

Jim Lane's Field Notebooks Index Contd.

(Revised Index of 31/5/2014)

<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1992 on)_32	32	(28-01-99 / 29-06-99)
JL_(1992 on)_33	33	(03-07-99 / 25-11-99)
JL_(1992 on)_34	34	(25-11-99 / 10-03-2000)
JL_(1992 on)_35	35	(29-03-00 / 04-09-00)
JL_(1992 on)_36	36	(05-09-00 / 19-01-01)
JL_(1992 on)_37	37	Missing (at 31/5/2014)
JL_(1992 on)_38	38	Missing (at 31/5/2014)
JL_(1992 on)_39	39	Missing (at 31/5/2014)
JL_(1992 on)_40	40	(Dec 02 / Mar 03)
JL_(1992 on)_41	41	(Mar 03 / Apr 03)
JL_(1992 on)_42	42	(May 03 / Oct 03)
JL_(1992 on)_43	43	(Oct 03 / Nov 03)
JL_(1992 on)_44	44	(Nov 03 / Dec 03)
JL_(1992 on)_45	45	(Dec 03 / Jan 04)
JL_(1992 on)_46	46	(Jan 04 / Feb 04)
JL_(1992 on)_47	47	(Feb 04 / Mar 04)

TO BE CONTINUED

Jim Lane's Field Notebooks Index

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JL_(1969-70)_1	'1969-70'	(Nov 70 / Jan 70)
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)

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JL_(1970-84)_17A	1980-81	(01-12-80 / 15-11-81)
JL_(1970-84)_18	1982-83	(13-03-82 / 18-03-83)
JL_(1970-84)_19	1984	(15-03-84 / 16-03-84)
JL_(1970-84)_20	1984	(20-09-84 / 10-10-84)
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)_4	4	(27-10-93 / Dec-93)
JL_(1992 on)_5	5	(14-12-93 / 22-12-93)
JL_(1992 on)_6	6	(23-12-93 / 06-01-94)
JL_(1992 on)_7	7	(18-01-94 / 18-03-94)
JL_(1992 on)_8	8	(21-05-94 / 08-07-94)
JL_(1992 on)_9	9	(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	(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)

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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)
JL_(1992 on)_27	27	(14 -02-98 / 21-03-98)
JL_(1992 on)_28	28	(30-03-98 / 20-05-98)
JL_(1992 on)_29	29	(23-05-98 / 28-08-98)
JL_(1992 on)_30	30	(Sep 98 / Dec 98)
JL_(1992 on)_31	31	(24-12-98 / 28-01-99)

Nº 34



Note Book

96 PAGES 5mm RULED

No. 561

25/11/99 — 10/3/2000



9 312828 005619

Made in Malaysia

ESSELTE

①
Note that I was in France
from 2 Dec 89 until 27 Jan 00

(2)

Wonnago Esby plankton jugs
read (on Tues 1 Feb 2000)

w/s + 0.10 m at 1720 hrs

d/s + 0.64 m ~ ~

Water being in through + over
slip boards.

All gates closed.

Water column w/s is grey-green +

low visibility

at least ^{many} 100's

medium sized

of fish (mostly)

swimming in channel upstream.

more than 1000 (at least)

(2)

Thurs 1 Feb 2000

Vessel edging floodgates at 1655 hrs.

~~Gauges need:~~ Water leaking on feet
and over ship boards. Remounting shorts
from water body - some blooms (blue-green)
and scum. Moderate SW wind blowing.
Fine.

All gates closed.

Gauges need:

u/s { 1.90 m from measuring point to water surface
0.86 $\Rightarrow$ gauge reads 0.44 m
top of 1 m gauge plate down to water surface.

d/s { 1.25 m from measuring point (NE end)
down to water surface
gauge plate reads 0.67 m

(4)

Some estuary floodgates at
~~1715~~ 1715 hrs on Wed 2 Feb
2 Feb 2000

Jagers need

+ 0.13 (upstream)

+ 0.62 m (downstream)

Took photo (black) No 1-8
of right bloom.

Water leaking in & over stop
boards.

Moderate W wind. Fine.

Some fast fish already upstream
(5m+) of the floodgates.

No fish seen against gates

No dead fish.

(5)

Allygator still closed.

Womping Eelby flapping at
1725 hrs on 2/2/00.

Geyser need

+ 0.10 u/s

+ 0.58 d/s

Water leaking in and over
stop boards.

Mudcr (1500+) fish (mullet?)
actively 5+ m upriver of gate.

Blue green bloom still severe.

(6)

Thursday 3 Feb 2000
Fish harvest.

Met at 0930 hrs. at

Waste eating plantations

Street

Kevin Johnston

Robyn Pace

Sue Elcott

Charlie Broadbent

J. Lee

Fisheries

W4 Bsn

WRC B-sing

CAIR.

Open both sets of gels for
~~8 hrs~~ up to 8 hrs.

Fisheries encourage prof. fishermen

(7)

Rob Turner: 97521422

Ben O'Grady: Env. Officer

Vance Esby gave update 11.42 am

1144-45: ~~4~~ 7 mullet

1148-49: 11 mullet

~~1150-51~~

1159-1200: 7 mullet

~~1208-1209~~:

~~1224-225~~:

~~1225-226~~

1226-27: 7 ($\times 2$) = 14

1228-29: 20 ($\times 2$) = 40

1232-33: 14 ($\times 2$) = 28

N
side

(8)

$$1234-35: 0(x2) = 0 \text{ (S side)}$$

$$1236-37: 12(x2) = 24 \text{ (N side)}$$

$$1338-39: 24(x2) = 48 \text{ (S side)}$$

$$1240-41: 15(x2) = ~~45~~ 30 \text{ (N side)}$$

$$1242-43: 19(x2) = 38 \text{ (S side)}$$

$$1244-45: 17(x2) = 34 \text{ (N side)}$$

$$1246-47: 14(x2) = 28 \text{ (S side)}$$

$$1248-49: 17(x2) = 34 \text{ (N side)}$$

$$1250-51: 40(x2) = 80 \text{ (S side)}$$

$$1252-53: 32(x2) = 64 \text{ (N side)}$$

Prog Fisher covered (1 boat) about
1245 hrs + set & net.

9

1220 = Vänge gele gelernt

Rug 8/2000 1-30

[Mike Smith
Dante (21) --] Prof. Prokormen

1309-10 : $i(x_2) = 2$ (S side)

1311-12 : $0(x_2) = 0$ (N side)

Beth (BMTimes)

1316-17 : $0(x_2) = 0$ (S side)

1341-42 : $0(x_2) = 0$ (N side)

(10)

1252-53: $O(xz) = 0$ (S side)

Photos (2) of prof fish + catch.

1411-1412: $O(xz) = 0$ (N side)

Retired up Sine to from
Wangy gate (still open)
at 1418 hrs.

1425-26: $O(xz) = 0$ (S side)

Wangy gate closed 1445 hrs.
by John Mann + ---
of Water Corps.

1504-05: $O(xz) = 0$ (N side)

(11)

1818-19: $0(x2) = 0$'s side)

Second net produced

15-20 % : Yellow Eye

80% : Sea Mullet

2 % small Green

here - water

So far

today: 300 kg of fish ² fish ₁₁ / bucket

at Total: 900 fish

1535

hrs

after pulling 2 nets only -

(12)

Prof Johnson receives:
60-80¢/kg - for ^{crag} ~~egg~~ ^{best}.

Will sell chert to carpenter
- not for ^{heaven} ~~consumption~~ ^{consumption}.

Fishing
Will stop by 5 pm today.
Night come back Fri

015 389 209 analog.
Mike Smith (prob John)
- say for final post numbers.
1580-51 = 0 (x2) = 0 (N side)

pottery glasses needed.

(13)

1605-06 : 0 (x2) - 0 (S side)

1607-08 : 0 (x2) - 0 (N side)

Closed gate at 1612 hrs

Alison? + Ross

go through a Bennett's

property - let them
know when.

Report written on

Fri 4 Feb of 3-4/2/00

activity : C: vessel work (fish-man)
3 Feb 2000, etc

Visit today of phryganea at

1620 hrs on Fri 4/2/00.

gangs not used. Weber

Just hatching in. One

small school of minnow - small

to med. sized - 10 m upstream

of phryganea

One dead fish (minnow) stuck in
structure.

No sign of fulmen

No feeding acts.

(15)

At 1630 hrs. spoke to
Mike Smith & Dealer pretty
their nets at Warrings

Yesterday:

80% Sea Mullet.

20% Yellow Eye

21 crates @ 23 kg

23

21

23

46

483 kg

$\times 3 = 1449$ fish

Total yesterday from the Vasec
Finished 5.30 pm.

Estimate 700 kg total

from Warrings

@ 3 fish per kg

$= 2,100$ fish

30% Yellow

70% Sea Mullet.

(3 small beams)

(16)

Started c 10.30 - 10.45 hrs.

Might push here tomorrow also.

c 35 cm.
Tide not quite as big as in
Vance Entry.

Todays effort probably only
made a small dent in the
number of mussels in the
channel.

Leave next time!

Womys Janger at 1639h

+ 0.09 m w/s

+ 0.23 m d/s

(17)

Water lying in, but not
strongly.

Strongest in bay with
beards removed.

97 522 111 (a)

0418 931 099

(18)

Set 5/2/99

See Elvert's
readings

Wend

+ 1.905 m

u/s

1.835 -

d/s

Whip

0.10 - 0.06
u/s = +0.04

0.01 d/s

Strong out test

(bottle
out
of one bag)

1.990

- 1.905

= +0.085

Sun 6 | 2 | 00

Verse

1.940

u/s

1.805

d/s

Wherry

0.10 m

u/s

0.01

d/s

1.990
- 1.940

0.050

leakage out
than reverse
value.

Jumping mullet
1000 ft
5-200 m

0.10
- 0.06

0.04

a lot of flow out
very brown. clearly stopped.
much less fish activity
than yesterday.

(21)

Mon 7 Feb 00

1125 hrs

Rang Mike Smith - he
didn't fish in wings or

there on westbank and is

not fishing there today.

He might fish there in

a few days.

Mike Smith is not

any more fishing. instead of that
he has left and is now
fishing with

Caroline

- work

- ladder

- brooches + pillow.

- white black

Stand (Here are
two
large
rodent)

Wed 9/2/00

Rod Wiseman Chloe's teacher

Homework

- Maths - Monday.
about 20 mins.
- Parents may help any way
they want.
- If in doubt encourage ~~to write~~
kids to ask teacher (but
not as late as Fri!)
- Kids to be responsible - look
after gear, be on time.
- Reading: ≥ 4 books (out of
choice of 15). Can read the
whole 15 in one term - plus
others from library + us.
- We don't have to listen to
Chloe read.

(25)

- ≥ 16 books (4x4) should be enough for year
- Might occasionally have to finish other work at home:
eg social studies

This work usually has to be completed within 1 or 2 nights.

Class Room Rules

- no graffiti - respect property
- write work presented "well, colourful, fancy titles"

We do only teaching for first half of year - then holidays

- "Recipe Book" - is to be the Reference Book for the books, eg Tastes, Punctuation, etc

Wed 9 Feb 2000

TESTS

that their tests

- kids have a "test book"
- spelling fortnightly
- maths monthly
- reading 3-4 weekly
- sound studies + sound 1 pattern
- - - - - - once per semester
- All questions are from their books

Group classes

- not to be in split classes two years in a row.
- kids in split classes are those considered to be able

(27)

to work independently

Excursions

- 1 per term. This term is about farming
kids will go to shearing shed.
- environmental excursion
- eg a cave
- history tour - eg Warrump House.
- will also be small local walks (near school, eg on beach).
- small costs involved.

Computers

- class has 2 connected to Internet + 1 that is not.

- doesn't allow them to play messy games on computer.
- "thinks" there is ~~some~~ "protection" to prevent kids accessing "neties" by computer.

DISSENT

- doesn't expect to have problems with this class (better than last year).
- (i) verbal warning
- (ii) name on board
- (iii) a few lines
- (iv) school system (go to another room)



Will contact us if a problem recurs.
 or if "severe" incident
 Approach Rod if ever
 concerns.

(29)

~~28~~

TO SEE HRM

- Morning not good
- After school is best time.
- Call the office if want to make time to see him (eg at end of that day).

SEATING

- every Mon, pull names out of a hat for seating.

"PAYS"

- 1 session (70 mins) per week.
-

Advice from Ray Freeman 10/2/99

- 1 part Roundup
to 15 parts water

- Follow spray until it
is dripping off.

- detergent (Kitchen)
soln 1:400

(capful of detergent
per a 15 litre
backpack)

① The Times History of the World -

Super

"New Edition" 1999

"Dymocks" \$120-00

"Booktopia Singapore" \$120-00

②

Medwest

~~The English Speaking Encyclopedia~~

~~1999~~

~~\$59-95 @ Dymocks~~

③

Macmillan "Word Atlas"

Super

"The Atlas for the 21st Century"

Dymocks - \$120-00

(33)

(4)

~~Phillips "Atlas of World History
1999~~

Less attractive

~~Dynabook \$95~~

Less attractive than ①

(5)

" " Millennium World Atlas

Super Speed
Answer format to

③ but also has
satellite images,
plus CD with
satellite maps with
chart.

Dynabook \$175

1999 (I think)

(34)

Fri 11 Feb 80

report at
7.51 am

Verse

+1.950 w/s

1.990

-1.950

- A4D

+1.870 d/s

+0.04

change then (direction?)

copying brown colour,
appears to be blackening,] w/s
low visibility

greeny

green - few smallt myshen
(within 50 m of gate)

13 pelicans 10-200 m up
egrets + cormorants

Wannep

+0.06 m

w/s

+0.00 m

d/s

0.06
-6.06
-6.00 m A4D

6" gap at bottom of fleg. bridge is out!

(35)

Sat 12 Feb 2000 report at
7.54 am

Verse

type $\left[\begin{array}{l} + 1.960 \text{ u/s} \\ + 1.880 \text{ d/s} \end{array} \right.$

~~Pass~~
$$\begin{array}{r} 1.990 \\ - 1.960 \\ \hline + 0.03 \text{ m/s} \end{array}$$

Gentle leakage thru gate (direction?)

empty, shiny bottom
seems a bit cleaner.

junk a lot of broken

(gauge) $+ 0.07 \text{ m}$ ✓ ~~0.06 m~~ u/s

~~7.56 am~~
$$\begin{array}{r} 0.07 \\ - 0.06 \\ \hline + 0.01 \text{ m} \end{array}$$

(tape) $+ 1.310$ d/s

Fast leakage out - fly
open one foot at bottom

seems a little cleaner

Set 12/2/00 contd.

36

No visible fish activity at
all ups or d/s.

Sun 13 Feb

0707

Wase estuary floodgates

+ 1.985 m

u/s

+ 1.810 m

d/s

0.996
- 1.985
+ 0.005

couldn't discern direction of flow.

Quite a lot of mullet upstream
(0 → hundreds of meters)

Hundreds^{of mullet} rather than thousands

Wonneys Estuary floodgates

+ 0.05 m

u/s

+ 0.08 m

d/s

0.05
- 0.06
- 0.01

Activity in

Few mullet ups

(36)

Mon 14 Feb 2000

→ 7.13 am

7.10 am

Vespa flanged

1.960

u/s

1.990
- 1.960
= 0.030 m
A.D.

1.730

d/s

lecting in.

u/s Hedges of fish activity - jumping
fry in mass - springs of
water - mallet jumping, also
O → hundreds metres upstream.

Phytoplankton sample of test water
is probably going to be given.

Wang Jales

Gauge

0.04

u/s

0.04
- 0.06
= 0.02 m
A.D.

0.14

d/s

fast beaver than

(38)

Colour less green above green.
So much older due to
flow in.

Water in the ponds
of mudflat.
Some schooling at
breaks.

No stressed fish.
Many birds.

(39)

Verse using plugholes
at 1615 hrs on Mon
14 Feb 2000

? w/s (sum + 0.08)
+ 0.56 m d/s

Water being in strongly
past boards is most full
bags.

Hundreds of inlet mallow
against boards in bags
1, 2, 3, 4, 5, 6,
7, 8 (reverse flow bag), 9,

(40)

10, (all bags of
strongest leachage)

Stronger with flanges

+ 0.03 m u/s

+ 0.52 m d/s.

at 1627 hrs on 14/2

Scenes of mallet mulling at
bag with boards missing.
Water leaking in.

(41)

Tues 15/2/2000

Verse asking flounders

First schools of live mullet
(many 100s) around at
flounder area (w/s)
by 9.30 - 9.45 am

15/2/2000 ⁽⁴²⁾
Contd

1015 finished collecting
fish from 8 boats.

1030 Dissecting photos
Dunk
Foot

Phone messages.

8.53 am - over

9.44 am - Kim Fisher
(Fosteris) - White
Laying? Out of
town & this afternoon.

1041-42 : 26 (N side)

1046-47 : 56 (S side)

(43)

15/2 Contd

1048-49 : 55' (N side)

1050-51 : 120 (S side)

1052-53 : 85 (N side)

~~1154-55~~ : Plot^{thru} of fish song N

1052-53 : 130 (S side)

1054-55 : 60 (N side)

1056-57 : 125 (S side)

Reckling mass of fish on up/s
side of other bay(s).

1115-16 : 75 (N side)
~~1148-49~~

1119-20 : 120 (S side)

1122-23 : 145 (N side)

✓ 15/2 Contd

(44)

1127-28 155 (south)

1130-31 150 (north)

1132-33 155 (S. side)

1134-35 105 (north)

1136-37 155 (south)

- ~ 2% of mullet migrating
through are 50cm+ fish -
this size class was not
killed.

1139-40 130 (north)

1142-1143 145 (south)

1145-1146 160 (north)

1148-1149 155 (south)

1153-1154 160 (north)

(45)

15/2 Contd

1157-58

135 (south)

1200-1201

160 (north)

1202-1203

140 (south)

1210-1211

155 (north)

1212-1213

170 (south)

1218-1219

130 (north)

1220-1221

170 (south)

1223-24

115 (north)

Lunch

1256-57

35

(S)

1258-59

30

(N)

~~1256~~

1300-1301

60

(S)

W W W

15/2 / ^{H/O} until

1302-03 : 26

(N)

1304-05 : 50

(S)

1306-1307 : 50

(N)

1308-09 : 46

(S)

1310-1311 : 33

(N)

1312-13 : 30

(N)

1314-15 : 30

(S)

1316-17 : 0

(N)

1318-19 : 0

(S)

1320-21 : 6

(N)

1322-23 : 8

(S)

(47)

18/2 Contd

Vane wing plumb line
ganges

at 1325 hrs on 15/2/90

1.965 u/s

1.475 d/s (+0.43
on gauge)

1447-48: 2 (N side)

Water level $\frac{1}{2}$ high (high tide) on
u/s side. Water ~~high~~ on

1449-50: 17

(S side)

1.970 u/s

to $\rightarrow$ 1.370 d/s
+0.535 on on gauge

1450
hrs

15/2/00 ⁽⁴⁸⁾ Contd

1443-4 : 1

(N side)

1443-4 : 4

(S side)

1445-46 : 1

(S ~~side~~ side)

1445-46 : 1

(N side)

1447-48 : 9

(N side)

1447-48 : 1

(S side)

1458-59 : 8

S side

- all 8 bigger than 40 cm.

1504-1505 : 1

N side

1507-1508 : 10

S side

1509-1510 : 7

N side

- all very large again.

(49) N  15/2 Contd

1511-12 : 4, (S side)

1513-14 : 3 (N side)

1515-16 : 0 (S side).

fish
no longer swarming at
F/G boards.

1517-18 : 3 (N side)

1536-37 : 0 (S side)

@ 1542 hrs.

1.950 w/s (V. small)

1548-49 : 4 (N side)

1550-51 : 0 (S side).

1552-53 : 5 (N side).

15/2 Contd

(50)

1554-55 : 2 (S side).

1556-57 : 6 (N side).

1558-59 : 1 (S side).

We closed the flap
valve at 1605 hrs

(it ~~has~~ had been opened
at 0800 hrs)

→ 8 hrs (approx)

the max "allowable" under

the government guidelines

1630-1635 - Inspected

mouth of Wonnup Inlet.

16/2/80

(52)

M

100

100

100

100

79

100

19

2

137

117⁰⁰

1

855

B

58

~~58~~

37

42

204

2 very large
Sea mullet.
//

(53)

Lowered the reverse flaps
valve by removing 2 boards.

(it had been a km above water
level w/s)

Mullet

Brian

65

28

117

74

182

102

(54)

17/2/00
Vase's wing flange (S. E. bat)

top measure

+ 1.980 w/s

+ 1.840 d/s

1.990
- 1.980
+ 0.01 m
AND

Wings's wing flange

+ 0.02 w/s

+ 0.04 d/s

gang + reading

0.02
- 0.06
- - 0.04 m. AND

(55)

Versa copy floatgates
at 1410 hrs on Th 17/2/08

Remnants of ≈ 20 dead fish
(mullet + bream) against
the floatgates

Most are in brown - ^{olive} green -
yellow scum barbed 0.6m
against the gates.

gauge (d/s) reads
 $+ 0.495$ m.

Water leaking in.

Water colour is
brown (u/s) and green (d/s)

No fish visibly visible
at all upstream of
the floodgates.

No dead fish visible along banks up to

Wings along floodgates
at 1420 hrs.

several 1000 (?) ~~small~~
mostly small (10-15 cm)

mullet schooling 5-20 m
upstream of floodgates.

Tens of larger (30+ cm)
mullet well there.

Water backing in
against NW wind. Fine + hot.

(57)

The fish appear healthy.

Some flapping out of water

Water olive green.

Can see bottom - but not
clearly.

Estuary View done at 1435 hr
on 17/2/00

- no dead fish.

Sat 19 Feb 2000

0710 km

Verser Estuary

type
measure

+ 1.980 m

+ 1.890 m

1.990

- 1.980

+ 0.01 m

ADD

quite a lot of leakage out

Womby Estuary

type
measure

+ 0.01

+ 1.330 m

0.01

- 0.00

= 0.01

ADD

leakage out - gate open
4" by pressure of flow

(59)

Sun 26

7.06 am

Vase Eling flongello

+ 10.995 m
10.850 m

quite a lot of leeches
out.

No fish activity at all up
Quite a lot of fish

Wanvamp

+ 0.001 m
0.000 m

not leaving out.

> 1000 mallet schooling
being slowly near
flongello

(60)

Wangp strong floodgates
ganges

at 1323 km on 21/2/2000

ganges $\left[\begin{array}{ll} +0.03 \text{ m} & \text{u/s} \\ +0.50 \text{ m} & \text{d/s} \end{array} \right.$

(65)

Photo (64 next) from
approx ^{No} 12 to No 19
of mullet at gulls at
Wangy estuary at 0900
- 0910 hrs on Tue 22/2/00

Wader Survey with Alan
Clarke. Thu 22/2/00

1000 hrs - start Pelting Creek
from Kynan Rd.

BW Still: ~~42~~ 43,

22/2 contd

Bf Plover: 1 ♂ 15, (62)

Greenlets: 1, 6,

Wid: 1, 2, 1 (Wid found to be Woodsp)

1 ♂ + 1 ♀ Black-thr. Teal with
some Grey Teal

1 ♂ Blue Bellied Duck

PeBD, Swam, Snds, Sec I, WFAH,

→ 6 PeBD, 3 Hawks, 6 Coot, 6 YSSS, CPC,
1 Steel,

Approx 30 YSSS + 5 Sec E roosting
in dead trees of Abbe River
(close to Murrumbidgee Cr).

(63)

22/2/00 Contd.

At the current Vase estuary
water level (1040 hrs)

Malbays is shallowly &
narrowly connected to the
Vase estuary -

4 MAND

From South side - 1100 hrs

1 Wood Sandpiper + 1

42 → Total = 4

Estuary View Due at 1130 hrs.

BW SHOT : 8 24

Count = 6

22/2 contd

(64)

1200 →

64 Wfth - one flock
white Vase rising in
movement (1210 hrs)

1 Gork with them ↗

1 Gork at shoreline on
ground

1300 hrs West of
sandy lagoon
2 RCP

396 BW SKH.
in white lagoon
(1330 hrs)

62 RCP

(65)

22/2 contd

5 Gerts on N side
of Legume (at E end)
at 1337 m.

2 Reeps on N slope.

Find Rd at 1350 m

West side (soaking)
is dry (damp mud)

East side

1 Gert.

Pioneer Cone (Red Cone)

no water. 1400 m.

(66)

"

"

Less East gauge

plate reading by Allen

(on 22/2/00 at 1100 hrs)
sandy

+ 0.30 m

Lot 610019.xls

68

13394

12 | 1 | 2000
(11.55m)

→ 1 | 2 | 2000
(00.00)

1 | 2 | 2000
(00.00)

→ 22 | 2 | 2000
(12.35)

14724

2nd 610019.xls

(69)

Wed 23/2/00

Swiss report

Vase

type
measured

[2.010 u/s
1.635 d/s]

virtually no fish activity

Wamp

large measured

0.00 m u/s

0.22 m d/s

decreasing vegetation

at least 1000 mullet

water clear

189
183
1/2

(70)

Whorwump Estuary Waders
Survey - Wed 23/2/2000
(Loon Glen Clabur)

Start at NE end - we
do "S" shore, then do
"N" shore.

Started at 0920 hrs.

Beetle 189, 61, 7, 20, 8,
33, 12, 7, 33, 2, Total: 372

Gulls 3, 1, 1, 3, Total 8

Sts_p 17, 3, 22, 20, 3, 1,
Total: 66

Chimp 2,

RedlegP : 7, 1, 2,
Rn Av : 6

(71)

Colony Sites = 4 at
1000 hrs

End of J (E) at 1024 hrs

Start J (C) at 1035 hrs

BW Stalk: 4, 16, ~~104~~,
15, 5, 8, 5,

Rn Av: 85, 277,

Coek: 7, 5,

1105 hrs - leaving - nest.

Just one feeding in the
shallow here. I am

approx $\frac{2}{3}$ of the way along
J (C) (from NE to SW).

One flycatcher out of
the water - probably mistle.

(72)

Sts $p = 2,$

Genk: 10, 4,

Start J(W) 1130 hrs

DW Start = 4, 10, 37,
171,

Genk: 1, ~~20~~ 12, 3, 3

End of J(W) - 1150 hrs.

Start Mulling Creek (E)

1 Genk

End Mulling Creek (E) at

1210 hrs

(73)

Fri 25 Feb 2000

1120 am

Vena d/s

type = 1.705
measured

0.795

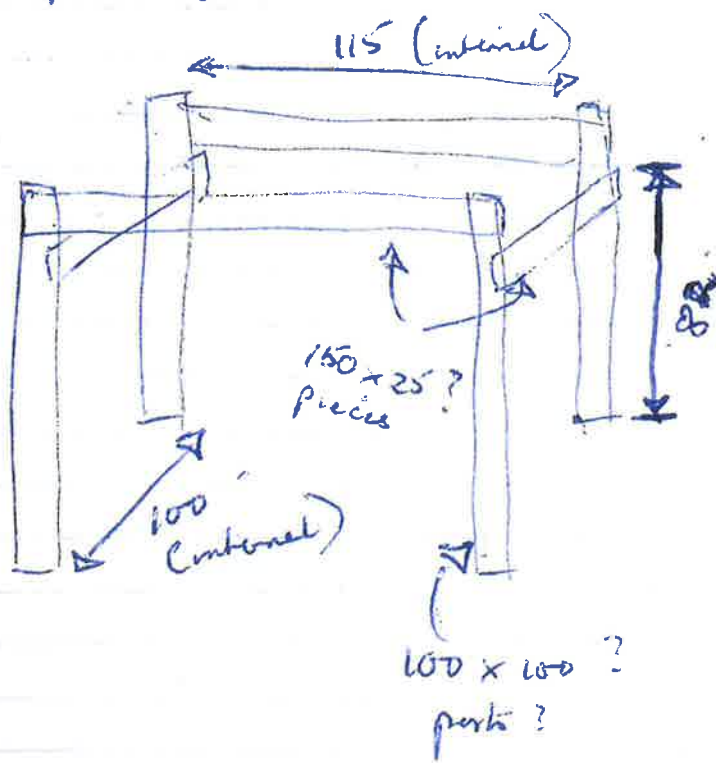
1.000
0.795

0.205 on gauge plate

74

123 long x 98 wide
(834 long)

Top length is 82 cm



$$\begin{array}{l} 4 \text{ parts} \times 1 \text{ m} = 4 \text{ m} \\ 2 \text{ horiz.} \times 1.4 = 2.8 \text{ m} \\ 2 \text{ " } \times 1.2 = 2.4 \text{ m} \end{array} \left. \vphantom{\begin{array}{l} 4 \text{ parts} \times 1 \text{ m} = 4 \text{ m} \\ 2 \text{ horiz.} \times 1.4 = 2.8 \text{ m} \\ 2 \text{ " } \times 1.2 = 2.4 \text{ m} \end{array}} \right\} 8.2 \text{ m.}$$

(75)

6 x 180 mm Salt
5 x 100 mm Cold
screw

4 x 5 1/2 - 6 # 4

4 x 6 1/2 - 7 "

(76)

Sunday 27 Feb 2000

Heard 7:45
am

Casse Flaggies

2.030 m u/s

1.880 m d/s

moderate leech out

blooming upstream
very few fish u/s

Whump

$\ominus + 0.02$ u/s

$\ominus + 0.02$ d/s

not $\oplus$ leeches into estuary

storm starting
many fish - dr.

0.02
- 0.06
= -0.04
- 0.08
= -0.08

(77)

Mon 28 Feb 00

received 6.57am

Vespa

2.040 u/s

1.810 d/s

2.040
+ 1.810
= 3.850

no discernible flow - looked carefully.
olive green u/s - bloom.
fish everywhere!

Worms

- 0.03 m u/s

+ 0.07 d/s

0.03
+ 0.07
= 0.10

fast decay in

No fish gathering in upflow

Many fish further u/s

Water fairly clear.

—————

FROGS

78

Fri 10 Mar 2000

Cyclone Steve (category 1)
is heading down the coast
towards Perth. A large
rain in Bunelton overnight
(9/10 March). A morning
frog (H. agree) hopped
into the main passageway
of the house at
0845 am this morning
(front door had been open
for some minutes).
This is the first H.
agree I have
seen this year
and this is the first
year for some weeks
at least.