

Jim Lane's Field Notebooks Index Contd.

(Revised Index of 31/5/2014)

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

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JL_(1992 on)_32	32	(28-01-99 / 29-06-99)
JL_(1992 on)_33	33	(03-07-99 / 25-11-99)
JL_(1992 on)_34	34	(25-11-99 / 10-03-2000)
JL_(1992 on)_35	35	(29-03-00 / 04-09-00)
JL_(1992 on)_36	36	(05-09-00 / 19-01-01)
JL_(1992 on)_37	37	Missing (at 31/5/2014)
JL_(1992 on)_38	38	Missing (at 31/5/2014)
JL_(1992 on)_39	39	Missing (at 31/5/2014)
JL_(1992 on)_40	40	(Dec 02 / Mar 03)
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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)
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JL_(1970-84)_7	1974-76	(03-05-74 / 24-10-75)
JL_(1970-84)_8	1974	(26-05-74 / 18-11-74)
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JL_(1970-84)_13	1977-78	(24-10-77 / 19-04-78)
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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)
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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)

N^o 31



Note Book

96 PAGES 5mm RULED

No. 561

J. Lene
CARM Jussellon

24/12/98 - 28/1/99



9 312828 005619

Made in Malaysia

 ESSETE

①

Ussu Eshy flangeles 24/12/98
at 1830 hrs

+ 0.175 u/s

+ 0.21 d/s

Water flowing out!

Moderate W wind. Overcast - Cool.

Opened ^{main} megapile at 1835 hrs

4 dead Bacon (c 25 cm long) placed
downstream from between main pile

and second pile valve (still closed)

Apparent to have been dead several
days.

No other dead fish u/s or d/s.

Wings Eshy flangeles

24/12/98 1843 hrs

0.03 u/s 0.19 d/s

②

24/12/98

Womney estuary floodgate

Open at 1900

Closed at 1910

Open at 1945

Closed at 1925

1 board left in.

2 boards left in.

1930 hrs

w/s +0.03

Gauge readings

d/s +0.24

Wasse estuary floodgates

at 1937 hrs water

Incidentally in past reverse flap valve. (I had opened main gate at 1835 hrs)

Wasse estuary floodgates at ~~1946~~

2246 hrs on 24/12/98

(After church!)

6 pelicans feeding 5-10 m upstream of gates

3

Very strong floodgate gauge read
+ 0.175 u/s
+ 0.31 d/s

Water only trickling in (fast) past
the reverse flap valve.
No wind.

Cloud main flap
valve at
2258 hrs
on 24/12

Water flowing in quite strongly
at 2258 hrs on 24/12/88
(then cut in ventiler at mouth
of Downings Inlet)

Downings Inlet floodgates at
1716 hrs on 25/12/88

+ 0.03 m u/s

+ 0.10 m d/s

~~light~~ mod. SW wind

(4)

Only 1 trout (yellow) in
first 80 m upstream. Very
few further upstream.

Water somewhat "cloudy" (brown)
so in recent days.

No sign of fish activity upstream.
Slight trickle of water in.

Used stopper plug at 1727 hr
on 25/12/88

read + 0.175 m w/s

+ 0.14 m d/s.

Water leaking out

Back of 2 dead brown on w/s side
of reverse plug valve - appear
days old - May be yesterday
(checked that whole main plug open)

best sight)

Thick green bloom w/s + d/s
as in recent days.

2 cluster w/s (20-40m)

(1 feeding, 1 roosting)

No fresh colony visible w/s
A little - - - d/s.

Strong Tidal current at 1740 hrs.

No discernible flow ↓ (from
excavated channel).

Transect 3.30 in 26/12/98

Massive *Planorbis*
(w/s)

5cm long - heavily eroded form
w/s - deep body - partially
abraded - - - colour obscured by
blood - (1 foot only)

(6)

Vasee estuary plankton net at
1825 hrs on Dec 26/12/98

Oegaster need

+ 0.17 e/s

+ 0.225 d/s

Strong SW wind.

~~Water~~ ~~trickling~~ ~~out~~ ~~slightly~~

No discernible flow

L. strongly forked - ~5 cm long -
head near surface, tail down

- deep bodied -

No broods -

(7)

I opened 1 main plug valve
and the "reverse plug valve"
(to 90°) at ~~1840 hrs.~~
1840 hrs.

First noticeable flow in
began at 1842 hrs! and
it was stronger at 1844 hrs!

Saw foam at 1848 hrs

Flow stopped & reversed at 1849 hrs.

" in recommenced at 1851 hrs

Used rotary plunger gauge at

1902 hrs - + 0.17 m u/s
+ 0.225 m / d/s

Left rotary plunger at 1919 hrs.
(no first movement seen)

⑧

26/12/98

Worms 1923 Lm

+ 0.01 m w/s

+ 0.185 d/s

No fish activity
1 Pet 1 egg.

Vase with plugholes seen
at 1930 hrs - still flowing
in.

1930-1935 - outlet for
prevention - none seen

1936 - flow reversed - now
slight flow out!

Just chiefly layer 0-3 m
d/s of open gate when flow
out started.

birds feed post.

Then swings out, comes, persistence

* Looks are propagules as a bridge to the beach - design of new gulls:

No dead fish (frag) on large fish
actually seen up's. Synaptist
large fish actually d/s of the gulls
but very few birds. (come in
first 200 m d/s) \uparrow LPC

Birds up's are clearly feeding on the fish.

Light good for photography here.
at 6am. I left at 6am
with observation unchanged.

Verticality papers at 0527 hrs

+ 0.14 ~~4~~ cups
- 0.02 m d/s

light SE wind.

Also ReBD with the other

birds. And Comments.

C10

C10 LFC + C10 LBC.

The birds are feeding on frogs that

have come to very near (1 mm)

the surface. ^{1.5} The frogs are

generally ^{1.5} 2 cm long. They

swim just below the surface

and then descend. They are

separate, not in "schools"

The biggest seen (1 only) was

^{2.5} 2.5 cm. They come to

the surface head up +

(12)

Womys being puffed at
0605 hrs on Jan 27/12/98

gauge read

+ 0.04 w/s.

- 0.07 d/s

Water lumpy out.

Only 1 bird (a penguin) in 0-80m
upstream. Light SE wind
still blowing.

Water flowing out over top
of bank in bay used for
"experiments" (of the main flap valve).

No large fish activity. ~~the~~

Water colour, turbidity are unchanged.

Back at base of puffed
at c0615 hrs. Bird activity

employed. At 0630 hrs
c 40 pellets left, fly by
NK towards Warming. Some
birds may be here left when
1 egg has 2 yellow waxy legs.

Theory - large feet can break further
& faster & so would low DO conditions,
Fry are too ^{small} ~~small~~ to break for
and so cannot avoid low DO conditions.

1 little egg landed at edge
of channel 15m up of flange
(Dense) at 0643 hrs.

0645 hrs - I left - birds
still feeding in fry.

(14)

0525 hr.

Mon 28/12/98 Vane Estuary phragmites
Many birds feeding in the
channel ups of the gates.

(0-200m)

Scores of Great Grebe; 4+ Little Grebe
scores of Pelicans, scores of Scaup.

7 White Egrets, ~~Black~~ Black Duck (5-10)

5-10? W. Grebe, several? Waterfowl Barn

10-20? small Cormorant

Jays nest + 0.14 m ups
- 0.09 m d/s.

Water trickling out

Substratum same as yesterday morning.

Ducks are feeding on spongy long grass

- generally 1.5 cm long. One was

3 cm long. One main fly valve still

Left at 0536 hr. open.

15

Wongy early floodgates 28/12/98.
0539 hrs

7 gates; 2 Great Spout

1 LPE all ≤ 80 m

from gates (w/s side)

+ 0.02 w/s

- 0.14 d/s

water
leaking
out.

Cold light \rightarrow mod SE wind

No large fresh runoff

Water flowing out over bank
of big road for garage

Wongy Outlet mouth at 0552

hrs (28/12) - water flowing
out then out in river.

060thru 0601 hrs (28/12)

Skipped at vehicle access point -- in (c300) w/s of Vase flange.

Sheds of bird coming to surface (tail down) but appear strong/healthy. Many patches + spots.

cc. ~~60~~⁶⁰ birds + 20 + goat + pens of goats in region of property (darker) 50 in further upstream (S side) - feeding.



18

Tues 29 Dec 98 1007 hrs

Farrow Vase esty pluvialis

- LBC - 1, 1
- Pelican - 3,
- Darter - 1, 1, 1, 1
- Common Snapper - 1, 1
- LPC - 1 + 2
- PeBB - 1, ~~2~~, ~~2~~ small 1 class & double
- Wi ducks - 2 13
- Mud Duck - 2
- Ogyl - ~~2~~ 2 with 6 class 2
- (small) double + 5

{
}
]

- B+W Count - 13
- B Count - 86 (all LBC?)
- Darter - 2
- White Ibis - 1

Final 1019 hrs

Bullett Feb — 1030 hrs

1 PeBB c 9 Class I double

GyTL - 4, 2 c 8 Class II, 3, 3,

Darter - 1

Great Egret - 1, 1

Plover - 1, 1, 1, 1

Common Sandpiper - 1

LPC - 1, 1, 2, 1, 1, 1

White Ibis - 1, 1, 2,

WF Hr - 1, 12,

LBC - 4.

From 1042 hrs

Webster Rd 1046 hrs.

Black Swan - 14, 54,

Whitby Grebe - 1,

Green Egret - 9,

Great Spotted Swallow - 1

Petrel - 1, 54

Sig. Bl. - 15,

Greenback - 1, 6,

Yb Sp. Thrush - 19+,

White Eye - 11,

White - 5, 2,

Little Grebe - 1 - heard from opposite marsh.

Heavy-headed tube - 1+

LBC - 21, 1,

LPC - 7, 2, 5,

Gyfl - 2

Bus St. 11 - 29, 4,

PeOD - 20, 78, 60,

Coat - 1

Front side of island cant be clearly seen

Shel - 1, 9,

Large Piel Count - 1, 1, 6,

Must Duck - 1

Eggs - broods of 43

~~class I~~

Class I - 43, 6 (or 3+3), 3,

~ II

- III

1127 hrs.

22

1127 hrs (2)

Coot nests to south of me
 - 470 in dens.
 - 840 in hrs
1310 Coot

1133 hrs

area E

in the next sector south.

Left Webster Rd at 1135 hrs.

1140 hrs - dam on N side of
 - - Rd.

13 White Egrets, 1 Str Ibis, 1 Wtflr, 3 Sial.

Finish 1142 hrs

1148 hrs Mallards Creek (from
Logan's hole - roof of
vehicle)

BW Stilt - 14,

Greenlet - 7,

BF Plover - 1,

PeBD - 46, 20, 30, 22

Gyr. - 11, 2,

S. Ibis - 1, 1,

Shel - 9, 30,

Lif. Thr - 1

WPC - 2, 5,

LBC - 18, 71,

Green Egret - 1, 1,

Marec Duck - 8,

Sivens 2

Gyret (broods of Class I) - 5,
(" " Class II) - 6,

Wid Duck - 630,
(PeBD + Gyr.)

Wid Nighthawk Wader
(Wood Sparrow?) - 5,

Final here
at 1212 hrs.

(24)

Abbe River - 1226 - 1227 km

c 150 Gosh, 1 LBC, 1 LPC, 1 Gosh
Feet, 1 WPhn.

Abbe River access - 1231 km.

RnA - ~~250~~ 359, 14, 5, 26,

Swan: 200, 200, 200, 44

Relic - 11,

Bw Shit - 210, 30,

Coob - 700,

Coast feet: 8,

White Islets: 2,

BASE: 57,

Whisky Kite: 1,

WPhn - 4, 3,

Yb Spinnell - 8, 1,

2530

ki Dubs - 220, 500, 200,
200, 330, 410, 230, 440

Shel, Pet + GyTK. (in
that order - descending)

SIGL - ~~200~~ 200, 82, 190

MusD - (1?)

Small Gnat - 250 ←

Sa 250 - 1

low numbers ^(Kms) of downy jackets -

250 LPC 210 LBC ± 100 (many LPC)

Found here at 1337 hrs.

1 Gnat heard.



(26)

Roadside Rd ceens
at 1349 hrs.

Swamp Henric - 1,

W. Dnr - 400, 500, 850, 290
420, 530, 140,

2 Mundy Shel, GFL + P. 80.

Swan = 100, 176,

Road Proct = 450, 640, 400, 200,

DW Salt = 100, 100, 40, 330,

Barrel Salt - 0050.

Whiskered Tern = 40.

White Ibis = 15

WFLM = 12

Egret - 5

Great Egret - 3

S. G. - c200

~~Headed~~ ~~small~~ ~~water~~ ← c30

Headed - 1 with 2nd small Class I
 ducklings - all diving.

few (low tens) of Class II
 Egrets.

Whimbly Lake - c3.

Finish at 1452 hrs.

End of Rusby Rd - 1500 hrs.

Shy-shute Snipe - 32

Finish 1508 hrs.

(28)

East of Keymer/Forth - with GBP

Start 1546 hr

White f. Cat - 1, 4,

Swamp Hen - 1,

Swan = 16, 500, 128,

Shel: 4,

Bw Skt = 1, 100, 790,

S. Gl = 200, 110, 260, 67,

Sn. b. = 2,

Green Egret = 1, 1,

Whitting hole = 1,

White Ibis = 1, 1, 1,

Pelican = 13,

Yb. Spotted = 2,

Goose - white - 1,
orange beak, orange legs.

+ the special GBP counted -

Finished at 1627 hrs.



Peel Cove 1642 h

Gravel = 80, 140,

Yb Sp. - 8, 39,

Whitish - 1, 1,

Green pit - 1, 1,

LPC - 7, 1, 1,
LBC - 10,

Darker - 1

Silb - 5,

Cool - 1,

Peat - 6,

Peat - 2,

Mud - 1, 1,

Finish 1653 hrs

Wed 30 Dec 1998

Veins only plumblytes.
Fine, light SSE ? wind.

Gauge read +0.115 w/s
~~170~~ - 0.05 d/s

Water leaking out

Very few (~~less~~ < 10) broods
upstream of gates (to first
barrage) - fewer downstream.

0-4 m w/s
Algal bloom (green) still there
w/s. Gas bubbles rising to
surface of (this has only developed
in recent days - today
is first day that I regard
number of bubbles as "significant")

No large fish activity w/s

Main flap valve (1) still open

(32)

highly likely
of a

Water d/s is being clouded
by silt cells from ups
(which is generally the situation
since the bottom silted)

No dead fish ups or d/s.

Can't see any fry.

Wang estuary phragmites
at 0608 hrs (30/12).

Many phragmites, gulls, crows, geese
feeding 10-80 m upstream and
more flying in as I sit & watch.

Geese at 0618 hrs need
+0.01 ups
-0.11 d/s

Water level up.
Water still flowing (less)
over the top board in the

Man used for opening (which
only has 2 woods in it).

4⁺² legs of queen (?) under
wood bridge

Took photos (1st!) with new
Nikon (64454 - frame
number 3+4)

Keep taking work
at 0650 hrs - water
flowing out

Took photos of osprey with
legs from - 400 154 -
my camera -

34

Womersley Estuary

from Tunnel House access
Start 0908 hrs

~~Crab~~
~~Star~~
~~Photo~~
~~Grass~~

Just majority of wide ditches
see July dict, then
Star & PeBD, then
shovel



$$\begin{aligned}
 &1400, 1000, 1000, 2000, \\
 &2000, 640 \Rightarrow 8040 - 760 \\
 &\text{deduct cost} = \underline{\underline{760}} \quad = \underline{\underline{7280}}
 \end{aligned}$$

WPH - 42,

Grass - ~~22~~, 22,

Phonics - 23,

Y6 Spelling: 17, 13, 27, 6, = 63

Whiteboards: 7, 6, = 13

Swim - 100, 100, 81 = 281

BW SWH - 171, 59, 30, 190,
100, 69, 34, 68, 147, = 865

Arrest = 5, 1, = 6

Cost: 640, 120, = 760

Sw EBis = 15, 2, = 17

Paid Comment (Lage): 29, 14, 11, = 54

LPC: 10, 11, 6, = 27

Darker = 1, LSC - 2

B+W comment: 50,

(36)

SIGD = 330, 90, 240, 3, = 663

Shoulder = 20 +

Clackin Teal = 10⁸

Wholly Lake = 1 ✓

Countdown = 32 (white NW shore)

some strong eggs

From at 1102 hrs.

Melamp Creek (east)

Start 1122 hrs

Pa 00 - 100, 115,

Slab - 10

Whitish - 7

Coast Egg - 1, 1

5 Wfth # 2
4 Surtis

Finish 1126 hrs

38 Banded Plover around the
circular concrete water trough near
(SE of) intersection of Legman Rd
and Power Beach Rd
1129 hrs.

Worming Inlet 1131 hrs.

Shot at Pleasant Meadows

- | | | | |
|---------------|---|---|----------|
| Dexter: | 2 | 1 | Wfth: 1, |
| LPC: | 5 | 1 | |
| LBC: | 1 | | |
| Pahcen: | 1 | 1 | |
| Whittier: | 2 | 2 | |
| Little Egret: | 1 | 1 | |
| Great Egret: | 1 | 1 | |

(38)

Wongy Entlet mouth at
1210 hrs - water still
flowing out (just) from
cut in sandbar.

4 LPC + 1 Darter 250m
upstream of scabber (in
Wongy Entlet)

From Wongy Entlet at
1211 hrs.

Deerwile - shot at SW end
at 1217 hrs -

Water = 1,

Green gnat = 1,

2 family pools along to country.

Green gnat = 1,

Little gnat = 1,

White Ibis = 2
 Mottled Owl = 2, 1,
 Pied Cormorant = 2
 LPE = 1
 Red BD = 1
 WPhoe = 1
 Darter = 1

Frank at 1238 hrs

(40)

Vene esting floupples

anges at ~~22.00 hrs~~

1310 hrs on Wed 30/12/98

read + 0.10 m u/s

+ 0.18 m d/s

Water holding in three open
main gate.

"Also nearly *Nodularia* + *Anabaena*?
the Vene esting floupples
(Jenny Bushell)

Beside head may see at home
at ~0730 on 31/12/98

Do my floupples was closed
last night - rope stretched?

Photos 31/12/88 Vase
empty floodgate etc. Main
flood valve is open and
knob in eye is exactly as I
had done it. Spider webs
all over eye + the floodgate
in front of head mirror.

on 31/12
1420 hr. 1 eye readings
are + 0.095 u/s
+ 0.34 d/s.

Water flowing in fast thru open
gate.
One great spot 20 m up/s
on SE shore is getting steady
flood of (presumably) small
frogs. No other frogs feeding
up/s on d/s (except 1 water)

Wind v. light from N.

The inflow from the open
gate is now reaching the
just.

(42)

pole that has the continuous
loggers attached to (as
evidenced by movement
of stream) of fork at
confluence.

No large fish actually visible
up's ~~the stream~~ some
fish jumping d/s.

Wormy eating flukes at
1632 has hundreds of
frog on the up's side moving
slowly about over the bottom.
Also a few juvenile (small)
fish. A school of large
(?) fish moving about slowly
the surface is 20 m upstream.

Fish feeding about + frog laying
under road bridge at SE end
(in shade).

Water on up's side has become
slightly greasy in appearance.

Water looking in just frothy

Gauge readings at 1440 hrs
on 31/12

are +0.01 up/s
+0.34 d/s

No bird activity up or d/s
but there are ~70 pellets
resting on point approx 80 m up

Ross Burnett "fresh fertilizer"
- Madford Green - 97561181
- Improving some birds

Will Oldfred → "I will eat him"

Ross wants feedback.

John Wise says the 3 in 2

(L44)

Coastal superphosphate is not
causing nutrient enrichment
of bays

Water edge phosphate at
9.25 pm on Th 31/12/88

Pages read

+ 0.13 m w/s
+ 0.64 m 11/1/88

moderate ^{-strong} SW wind

Water flowing over bays 4, 10,
12,
+ level with tops of 7, 11;

Water not backing in past those
T, 5, 13, 14 only

(from S end)

Openable
~~mouth~~ gets closed due
to stretching of nylon
rope.

c20 legs (c25 cm) not
visible in strong flow (not
strongest) at north end of
plankton structure - only
visible because of shallowness
of inflow + relative clarity

in shallow to bottom

Many fish - some struggling
on ~~side~~ side of
gate - but not trying
to get out.

These are moving into flow 0-2 m up

46

Wings taken Philadelphia
at 9:45 pm on 31/12/85
gages read:
0:00 m w/s
0:59 m d/s

Water overflowing boards
in bays 2, 3, 7,

Water level with boards
in bays 1,

Strongest after those
2, 7 (from NE)

Weakest after those 10, 11.

No large fish

Wing Field north of
~~the~~ ~~the~~ 2200 hrs

- water flowing out
strong SW wind.

These strong plumes
on 1/1/89

31 pts, c100 S.G., egg,
White Dots, ducks, comment.

all ● 50 m up of
florida + feeding.

Jagers ~~near~~ (at 0645 hrs)

+ 0.12 m up

+ 0.04 m up

Modest S wind.

(48)

Main flygs valve (gate)
open (reglon rope has
lost started now pressure is off.

0730 hrs - finished
regulating rope & pulley
system with heavy chain
& shackles - sat
Vasee ploughs - (main gate
closed gate.)

Sat 2/1/99.

0730 hrs Tom Moore
tells me that yesterday
morning at 0730
there were many pulleys,
gates & pulleys floating
in the bay in front
of the pier.

Also 2-3 previous incidents
like this (but in the
west channel) on the
past 2 weeks (since we
last spoke)

Verse using flangeless
0643 hrs

- 2 Gyrfalcons
- 8 small terns
- double-crested cormorants
- 3 White-tailed Ptarmigan
- PcBT - 14

George flangeless 0655-0705 hrs
 15 Great Egrets, 3 Yb Swallow
 7 White-tailed Ptarmigan, 65 Petrel
 1 less of L.P.C., 1 less of CBC
 1 less of -566

(50)

Worming Estuary 2/1/99

0715 hrs

WSP - 14
C. ... 1 bank

45 ...

P. ...

Sung ... - 1

B. ...

A many others ...

Finish @ 0800 hrs

Worming estuary ploughed at

0820 on Sat 2/1/98

Payor need + 0.01 m/s
- 0.02 m/s

@ 80 pphms etc ...
5-80 m ...

Light E wind.

Beam under road bridge

V. large numbers of frog on bottom
near gauge (u/s)

1 plate of pebbles with
low concrete (69757 frame
no 5)

Use of wing plange
at 0832 hrs on 2/1/98

+ 0.105 m u/s
- 0.05 m d/s

Water looking out

Vase taking - 8/1/99

Met Terry Bruns (WRC)
at vase taking flightline
at 0330 hr on Fri 8/1/99

Did profiting our eyes to
taking was due.

Back at flightline at

~~at 0.055 m (w/s)~~
at 0642 hr the

ganga neck

~~+ 0.055 m (w/s)~~

+ 0.05 m (w/s)
+ 0.02 (d/s)

Have the ganga plate
been inspected?

- Jenny says no.

Water looking out? Certainly
not looking in.

Womany eating flingulis 2
on Fri 8/1/99.

Many birds distributed " (looks flight) "
Sail Plane - or - Broad-billed "

Blue - Yellow - Pink - White above
Blue (leading) - White (remainder) below
Flying straight & X bones above
2 people (one + aft)

Came low over Womany eating 2 100 ft.
then over Womany - flingulis
to coastline - then continued
SW along coast.

Checked gauges at cc 1830 hrs

- 0. ? w/s
+ 0.25 on ol/s
Flowing in -

(54)

Just activity is as described
by Trinity at a 5:20 pm
this afternoon (8/1).

No layer or masses found
at the gates.

- need hammer
- best gear notes
- sketch.

Womany Tullit month at
col B. 45 hrs on Fri 8/1/99

Water flowing in thru cut
in sandbar - which still
looks as it did weeks
ago (like new!).

cc 1855 hrs?

55

Verse of *Phragmites*

at \downarrow L but on

Fri 8/1/99.

u/s noticeable (cc 0.05 m)

d/s $+0.30$ m.

Flow in the gate -

~~From the *canal* of the~~

White pool in 4 m diam

was $\frac{1}{2}$ circle around

inflow green scum

(which) around that.

Thick green scum also

where water leaking in

past other gate

Several (only) large (c 30 cm)

millet warble song in

the leaves in at N end

of *Phragmites* (under slips).

Light SW wind -

(56)

Womys eschey fluidyati passes
need at 0458 hrs on Sat 9/1/99

+0.18 m d/s

-0.07 m ~~d/s~~ u/s

(-0.105 m ~~d/s~~ on old ~~d/s~~ u/s
gauge)

flow in (leakage)

(at 1243 hrs on the incorrect
car radio/clock = 0458 hrs.)

Three Nylt leon at the
water edge on u/s side of
flange. Much ~~more~~ red
large fish extremely ~~20~~ 5 + m
u/s. Offered touching
surface but not ~~to~~

W-

Overcast - light SW wind

(There was some rain in Bsm for at least part of last night - 8-9/1/93)

▷ breeding success + they are doing strongly.
No indication that they are in trouble ...

These early penguins at "1259" 0514 hrs on 9/1
Jagers heads

~~70206~~ up/s
+ 0.07m

~~720207~~
+ 0.19m d/s

(56)

Wings empty *Phryganea*
need at 0458 hr on Sept 9/1/99

+ 0.18 m d/s

- 0.07 m *Phryganea* w/s

(- 0.105 m *Phryganea* on old *Phryganea* w/s)

flow in (*Phryganea*)

(at 1243 hr on the increment
can radio/clock = 0458 hr.)

Three *Nyct* learn at the
water edge on w/s side I need
Phryganea - *Phryganea* need
large pool *Phryganea* *Phryganea* + m
w/s. Offered *Phryganea*
surface but not *Phryganea*

(57)

W-
Overcast - light S.W. wind

(~~Phryganea~~ June was little
lower in B.S.M. for at
least first half of last
night - 8-9/1/99)

→ breaking surface - they
are coming strongly.

No indication that they are
in trouble.

Three empty *Phryganea*
at "1257" 0514 hr on 9/1

Phryganea needs

~~Phryganea~~ w/s
+ 0.07 m

~~Phryganea~~
+ 0.19 m d/s

(58)

Follow up in

Expelling green steam
on surface up.

Wind light WSW. ~~Overcast~~
Overcast.

~~Design~~ (the one that is
checked again)

Main plug valve is open
by a measured 8 cm at
top (from normal position)

and extracted 25 cm

at the bottom

As well as the "expelling
green steam" (see above)

(59)

There is a mass of "crops"
sluggish brown
(see last summer's notes)

extending 0 - 4 m upstream
of phragmites. This is
being added to continuously

by the light to moderate
WSW wind that is now

blowing. This crop

is travelling quite fast along
the channel, to the phragmites.

Water quality ^{appears} much better
on d/s side of Vasee

phragmites at 0534 hrs.

(Can see into it to some
depth)

(60)

Sun 10/1/99 -

Kandy White + I spent
one of the hours looking
at the plants for approx 1/2 hr
in the afternoon. No birds
swam out. See form

prepared by Kandy for
details

Thurs 14/1/1999

Ussie estuary mangroves

Jaegers breed
+ 0.05 w/s

+ 0.08 d/s

at 0615 hrs

No wind (calm for much of night)

Slight drizzle out

No signs of large fish activity
upstream

at surface

Many interactions of " " " "
downstream so far as can
see (100's metres) (healthy)

Few birds w/s on d/s
(individuals of various species)

(62)

Wangy Esby plant fossils
at 06208 line
on Tr 4/1/98 99

- 1/2 Bonville - 4
- Pebbles - 30
- Great Knot - 6 + 1 + 1
- White Esby - 5 + 1
- LBC \rightarrow c100
- LPC \rightarrow c10

No fossils!

feeding in the "isolated" lagoon
on NE side of Wangy
Esby exit channel.

Pink sulphur bacteria in evidence
in decaying plant material at
water's edge (swamped)

Red sand - flat color

Water surface constantly "pattering"
with very large numbers
of fish fry (1-2 cm)

coming to surface -

Very large number of 1-2 cm
pink shrimp also ~~feeding~~
swimming right at the
surface. (baited in the
surface tension) - 0640 hrs -

One fish ~8 cm long swim
past with nose out of
water gulping.

Water is black with much
fine suspended silt.

several more doing same thing
in this "isolated" lagoon.

"Isolated" lagoon still
connected to main exit
channel by its own 3m
wide shallow channel.

No dead fish seen (or really sick)

(64)

Wings why flutgers gage
read (on 14/1/99)

dfs [- 0.09 m WRC gage
- 0.135 m old Water Comp gage

at 0653 hrs.

dfs [+0.035 m

Water trickling in

1 brown seen under road bridge.

Very little
fish large fish activity w/s

1000's 100's of gulls flying
in to isolated lagoon at
0655 hrs.

few birds (now only 1 pelican
+ 3 mink duck)

Left at 0657 hrs.

Need to do
clean Valve gauge
(broom?)

- read gauge at
head lower.
 - ^{remove} open fly valve?
-

Longs Tidal mouth at
0702 hrs on 14/1/99

Water flowing ~~is~~ steadily out
then cut in smaller.

A peninsula is extending
NE from W side of
channel. This peninsula
would be submerged at
high tide. Next to
this "point" the channel is

66

only 3 on tide at the
moment. (ie at this low
tide stage).

Very early phragmites at
0648 hrs on Fri 15/1/99

ganges read
+ 0.05 m ^{u/s}

+ 0.07 m ^{d/s}

Water looking out
Fish clearly ^{d/s} but
not ^{u/s}

light SSE wind

v. few (low 2?) ^{birds} ~~birds~~ ^{u/s}

Vene estuary south side
(from access lane at end)
of Ogony Dune

Walked to mouth of Sabine River

On the way there were
41 Greaterns fully
in the station -

0735 hrs - reached mouth
of river (Sabine). River
channel full of water, but
mouth was ca 15-20m
wide. Water separating it from
the waters of the estuary.
Elevation of bar approx 20 cm.

2 adult *Amegilla* and 2 juveniles
(not red heads) + 1 *Proctos*
in same channel.

68

Vase esty flights

at 1805 hrs on Fri 15/1/88

gauge readings are:

0.065 m u/s

0.26 m d/s

flowing in

I lowered the reverse flow
valve up to horizontal
position at 1800 hrs.

Moderate SW wind.

Vase esty flights on Sat 16/1/88

Gauge read:

+ 0.04 (u/s)

+ 0.06 (d/s)

at 0623 hrs on Sat 16/1/88

large
Much ^{of} fish activity d/s,
none ~~at~~ u/s.

* Light ^{SE} ~~strong~~ wind.

Slight trickle of water out

V. few birds u/s or d/s.

W among ^{fractures} ~~edges~~ rocks read.

- 0.11 u/s

+ 0.015 in d/s

at 0632 hrs

Scores of birds (gulls, cormorants,
PBBs, pelican, tern, gull)
feeding in 0-10 m by edges
of gulls.

* trickle of water in

70

Whang Eilat mouth at
0645 hrs on Sat 16/1/99

Water flowing rapidly but
shallowly (~~depths~~ (as
shallow as 20 cm) out
shore cut. — which has
now eroded to base of
rock:

Kilohler message: Tues 19/1/99

Sense: ups
 d/s

Whang: -0.12 w/s
 +0.12 d/s
 in

(71)

Tue 19/1/99

4.20 pm very G. Holtwater
sent 3 plywood to
open when using gate
for approx 20 mins.
He sent 045 - no worries.

Worring estuary flood.
I opened gate
at 1642 hrs. on 19/1

2 cm high at 1644 hrs.

Can see to bottom of closed
gate at 1644 hrs.

gate
1652 opened water
^

(72)

1705 - 06	— 25
	— 30 covered
07 - 08	— 80 "
09 - 20	— 85
11 - 12	— 50
13 - 14	— 75
15 - 16	— 25
17 182	<u>340</u> fish

1718 - reduced the ⁱⁿ outflows

1720 - 21 Not enough light to see Jewell's

1722 - 23 — 35

1724 - 25 — 115

1725 

Great Egret
juvenile darker

1726 - 1727 - 60

1728 - 1729 - 30

1730 - 1731 - 1

~~1732 - 1734~~ -

1733 - 34 - 25

1735 - 36 - 2

268

1738 - closed to -

1739 - 40 - small flow
some seen

1740 - 41 - none seen

1742 - 43 - nil

1744 - closed
but baby

1810 - possible 'fussy' birds

(74)

Wump entry gauge
At 1844 hrs on 19/1/89

~~20.20.21~~
- 0.145 ~~2/3~~ w/s

+ 0.205 d/s

c 5-6 schools of 20-30
fish remaining w/s
after closed gate

Most of the fish released
appeared to be 15-20 cm
long, occasionally 25 cm.

~~20.20.21~~

340 in 6 counted mins
of 11 minutes

(75)

268 fish in 7 ~~counted~~ mins
of 14 mins.

⇒ 608 fish
in ~~13~~ counted
13 counted
mins.

1642 - opened

1655 - first fish through

1705 - first fish counted (min)

1740 - last fish seen

1744 - closed

fish through for 45 mins
at $\frac{608}{13}$ per min

(46.8 fish per min)

⇒ $46.8 \times 45 = 2105$ fish

(76)

Time (2103) is
based only on the
first I saw, not
where that may have
been existing at other
end of gate or under
it

Kenny Miller message
12/1/99

Vesse	+0.03	u/s	+0.15	d/s
Wump	-0.12	u/s	+0.12	d/s

Wings Eilat month
at 1853 km

Water flowing in them
chart in December.

Space 20 m wide at
inflow. may be shallow
at S end at lower tides.



"
Matlab"

↑ useful for

log log fit is very good.
→ almost as good as the
form

< 1% error
with log log fit.

0.65% at
one end

78

KW 21/2/99 Vase +0.07 u/s +0.17 d/s

Wasp -0.16 u/s +0.14 d/s

~~5pm will go to office~~

Vase using gelis Fri 22/1/99
1900 hrs

+0.04 m u/s

+0.30 m d/s

drygle

Beast heard very home
at c 8.30 pm on
Fri 22/1/99 to
request for drygle

in front of his house.

I reported - from c 1905

- 1930 hrs. - frequent

"plopping" of med. size

middle ranging ~~water~~

underneath of the

water. No

birds trying to get them

they sang at surface

table.

"Plopping" less frequent

at 7.30 than at 7.05

pm. and the birds

said it was more

abundant earlier ^{in evening} - before

the rain started

(79)

Jungles extended at
least 200 m upstream
and at least 100 m
downstream of end of
Bellview Rd.

Basil - Thera? - 1 hour.

Webster Rd end from
7.32 pm → 7.36 pm

No photo jumping!

Notice that there is a
~~the~~ road - strong S wind

here but was virtually
no wind over school at
end of Belburt Rd.

Back at end of Belburt Rd
from 7.35 - 7.40 pm

Very noticeable that the
water surface is smooth
in the area where fish
were dying - due to
high bank (S side), trees
& 20m house) -

well protected from wind.
Water surface is rougher
by wind further up &
d/s.

(81)

Use edge fludges

on Tues 26/1/89

(26 0915 hrs)

Reduced opening of main flap
valve by two chain links.

Flow in.

Gauge readings at 0924 hrs.

+0.01 m w/s

+0.165 d/s

Moderate SE wind.

Some med.-size fish (smaller)
occasionally jumping out of water
10-50 m upstream.

No birds up here.

Wang inlet mouth
at 0935 hrs. - flowing
in then cut 2 cables -
Shelved at S end.

26/1/99 Tues

Vasee w/s - 0.01
Wang w/s - 0.16 } kW

I met Kanga White at
Honey piggies at approx 3pm
on Tues 26/1/99.

Opened one gate for 5 mins
from 3.30 - 3.35 pm
(after taking out all boards).
ie. the 3 I had left in

83

Head of water too great.
— I was concerned
about damaging which end of
gate and letting too much
water in so closed gate.
No fish seen to go thru
(or try to go thru). Gate
sealed better than before!
less leakage in. Replaced the
3 boards

Checked those edge planks
at approx 4 pm (24/1/99) large
head of water + lots

~~But~~ a torrent pouring in
even though I had reduced
the opening this morning.
Consider very shrewdly eye

(84)

instead of clean.

Working on plunger at
approx 0540 hrs on
Wed 27/1/99. Birds look
tons of pelicans, 100+ julls,
some immats + PaBD feeding
voraciously in lagoon next to
new dike - julls in the channel,
which is still just connected.

Use of plunger - replaced
chain with rope + pulley system
at approx 0600-0620 hrs
so that gate closes (due to
stretching of nylon rope) at
highest tides. Reverse flow
valve still lifted up horizontal.

at 0625 hrs on Wed 27/1/99.

Use of plunger gauges
read

0.00 m AHD a/s

0.17 m - d/s

Flow in.

(85)

0630 hrs many fresh gurgles
(introductions) on d/s
side of floodgates
(20-50 m downstream)

light SE wind - fine

Along Tule mouth
at 0637 hrs on 27/1/89

Water flowing steadily in thru
cut in center. Level is
significantly high.

Vern 27/1/99

Farm Roadgate - start at 0935 hrs
(with telescope tripod)

Darter - 1, 1, 1,

Woodcock - 1, 1, 1, 1,

White Stork - 1, 1,

LPC - 1, 6, 4,

Common Sandpiper - 1,

PoDD - 1,

CBC - e60

Wfth. - 1, 1, 1,

God - 2,

Water level
0.00 m AHD up
at 0942 hrs.

(87)

From Belleair Ch - start at ~~0954~~
0954 hr - now a gentle NW
~~wind~~ wind.

W. P. W. - 1, 1, 1, 1
P. B. D. - 1
L. P. C. - 5, 8
L. B. C. - ~~3~~ 1
Osprey - 1 - played with water
G. L. - 1

mutlet jangly - a few
many individuals

Songster - 1 heard.

Webster Rd - start at 1007 hr

Sparrows - 1
L. B. C. - 23, 5, 6, 1,
W. P. W. - 4, 1, 1, 1, 6, 1, 1, 1, 1, 3,
Whiskly birds - 1
Greenbacks - 7, 1, 1, 1, 3,

Whiskered Tern - 53

Skullbird - 65, 3, 3, 6, 2, 2, 3, 2, 2,
2, 9, 7, 63,

PoBB - 8, 1, 1, 1, 3,

Gyrfalcon - 17, 5, 2, 1,

Chimney Swift - 10⁹

Snow Owl - 12, 1, 1, 2, 1, 1,

Blue Skitt. - 33, 1, 1, 1, 42,

Pelican - 2

Great Egret. - 1, 2, 1,

~~Swamp~~ Marsh Duck - 1, 1, 1,

White Ibis - 1

W. G. Grebe - 4, 1, c30, ~~4~~ don't use
(60 candidates)

Pied ~~Grebe~~ Cormorant - 6, 1, 3, 1, 1, 1,
1, 9, 2

Creeper - brown - white under tail
or Red - *Auriferus* Spotted Creeper

White Ibis - 1

Reynolds - 1



Frank J
1045 W

(89)

Melbury Creek (best)

Start at 1055 km.

Yb Sp. shell - 1,

Bb Shell - 40,

U. D. net 84 (Pebb + Gyol)

Pebb 3, 7,

Gyol 23, 100,

Shel. 10,

11 P. H. - 8

Pebbles - 1

Red breasted D. Shell - 1

Grack - 2, 2,

LBC - 42,

Ud med sigt sandgræs (Woo sp)

7. (White Ramp + Hill)

Finished at 1145 hrs -

1130 hrs - Alba River access point.

Sled 228, 170, 40,

S.GL: 37, 35,

P<DD - 200, 100, 195, 49, 1,

Shov. - 232, 86

Cool : 24, 5

Mud : 5

Bu skt , 100, 71, 98,

WPHr - 21, 4,

Swen : 15, 21

Pik : 5, 8,

(91)

Greets - 1, 2, 1

Redemption - 7, - Redeemed Power
+ 2,

LPC - 4, 4, 1, 2,

It's better - cc 60

(from before?)
Yes

PC - 3, 2,

1 Wild Mountain (Woods?)
by flyer

GyTL - cc 30

~~Striped at 1343 hrs~~

↑
Much yellow spongy plants

covering c 50% of surface of
this bay.

↑ Fire - Moderate NW

1 Whiskey Lake

Finished at 1243 hrs.

End of Anstey Rd at 1303 hrs

Wills - 1, 1, 2, ✓
Gents - 2, 1, 2, (1.5), ✓
Bow Shot - 9, 1, 4, 21, 3, 71, ✓

Sibl - 1, 5, 98, ✓

✓ Skel - 5, 14, 100, 100, 100, 46;

Crack Spout - 1, ✓

White stone - 1, ✓

~~gpr~~ gpr : 148, 104, 150 ✓

Pelican - 5, 1, ✓

LPC - 1, ✓

Recap Pines - c16 ✓

Finish 1330 hrs

No About!
No Best!

(93)

E end of Vane edge - across
from Raven sign.

Start 1446 km

Great Egret - 1,

Pelican - 2 (?)

Sooty - 204,

Little Egret - 1

Booby - 14, 1, 135,

Grebe - 2, 1, 40,

White-backed Red - 1,

Shear - 2, 166,

Wfth - 37,

WP Clark - 2

PaDD - 1

White grouse - Pres will

Rep flow - 7800 71+,

Strat - 2,

Vesse using plumbline gages

0.00	u/s
0.46	d/s

"moderate flow in" - light NW

Wamp

-0.17	u/s
+0.45	d/s

Phone message from 15. White 27/1/99

Finish at 1522 hrs

95

Ford Rd (west)

start 1537 hrs

Shel - 26

Song Spar - 36, 1,

Red Shift - 9,

Golden Plover - 1

WSPN - 2

Great Egret - 1,
White f Clet - 1

REDD - 11

Shorebird - 1

Gyrf - 9

Crest - 3

Spar - 6

Meadow Lark - 1

Yb Song Spar - 3

Black f Plover - 1, 3

Sa Spar - 1

Finished at 1555 hrs

↕ Peat (Pioneer Core)
↕ (see Alan Clark's pages)

Then I swung (tanner) over
Ford Rd (west) as I
was leaving Peat Core
at 166 hrs.

Wings only fledge 23/1/99
at 0837 hrs
- 0.16m w/s
+ 0.13m d/s

light - moderate SE wind

I opened at 0837 hrs
one gate

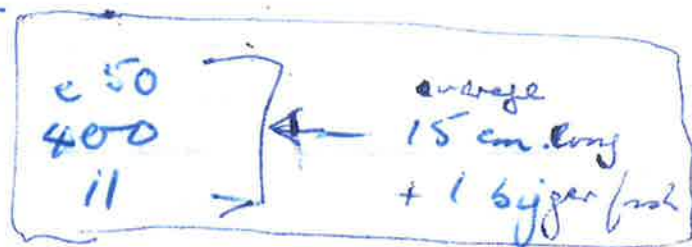
97

Light conditions ideal for viewing
opening from d/s side.

Striving in under the board
walk.

Fish started ^{swimming} ~~off~~ ^{from}
at 0848 hr

= 462 fish



0900 strong thru

Thousands of small fish close to
gate & on either side of
mainly current

150
400-500
420

I closed at 0908 hr

the gate \Rightarrow 31 mins
open

After I had closed the gate there were
still several thousand 10-15 cm

fish on upstream side of
gate - milling around -

Head of water was probably
too high for many fish to
attempt to go ~~thru~~ through
(water flow too fast)

All boards were removed
at the start by me and
then replaced when gate
closed by me.

Water level ~~at~~ - 0.16 m up/s
+ 0.158 m d/s
at 0914 hr.

c 80 salmon + trout etc.
fully in channel 120 m up river
(the whole time)