

Jim Lane's Field Notebooks Index Contd.

(Revised Index of 31/5/2014)

<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1992 on)_32	32	(28-01-99 / 29-06-99)
JL_(1992 on)_33	33	(03-07-99 / 25-11-99)
JL_(1992 on)_34	34	(25-11-99 / 10-03-2000)
JL_(1992 on)_35	35	(29-03-00 / 04-09-00)
JL_(1992 on)_36	36	(05-09-00 / 19-01-01)
JL_(1992 on)_37	37	(20-01-01 / 02-03-01) Missing (at 31/5/2014)
JL_(1992 on)_38	38	(06-03-01 / 15-04-02) Missing (at 31/5/2014)
JL_(1992 on)_39	39	(21-04-02 / 02-07-02) Missing (at 31/5/2014)
JL_(1992 on)_40	40	(Dec 02 / Mar 03)
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TO BE CONTINUED

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JL_(1969-70)_1	'1969-70'	(Nov 70 / Jan 70)
JL_(1970-84)_1	1970-71	(6-12-70 / 17-2-71)
JL_(1970-84)_2	1971	(08-03-71 / 21/01/72)
JL_(1970-84)_3	1972/73	(24-01-72 / 15-02-73)
JL_(1970-84)_4	1973	(05-03-73 / 15-11-73)
JL_(1970-84)_5	1973-74	(12-04-73 / 11-06-74)
JL_(1970-84)_6	1973-74	(03-12-73 / 28-03-74)
JL_(1970-84)_7	1974-76	(03-05-74 / 24-10-75)
JL_(1970-84)_8	1974	(26-05-74 / 18-11-74)
JL_(1970-84)_9	1974-76	(28-08-74 / 02-10-76)
JL_(1970-84)_10	1974-76	(21-12-74 / 25-01-75)
JL_(1970-84)_11	1976	(25-10-76 / 27-11-76)
JL_(1970-84)_12	1977-78	(16-10-77 / 21-03-78)
JL_(1970-84)_13	1977-78	(24-10-77 / 19-04-78)
JL_(1970-84)_14	Oct 78-Apr 79	(06-10-78 / 14-04-79)
JL_(1970-84)_15	1979 (Apr-Sep)	(16-04-79 / 19-09-79)
JL_(1970-84)_16	1979-80	(26-09-79 / 23-05-80)
JL_(1970-84)_17	1980	(14-05-80 / 07-11-80)

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JL_(1970-84)_17A	1980-81	(01-12-80 / 15-11-81)
JL_(1970-84)_18	1982-83	(13-03-82 / 18-03-83)
JL_(1970-84)_19	1984	(15-03-84 / 16-03-84)
JL_(1970-84)_20	1984	(20-09-84 / 10-10-84)
JL_(1992 on)_1	1	(03-11-92 / 03-08-93)
JL_(1992 on)_2	2	(04-08-93 / 18-09-93)
JL_(1992 on)_3	3	(18-09-93 / 26-10-93)
JL_(1992 on)_4	4	(27-10-93 / Dec-93)
JL_(1992 on)_5	5	(14-12-93 / 22-12-93)
JL_(1992 on)_6	6	(23-12-93 / 06-01-94)
JL_(1992 on)_7	7	(18-01-94 / 18-03-94)
JL_(1992 on)_8	8	(21-05-94 / 08-07-94)
JL_(1992 on)_9	9	(03-07-94 / 02-09-94)
JL_(1992 on)_10	10	(02-09-94 / 17-11-94)
JL_(1992 on)_11	11	(22-11-94 / 9-03-95)
JL_(1992 on)_12	12	(15-03-95 / 01-04-95)
JL_(1992 on)_13	13	(02-04-95 / 07-04-95)
JL_(1992 on)_14	14	(07-04-95 / 29-04-95)

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JL_(1992 on)_15	15	(29-04-95 / 17-05-95)
JL_(1992 on)_16	16	(18-05-95 / 18-12-95)
JL_(1992 on)_16A	16A	(08-11-95 / 11-11-95)
JL_(1992 on)_17	17	(21-12-95 / 19-06-96)
JL_(1992 on)_18	18	(19-06-96 / 03-08-96)
JL_(1992 on)_19	19	(23-09-96 / Mar 97)
JL_(1992 on)_20	20	(Mar 97 / Apr 97)
JL_(1992 on)_21	21	(16-04-97 / 12-06-97)
JL_(1992 on)_22	22	(12-06-97 / Oct 97)
JL_(1992 on)_23	23	(Oct 97 / Dec 97)
JL_(1992 on)_24	24	(Dec 97 / Jan 98)
JL_(1992 on)_25	25	(10-01-98 / 22-01-98)
JL_(1992 on)_26	26	(22-01-98 / 13-02-98)
JL_(1992 on)_27	27	(14 -02-98 / 21-03-98)
JL_(1992 on)_28	28	(30-03-98 / 20-05-98)
JL_(1992 on)_29	29	(23-05-98 / 28-08-98)
JL_(1992 on)_30	30	(Sep 98 / Dec 98)
JL_(1992 on)_31	31	(24-12-98 / 28-01-99)

Prasner DEC 99 - 1000

No 37



Note Book

96 PAGES 5mm RULED

No. 561

20/1/01 → 2/3/01



9 312828 005619

Made in Indonesia



ESSELTE

①

Bonanzas

Tge Bonanzas

(2)

Vessel leaving Angeles at
0600 L.A. on Sat 20/1/01

Hundreds of gulls also ~~just~~ ^{WFL}
gulls, Black Ducks, ~~WFL~~ ^{WFL}
LPC, LBC, ducks, ^{pelicans} ~~getters~~
at up side of gulls,

feeding (+ preening, resting,
washing after feeding) on
fry at the gulls (large
one off of fry yesterday).

Took photos (64 ass)

dyer SW wind - Overcast.

Looks as though to live (strongly?)

~~Looks as though to live~~

fingerings as well as dead ^(?) are
being eaten.

③

Didn't get out of vehicle
so didn't want to disturb
the feeding birds.

Left Thorsgate at 0630 hrs.

Most common birds flew off
(from feeding in the water)
at 0635 hrs - presumably
sated.

I left Thorsgate at 0637 hrs.

Worms & fly ploughed at
0640 hrs. Large
numbers of common,
Black ducks, grebes, gulls,
feeding up of the gulls.
Common birds flew off to roost.

(4)

on shoreline up when
I arrived.

~~At~~ Saw many frog at these
jacks (4/5) - many
smaller species of water birds
than usual.

Keith - arrived. Said
he has been here since
1942 and never seen
so many frog at the
flange. He was
the person who was very
close yesterday morning
to report frog dying at
these jacks - his
attitude is "survived of

(5)

the fastest. We
checked if we opened the
gate - which we did -
and was surprised when

I saw the frog didn't
go out through the gate.

Then requested "removal
of the frog."

Left Wang (cold
wind!) at 0655 hr.

Went to gate at 0700 -

Wang had requested the
other boys fishing - I
decided not to
~~leave~~ disturb them by
going out of vehicle.

(6)

Verse using phantoms
on Sat 20/1/01
jackets need.
at 1857 hrs.

+ 0.105 m w/s

+ 0.63 m d/s

Water level is at a fast
rate of several days.
Moderate SW wind - Fine.

10 seen at each bay. No large
fish on w/s side of jabs.

(smaller numbers)
Dead fish on bottom & surface.

⁴⁰
~~40~~ gulls (living fish) from
surface 0-50 m upstream.

⑦ Wags very phlegmy
on Sat 20 / 1 / 01

at 1910 hrs.

- 0.20 m ~~up~~ up

+ 0.59 m d/s

Water looking in at
a very fast rate at
several bags.

c 100 - 150 20 cm
mullet immediately up
of gates (not milking).
Water clear up.

(8)

Less eating plumbago
on Mon 22/1/01
pages at 1532 to
read 0.00 —

+ 0.08 m u/s

+ 0.46 m d/s

Water feeding in

Fine - cloudy

Modest SSW wind

After u/s brown muck
cant see any fish feeding u/s
Dead fish no longer visible
- all gone? or partly because
water so murky?

9

Things along flap gate
on Mon 22/6/01
at 1543 hrs

— 0.20 m w/s

+ 0.42 m w/s

Water level in -

about 100 m below (c 20 m)

close to the gate (w/s)

and some sitting against
the gate but not open.

Water clear w/s, with
some disturbed sediment

(10)

Heavy foggy foggy
on Wed 24/1/01
at 1540 hrs

gauge read

— 0.28 u/s

+ 0.12 d/s

Most strong SW wind

Fine Cool

Some leakage in.

No frost yet birds from
0 - 200 m + up to 1000 m
(unusual).

Water u/s clear -

No large (15 cm +) frost
at the gate (u/s) or
variable up to 1000 m!

(11)

Verse early phlogoths
at 1848 hrs
on Wed 24/1/01

Oxygen read
+ 0.11 m w/s
+ 0.18 m d/s

No fish activity at
the jets (w/s)
on night run.

No fish activity back up

From Greenish brown.

No dead fish on tray.

(12)

Large salt marsh
at 1600 hrs (24/1/01)
Water flowing in
strongly with in
small bay.

Water very sluggish
on Fri 26/1/01
at 1629 hrs
ganges read
 $+0.07 \text{ m/s}$

$+0.10 \text{ d/s}$

Water backing partly out
and partly flowing out from
the concrete gate which is
open c 3cm due to head
of water on w/s side.

(13)

(this is the gale with
the ~~eggs~~ ^{pruddy} system
and the (green)
~~renew~~ ^{play} value)

No fish activity up/s
No dead fish (or
fry)

Modole SW wind

Fine. Warm.

Spel bloom greenish brown.

Warming today plunging
and Fri 26/1/01

at 1654 hrs

ganger need:

(14)

— 0.215 m w/s

+ 0.05 m d/s

(20-25 ^{cm} at one end)
I gained the gate at
1659 hrs.

Checked down on d/s side at 1705

8706-07: c 400 ^{mainly 10 cm}

1708-09: c 240 ^{some 20 cm}

1710-11: c 200: ^{mainly 10 cm}

mainly 10 cm some 20 cm

1712-13: c 125 " " "

1714-15: c 150 " "

1716-17: ~~180~~ c 180 " "

(15)

Womys edwardsi flagellus
ganges on Fri 2/3/01
at 1248 hrs

✓ need
— 0.34 m u/s

+ 0.41 d/s

Water level on

Met Great downbreeding
color layer on u/s
side of flagellus

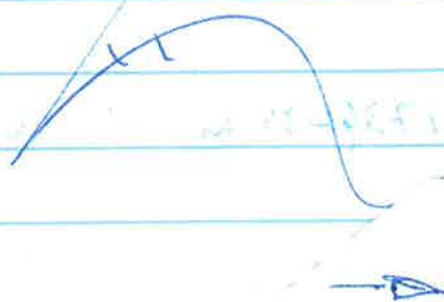
How to look for overcast (sailing)
light W 3 wind.

(16)

Various phytocenes
pages read on 2/3/01
at 1258 Lm

— 0.06 m up
+ 0.47 m d/s

Water leaking in
at 1310 Lm
Opened gate spooler
with wrench — went
from no flow (due
to shutoff in system)
to distributed water ^{10m}
up of phytocenes



(17)

1718-19^{hrs} : c 180 fms

1720-21^{hrs} : c 170

1722-23^{hrs} : c 200

1724-25^{hrs} : c 170 km

1726-27^{hrs} : c 150

1728-29^{hrs} : c 130

1730-31^{hrs} : c 220 !

1732-33^{hrs} : c 170

1734-35^{hrs} : c 180

(18)

1736-37 hrs : c 350 !!

1738-39 hrs : c 380 !!

1740-41 hrs : c 380

1742-43 hrs : c 470 !!!

1744-45 hrs : c 270

1746-47 hrs : c 270

1748-49 hrs : c 180

1750-51 hrs : c 210

1752-53 hrs : c 230

Skipped next two pages. →

(19)

Summary (of fish release from Wampanoag estuary floodgates on 26/1/01)

Gate opened : 1659 hrs

First fish counted : 1706-07 hrs.

Fish counted every second minute until : 1806-1807 hrs.

No of ^{one} minutes fish counted (1706 $\rightarrow$ 1807) : 31 mins

Length of period (1706-1807 hrs) = 61 mins

No. of fish counted (1706 $\rightarrow$ 1807 hrs) = 6,350

$\Rightarrow$ No of fish that exited (1706 $\rightarrow$ 1807 hrs) $= 6350 \times \frac{61}{31} = \underline{12,495}$

Summary Count

(20)

Reduced width of opening at : 184 hrs.

Period of reduced counting = 1807 - 1832 hrs

No. of one minutes counted
(1807 - 1832 hrs) = 7 mins

Length of period
(1807 - 1832 hrs) = 25 mins

No of fish counted
(1807 - 1832 hrs) = 233 fish

⇒ No of fish that
exited (1807 - 1832 hrs) = $233 \times \frac{25}{7} = 832$ fish

⇒ Total No of fish = 12 495
that exited
(1706 - 1832 hrs) $\frac{832}{13,327}$ fish.

Rounded = 13,000 fish.

Total period gate open = 1832 hrs
- 1706 hrs
= 1 hr 26 mins.

(21)

1754-55 Ls : c 180 fwh

1756-57 Ls : c 85

1758-59 Ls : c 80

~~1800~~ 1800-01 Ls : c 70

1802-03 Ls : c 70

1804-05 Ls : c 130

1806-07 Ls : c 120

1811 Ls reduced width of
groyne slightly (to 15 cm)

(22)

1817-18 km : c 70

1819-20 km : c 35

1821-22 km : c 35

1823-24 km : c 35

1825-26 km : c 35

1827-28 : c 9

1829-30 : c 11

Closer to pole at 1832 km.
at 1836 km

— 0.21 m u/s

+ 0.11 d/s

(23)

Swimming comments (of 26/2/01)

- When I arrived at the
Honeypot Estuary floodgates there
were many thousands of
mostly small (10-15 cm)
fish swimming immediately
upstream (0-20 m) of
the gates and 1000+ milling
against the gates.

- Decided to release the fish
immediately, on my own,
as Public Holiday and tide level
seemed ideal (not too high)
and late in afternoon.

- I couldn't see the fish

(24)

scarily
from the top of the structure
or bridge, so climbed down
and stood in water

~~was~~ next to the opening
(on up side). Fish
couldn't see me as they first
swam down the opening.

• ~~Most~~ The first released
were a mixture of sizes
from 10-20 cm, with
~~a few~~ ^{some} ≥ 25 cm.

• The great majority were mullet.

• See 4-5 pages earlier for
calculations of no. counted.

(25)

Vase edge flouge
ganges read
on Sun 28/1/01
at 1606 hr

read:-

+ 0.065 w/s
+ 0.19 m/s

Water looking in (just)
No fish activity
No dead fish

Modest ^{Strong} SW wind

Fine, Warm

Get bloom greenish brown.

(26)

Worms eating fly pupae
eggs on 28/4/01
at 1615 hrs

- 0.23 m w/s
+ 0.135 m d/s

Water looking in

Tens of snail melling
in inflow (eggs + pupae)

No fresh activity further up
Two dead fly pupae
at the gate

Water w/s clear

(27)

Wang eking floodgates on 30/1/01
gauge read:

at 1620 L₀

0.00 m u/s

+ 0.45 m d/s.

Refill already u/s

light water. Hot.

Fine. Large

area of floating brown debris
along the giant gates and
a long way upstream (South end
of dam)

Wang eking floodgates
gauge at 1629 L₀

- 0.225 m u/s

+ 0.40 m d/s

Temp of water u/s.

(28)

Whinnyp Tidal mouth
at 1640 hrs on 28/1
Tide has peaked in
past $\frac{1}{2}$ hr or so
Water static (or nearly so)
in cut channel.

Wed 31/1/01

Have eating phytoplankton at
0540 hrs. Water
looking in. Much
of the algal crop that was
on the surface yesterday
afternoon seems to have
disappeared overnight.
4 junks 10m up.

(29)

Also 1 duck + 1 duck
with 3 ducklings.

Still no wind.

(above pressure trough)

- was hot + still overnight.

0555 hr the four
gulls are pecking at many
small "springs" that are
stopping on the surface
on W side of piling
at N end.

0556 four more gulls here
joined this feeding group.

0600 many small "springs"
of fat evident at
surface near N shore

(30)

approx 40 m w/s.
left at 0616 hrs.

Arrived at Whanga wharf
plouflets at 0620 hrs.
Many hundreds (1000+?)

of c15-20 m mottled
sway w/s of the plouflets,
some mottling against the
rocks.

As the sun broke thru
the clouds at 0630 hrs
it became evident that
countless fly were
gathering over the surface
from 10 - 150 + m
high. Even
some a bare flow

(31)

low over the water &
continuous "spray" of
fog would be evident.
Why are these fog
petting the surface?
Is it low O₂ or
something else?

When sky photogates
again at 0655 hr.
Q light breeze has
now sprung up from
the SW. The height
has moved west. Strong
winds forecast for
this afternoon.

Wings only phryganeas
Jugre neck on 31/1/01

(32)

at 1621 hr

- 0.28 m up/s

+ 0.50 m d/s

• hundreds feet up/s

• water being in

Coast, SW wind - moderate,
overcast, a few
spots of rain.

Wings only phryganeas
at 1627 hr

neck + 0.03 m up/s

+ 0.54 m

water being in

Mexico CAM office 12/01

Remotely controlled

+ By 15 of Argentina

Why the diff?

What correct?

• Latin American countries

people to come on Nitro

Remotes (Petrochemical per 1000)

- clients - companies with

Act - Argentina?

- Ash Simon Remotes.

• Salinity level graphs &

analysis in Argentina.

ADD

D

33

TO DO



Meeting CARM office Th 1/2/01

• Review site boundary

(34)

+ By 15 of April

— why the diff?

— which correct?

• CARM Rec. policy encourages people to canoe on Nelson River (Peterborough pass comm)

— check — conforms with

Act & Regulations?

— Ash Simon Hancock.

• Schmidt drew graphs & analyses in Appendix.

(35)

Worming using phenyls
Sat 3/Feb/61

at 1108 hrs.

— 0.23 m u/s

+ 0.075 m d/s

Fore - Worm - light NW
breeze

Water looking in.

Water very clear u/s + d/s
100% of 15 cm fresh u/s.

(64880)
Photos (→ 30) of long
plants on u/s side

(36)

Verse asking flange
at 1121 hrs

Gages read
0.00 m w/s

+ 0.13 m w/s

Water level in

Severe ~~low~~ greenish
brown algal bloom
on w/s side.

No fish activity.

(37)

Very strong floodgates
ganges on Mon 5/2/01
at 1535 hrs

read: ~~5.25~~

- 0.03 m u/s

+ 0.55 s d/s

Light NE wind, Overcast,
Warm.

Water looking in 'fresh.

Water u/s greenish brown,
clearer than in recent
past (come only to
inflow at present?)

(38)

Surface on S side
of exit channel w/s
covered with the
floating green brown
sludge of previous
occasions.

No fish caught w/s.

1 dead guppy.

Wannings taking photographs
gauges on Mon 5/2/01
reads at ... hr

- 0.22 w/s

+ 0.50 w/s

Estimated time to be 15:46

(39)

Lee

9384 6969 home

0418 941222

Water looking in front

- cascading over steep
banks of N ~~river~~
most bays - see
photos. → 34 (64 ASA)

• Water clear w/s

• I decided swim

• low temp of c15 on
fish w/s

• Dommings inlet mouth

at 1600 hrs on 5/2

Water racing in thru'

cut in sand bar - tide
level added to by

(40)

small waves generated
by light N winds.

Thurs 8/2/01

Warming strong plunges
ganges at 1502 hrs
needed:

— 0.26 m u/s

+ 0.15 m d/s

Fine. Warm. Light SE wind.
Water leaking in

Low lens of 15 cm fresh
u/s. None nothing
against plunges.

(41)

Versa

at 1530 hrs.

0.00 m u/s
+ 0.20 m d/s

water depth in

Fri 9/2/01

Versa using plumb line
gauge at ~~1300~~ 1304
hr read

— 0.01 m u/s

+ 0.135 d/s

(42)

Light S breeze. Warm
Fine

Water backing in gently.
Water noticeably clearer but
gray-cloudy from 0-30 m
u/s of the plantations.

Hornings eating *Jubaea*
Ganga mud
at 1314 km.

— 0.24 m u/s
+ 0.095 m d/s

Moderate SE wind.
Water backing in.

10s of 15-25 cm mudflat
on u/s side. More further u/s.

(43)

Large Eel mark
at 1326 hrs on
Fri 9/2/01

Water flowing in thorn
ent in number.

Melvin Longridge - Esting Dead Dye
9752 3604
0418 860 752

(44)

Honnings Estuary floodgates on Mon 12/2/01
at 1435 hrs
read

- 0.275 m u/s

+ 0.20 m d/s

Moderate - strong SE.

Water clear & Tens of fish u/s.

Vespe estuary floodgates at 1446 hrs
on Mon 12/2/01
read

0.00 m u/s

+ 0.27 m d/s

Cleaner u/s.

Somewhat wind.

(45)

Vessel using floatgates
Gauge on Feb 26/2/01

at 1417 hrs

read

- 0.08 m/s

+ 0.66 m/s

Water looking a bit

fine, hot.

Light NNW wind.

Many large brown on d/s
side of floatgates.

Large numbers of fry on u/s
side.

Water reasonably clear u/s
with scum on surface
(nets from bottom)

(46)

Wangs using phlogites
gauges on 2nd 16/02/01
at 1430 ~~hrs~~ hrs
needs

- 0.275 ~~u/s~~ u/s
+ 0.645: d/s

Water cascading over tops of
dry board in 4 bays.

Water leaking from ground,
under concrete, at SW
end of structure.

cc 200 mallet u/s.

Water very clear u/s (seawater
that has leaked in).

(47)

Verse ashing fluygeton
Gorges on Sat 17/4/01
at 0818 hrs
med

- 0.05 m up/s

+ 0.35 m up/s

Water level in
- Moderate
Light a SW wind
Fine, Warm.

Very green up/s.

The wind coming up/s (wind/s)

Shed in up/s corner
exposed at the water
level.

(48)

Wings edge phragmites
at 0830 hrs on Sat
17/2/01

Many mudflats (1000s)

20-50 m ups of
grasses but not at
grasses. Water

looking in

Little bird looking where
fish are

(49)

Vase with playdates
Jungs on Jan 18/2/01
at 1724 hrs

nest

— 0.03 m/s

0.46 d/s

Moderate SW wind

Fine clear

Large numbers (10,000 s) of
2-4 cm frog fragments
on n/e side of frog
No large frog seen w/s

(50)

Wings striking phragmites
ganges on 18/2/01
at 1731 hr
near

— 0.31 m u/s
+ 0.40 d/s

Water lily in
Many 100s of 15+ cm
matted u/s of the
phragmites

Thousands of water lilies
The surface on SW side
of pond covered 50+ m u/s.
16 Sept in the area.
— growing ??

(51)

Longs edge plunges jumps
on Dec 20/2/01
read at 1314 hrs

- 0.32 m w/s
+ 0.08 m w/s

Markula - strong SSW wind
Water lapping in.
Hundreds of small (<10 cm)
fish w/s.

Note that the ~~sills~~ are
at this water level

(- 0.38 m AHD w/s)

several sills are exposed
by approx 0.5 cm and
several still covered by
a smaller amount.

End. Weron.

(52)

Some using photometer
gages on Tues 20/2/0
at 1327 hr

read:

-0.03 m u/s

$+0.13 \text{ m d/s}$

Water level in

Water is greenish-grey u/s

Wings Trout mouth

at 1335 hr. Cut

in snout is still open.

Hard to tell direction
of flow, if any.

(53)

Wangang along fluvial
channels on Th 22/2/01
at 1343 hr

red.

→ 0.325 m u/s
+ 0.07 m d/s

Remains of small mullet
(10-15 cm) very active
(feeding?) 20-60 m
u/s of fluvial

Water looking in. No
fish visible at jets.
No large mullet seen
Fine, hot.

Very dry. No breeze.

(54)

Take today's photographs
again on Thu 22/2/01
at 1358 hrs

used:

\$ - 0.07 m w/s
+ 0.12 m d/s

very slight leakage in.

Light NW wind.

Water w/s grey-green.

Cays flaty or surface

Many bubbles rising from

w/s of photographs.

Many fog in this area.

CAMERA!

(55)

Fri 23/2/01

Wong's ashly *Phryganea*
gorges at 1350 m
reach

— 0.30 m μ /s

+ 0.13 m μ /s

Modulate SE limit

From Wong's

Water leaky in.

No post activity inside
of the *Phryganea*.

Rey Andre Holmberg (Kurt)
to seek his government
to agency. Brown: 100.

(56)

Very dry plugholes
ganged on 23/2/01
at 1400 Ls
read

- 0.065 w/s

+ 0.19 d/s

lots of bubbles (H_2S ?)
very form sludge
on w/s side of
froggates.

large masses of grey w/s
of plugholes.

Water green dark brown.

Rey from Holtfelo (WC) to
ask his ground to give
gate? Answer - Yes

(57)

Directed gate open
at 1412 hrs.

Flow in.

Revised reverse flow valve
also.

1424 hr - no sign
of any fresh current
reced on down open
gate.

These strong fluctuations
Ganges at 1723 hrs
on Sat 24/2/01

read -0.075 up

(58)

and + 0.20 m d/s

Water flowing in thru open
gate.

Muddy, overcast,
warm to hot.

Very light NW? breeze.

Distributed under 15 m
w/s of gate.

Somebody taking photographs

10 - 60 m w/s

[c 20 SGL, 2 RSD, 2 BOST, 1 Gent

3+10 Petrels 2-5 m w/s

of phalaropes when
arrived.

(59)

at 1737 hrs (24/2/01)

— 0.335 w/s

+ 0.158 d/s

Many hundreds of 10-20g
mullet feeding at the
gate on w/s side

At the gate where
hedge is greatest, lots
of small (10-15g)
mullet swimming up on to
silt which is
c 1cm above w/s water
level

(60)

Plot enough large fish fresh,
and lead too high
to open gate.

Wings eating plankton pieces
on Sun 25/2/01

at 1355 hr.

— 0.33 m/s
+ 0.13 m

Moderate — strong SSW wind
Water lapping in.

Tens of c15 cm larvae
near up/s side of gate.

No moulting of fish seen
Fried - Worms.

(61)

c 8 pellets resting on bank
80m up. Another c 40
pellets resting on bank c 150m
up.

Verse why floodgates
ganged on 25/2/01
at 1405 hrs
read

-0.03 u/s
+0.19 d/s

Antenna water c 20 m up

|| Closed the single open
gate at 1408 hrs.

(62)

Homage E. L. J. phylloides

judges on Mon 26/2/01

at 1318 hrs

need

- 0.34 u/s

+ 0.16 d/s

Water being in - Fine

Worms Moderate NW wind.

Eggs 200-400⁺ largeish (20-25)

midlet milky

in the spring water

+ some going up onto

will in attempt to get

out.

If gate was power-operated
would open it.

(63)

Left message on fax
Boltfunk's (WNE) mobile
phone.

Ground gate at

1346 hrs.

1356 fresh for
seen leaving

58-59 — 3

1400-01 — 2

02-03 — 23

04-05 — 12

06-07 — 24

08-09 — 71

10-11 — 70

12-13 — 29

(64)

~~14~~ 14-15 : 16

16-17 : 45

18-19 : 68

20-21 : 75

22-23 : 60

24-25 : 36

26-27 : 8

28-29 : 10

30-31 : 20

32-33 : 26

34-35 : 26

36-37 : 62

38-39 : 41

40-41 : 110

42-43 : 120

44-45 : 155

Timer Yovane.

(65)

1446 - 472 - 85

1448 - 480 - 60

1450 - 51 - 85

~~1452 - 53 - 25~~

1454 - 55 - 35

1456 - 57 - 25

Close gate at 1458.

Gauges at 1505 hrs

— 0.30 m ~~u/s~~ u/s

+ 0.16 m u/s

$$\begin{array}{r} 1458 \\ - 1356 \\ \hline 102 \text{ m} \\ = 62 \text{ m} \end{array}$$

$$\begin{array}{r} 1458 \text{ km} \\ - 1356 \text{ km} \\ \hline 102 \text{ km} \end{array}$$

Summary

Opened gate at 1346 km

First fish seen at 1356 km

Fish counted 1358 to 1457 = 1,402 fish

$$\Rightarrow \text{Total} = 1402 \times \frac{62}{29} = \underline{\underline{2,997}}$$

Round to 3,000 fish.

(mostly, if not all, mulllet).

Vase & by flange on 26/2/01
at 1514 km.

— 0.07 m w/s

+ 0.215 m d/s

gate still closed

(69)

Worms ashly phryganeas

~~phryganeas~~ ~~27~~

on Tues 27/2/01

~~at~~ at 1235 hrs

read:

-0.34 u/s

+0.25 d/s

Water being in

light SE wind.

Low lens of frost u/s
of the phryganeas.

Fine. Warm.

(68)

Have today finished gauge
on Pres 27/2/01 - read
at 1253 hrs

- 0.05 m w/s

+ 0.31 m d/s

Water level in

Mouth of Goring Inlet
at 1300 hrs, water
flowing in then out in
reverse.

(710)

Versa edge flange
on Thru 28/2/01
at 1706 hrs

- 0.07 m up/s
+ 0.285 m d/s

Force = Wave -

Light to 3 breeze
Water level in -

Wings edge flange
on 28/2/01 at 1714 hrs

read - 0.34 m up/s
+ 0.32 m d/s

Water level in -

Close Open Versa
edge flange (one) at

(71)

7.45 pm on Wed 28/2/01
following phone call
from Geolab &
request by me.
(2 dead fish + 1 echyura)
probably descended bank.

Thurs 1 March 2001

Wings being flapped
at 1649 hrs

ganges need
— 0.34 m/s
+ 0.365 m/s.

Water level in

light SW breeze
Wind (has been hot today)

(72)

Water level gauge on 1/3/01
read at 1701 hrs

- 0.06 m up

~~40.07 m up~~

+ 0.41 m d/s.

Water level in .

Note that gate is closed
~~probably~~ generally due
to breaching of
upstream side. (I found
the gate at 7.15 pm
last night) -

|| Date for 2/3/01
is ~~between~~ within 26/1/01
date.

Vasse

Upstream

0.91 m WRC gauge plate

Deduct ~~0.05~~ 0.05 m

from to get true AHD.

1.2 m WRC gauge plate

Deduct 0.04 m to get true AHD

Downstream

0.1 m WRC gauge plate

Deduct 0.11 m to get true AHD

1.2 m WRC gauge plate

Deduct 0.08 m to get true AHD

(22/12/99)

take from record of "01/02/99"

on file kept by Yarnat for
WRC gauge plate

Worname

Upstream

0.1 m WRC gauge plate

Deduct 0.06 m to get true AHD

1.2 m WRC gauge plate

Downstream

0.1 m WRC gauge plate

Deduct 0.04 m to get true AHD