

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)_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)

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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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<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
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)

Nº 30

Jim Lane
Digit. Comm
B.S. n

.55



Note Book

96 PAGES

No. 561

SEP 98 → Dec 98

ESSELE

Tues 15/9/98 + Wed 16/9/98

(1)

Leke Duvos 6.05 pm

Tues
15/9/98

PcDD - at least 2

Ans66 - " " 1

several *L. g. dorsalis* leaves

" *L. m. adalensis* "

ginger roots

4.79 m at 6.10 pm

plt = 8.6

checked

Leke ~~at~~ Jasper

8.45 am

16/9/98

9.49 m

plt = 6.9

checked

many *L. adalensis* leaves

some *C. georgiana* few *L. g. dorsalis*

(2) Wed 16 Sep '98 Central

Wilson

— 10 am 16/9/98

depth = 3.82 m

pH = 4.72

calibrated

Merrygo

1255 hr

depth = 6.28 m

pH = 7.82

calibrated

Boat Horseshoe Lake

depth = 0.98 m

4.15 pm

pH = 8.41

Wed 16 Sep (end) + Thurs 17 Sep 98 (3)

Owngip 1655 hrs 16/9/98

Water level is 19 cm (0.19 m)
below top of star pocket

depth gauge reading
is 1.59 m (chopp)
pH = 6.19

Powell 6.25 pm
0.42 m

pH = 8.73

Mocha 0350 am 17/9/98
4.55 m
pH = 6.9

(4) Thurs 17 Sep 98 Contd.

Pleasant View 1055 hr

~~1.08 m~~

1.08 m

pH = 6.60

both correct.

Meadow Swamp (1215 pm)

depth = 1.08 m

pH = 6.11

Yellings 1335 hrs

depth = 3.13 m

notebook → strong W wind

blowing

pH = 8.63

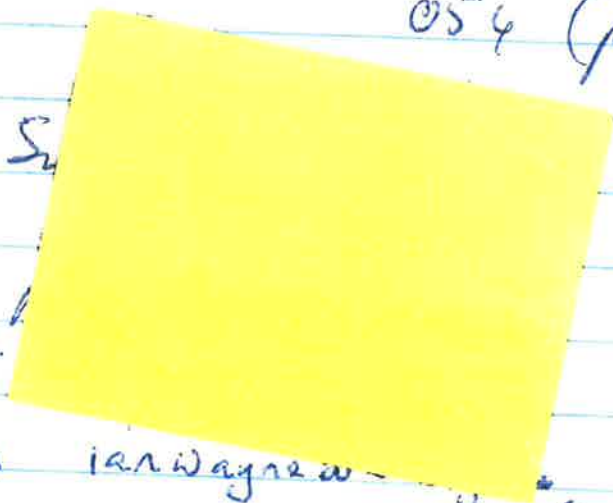
Two in situ P samples.

Yellings Data (5)

Jan + Jan Freecork.

08 98 366 015 (Jan)

054 (Jan)



Jan Wayne

com, all

TO DO 

Yellow Data (5)

Ian + Ben Prescott.

08 98 366 015 (fex)
054 (ph)

Sung Rd. Gardner

Kmed.

Δ Ian Wayne Albany is a com. acc.

TO DO ↑

⑥

The 17 Sep 98 contd

Albany ~~A~~ 26385

prolonged (c. 10 sec)
whirring noise of type
of small crane (?)

Depth = ~~0.8~~ 0.81 m
(~~at~~ deepest gauge)
at 1615 hrs 17/9/98

pH = 6.78.

White Lake Albany

depth 0.67 m

pH = 5.9
(calculated) at 1715 hrs
on 17/9/98

(7)

For 18/9/98

Knorrup

0.57 m

1005 hrs

pH = 9.88 (calibrated)

Knorrup

1140 hrs

depth = 0.53 m

pH = 6.26

Frogs here are numerous and
very vocal. Most abundant
is Litoria adelaidensis.

There is a "show squelch"
froglet. There several Lym.
borroloobis.

8

Lamp - 1230 hrs
depth = 1.06 m
pH = 7.04

Amur - 1.25 pm
depth = 1.55 m
pH = 8.07.

Benny

2.40

1420

pH = 8.41

Muir

0.84

1450 hrs.

pH = 9.50

Fri 18/9/98 Cont'd. (9)

Parragump

0.62 m 1545 Lm

pH = 5.71

Tandik - Gump 1605 Lm

depth = 2.49 m

pH = 8.36

10

5/5 WLE $\times 18$ mm

Wed 30 Sep 1998



...
...
... at
... central
... at 6.30 pm.

Cool evening. Some wind.
Some cloud.

Drove in Sydney to
Pioneer Cove, walked along
punctured track to Verre
Rive / Estuary. Looked
for frogs at zone 6.50-7.15
pm (last light). Heard
mainly Litoria adelaidensis
and a few Lymnodynastes

Wed 30 Sep 1998

Frogging

Met Elizabeth Andrews,
Jenni Jones & Suzanne -
(TAFE student, foreign) at
Pouss Avenue, central
Brisbane at 6.30 pm.

Cool evening. Some wind.
Some cloud.

Drove in Lyne to
Pioneer Cove, walked along
fence line next to Varre
River / estuary. Arrived
for frogs at approx 6.50-7.15
pm (best light). Heard
mainly Litoria adalesthenis
and a few Lymnodynastes

(12)

WLA 30/9/98 ^{Contd.}

100 + m ~~away~~ away.
Heard no other species
of frogs.

Then drove to Bsn.
Cemetery at 4 mile. Hill.
Parked car at S end of
cemetery and then walked
c. 150 metres further S
along Vasey Hwy (towards
Merrim). Extreme
incubated areas on
left through brush.
Guess to be old sand
mining area. Spent
approx 45 mins in
this area listening
to frogs and trying to

30/9/98 contd

13

catch frogs. Heard
few species. Mainly
L. adersensis, also
Lym. dorsalis (several),
Cornu magister (several),
Cornu glauca (several)
and some Litane mome
Saw one tadpole that
looked like Heteroporus
cyrti, several of
Cornu sp (light brown
mottled appearance).

Then drove back to
Bor stopping frequently
to listen for frogs.
Heard some species ~~later~~

30/9/98 contd

~~at first light~~ (some
view from the evening)

but definitely no

Corvus glaucus,

therefore to state that

(opposite Lindner Rd)

~~was taken~~ is

closest record to

Central Bsn (Post

Office) that I have
yet.

Came to Crocodr Glen
at end of Melling St.

30/9/98 contd.

(15)

Disturb from vehicle.
I heard many loud
letting out sounds and
a few (?) L. dorsalis
(faint, distant).

Then returned to
Powers Ave. Must
have finished around
9.10 pm.

→ Didn't make any
recordings tonight.

Need glasses, microscope,
light, meg-glass, spurn,
white bags for ladders.

(16)

Also an ID guide
in the morning day.

Fri 2 October 1998



longer
0.64
page)
page + 0835 hrs

All boards are in place
but seem to be set

to widely differing
heights in some cases.

Water level is above

the top of the boards
in most bays. Water

is partly leaking into

the exterior part the

(closed) steel plate valves.

Fri 2 October 1998

Lowings estuary floodgate
gauge reads $+0.54$
m (Hutchings gauge)
New WRC (?) gauge to
abrogate reads
 $+0.67$ m AHD.

All brash is in place
but seems to be out.

Is widely differing
heights in some cases.

Water level is above

the top of the brash
in most bays. Water

is partly backing into
the estuary past the
(closed) steel flap valves.

These ashery phenotypes
to 0.845 have been
198.

to large gauge
named. New

WRC (?) gauge
on upper bank side
reads + 0.69 m AHD

New WRC (gauge) on
down bank side reads

+ 0.69 m. (right of
main on two lines).

+ 0.73 m AHD.

Bank water is flowing
sally out! (ie "uphill")

All boards given to
be in place in all

Viewed along floodgates
at 0845 hrs on
Fri 2/10/98.

Old Water Laps gauge
has been removed. New

WRC (?) gauge
on upstream side
reads $+0.69\text{m AHD}$

New WRC (gauge) on
downstream side reads

$+0.69\text{m}$ (maybe a
mistake on two times).

$+0.73\text{m AHD}$.

But water is flowing
silly out! (i.e. "uphill")

All boards given to
be in place in all

bays. Water level
is above all bays
in all bays.

Wind is light WSW
(first calmest day
after $1\frac{1}{2}$ weeks of
strong N-WSW wind -)

Donkey Island mouth
at 0855 hrs on 2/10/98

2nd sand bar is closed
and doesn't appear to have
been overtopped at least
yesterday. G

Channel c 2 m wide
has been dug through
this bar but is now
full of sand and ineffective.

(20)

Fri 2/10/88 Carter.

Donner above ground
around edge of Rott
Jungled directly
at 0800-0810 hrs.

11 ~~Disturbed~~ 1 ^{Eastern} Cuckoo
with 1 Whitehead from
bank and adjoining wetlands.
Flew 3 times. ~~Disturbed~~
Didn't have binoculars.

Only got as close
as 150-200 m.

Brownsfield Nature
Reserve

Fri 2/10/98

1255 pm.

15-garage

Second & 6th

1 pr. swan with 4 med.

downy egrets

Pacific Blue Ducks

Little Pied Cormorant

Swan board

- with 5¹ medium sized downy egrets
- " 6 med., downy egrets
- " 3 med. downies
- " 4 small, downies
- " 3 large downy.

(22)

2/10/98

Contd.

Small grebe - 14th grebe
S. horn Grebe

- Northern Kestrel - 1
- Shrike - 1
- 1 Whistling Vireo
- 1 White-throated Sparrow
- Coot 1
- Gray Tail 1

1 ♀ Shel with 11 large
class II ducklings

1 ♂ BeED with 6 large class I
ducklings

1 ♂ Duck - 2 ♂

1/6 Sparrow - 2

1 Conest Egg

1 pr Shelduck with
4 Class III ducklings

1 Pied Stilt

Swans with broods of
- 5 large downy
- 3 small - not downy
- 4 medium downy

1 Pe80 with 5 Class I (large)
ducklings

Painted Duck - 1

(24)

Broadwater

Daptho gauge

= +0.92 m

at 2.40 pm (2/10/88)

Took 3 water samples:

— Salinity

— Tot P (filtered)

— " " (unfiltered)

pH = 9.38

1031 am 14/10

9430 8611

0417971428

Roger J.
KMW

02625 00979

675 13401 47pm

pro
12v - what?

Power supply?

Power.

93053204

1031 am 14/10

9430 8611

0417971428

Roger J.
KMW

0262500779

62513401 47pm

plain
12 ✓ - where?

Peter Sherry?

Funny.

93053204

(26)

Cong Teal Race (New River)

P2BD



Coot - 3 broods each of 2 orange-headed chicks.

Silver Gull

Musk Duck - 1 ♂

Little Rock Cormorant

Yb Sparrow

Cornish Gamecock - 1 with black beak and green face.

White-faced Heron -

Shelduck



^{Musk}
~~Shelduck~~ Duck - 1 ♀ with 1

Class II ducklings.

Shoveler - 1 ♂, 1 ♀ (pair)

Hindhead - 1 ♂, 1 ♀ (pair)

Blue-billed - 1 ♂

Grey-Back - 2

White Ibis - 1

▶ Pint-necked Duck - 1

Dusky Moorhen - 2

2 fighting + calling - 4 hrs

on the water
2 heard Red Capped Manakin call.

Black Swan -

* 3 large feathered YB Spombill young
in nest in Melaleuca tree -

biggy food from 1 adult.

Night Heron - 1

Little Black Cormorant - 1

* Feathered LPC chick in nest
near YB Spombill being fed by
adult LPC.

* 2+ PRBD ducklings (Class I)

(28)

1 ♀ Musk Duck with 2 chicks
II ducklings - beautiful
view

Finished ✓ 1.50 pm (P23/10)

Total 19 species recorded

5 ~~4~~ spp definitely breeding are
15 small, MusD, Coot,
LPC, P & TD

Coastal meeting: Vancouver Report 29
29/12/88

John Woot (Don Stue) ~~23/12/88~~
Melvin Robb

Melvin Robb
Mfr of ~~over~~ ~~and~~ ~~section~~

Share \$ 18,000
Coastal \$ 30,000 } \$ 48,000

Being shared by Share of Don
Currently out to tender (4 asked,
2 rejected)

Re:
Sediment

Melvin Robb: Mfr of ~~over~~
and ~~section~~ of WRC.

"Therapies give need calm, stable
conditions, & plenty of heat"

Organization has 3 main benefits in

(30)

Terms of restoring incidence of
yful worms

- nitrogen - "brown off"

- carbon - "chew up"

- phosphorus - "bind"

1998
December 17 K_p - Minister
to "green" riparianity of Verde
River

Will use O₂ cylinders

\$40/day for O₂ on Canyon River

Vase River - junction -
 ponds water out - regeneration
 it - back to the river.
 "Adamair" - French company.

Tygerah Lake is a good
 example of "fabulous shiftings"
 with dredging of contents
 in Australia. There are
 other good examples.

(32)

Pioneer Cove 30/10/98

1320 pm

Blue-billed Duck 10⁰⁰

Cory Duck

Pacific Black Duck

Shaw-necked Ibis - 2

Yb Spoonbill - 1

Coot

Little Black Cormorant

Great Egret - 1 with black neck +

Silver Gull - 4 Green feet

Hardhead (2)

Moorhen

Wf Heron - 3

Swamp hen - ads + 1 juv.

White Ibis - 2

Musk Duck

Mark Warner - 1

Ford Rd 2pm

1 White Ibis + 6+

1 WFTW -

1 PABD

LBC

Great frigate

Grey Red

Shore-necked Ibis

[1 Swallow with long dang
chubs (2)

[1 Swallow with 3 long dang
chubs

downstream side of Ford Rd.

1 Little Red Cormorant.

Marsh Harrier - 1

Ford Rd 2pm

1 White Ibis + 6+

1 W. Fl. -

1 PABD

LBC

Great frigate

Gray Ibis

Straw-necked Ibis

[1 Swallow with long downy
chicks (2)

(1 Swallow with 3 long downy
chicks

downstream side of Ford Rd.

1 Little Red Cormorant.

(34)

1. *rusticolus* (L. *rusticolus*)
mosses & ferns.

From roof - in these *Ephedra*
(*sp.* ^{islandia} *sp.* ^{islandia} *sp.* ^{islandia}) - 4 *phloxes*
& *Gent. Amm.*

Hardhead

Coal.

Clematis Red *Warblers* in
the *brush*.

Slender Tree Frog *Leard* (*L. ^{islandia} ^{islandia} ^{islandia}*)
Marsh *Warbler*

Stachys + *gynob.*

(34)

1. *notabilis* (L. *notabilis*)
mosses) Leaf.

From roof - in the E. *notabilis*
(*notabilis* *notabilis*) - 4 *notabilis*
1 *notabilis*.

Hardleaf

Coal.

Clematis Red Warblers in
the bush.

Slender Tree Frog Leaf (*notabilis*)

Marl Warbler

Spore + eggs.

Leon ~~my~~ PIMA

John
Peg
PSC 306

1987 -

★
Boundary I. was
created

Set 12 Dec

★
Returned from
Expo

GEP
0418 945268

Work for Zoume

Concept picture + seven date
for Reel-Henry display:

Also - need gauge
ready

(38) Fri 20 Nov 98

New River

12.40 pm

(Grey Teal Place)

Coot — also 3 red-faced
chicks.

— 1 with 2 $\frac{3}{4}$ -size chicks
without red face. All grey.

White Ibis ~~22~~ ≤ 10 low tens

Glossy Ibis — 1

Dusky Moorhen — 1

Yellow-b Sparrow ~~22~~ low tens

low ^{low} Little Pied Cormorant - 2

several Blue Duck - 1
1 with at least 6 eggs
(Class I?) ducklings

Northern Night Heron - 4

low ^{low} Yb Spotted - 1 nest with 2 very
small (1-2 days?)
chicks

low ^{low} Little Pied Cormorant - 1 nest with 2 large
(almost fledged) chicks

↑ 1 nest with small mixed
chicks (2)

Pink-eared Duck - 3 (+?)
Class I ducklings

Australian Grebes - 2

Swan - 1

Maned Duck — 2

Silver Gull — low tens

LBC — several

Cong Teal — c15

Hardhead — 2-4

Purple Swamphen — 1

1 Caneet Egret — black bill,
green face, pink-red top part of
legs, many plumes on back.

"Flying shrike" - green-yellow head,
dark orange body, blue tip to tail

Toddler - long tapering tail.

Formed at 2.25 pm on Fri 20/4/98

Yb Sparrowhawk - incubation book series

17 APR 2001

incubation period 26-31 days.

"Nesting Period" - "perhaps c. 5 weeks
but not clearly determined".

Name of flying shrike.

Verse string floatgates
 gauge (new) reads
 $+ 0.36$ m at 1300
 hrs on Thurs 26/11/98

(new
 gauge on downstream side reads
 $+ 0.15$ m.)

Water level below all boards.

Water ~~between~~ flowing out.

Clogged Ruygen (green/yellow)
 exclusively 2-3 m upstream of
 gates.

Boards in all bays except
 N° 8.

No 8 has reverse plug (new)
installed (+ closed)

2 Comm Snappers, 1 doctor,
1 LBC, 1 Great Egret
all on platform structure.

Moderate SW ~~1/2~~ wind.

Water colouring upline of gables
is dark brown.

Water on downline side looks
more greenish.

No fish (large) visible on
upstream side. ~~constant~~
~~on downline~~

42

7 floodgates
needs

+ 0.30 m at 1300

low on Thru 26/11/98

(new
gauge on downstream side needs
+ 0.15 m.)

Water level below all boards.

Water ~~leaking~~ flowing out.

Clogged Saggas (green/yellow)
evidently 2-3 in system of
gates.

Boards in all bays except
N° 8.

(44)

Water is leaking out from
~~just below~~ the thru many
logs along the boards.

Womany early / plunged
at 1310 hr on 26/11.

New gauge reads
+ 0.18 m.



Water level below all boards
Slight trouble out

Old gauge reads + 0.14 m
(measured).

Spring Inlet mouth at
1320 hrs on Th 26/A/98.

Water flowing out thru narrow
channel in sandbar.



shallow

5 m wide at narrowest &
c 20 cm deep at ~~shallowest~~
Inlet end.

Channel is 30 m (precisely)
NE of single "bollard".

Mud in sand (berms of
Inlet) show water level
rises in Inlet at high
tide.

46

Vase Stream - Boise

River entrance

Sat 28/11/98

0650 hrs.

Pelicans

Black Duck

Bea Silt

Sheldrake

Little Red Cormorant

Large Red Cormorant

Black Swan - large Cossid
egg

Straw-necked Ibis

Grey Teal

Snowy Plover

Little Black Cormorant

Silver Gull
 Yellow Sprockell
 W. Tern

Gulls

1 Peep with all legs
 Cross II ducklings

3 Hardhead

1 ♀ Shrike

White Ibis

Marek Duck

Muck Duck

Dander

Whiskered Tern

French 8:15 am

(48)

John Dwyer - Agn - 1/12/98

John Coventry - Curator of
Hingeology

Albertusburg House
Museum of Victoria

Cedrick Long for
Victoria.

Richard Pickett - 0.25 million

tonnes of salt flowed into the

~~Blackwater~~ Lake

Dredging in 1996 (+97)

from the Coburne.

Dredging began in 1896 (1st
full year).

Richard Pickett.

Whole of Australia red plotted
in 1982. B+W.

Held by DOLA

Imperial scale approx 1:25,000.

"Photogrammetric Section" ? of DOLA.

or "Interrogator" - data gathering
of all digital data in the
State - all mapping &
air photos indexed. CD Rom

HALIS - CAM Mapping Section
should have - handy.

(50)

empty floodgate

0.09 m AHD

at 6.25 pm on

Tues 1 Dec. Water
drinking in

Van using floodgate at 6.35 pm

new [0.375 m upstream side
0.275 m downstream side

⇒ water drinking out

extending
Algae 2 - 10 m upstream
of gates (clogged)

Strong SW wind.

(50)

Wings of ^{new} floodgate
fence needs
+ 0.09 m AHD

at 6.25 pm on

Tues 1 Dec. Water
leaking in

Wings of floodgate at 6.35 pm

new [0.375 m upstream side
0.275 m downstream side

⇒ water leaking out

extending
up 2 - 10 m upstream
of gates (clogged)

Strong SW wind.

Wharfedale Inlet mouth
 at 6.40 pm on
 Thurs 1/12/98. Water
 flowing in fast. Have cleared
 approx 8 m wide at narrowest
 point & c 25 m N.E. of
 point. See level must
 be close to high tide.

Vasey Estuary -
 Roushleigh Rd.
 Fri 4 Dec 1998 0645 hrs.
 Greenshank
 White Ibis
 Grey Teal
 Shelduck

(54)

Great Egret
Black-necked Stilt
(adults + juveniles)

Tom Moore saw a pelican
feeding frenzy (c 40 pelicans,
+ 150 Egrets, 100^s gulls)
on Tues, Dec 1988 -
in front of Estuary View Drive
This was at c 5.30 - 5.45
am. First "feeding
frenzy for this summer."

Fri 4 Dec contd.

Little Pied Cormorant
Silver Gull.

Black Swan

Little Black Cormorant.

White-faced Heron.

Petrel

Coot

Regent Parrots (♂ + ♀)

Caspian Tern.

Snowy Heron.

Black Duck

Marsh Terns

Muskrat Duck

med. large brown eggs

1/2 Sparrow.

Muskrat Duck (♂)

(56)

12456

97504331

Geo Gold Bsn

Caroline Schuriger

97210666

WMC Building

Jenny Dismant?

Kahn

Mobile

041 792 7438

Vase Ely phragmites
gauge (new) needs
+ 0.24 m at

0602 hrs on Thurs 15/13/88

Donation + 0.30

Water l

Severe green sgd
seen on surface upstream.
Few birds upstream
No will.

No surface seen on channel
side.

Vase Eby *fragilis*
 gauge (low) needs
 + 0.24 m at

0602 hrs on Thu 15/12/88

Donnerstag gauge needs + 0.30

Water looking in slowly

Severe green sgd
 seen on surface upstream.

Few birds upstream

No wind.

No surface seen on channel
 side.

(58)

No fish activity (on dead
bottom) of goby
either.



phrynosoma
ganga (hilo) nests
+ 0.13 m at
0610hrs.

(christian ganga nests
+ 0.25 m)

Water level in study

Water clear - no surface
scum.

Some bycatch fish.

(58)

No fish activity (on dead
fish) upstream of gate.
None downstream either.

Downy esky phragmites
gauge (new) reads
+ 0.13 m at
0610hrs.

(downstream gauge reads
+ 0.25 m)

Water level in study

Water clear - no surface
scum.

Some light fish ...

56 Egrets & Snowballs

= 32 egrets

+ 24 Snowballs

15 Pelicans

all 200 in hypobrya

At end of road across to

Desert Park at 0625 hrs.

3 broods of

7, 4, 2 Class II (diff.

ages) Grey Teal duckling

No fish activity.

End of Webster Rd - 0630 hrs.

Sheeping number (10,000 +)

of whitebait, mostly hypobrya.

(60)

Womags Enlet mouth

2C 0640 hrs on Tues

15/12/98.

Water

flowing out thru channel
which is

Mouth of claret (Sullivan)
is approx 60 m NE of
"bottled".

i Jenny Bismarck.

i netted - 4 house

right before - Womags.

Admiral Glt

Oz level good - water

clinging with SW goods

(61)

Thurs 15/12/98 0845 hrs

rang CD Mitchell on his
mobile. He told me what

has happened in recent days
(^{the} Fri last week) (see pencils on
previous page. Said I

was thinking of getting her gears
early and opening those jobs
if O_2 low (below threshold).

Charlie liked the idea. Said

I would ring him to keep him
informed of decision to pursue
this idea (after speaking to
WRC)

Rang Bethan Thakulla (WRC)

at 0858 hrs - she will

email me all the O_2 data

from the past week and ring

62

me on my mobile when she
has done so.

Ring G88 at 0900 hrs - he
is to fax me his comments on
Jane Tabet's memo. I will
[redacted] afterwards.

775 mobile

Verse today phoned at
11.12 hrs on Wed 16/12/88
read + 0.25 m (up head)
and + 0.28 m (down head)
Water is flowing out!

(62)

me on my mobile when she
has done so.

Ring GDB at 0900 hrs - he
is to fix me two comments on
Jane Catelmann's memo. I will
ring Apple Bjo's afterwards.

Jack Donnell

018 030 775 mobile

Verse today phoned at
11.12 hrs on Wed 16/12/88
read + 0.25 m (up head)
and + 0.28 m (down head)
Water is flowing out!

Water system is light
bright green. Driveway
is dark bright green &
can see deeper.

Wind is ~~light~~ moderate
from SW. Fine.

Just are feeding at
surface on downwind side
of plantlets. No clearly
visible system, ~~no birds~~.
No birds system on downwind

Break Down call

Final
~ 2 1/2 km (c 2 pm)

At Vase plantlets at c 1150 am

(64)

Homage Lake mouth
at 1125 km on Wed
16/12/88. Water
flowing out thru channel
in sand bar. — shallow.

 *fragilis*
beds
J + 0.11 m at

1140 km on 16/12/88

Dowson gauge reads + 0.23 m

1 pebble at gate.

Water clear — no algal bloom.

64

Womms Tule marsh
at 1125 hr on Wed
16/12/98. Water
flowing out thru channel
in sand bar. — shallow.

Womms edge *Phragmites*
gauge reads

+ 0.11 m at
1140 am on 16/12/98

Downstream gauge reads + 0.23 m

1 gauge at gate.

Water clear — no eel bloom.

LNC data

Vesee bloodgate - upstream

Time	Depth	DO	Temp	Salinity	pH
1155	surface	13.3	27.1	16.7	9.1
	0.5	13.4	27.0	16.8	9.25
	1.0	14.1	25.5	27.6	7.9
	1.2	0.3	25.4	28.2	7.75
	0.7	9.1	-	-	-
1202	0.8	4.1	-	-	-

Womags inlet mouth -

Water flowing in at 7.05 pm
on Wed 16/12/98.

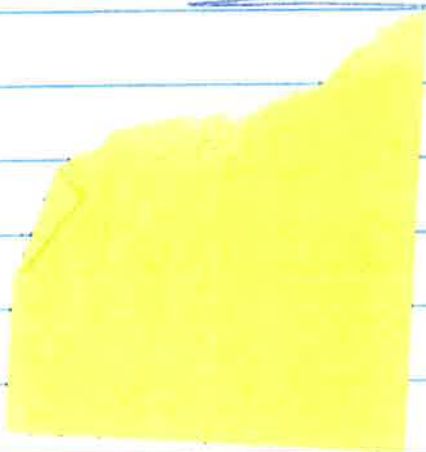
(66)

Kuntz's data

Date

Base	Vene	Winnings
17/12	0.23 u/s	0.11
17/12	0.25 d/s	9.98
18/12	0.27 u/s	0.06
18/12	≤ 0.1 d/s	≤ 0.06

Bar New bar opening
excavated by Water Corps
on Thurs 17 Dec 98



1 Set 19 Dec 98

Vespa Estuary at
Abba River access.

Black Swans

Pelican

Shelduck

Silver Gull

Blue-w SHL

Black Duck

Little Black Cormorant.

Cong Teal.

Whistly Wite

Shoveler

W F Heron

White Ibis

Ivoryhead.

Crest Egret

(68)

Straw - Ibis

Secured K. Jordan

Coot.

Mask Duck

Avocet

Swamp Hen

Yb Sparrows

Worming Esby phragmites

at 0925 hrs on Sat 18/12/98

c100-150 juv - med age

at SW end (u/s)

gauge reads:

+0.08 m AHD (u/s)

d/s - ~~cont reads~~ -0.13 m (d/s)

Water being out

(68)

Straw-n Ibis

Secret Kingfisher

Coot.

Mask Duck

Avocet

Swamp Hen

Yb Sparrow

Wings Esby Phragmites

at 0925 hrs on Sat 18/12/98

c100-150 juv - med age

at SW end (w/s)

gauge reads:

+0.08 m AFD (w/s)

d/s - ~~cont~~ ~~reads~~ -0.13 m (d/s)

Water being out

mod → strong SW wind
fine, overcast

Note that the -0.13 m
level - the inlet looks
very low - ie much
glac exposed -

Vorse only 11.10

ganga
on Sept 19

+ 0.0

Water level on

reads -0.10 m AHD

Water level out.

Waning Tidal month at
0845h - water flowing

mod $\rightarrow$ strong SW wind
fine, overcast.

Note that the -0.13 m
level - the Inlet looks
very low - is much
flats exposed.

Vorse using fluorometer
gauge at 0937 hrs
on Sat 19/12/88 reads
+ 0.225 m AHD.

Water level on downstream side
reads -0.10 m AHD.

Water leaking out.

Warning Inlet mouth at
0945 hrs - water flowing

(70)

out I have ^{just} a new cut
in sandbar.

73

Kearly Wht
3:46 pm

Womany -
on m
just fi
rete 1

Vero
Womany

Kearly Wht
e 3pm

11

Kearly White's phone message

3:46 pm Sunday 20/12/98

$$V_{\text{core}} = +0.17m \text{ (u/s)} + 0.09 \text{ (d/s)}$$

$$W_{\text{wing}} = +0.06m \text{ (u/s)} + 0.00 \text{ (d/s)}$$

Kearly White's phone message

c 3pm Tues 22/12/98

$$V_{\text{core}} = +0.18 \text{ (u/s)} - 0.10 \text{ (d/s)}$$

$$W_{\text{wing}} = +0.02 \text{ (u/s)} - - ? \text{ (d/s)}$$

Kearly White's phone message.
3.16 pm Sunday 20/12/98

$$\begin{aligned} \text{Verve} &= + 0.17m \text{ (u/s)} + 0.09 \text{ (d/s)} \\ \text{Winnipeg} &= + 0.06m \text{ (u/s)} + 0.00 \text{ (d/s)} \end{aligned}$$

Kearly White's phone message
c 3pm Tues 22/12/98

$$\begin{aligned} \text{Verve} &= + 0.18 \text{ (u/s)} - 0.10 \text{ (d/s)} \\ \text{Winnipeg} &= + 0.02 \text{ (u/s)} - ? \text{ (d/s)} \end{aligned}$$



Vorse edge fledge

Mon 21/12/98 - 1437 hrs.

~~0.2~~ + 0.175 m (u/s)
+ 0.03 m (d/s)

feeding out
light → mod NW ~~strong~~ wind

Worms Eel - 1445 hrs on 21/12

c 200 mullet (c 20 cm long) 5-10 m

system of jets. + 15 fish of c 10 cm.

+ 0.07 m AHD (u/s)

- 0.01 m - (d/s)

Mullet very 2 single school -
feeding near surface.

73

Wongy Inlet north at 1500 hrs
on Mon 21 Dec 98 — water
just flowing out at very slow
rate, then new channel.

(74)

Thurs 22/12/98

Verona Estuary phanyletic
at 1820 hrs

+ 0.195 u/s

+ 0.205 d/s

but ~~from~~ looking gently out
Moderate WSW wind,

1 dead fish.

Wonga Estuary phanyletic
at 1835 hrs

+ 0.03 u/s

+ 0.20 d/s

Water looking in.
many WOB to low WOB in
u/s side. R W-15 cm.

Much flocking of sides
Continues flocking at SW
end.

Scott Sherrylin

1 1/2 mile

Bsm 1 month

Low enforcement.

Wormy Inlet north -

- water flowing in strongly
at 1810 hrs

(should visit in another)

Man + 2 birds catching " lots
of Trawshine "

(76)

Melt Water Cays blabla
at 0730 hrs (+ Kennedy)

Vase being at 1920 hrs
on Tues 22/12/98

+ 0.20 w/s

+ 0.30 d/s

+ water developing in

some sign of fish activity
at surface upstream (5-10m)

Thick green bloom



77

Verse whay playgates
at 0653 hrs on Wed

23/12/98

+0.18 u/s +0.02 d/s

Water looking out light SSW wind

Thick green effe bloom.

Much swimming at surface.

Chipped (moss) (effe)

0-

Water side

due to gates.

I clear path (gates) on
u/s side.

Warming Esting gate @ 0713 hrs.

+0.06 u/s -0.03 d/s

Verse wharf ploggers
at 0653 hrs on Wed
23/12/98

+0.18 u/s +0.02 d/s

Water looking out light SSW wind

Thick green algal bloom.

Much swimming at surface.

Chopped Ruppia (to other algae)

0-5 m by stream.

Water also green on d/s side
due to leakage thru gates.

1 dead fish (gastropod) on
u/s side.

Warming Estuary gate @ 0713 hrs.

+0.06 u/s -0.03 d/s

(78)

to give ten 20 cm
Buoys on d/s side (under
bridge)
Mullet on u/s side.
Buoys out at 0716 hrs

60-65 more of which
flowing out over the
Lys. (2 buoys taken
out)

0742 hrs — still +0.06
on u/s side ~

Always Lilt month —
water flowing out at

Wed 23/12/98

(79)

Womwarp c. 1810 hrs

+ 0.04 m (u/s)

+ 0.095 (d/s)

Opened at 1818 hrs.

330

355

410

470

510

560

600

638

650

658

~~at 10~~
mm

Completely closed

at ~~2458~~ 1903 hrs.

(80)

Womsey Estuary floodgate gages
at 1906 hrs

+ 0.04 w/s

+ 0.17 d/s

Summary:

Opened one floodgate
from 1818 → 1903 hrs
= 45 minutes

Water flowed in over the
two remaining stop boards.

Depth of flow over ~~boards~~
boards was approx 17 cm

(boards at gauge 0.00 ~~and~~
and d/s gauge read
+ 0.17 m at 1906.

See measurements of
0.0716 hrs this morning

(81)

A total of 658
(round to 660) fish
swam out during the
45 mins. Tried
to identify species &
size when the fish
shot across the board.
but thought to be all
mullet. Only mullet
seen milling in current
on up/s side of gates
(against boards) and
great majority small
(say 10-15 cm).
Larger mullet (~25 cm)
milled against remaining
2 boards without going
out. Result.

82

time by with one
more toward taken out -

Thurs 24/12/98

Wormy Poking flange at
0940 hr

+ 0.055 m u/s

- 0.10 m d/s

light NW wind -

Vessel entering flange
at 1000 hr

+ 0.14 m u/s

- 0.06 m d/s

water looking out

Thick green effluent bloom
with surface scum on
both sides of flange

(83)

Ripped pulley system
at Rose gate

1010 - 1038 Lm Wed 24/12/98