

## 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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|-----------------|-------------------|------------------------------|
| 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.

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|-----------------|-------------------|------------------------------|
| 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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|------------------|-------------------|------------------------------|
| 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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|------------------|-------------------|------------------------------|
| 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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|-----------------|-------------------|------------------------------|
| 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)        |

"Rite in the Rain"  
ALL-WEATHER WRITING PAPER



# SHIRT POCKET

All-Weather Notebook  
No. 135

Nº 55

|          |           |
|----------|-----------|
| FEB 2006 |           |
| JIM LANE |           |
| CALIF    | BUSSELTON |
| DEC      |           |

3" x 5" - 50 Horizontal line sheets

TO Feb 2007

J. LANE ①

CALM B.S.

97525526

Q6 1140 hrs on Sat 18  
Feb 2006 I opened  
(remotely) the Winery  
Fork file Pentode to 32 %  
and at 17 hrs I  
closed it

(1240 hrs??  
(corros problems) -

"Rite in the Rain"

(2)

At 1045 hrs on  
Sun 19 Feb 2006

I opened (remotely) the  
Honnings Fish Gate Penstock  
to 27% and closed it  
remotely at 1227 hrs.

I closed (remotely) the Vasse  
Fish Gate Penstock at 1236 hrs  
on Sun 19 Feb 2006.

NO - the camera shows it is  
still open! (at 1242 hrs.)

(I then left it open).

I managed to close it at  
1305 hrs.



(3)

QC 0920 hrs on Mon 20/2/06  
I opened (remotely) the  
Vesse Fish Gate Perch to  
27%.

QC 0924 hrs on Mon 20/2/06  
I opened (remotely) the  
Womney Fish Gate Perch to  
28% and at 0959 hrs I  
closed it.

QC 0853 hrs on Tues 21/2/06  
I opened (remotely) the Womney  
Fish Gate Perch to 100% (meant to  
be 70% but controls went "off line").

QC 0904 hrs I reduced (remotely) the  
"Rite in the Rain".

(4)

opening to 29 % and  
at 1500 hrs (on same day  
= 21/2/2006) I closed it  
(completely).

Womms taking floodgates  
gauge at 1600 hrs  
on Thu 21/2/2006

read: - 0.19 w/s  
+ 0.48 d/s

Water w/s is greenish grey + opaque

10 Pels in channel w/s, c20  
moving.

Wind: light NW breeze.  
Knee

(5)

Fish catch up/s.

Verse estuary floodgate ganges  
at 1617 hr on Tues 21/2/06

ganges need u/s  
+ 0.50 at/s

Large amount of debris  
threw the gates to over the  
stop boards of all bags, but  
particularly 2, 4, 5, 6, 7, 8?,  
12 (from 5)

Also from the closed  
Keston King Gate.

"Rite in the Rain"



(6)

At 1630 hrs on Tues  
21/2/06 I closed the  
Vase Fry Gate Penstock  
(manually - with wheel) because  
of leakage in the Fry Gate.

At 0950 hrs on Wed 22/2/06  
(manually)  
I opened the Womney Fry Gate  
Penstock to 27%; and closed  
it at 1038 hrs.

At 1005 hrs on 22/2 I  
closed (manually) the Vase Fry  
Gate Penstock.

(7)

At 1612 hrs on Wed

22/2/06 at Vesse

strong floodgates the gauges  
read

gauge - 0.06 d/s

+ 0.58 m d/s

Took digital photo of  
beetles in

Fine. Warm. Light NW. W  
beetle

Strong strong floodgates gauges

at 1624 hrs on 22/2/06

read: +0.58 d/s

- 0.22 d/s

Took 2 photos - ~~visually~~ <sup>little in the rain</sup> no halage

(8)

At 1050 hrs on Th 23/2/06

I opened (remotely) the Vase  
Fish Gate Penstock to 33% -  
and closed it at 1435 hrs.

At 1058 hrs on 23/2/2006

I opened (remotely) the  
Honnings Fish Gate Penstock  
to 33%, and closed it  
at 1138 hrs.

At 1015 hrs on Fri 23/2/06

I opened (remotely) the  
Honnings Fish Gate Penstock to  
29% and closed it at 1120 hrs.



9

05/019 hrs on Fri 23/2/2006

I opened (manually) the Valve  
First gate Perforator to 28%, and  
closed it at 1125 hrs.

Visa taking plumbograph gauges  
at 0845 hrs on Sunday 26/2/06

read:  $\bar{Q} - 0.04 \text{ m/s}$

$+ 0.04 \text{ m/s}$

Wind - Moderate SE wind.

Warm -

1 Dead Duck on up/s side  
of plumbograph.

"Flushing" of large fish  
on up/s side.

"Rite in the Rain".

+ 1 Osprey

(10)

Many tens of pelicans + grebes  
feeding very actively 200+ in  
hydroponics.

Opened (locally) the Venice  
first gate Penstock to 29%  
at 0853 hrs.

Windings along floodgates  
at 0905 hrs on 26/2/2006

need:  $-0.23$  u/s

$+0.04$  d/s

Water u/s is green + opaque

At 0910 hrs on 26/2/06 I

opened (locally) the Windings  
first gate Penstock to 29%.



(11)

No sign of fresh activity up's.  
Left here at 0916 hrs.

At 0953 hrs I closed (remotely)  
the Wonnemys Fish Bait Penstock.  
(on Sun 26/2/06)

---

At 0922 hrs on Mon 27/2/06  
I opened (remotely) the Wonnemys  
Fish Bait Penstock to 29% and  
closed it at 0959 hrs.

At 0937 hrs on 27/2/06 I  
closed (remotely) the Vasey Fish  
Bait Penstock and at 1700 hrs  
I reopened it, to 30%.

"Rite in the Rain"

(12)

Qt 0917 hrs on Tues 28/2/06

I opened (remotely) the  
Winnang Gully gate Pressure to 33%  
and closed it at 1050 hrs.

Qt 0930 hrs on Tues 28/2/2006

I closed (remotely) the Vase Gully  
Pressure. and at 1515 hrs I  
reopened it (remotely) to 32%.

Qt 1618 hrs on Wed 1/3/06

I opened (remotely) the  
Winnang Gully  
Pressure to 29.5%.

The gauges read  $c - 0.26 \text{ m/s}$   
and  $+0.405 \text{ d/s}$   
at 1632 hrs.

(13)

The water up is green  
(algae bloom). No sign  
of fish activity up, in  
the inflowing water, but  
some in the shallows up.

I closed the Vemag Fort  
gate Penstock at 1649 hrs  
on Wed 1 March 2006.

At 1008 hrs on Th 2 Mar 2006

I opened (remotely) the Vemag  
Fort gate Penstock to 32% and  
closed it at 1022 hrs.

At 1012 hrs on 2/3/06 I closed  
(remotely) the Vemag Fort gate Penstock.

"Rite in the Rain"



Verse estuary flangelets  
 ganges at 1600 hrs  
 on the 2 March 2006

read: ~~0.00~~ m u/s  
~~0.075~~  
 + 0.405 m d/s

Mild. ~~the~~ light - moderate  
 NW wind. Overcast.

At 1605 hrs I opened  
 (locally) the Verse Flangelets  
 Perchets to 29.9%.

At 0852 hrs on Fri 3 March 06  
 I opened (remotely) the  
 Wanning Flangelets Perchets  
 to 32%.



(15)

QT @ 1703 hrs on Sat 4  
Mud 2006 I opened (remotely)  
the Womung Fish Gate Penstock  
to ~~29%~~ 29% and at  
1754 hrs I closed it (locally).

QT 1110 hrs on Sun 5 Mud 06  
I opened (remotely) the  
Womung Fish Gate Penstock to  
29% and closed it (locally)  
at 1220 hrs.

There were hundreds (at least)  
of med. sized mudlet in the  
shallow at the water edge  
0-20 m upstream of the  
floodgates on the W side. Why  
thousands thrashing about? - almost  
"kites in the rain" - lucky.

(16)

Water colour w/s of Homings  
plankton net (5/3/06)  
brown.

---

Homings plankton - opened  
East Gate Penstock to 30%  
at 0925 hrs on Mon  
6 March 2006

Vertical plankton gauges  
at 0950 hrs on 6/3/06  
read  $\frac{3}{8}$  - 0.05 w/s  
+ 0.26 d/s. Moderate E  
wind. Warm sunny.

Many big fish melting  
lightly near surface, on w/s surface

Working along flange  
again at 0848 hrs.

Working mass of small  
mullet against the flange  
on w/s side, W of  
open End gate, and along  
W shoreline for 15 m.

Saw a Little Black Count  
catch + smaller one.

One flashing dead (pink).  
Water brown.

At 0852 hrs I closed the  
End gate Rantoul + opened  
the Poygan gate Rantoul to  
31%. Large numbers of  
fish entered this "cutback".  
"Rite in the Rain".



(18)

Act 1004 has closed Bayport  
Gate Penstock down to 14%

1006 closed to 5%

1009 closed to 0%.

Source fish trapped in culvert  
that had passed thru  
to d/s side.

Winnings estuary flange

~~gates at 0905 hrs~~

This 7 March 06 ~~note~~

I opened (locally) the  
Fish Gate Penstock to 30%  
at 0906 hrs.



(19)

Cleaned the up gauge.

While doing so, inspected  
the Popped fish Penstock

"churn" There were approx  
400 dead mullet (avg  
length = 15 cm) in the churn  
- trapped yesterday. Need

to be able to hold reverse  
fly valve ~~open~~ or closed,  
or have it removed, to  
prevent recurrence. These  
fish were <sup>accidentally</sup> trapped yesterday when  
releasing others.

Working floodgate gauges at  
0926 hrs on 7/3/06

"Rite in the Rain"

(20)

Read - 0.29 m w/s  
+ 0.29 m w/s

At 0938 hrs there ~~were~~ <sup>was</sup> ~~several~~ <sup>one</sup> hundred small  
- medium mussels in shells in  
some place as yesterday.  
(in response to Fritake Portlock being opened)  
at 0930 hrs I closed (briefly)  
the Young Fritake Portlock,

By 0935 hrs this <sup>activity</sup> had <sup>practically</sup> ~~almost~~ <sup>practically</sup> ceased (due  
to inflow being stopped at  
0930 hrs), but the fish were  
still mulling in their area.

(21)

Verse entry flume gate at  
0948 hrs on Tues 7 March

2006 gages read  
 $- 0.075 \text{ m/s}$   
 $+ 0.32 \text{ m/s}$

At 0948 hrs I closed the  
Verse Gate gate bracket and  
opened the Popped Gate Bracket  
to 31%.

There had been large mouth  
swelling in the "cabinet" of  
the PGP on each inspection  
since the Reverse Flap Valve  
was removed from the ups  
side of this cabinet  
some weeks ago.

"Rite in the Rain"



(22)

At 1005 hrs on Th 7/3/06

I closed (closed) the

Vene Beyond Lake Porters,

There are now no fish  
milling in the P&P current,  
but there are still some  
large millets fishing 2-10  
m up/s of the fluvial

I conclude that some fish  
went there, but others were  
content to stay up/s.

Worms eating fluvial grazers  
at 0905 hrs on Wed 8/3/06

need : ~~0.32~~ - 0.32 m up/s

+ 0.23 m up/s



(23)

Fine - Warm. Light SW  
breeze.

Water colour up is brown.  
Some large fish activity up.

These early flapping jays  
at 0916 hrs on West  
8/3/06 record.

— 0.06 m up

+ 0.24 m d/s

Water lapping in from Pigeon  
Lake Bank. Some large  
fish swimming in that "current" (locally)

At 0919 hrs I opened a  
the Vase PGP to 31%.

"Rite in the Rain"

(24)

I opened & closed the Fry  
gate several times, closed  
& opened the Fish gate,  
fully opened & closed  
the Fish gate Parlock,  
all to make sure they  
were working & free up  
some fouling growth. Then  
at 0945 hrs I closed  
(locally) the Bayview gate  
Parlock (Vene flange  
on Wed 8/3/2006).

Vene esky flange  
ganges at 1038 hrs on  
Thurs 9 March 2006 read  
approx -0.09 w/s, +0.33 d/s

(25)

At 1040 hrs on 9/3/06 I opened  
the Vane Poyard Gate Reservoir  
to 30%.

Wings of why flange  
gears at 1058 hrs on  
In 9 June 2006 read

— 0.335 m u/s  
+ 0.36 m d/s

There are ~60 pelicans  
u/s (100 m + roosting) of  
the flange. At least 20  
of these were ~20-30 m u/s  
of gates + on the water  
when I crossed.

"Rite in the Rain"



(26)

At 1108 hrs on Th 9 March 06  
I closed the Vorse Bypass  
gate Reservoir.

At 1437 hrs on Fr 10/3/06

I opened (briefly) the Vorse  
Bypass gate Reservoir to 30%  
and closed it at 1444 hrs.

At 1303 hrs on Sun 12/3/06

I opened (momentarily) the Vorse  
Gate Reservoir to 29%.

At 1325 hrs on 12/3/06 I opened  
(momentarily) the Whinnery Gate Reservoir  
to 28% and closed it at 1347 hrs.



(27)

Working using floodgate gauges.

At 1427 hrs on Mon

13 March 2006 need

eligible u/s

+0.11 d/s

At 1432 hrs I opened the  
first gate Penstock to 30%

and at 1454 hrs I closed

it (briefly).

Verne using floodgate gauges

at 1500 hrs on 13/3/06

need

~~0.085~~

0.085

+0.11 m d/s

"Rite in the Rain"

(28)

Tues 14 March 2005  
Report of fish passing in floodgates  
from Gilbert Strömmer in Gleditsia  
at 1030 hrs.

1045 hrs <sup>low thousands</sup> many hundreds of mullet  
swimming in the inflow from  
the Fish Gate (Vance). At 1047

hrs I closed the Fish Gate  
Penstock and opened the Royce  
Gate Penstock to 30%. At  
1052 hrs I opened it to 100%.

At 1059 hrs I closed the  
Royce Gate Penstock and re-opened  
the Fish Gate Penstock to 30%.

(29)

St 1105 has the number of  
mallet surging on the  
inflator was much reduced  
(less).

---

St 1816 hrs on Wed  
15 June 2006 I opened  
(locally) the Vase Port  
gate Pembroke and Poyper  
gate Pembroke to 100%,  
in response to phone  
calls from Jen Mitchell  
(GeoCatal) at approx 1730 hrs.  
Conditions calm, Fine,  
Warm.

Water levels - 0.075 up  
"Rise in the Rain".



(30)

and  $+ 0.10 \text{ m d/s}$ .

This action produced a strong  
flow in.

At 1831 hrs on Wed 15/3/06

I opened (locally) the  
Lowering First Gate Penstock  
to 31%.

Gate readings were:

$c - 0.37 \text{ m/s}$

$+ 0.105 \text{ d/s}$

At 0614 hrs on Thur 16/3/06.

I closed the Upper Poyang  
Gate Penstock completely



(31)

and closed the Valve  
Fish side Penstock to  
30%.

At 0620 hrs on 16/3/06  
the Valve is being phosphorylated  
ganges near  
— 0.06 u/s  
approx + 0.04 d/s

Worms are eating phosphorylated  
at 0625 hrs. There are c 40  
fishes 10-20 m upstream  
of the phosphorylated and another  
c 60 fishes 150 m upstream,  
on the water.

At 0627 hrs (16/3/06)  
"Return the Rain"

(32)

I closed (locally) the  
Wannings Fish gate Penstock.

At 1306 hrs on Th 16/3/06  
I closed (locally) the Wanne  
Fish gate Penstock.

---

At 0530 hrs on Fri 17/3/2006  
I opened <sup>(locally)</sup> the Wanne Fish gate  
Penstock to 30%.

At 0538 hrs on 17/3/06 I  
opened the Wannings Fish gate  
Penstock to 30%. Water levels  
~ 0.07 m up, + 0.30 m up.

(33)

At 1050 hrs on Fri 17/3/06

I closed the Vase Field gate  
Pasture.

At 1058 hrs on 17/3 I  
closed the Womersley Field gate  
Pasture.

At 1552 hrs on 17/3 I  
opened the Vase field Pasture  
to 30%.

At 1620 hrs on 17/3 I  
opened the Vase Field gate Pasture  
to 50%.

"Rite in the Rain"



(34)

At 0924 hrs on Sat 18/3/06

I closed the Venn bypass  
gate Penstock. Water  
levels were:

- 0.025 m a/s

+ 0.31 m d/s

I also closed the Fish Gate  
Penstock from 30% to 20%.

At 1025 hrs on Sun 19

March 2006 I reduced the

Venned Fish Gate Penstock opening  
to 15%. Gate Readings

- 0.05 m a/s, + 0.43 m d/s.



(35)

Womung using flowmeter gauges  
at 1034 hrs on Sun 19/3/06

read:  $c = 0.35 \text{ m w/s}$

$+ 0.44 \text{ m d/s}$

~~$c = 0.35 \text{ m w/s}$~~

These dead fish in the culvert  
still stink and some are  
still flocking at the surface.

---

Womung using flowmeter gauges at  
0940 hrs on Mon 20/3/2006

read  $c = 0.06 \text{ m w/s}$

$+ 0.39 \text{ m d/s}$

Womung using flowmeter gauges  
at 0950 hrs on 20/3

"Rite in the Rain"

(36)

read:  $e - 0.35$  m u/s  
 $+ 0.39$  m d/s -

At 0957 hrs on Mon  
20/3/2006 I opened the  
Worming Ford gate Renduck to  
20%.

At 1505 hrs on Mon 20/3/06  
I opened the Worm Ford  
gate Renduck further, to  
30% and the Poygord  
Gate Renduck to 30%.

At 1518 hrs on 20/3 I  
closed the Worming Ford Gate  
Renduck.

(37)

Qt ... has on 1.1.06  
21/3/06 Ywma closed  
(remotely) the Vase  
Longest of the Pinstock

Qt 160.9 has on 21/3/06  
I closed (locally) the Vase  
First of the Pinstock

Some readings were:

- 0.02 m w/s

+ 0.49 m d/s.

moderate SW grade

Vase estuary floodgates gauges at  
1443 hrs on 23/03/06 read:  
- 0.01 m w/s, + 0.40 m d/s

"Rite in the Rain"



(38)

Worming estuary phanogelion  
ganges at 1450 hrs  
on Thurs 23/03/06 need:  
illegible u/s  
+0.41 d/s

Vern estuary phanogelion ganges  
at 1434 hrs on Fri 24/3/06  
need: -0.02 u/s  
+0.30 d/s

Worming estuary phanogelion ganges  
at 1440 hrs on 24/3/06  
need: illegible u/s  
+0.30 d/s  
but must be ~~less than~~

(39)

Lower Res — 0.40 m  
became water level is lower  
Res 100% over "flow  
plate" of Fish Gate.

Dead fish in Rongguai fish  
Reservoir culvert still strike.

At 1442 hrs on Fri 24/3/06  
I opened (locally) the Womung  
Fish Gate Reservoir to 20%.

At 1019 hrs on Sat 25/3/06  
Womung Estuary gauges need  
elkybb up/s  
+ 0.105 d/s  
"lets in the rain".

Oct 1021 hrs on Sat  
25/3/2006 I closed  
(loosely) the Downings  
End Gate Penstocks

---

Downings ploughgate gauges  
at 1028 hrs on Sat 25/3/06  
read: — 0.03 m u/s  
+ 0.11 m d/s

---

Downings Estuary ploughgate gauges  
at 1024 hrs on Mon 27/3/06  
read: — illegible u/s  
+ 0.13 m d/s



(41)

At 1026 hrs on Mon 27/3/06  
I opened (locally) the  
blowing Freshwater Reservoir  
to 20%. The  
w/s water level was  
below the floor of the  
100% open Freshwater.

Then taking floodgate jugs at  
1035 hrs on 27/3/06 read  
— 0.055 w/s  
+ 0.13 on d/s.

At hrs on Mon 27/3/06 I  
closed (remotely) the blowing  
Freshwater Reservoir.

"Return to the Rain"

(42)

At 0952 hrs on <sup>Tue</sup> 28/3/06  
I opened (manually) the  
Downing East Gate Penstock  
to 18%.

At 1423 hrs on <sup>Tue</sup> 28/3/06  
I closed (locally) the  
Downing East Gate Penstock.

At 1551 hrs on <sup>Tue</sup> 28/3  
I opened (manually) the  
Downing East Gate Penstock  
to ~~20%~~ 23%.

At 1617 hrs on <sup>Tue</sup> 28/3  
I opened (manually) the  
Downing Payson Gate Penstock

(43)

to 35% and the Vase  
Fresh gate Pressure to 32%  
(from 23%). This was  
because of potentially fish-bait  
brown bloom and regret  
of lowish Dissolved Oxygen  
level yesterday mid-afternoon.

QC 1740 hrs on Tue 28/3/06  
I closed the Vase bypass  
gate Pressure and reduced  
the opening of the Vase  
Fresh gate Pressure from 32%  
to 21%.

"Rite in the Rain"



Vene closing floodgate jays  
at 0928 hrs on Wed 29/3/06

reed: — 0.03 u/s  
+ 0.07 d/s

at 0930 hrs I closed (locally)  
the Vene flood gate Parabol

attempted to — it closed

to 12% and then  
flood developed.

Success at 0935 hrs  
(closed fully).

(45)

At 1139 hrs on Thurs  
30 March 2006 I opened  
(remotely) the Womrings  
Fish Gate Penstock to 31%

Womrings estuary floodgates  
at 1335 hrs on Thurs 30/3/06  
read:  $-0.05$  in/s  
 $+0.16$  d/s.

Womrings estuary floodgates  
at 1345 hrs on Thurs 30/3/06  
read:  $-0.05$  in/s  
 $+0.16$  d/s

At 1348 hrs on 30/3 I closed  
(locally) the Womrings Fish Gate Penstock.

"Rite in the Rain"

(46)

At 08:06 hrs on Sun 9/4/2006

pages of Womney estuary  
flangeholes need:

5 eligible a/s

+ 0.375 d/s

Dead fish in estuary still small  
but no longer visible at surface.

Water level at least 5 cm

below floor plate of open fish

Gate

At 08:11 hrs I opened the Womney  
fish gate pens to 20%.

Vase estuary flangeholes pages

need:

— 0.08 a/s

+ 0.39 d/s



(47)

At 0822 hrs on Sun 9/4/06  
I opened the Vase Fish Gate  
Penstock to 20%.

---

At 1046 hrs on Mon 10/4/06  
I closed (remotely) the  
Downing Fish Gate Penstock.

At 1050 hrs on Mon 10/4  
I closed (remotely) the  
Vase Fish Gate Penstock.

---

At 0956 hrs on Wed 12/4/06  
I opened (remotely) the Downing  
Fish Gate Penstock to 20% and  
at 1540 hrs I closed (remotely) it.  
"Rite in the Rain"

(418)

At 1557 hrs on Mon 17 Jun  
2006 I opened (remotely) the  
Womung Fish Gate Penstock to  
20%.

---

At 1650 hrs on Sun 23 Jun  
2006 I opened (locally)  
the Womung Fish Gate Penstock  
to 20%.

---

At approx 0700 hrs I  
closed ~~the~~ (locally) the  
Womung Fish Gate Penstock

---

(49)

On Sunday 30 April PM I checked  
Worming eating phaeophytes - OK.

At 1326 hrs on Mon 1 May 2006

I opened (remotely) the Vase  
Freshwater Penstock to 29 %

(due to receipt of email from DoE).

Several groups of v. high levels of potentially  
fish-toxic algae).

At 1530 hrs on Tues 2 May 2006

The Vase eating phaeophytes gauges

read 5 - 0.06 m w/s

+ 0.37 m d/s

Overcast - light SW breeze.

At 1533 hrs I closed (locally) the Vase  
Fresh Lake Penstock to the main.



(50)

At 1437 hrs on Fri  
5 May 2007 I opened (loosely)  
the Valve Fish Gate Penstock  
to 25%

At 1242 hrs on Sunday 7 May 2006  
I closed (nearly) the Valve  
Fish Gate penstock. NO!  
I lost communication before  
it completed closure.

At 0940 hrs ~~2~~ on Mon  
8 May 2006 I checked  
Valve along penstock and  
found that the Fish Gate  
Penstock was still 25%  
open. Tried to close it.

(51)

locally but it stayed  
closing at 10.8% open  
and I don't close no  
further. Fault by the  
cable on. So I  
closed the Valve Fast.  
gate itself (all done  
locally).

Rang John Moore + regular problem.  
Then gave one last try to Pinpoint  
closed, so I then opened  
the Fast gate itself.

At 0958 hrs water levels  
were - 0.06 m up  
+ 0.28 m up

Fine. Sunny. No wind.  
"Hitting the rain".

Worming Eelgrass floodgates  
ganges at 1545 hrs  
on Mon 4 Sep 2006

need:  $+0.36$  m u/s  
 $+0.34$  m d/s

All the stop boards are out  
Water is flowing out

One very large (2 ft diameter,  
4 ft meter long) log jam at  
water edge between road  
bridge & floodgate, grounded  
on SW shore.

1 pine domestic (millen) d/s





(53)

Vase taking photographs  
at 1554 hrs on Mon

4/9/06 read  
+0.39 up

reasonable up

Water flowing out

The ship boards are all  
still out

Mouth of Lowmings that is  
open. Water flowing out  
at a rapid rate. Tide  
is low. 1600 hrs on  
Mon 4/9/06.

---

"Rite in the Rain"

(54)

Worming estuary floodgate gages  
at 1220 hrs on Fri  
8/9/2006 read:

+ 0.22 m d/s  
+ 0.10 m u/s

} all  
"stop boards"  
in.

Change boards at Vasee floodgates  
were illegible. All "stop  
boards were in here too.

Vasee estuary floodgates  
on Wed 25/10/06  
gages read  
+ 0.375 u/s  
= + 0.38 d/s  
at 1044 hrs.

(55)

Fwd gate was 100% open  
At 1046 hrs I pressed button to  
close it.  
1053 hrs it was fully <sup>closed</sup> open. I  
then pressed ~~the~~ button  
the "open" button & fully opened it.

Opened & then closed the Fwy  
Gate. The "Gate Open" light  
came on, but the "Gate Closed"  
light did not.

1255 hrs. I pressed button  
to open the Fwy gate. Pink light  
it fully opened. I then fully  
closed it.

"Rite in the Rain"



(56)

## DANGER

This equipment is automatically  
controlled and operates without warning.

Physical injury can result from  
contact with this equipment or its action.

AVOID THE DANGER - KEEP CLEAR

WATER

Implosion

Telephone 13 13 75

There are three on the top side  
of the structure (One on each long  
running gate & portable generating  
gear).

At 1107 hrs I passed the bottom  
to open the First gate Portals.

(57)

There are 1,000 - 2,000  
medium to large mallets among  
2 - 10 inches up of the floodless.  
At times at surface and at times  
near bottom.

Water v. gently flowing in  
from open First gate to open  
First gate Parabolic.

It took 3 attempts to close  
the First gate Parabolic. I  
suspect due to floating.

Note that all the "stop boards" are  
in place. Up's water level is  
a few cm below top of "stop boards" &  
"Retain the Rain".

(58)

Womeng Estuary floodgates  
gates at 1121 hrs

Read:  $+0.38$  m d/s  
 $+0.05$  m u/s

1 pair of grey Duck with  
9 Class I ducklings on u/s side  
of floodgates

I successfully opened & closed the  
Kish gate Rambocks, Pungue gate Rambocks  
and Kish gate and Foy gate

All work done except Foy  
gate ~~"open"~~ "closed" light did  
not come on



(59)

All "stopbanks" are in  
water level up is well  
well below (0.35 m below?)  
top of "stopbanks".

Winnipeg Inlet mouth at  
1155 hrs on 25/10/06

Sand bar is closed. It is  
50 metres (approx) from  
inner remains of last cut  
channel to water's edge of  
Gauguin Bay. Top of bar  
here is approx 1 metre  
above Inlet water level.  
"Rite in the Rain".

(60)

The "remnant" cut is  
c 40 m wide (paved)  
and its western edge is  
70 m (paved) from  
Shore post.

It is 80 m (paved) from  
Shore post to edge of  
Donkey Inlet (ie due  
south) and it is  
70 m (paved) north  
from Shore Post to western  
edge of Gungah Bay  
→ a cut here would have  
to be  $80 + 70 = 150$  m long.

(61)

Umsa Estuary floodgates

Thurs 31/10/06 gauges

read: +0.365 m/s

+0.34 m/s

Tested the flood gate lock  
by fully opening & closing it  
locally. It worked OK.

from 6 Nov 2006

Coastal drain from mouth  
of Warrumbidgee River to gauging  
near Laguna Rd bridge.

*Archytrea populicola* \* (Introduced)  
(Dune vegetation) - in Phacelia

*Cathula punctata* \*  
(San Robert)

"Rite in the Rain"



Fri 03 Nov 2006

Wong's Inlet mouth

470 metres of eroding  
coastline (walked + measured  
by GPS)

NE limit is WPT 170

SW limit is WPT 169

WPT 168

is entrance to small sandline lagoon

WPT 167

is shore "no vehicles beyond here"  
post - This is also the NE

(63)

limit of coastal dune vegetation.

WPT 166

is NE limit of "definitely perennial"  
coastal dune vegetation, this  
being "~~the~~ *Spinifex*"

WPT 165 is the end (over water)  
of the viewing platform on the  
shoreline of Horsey Inlet,  
near the beach mouth.

WPT 164

is current NE limit of waters of  
Horsey Inlet, which is closed  
by a sandbar.  
"Rite in the Rain"

(64)

The recent track follows the  
edges of the current Wonnep  
Inlet waterbody, as walked  
on foot today with GPS.

WPT 171 is start of downy vehicle  
in SW direction back to the  
Wonnep Beach car park, along the  
water's edge.

WPT 172 is

centre of Wonnep Beach car park.



Mon 6 Nov 2006

Coastal dunes from mouth of  
Womney Inlet to carpark near  
Lagman Rd bridge

- *Arctotheca populifolia* \* introduced  
(Dune cabbage) in flower

- *Cakile maritima* \*  
(Sea Rocket)

- *Carpobrotus viridescens*  
(Coastal Peppercorn)

- *Euphorbia paralias* \*  
(Sea Spurge)

- *Palagonium capitebubum* \*  
(~~Rock~~ Palagonium)  
"little the name"

- *Sparganium hirsutum*  
(Hairy Sparganium)
- *Lygodesperme glaberrimum*  
(Coast Swamp-sedge)  
(Formerly *Lygodesperme nodosa*)
- *Ficinia nodosa*  
(Knotted Club-rush)
- *Amphiplex acuminata* \*
- (Maroon Grass)

<sup>tentative</sup>  
All of these above ID's  
need to be confirmed.



Wed 15 Nov 2006

Mouth of Browns Lake

— together was closed

collected plant samples

from <sup>home</sup> ~~there~~ on ~~the~~ west

side of mouth.

- $H_2S$  (presumably) bubbles rising

Thomomys talpae fluvialis  
gambelii alt. # 1381 tons

Head: oblique (snout + 0.37)  
2/5

i.  $\rightarrow 0.055$  m/s.

Water flowing in Broughton Fish  
Gate.

East Gate Passhole was open 28.9%

(Ask Gabe "Rings the Alarm" 3<sup>rd</sup> 2<sup>nd</sup>)



(68)

I closed the Godbole  
Passlock (locally) at 1356h  
on ~~Wed~~ Wed 15 Nov 2006

Who had opened the FGP  
When? Why?

cc 50 med-large mullet  
on u/s side of floodgates  
(~~also~~ 22m c 2+ m u/s)

Verne entering floodgates  
ganges at 1405 hrs on  
Wed 15/11/06 read:

eligible (approx +0.3m) u/s

eligible (approx +0.25m) d/s

(69)

Frequent seeds in the water  
u/s. Water appears  
greenish brown u/s.

Definite IDs of plant specimens  
collected by me at mouth of  
Winnings Inlet today are

- *Erythraea purpurascens* \*  
(fruit in early stage of  
development)

- *Celtis occidentalis* \*  
(late stage flowers plus  
early stage fruit)

- *Tetragonia decumbens* \*  
(See Sp. 100) (Flower at  
various stages)  
(Fruit at early stage)

"Rite in the Rain"

70

- *Arctostaphylos* *popalifolia*  
(~~8~~ "Dune Cassage")  
(flowers + early stage  
fruits)

Mon 27/11/06

Have eating *Phragmites* again  
at 1650 hrs near

itlylle up

itlylle up

Intense green algal bloom up

Patch c 6m x 10m of

green spon in corner up -

and more patches further

up



(71)

Water is dark greyish  
brown d/s.

Fine, Sunny, later  
moderate NW ~~and~~ winds

Landings along floodgate gauges  
at 1659 hrs on Mon 27/11/06  
reads in illegible d/s  
illegible d/s

Dark brown d/s.

Vorse estuary floodgate gauges  
on Tues 28/11/2006 at  
1800 hrs read:  
+0.23 m d/s  
+0.20 m d/s

Overcast. No wind. Light rain (shower)  
"Rite in the Rain".

(72)

Cold front + 25-30 knot winds  
expected this evening.

Severe algal bloom (blue-  
green) w/s with subterranean  
seaweed. Extends at least  
100s of metres w/s.

Lowry's algal flange. Jager  
at 1513 hrs on Thu 28/11/06.

read 3 ~~algal~~ w/s  
+ 0.20 m d/s

- 0.145 m w/s

73

Wormy

QC 1010 hrs (summer time)  
on Tues 16/01/2007  
I opened (remotely)  
the Wormy Fish gate Pensholes  
to 100%.

QC 1033 hrs (summer time)  
on Tues 16/01/07 I  
closed (remotely) the Wormy  
Fish gate Pensholes

QC 1550 hrs (summer time)  
on Tues 16/01/07 I opened  
(locally) the Wormy Fish gate  
Pensholes to 31%.

"Rite in the Rain"



(74)

Womens Estuary mouth  
at 1600 hr on Wed 29/4/06

Beach is still closed. Unusually  
high tide last night resulted  
in some water flowing over  
the top of the beach and  
into the Inlet. Might  
have raised the Inlet water  
level a centimetre or two.

Womens Estuary floodgate gauges  
at 1610 hr on 29/4/06

read = negligible up/s  
+ 0.21 m d/s

Water up/s is grey brown.

(75)

Time: Cool. Mildly & gently.  
WNW wind.

Tens of pelicans camped  
150 m up.

Large strong flocks of gulls.

at 1617 hrs on Dec 29/11/06

read:  $+0.25 \text{ m up/s}$

$+0.20 \text{ m d/s}$

Wind & rain overnight has  
reduced the scumming but  
green algal bloom is  
still intense / severe.

Large strong flocks of gulls.

at 1306 hrs on Dec 30/11/2006

read:  $+0.24 \text{ up/s}$   $+0.19 \text{ d/s}$

"Rite in the Rain"

76

Water up is intense  
green colour, with faint-  
like appearance. Large net  
on surface in S corner ( $\approx 10 \times$   
15 m triangle) of the "cage"  
that lifts from the underwater  
bed. Could not see  
if fish present. 14BC fishing  
After blowing snells (while  
standing on flopple structure).

Lowering along flopple ganges  
at 13.19 hrs on Th 30/11/06  
read: 2.44 m/s  
+ 0.20 d/s

Water up is greyish brown.  
No fish activity evident up.



(77)

Monday 4 December 2006

Very strong fog.

Spent 6 hrs fishing 5-10 m

ups of floodplain at 1425

was WESTERN SUMMER TIME

Floodplain gorges near:

+0.22 m ups

legible d/s

at 1430 hrs

Severe blue green silt bloom

ups. Strong smell from bloom.

Wind moderate SW.

Fine. 60% cloud.

"Retain the Rain"

(78)

Thurs 5 Dec 2006

Mouth of Dungeness Inlet

Inspected cut through  
sandbar, which had been  
completed at approx 0600  
- 0700 hrs (W SAT) this  
morning. Took digital  
photos. Tide very low.

Water pouring out of Inlet,  
through cut, at a fast  
rate. Strong smell of  
 $H_2S$ . Cut is approx

7-8 m wide. and was  
made at narrowest position on  
sandbar. Cut is ~~at~~  
~ 100 metres (98 paces) NE  
of shore post.

(79)

Vermilion phalaropes at  
on Mon 5 Dec 2006.

I opened the Ford gate  
Barracks at 0814 hrs (WST)  
to allow some outflow in  
an attempt to release it  
but some of the accumulated  
white-green clay seeped from  
the up/side of the phalaropes.

Eggs, pullets, crows, ...  
chicks were feeding on small  
food up/side of the phalaropes  
at approx 0715 hrs (WST)  
this morning.

"Rite in the Rain"



(80)

Was taking photographs  
on Fri 15/12/06  
at c 1920 hrs (summer  
time). I opened the  
Pumped gate Penstock,  
thus allowing more water  
in, but unfortunately the  
closed (unable to be  
easily opened) reverse  
flap valve will prevent  
more outflow.

Also cleaned siphon

(81)

from obstructing floodgates.

Flood gate is still open  
(I opened it 2 weeks or  
so ago).

---

2006

Wed 27 December ~~2007~~  
Versus other floodgates  
I closed Vole Piggard  
Gate Pond at 1110 hrs  
(sunny day). A lot of  
silt mat has risen to  
the surface upstream of  
the floodgates.

"Retain the Rain"

(82)

At 1135 hrs (summer time)  
on Wed 27/12/06 I  
opened the Wanning  
floughgate Fish Gate  
Penstocks to 100% power  
allowing inflow.

At 1416 hrs I closed  
the Wanning Fish Gate  
Penstocks.

---

At ~~11~~ 0950 hrs (summer  
time) on Tues 09/01/2007

I closed (manually) the  
Vasse Fish Gate Penstocks



(83)

So I was concerned  
that too much water  
had been flowing in,  
keeping the Vase water  
level too high.

QE has on Tues 9

Jan 2007 I re-opened  
(to ~~30%~~ <sup>33%</sup>) the Vase Fish  
to the Parstock  
(to 33% only)

QE 1323 hrs (summer time)  
on Wed 10/01/2006 I  
(locally) opened the Worming Fish  
"Return the Rain"

(84)

Gate Penshole to 29.9% )  
(Fish hole is 100% open) in  
order to let water in  
so as to raise the water  
level in the estuary  
to level with the  
bottom of the Fish gate  
since

---

Verse estuary floodgate gauges  
at 1330 hrs (summer time)  
on Wed 10/01/07 read  
+ 0.10 m w/s  
+ 0.20 m d/s  
water flowing in.  
Moderate SW wind, fine

at 1334 hrs (summer time) (85)

on Wed 10/01/07 I:

closed (locally) the

Dease Fry gate.

and at ~~1335~~ 1337 hrs.

I closed the Fry gate

Penstock.

Womung Julet month at 1344p

hrs (summer time) on Wed

10/01/07. ~~The~~ Gate

in bar is open.

"Rite in the Rain."



(86)

Qt 0812 hrs (summer time)  
on Thurs 11/01/07 I  
opened (it stopped at 14%  
- fault!) the House Fed  
Gate Parabolic (remotely)

Qt 0920 hrs (summer time)  
on Th 11/01/2007 I  
closed the House Fed  
Gate Parabolic remotely.

Qt approx 1030 hrs  
(~~summer time~~) on Fri  
12/01/07 I ~~start~~  
fully opened (to 100%)  
the House Fed Gate

(87)

Restocks (Locally)

At 1525 hrs

(same time) on Mon

15/01/2007 I

closed the Vase

First for Restocks

(Locally)

At 1540 hrs on 15/01/07

I opened (Locally) the Womage

First for Restock to 30%

"Rite in the Rain"

(88)

At 1105 hrs (summer time)  
on Wed 17/01/2007 I  
opened (remotely) the Valve  
Fish Gate Reservoir.

At 1140 hrs on Wed 17/01/07  
I opened (remotely) the  
Womsey Fish Gate Reservoir  
(from 30% open to

At 1540 hrs (summer time) on  
Wed 17/01/07 I closed  
(remotely) the Womsey Fish  
Gate Reservoir.



(89)

Qt 0927 hrs (summer  
time) on Thurs 18/01/2007  
I opened (locally) the  
Winnipeg Fish Gate Parabolic  
to 29%.

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Qt 1000 hrs (summer  
time) on Fri 19/01/07  
I closed the Winnipeg  
Fish Gate Parabolic.

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Qt 1050 hrs (summer time) on  
Wed 24/01/07 I opened to 30%  
the Winnipeg Fish Gate Parabolic

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"Rite in the Rain."

At 1335 hrs (summer time) (90)  
on Thurs 25/01/2007

I closed the Wimmera  
flapgate Fishgate Penstock.

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At 1725 hrs (summer  
time) on Fri 26/01/07

I opened (remotely) the  
Wimmera Fishgate Penstock

to 30%. I closed  
it (remotely) at 1850 hrs on  
Fri 26/01/07

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(91)

At 1850 hrs (summer time)  
on Sat 27/01/2007

I opened (locally) the  
Womney Fish Gate Penstock  
to 30% — in order  
to raise the estuary  
water level to the  
bottom of the Fish Gate  
(-0.4 m AHD).

At 1800 hrs (summer time) on Mon 29/01/07  
I closed the Womney Fish Gate Penstock.

At 1450 hrs (summer time)  
on Wed 31/1/07 I opened  
(locally) the Womney  
Fish Gate Penstock and  
the Popped Gate Penstock  
in order to let water  
"ride in the rain".



(92)

into the estuary because  
the level was several  
centimetres below the  
bottom of the green  
fresh water. At

1500 hrs on same day (31/01/07)

I carefully measured the  
water level. It

was  $-0.41$  m AHD

according to the water level  
plate.

At 1535 hrs (approx time)

on Dec 31/01/07 the

cut in the seabed at  
the mouth of Humber Inlet  
is still open.

93

at 1637 hrs (summer time)  
on Wed 31/01/07 I  
closed (temporarily) the  
Womney Pipped gate Penshoek

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at 1510 hrs (summer time)  
on 01/02/07 I reduced  
the Vane Gate gate Penshoek  
to 33%.

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at 1855 hrs (summer time)  
on Sat 03/02/07 I closed  
the Womney Gate gate Penshoek

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"Kite in the Rain"

94

at 0900 hrs (summer time)  
on Mon 5 Feb 2007 I  
fully opened the Vane Fish  
Gate Penstock.

at 0959 hrs (summer time)  
on Tues 6 Feb 2007 I  
opened (remotely) the Warrago  
Fish Gate Penstock to 30%.

at 1430 hrs (summer time)  
on Tues 6 Feb 2007 I  
~~off~~ closed the Vane Fish Gate  
Penstock to 34%.

at 1435 hrs (summer time) on  
Tues 6 Feb 07 I closed  
the Warrago Fish Gate Penstock



(95)

QC 0950 hrs (summer time)  
on Wed 7 Feb 2007 I  
opened the Wanning Fuel gate  
Penshook to 33%.

QC 1010 hrs (summer time)  
on 7/2/07 I opened  
the Vase Fuel gate Penshook  
to 100%.

QC 1437 hrs (summer time)  
on Wed 7/2/07 I reduced  
the opening of the Vase Fuel  
gate Penshook to 33%.

QC 1513 hrs (summer time) on 7/2/07  
I closed (partially) the Wanning Fuel  
Gate Penshook <sup>due to the rain</sup>.

(96)

At 1380 hrs (summer time)  
on Thurs 8 Feb 2007 I  
opened (locally) to 100%  
the Womby Fish gate Ruckaba

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At 1343 hrs (summer time)  
on Thurs 8 Feb 07 I  
closed the (locally) the  
Womby Fish gate Ruckaba  
because the water level up  
(~~the~~ - 0.05 m) was  
higher than target (- 0.10 m)

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(97)

At 1014 <sup>(summer time)</sup> hrs on Fri 9 Feb:  
2007 I opened the Vase  
Fish Gate Percolator to allow  
outflow (however tide is  
rising & outflow will be  
limited)

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At 1435 hrs (summer time)  
on Fri 9/2/07 I  
closed (manually) the  
Housing Fish Gate Percolator.

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At 0930 hrs (summer time) on  
Mon 12/2/07 I closed the  
Vase Fish Gate Percolator - and  
at 1630 hrs I opened it to  
28% "Rite in the Rain".



(98)

At 0938 hrs (same time)  
on Thurs 13 Feb 2007

I closed the Vane Field  
gate Penton.

At 1647 hrs (same time)  
on Thurs 13/2/07 I  
opened (totally) the  
Vane Field gate Penton  
to 30%.

At 1658 hrs (same time)  
on Thurs 13/2/07 I opened  
the Worrey Field gate Penton to 31%.

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(99)

At 0850 hrs (same time)  
on Wed 14/2/2007 I  
closed (remotely) the  
Vance Fish gate Penstock.

At 1625 hrs (same time)  
on Wed 14/2/07 I  
opened (remotely) the Vance  
Fish gate Penstock to 37%.

At 1630 hrs (same time)  
on Wed 14/2/07 I closed  
(remotely) the Womney Fish  
gate Penstock.

⌒ was attempt successful?

"Rite in the Rain"

(100)

At 0955 hrs (summer time)  
on Thu 15/2/2007  
I closed (remotely)  
the Womung Fish gate Randwick.

At 1005 hrs (summer time)  
on Thu 15/2/07 I  
closed (remotely) the Vase  
Fish gate Randwick.

At 1036 hrs (summer time).  
on Thu 15/2/07 I  
opened ~~the~~ (remotely) the  
Vase Fish gate Randwick  
to 39%.

~~At 1036 hrs (summer time)~~  
~~on Thu 15/2/07 I~~  
~~opened the (remotely) the~~  
~~Vase Fish gate Randwick~~  
~~to 39%.~~