

Jim Lane's Field Notebooks Index Contd.

(Revised Index of 07/6/2014)

<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1992 on)_50	50	(10-07-2004 / 17-09-2004)
JL_(1992 on)_51	51	(17-09-04 / 24-10-04)
JL_(1992 on)_52	52	(14-10-04 / 26-11-04)
JL_(1992 on)_53	53	(13-12-04 / 21-01-05)
JL_(1992 on)_54	54	(29-01-05 / 17-02-06)
JL_(1992 on)_	(04-11-2004 / 20-03-2005) <u>WNP Only **</u>	
JL_(1992 on)_	(20-03-05 / 02/03/06) <u>WNP, AFB, etc. Only</u>	
JL_(1992 on)_	(05-03-06 / 16-06-06) <u>SRNP, WNP, etc. Only</u>	
JL_(1992 on)_	(18-06-06 / 08-10-06) <u>WNP Only</u>	
JL_(1992 on)_	(15-10-2006 / 08-03-2009) <u>WNP, etc. Only</u>	
JL_(1992 on)_55	55	(18-02-2006 / 15-02-2007)
JL_(1992 on)_56	56	(19-02-07 / 31-08-08)
JL_(1992 on)_57	57	(31-08-08 / 09-11-08)
JL_(1992 on)_58	58	(20-11-08 / 16-01-09)
JL_(1992 on)_59	59	(16-01-09 / 21-05-09)
JL_(1992 on)_60	60	(15-05-09 / 05-01-10)
JL_(1992 on)_61	61	(12-01-10 / 08-11-10)
JL_(1992 on)_62	62	(14-09-10 / 17-09-11)

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<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1992 on)_63	63	(05-10-2011 / 11-09-2012)
JL_(1992 on)_64	64	(12-09-12 / 22-09-13)
JL_(1992 on)_65	65	(02-11-2013 / Current)

THE END (AS AT 07/06/2014)

The total number of field notebooks as at 07/6/2014 is 1 (1969-70), plus 21 (1970-84), plus 66 (1992 on), equals 88 work notebooks, plus 5 un-numbered personal notebooks (2004-2009), equals 93.

* It seems unlikely that JL did not create field notes between Oct 1984 and Nov 1992 (an eight-year gap in this series). Perhaps there are notebooks that have yet to be rediscovered (as at 07/6/2014) or perhaps JL's field notes during this period were incorporated at the time into the relevant project files (JL has a vague recollection of doing this at some stage).

** These five un-numbered notebooks (Nov 2004 to March 2009) were created in parallel (i.e. overlap chronologically) with the numbered series and were principally of personal rather than work field activities (bush walks). They have therefore not been included in the numbered series.

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 1970 / Jan 1970)
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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<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1970-84)_17A	1980-81	(01-12-1980 / 15-11-1981)
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	(20-09-1984 / 10-10-1984)*
JL_(1992 on)_1	1	(03-11-1992 / 03-08-1993)*
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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<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1992 on)_15	15	(29-04-1995 / 17-05-1995)
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 / 17-03-97)
JL_(1992 on)_20	20	(18-03-97 / 15-04-97)
JL_(1992 on)_21	21	(16-04-97 / 12-06-97)
JL_(1992 on)_22	22	(12-06-97 / 03-10-97)
JL_(1992 on)_23	23	(Oct 97 / Dec 97)
JL_(1992 on)_24	24	(20-12-97 / 10-01-98)
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	(15-09-98 / 24-12-98)
JL_(1992 on)_31	31	(24-12-98 / 28-01-99)

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<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1992 on)_32	32	(28-01-1999 / 29-06-1999)
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	(20-01-01 / 02-03-01)
JL_(1992 on)_38	38	(06-03-01 / 15-04-02)
JL_(1992 on)_39	39	(21-04-02 / 02-07-02)
JL_(1992 on)_40	40	(12-12-02 / 04-03-03)
JL_(1992 on)_41	41	(05-03-03 / 25-04-03)
JL_(1992 on)_42	42	(03-05-03 / 11-10-03)
JL_(1992 on)_43	43	(25-10-03 / 30-11-03)
JL_(1992 on)_44	44	(30-11-03 / 27-12-03)
JL_(1992 on)_45	45	(28-12-03 / 31-01-04)
JL_(1992 on)_46	46	(31-01-04 / 27-02-04)
JL_(1992 on)_47	47	(29-02-04 / 13-03-04)
JL_(1992 on)_48	48	(14-03-04 / 10-04-04)
JL_(1992 on)_49	49	(12-04-04 / 10-07-04)

J. LANE

0419 954 541



"Rite in the Rain"

ALL-WEATHER
NOTEBOOK

No. 135

Feb 07 → Aug 08
=

Nº. 56

①

At 0935 hrs (summer
time) on Mon 19 Feb
2007 I opened (remotely)
the Warrumbungle Park gate
Penshurst to 33% to
let water in to raise
estuary water level towards
-0.40 m AHD. I
closed it (remotely) at
1538 hrs (summer time).

At 1100 hrs (summer time) on
Fri 23 Feb 2007 I closed
(remotely) the Warrumbungle
Penshurst (water level too high).

"Retain the Rain"

(2)

At 0850 hrs (summer
time) on Sat. 24/2/2007
I opened (remotely) the
Vane Fish gate Penstock
to 34%.

At 0855 hrs (summer time)
on Mon 26/2/2007 I closed
(remotely) the Vane Fish gate
Penstock. At 1605 hrs
I opened it (remotely) to 34%.

At 1005 hrs (summer time)
on Tues 27/2/07 I opened
the Wanning Fish gate
Penstock (remotely) to 34%.
I closed it at 1705 hrs

At ^{1110 hrs} ~~1100 hrs~~ on Wed

(3)

28/2/07 I closed (locally)
the Vase Fish gate Pentol.

I opened (locally) the
Vase Fish gate Pentol
at 1335 hrs (same time)
on Sat 3 March 2007
to 34%. Water
lvs is green due to
presence of new eel
(micro) bloom.

At 1335 hrs on Tues 6
March 2007 I opened
(locally) the Vase
"lvs in the rain".

(4)

Fish Gate Penstock
to 34%.

At ~~1300~~ 1313 hrs (snow
time) on Wed 7 March 07
I closed (locally) the
Warrage Fish Gate Penstock.

QC 1320 hrs (snow time)
on Wed 7/3/07 the gauges
at Vase showing flowages
need — 0.08 in u/s
+ 0.33 in d/s
Water flowing in. Water

(5)

colour up is green due
to algal bloom.

(summer time)

~~At 0930 hrs on Thurs
8 Mar 2007 I opened
(remotely) the Warrunga
East gate Penstocks
to (failed to open)~~

At 1718 hrs (summer time)
on Sunday 11 Mar 2007 I
reduced the opening of these
East gate Penstocks to 19%
because of concern water level
too high.

"Return to the dam"



(6)

At 1500 hrs (summer time)
on Wed 14/3/07 I
opened the Womney Ford
gate Parshall to 30.3%
to raise the water
level to the bottom of
the fish gate.

At 1510 hrs (summer time) on
Wed 14/3/07 the gauge
reading with the three floatgates
reads — 0.08 m w/s

Water w/s is green, with
grey-brown flecking beneath.



(7)

Spent most of the whole patches
on this. Water d/s
is also green, but not as
intense as d/s.

Womung Inlet mouth at
1520 hrs (same time) on
Wed 14/3/2007 -
cut in seabed remains
open.

At 1333 hrs
~~1000 hrs~~ (same time) on
Thurs 15/3/07 I closed
(completely) the Womung Inlet
gate. Permitted.

"Rite in the Rain"

(8)

At 1625 hrs (summer time)
on Fri 16/3/07 I
opened (Manually) the
Vase Fish Gate Parabolic
further, to 24%

On Wed 21/3/07 I
closed (locally) the Vase
Fish Gate Parabolic at 1643 hrs
(summer time) and
at 1651 hrs I opened
the Womney Fish Gate Parabolic
to 21% to raise the water
level in Womney Estuary.



Standard Time 9
↓

At approx 1535 hrs
on Sunday 25/3/07 I
opened the Warrung
Penstock to 29.8%
and at 1540 hrs I
closed the Warrung
Penstock.

On Wed 11/4/07 I
found when I connected
to SCADA and the
Warrung Penstock that
the Warrung Penstock
was 29% open!
Why? For how long?

I closed it (manually) at 1056 hrs

"Retain the Rain"

As a precaution I then
changed the "Remote Control
Command" figure from 30%
to 0%.

AC 0147 hrs on ~~Thurs 12/4/07~~
(initially) ~~Wed 11/29/07~~
I closed the Versa
Ind. Gate Remote.



~~Bunnings~~ 22/6/07 (11)

RECEIVED
"Rentokil"
Bromwell"
(0.05 g/kg Bromocholene)

"Tomcat"
(0.05 g/kg Bromocholene)

RECEIVED
Monsieur "Rithell"
(0.05 g/kg Brodifacoum)

Talon "Rit + Muriel"
(0.05 g/kg Brodifacoum)

"Rit in the Rain"

(12)

M. h. 10 control

"RATSAR"

(0.5g/kg Warfarin)

"BRONAR"

(0.05g/kg Bromadiolone)

"PESTMASTER"

(0.05g/kg Brodifacoum)

IGA Dsn

"Dunabugs"

(0.25g/kg Warfarin)

"RATSAR"

"TROC"

"MORRIS"

U U U U U U U U

At 0950 hrs on Wed
25/7/07 I opened ^(fully) the
Vase Fish Gate Penstock
from 0% to 100%
(Fish will upstream this)
morning

At 1235 hrs on Wed 25/7/07
I reduced ^(fully) the Vase Fish
Gate Penstock opening from
100% to 24.9%

At 1535 hrs on Fri 27/7/07
I closed ^(completely) the Vase Fish Gate
Penstock.

"Rite in the Rain"

(14)

Tues 23 October 2007

Dropped Peter Clarke at
"tunnel house" access
to northern end of

Winnipeg estuary at
approx 0940 hrs.

We will paddle together
to Winnipeg Estuary Flongueles.
and then up the Deschambault,
profiling activity, temperature
& depth along the way.

(15)

Wormy Eschylus flougebes
ganges at 0947 hrs
on Thu 23/10/2007
read +0.41 m w/s

Ulysses d/s

Water is flowing out
over top of Vell
steps to a depth
of 1 cm. All steps
appear to be at same level.

Fine, sunny, mild,
light NE breeze.

"Rite in the Rain"

(16)

Vase empty plunges
on Tue 23/10/2007

at 1313 hrs read

+0.39 u/s

illegible d/s

Water level u/s is 1-2 cm
below top of all steps
towards

Vase empty plunges again
at 1635 hrs on Tue
23/10/07 read

+0.39 ~~to 0.40~~ m ~~read~~ u/s

illegible d/s

(17)

The up water level is
now < 1 cm below top
of all brands

As the brands are more or
less exactly $+0.40$ m

Why out of chronological order?
3/12/81

at 1222 hrs (summer time)
on Thurs 20 Dec 2007 9

opened (locally) the Valve
First just Kenilworth to 30%;
then the messier ^{yellowish} green algae
blown off on upper beams
sides of jets.

"Rite in the Rain"

(18)

Venue Estuary mangroves
at 1440 hrs on
Mon 26/11/07 I
opened the Venue
~~main~~ East gate
and East gate
penstocks (both from
0% to 100%)

Lowest water month
at 1500 hrs is
green, but shallow.



(19)

Large spring flowmeter gauges
at 1200 km on West

28/11/2007 read

+0.22 m/s

Ulysses d/s

Water is ^{flowing} ~~leaking~~ out through
open tail gate, which is
~~logged~~ on ups side
by aquatic macrophytes.

at surface



upside of this

is that it presents / directs

movement upstream of gate

"Rite in the Rain"

(29)

Womby & my floppies
suffer at 1208 hrs
on Wed 28/11/2007
need

approx 0.30 m up
48.50 m up
+ 0.11 m up

eligible

At 1700 hrs (Summer Time)
on Fri 30/11/2007 I
closed (temporarily) the Vase
East gate Penstock -
to prevent too much
seawater entering estuary.

U U U U U U U U

(21)

Vase eating flingfishes on
Mon 10 Dec 2007. I
opened (loosely) the Frit
Gate Penstock to 30% at
1605 hrs (summer time)

Flingfishes gauges read:
- approx +0.18 m w/s
- approx +0.05 - 0.00 m d/s

Water w/s was green with
spiral bloom - hence greening.

Warrens eating flingfishes at
1615 hrs (summer time) on 10/12

- approx +0.15 m w/s
- negligible d/s

Water w/s dark brown.
"Rite in the Rain"

Oct 1642 hrs (summer
time) on Mon 17 Dec 07
I reduced the Horse
Foot Lake Pasture grazing
from 30% to 20%
to reduce inflow during
period of higher lakes
(low pressure system)

Flange gauge at
1644 hrs read

+0.165 w/s

~~1644~~ d/s
+0.41



(23)

Water up is green with
bloom. c 12 mm of
rain in past 24 hrs.

Strong wind, foggy
foggy at 1657 hrs.
(summer time) on Mon
17 Dec 07 rest

illigible. up/s

+0.42 m up/s

Water up is brown.

"Rite in the Rain"

(24)

Oct 0839 Loo (lower
time) on Jan 18 Dec
2007 I chose
(possibly) the Vase
Fish from Penikese —
in order to prevent too
much salt water inflow.
Pike's Sea level at
present is ca 0.3m
above predicted, due
to low ~~pressure~~
barometric pressure.

(25)

At 1610 hrs (Summer Time)

on Thurs 03 Jan 2008

I closed (nominally)

the Vane Fish Gate Perch

as I was concerned that

too much salt water

flowing in (too fast

a rate)

At 1643 hrs (summer time)

on Mon 07 Jan 08 I

opened the Vane Fish Gate

Perch to 32%, in

order to give any fish an

opportunity to "escape", if

they wish!

"Let in the Rain"

21

At 1655 hrs (Summer time) (26)
on Tue 08/01/08

I closed (temporarily) the Vase
First grade Passbook, in order
to reduce inflow.

At 0857 hrs (summer time)
on Wed 09/01/08

I opened (temporarily) the
Vase First grade Passbook
to 34% — to give every
fish an opportunity to escape.

(27)

At 1748 hr (summer
time) on Wed 09 Jan.
2008 I closed (remotely)
the Vase Pool gate
Pentuck — to ~~the~~
prevent too much salt
water flowing in.

At 1132 hr (summer time)
on Thurs 10 Jan 08 I
opened (remotely) the
Vase Pool gate Pentuck
to 100%, because at
c 1120 hr I had received
a phone call from Dohd
saying fish were "gassing"
Rite in the Rain

9

(28)

and leaving onto the
mesoslope on the western
side of the floodgate.

At 1332 hrs on Thurs 10
Jan 2008 I reduced
the opening of the Vase
Flood Gate Penstock from
100% to 31%, in order
to prevent too much water
from entering.

At 1000 hrs ? on Tues
29/01/2008 I closed the
Vase Flood Gate Penstock to
prevent too much water
entering.

(29)

QC 1744 hrs on Wed 30/01/08.

I opened (narrowly) the
Horse Fish Lake Penstock to 25%
because 20 minutes earlier I
had seen mallet smelting
at the floodgates.

QC 1804 hrs on Wed 30/01/08.

I opened the Herring Fish Lake
Penstock to 30% to give my
fish present an opportunity to
leave, due to presence of
green algal bloom and many
fish eating broads upstream.

I closed it at 0845 hrs
on Thurs 31/01/08.

"Rite in the Rain"

(Summer time) (30)

Qt 1049 hrs on Mon
04 Feb 2008 I closed
the Horse Fish Gate Reservoir
to prevent too much water
entering.

Qt 1312 hrs (summer time)
on Tues 05 Feb 08 I opened
(remotely) the Horse Fish Gate
Reservoir to 24% following
a phone call from Vernon Piper
(Geoland) re a report of "gassy
pit".

Qt 0907 hrs on Th 07 Feb
2008 I tried to close
(remotely) the Horse Fish

(31)

file Perch. It
closed from ~~24%~~ 24%
to about 19% and then
stopped ("motor fault").
Restarted it and it closed
to about 13% and then
stopped again ("motor fault").
Then SCADA disconnected.
I reconnected to SCADA,
Tried again to close gate.
It wouldn't close. "Motor
Fault", stuck at 13%.
(at 0923 hrs). Then
got it down to ~~10%~~ 9%.
Then SCADA dropped out
again.

"Rite in the Rain"

(32)

At 1115 hrs on Thurs
07 Feb 2008 I fully
opened + then fully closed
(briefly) the ~~Lower~~ Fish
Gate Reservoir and
fully closed + then
fully opened (briefly)
the ^{Lower} Fish Gate.

I opened (briefly) the
Lower Fish Gate Reservoir
to 100% from 1128 hrs
to 1139 hrs on Thurs
07 Feb 08 to see if
it would result in any

33

fish activity w/s. Obviously
none was seen. Few
feeding fish-eating birds
in the area. Water
w/s is yellow/green
due to thick algal
bloom.

Cit 0920 hr (sun in)
on Mon 11 Feb 2008. I
opened (remotely) the Valve
Fast gate Parabolic to 29%
to give any fish an opportunity
to escape (more downstream).
I closed it at 1623 hr.

"Rite in the Rain."

(34)

At 0950 hrs (summer time)
on Thurs 12 Feb 2008
I opened (reopened) the
Vance Fork gate Perstock
to 29%.

Unable to connect to close
at 4:30 pm on 12/2

At 1135 hrs (summer time)
on Wed 13/2/08 I closed
(reopened) the Vance
Fork gate Perstock.

At 0850 hrs (summer time)
on Th 14/2/08 I opened

(35)

(remotely) the Vase Fish Gate
Penthouse to 24%.

At 1714 hrs ^(summer time) on Th 14/2/08.

I closed (remotely) the
Vase Fish Gate Penthouse.

At 1038 hrs ^(summer time)
on ~~Th~~ Fri 15/2/08 I
opened the Vase Fish
Gate Penthouse to 24%.

I closed it (remotely) at
1052 hrs on Sat 17/2/08.

"Rite in the Rain"

(36)

At 0920 hrs (same time)
on Mon 18/2/08 I
opened (remotely) the
Vase Air Gate Pressure
to 24" H₂O.

I closed it (remotely)
at 1743 hrs (same time)
on 18/2/08

~~Garrett~~

07 3720 2136

(37)

Bump in
LP View +

I opened (remotely)
the Great Fish Gate
Pier at c. 1050
hrs (summer time) on
Mon 25/2/08

(Locally)
I opened the Warrington
Fish Gate Pier at

v. approx 1000 hrs
(summer time) on Tues
26/02/2008 to

"Rite in the Rain"

(38)

Spent 15%.

I closed it (the
Wanang First Gate Pentate)

at 1348 hrs on Thurs

28/2/08. Water

level was exactly

at bottom of open

first gate (-0.40 m
in 1940)



(remedy)

39

I closed the Vase
First Gate Ratchet
at 1150 hrs (approx
time) on Wed 05
March 2008

At 0908 hrs on Th
13 March 08 I opened
(remedy) the Vase First
Gate Ratchet to 28%
due to low water level.

↖ Closed - at 1115 hrs

I think —

"It is the time"

(40)

Verdery plumbago

Gauge at ~~16~~ 1650

hrs (summer time)

on Wed 19 March

2008?

2007 needs

— 0.10 m w/s

100 more — juv / summer

Wamp eby plumbago

Gauge at 1700 hrs

needs (w/s)

— 0.45 m ~~APR~~

(41)

At 1735 hrs on Wed
19 March 2008. I
grazed (loosely) the
Vase Pond Lake Bankside
to 19.9%.

At 0936 hrs on Thurs
25 March 2008. I closed
(loosely) the Vase Pond Lake
Bankside.

Vase Lakey phragmites grazing
at 0938 hrs on 25/3/08

read - 0.08 m w/s

+ 0.28 m w/s

Chippy - Moderate to heavy

(42)

Working along floodgate gauge
at 10948 hrs read
up

+0.29 m d/s
on Thu 25/03/2008

At 0842 hrs (Start Time)

on Mon 31/3/08 I closed
(remotely) the Vase Fish
Gate Dam to

Vase along floodgate gauge
at 1057 hrs on Mon 31/3/08
read -0.10 m up, +0.54 m d/s

(43)

Winnings using flowmeter
gauge at 1058 hrs
on Mon 31/3/08
read +0.54 m d/s
and approx -0.45 m u/s

At 1101 hrs on Mon
31/3/2008 I opened
(locally) the Winnings
Flood Gate Reservoir
to 20.4%.

At approx 4 pm on Fri 5th
April 2008 I opened
the Horse Lake Gate
Reservoir to 29%. At
0020 hrs on Sat 5th April I
reduced the Horse Lake Reservoir to 15%.

(44)

At 0907 hrs on
Mon 07 Sept 2008
I closed the Chase
Entry Gate Venturi

Worming Biting blowflies
ganges at 1427 hrs
on Thurs 24/04/2008
read: -0.44 c/s
+0.53 c/s

At 1434 hrs I opened the
Worming Biting blowfly bank to
30% to raise the c/s levels

(45)

At 1218 hrs on Sat
26/04/2008 I reduced
the Womang First gate
Rastrack opening
to 16% (locally)

Womang estuary floodgate gauges
at 1140 hrs on Mon
28/04/08 read:
+0.59 m d/s
(very approx - 0.39 m d/s)

At 1143 hrs on Mon 28/4 I
closed (locally) the Womang
First gate Rastrack.
"Rite in the Rain"

Mon 19 May 2008

Met Iain + Pen Pearce
(and son Glen) at their
place, Sweeney Rd, Bremer
Bay. Talked with
Iain for 2 $\frac{3}{4}$ hrs about
Yellowing Lake (on his
property) and its catchment.

1245 - 1315 hrs (approx)

Took photos (digital)
of water supply point
(dam) on Sweeney Rd,
end of driveway and
steep vegetation of the
lake at this location.

1 W. 11.5 lake

Camera battery died. (47)
Took it to Pacoche and
left it (at 1335 hr)
on charger for planned
1-2 hrs.

Went to site of
dyeing gorges on Yell
Lake.

Two GPS readings of 1341
and some gorges

"Yell BM": 504 0686899 6201353

1 pr. Chestnut teal

1 Marbled Duck

Shelducks heard

Black Swans

"Rite in the Rain"

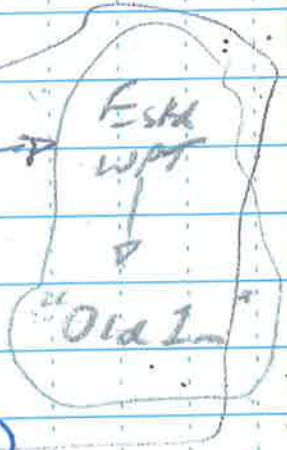
(4.8)

Gray Teal

Small Conese

NEED TELESCOPE

"Yell Old 1"
SO H 0686720 6201365



1.05 m
Water level (9/10/08)

NEED ORTHOGES IN WADERS

Estd WPT at gauge E

"Yell E": SO H 0686827 6201345

LBL at E is 1.68 m

Let's see to day at Estd WPT dropper ("Drop")

"Yell dropper" SO H 0686819 6201345

(49)

Levee bed level at

Sta ^A"D" is 2.38 m

"YELL D" = 50 H 0686865 6201342

"C" is 3.84 m

Sta "YELL C"

50 H 0686885
6201348

(used type
from bottom of
4-5 m plate)

Took lot of digital photos

Dead tree line extends

approx 20 m into levee
from current water's edge

Water depth at ^{edge of} ~~side~~ innermost
dead trees is 0.75 m
"Rite in the Rain" (measured)

(50)

- Most of the ~~largest~~ (closest to center of lake)
dead trees are clearly
Melaleuca.

- Water depth at innermost
line of *Euc. occidentalis*
dead

is approx 0.02 m

- Dry lake bed is bare
from water edge out
to first (grey) ~~papyrus~~ is
to lake bed level of
approx 1.0 m

(51)

- Older, taller, broader,
denser mangroves (?) ~~to~~
~~growth~~ occurs down
to lake level level
of c. 2.0 m.
- " ^{healthy} Mangrove ^{Melaleuca} regrowth
occurs down to lake
level level of c. 2.6 m
- Live, Evergreen growth extends
down to level of c. 3.1 m
- Outermost limit of dead
trees is c. 3.2 m. No
sign of water level or salt-induced
death ^{seen on the main level.}

(52)

K. Wainwright Wed 21/05/2008

Gege A (2m)

LBC = 0.05m

Est "KWOR A" SOH 0538751 6176181

photo taken

Water level < 0.05m

No water visible

Took several digital photos
facing roughly SW to
SE ~~SW~~ from same position

Net 3 also established

(HPT 09)

Re-labelled as "KWOR AP1"

SOH 0538623 6176136

E A A A A A A A

Estn "WARR BM" 50 H 0323500 6199486

Warrings 1210 hrs (53)
on Wed 21/5/08

LBL at gage "B"
↳ 0.24 m

Took digital photos &
estd. WPT "B"

"WARR B"
50 H 0323539
6199532

Water sample taken

Yarnup 1330 hrs on 21/5/08

Estn "YARN B" 50 H 0487418
6196531

Gage "B" LBL = 0.12 m

Water sample in depth of 0.02 m

LBL at Gage "A" = 0.97 m

Estn "YARN A"

50 H 0487398 6196529

"Rite in the Rain"

(54)

Noobedap

1410. h Wed 21/5/2008.

LBL at unnamed gauge (1m)

$\Delta = c. 0.00 \text{ m}$

LBL at gauge "A" (2m)

$\Delta = c. 0.50 \text{ m}$

Water sample taken

Estn. Wgts. "Noob A"

at gauge A 50 H. 0480849
6192661

Estn. Wgts. "Noob B"

at unnamed gauge 50 H. 0480825
6192669

(55)

Sim 13/7/08 = Drive from
Bsn to Guntur to Kojurup
Visited Bongap Brook -
(Suking) on the way. See green
notebooks for details.

↑

Add two green
pages of 13/7 here.

"A" gauge at 0820 hrs
reads + 0.17 m

many frogs calling from within the
lake

Estm "NGOP A" by point
SO H 0531717 624 2655

at "A" depth gauge
Took water sample here.
"Rite in the Rain"

Sunday 13 July 2008

Bogus Brook
(Kankrup)

- LBL at Gauge A was
+ 0.06 cm.

- GPS coord. ("BOYA A")
taken { 504 0469675
6257230 }

- Shallow (1-3 cm) puddles
of water on lake bed.
Took water sample 5 m
from gauge A at 1635 hrs

- First GPS coord of Bank Hole
("BOYA B")
504 0469776 6257199

Check to notebook N° 56.

R 07/6/14

Coinia telling from within
the webbed - C. signata?

Frog eggs spread in thin layers
even bed in shallow puddles

(55)

Sim 13/7/08 : Drive from
Bsu to Greatmbs to Kojom

Visited Boyup Brook - "

(Kuticup) on the way. See green
notebook for details.

Mon 14/7/2008

Ngopitangs Swamp

"A" gauge at 0820 hrs

reads + 0.17 m

many frogs calling from within the
lake

Estm "NGOP A" by point
50 H 0531717 624 2655

at "A" depth gauge

Took water sample here

"Rite in the Rain"

(56)

- Honda GX 200 pump

"NGOP pump" SOHOS31743 6242726

- 20 liter fuel tank connected
("Abenechi")

- Trolley

- 20 liter white container of fuel
not connected

- Shovel

- Coaming hose not used

Est. Wpt ~~INBORN~~

"NGOP BM"

SOHOS31746

6242644

at benchmarks

Est. Wpt

"NGOP hose"

SOHOS31824

6242719

57
Sagrecup

Mon 14/7/2008

Estad Wagon

COYR BM 6268374

COYR A 6268395

COYR B 6268471

COYR C 6268622

Water level (w.c.) is

+0.33 m at 0955 hrs.

Water is only just reaching

this gauge.

Light at bridge

"like in the rain".

(58)

Water sample 5.0 m from
Cape George "C"

Heard 1 ♂ Skel + new
2 Red-eyed Plover.

Water body is fine.

LBL at "COYR B"
is + 0.94 m.

LBL at "COYR A"
is + 2.02 m.

(59)

Yearling at

1157 hrs on Mon 10/7/2008

Lebe is dog

LBL of gauge "C" is +0.07m

LBL (ground level)

at gauge "D" is ~~1.94m~~ 1.94m

Est'd Waypoints at

"YACL BM" 50H 0647443
6263830

"YACL D" 50H 0647397
6263802

"YACL C" 50H 0647385
6263942

"Rite in the Rain"

(60)

Range from Yeh Swamp

at 1245 hrs on Nov 14/7/08

Lebe is DRY

Estad Wapintu it

" RANG BM " SOH 0666083
6275186

" RANG A " SOH 0666068
6275209

" RANG B " SOH 0666002
6275255

286 at " RANG A " is 0.98 m

286 at RANG B is 0.005 m

(61)

Thurs 17/7/2008

Cornwallis

East Weymouth

~~CMBG~~ SI H 0349163
"CMBG B" 6267892

"CMBG A" SI H 0349172
6267915

"CMBG B" SI H 0349154
6267935

"CMBG C" SI H 0349160
6267993
993

at junction L&M

(CMBG 20080717 PPC #113 - #123)

Took 360° photo at "CMBG C"
at 1100 hrs

"Rite in the Rain"

(62)

LDL at "CHBG C"
is + 0.76 m

Estad. Regent "CHBG" Sample
at 1130 h. { S.H. 0349117
6268239

Measured 0.22 m deep
v. Little breeze - Fine

Tools under sample here
+ photo looking South

CHBG - S.H. 0349133
Esta. CW edge 6268191

at edge (Southern) of
continuous water.

Thurs 17/7/2008

(63)

Espresso 26410 (ESP1)

Took water sample c 30 m

east of gauge B at 1250 hrs

(ESP120030717B #132 - #141)

Took 360° photos from gauge B

waypoints: SIH 0304808 6264728

Est'd ESP1 FW 3m

"ESP1 B" SIH 0304888
6264883

Water's edge is 6 m east
of "ESP1 B" gauge

LBL at "ESP1 FW 3m"
is 1.67 m

"Rite in the Rain"

(64)

Depth gauge reading

(¹⁰ESP 1.3)

is 0.79 m

(after digging trench)

I walked entire western edge
measuring LPTs as I went
(on western edge) LPTs 025-112

Finished at 1417 hrs.

Standed last $\frac{3}{4}$ of circuit
at 1338 hrs.

By whole walk $\frac{4}{5} \times \frac{13}{29} = 5.2$
look $\frac{4}{5}$ $\frac{13}{29}$ $\frac{52}{100}$ $\frac{13}{29}$

Green blue soil 2 trench.

Re-measured
Remained below level
at gauge B

(65)

It was ~~at~~ 0.79 m
at 1420 hrs.

"Rite in the Rain"

Lebe
Pentagon ⁶⁶ Fri 18/7/2008

Dugout gauge A
reads 0.38 m

Tank water sample here.

Estad Weymouth

" PARK A " 50 H 0533021
6307269

" PARK C " 50 H 0533111
6307260

" PARK BM " 50 H 0533156
6307263

There was no gauge B

Took photos of gauges + BM
and observation well / pipe
at water edge. Estad

WPT " PARK bores "

(67)

"PARK boxes" 50H 0533062
6307256

at nested cluster
of boxes

Est'd "PARK w2" 50H 0533064
6307255

at water edge
(1-2 m from "PARK boxes")
- error was ± 2 m (GPS)

LBL at gauge "C"
was 0.99 m.

Finished at 0838 hrs.

Wind was moderate NW

Stopped at nested boxes on
top of dike

50H 0533197
6307235

Est'd "PARK boxes 2"
"Retain the Rain"

Barby, very Cond.

(68)

0815 hr on Fri 18/7/2008

N Bone

14.36 - 14.41 m

S Bone

3.95 - 3.98 m

Tepe readings - Tepe
was sketchy?

Measured to top of housing /
ceiling.

What is the direction for
these measurements?

Photoed both bones + info
taken + images placed

69

And all pages in
recording book.
Many missed levels but
great idea.

Flegstiff Lake

Took water sample near
western shore at 0925 hrs
on Fri 18/7/2008

Reid WPT "FLAG W2"

at water edge

30440523614
6291731

Found geyers further south

"Rite in the Rain"

70

Ess. Weyant at page "3"

"FLAG B" 50 H 0523792
6291557

gauge read 0.46 m

"FLAG A" 50 H 0523670
6291480

↑ LBL = 0.99 m

"FLAG F+WBM" 50 H 0523660
6291473

at old Fow station

"FLAG BM" 50 H 0523642
6291467

(FLAG 20080718 PPA #174 - #184)

Take 360° photos from

"FLAG A" position

Take other photos of gauges

at old station.

71

Food Hygiene

George A
George B
George C

"MARR BM" 504 0516363
6289934

MART PP1 What I took there
504 0516355 (3) photos
6289884 "Sit in the Ham"

(12 depth gauge reading) (72)

When level at

"MART B" was 0.27 m
at 1045 hr.

ca. 270° (MART 2000 0718 PPA)

Took 300th photo from #188-#192
"MART A" gauge. + more?

Took water sample at "MART B"

200th at gauge A
was 0.40 m

Discovered 2 boxes on N side
of lake, near edge of road.

Each box "MART boxes"

Box (504 0516200 6290059)

and took photo (both for exp.)

FRI 18/7/2008

(73)

W. of Anthony 5456

("Dead Man's Swamp Nature Reserve

Estd "WEST F.W.B.M." SOH 0496504 6293040

Initially I walked to the
at old datum

Long Lake (the larger lake

to the East of the lake was

monitor) having been mislead

by inaccurate benchmarks

coordinates - Later, at

the correct lake, I B

Estd W.P.T. "WEST B.M." (Bene

mark
SOH 0496510 6293047

"WEST A" SOH 0496496

(Gauge A)

6293038

"WEST B" SOH 0496359

(Gauge B)

6292851

Site in the Rain

(ie gauge reading)

74

Gauge B depth is 0.15 m

Gauge A LBL is 0.47 m

(by mistake)

Initially I walked the western edge of the lake to the east of the lake we monitor. Established waypoint every 50 metres or less.

These were Waypoints 116 - 200 incl.

Later I walked the western edge of the lake we monitor and logged waypoints 201 - 299 incl -

to be used for bathymetric mapping.

|||||

(75)

Fri 18/7/2008 PM

Towing Log

Water level ~~at~~ c. 15 m
was: at 14.55 hrs

Strong W wind and blowing.

Estm WPT "TOWE 8M"

at Borehole 504 0480707

6283950

504 0480676 6283961

Est WPT "TOWE ^B ~~8~~" at

broken? (sawn off at 8.40m)

gauge attached to N side

of jetty. The water level

was c. 0.25 m below the

8.40 m mark.

Took water sample near

"Retain the Rain"

(76)

justy + photos.

THES 22/7/2008
HARVEY

Gauge A reads 0.73 m
at 0752 hrs.

Esch Weynt "HARV B17"
at Bonnet. 50.4 0386580
6348819

3 Gray Tail, 2 ABD

Took 270° photos from

Changed to HARV B17
on 31/8/08

77

2 metres west

of gauge "A" (Call this HARV PPT even though I did not record a waypoint for it)

Took later sample nearby

Estn "HARV A"

at gauge A.

SO H 0386565

6348939

Cliff

Time 22/7/2008.

"CLIFF 1st" SO H 0373962
6376140

1st

Depth gauge used

"CLIFF 2"

4.22 m

at 0854 hr

"2nd" Depth gauge (at end of jetty)

"CLIFF 2"

SO H 0373884

"CLIFF 2nd"

6376157

78

Thurs 31/7/2008
Chandala

Depth gauge "A" reads
1.11 m

at 1124 hrs.

Est. & W. Waypoints

"CHAN BM"

SOJ 0400545 6514425

and

"CHAN A"

SOJ 0400717 6514496

(79)

Waypoint 342

is middle
of creek bed.

1340.

Back at vehicle at 1340 hrs.
having walked 7.23 km in
high boots. I had skinned

From the water's edge, near "CHAN BOM"
I walked north along the water's
edge, establishing waypoints as I
went, until I could go no further
(due to heavy veg.) on NE side of
lake (Waypoints 303 - 382). Then
I returned to near Waypoint 303 and
walked north, then east, establishing
(waypoints ~~383-446~~ 383-446).

(80)

Benbow ^{Lake} on Th 31/7/2008

Depth gauge "C"
read 2.61 m

at 1420 hrs.

WSW breeze blowing (moderate)

Est'd wing point

"BAMB C"

50J0394810

6522805

"BAMB DM"

50J0394879

6522829

~~DATE~~ 31/7/08

Yurmi Swamp
(historical
Swamp wetland)

No depth reading possible.

Establish waypoints

" Yurmi BM " 50J0385171
6543598

" Yurmi Board " 50J0385211
6543600

" Yurmi 3m " 50J0385170
6543580

Took photos of BM, gages &
frog egg masses and TEL sign
and "Five Mile Swamp old" sign -

From "1535 hrs" rain

Thurs 31/7/2008

(82)

Jendebang Lake

Est "JAND BM"

50J 0390937
6486982

44.83 m AHD

at 46 m gauge

at 1723 hrs

"JAND 46m"
50J 0390936
6486978

44.83 m AHD

at 45.5 m gauge

at 1727 hrs

"JAND 45.5m" 50J 0390880 6487034

44.825 m AHD

at 2nd 45.5 m gauge

"JAND 45.5m 2ND"

50J 0390804 6487110

(83)

^{Lake}
Jooddehnp, Fri 06/08/2008

18m Depth gauge reads

→ 16.82 m AHD

at 1321 hrs.

Eska waypoint

"JOON 18m"

50J0384382 6487422

Couldn't find BM on Western Pkts

Took water sample

+ photos of gauge.

"Rite in the Rain"

(84)

Thomson Lake

Mon 04/05/2008

Depth gauge "E" read 0.70 m
at 1005 hrs.

1 m (or part thereof)
Old unlabelled gauge with star
product and old white witness plate
next to it read 0.60 m
at this time

Took water sample near gauge "E"

New "THOM BM 2" 23/9/08

East Weymouth

"THOM BM

504 0389516

644/482

(Now "THOM A1" 23/9/08)

85

"THOM A" 504 0389576
6441513

"THOM E" 504 0389519
6441539

Took digital photos of ~~THOM~~
benchmark ("THOM BM") and
gauges "A" and "B"
and old gauge with white wooden
plate next to it.

Took photos of nearby bore
(blue - Dept of Water?) and
took 360° photos from
gauge "A" position.

"THOM old wpt + gage" 504 0389508
6441529

"Rite in the Rain"

(86)

~~Shut Sun Body Gestat 2pm~~

Formby Lake 04/08/08

Took photos of bendrubs, gauge, white plastic pipe, gray asbestos(?) pipe.

23 m gauge

reads 22.03 m AHD

at 1133 hrs.

Took water sample near this gauge

Esth waypoints

" FORR 23 m SOH 0399940
644 1945

" FORR BM " SOH 0400061
644 2240

" FORR 3 pipe " SOH 0399932
644 2108

" FORR w pipe " SOH 0399970
644 2087

Forr " FORR BM " 23/9/08

Gibb Rd Swamp

25 m AHD Dept of Water

Gauge reads

24.59 m AHD

at 1313 hrs on Mon 04/08/08

new GIBB BM1
of 23/9/08
Elev. 167.00

new
"GIBB 25m AHD 1"
of 23/9/08

"GIBB BM" 50 H 0397627
6441667

"GIBB 25m" 50 H 0397658
6441771

"GIBB NR sign" 50 H 0397627
6441673

"Rite in the Rain"

(88)

Took photos of gages, boxes,
benchmark at Cobb Rd Swamp

Took water sample near
25 m AHD gage ("G505 25m")

~~Like~~ McLarty Dec 06/08/08

Exld. waypoints changed to "MCLA BM2"
on 31/8/08

"MCLA BM" 50H 0379489
6379596

"MCLA A" 50H 0379501 6379614

changed to "MCLA A1" on 31/8/08

(89)

"MCLA fp" "MCLA fencepost"
50 H 0379510
6379619

Bay "A" read 1.20 m
at 1114 hrs on Wed 06/08/08

Top of fencepost next to
measuring (MCLA fp)
is 0.78 m above the
water surface

⇒ top of fencepost
is $1.20 + 0.78$
 $= 1.98$ m CALM

"Rite in the Rain"

Wed 06/08/2008 (90)

Murray 24739

504 0378787 E
6382037 N

290° 6m jangle 1
37m jangle 2

Grege FW 1

needs 0.50m

at 1230 hrs on Wed 06/08/08

Estad waypoint

MARR BM

504 0378784

6382052

504 0378776

MARR FW1

6382066

(91)

" " 504 0378766
MARR PP1 6382070

where I took 360° photos

Took water sample near here.

Can hear several

Lyn. dorsalis

Lutro. adalensis

and *Crisis*

calling -

Saw 2 + 1 PeBD.

Couldn't find second gauge.

"Rite in the Rain"

(93)

Took 360° photos at "NENE PP1"

Took water sample near gauge B

Heard many *Cornix glesenti*
("piss in ear"), some *Leucob�ndus*
and some *Cornix* (squeaking)

Saw 2 Marsh Wrenns together.

Lebe Clifton on Wed 06/08/08
Gauge "E"
read 4.31 m
at 1422 hrs.

Est. waypoints
"Piss in the Rain"

(94)

" CLIF C2 "

SOH 0373964 6376142

" CLIF D2 "

SOH 0373884 6376164

" CLIF B11 "

SOH 0374037 6376139

(and re-labelled previous
from "CLIF 1st" to "CLIF C1" and
from "CLIF 2nd" to "CLIF D1".)

Took water sample at gauge "C".

95
Wed 06/08/08 Contd.

HARVEY 12632

Qt 4:46 pm on shore (wrong)

Range read ~~to 94.5 m~~
(CHECK PHOTO) 0.945 m

Took 360° photos

at "HARV PP1" Done 14/8/08

See 22/7/08 * change to "HARV PP2"

Est'd waypoint "HARV PP1" &
50H 0386560 6348932

Walked entire water edge

anticlockwise recording
waypoints (453 - 502)
as I went.

Est'd "HARV parking" 50H 0386525
6348843
"Rite in the Rain"

(96)

Steve Clayton Wed 13/8/2008

Gage "C" reads 4.335 m
at 1612 hr

Extra waypoints
"CLIF BM2" 50 H 0374038
(at Bonabruer) 6376141

and
"CLIF C3" 50 H 0373964
(at gage 3) 6376142
No water sample

Downloaded all waypoints
to 13/8/08 included
onto Allen's computer

97

Labre

McLarty Wm 27/8/08

Spot gauge "A"

reads 1.185 m

at 1305 hrs

Light - moderate NW breeze
Fine. Sunny

Walked entire water's edge in
clockwise direction recording waypoints

WPT 505 - 776

for bathymetric mapping purposes

Remembered to reset odometer

to 0.00 km at WPT 578

"Rite in the Rain"

Lake McCarty 27/8/2008 Contd.
Re-read gauge A (98)
at 1534 hrs.

|| Depth = 1.182 m ||

V. light W wind.

Fine, Sunny.

Estn WPT "MCLA A2"
at gauge "A"
SOH 0379503 6379615

Estn "MCLA B12"
SOH 0379490 6379599
at benchmark.

GPS odometer reads 7.42 km

back at valve (add
at S end of McCarty. inverted bit)

99

ALL WAYPOINTS TO:

776 were downloaded

to Tom's computer

on Thurs 28/8/08

(plus "MCCA A2"
and "MCCA B42")

"Rite in the Rain"

100

Leke Joondelaps

Sat 30/8/08

1319 h

16.89 m AHD

Also Estd WPT 50H 0376039
CLIF BM3 6376140

at BM

Clifton Sun 31/8/2008

4.31 m

is reading of Gauge C

at 1535 h

Marked Water corner

Est'd Wypoint "CLIF C4"

at Gauge C.

50H 0373964 6376142