

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)
JL_(1992 on)_41	41	(Mar 03 / Apr 03)
JL_(1992 on)_42	42	(May 03 / Oct 03)
JL_(1992 on)_43	43	(Oct 03 / Nov 03)
JL_(1992 on)_44	44	(Nov 03 / Dec 03)
JL_(1992 on)_45	45	(Dec 03 / Jan 04)
JL_(1992 on)_46	46	(Jan 04 / Feb 04)
JL_(1992 on)_47	47	(Feb 04 / Mar 04)

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)

Nº27

June

\$0.70



Note Book

96 PAGES

No. 561

4 Feb 98 → 2 / 2 / 98

ESSELTE

(1)

Verse taking photographs
at 0913 hrs on
~~14 Feb 98~~ 14 Feb 98
gaze needs
— 0.07 m RHD

gals 7-8	145	0921 hrs
----------	-----	----------

Fine. Warm. Medium SSE
wind.

Very few birds anywhere
Water colour grey green.
No sun. No choppy
seas.

Womsey Endit mouth at
1008 hrs on Sat 14/2/98

38 Buvet resting
at the mouth (Ocean
end of cut.

Water flowing out thru cut
in summer.

Womsey's extreme floodgate
at 0616 hrs on Sun
15/2/98 (page
needs — 0.395 m
TMD (measured) =

2 pebbles, gulls, shells
etc, 1 seen, many of the

(2)

Water looking (looking) out

Took photo (64 sec)
of lagoon (40-45 mi)
mudflat on downstream side
of gates. Front 0835 hrs

Wmanga estuary gauge
reads - 0.395 m

MSD at 0843 hrs

on Sat 14/2/98

Water looking in from gates

Took photo of

floral vegetation extending
across mudflats along

E bank from floodgate

(blue photo 64 sec - N° 11)

③

Womage Endit mouth at
1008 hrs on Sun 14/2/98

38 Arvet resting
at the mouth (Ocean
end of cut).

Water flowing out down cut
in direction.

Womage Estuary floodgates
at 0616 hrs on Sun
15/2/98 (page
needs — 0.395 m
TMD (measured) =

2 penguins, gulls, albatross
about 1500, upstream of the

(4)

flangelets - Water
leaking in past.

Vessel being flangelets
gauge reads ≈ 0.085
(inches) at 06 27
hr on Sun 15/2/88

Water flowing in through
gun gate very pretty:
(monkeys in gun c 25).

Fine, overcast, very light
S wind.

Jan 7-8

175

0630 L.

cm

dull

Water colour is grey green

Very few birds upstream.

Some fish activity downstream

No fish activity upstream.

No current. No charged
regions. No duck fishWater level & level still in
place.

Worming's Inlet mouth

at 0640 - 0650 hrs

on Sun 15/2/98. Water

flowing out then cut in

river bed.

Took photos nos

5-8 (front film) - two

from W bank, two from

E bank.

⑥

Water rising through
gauge reads
— 0.085 m (100)
(inverted) at 0643 h
on Mon 16 Feb 98.

Water flowing in from
green pipes at low water
(mouth is at angle of)
65°.

Small effects of flow can
be seen at surface c. 10 m
upstream.

Flow, V by ESE end

gate 7-8	100 210	0647
gate 4	299	0649

(on the bottom)

Very few birds upstream
on downstream.

No fish activity upstream.

No dead fish. No stream

No clipped regresses.

Water column upstream

is grey-green in color.

Longsiding phenology at

0654 hrs on Nov 16/2/98

Gauge reads - 0.395

(measured) - Water looking
in pools.

1 egg at gate fence
on clipped regresses.

8

Wings Inlet mouth
at 0708 hrs on
Mon 16/2/98 - slowly
Water flowing out there
cut. Tide level
is still quite high.
current

2 Turnstone on beach at mouth.

Tues 17/2/98

Arrive along bank on
south side of Port
Georgie development
at 0640 hrs.

West limit

(9)

of water

N shore



Gedonia R. mouth

Seldrake, S. & G.,

Vessel using phlogopite
gauge reads

— 0.07 m AHD

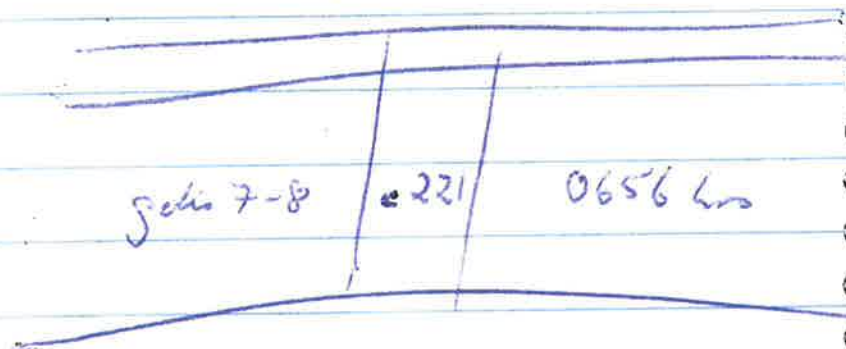
(normal) at 0652 hrs

on Tues 17/2/88.

Fine. light W^{SW} wind

(10)

Water pouring in thru open gate.
Can see its effects at
surface for c 40 m upstream.



Water colour is grey - green.
Very few birds upstream or
downstream.

No sear. No clayside
seepers. No dead fish.
No (or very little) fish
activity upstream or
downstream.

(H)

Lowrey. Shiny phragmites
at 0705 hrs on

Tues 17/2/98

gauge reads

0.395 m AHD

(minimum)

Water looking in fast.

Pink beak visible along E.
shoreline ~~from~~ ^{just} west of
gate.

No dead fish.

No fish rolling near gates.

Lowrey. Inlet mouth at
0718 hrs on Tues 17/2/98

→ Took from west bank.

→ Photo nos 9+10 (prints)

(12)

Water flowing out down
cut in sand.

Tide still quite high.

Vessel using photometer
at 0645 hrs on
Apr 18/2/98

Gauge reads
— 0.065 (measured)

Water flowing gently in
Fine. No wind.

Secs 7-8	232	0649
----------	-----	------

The nuclei disk was on
 the bottom. True
 reading was probably 235-240
 cm. (column)

Water column, *Agaridium* is
 yellow-green.

Some oiliness and bubbles
 (stable) on the surface.
 (*Agaridium* ^{side} only).

Few birds *Agaridium* (less)

No fish actively *Agaridium*.

No dead fish.

No clumped *Agaridium*.

Some (small amount of)

fish colony 5+ in diameter.

14

0650 - 0700 Lw on

Wed 18/2/98 ✓

used length of wire
to hold the "manifolds"
(reverse piping in the
single gear jetway) up
above the inflowing water.
(at an angle of 90° to
the vertical) This
will enable water to
flow out at the tide
changes.

Homings along gullies
at 0708 Lw on

Wed 18/2/98

gauge reads - 0.405

in ASD (measured)

Water level in fork
 Point Buckner still
 at water edge ~~for~~ from
 gauge to 19 m upstream.

Low level of basin
 (LPC, ASD, 1 WHH, 1
 goat) feeding at the
 base of the pondy area
 (downstream side). When I
 arrived. Saw

other birds upstream

No dead fish

No fish molly at the gate

No fish activity upstream

Pharos (ASAB) to N° 15 one
 of ^{worms} lettuce in the gutter and one
 of the whole gates - finish 0723 hrs.

(16)

Orange Eilat mouth
at 0725 hrs on Wed
18/2/88. Water flowing
out. Channel only
1.5 m wide towards
ocean end. No photos
taken.

0735 hrs water still flowing
in from Vase along open
gate

1251 hrs on Wed 18/2/88
Water flowing in strongly
cut in channel at mouth
of Orange Eilat. Moderate
— strong NW wind.

1255 hrs on Wed 18/2/98
 water flowing in from
 Vase along phytolites
 (right Vase gate)

Vase along phytolites
 gauge reads
 0.07 m above
 at 0648 hrs on

Th 19/2/98

Fine. No wind
 Man/lye still went up
 (longer) - Very slight
 flow in.

Very few birds singing
 on Downham.

jets 7-8	230	0657 hr
----------	-----	---------

Water is grey-green.
No silt.
No dead fish.
No jets clearly upstream.
Some ~~jets~~ jets clearly
downstream.

Went up using jet gauge
gauge at 0657 hr on 18/2/82
reads - 0.405 m
(normal)

A few junks, sticks,
 crumblers, small ingots
 of the junks. 4
 pieces on bank 100 m
 upstream.

Water looking in fast.

No dead fish.

No fish activity upstream
 of the junks.

Lowings Tullit mouth at
 0705 - 0715 hrs on 18/2/88

Take photos (EHW bank)
 (3 or 4) to
 Photo No 13 (print photos)

Water flowing out down narrow
 cut.

(20)

Have eating flinted
at 3.30 pm on the
19/2/98. Water
was flowing in to eating
from open gate and water
level did not appear to
have changed since this
morning so I ~~also~~ almost
totally closed the main
gate flaps. I left it
open by one chain link so
that fish could pass through it.
Main screen flap remained wound
up (ie non operational).

By doing this I have
significantly reduced the rate at
which water can flow in.

~~Rate of flow~~

Some widgeon plovers at
0645 hrs on Fri
20/2/88. ~~at~~

by gauge read
- 0.07 m AHD

~~is~~ (measured).

Water flowing in then slightly
green gulls.

Fine. Light SW winds.

gulls 7-8	211	0647 hrs
-----------	-----	----------

Some just widgeon 5+ m
downstream.

I put, flock of CBC (?)
some gulls on banks

c. 2000 m. deep

(Pebbles)

II.

L.

For

amount of "crag" sticking
on the surface 0-10

in updraught. Looks
like glass (now brown)
that has lifted off the
bottom (from where?) in
shell (2-10 cm) nets.

No dead fish.

No fish caught updraught.

c. 200 m downstream.

Long dense forest
(Pebbles, etc. broken, accounts,
This stuff) upstream.

Water column system is

gray-green. A few
amount of "cogs" floating
on the surface 0-10

m upstream. Looks
like ice (more brown)
that has lifted off the
bottom (from where?) in
small (2-10 cm) mounds.

No dead ~~fish~~ fish.

No fast rising system.

Homings ably plunges
 page needs
~~stop~~

— 0.405 m

AND (measured) at

0659 hrs on Fri

20/2/88

Helix liding — feet:

	Drum height	Sill height
1	77 above	1 above
2	—	2 "
3	—	3 "
4	79 "	3 3 "
5	79	4 "
6	80	5 "
7	79	3 "
8	80	3
9		

bag .		
9	82	4 stone
10	79	3 "
"	77	2 "

George reads (at 0724^{hrs})
~~SP. 388~~ in road
 (measured more accurately later
 at 0659)

— 0.40 in road

No frost melting at gate.
 No frost melting again
 Few birds

Among Toilet mouth
at 0736 hrs on

Fri 20/2/98

Water flowing out gently
then cut in water

Cut is too shallow
at this moment for
fish (other than guppies
etc) to pass through

No plants below

Water flowing
at 0745 hrs on Fri
20/2/98. Water
still flowing in

(26)

(26)

Vesee Sa 21/2/88

— 0.065 at 0954

Seiche = 161 cm

closed main gate (but
beating a lot. Flow in
Colour greenish grey.

Winnings at 1015 hrs. Fine.
— 0.335 Moderate SW.
and

Month at 1022 hrs — gentle
flow in.

Some early phragmites
 read 13.09 m
 (measured) at 0640
 low on Sun 22/2/88
 Morning tide still close
 Water being in
 Fine light E wind.

gates 7-8	177	0644 m.
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Very few birds (low level)
 flocks of phragmites
 (Hill jacks, ~~black~~ Thrush, crows,
 ♂ the first clearly *myadestes*
 some in *Chrysomitris*
 a little.

(28)

Water colour system
is ~~very~~ previous grey.

No dead fish.

No effect seen.

Most of the "cups" of
several days ago have
disappeared (disposed
by wind?).

Many empty flippers
found nearby

— 0.385 m. birds

at 0655 hrs on Sun 22/2/88

Water level in pool.

Few birds (less than —

P.30, G.50, W.100, S.100,
& others) registered of

jets (print 100 m)
 No sign of fresh activity
 anywhere.

→
 Herring Inlet mouth
 at 0705 - 0715 hrs
 on Sun 22/2/98

Side flowing out. Four
 groups of 7 point plots
 (2nd bank, 4 top of pile,
 1 E bank facing south)

Just right the tidal flow
 was strong enough to cut
 a channel through the
 sand bar that had developed
 from the west bank. New
 (submerged) channel is c 6 m
 wide and flows out at the

(30)

Current surges c/5 cm
deep

c ~~0700~~⁰⁷¹⁵ - 0730 hrs on
Sun 22/2/98 - went
back to Womby estuary
plankton project and
looked at half a dozen
photos (64 A57 - N20)
of plankton at base
of gauge & 2 m upstream

Went to Womby estuary
at 0637 hrs on
Mon 23/2/98
gauge reads - 0.08 m tide
(measured)

Light SW wind blowing. Fine!

gates 7-8	162	0634 hrs.
-----------	-----	-----------

Water leading in. (Main
gate still closed)

Water colour? (too
early in the morning)

Very few birds upstream
on downstream of gates

Some fish visible downstream
None in upstream

No sear

No dense forest - No eggs

Workings after phylogeny
at 0643 hr on
Mon 23/2/88. J angle
needs — 0.39 in SW
(increased)

Water being in fact.
No fresh activity appears
of the phylogeny.
Colors number of birds
No dead fish
Pinto bacteria still near fence

Workings. Tallest month
at 0651 hr on Mon 23/2
Water flowing over path.
The new channel of
guttering in the main

Channel today

Desse estuary flange gauge
at 0648 hrs on Feb 24/2/88

reads - 0.075 m (mud)

Fine - light SW wind.

V. few birds upstream or
downstream of flange

gates 7-8	165	0651
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Shout of fish near
surface 10 m down

from gates. Occasionally
rising & breaking surface.

Can't tell water column due
to light cloud.
Little or no fish activity
upstream of the gates.

Downing Tides north
at 0705 - 0710 hrs
Water flowing out strongly.
Old channel now dry and
all flow going out down
new cut. Took 2
photos (print NOS 21 + 22)

Wong Esing floodgates
at 0716 hrs on Tues

24/2/97 gauge
reads - 0.395 m AHD
(measured).

Port barrier for 8-10
m along shore near gauge
up to 30 cm wide. Very
evident.

No fish activity upstream
of gates

Very few birds upstream
of gates

(36)

Vase edge flange at
0705 hr on Dec 25/2/88

gauge reads
— 0.085

gates 7-8	167	0709
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Fine. No wind.

Very few birds upstream.

Some fish activity downstream.

No fish activity upstream.

Water column is grey-green.

Worms eating phragmites
 large ones

— 0.40 m at 10

at 0728 hrs on

Wed 25/2/98.

Notes of feeding - fresh.

Some mussels (100s?)

on higher side of
 phragmites.

Worms eating phragmites

at 0945 hrs on Wed 25/2

There were signs of some fresh

(38)

(mallet?) activity at c. 25 m
upstream of the floodgate.

Downing taking photographs at
5.35 pm on Wed 25/2/88

No signs of fresh activity
on upstream side of floodgate

Downing took movie at
5.45 pm on 25/2. Later
poning in the cat in sunset.
Took 2 photos (~~two~~ nos
21 + 22 of B4 ASA film)
of 3 wheel bike.

PICK UP A.C.
 AT 0730 AT
 WOWN. FLOODGATES
 TO TAKE TO STARTING
 POINT FOR WOWN. EST.
 SURVEY.

U.S. Army Hydrologic
 gauge reads
 — 0.08 m AHD
 (revised) at 0658 hrs
 on Th 26/2/98
 Slight double in post
 closed gate.

gets 7-8 | 175 | 0700 hrs.

Water column appears
 to grey green (cloud)
 Very few birds upstream
 The first activity in
 some " " downstream
 The effect seems
 to disappear regularly
 Fine - Light SE wind

Whomoe's Tuleet mouth
 at 0710-0720 hrs
 on Th 26/2/88

Water flowing ~~out~~ out

strongly then cut.

Took ~~some~~ 7 photos
(prints ~~to~~ → N° 28)

(2 from 4 beats, 1 from
facing south on E beat, & 4
from tops of sand pile on
E beat) Small group
(20?) of R. AV.

Dropped other clubs off at
small house (Wormy Inlet)

Wormy when flying the paper
needs

— 0.40 on RAD

at 0753 L.

9 Breeds yesterday.

(42)

Herring Gulls — since 9/6
(Live car Toilet Due + Bathroom Due)
Pigeon Cove (Barn Estuary)

Amongst phragmites at
0645 hrs on Fri 27/2/98
gauge reads
— 0.40 on 4th (indicated)

No fresh activity up to
of gulls. Fine.
Moderate → strong SE
wind.

Wormy Lutea mouth at
0656 hrs on Fri 27/2/98

Water flowing out from
cat in number at first
rate. No glass there

Worm eating plankton
George needs

— 0.095 at 0702 hrs
on Fri 27/2/98

gels 7-8	109	0704 hrs.
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Water colour is grey-green-
brown (dull)

(44)

Let the factory in then closed gate
No effect on river.

No fish activity upstream of
flapgate.

No dead fish.

Very few birds upstream of gate.

Close of flapgate.
Singer needs.

— 0.125 m AFD

at 0550h on

Sat 28/2/98

(45)

Sat 28/2/88

Vase estuary - SR

of Abbe River mouth

0630 hrs

S:GL.

Black winged Stilt
Pheasant

Sheldrake.

W. P. Thr

Great Egret

Swans

Grey Teal

Black Duck

Red Cormorant.

Red capped Plover.

Banded Stilt.

Whistling Kite

2 Fairy Loony.

Greenlets.

Shovels

Handhead (1)

Red-necked Duck 20

Common S. Lark

Red-necked Shrike

Redstart Tree (1)

Left camp at 0830 hrs —

↖ ←
 Had redneck along S shore
 most of the way to Salinas
 River mouth. Water's
 edge ~~was~~ did not
 meet any fringing vegetation
 at any point.

Vase looking pretty well
at 0610 - 0635
on Sun 1/3/98.

I opened the main
gate at 0620 hrs
and water started
pouring in. Stream
was broken at
surface c 15-20 m upstream.

Read gauge at 0625
0625 hrs. Level
was c 115 m^{ASL} (measured)

Fine, no wind. Forecast
hot today.

Few birds upstream of the
gate (+ few downriver).

No fish clearly visible
upstream.

Dark & lot of fish
sighting 107 m downstream.

No eel seen.

No clipped seagrass.

Some "cay" at surface
upstream.

No dead fish

Under eelby flurbyes

	seeds depth	
July 4	>95	0653
July 7-8	121	0652
July 11	>107	0655

Winnipeg Tidal month
at 0705 hrs on
Sun 1/3/88.

Took two print photos
(Nos 30 + 31)

Water flowing out.

Tide still quite high.
(Higher than morning of
past week at least.)

→ We are in a low pressure
zone at the moment
(hot & humid, no wind)

Winnipeg today floodgates
at 0715 gauge

reads — 0.40 on scale

Part feathers still abundant
along shoreline from the
last 8 or 10 years

of grass.

Water looking in fast.

Very few birds upstream
(low trees, mostly shrubs)

Noticeable small
swarm of mosquitoes

c 50 small fish
at the gates in the
inflowing water (length
is 10 - 25 cm).

No dead fish.

No fish seen.

They left the gates when they
saw me.

More fish activity visible 80+
in system of the jetty.

Mouth of Homing Inlet
at 0635 hrs on Mon.
2 March 1998.

Water flowing very slowly
in thru cut in sand bar.

Homing estuary flounder
gauge reads 0.395 m
AND at 0645 hrs on 2/3/98.
V. few birds visible. No
fish activity. But behavior
much less obvious.

(52)

Vegetation: *Phragmites*

Severe marks

— 0.085 m DAD

at 0650 on Sun 2/3/98

Water was still pouring in.

Closed the main gate

at 0705 hrs.

	seeds dyed	
gates 7-8	203	0710 hrs

Water colour is grey-green

(still)

Light SSE wind

Very few birds upstream or
downstream.

No fish actually upstream.

No effect seen on chipped
seagulls.

No dead fish

Wings along floodplain
at 0634 hrs on

Thurs 3 March 98

range near - 0.40 m
(AHD) (measured)

Wind moderate SSE wind.

~~Clear~~ Overcast - Cool.

No fish ^{actually} at gate (or upstream).

Water looking in fast.

(54)

Verse along playground
gauge on this 3/3/98
reads .

— 0.08 m STD
at 0640 hrs.

gates 7-8	167	0643
-----------	-----	------

No fish activity upstream of gates
Water backing in gully then
~~from~~ closed gates
Moderate - fresh SSE wind.
No dead fish .

(55)

Wongy Lake north of
0649 km of 3/3/88

Water flowing strongly in
No photos taken.

GC 08 96823173

Thurs 5 March 98

Have many glassfishes

gauge reads 0.12

on road at 0643 km.

Main gate still closed.

Temp around 35° only.

Light E wind.

No spot seen by them
in deepest regions.

(56)

	seeds depth	
sects 7-8	114 cm	364 7 hours

No dead fish.

Very few birds upstream on
downstream.

No large fish upstream
upstream.

Some or -- -- downstream.

Water looking in from
plunging.

Worms along plunging
at 0655 hrs on

Th 5/3/88 gaze

Neds — 0.405 in Arch.

Keep some pits between
beneath the gauge —

No dead fish

No fish along margin
of gully (low flow)

Very few birds (mostly
ducks, some Red Skirt,
a few small mammals).

Best moment observed

at base of gully (upstream
side) due to ducks

rearing — feeding on
lake bottom?

(58)

Morning Subit north
at 0705 - 0715 hr
on Thrus 5/3/88

Water flowing gently in
down cut in road bed.

Took point photos to end
of 36 exp film

(2 from 2nd bank, 1 from
ferry bank then 2 from
top of bank on E side)

→ some gas bubbles stream
still active.

(59)

(57)

Vasee estuary floodgate gauge
needs - 0.12 in ADD at
0651 hrs on Fri 6/3/98. Water
leveling & study.

Jules 7-8	107 cm	0658 hrs.
-----------	-----------	-----------

Wonnago estuary floodgate
gauge needs - 0.405 in ADD
at 0700 hrs on 6/3/98. One
small (less?) school of fish 30 m
upstream from floodgate. Wind
light E. Fair.

Wonnago inlet mouth at
0715 hrs on 6/3/98. Water
flowing gently out then into.
No photos taken.

Verse esky flung out
at 0540 hrs on

Sat 7/3/98

Page needs

- 0.125 m and

(assumed)

I opened one of the main gates
at 0600 hrs it

need - 0.12 m and (measured)

Use that reading - it
was clear before

Homing Inlet mouth
at 0606 hrs

on Sat 7/3/98

Water flowing gently
out then cut in
and bar.

(6)

Th

5 pm 6/3/98

- 0.135 m-425

08/29/98
215/02

Working along flange
at 0616 hrs in

Set 7/3/58 gauge
reads - 0.40 in (4.40)

(measured)

Some (less!) large
fish (mullet?) actually
2 - 30 in approx

7 gobs.

Must be feeding at
base of pylon on approx
side of flange
1 Tattle.

New "ship boots" (metal)
fitted to 2nd gateway
from W end of flange

(63)

Vase Estuary Seaside
Nature Reserve

excused from Inlet down

Sat 7/3/98 0650h

Whimbly 2

Black shinned Ill 100

Grey Thrush

Black - 10 Still

Black Duck.

Shelduck

* Red-capped Plover - ^{Flightless} 100

Black Swan

W. L. Heron

Shoveler - 3

Silver Gull

Upper Estuary Hydrogates
at 0944 hrs on
Sat 7/3/98

Range reads — 0.12 m
TWD (current)

gate 4	> 93	0945
gates 7-8	131	0948

Water flowing in strongly from
open gate water surface depth
difficult to determine at
gates 7-8.

Seach's depth at gates 7-8 at
1018 hrs is 166 cm (166 cm)

(65)

Water colour on paper
side is grey

No large fresh water
signatures of the fishes.

No apt. sum. No
changed express.

Very few books. (Two tens
of books + comment)
important of the parties.
Very few observations.

Single gas bottles rising
slightly to comfort

2-4 m approx of the
the gates 2 ~~I found~~
at North end
in 1+ m deep water.

I haven't seen this before.

Sept ~ 1025' h. (7/3)

Wrote today notes

at 4.15 pm on Sat

7/3/98

gauge

reads

— 0.09 m (H₂O)

(corrected)

Maybe SW wind

(67)

1.30 - 2pm → 3pm

Vero at Mum + Dads

Rhy to plan

Title: Bussellton - Margaret Times

Former Title: Margaret Bussellton Times

Period: 8 Jan 1964 → current

Title: Margaret - Bussellton Times

Former Title: Margaret District Times

Period: 8 Aug 1957 — 31 Dec 1963

Title: Margaret District Times

Former Title: — 3

Period: 12 Apr 1956 — 8 Aug 1957 2)

Title: Margaret River News

Former Title: —

Period: 4 May 1939 — 25 Dec 1941

(69)

Title: South Western News

Period: 26 Oct 1903 - 31 Dec 1963

Microfilm 26 Oct 1903 - 22 Dec 1949

"Southern Times"

Lt Brubaker's diary p 98

→ Sketch CSR 439/208.

Acc 36, Vol. 439, Feb. 1908.

Cab. 57 Top 3000.

John C. the best on 12/3

4 Dec 1903 "whole
 were missing from original
 file"

5 Feb 1904

8 April 1904

19 Aug 1904 (x2)

~~noted at 30/9/04~~

16 Dec 1904

13 Jan 1905

Albuquerque 3 Feb 1905

10 March 1905

31 March 1905

(71)

April 28 1905

9 June 1905

I stopped at end
of 25 August 1905

1905

Vase above phragmites
at 0854 hrs on
Tues 10/3/98 gauge
reads — 0.08₅ in (tot)

(measured)
Water flowing in from
the still-slightly-open
main gate.

gates 7-8	45 cm	0854 0856 hrs
-----------	----------	--------------------------

Water is a greenish grey
colour — garden of the
gates.

(73)

Womansong strong phosphates
gauge needs
00 — 0.34 in (0.00)

(measured) at 0910

hrs on Tues 10/3/98

Has been raining for

24 hrs + Strong

NW wind has just

spun up (at 0905 hrs)

Womansong Dark Mt. north

at 0916 hrs on

Tues 10/3/98

Water flowing in

Then cut in sent box.

50m away with
bushes

1 Banded Skitt with

~~Fast~~

Shin ^{up} back was full
dark chestnut band
& black belly patch.

Shin wing

There is definitely no metal band on
c600 73 ^{this} bird.

of which ~~2~~ c95% here.

4-1 2-1 7-1 9-1

46-1 ~~1~~ 3-1 11-1

92-7

Thom cut in sand bar.

50m away with
bushes

1 Banded Skink with
yellow legs fly on
left leg above knee
(stuff yellow plastic)
Shin back was found
dark chestnut band
& black belly patch.

Dark wings

There is definitely no metal band on
c600 73 this
bird.

of which ~~95%~~ c95% here to

4-1 2-1 17-1 9-1

46-1 17-1 3-1 11-1

92-7

(75)

~~c~~ c 95% here birds
and 5% don't.

Birds are well-defined.

These birds are feeding in
the main in shallow water
and always round on south
side of finger Rd in
an elevated area of
Point Grey.

c 0935 $\rightarrow$ 1005 hrs on
Thurs 10/3/88

Voore eating penguins
at 0822 hr on beach
11/3/88 jungle
needs - 0.04 m s.s.
(measured) Strong West
wind.

gate 7-8		150	0824 hr

Water color upstream is -
greenish grey color. No
swim. No sand for
water flowing in there
probably open main gate.

(77)

I closed the single
main gate that was
open, at 0835 hrs.

Note that the water on
the downstream side of the
gate is clear ~~in the~~
can see to bottom.

The water on the upstream
side is slightly greenish
gray - except within
a few meters of the
shore on one side of gate
where ~~the~~ it is black
presumably due to wind &
wave action causing
stirring of sediments here.

Very few birds in stream
on downstream of jetty.

1 Myio. perching on WRC solar
panel with ass over solar
collector.

Hummingbird along floodgates
jungle reeds
— 0.38 m. NAD

(measured) at 0850 hr
on Wed 11/3/88.

Hummingbird in mouth
at 0858 hr. Water
flowing in then cut in
sank to. Strong NW

(79)

work -
c 30 "best" groups of
types at
month.

At immediate 1. 88P) sent,

80

80

Vesce esting floodgate jenge

reads - 0.025 m RIA

at 0820 hrs on Th 12/3/98.

	sechi	time
Gates 7-8	214	0826 hrs

Water trickling in just closed gate.

Water colour upstream is greenish grey. Fine. Light S wind.

No fish activity. No signs on chrysalis signs.

Womans esting floodgate jenge.

reads - 0.37 m at

0835 hrs on 12/3/98

(84) Sat 14 March 1988. Wakeham ID
Group excursion. Started at 0630 hrs.

Vase fishing

- Pool in south
side of Baggins
of Pyramint between
Regina Rd + Estuary
(near beach)

0645

Eastern Cuckoo 1

Silver Gull

Booby

Brown optics in Park for
telegraph (Dick)

Darters - 2 ♂

Great Egret

7/5 Spurdow

Avocet

Little Red Cormorant

Little Black Cormorant

Black-shuldered Kite

Black Duck

Gray Duck

immature 8P/E/41+2 to 102

Large Red Cormorant

Song Sparrow

White Ibis

Shelduck

W. F. Heron

Green Heron

Common Snipe

© 755 hrs

(84)

Vase Entry 0800

Green-milled Iron - 32

Black Iron - 3

Cracked S. paper -

1 with coloured dots

9 in hole

end of Sat 14/3/98 excursion.

Vase entry finished
gauge at 1025 hr
at Sun 15/3/98.

reels - 0.04 in (red)

(measured)

Fine Light S wind
(was stronger earlier).

Wicked looking in v. study
just closed gates

most of
1. Brown floating "crag"
on surface for 2-3 m
upstream of gate and is
very to NW of gate.
Water column colour is
~~grey~~ brownish? grey.

	scattered drift	
gates 7-8	146	1028 hrs

~~Very few~~ Very few
(low level) birds upstream.
Fewer downstream.
No large fish schools
visible upstream.

(86)

Vessel estuary floodgates
- 0.045 m AHD (measured)
at 4-16 pm on Fri 13/3/88

Sales 7-8	139	4-19 pm.
-----------	-----	----------

gate still closed. Water level
very gently in. Water colour is
grey-green. v. few birds. No fish
Light SSE wind. Fine.

87
Homings esting planifolius
— O. 365 m 1905
at 1630 hrs on 13/3/98.

(88)

(1-2m)

Many small fish upstream
(and downstream).

No dead fish. No
spiral stream.

Worms eating fragments

at 1042 hrs on

Sun 15/3/98

— 0.365 m ASD

(measured)

Water leaking in fast.

< 10 birds upstream.

No large fish activity.

Worms Tulek mouth

at 1051 hrs on

Sun 15/3/88. Wehr
flying in this cont in
sand bar.

Most likely phalaropes
orange heads
— 0.04 m (HDD)

at 0938 hrs on Tues
17/3/88.

Light SE wind. Fine
slight breeze in

Even more "cops" flying
as in almost continuous
brown mat on the surface
extending 4-5 m by tran
of the phalaropes.

(90)

Whole rock here is ~~full~~
covered with continuous
mat of "crops".

Water column consists of
gels in brownish-grey.
Very few birds (< 10)
in column of gels.

Water is clear on down-
side.



Section mapping prevented by
"crops" on surface.

and within

Some pink colour between
nets of cups in north
bay.

Cups material is easily
or partly blown across
surface by wind.

No large fresh rotting vegetation
Many small (1-3 cm) fresh
both sides of jets.

No dead fish.

No algal bloom on surface.

Wormy eating flange-like

gauge needles

0.365 m TAD

0957 hrs on Tues, 7/3

(92)

Water looking red - Very
few birds.

Homage inlet mouth
at ~~10~~ 1005 hrs on
Tues 17/3/88 - Water
flowing vigorously in down
cut in sand bar.

Verse Ising fluvial
gauge

reads - 0.065 in (std)

at 0630 hrs on

Wed 18/3/88

Water leaking in from closed
gate. Fine.

Very light E wind.
Forecast 36°C today.

Mats of "cups" 3-10 m
upstream of gate.

More mats ~~400-1000 m~~
extending from 100 m to
180 m upstream.

Very few brats.

No large fish actually
upstream.

Some ^{pile} of pebbles on the
surface 4 m upstream of
gate (0.5 m $\times$ 1 m pebbles)

94

No dead ~~eggs~~ on drying
fish -

No birds & no large
fish activity downstream of
gates

Wings along phytogates
gauge nests
- 0.37 m (100)

(Chenault) at 0642 hrs
on Wed 18/3/98 - Water
leveling in fast.

7 Shrike (4 ♀ + 3 ♂)
roosting on slightly exposed
mud bank in Wharfedale
Islet - at 0644 hrs

(98)

Winnipeg

— 0.36 m AFD

at 2.48 pm on

Th 19/3/88

Vasse

— 0.06 m AFD

at 2.53 pm

Light ~~strong~~^W NW wind

Cold front $\leftarrow \frac{1}{2}$ hr away

Becoming heavily overcast

08 98 813019 (w)
Ken W. - 08 98 811444 (w)

Val's mobile -

(99)

017 157 866

Sally Lee

~~R. J. J.~~
Conney Cove

Mark Ireland & 9386 8790

~~W. J.~~ Yvonne - paper

Irish - roses

Charlie Gendner

- 08 9 346 3333

Room 9 - No ¹⁵⁵¹ 522+ (?)

100

Helena 9389 8752

not 2-5 pm

Sat 21/3/1998

~~BBB~~ at 9.20 pm

Water gauge reading
at base of
glacier
SL - 0.02 m

WAD - (not measured)

Water reading in ~~CA~~
Calm. main gate
appears to be still
closed.

Bus

101

Westrail: 131053

Sun: | ~~12.30 pm~~ ^{E Perth} ~~6.38 pm~~ ^{Bsn} ~~12.30 pm~~
1.30 pm → 5.38 pm

Mon: | E Perth 9 am → 12.48 pm ^{Bs}

Tues: | E Perth 12.45 → 4.23 pm

"SW Coaches" - Bus: 08 97541666

Bussport: 1.30 →

(Sun): 5.45 →

Bussport | 9.00 am →
(Mon + Tues) | 1.30 pm →
5.45 pm →

Plane

3 1/2 hrs.

"Skywest" 9 334 2288

~~Bus~~ Mon: 7.15 am

Wed: to

Thurs: 10 am

Low
Perth
Ansett
Domestic.