

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)

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)_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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<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)

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_(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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(Revised Index of 07/6/2014)

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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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(Revised Index of 07/6/2014)

<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)

"Rite in the Rain"
ALL-WEATHER WRITING PAPER



SHIRT POCKET

All-Weather Notebook

No. 135

No. 54

Jan 05 - Feb 2006

3" x 5" - 50 Horizontal line sheets

Tilene 04619 954541

(1)

Sat 29 January 2005

Wommings estuary photofacts
at 0647 hrs

— 0.035 d/s

— 0.46 m u/s

Fine. Mild. Very light.

E breeze

NEED TO BE ABLE TO CLEAN
SEAGRASS FROM STRUT
OF FISH GATE.

"Let it be rain"

(2)

- No fish activity a/s.
- Very few birds (a few ducks + shelt)
w/s.

- Water brown + reasonably clear (can see bottom where shallow).

I switched the Fish Gate Recorder started from Local to Remote at 0653 hrs and

(3)

The FGL opened
automatically to
28.6% open.

Somebody (Zorn?) must
have left the computer
setting on $\approx 30\%$
open. I NEED
TO CHANGE PUES.

Vase estuary fluffies
~~at~~ at 0707 hrs
"Rite in the Rain."

(4)

on Sat 29/1/05 gages
read: -0.06 m/s
 -0.10 d/s

Water is flowing gently
out

When I arrived there was
a school of 500-6,000
small (10-15 cm) silver
fish over a shallow
sandy area ($\approx 20 \text{ cm}$ deep)
near the S shore, 25-30 m
W of pier. most are

hanging / swimming gently
in the water in close
proximity to each other over
an area 10 m long by
1 m wide. (continued)

jumping and ~~floating~~
in the air such that

2-5 fish are in the air
every 10 seconds. There

appears to be very little feeding
or other activity happening.

They are all the same size.
Most of the time they are
just hanging in the water.

They don't appear stressed.
— "Return to the Rain"

(6)

This activity was still
happening with the
same amount of
intensity when I left
at 0725 hrs.

Water colour w/s was greenish.

There was one ♂

CHESTNUT TEAL

in a flock of ~ 12 Teal
+ 2 (aBD) 30 m

W/s of Vase Edge phragmites
near N bank at
0729 hrs on Sat 29/1/05.

Mon 31/01/05 - 9

opened the Warragee
Fish Gate Penstock to
30% at 0851 hrs.

(remotely)
I closed the Warragee FGP
at 1505 hrs (on 31/1)

Tues 1 Feb 2005

I opened (remotely) the
Warragee Fish Gate Penstock
to 30% at 0849 hrs.

~~It then went offline~~
30%. I closed it
at 1.19 pm on 1 Feb.

"Rite in the Rain"

(8)

Wed 2 Feb 2005

I opened (nominally)
the Womney Fish Gate
Reactor at 0902 hrs
to 30%.

I closed this FGP at
1550 hrs

Womney estuary flange
on Wed 3 Feb 2005
at 0637 hrs

— 0.44 up/s

— 0.12 d/s

Fine. Warm

Light E breeze

(9)

approx 8 pillars +
some dikes + shift
on w/s side of
fluvial

Very strong fluvial
on Th 3/12/85

at 0649 hrs.

- 0.09 w/s

(Cor - 0.08 ?)

- 0.17 d/s

Fish jumping - w/s
(averaging c 4 per 10 sec)

Water flowing out

"Rite in the Rain"

(10)

(Locals)

Tricked, leaving the Vase
Fuel fire Control 50%, 75%,
40% and then 33% open

Switched switch from Local
to Remote. Vase Fuel fire
Control closed (this is a
FAULT). It had been 100%
open.

Returned to office
~~some~~ ~~0710 hrs~~ ~~0710 hrs~~. Remotely
opened the Fuel fire Control
to 33% at 0719 hrs.

(Remotely)
Opened the Landing ~~Lighting~~
Fuel fire Control to 30%
at 0721 hrs.

(11)

Close Worsening Fr
Gete Renduk at
1525 hrs on Th 3 Feb 04

Fri 4 Feb 2005

I opened (remotely)
the trap Feb 4th
contact to 30%
at 0901 hrs

(Closed it remotely at 1524
hrs)

Worsening Esling Pluvial
gauge at 1315 hrs on Sat 6/2/05

-0.45 u/s

+0.12 d/s

"Rite in the Rain"

(12)

1320 hrs - opened (locally)
F&B gate Penstock to 30%.

1324 hrs - switched
switch from Local to
Remote - the F&B closed.

Verona estuary floodgate
closes at ~~1333~~

1333 hrs on Sun 6/2/08

read - — 0.08 w/s
+ 0.12 d/s

Water flowing in.

1352 hrs on Sun 6/2/05
 I ~~also~~ opened (remotely)
 the Wonnang Fish Gate
 Penstock to 30%.

At 0912 hrs on Mon
 7 Feb 05 I closed
 (remotely) the Wonnang Fish
 Gate Penstock.

At 1040 hrs on Mon 7 Feb
 I reopened the Wonnang Fish
 Gate Penstock, again to 30%
 (only reason for closing it this
 morning was to void the
 water level up by
 means of the camera - but
 I couldn't connect to camera.)

"Rite in the Rain"

(14)

At 1510 hrs on 11 Feb
05 I closed (remotely) the
Wanning Fish Gate Penstock
- because I couldn't
find out the w/s level
by gauge or by camera.

At 1.45 pm on Tues 8 Feb
2005 I opened (remotely)
the Wanning Fish Gate Penstock
to 30% (first opportunity to
open since yesterday). I
checked the water level
by means of the camera
before opening. It was
still below the Fish Gate

(15)

At 1240^{hrs} on Wed 9
Feb 2005 I closed
the Vasee First Gate
Pumpout (in order to
exclude tonight's high tide,
so water level is ^{still} above
target level of -0.10m
MSL).

At 0626^{hrs} on Thu 10 Feb 05
I opened (manually) the
Vasee First Gate Pumpout to 30%

I closed the Vasee First Gate
Pumpout at 1502^{hrs}

on 10/2 "Return the Rain"

(nearly) (16)

At 0907 hrs on Feb 11:
Feb 05 I opened the
Vance Gate gate Reservoir
to 30%.

At 0935 hrs on Feb 11 Feb 05:
I opened (nearly) the
Honnings Gate Gate Reservoir
to 100%.

At 1445 hrs on 11 Feb 05:
I ~~reduced~~ the opening
of the Honnings Gate gate
Reservoir from 100% to 30%.

(17)

Worms eating plangate
on Sun 13 Feb 2005
at 1316 hrs needs

-0.36 m u/s

$+0.315$ d/s

Water flowing in

Light + variable ENE
— wind

Verm eating plangate on
Sun 13/2 at 1323 hrs
needs

c. -0.09 ~~u/s~~ ~~Ref~~
u/s

$+0.27$ m ~~Ref~~
d/s

"Let it in the Rain"

(18)

At 1343 hrs on
Sun 13 Feb 05 I closed
(nearly) the ~~Stahlwiesing~~
Fischbach Brook.

At 1410 hrs on 13/2/05
I closed (nearly)
the Vase Fish Lake Brook.

Water along flumes at
1031 hrs on Mon 14/2/05

— 0.075 up

+ 0.16 d/s

Water up is dark brown
Some fish jumping

Send large number seen (19)

Longs using phytolites
at 1037 Ls on Mon

14/2/08

— 0.36

Open Freshwater floor
plate is only just
submerged (by 1-2 cm?)

on 3-4?

- strong
moderate S@ wind.

"Rite in the Rain."

(20)

Wings Esting
flygula at
1610 hrs on
Mon 14 Feb 05

need

- 0.37 w/s

+ 0.276 d/s

Mudrot - strong SSE
wind - ✓

Wings Esting flygula
at 1616 hrs on 14 Feb 05

need

- 0.07 w/s

+ 0.26 d/s

21
No fresh activity w/s

I opened (remotely) the
Dase Fink Gate Paddock at
1259 hrs on Tues 15/2/05
to 30% (and closed it
at 1425 hrs).

I opened (remotely) the
Llanwrup Fink Gate Paddock
at 1306 hrs on 15/2
to 30% (and closed
it at 1358 hrs).

On Wed 16/2/05 at 0902 hrs
I opened (remotely) the Dase
Fink Gate Paddock to 30%.
"lets in the rain"

22

On Wed 16/2/05
at 0918 hrs I opened
(manually) the Womersley
First Gate Dam to 30%.

and closed it (carefully).
it (35) hrs.

At 1323 hrs on Th 17/2/05
I opened the Wharfedale Food
Centre Bookshop to 30%

Q1 1008 hrs on F 18/2/05
I closed (remotely) the Wemyss
Fast Gate Penstocks, because
I couldn't find out the ^{W/S} water level

(23)

Whompy Estuary fluvial
ganges at ~~V~~
1124 hrs on Fri
18 Feb 2005 read

— 0.39 w/s
+ 0.04 d/s
Ripples are just

rolling onto the floor plate
of the Fish Gate cut

I judge the level
of this to be -0.40
-AND-

Water up is clear. No
sign of fish.

Fine - Mild

Light - moderate SE breeze
"Kite in the Rain"

(24)

KETCH FOREST
RANG THIS AM
CONCERNED ABOUT
THE WATER LEVEL
IN WINDYBARK RESERVOIR
EARLIER THIS WEEK

✓ Vane using floatgates
at 1253 hrs on 18/2/05
read -0.09 cfs (approx)
 $+0.12$ cfs

Water flowing in thru open
First Gate

(25)

At 0858 hrs on Mon
21 Feb 2005 I
~~opened~~ (partially opened)
to 30% (remotely)
the Wonnang Fish Gate
Penstock. I closed
this FGP at 1330 hrs
on 21/2 (same day)

At 1342 hrs on Mon
21 Feb 2005 I closed
the Vase ~~at~~ Fish Gate
Penstock.

At 1400 - 1410 hrs (approx)
I fully closed & fully closed
opened (remotely) the Vase Fish Gate
"Retain the Rain".

(26)

To make sure it still
functions.

At 1129 hrs on Tues 22/2/05

I opened (remotely) the
June Fish Gate Penstock
to 30%.

At 1135 hrs on Tues 22/2/05

I opened (remotely) the
Worming Fish Gate Penstock
to 30%.

At 1858 hrs on Tues 22/2/05

I closed the Worming Fish Gate



Penshook. At 1918 ⁽²⁷⁾ hrs.

on 22/2/05 I closed
the Vase Foot Gate Penshook

Vase estuary floodgates
gates at 0928 hrs on
Wed 23/2/05 read

— 0.10 u/s

— 0.15 d/s

Time. Mild. Light E wind.

Tested the local Penshook Pump
Left Vase Floodgates open to 30%.

at 0955 hrs
Hampy Esly floodgates

gates at 1005 hrs

— 0.405 u/s — 0.095 d/s

"lit in the rain"

(28)

The flow of the 100%
Open Fish Gate is
essentially at ~~8.00 am~~
— 0.60 m

Tested the remote level
function

Went
Left the Fish Gate Lock
open to 30% at 1026 hrs
(on Wed 23/02/05).

I closed (remotely) the
Wang Fish Gate Lock
at 1553 hrs on
Wed 23/2/05

(29)

I opened the
Womby First Gate
Purbores to 30% at 0913
hrs on Th 24/02/05

↖
and closed it at
1446 hrs on 24/02/05

At 0915 hrs on Fri 25/02/05

I opened the Womby
First Gate Purbores to 100%

and closed it at 1419 hrs

"Rite in the Rain"

(30)

Womans E. by Angeles

at 1308 hrs on

on 27/2/05 read

-0.44 w/s

+0.24 d/s

light - moderate NW breeze

Fine, Warm.

Vase by Angeles

at 1315 hrs on 27/2/05

read -0.10 w/s

+0.22 d/s

several large frok (ambt?)

(31)

achne up.

Water flowing in

2 Fritillaria caught 2

crabs (clay pots) and

1 large Dream on

u/s side of papyrus.

At 0905 hrs on Mon

28/02/05 I closed (nearly)

the Vase first gate Remade

At 0912 hrs ^{Mon} on 28/2/05

I opened the Womans

"Gate in the Rain".

(32)

Full Gate Pressure to 100%

I closed it at 1517 hrs
on Mon 28/02/05

At 0915 hrs on Tues 01 March
05 I opened (remotely)
the Vase Full Gate Pressure
to 30%

At 0922 hrs on Tues 01/03/05
I opened (remotely) the
Working Full Gate Pressure to 100%

I closed the Vase Full Gate
Pressure at 1346 hrs on Tues 1/3/05

|| || || || || || || ||

(33)

I closed the Wamsap
First Gate Penton at 1354
hrs on Tues 01/03/05.

Unable to connect to SCADA
on Wed 2 Mar 05 or
Th 3 Mar 05 AM.

At 1334 hrs on Th 03
Mar 05 I opened (remotely)
the Vance First Gate Penton
to 30%

At 1337 hrs on Th 03 Mar
05 I opened (remotely)
the Wamsap First Gate Penton
to 100%. I closed it at
1541 hrs.
"Rite in the Rain."

(34)

I opened ~~the~~ (remotely) the
Hampshire Gate Reservoir
to 100% at 0933 hrs
on Fri 4 March 2005

I closed the Hampshire
Gate Reservoir at 0955
hrs on Fri 4 March 2005

Sat 5 March 2005 Done
away floodgate gauges read:
at 1327 hrs

-0.11 m/s

+0.39 d/s

c 35 large mallets u/s

|||||

(35)

light - moderate NE wind
- overcast

At 1331 hr I opened
(locally) the Vane Fish
Lake Dam to 30%.
Then switched back to
Remede - it stayed open!
Zygote

Wormy shrimp plankton gauges
on Sat 5/3/05 at

1338 hrs read:

- 0.37 w/s

+ 0.40 d/s

"Rite in the Rain"

(36)

There is leakage
in at Bays 1, 2, 3
9 + 10 (of 11 bays)

(There was a lesser amount
of leakage at Vasse
rather than of Levee)

Q6 1041 hrs on Tues 8
March 2005 I opened
(completely) the ~~Wynning~~ ^{Wynning} Air Gate
Pentons to 30%.

At approx 1415 hrs
on Tues 8 March I

(37)

remotely closed and then
opened the Womsey Fish Gate
and then the Fry Gate,
~~and then the Fry~~
opened & closed the Fry Gate
and opened (to c 45%)
and closed the Poyper
Gate & Panstock — just
to test these gauges and
clear fouling.

At 0934 hrs on Fri
11 Mar 2005 I closed
the Womsey Fish Gate & Panstock

At 0942 hrs on Fri 11/3/05
I opened the Womsey Fish Gate & Panstock
(remotely) "kitten in the rain" to 30%.

(38)

At 1724 hrs on Fri 11 March
2005 I closed (remotely)
the Womay Fed Gate Ranch.

(30%)
I opened the Womay Fed Gate
Ranch at approx 12:30 pm
and closed it at approx
3:20 pm on Thurs 15/3/2005

At 3:00 pm on Wed 16/3/05
I opened (remotely) the Vaise Fed Gate
Ranch (to 30%)
Closed at 1540 hrs (3:40 pm)

(39)

At 0925 hrs on Th 17/3/05 I
(to 30%) opened the Wimmering Fish Gate Penstock.
(and closed it at 1501 hrs).

At 0938 hrs on Th 17/3/05
I opened (to 30%) the Vase
Fish Gate Penstock (and
closed it at 1455 hrs)

At 0629 hrs on Fri 18/3/05
I opened (remotely) the
Wimmering Fish Gate Penstock
to 30% (and closed it
at 1701 hrs)

At 0635 hrs on Fri 18/3
I opened (remotely) the Vase
Fish Gate Penstock to 30%
(and closed it at 1545 hrs)

"Rite in the Rain."

(40)

At 0733 hrs on Sat 19/3/05
I opened (reinstated) the
Housing Fund Cake Project to
30%

At 0757 hrs on Sat 19/3/05
I opened (reinstated) the Union
Frd Cake Project to 30%.

Closed Housing FGP at 1824 on Sat 19/3/05
Opened " " at 0819 " 20/3
Closed " " at 2006 on " "
Opened " " at 0859 " 22/3

At 0936 hrs on Wed 23/3/05
I closed (reinstated) the Union Fnd
Cake Project

241
At 1235 hrs on Wed 23/3/05
I opened (remotely) the Vase
Fish Gate Penstock to 30%.

At 0909 hrs on Fri 25/3/05
I closed the Vase Fish Gate
Penstock.

At 1457 hrs on Sat 26/3/05
I closed (remotely) the Vase
Fish Gate Penstock.

At 0847 hrs on Sun 27/3/05
I opened (remotely) the Vase
Fish Gate Penstock.

"Return the Rain"

(42)

Vanu Eotany floodgates
at 1405 hrs on Sun 27

Mud 2005 gages need

-0.10 u/s

$+0.195$ d/s

Water flowing in

Light in breeze

Fine, Warm - hot

Water u/s of grey/green.

Young Eotany floodgates
on Sun 27/3/05

at 1412 hrs

$+0.20$ m d/s

-0.38 m u/s

Water clear u/s

On Wed 30/3/05 I fully 43
closed and then fully opened (again)
the Womersley Fish Gate (all within
a period of 20 mins)

At 0925 hr on Th 31/3/05
I closed the Vane Fish Gate
Purtocks. At 0935 hr

I closed the Vane Fish Gate
(it had been fully open) and then
at approx 0948 hr I fully
opened the Vane Fish Gate ...
(immediately) to 30%

I opened the Vane Fish Gate Purtocks
at 1546 hr on Thu 5 April 2005

(immediately)
I opened the Womersley Fish Gate Purtocks
to 30% at 1547 hr on 5 April 05

"Rite in the Rain"

(24)

Wormy Esley floodgates
at 1729 Vls on Tues

5 Grad coos geyers need

-0.375 w/s

+0.285 d/s

Water flowing in

Fine. Mild. Light S. winds

At 4 1732 I closed

(lovely) the Wormy

Floodgate Ponds

Wormy Esley floodgates

at 1738 Vls on 5/4/05

geyers need:

|||||

— 0.05 w/s

+ 0.29 d/s

Water flowing in.

3+ large snail-like w/s.

RE 1742 hrs I closed
(directly) the Vase Pond
Coche Restock.

I opened ^(manually) the Vase Pond gate
Restock to 37 % at
roughly 12.30 hrs on Mon 11
Sept 2005 and closed
it at 1631 hrs (same day)
"Rite in the Rain."

(46)

Qc 1501 hrs on Mon 11
I opened (manually)
the Vanner Feed gate
Parade to 33%
(and closed it at 1637 hrs)

Qc 1337 hrs on ~~Mon~~
Th 14 Sept 05 I
opened (manually) to
32% ~~the~~ the Vanner Feed
gate Parade. — and
closed it at approx 1632 hrs.

at 1303 hrs on Thu 19/8/05
I opened (manually) the Vanner
Feed gate Parade to 28%.

1 1 1 1 1 1 1 1

(17)

Q6 1450 hrs on Tue 19/4/05
I closed (remotely) the
Vane Fst file Control.

Q6 0904 hrs on Wed 20/4/05
I opened (remotely) the
Vane Fst file Control to 33%.
And closed it at 1609 hrs.

Q6 2328 hrs on Wed 27/4/05
I opened (remotely) the Vane
Fst file Control to 32%,
having just received today's
(low) DO readings.

"Rite in the Rain."

(48)

Longways estuary
flange gages at
1207 hrs on Th 28/4/2005
read

- 0.40 u/s

+ 0.35 d/s

Moderate - strong SE wind
Fair - Cool

These estuary flange gages
at 1217 hrs on 28/4/05
read

- 0.05 u/s

+ 0.36 d/s

Water flowing in through



open fish gate ~ (49)

lit test lens, probably
shard broken, Blue

Green coming on the
w/s side, in the water
currents. Very active.

at 1733 hr on Fri 29/4/05
I closed (manually) the
Vine fish gate (intake).

"Return the Rain."

(51)

All species		Sp
76-77	176,000	67
	61,000	
96-97	60,000 birds	60
98-99	44,000 Lb	36
	45,000	

Terns & Mergansers		Sp
76-77	24,000	19
96-97	17,000	18
98-99	19,000	16

Most abundant and species		Sp
76-77	Best	63, 000
96-97	Ran Shunt	15,000
98-99	Ran Shunt	16,000

"Rite in the Rain"

Wonnang Estuary floodgates ⁽⁵³⁾
on Tues 20 September 2005

at 1452 hrs

+0.34 m w/s

+0.47 m d/s

Force - light NW breeze.

Water w/s is uniform dark brown.

Slip boards are still out

Tested the Fish Gate & Key Gate operation.

- Key lock fully opened and finally
closed OK.

~~100, 193, 19~~

Mouth of Wonnang Inlet
"Rite in the Rain".

on Thurs 22/9/05.
at 1525 hrs The (54)

"mouth" has migrated ~~large~~
a long way NE along the
coastline. The break

outflow is 480 metres NE
of the big point where the
cut is usually made.

The most recent high tide
overtopped the 100 metres
of sandbank closest to the outflow.

Thurs 1 Dec 2005. Vess. taking
flange gauges at 1250 hrs
read: +0.37 up

+0.04 up

Wind light NW. Fine.
Sunny. Mild.

Large boulders of
green macrophytes (Ruppia
& Ulva?) on up side
of flange, extending c 10-50
metres up-bank. Water
level up is slightly below
top of steep bank.

Lowest Inlet mouth at 1308 hrs.
Cut is open. Could not discern
direction of flow.
"Rite in the Rain."

(56)

Wormy estuary floodgate on
Th 1 Dec 05 at 1320

low, pings read:
+0.29 s w/s
+0.04 d/s

No small coming off Wormy

Inlet, despite moderate NW
wind blowing over it and
to me at the Wormy
estuary floodgate.

Wormy Inlet mouth
on Tues 13 Dec 2005 from
1100 hrs - 1140 hrs

Cost still open. f/R

(see colour)

57

clear green at mouth
and becomes more & more

green as I walk upstream
to the viewing platform

and beyond in stream
of bubbles rising from the

bed in a few places
(presumably H₂S) - No

smell (breeze is from the
NNW). 2 persons swimming
around looking for fish.

Small amount of fish activity
in the shallows. Water certainly
far better in appearance than
this time last year.

"Rite in the Rain"

(58)

Lower Estuary plume on
Thurs 13 Dec 2005 at
1145 hrs. gauges read
 $+0.35$ w/s
eligible d/s (lower than w/s)

Boysen barbed up at the
surface for 0-8 m
upstream of plume
South side of river
on top of it

Lower Estuary plume on 13/12/05
gauges read
 $+0.25$ w/s
 $+0.07$ d/s

(29)

Water is very clear d/s.

Water is murky brown
u/s.

Today is fine, windy,
sunny, light - moderate
N.W. wind.

Top (NE end) of Deerwater
at 1205 hrs. Water
quite clear.



"Rite in the Rain."

(60)

Venue estuary floodgates
on Wed 28 Dec 2005
at 1138 hrs gauges
read +0.24 m/s

+0.16 d/s

Water colour up to

green. with scumming
in the Southern corner &
some small rising from
it.

Water up to a dark but
has this colour.

Moderate N wind.

61
Fire - Worm -

At 1143 hrs I opened
the Fish Gate and the
Fish Gate Penstock.

Water started to flow out
and immediately hundreds
of small fish started
to swim crazily
in the outflow on the
d/s side.

High tens/low hundreds of
large mullet appeared on d/s
side after 15-20 mins.

Lowrange Inlet mouth

at 1227 hrs (on 28/12)
"Rite in the Rain".

(62)

Cut is open and water
is flowing in.

Checked the structure &
shallow up as far as the
icing platform. Water
is grey-blue. Saw a
few fish and a pod of whales
here were plenty of
Larvae there at the moment.
1245 hrs

Worms among flounders at
1255 hrs on 28/12/05 the gauges

read = $+0.03$ u/s

$+0.18$ d/s

the site

Water w/s is brown. (63)

Venor estuary floodgates on
Wed 28/12/2005 at ~~0700~~
1902 hrs gauges

read: 0.255 w/s

+ 0.51 d/s

Water flowing in strongly thro.
Fish Gate opened this morning
leave head at 1916 hrs

Womange estuary floodgates on
Th 29/12/05 at 0833 hrs

The gauges read:
"Up in the Rain".

↗ u/s
+ 0.18 m d/s

11/11/06

Fine, overcast, cool, light
NW wind

Voie estuary floodgates on
Th 29 / 12 / 2006 the gauges
read (at 0830 hrs)

+ 0.25 u/s
+ 0.17 m d/s

There is a "chopped Ruppia"
on the surface, extending ~~to~~
5-15 m upstream and a scum
of green microalgae mixed in

(65)
look this end vented up
at the western (upwind) edge
of this.

At the surface it appears
that this "dugout Bay" has
almost completely blocked
the open fish gate, presenting
all but a trickle of flow. However,
on the d/s side it is apparent
that there is fairly strong
outflow beneath this
obstruction of growth. Many
hundreds, possibly 1000's, of
fish (incl. brown?) are
feeding in the outflowing water.
Remained here at 0845 hrs.

"Rite in the Rain".

(66)

Lowest Tides month at
0850 hrs on Th 29/12/05.

Water is flowing out there!
cut in read here.

Very strong flood in gorges
on Th 29/12/2005 at
1916 hrs reads:

+0.27m a/s

+0.52m d/s

Water flowing in strongly.

Light W wind. Fine - Cool.
overcast.

Visor estuary floodgates on Fri

(67)

30/12/05 at 07:25 hrs,

ganges read:

+0.24 m up

+0.18 m up

Heels outflow occurring

Water up is now a gummy

~~gummy~~ brownish, greyish, greenish
colour.

Fine. Mud. Very light SW breeze.

"Clipped heath" extends 10-20 m
up from the gates. Algal swimming
along its western edge.

Scum belt varies from 0.2-2 m
thin the rain in width

(68)

Leaving along Jhelum river at
0744 hrs on Dec 30/12/2005

Gauges need
eligible. w/s
+ 0.18 m. d/s

Leave along Jhelum river
on Dec 31 Dec 2005 at
1740 hrs need:

approx 0.28 w/s
0.10 d/s

Water flowing out thru open Fresh
Creek, but flow partly obstructed
by "chopped logs", which.

|| || || || || || ||

(69)

extends 10-15 m up of
the flaps. Water up
is dark brownish green, due
to algal bloom. Little to no
scumming.

* If could raise "propped gate",
could release all or most of
the "chopped kelp", thus
reducing / eliminating blockage
of Tidal Gate when flow is in
downstream direction.

Monitoring estuary floodgate gages
on Sat 31/12/05 at 1754 hrs
read ± 0.13 m up ± 0.12 m down
"Rite in the Rain" 

(70)

Sun 01/01/2006 Verse
empty floodgate gauges
at 1514 hr read:

+0.22 u/s

illigible d/s

Water colour u/s is yellowish
green, caused by a thick microalgal
bloom.

I tried to open the "Poppet Gate
Penstock" but there was no
response when I pushed the
open gate button.

Butflow from open First Gate
is substantially obstructed by

(71)

"chopped hay", which
extends 0 - 15 m up of
the flange.

There is slumming (brown)
mixed in with the chopped hay.

- NEED - Wheel
- Brush
- Camera
- Proper gate working.

I attempted to reduce the
blockage by closing and opening
the Rock Gate twice. This
was partially successful, but
not substantially or sufficient
to return the rain.

(+2)

I left the Vase estuary
flounder at 1614 hrs (on 4/1/06)

Vase estuary flounder caught
at 1854 hrs on Mon 2 Jan
2006 read:

+0.22 u/s

approx ~~10.22~~ d/s
+0.12

Light WSW wind - Overcast. Vase:

" " - extends
" Chopped kelp row 2-7 m.
upstream of jetty. It was
largely blocking the Fish Lode so
I closed it then opened this

(73)

Gate in an attempt to
free the blockage. This
was partially successful.

Lower estuary plumbos
gages at 1919 hrs on
Mon 2 Jan 2006 read:
 11.5 m/s
 + 0.13 m/s

At 1000 hrs on Tues 3/1/2006

I remotely ~~up~~ closed +
opened the lower estuary
first gate to try to lessen
the blockage ~~to outflow~~ (by
"chipped Riggins" of outflow.
 "Retain the Rain"

(74)

Tues 3 Jan 2006

Very strong flood at 1639 hrs

read: $+0.21$ m/s

illigible d/s

Overcast - Mild. Very light ESE
wind.

Only "clayed" *Ruppia* remaining

in 2m radius around FISH

Catch, partly obstructing the outflow.

Wickiweed is dark grey green.

No seaweed.

There is a lot of fish eating d/s
from the floe-poles.

I opened the fence by Gabe's boots.

and outflows (Read this)
Commenced.

75

Wensday taking floodgate gauges.
at 1706 hrs on Feb 3 Jan 06
read: $+ 0.11$ m. w/s
 $+ 0.04$ d/s

I tested the operation of
the First Gate, First Gate Control
and Second Gate Control by
opening & closing them (locally)
A lot of white sediment was
flushed out of the First Gate
inlet, downstream.

* The First Gate would not close
and the "panel" showing % open
did not display ^{within the hour}

(76)

Thurs 5 Jan 2006

Womwong strong floodgate ganges
at 1922 hrs read

+0.08 u/s

+0.18 d/s

Light - moderate S wind

Fine. Warm.



Womwong strong floodgate ganges
at 1930 hrs on 5/1/06

read: +0.21 u/s

+0.17 d/s

Closed & re-opened floodgate
~~downed & broken~~

to remove blockage of outflow

by "chopped" *Amphipoda* " "

(77)

Met "Phil" from 2 blocks
instream. He has been living there
for 3-4 yrs.

Used strong fluorescent gauges
at 1842 hrs on Sat 7 Jan 2006

read: $+0.20$ u/s

$+0.51$ o/s

Water murky in those areas.

Fish + Ray Gates.

Water u/s is green, with
some scumming, due to
Cyano bacteria bloom.

"Rite in the Rain"

(78)

Tried to open Pappert file brackets:
but still does not respond.

Womans colony ploughed gages
at 1858 hrs on Sat 7/1/06

read = $+0.06$ u/s
 $+0.49$ d/s

Fine, warm, light S wind.

There are < 20 pellets
between ploughs = first
band u/s. Up until today
there have been only a ~~couple~~
couple. Still no visible
first activity u/s.

(79)

Warning estuary Fish Gate still
will not close (local or
remote).

Yone estuary phragmites at
1504 hrs on Wed 11 Jan 2006

Gauges read:
+0.15 m w/s
+0.13 m d/s

Water w/s is yellowish green
due to intense bloom of
Anabaena.

Water is now same colour
d/s due to substantial
outflow because Water Corp
"lets in the rain".

(80)

~~Walter~~ raised the Puppets
Gate Peristoches (with chains)
and removed the corresponding
"stop board" (with reverse flap valve)
, at my request, this morning
in order to increase the rate
of two-way flow. Aim is
to increase substantially up/s and
hopefully thereby break the
Amherst bloom on the head.

Weather is fine, warm,
light WSW wind.

There is scumming of
the bloom at the southern
end (up/s) of the floortables.

(81)

Wanning Tidal mouth at
1550 hrs on 11/1/2006.
Water flowing in. I had
walked upstream 100 m
past viewing platform. Water
was clear all the way.
Fish (mostly of spp. ~~seen~~)
seen.

At 1622 hrs on Wed
11/1/2006 I closed (locally).
The ~~East Gate~~ Wanning
East Gate (the East Gate
Remotely was already closed).
Thus, the East Gate was
closed yesterday and is now
opening again.
Shut on the main.

2015
 At ~~2000~~ km on Sat

14 Jan 2006 I closed
 the Vase Fuel Gate, & by
 Coote (remotely), leaving the
 Poynter Penstock open. I
 did this to reduce the inflow,
 because inflow had greatly
 exceeded outflow in recent
 days. I would have
 reduced the Poynter Gate
 Penstock opening if I could,
 but it is chained open,
 and motor ~~was~~ removed
 for repairs.

(43)

At 6.19 pm on Mon 23/1/06.

I opened (remotely) the
Worming Estuary Fish Gate and
at 6.28 pm I opened the Worming
Fish Gate Pundock to 33%. At

6.58 pm (also on 23/1/06) I
closed the Worming Fish Gate Pundock.

Sun 29 Jan 2006. Opened
(remotely) the Worming Fish Gate (to
begin ^{gradually} raising the salinity on the
up/side of the floodgates) at
1715 hrs. At 1716 hrs.

I opened the Worming Fish Gate Pundock
to 36% (to give any congregated fish
an opportunity to escape) and at
1758 hrs I closed it again.
"Rite in the Rain"

(84)

Th 2 Feb 2006

Worm eating *platyphelis* ganges
at 1109 hrs need

ellegible : u/s

Below gage plate : d/s

Many (dens) fleas of legs
pink (millet? or green?) on u/s
side of *platyphelis*

- Light W. wind. Fine. Warm.

- Water u/s is dark brown/green.

- Scumming of ^{new} algae at S end
of *platyphelis* on u/s side.

- Water flowing out than East gate,
Fog Gate Va. Bayou. (floods) (floods).

85
Lomax estuary floodgates
gates at 1130 hrs
on 2 Feb 2006 read

Measurable up/s
- 0.06 c/s

Water gently flowing in thru
open Bay Gate.

Lomax Inlet mouth at 1138
hrs. Estuary water is
flowing out. Tide is
low and has been very
low in recent days.

"Rite in the Rain".

(86)

Varre estuary floodgates open
at 0954 hrs on Fri

3 Feb 2006 need

+0.01 m w/s

-0.075 d/s

Water flowing out thru open
Fish Gate, King Gate + Rugged
Gate Penstocks (flap)

- Water w/s is dark greenish brown.
- Flashes of large fish w/s.
- stream has changed.

Downing estuary floodgates at

on Fri 3 Feb 2006

There were c 30 large (40-50 cm)

(87)

mullet up, mulling next
to sky boards and in the
lenslike inflow of the Fry Lake.

at 1015 hrs.

I opened Fry Lake Pond to
30% & water started flowing
in very gently.

— 0.08 m up

— 0.075 m d/s

at 1025 hrs.

I don't think any fish went down.

They were ~~very~~ good - around 10-40
in upstream.

So at 1034 hrs I closed the
Fry Lake Pond.

Fine. Warm. Day light breeze
from SE.
"Rite in the Rain".

(88)

Sat 4 Feb 2006 I
^(remotely) opened the Warming Fish
Gate Penstock to 38% at
1935 hrs. I closed it
again (remotely) at 2002 hrs.

Sun 5 Feb 2006 I closed
(remotely) the Warming Fish Gate
and opened the Warming Fish Gate
Penstock to 37% at
1407 hrs. I closed the ^{Warming} FGP
at 1436 hrs (remotely)

Three empty flowmeter gauges
at 1452 hrs on Sun 5/2/06
reads: $+0.02$ u/s
 $+0.08$ d/s

Modesto - strong SW wind

Fire - ~~land~~ - lots

- Many 100s of small, redwood
and large mullet millway
next to floodgate on w/s
side. All forest storming into
culvert of Piggott fork Antelope
and causing some noise in
there. Not seem to go thru
open floodgate, despite water
flowing in there this. Problem??

Downing estuary floodgate gauges
at 1510 hrs on Sun 5/2/06

read: ~ 0.13 w/s
 $+0.10$ d/s

"Return the Rain"

(90)

Mon 6 Feb 2006 I
closed (remotely) the Vase
sluicing Fish Gate (to reduce
- although only marginally - the
amount of inflow at high tide).

at 1150 hrs
6 Feb contd. I opened to
34% the Vase Sluicing Fish Gate
Penstock - to ~~partially~~ allow
inflow and thereby an opportunity
for fish (if congregated) to escape.
I closed it at 1228 hrs.

Tues 7 Feb 2006 at 0840 hrs
partially closed (remotely) the Vase Fish Gate
Penstock (from 100% open
to 34% open) in order to

(911)

reduce the inflow of water
at high tide

Tues 7 Feb 2006 I opened the
Worming Fish Gate Parshole to 36%
at 1035 hrs to allow inflow in
order that any congregated fish
can pass thru the fish gate. I
closed it again at 1113 hrs.

Wed 8 Feb 2006. I opened
(reinstated) the Worming Fish Gate Parshole
at 1359 hrs to 100% open
and at 1407 hrs reduced this
to 27% open. My intention
had been to open it to
"let in the rain".

(92)

approx 30% from the start but
due to it going "offline" I
was not able to stop it at 30%
initially. At 1434 hrs I
closed (nominally) this penstock.

Thurs 9 Feb 2006 at
1218 hrs I opened (nominally)
the Warrump Fish Gate Penstock
to 32%. Attempted to
close at 1326 hrs.

Thurs 9 Feb 2006 at
approx 1415 hrs I reduced
the Vasek Fish Gate Penstock
opening to 18% (to reduce inflow)

(93)

Th 9 Feb 2007

Counts of water's edge
at end of (extension of)
existing fence line

$33^{\circ} 38.875' S$

$115^{\circ} 23.115' E$

(WGS 84)

At corner the water's
edge is approx 4 m
"into the rain".

(94)

mouth of the CAIR
digger (control is in the
water)

Using echo sounding
at 1632 hrs on Thu 9 Feb 2006
read -0.04 m w/s
 $+0.19$ m d/s

Water is flowing in from the
Fath Gate and leaking in
from the Fing Gate and, it
seems, the Baggard Gate
Penstocks.

Water column up & off

is green

Fine, Warm, Sunny,

light - moderate NW breeze

At 1700 hrs on Th 9 Feb 06

I further opened the Vessel
astern Fish Gate Porthole to

24% as I was concerned
that 18% might not be

wide open enough for passage
of ~~large fish~~ large fish.

"Rite in the Rain"

(96)

At 1110 hrs on Mon 13 Feb 2006
I gauged (brevity) the Wanning
Flood gate Reservoir has 29%.

Water flowed in strongly
gages at 1114 hrs
read -0.17 m/s
+0.10 m/s

There was some large fish
schooling up, but none attempted
to swim out. 2 pelicans observed.

Fine. Warm-hot. light NW
breeze.

Water colour up is brown, tinged
green.

Water colour d/s is clear

At 1141 hrs (on 13/2/06) I 97
closed (locally) the Womung
Fish Gate Penstock

Water entering flume gate
at 1148 hrs on Mon 13/2/2006
read : -0.05 m w/s
 $+0.11$ m d/s

Water flowing in then open
Fish Gate.

Thurs 14 Feb 2006 at 0920 hrs
I opened (remotely) the Womung
Fish Gate Penstock to 33%
and closed it (remotely) at 1003 hrs.

"Rite in the Rain".

(98)

2006
Ct 0908 hrs on Wed 15 Feb 06

I opened (remotely) the
Herring Fish Gate Penstock to
27% and closed it
at 0941 hrs.

Ct 1356 hrs on Th 16/2/06

I opened (remotely) the
Herring Fish Gate Penstock to
27% - and closed it (remotely)
at 1430 hrs.

Ct 1405 hrs on 16/2 I

closed (remotely) the Vesse Fish
Gate Penstock (because too much
water has been coming in and
water temperature is no longer concerning).

(99)

06 1606 hrs on Th 16/2/2006
I opened (remotely) the
Vase Gate ~~Penstock~~ Fry Gate
so that a trickle of inflow
would occur and make any
fish wanting to leave visible
by 2 video cameras (fixed on-site).

06 0924 hrs on Fri 17/2/2006
I opened (remotely) the Vase
Gate Penstock to 27%.

06 0927 hrs on F 17/2
I opened (remotely) the Womange
Gate Penstock to 27%, and
closed it at 1036 hrs.
"Rite in the Rain".

(100)

Very strong flow on Fri 17/2/2006

at 1331 hrs gauges

read: -0.04 u/s

$+0.23$ m d/s

Flow, when, light not wind
Water flowing in

100s of large mudlet melling

around, ~~100s~~ 1 + m

upstream of Phragmites.

At 1339 hrs I closed

the Fry Gate

Strong steady flow, gauges

at hrs on Fri 17/2

read $+0.25$ d/s, -0.24 m d/s

π π π π π π π π