E. rudis*)

has CBH of 0.82 m

~~first tree same diameter below~~

(branching (1) occurs below)

height = c10m

This tree is STRESSED -

similar to first tree but

without dead part.

3rd nearest tree (*E. rudis*) has

CBH of 1.15 m from largest of

3 stems (trunks) rising from
base (at ground level)

This tree is ~~lightly~~ SLIGHTLY

STRESSED similar to

first two trees. height = c16m

It is at edge of clump

(22)

16/4/97 contd

in ground elevation. Understory
on down side is bare ground
with leaf cover + a few
scattered from Little's
(2nd tree understory is
same). On high
ground side there is 100%
cover of fine green sedge.
(Mainly one species but also
a few stems of 2nd, more
robust species)

No seedlings or young trees.
near TS 4.3
There is one 1.5 m high
young "tree" (E. radiata) 10 m
from TS 4.3 peg, up on
higher ground —

TS hole 4

- CBH of nearest tree (*E. radiata*) is 1.33m. One branch

just below.
is ^{SLEIGHTLY} STRESSED.

This tree
height = c15m

- 2.82m. is CBH of second nearest tree (*E. radiata*)

Also SLEIGHTLY STRESSED. No branches below B.H.

height = c17m

- 1.59 is CBH of

third nearest tree — also

SLEIGHTLY STRESSED. One

branch below B.H.

height = c17m

- Understory of all three trees is 100% cover of fine green

(24)

16/4/97 Contd.

sedge. Some Tuncus
karwinsii nearby.

(E. rudis)
No seedlings or v. young
Tuncus nearby.

(25)

T5 hole 5

- CBH of nearest tree (E. radiata) is 1.55 m. Two major forks below BH. This tree is ~~HEALTHY~~ **HEALTHY** (for a radiata!). height is c. 17m

- CBH of second nearest tree (E. radiata) is 2.44 m. One major fork ~~at~~ below BH. This tree is **SLIGHTLY STRESSED** (for a radiata!) (20% dead twigs + branches). c. 16m height

~~at 2.40m~~

- CBH of third nearest tree (E. radiata) is 1.40 m. This tree is **STRESSED** (50%)

(26)

16/4/97 contd

dead twigs & branches.

Height is c 16.5m

Understory for all
these trees is deep
litter with 40% fine
sedge emerging and
a few v. small scattered
brown lilies.

This peg T5 L5 is in
a grove of reasonably
healthy *E. rudis* (tall)

(*E. rudis*)

No seedlings or v. small
trees in this area.

Finish 5.14 pm on 16/4/97.

17/4/97 (27)

Varse estuary floodgate
gauge reads Φ 0.00 m
Attd at 0836 hrs on

Thurs 17 April 97.

Wind light - calm! ^{midday (s)} Fine

Fly valves closed. Water
brown (spilt blood?).

No dead or struggling fish.

(28)

18/4/97

Vasse River next to Ben Shive

Offices car park 1.30 - 3.00 pm

Black Ducks:

Muskrat Duck: ♂ + ♀

Dusky Moorhen.

Little Black Cormorant

Darter adult ♀ - distinctive
white neck stripe.

1 pair of adult ♂ + ♀

Darter - ♂ sitting on
platform (nest?) of shells.

Two more males on nests (Darters)

(29)

21/4/97

Bearing from Transect 6 hole 1 to
T6h2 is $173^{\circ}5'$

From T6h2 to T6h3 is 139°

" T6h3 to T6h4 is 167°

" T6h4 to T6h5 is 159°

T6h5 to T6h6 is 162°

T6h6 to T6h7 is 198°

T6h1 to h2 is 4.3m

T6h2 to h3 is 5.0m

T6h3 to h4 is 8.7m

T6h4 to h5 is 9.9m

T6h5 to h6 is 4.8m

T6h6 to h7 is 7.9m

(30)

21/4/97 contd

T6 h 1

Nearest bush has stem circumference
0.2 m above ground level of 0.19 m
[height of bush is 2.2 m]

[HEALTHY]

All three are M. leucobota?

2nd - - - - - same

0.2 m - - - - - of 0.28 m

(there is one branch below this height)

[height of bush is 2.2 m]

HEALTHY - but most (except for
top of bush) of large on eastern side are
dead

3rd nearest - - - - - same

0.2 m - - - - - of 0.26 m

[height of bush is 2.1 m]

HEALTHY - with same
comment as 2nd nearest bush
(above)

21/4/87 contd

(31)

T6 h2

Nearest bush

height is 2.5 m of 0.20 m

Will there are M. hemmings?

2nd nearest bush

~~2nd~~

height is 2.2 m of 0.16 m

3rd nearest bush

height is 2.8 m of 0.17 m

(32)

21/4/97 Contd

T6 L3

Nearest tree has a M. hamulosa?

→ CBH → of 0.35 m
height of c5.5m

and has approx 16 symptomatic
stems at this height.

HEALTHY — though all except top
stems/buds on eastern side are dead

Second nearest tree has

a CBH of 0.38m and has
approx 13 symptomatic stems at
this height

height is c6.0m

HEALTHY — but some
comment as above

M. hamulosa?

33

3rd nearest tree here

a CDB of 0.34 m and has
approx 9 significant stems at this
height.

height is 7.6m

HEALTHY but all ~~the~~ larger
logs stems/branches are dead -
This tree is in closed med. forest.

(34)

21/4/97 contd

T6 h4

Nearest tree's

CBH is 0.44 m. There
are approx 10 significant stems
below this height

(Height is 6.6m)

[HEALTHY] - or slightly stressed?

All lower stems / twigs are dead.
Tree is in closed "forest" of same
species (mainly)

2nd nearest tree's

CBH is 0.41 there are

3 significant stems below this height

(Height is 7.3m)

(35)

21/4/97 contd

T6 h 4 continued

3rd nearest tree is 0.23m

There are c5 significant
stems below this height

[Length is 5.6m]

(36)

Wed 23/4/97

Vessey Estuary Floodgate gauge
reads ~ 0.03 m
at 1235 hr on Wed
23/4/97.

Flap valves closed

the dead in the flaps
Wind Light Northwesterly.

Womersley Estuary Floodgate gauge
reads ~ 0.25 m at 1247 hr
on 23/4/97

Flap valves closed

Water backing in at a fast
rate.

the dead in

(36)

Wed 23/4/97

Vessey Estuary Flapgate gauge

reads ~ 0.03 m

at 1235 hr on Wed

23/4/97.

Flap valves closed

No dead or dying fish

Wind light northerly.

Wimbor Estuary Flapgate gauge

reads ~ 0.25 m at 1247 hr

on 23/4/97

Flap valves closed

Water trickling in at a fair
rate.

No dead fish

(37)

Wed 23/4/97
Contd

T6 h5

Nearest ~~tree~~ ^{bush} circumference 0.2 m
above the ground is 0.13 m

height = 3.1 m

Second nearest bush circumference
0.2 m above ground is 0.14 m

height is 2.9 m

(38)

23/4/97 Contd

T6 h5 contd

Thickest nearest bush's circumference

0.2 m above ground is 0.19 m

(This bush has ^{3rd} a major branch below this height)

Height is 3.8 m

T6 h6

Nearest

is 0.045

Height = ~~2.85 m~~ 1.35 m

is 0.070

Height is 2.0 m

is 0.190

Height is ~~4.0 m~~ 4.0 m

is 0.055

Height is 1.45 m

is 0.19

Height is 3.7 m

(40)

23/4/97 contd

T6 h 7

Nearest tree to crown fence at
breast height (CBH) is 0.79m

Height is 5.5m

~~height~~

2nd nearest tree $\swarrow$ 40° from horizontal.

CBH is 0.86m (one

- felled - of several large branches
at breast height and at 5° -

40° from horizontal

(Height is approx 6.5m)

(41)

Just nearest trees / bushes
are approx 6m from ~~edge~~ hole (peg)
(too far)

(L12)

23/4/97 contd

UNDERSTONES

T6 h1 understory.

is mixture of fine sedge
(*Juncus?*) and *Sarcocornia*

Note that
3m down edge from hole
the ~~fine~~ fine sedge finishes
and it becomes *Sarcocornia*
only.

T6 h2 understory is ~~also~~
~~same~~ the same as for h1

T6 h3 understory is the
same (?) fine sedge, no
Sarcocornia, but some
grass (cocks?) mixed in
through the sedge.

(43)

Tb h4 understory is the
same as for h3

~~Tb~~

Tb h5 understory is two (?)
species of fine sedge,
a "broadleaf" "ground-
cover", very few widely
scattered Gahnia and
some couch (?) grass mixed
through.

(144)

23/4/97 Contd

T6 L6 understory is
the same as T6 L5

T6 L7 understory is
sedge (1 or 2 spp?),
some couch (?) grass mixed
thru, a creeper (Keneba??)
a "geranium-leaved-like plant",
a v. few widely scattered
Acorus lilies (just shooting
above ground - to c 15 cm)

4 kids (aged 8-12 yrs) walked
down public laneway and out onto
shallow mid-estuary at 2.25 pm.

Fri 25 April 97. Vasse Estuary
opposite Estuary View Drive,
(Warrnambool Townsite)

1330 hrs — 1500 hrs.

Species identified by the
"Waterbird ID for
Woodward Jayne" course members

- Osprey
- Darter - mostly ♀ adults
- Purple Swamphen
- White-faced Heron
- Black Swan
- Little Black Cormorant
- Large-billed Puffin Cormorant
- Little Puffin Cormorant -
- Emu
- Emu
- Pacific Black Duck
- Andean White Ibis
- Unidentified ducks - (they were Grey Puffin)
- Sheldrake

(46)

Vade Estuary Control

Fri 25 April 97

Control

From 1435 to
1500 hrs

Redstart!



Closely studied it for 25 mins
at 100-150 m. Bright
sun behind.

Saw upper wing - very
distinct barred white trailing
edge to wing - White rump
+ lower back (V shaped)

Flew 3 ~~times~~ times and
had 2-4 second ~~rounds~~

Staying actively searching for
food at edge (in shallow water)
of small lake warm islands

Vespa Estuary Cntrl

Redshank Cntrl

(47)

25/4/97

Other birds in general
usually were ducks,
ducks, cormorants, WPH
bent ~~on~~ ~~the~~ ~~water~~
not close to it - and it
flew short distance for
greater squawks.

I was using Zeiss 8x40B
binoculars - recently cleaned.

Light → no wind. Light
patchy cloud cover.

There were 9 members of wetland
ID course with me. They

were able to describe shape

& leg colour ~~but not for~~

& saw B+W of wings &

orange then and occasionally

the rest these orange red

(48)

Vence Estuary Wald

25/4/87

base to bill. legs
were bright orange red.

Bill long slender + straight
Bird fairly uniform brown/grey
above + lighter below. Fine
streaking on neck + breast. A
thin pale stripe from
base of bill over eye.

Last week I watched several
Gulls feeding in
same general area.

The Redpolls (if any) did
not "tactor" at all.
~~or~~ Didn't hear call +

Versa Estuary Contd

25/4/97

(49)

Light was not close but
sun was behind me,
+ reflection off water +
I was able to trace
bivalve motions on
a fence post. Light
was not bright enough to
see seagulls and have to look
for ~ 20% of the time.

(50)

Sat 26/4/97

Verse fishing at Estuary View

Swi, Wrens

Start 0930 hrs (looking for yesterday's Redshank)

Black Swan — 12

Grey Tied — 170

Greenback — 25

Hh Grebe — 18

Little Black Cormorant — c.300

Little Pied H — 13

Swamp — c.10

Crab White Ibis — 1

Caspian Tern — 1

Silver Gull — 1

Large Pied Cormorant — 24

Black Duck — 31

Banded Kentbird ! — 1

Bsp

Venue Estuary cont'd

26/4/87 cont'd

(51)

Whistling Lark - 1

Green Gnat - 1

Darter - 1

17 spp.

Mud Duck - 1

18 spp.

White-faced Heron - 1

The Banded Landrail (the first I have seen ~~here~~ here) was ^{about "knee" deep} standing in ^{algae} shaggy decaying ~~water~~ ^{stand} at water's edge (1 m wide strip of stone exposed), next to tussocks of grass with sedge and other *Pygmaea* behind, in NW corner of this bay of the estuary. The bird stayed in a small area (max 1 m diameter) ~~almost~~ ^{+ flicking} frequently pecking in ^{algae/mud} ~~water~~.

(52)

Verse Estuary Lark

26/4/97 Contd

Qt 1025 hrs

hundreds

of LDC ~~and~~ took off in a
steady procession and flew
towards the ocean.

Healed Redback from 1030 - 1039

am. Feeding in "antile" deep
water. Flew 3 sec to
ground corner (out of site)

on just-submerged
tube worm
islands.

Coot - 2

Pied Silt - 3

Great Cormorant - 1

22 spp. Skelchut - 7

Frank 1058 hrs -

Total 605 birds of

22 spp. (incl 1 Whimbly
toilet)

Sun 27/4/97

Went with CIS RAOU members
from Perth, including John
Dyball, to Estuary View
Drive, Woorin. Arrived
c 8.30 am and observed
the single Redshank.

Never closer than the tip
of the island. Couldn't
get close enough to age on
plumage. New Buff Banded
Rail at water's edge as
previously. Left this area
after c 1/2 an hour. Went
to Woorin Estuary and then
RGL Wetlands. REE RGL
Saw no. of RAOU mentioned

(54)

27/4/97 contd

An excellent hide she has
visited in Dec 96 at
Boal dagon. Apparently
it has individual viewing
slots (hatches) with
transparent covers that
rise up & down vertically
and you hold in place
with a nail. Imperant
("perpet") means you
can keep them closed
in bad weather & view
thru them.

(55)

Mon 28/4/97

Charlie Bradburn⁺⁹ & I drove
out to Estuary View Drive,
Winnings arriving c 1.15pm
to look for Redshanks.
Couldn't see it. gave
up after 20-30 mins.

Did see 2 ospreys
roosting in trees on west
side of this bay of
the River Avon!

On the way back to the
office we saw ~~the~~
(from Longmarch) that the
canal from Rost Gorge
to the River Estuary

(56)

28/4/87 contd

Was blocked off.

At approx 2pm there
were 110 (counted)
Y6 Sparrows feeding
& resting in the
slab at the west
end of Vasse Estuary,
just before it connects
mainly (near Ford Rd)

(57)

Thurs 29 / 4 / 97

~~Joe~~ (or Jeremy) Taylor and
I went to Estuary
View One; Homers
to see & sketch the
Redshanks. Arrived
c 9.15 am. Saw it
after approx 20 mins -
just beyond tip of
island. Feeding on
just-emerged dark brown
island. Greenshanks
(c 10) in same general
area feeding & resting
on island. We
drove south to Webster
Rd. I came within

(58)

29/4/87 cont'd

3 pieces of a large
tiger snake resting on
the rocks/grass
at the edge of the
screy. We walked
to western tip of peninsula
(high ground) and could
see Redstart but
all birds wary of our
approach & Redstart
soon moved around tip
of island, out of view.
We walked in to Esney
View Drive again on way
back to Torran but
couldn't see Redstart.
Left here at 1105 am.

(59)

	(C)	(D)	(E)
Binoculars	Exit Pupil	Light Gath.	Twilight Factor
(A) x (B)	Diam.	Power	Factor
	$\left(\frac{B}{A}\right)$	(C^2)	$(\sqrt{A \times B})$

10 x 21	2.1	4.41	14.5
10 x 24	2.4	5.8	15.5
8 x 35	4.4	19.1	16.7
10 x 40	4.0	16.0	20.0

(C) should be greater than the eye pupil diameter (for optimum light gathering). Eye pupil diameter is rarely greater than 6 mm (and decreases with age).

(60)

Fri 2 May 97

Eschery Van Dine
1.52 pm.

Gray Teal ~

Osprey. (4!)

Great Egret.

Black-winged Stilt.

White f Heron.

Purple Swallow

Pink Cormorant

Little Pied Grebe

Great Cormorant

Black Swan

(61)

Tues 6 May 97

Ayrshire 3.30pm → 4.15pm

visited Ford Rd area with Burnett +

Chloe to inspect Bess Shire Council's

channel excavation upstream of

Ford Rd. This work was done

(started) on Wed or Thurs of

last week. Charlie Broadbent

said there were "hundreds" of

Purple Swamphens feeding where the

~~deep~~ earth moving equipment

had been working. Today

(6/5/97) I saw approx 20-30

of them. Water was

trickling over each of the earth

"banks" put in along the

channel. These will probably

wash away in winter.

(62)

6/5/97 contd.

Has water level been rising slowly as the grass has gradually choked the waterway?

Is that why some of the Melencios are dead - e.g. - the ones that the groundhills nest in?

Approx 4:20 - 4:50 pm we were at Estuary View Drive, Womersley Tarnside. There to search for Redshanks.

Used Zeiss^{8x} 40 B Dufur binoculars + Leica Tarnovid telescope on tripod. Couldn't find Redshanks.

Did count 9 Greenshanks,
1 Plover, LBCs,

(63)

6/5/97 contd

Great Cormorant, Skelduck,
RBD, Grey Teal, LPC,
WFTern, Pied Skelt, Swamphen,
Darters,

Lebra Minor 8/5/97

North end of Lebra - from roof of vehicle - where minor enters

Start 0950 hrs. - Finish 1003 hrs

S. Pl - 24+

WFT - 36+

Black Swam - 2+

Skelduck - 2+

Unidentified ducks - thousands (+?)

Grey Teal

Used Anipart + Leica Trinovid telescope

appears to be mainly
Grey Teal + possibly
others e.g. Skelduck

(64)

8/5/97 Contd

Unincubated → SW corner of
Kankunship N. Reserve — head E
along S boundary for 1.1 km —
then N along track to 2.3 km (total)
± wells & lake

Go DO — me to
advise Andrew Stoney
of how much "stygian"
I can accommodate in
terms of his reporting
(me to compare his data
with those of Nick & Greg)

Photos of dead Bantoe
Mel. Icterus (+ other *Pyrus*)
~~Photo~~ at  Lake
(Lake No 35 "NE Unincub")

(65)

8/5/97 Contd

Unising Lake gauge reads
1.28 m at 1548 hrs
on Th 8 May 97.

Fri 9 May 97

Vesoe Estuary — Estuary View
Dye.

• Osprey on antenna feeding on
fish — looks like a mullet.
Three others in dead tree next to
estuary.

- Pheasant
- Grey Teal
- Shelduck
- Black Duck
- Coot
- White-f Heron
- Black Swan

(66)

Fri 9/5/97

Amos

- Darter
- Longfinned Cormorant
- Little Pied Cormorant
- Little Egret
- WB Sea Eagle
- Pied Shrike
- Greenshank
- Redshank
- Silver Gull
- Little Black Gull

19 spp. • Whistling Bire

• Purple Swallow

Finished 2:40 pm

(67)

Fri 16 May 97

Vease Estuary Flocks 1315 →

White-faced Heron

Black Duck

H. Grebe

Mare Duck

Little Pied Cormorant

Dusky Moorhen

Silver Gull

Darter

Geyse needs - 0.05 m AWD
at 1348 hr.

Australian White Ibis

Finish - 1355 hrs.

(68)

16/5/97 contd

Worming Phragmites

Deerhurst area & Worming Inlet

White Ibis

White & Heron - 2 counting!

Shelducks

Pelicans

Cape's Tern

Black White Cormorants

Darters

5 Great Egrets

Coney Teal

Black Ducks

Darters

Swans

Scaled Kingfisher

69

Mon 19 May 87

Silver Gull census (flight) of
Cornac + Penguin Is.

Pilot Peter Smith
Cessna 441
dropped off + me
in rear right
hand seat.



in a Cessna 172



Takeoff approx 0815 hrs.

1st run	— 1 photo	] Same for Penguin + Cornac.
2nd "	—	
3rd "	—	

Arrived at Penguin Is 0843 hrs.

4.00' good

Heard 22-36 exp. 100 ASA in 1 hr
+ 17000 Doves

69

Mon 19 May 97

Silver Gull census (flight) of Cernae + Penguin Is.

Pilot: Peter Smith
Cessna 172
dropped off + me
in rear right
hand seat.



in a Cessna 172



Takeoff approx 0815 hrs.

1st run	— 1 photo	Same for Penguin + Cernae.
2nd "	—	
3rd "	—	

Finished at Penguin Is. 0843 hrs.

400' good
nest 2236 eggs. 100 also nest time
+ Modern Dome

70

Fri 23 May 97

1.20 pm Ustart.

Womans Estuary near

tunnel (greenhouse) (Site 9 in info sheet)

Grey Teal.

Wt Heron

Shoveler

Shelduck

Red-capped Plover

Blue Swan

Yb Spermill.

White Ibis

Red-capped Plover.

Red-necked Stint.

Reheer

White-bellied Chat.

(71)

Green-backed — 4
Pied Shlt
Caspian Tern

Reached point at 2.45 pm.

Mon 26 MAY 97

Vespe Fishing at Estuary View Drive
(start 16.20 hr.)

Darter 1 + 4

Large Red Cuckoo cc 60

Hk Grebe 1 + 10 + 6

Mud Duck 1

Black Duck 2 + 1 + 6

Coot 12 + 4

(72)

26/5/97 contd

Purple Swallow 2

Little Pied C. - 2

[Plus 3 Swallows, 1 Great Cormorant and 1
Osprey roosting in trees on W side of bay]
1 Silver Gull o'head -

All these islands are covered
by water but the large
Pied Cormorants were roosting
on 3 ~~is~~ out in the bay
that were covered to a
shallow depth.

No shoreline exposed - water
to edge of vegs -
Finish at 1630 hrs -

Note that when I drove past here
on Fri 23/5/97 at 1255 pm some
(quite a few?) islands were still
exposed (just).

73

26/5/97 Contd

Vasse Estuary floodgate (Water Corps)

Gauge reads + 0.13 m

at 1640 hrs on Mon 26/5/97

Moderate NW wind blowing.

All boards out. All flap

valves closed. ~~The~~ Slight trickle

is as water level slightly higher
on ocean side.

Some flap valves need
cleaning to close properly.

Webber Road (Vasse Estuary) - no

drake worms islets visible from
here either.

Womans estuary floodgate gauge

reads - 0.18 m (type measured)

at 1701 hrs on 26/5/97

(74)

26/5/97 Contd

boards are still in.
Water level much higher on ocean
side, but not as high as top
of boards. Slight trouble in past
flog welms + boards.

Trans 27/5/97

Transet 3

hole 1 → 2 :	205°	5.3m
2 → 3 :	220°	7.0m
3 → 4	197°	7.5m
4 → 5	67°	18.2m

Peg of hole 1

is 0.64m E of tree with red tape 0.8

in stone ground

(75)

Peg of hole 5 is 0.8 m S of
tree with red tape on branch 0.9 m
above ground.

It is 359° from tree with
tape (hole 1) to tops of 3
Norfolk Island Pines on coast to
north.

Transect 2

It is 2.47 m ^{fence} from post with
red tape near its top, south
to T2 hole 1.

Follow fence line (bearing 81°)
for 54.1 m to T2 h2
(along fence line)

(76)

T2h2 is 1.05 m on S
side of fence (wire)

T2h2 to T2h3 is 10.7 m
and h3 is 1.93 m on S side
of fence.

T2h3 to h4 is 10.6 m and h4
is 1.07 m on S side of fence

T2h4 to h5 is 34.6 m and h5
is 2.81 m on S side of fence

T2h5 to h6 is 25.2 m and h6
is 1.05 m on S side of fence.

[T2h6 is 0.78 m SW of fence
post with red tape near top.]

77

Transect 1

1 1 → 2	229°	7.3 m
2 → 3	203°	4.6 m
3 → 4	224°	14.2 m
4 → 5	229°	11.4 m
5 → 6	207°	10.2 m
6 → 7	215°	11.1 m

T1 Reg 2 is 1.5 m on N
side of tree with branch with
nest hole c 1 m above ground

Finish 1640 hrs (27/5/97)

(78)

28/5/97

Vorse Estuary floodgate gauge
reads $+0.13$ m AHD

at 1544 hrs on Wed 28/5/97

(used tide gauge, to nearest
0.01 m)

Wind ~~light~~ ^{now} v. light, NW wind,
All boards out (except bay 1)

All flap valves closed.

V. slight trouble in (water
level slightly higher on ocean side)

Wonsley Estuary floodgate
gauge reads -0.13 m AHD

at 1553 hrs on 28/5/97

Wind still light $\rightarrow$ v. light NW or NW
All boards in. All flaps closed.
Small trouble in.

(79)

28/5/97 Contd.

These are good readings
(better than Mondays (26/5))
to use for calibrating the
water level loggers.

Fr. 30/5/97

"Swan Lake" 1320 hrs →

Swans - many hundreds. (c 600)

Shelduck

White-F Heron.

Black Duck

Finished 1430 hrs.

(80)

Sat 31/5/97

(Pearson)

Gravitational computer

Game time of 12:18:00
at 13:00:18 on my
watch.

- The Dataflow software gave
a time of 12:20:00
at 13:02:18 on my
watch. It also

said today (Sat 31/5/97)
is Indian Day 152
whereas today is really
JD 151.

⇒ dataflow is 23 hrs 17 min 42 sec
ahead of my watch

When telephones are

張其成

14. 43.00

my watch se-

14.44.30

⇒ my watch is 1 min 30 sec fast

$\Rightarrow$ deflow is 23:17:42

+ 1:30

$$= 23 \text{ hrs} : 19 \text{ min} : 12 \text{ sec}$$

ahead of real time

$\Rightarrow$ hence γ must be odd

23 hrs 19 min 12 sec

~~2016-7-9~~

from all records (post. 34)

84)

(82)

Sunday 1 June '97

In the afternoon, John & Judy
Blyth joined me, Vera, G & C and
went to Estuary View Drive Womersley
to look for the Redshanks. Water
level was just over the islands
(2 islands nearly exposed - enough
for 2 Sooty Gulls to stand in
shallow deep water). No shorebirds
exposed. Did not see Redshanks
or other birds. There were
4 Osprey in this area though.

We then drove to end
of Webster Rd, Womersley. Scanned
shorebirds with the telescope.

On the opposite side at the
water's edge was the Redshank!

(82)

Sunday 1 June 97

In the afternoon, John & Judy Blyth joined me, Vera, G+C and went to Estuary View Drive Womersley to look for the Redshanks. Water level was just over the islets (2 islets nearly exposed - enough for 2 Sooty Gulls to stand in ankle deep water). No shorebirds exposed. Did not see Redshanks on other islets. There were 4 Osprey in this area though.

We then drove to end of Webster Rd, Womersley. Scanned shorebirds with the telescope.

On the opposite side at the water's edge was the Redshank!

This was at 3 pm. We all watched it moving ~~about~~ about feeding energetically. At about 3.30 pm it flew further into the little channel (bay?) on the opposite side & out of sight. We then drove off to the area just upstream from the mouth of the Little River. Here there were approx 300 Blue herons and many ducks (mainly PeBD & G⁵h) including approx 50 Shorelarks. At about 4.30 pm we noticed the Redshank had moved here & was feeding over green algae pebbled up in a shallow bay.

This was at 3 pm. We all
 watched it moving ~~about~~ about
 feeding energetically. At
 about 3.30 pm it flew further
 into the little channel (bay?)
 on the opposite side & out of
 sight. We then drove
 off to the area just upstream
 from the mouth of the Little River.
 Here there were approx 300
 Black Scaup and many ducks
 (mainly P.80 & C.52) including
 approx 50 Shoveler. At
 about 4.30 pm we noticed the
 Red-billed had moved here
 & was feeding over green algae
 heaved up in a shallow bay.

(85)

2/6/97 Contd

I measured the distance between
the two power poles on either
side of the river / estuary.

Distances were 138 and 132
metres - average = 135 m.

Compare with 75 m bridge
proposal. - not long enough.
100 m more appropriate.

(85)

2/6/87 Contd

I paced the distance between
the two power poles on either
side of the river / estuary.

Distances were 138 and 132
metres - average = 135 m.

Compare with 75 m bridge
proposed - not long enough.
100 m more appropriate.

(84)

between us & the mouth of the
Arbe. We walked &
walked approx 4-45 pm &
then V, C, C & I went back
home.

Mon 2 June 97

Went to Fork Rd with
John & Judy Dwyer. There
was 1 Glossy Ibis on
the downstream side of the
road, feeding in the
water. Also scores of
Scaup; Yb Sparrows flying
around.

(84)

between us & the mouth of the
Abbe. . . . We watched &
watched approx 4-45 pm &
then V, C, C & I went back
home.

Mon 2 June 97

Went to Fork Rd with
John & Judy Dwyer. There
was 1 Glossy Ibis on
the downstream side of the
road, feeding in the
water. Also scores of
Song Sparrows; Yb Sparrows flying
around.

(86)

Fri 6 June 97

Walked the levee bank separating
Worming Estuary from "Swan Lake"
Started 1.20 pm

Black Swan — hundreds in Swan Lake
Water now higher + partially flooding
the marsh —
Some adding material to nest
mounds.

White — F Heron — several.

Black — F Cuckoo Shrike — 2 on fence.

Barkler — Bird — on fence post over pasture.

Kestrel

White F Cuck

Wood Swallow —

White b See Eagle.

Mark Heron

6/6/97 (87)

Vonnempe Estuary (top end)

Pelicans - 10

Yb Spermhill

Shelduck

Black Swan

Megpoe - on pasture.

Black Duck

* Little Pied Cormorant - 2

Silver Gulls - 2

Kestrel - one on

White-f Chest

Black-f Cuckoo Shrike

♂ Caspian Tern o'head.

Great Egret.

Finished 3.25 pm.

(88)

Mon

Tues 10/6/97

Wed 11/6/97

Nimbleia Swamp 7.30 am → 8.20 am

- mosquitoes
 - *Pentstemon* - control (bunch, cut, pull up seedlings). Photo taken in flower to locate. Seeds probably grazed by Sandy Litterers + Red-winged Blackbirds as well as cattle as they eat the pods.
- Not widely distributed in Dengie Island.

89
11/6/97 Contd

Black Duck, Pied Bill, Grey Teal.
Mudhens.

- a 6' and 8' crocodiles (2) have been
seen recently at Willie Creek. Someone
recently caught a frogger with a
big crocodile in its mouth at Willie
Creek. They could only breed at
Crescent Lake or Numburra Swamp locally.
One 8' croc recently on Cable Beach.

Crescent Lake 8.50 - 9.00 am
Mozzies
15 Pelicans

Wongarut Tract (Outline 101)
picked "Magabala" (Marsdenia)
fruit. (0940 hrs) iridiflora

(90)

11/6/97

1015 am

~~1015 am~~ stopped for cups

Phasmid

Eurygaster jolivi
(Great Stick Insect).

Took photos at start of 100 ft path.

Menni Park Legation

1215 pm arrived at

Wetland to freshwater creek.

Masses of "beet" butterflies -
(Harlequin beetles)

stems/leaves on populus leaves.

Melipotis corymbosa - 15-20 m

Someg. Pandanus spiralis beneath.

(91)

Acacia (ex peltata)
neurocarpa - very
common along watercourses

Acacia sumida - very common
plant in West Kibale. ("Wongai
Wattle")
One big Melaleuca decorticate
nearby. (20-25m) glabrescens

Watercourse is 1 m across, flowing.
Has small amounts of "duckweed"
(Lemna sp.).

Dryopteris - 3 spp - "red tail",
"blue tail", "merrin wing" -

Wongai Creek - prominent
section is c 1 km (at least).
Other sections dry up.

(92)

Tim Wilby has old air photos.

GPS said we were 600 m (S)
from ~~where~~ where vehicle is parked.

1515 hrs Cattle Creek

Nymphaea violacea.

Three Water Lily ~

- edible - eat the flower
stem & the base of the
flower and the roots.

This is probably the most southerly
patch in the Kimberly (T.
Wilby pers. comm.) - photos.

Also *Utricularia chrysantha*.

Monocleris ("white plumed type")

This creek is also *Mac. cad. sp.*,
with some *Peckhamia* species and

(93)

Accia neuropsa

Also *Timonius timon* growing
here.

Water flowing gently in creek.

The *Pandanus* here may
include *P. drosirensis*

"*Pandanus taxonomy is a mess*" (T. Walling)

Finish 1530 hrs.

Camp.

~~Wed~~ Th 12/6/97

Left campsite 0723 hrs

0810 Walked into flowing creek

Yam with heart shaped leaf climbing tree

Accia neurops

Also *Timonius timon* growing here.

Water flowing gently in creek.

The *Pandanus* here may

include *P. darwinensis*

"*Pandanus taxonomy is a mess*" (T. Walling)

Finish 1530 hrs.

Campsite.

~~TH~~ TH 12/6/97

Left campsite 0723 hrs

0810 Walked into flowing creek

Yam with heart shaped leaf climbing tree

(94)

12/6/97

"Swamp Forest Biotope"

Coned

This forest also 15 m Melaleuca
caujuputi, with some Persea
and Acacia melanocarpa.

Some water lilies (Nymphaea violacea)

A few butterflies.

Plenty of evidence of cattle activity.

Short plants browsed by cattle.

~~Many~~ Agave & Persea with
charcoal (black) covering.

High searching fire probably 2-3
years ago.

Within Conumb Point Nature
Reserve (just).

Dragonfly (orange-brown)

"Flying Stick Damselfly" - 2 cm
long - shiny white with faint
bluish

large at rear. Wings reach $\frac{2}{3}$
of total length.

(94)

12/6/97

"Swamp Forest Biotope"

Contd.

This forest also 15 m Melaleuca
caujuputi, with some Pandanus
and Acacia neuroscopia.

Some water lilies (Nymphaea violacea)

A few butterflies.

Plenty of evidence of cattle activity.

Short plants browsed by cattle.

~~Top~~ Bambusa & Pandanus with
charcoal (black) covering.

High scrubbing fire probably 2-3
years ago.

Within Contumb Point Nature
Reserve (just).

Dragonfly (conspicuous brown)

"Flying Stick Damselfly" - 2 cm
long - shiny white with bluish
faint.

Large at rear. Wings reach $\frac{2}{3}$
of total length.