

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)

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	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

Jim Lane's Field Notebooks Index

(Revised Index of 31/5/2014)

<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
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)

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_(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)

~~No. 26~~
No. 26

J. C. L.

\$0.70



Note Book

96 PAGES

No. 561

J. C. L.

018 300 153

22 Jan 98 → 13 Feb 98

ESSELTE

(1)

Some sky patches
level too

- 0.20 on A+D

measured at

3.00 pm on Th 22/1/90

I pulled top board (of 2)
out at approx 3.15 pm.

Water flowing in to depth
of 2-3 cm.

Left at 4.42 pm -
water still flowing in.

7.01 pm - still flowing in
down gully gate. No fish
nothing at gate.

(2)

On 7.07 pm Water
flowing in from east
in sandbar at mouth
of Wanning Inlet.

~~Character of flow~~ Width
of flow narrow to c 3m
at ocean end.

7.17 pm - water
leveling in from Wanning
along flaps (still closed)
No sign of fish activity
in point 150 m upstream.
No ^{large} fish milling at the gate.

7.26 pm Water still
flowing in at same rate
through gate into Kasee cddy

(3)

Thousands of small bubbles
coming for a distance
of 3m upstream of the
gate. Still no
food melling at the
gate.

Fri 23/1/98 Vane colony
fluorogelin 0630-0640
Dive in first 180m upstream of fluorogelin

22 Regent 16 Spinkbill

SIGL - 100 Sren 8

PABD - 24 MastD - 4

LBC - 6 LEC - 11] most
overing

Wfthn - 15 Cuck - 2

Hare - 2 Bushb - 6

Compspe - 1 Pelvic - 1

(5)

Water level pondgate gauge
reads (assumed)

— 0.16 m AHD at

0643 hrs on 23/1/88

gate 4	23 cm	0645
gate 7-8	28 cm	
gate 11	28 cm	0648

Water level out from
stop boards - Water level
c / cm below top of single
stop board in gate opening
⇒ height of this board is
approx — 0.15 m AHD
(as indicated yesterday)

(5)

Water surface system is
only. ~~Some water~~ ~~surface~~

Much white foam & some

~~light~~ ^{green} ~~foam~~ ^{swimming} for first

3 or 4 systems of gels.

No large fish activity visible
systems of gels.

No new dead fish.

Cloudy. Slight ^{SW} wind.

Has been light showers (occasional)
overnight.

0855 hr. Some small (1 cm) fragments
on down side of gels.
& are dead on surface >
1 is slightly, others at
surface & very lively.

(6)

0650 - 0705 hrs - watched
eggs steadily activity -
very small (just?) - ~~4~~
to around 3m long.

Very few birds ~~of~~ on downstream
side of Plouffe's so
presumably small just only eggs
in numbers on upstream side.

0715 hrs - mouth of Wings
Inlet - water flowing out
thin cut. One ^{pink} photo
(No 14) from new position

0723 hrs. - Wings still
Plouffe's - no large
first activity ~~for~~!

(7)

No fresh eelgrass beds for
at least 100 m. No
more dead fish

Eelgrass beds at 0725 hrs
— hundreds of eelgrass
feeding in the bay. Other
(green) ^{beds of eelgrass} small
fish beds not extending this
far upstream & no eelgrass
feeding in this bay.

Unseen eelgrass plants at
1.30 pm on 23/1/98.
Water level (gauge reading) is
— 0.145 m AHD

(8)

Water level with top of
~~stem~~ single board in
guttering. Water level
on Inlet side is 2 cm
below Top of board.

Small fish (fingerlings 1-2 cm)
swimming + flying - Inflamed
gills, tremors - swimming
Burnell (WACC) took samples

5.55 pm - Water flowing
in strongly from those
asking asking gate -
Golden Bell Water in Fisher
Moon installed a "reverse
flap" this afternoon. (23/1/98)
replaces the single board

(9)

2nd. Locks free flow
to while preventing flow
out unless estuary level
is above ... ? m.

Many fish using locks and
gates still feeding on fragments
in just 150 m upstream of
the gates. (6.01 pm on
23/1/58)

Lowest Tidal mark -

Water flowing rapidly in
at 6.15 pm. Moderate
SW wind.

(10)

Vase wing phidolus
at 0655 on SEA
24/1/88.

Took last photo with
ASA 64 (36 exp) roll
(had been a few yesterday
like yester one also)

Large nests — 0.16 on
Fore — v. light SE
 breeze.

gals 4	30c.	0657
	29c.	
	28c.	06 0700

Strongly yellow, black &
 other birds on
 exposed side of nest
 head or back.

Water dripping out

Thorn ^{deep} dark green leaves.

Birds generally sitting in
~~leaves~~ ^{leaves} ~~leaves~~ ^{leaves}

The size of large red ~~leaves~~
 on exposed side. The ~~leaves~~
 birds in ~~leaves~~ ^{leaves}

(12)

Wings fold out
at 0708 hrs - flying
out - took 2 joint
photos from W bank
(Nov 15+16) =

Wings folding together



— 0.28 m/s (m/s)
at 0716 hrs on 24/1/98

Wehr is looking in

View along phreatic at
~~0705~~ 6:50 pm
 on Sat 24/1/98 - gage
 reads (measured)
 — 0.155 m AHD

Water flowing in strongly
 from single open gate.
 light wind.

View across phreatic gage
 reads — 0.15 m AHD
 (measured) at 0705 hrs
 on Sun 25/1/98.
 Light SE wind. Fine.

(14)

gate 4	39 cm	0709
gate 7-8	42	
gate 11	45	0713

I would attribute the
increase in seiche depth
to the amount of water
that flowed in at high
tide last night.

Thom is drab brown (not
greenish brown) this morning.
Some birds - gulls, geese,
loons, ducks, etc. are in
this morning, but fewer
than yesterday. They

See evenly scattered at
least 1 to 1000 birds
in patches.

No sign of large flocks
except in patches.

Water bubbling out.

0723 hrs on Sun 25/1/88

Water flowing out down east

in mouth of Young Tule.

No photos taken.

Lowings estuary floodgate

gauge at 0730 hrs on 25/1/88

— 0.265 mms AHD

(measured)

Water bubbling in pool closed
gates.

(16)

Venus colony photographs
at 5.07 pm on
Sun 25/1/98. Gage
reads — 0.165 m bars.

Water pump in third cycle
open gate. Brown
on eastern side is now
a ~~light~~ mid-light brown.

Hott day. ~~Water~~ light to
moderate West wind at the
moment.

First Duck, 2 B.D.
Gulls 1 juvenile, 2 adults.
34 other birds
shlt on eastern side of
gate.

1 sick L.P.C. 2 m down from
the gate. In the water
Doby has sunk so back is
hard back water surface.

Swirly in circle 1 m diameter.
 Legs half out, in water.
 slow, jerky movements. No
 obvious sign of egestion.
 Fair amount of "eggs" (gel
 mat lifted to surface)
 is flowing in from
 Herring Turret. It is
 an eddy of 8 m diameter
 on upstream side of gate.
 No sign of large fish activity
 on upstream side of gate,
 but darker in flowing -
 Photos (GKA SST - nos. 1, 2-5)
 taken of flow in, (pools),
 crop on surface. From
 5-23 pm.

(18)

0645 hrs on Mon 26/1/98
(Public Holiday) took 2
photos (645812) of swans
swimming the pond at
Striving's Terrace.

Vison taking purple gage reads
— 0.14 mAH (measured)
at 0650 hrs.

gate 4	49 cm.	0651 hrs.
gate 7-8	46 cm	
gate 11	44 cm	0655 hrs.

Waters probably gully out.
 Small number of small
 (1-2 in) always on shoreline
 side of gully. Some
 getting from a small number
 of small fish 1 per distance
 of gully.

Scores of birds — gulls,
 on shore, Mute Duck, Pheasant,
 quail, W. Plover, P. B. D., etc
 and 1 small specimen of the
 gull, feeding — not
 as many as when at peak
 a week or so ago.

Light SW wind. Fine.
 Hot (35°C?) predicted

Today. No large fish
 coming in the bottom side

(20)

of the jets ~~are~~ for at least
150 metres. No
more dead fish.

Brown is dull greenish
brown. Light ^{pink} - mid
brown yesterday & so presumably
colour varies different at
different times of day.
A few degrees of "brown"
to water surface for
first 15 or 20 minutes.

All the "bays" from
yesterday yellow has
drown greenish.

Took photos 17-19 (parks)
at mouth of Whangpoh Ditch
at 0715 hrs on Mon 26/1/98.

Two from east bank. One from
grassy bank on E side of Ditch.
Water flowing out then cut.
Water of Ditch still has
milky appearance.

Whangpoh estuary photographs
at 0730 hrs on Mon
26/1/98. c100 market
trading at the gates where
water is backing in.

Just early boats have moved
in at approx 100 m

gates of gates - c100 ^{SGL} ~~stop~~

(22)

10+ everts, a few others,
scores of ~~the~~ small crabs.

These are fairly
some actually of small
fish (or school) seen 10 or
upside of jets. I
tried to give the fish
but too much pressure on its
upstream side.

Very strong floodgates
Gauge near (measured)
— 0.095 m at

0636 hrs on Tue 27/1/98

Moderate - strong SE wind.
Cool. Fine. Not gusty.

gate 6	45	0638 hrs
gates 7-8	44	
gate 11	44	0640

Blow is down, dull,
faint breeze.

Water trickly just over the
gate.

Many small (1-3 cm) ships
on down-drain side of plumb line,
also some small (1-2 cm)
fish.

Water level on down-drain side is
only 1-2 cm below level in
estuary.

(24)

Few birds yesterday of the
quits to at least first
band (where small worms
are roosting)

In first 100 on shore are
c 15 B. S. H., c 8 S. G. H.,
c 5 P. B. D., c 4 Mask Duck,
c 1 Diver, 2 W. H. H., 1 P. C.
roosting, c 3 W. C. in water.

No sign of large fish activity
on either side of Gables for
100 + on yesterday or today.
Dead fish of both c 2 weeks
ago ~~have~~ are now
very inconspicuous due to
slaying.

Mouth of Herring Inlet
 at 0657 hr on Tues
 27/1/98. Water
 flowing out fast from
 cut. Water level
 is clearly considerably
 higher in Inlet side
 than on ocean side.
 Cut is now long & shallow.
 No photos taken.

Herring using plankton
 gage nets — 00295 m
 (current) at 0714 hr
 on Tues 27/1/98.

Along SE side. Many
 hundreds of jacks and small
 crabs, 50+ gper

(26)

at first ~~beach~~ beach. The
Znate are fishing along the
beach. No large
fish ^{already} seen.

Wineys ~~beach~~
at 27/1/98

~~4.00~~

4.00 pm opened gate
4.48 pm closed gate

— 0.255 m (measured)
at 4.20 pm.

— 0.245
at 5.55 pm

Test many 64 AS/7 plots
 (up to No 20) of open
 gates, swans, flow,
 workers

~~Very strong floodgate
 after 10.05~~

Very strong floodgate
 water flowing in ^{strongly} there
 open gate at 5.10 pm
 on Dec 27/1

(28)

Time taking gauge

to reach — 0.115 m

ATD at 5.15 am

on Wed 28/1/88

Water still flowing in the
open gate

Modest SE winds

Hornsey's strong floodgate
gauge reaches — 0.295 m (measured)

at 0520 hrs

No large fish mulling
on upstream side
of floodgate.

(29)

Vase using flashlight
for the night

U - 0.090 on road
(measured) at 6.27 am
on Th 29/1/98

Water on upstream side of
gate is now clear!

Can see the bottom very
clearly in places for first
time since began study
morning

Virtually no bank upstream
of gate ~~for~~ ^{to} it here. The
first bend. No algal

blooms! No clogged Sargassum

30

Water leaking out shyly
from pharynx

Water is naturally much clearer
on downstream side of
gate too. (Clearer I
have seen it that I
can remember.

~~Mangrove~~ Mangrove
mouth of small (1-3 m)
streams - small (1-3 m)
pool on downstream side of
gates. Elev. 20 or so
large (15-25 m) pools
(some at least are saltwater)
surrounding stream downstream
side of gates.

(31)

No ~~large~~ fresh cuttings
visible on upstream side
of gales.

2 dead eggs (large fresh)

gale 4	110 ⁺ m	0638
gale 7-8	225 196 m	
gale 11	100 105 ⁺	0644

The depth of water (surface to
bottom) was 225 m at gales 7-8

The ~~water~~ ~~depth~~ was on
the bottom at gales 4 + 11.

(32)

Winnings ~~to~~ Inlet

mouth at 0655 - 0705

Lo. Took 3 print

of Litter (N^o 20-22)

Water flowing out strongly
from the vent.

Winnings estuary flange gauge
reads — 0.325 m
(measured) at 0715 hrs
on Th 29/1/88

c 500 ~~smaller~~ ^{mullet} ~~fish~~
(10-15 cm) mulling in.
flow down gutter. Not
pushing against gates. Not
a whisking mass of fish.

c 50 gnat, 20+ pelicans
100+ gulls, many small
animals 20-100 m

system of gulls. Many
more pelicans feeding further
upstream. Still a
"waterbird spectacle".
1 dead egret.

Waves along fluvial
geologic ridges
— 0.06 m AHD

at 4.32 pm on

Fri 30/1/98

Moderate ^{strong} SW wind.

Waves breaking in the channel
upstream of the fluvial

Water flowing gently in
 thru the single open gate
 with 2nd flaps valve.

Water clear upstream
 and downstream.

1 dead swan and 5
 live swan (possibly a feeding)
 near floodgates (upstream
 side) + 6 P.B.S.

Only 8 swan / bank
 (1 spec + 1 more Duck)
 visible with naked eye
 to first bend upstream.

Many small (1-2 cm) fish
 immediately upstream
 visible downstream of the
 gates.

No dead fish.

No large fish activity
visible upstream

4 fish present on downstream
side.

1 Malloway, Brown,
Small Taylor, long
caught downstream of the
gates.

Heavy clay flinty
gravel reads

— 0.335 m AWD

at 4.47 ~~hr~~ on 30/1/98
Pm

(36)

Water leaking in the
jetis.

Single school of c500
small (5-15 cm) mullets
in flow on western side

Wonga Island mouth
at 4.58 pm.

Water is flowing steadily
in through the cut.

(37)

Vine along (low tide) gauge
reads $\rightarrow 0.07$ in (M)
(maximum) at 0657
no on Sat 31/1/88

gale 4	104+	0653 hrs
gale 7-8	211	
gale 11	110+	0658

Water looking steady not the
gale

Force: V-light SE wind

Very few birds (S. Al., B. S. Al.)
evidence of gale

(38)

Many small (1-2 cm)
fish & a moderate number
of slugs (1-2 cm) on
downstream side of gate

Also a dozen or
so 10-20 cm fish, ~~mostly~~

~~the~~ ~~slugs~~ Very little fish
easily visible further
downstream. Some small
youth

One Black-bellied Diver
chick (Class II) - downy
birds downy 5 m

upstream of the gate.
Overhead the following birds
last gate 4 and the
beard hanger also

(Cont with)
 ^ gets 7.

Water between eyes clear
 less an "ocean green" appearance
 but is not that clear.

Wormy. Inlet mouth at
 0715 hrs. Flows ^{strongly} out
 the cut in sand bar. Took
 print Photos 23 & 24.

Wormy is very
 prolific
 gauge reads — 0.34 m TMD
 (pressure) at 0725 hrs
 on Sat 30/1/88
 Several birds 15--20
 km mallet malleting at
 all gauges. Wave looking

(40)

in. Tank by ASA photo
(to No 27.)

Worse looking flounder
Gage ~~to~~ reads

— 0.07 m AHD
at 0658 hrs. on Sun
1/2/98

July 2-8	224 cm	0.207 km.
----------	--------	-----------

Beck's tank depth is
> than depth of water
at gages 4 & 11.

(41)

L. 2x LSW and - Overcast.

Cloud. (Heavy?)

A few large fish on
shoreline near of jetty.
Water looking out

Heavy Inlet mouth

at 0710 hrs (1/2/98)

Water flowing out then
out. No plates taken.

Heavy early floodgate.

at 0715 hrs on 1/2/98

28 Pch

6 W Pch

19 Count ~~20~~ Right

< 150 S. Ld

Little Eggs - 1

(42)

Cytl 14⁺¹¹ P. BD 17
S. L. 3 Great Cornet - 1
LPC 18 LBC 10
B. W. P. 11 Swan 1
Y. b. S. 1

Cell the above birds are
within 0-100 m upstream of
fluvial and most are
feeding. Most of
the population (incl. the
juv. & adults) were
0-5 m upstream of the
jakes when I arrived.

Always using plumbline gauge
reads — 0.355 m (at 10)
at 0726 hrs on 1/2/98

(43)

No frost visible on upstream
side of glacier. ~~Heavy~~ ^{freezing} rain
today in morning. Due to
freezing action of winds.

Arrive 0729 hrs on 1/2/98

Very early morning

gauge

— 0.08 m read
(corrected) at 0643 hrs
on Mon 2/2/98

Fine. Cool ~~light~~ ^{Very} light ESE wind.

Site 7-8

181 cm

0646 hrs

(244)

Water looking out from gates.

(10-20m)
Many small fish and a few
small (1 cm) shrimp
on downstream side of gates
A few larger fish (15 cm)
fish also.

1 Water column on upstream
side looks greener than
the past few days.
Very, very few fish & heads
upstream of gate to
first bend.

No algae seen on channel
sedges.

No large fish activity
in the upstream area.

Shoreline of the glets
 for 100+ m. The
 dead fish have been
 (in part, less deep)
 completely disappeared
 from the vicinity of
 the glets.

Long Inlet mouth at
 0655-0705 hrs. Flowing out
 gently from east in bay.

Photo No. 25-27 (print)

Water from at least point 40 m
 upstream of east is very
 milky and has numerous
 streams of bubble (bubbles)
 rising from it.

(46)

Herring using pharyngeals
at 0715 hrs on
Apr 2/2/98.

Hundreds of herring,
mostly gulls, small amounts
and ducks in front
100 m upstream of the
gate. Tens of these
feeding at gates (first
10 m) showing signs the
usually be there. What
are they feeding on?
No large fish seen.
Gorge not used.



Vannoy postholes

page 124 (continued)

— 0.085 in road

at 0637 hr.

on Tues 3/2/38

gate 4

299

0639 hr.

gate 7-8

114

gate 11

298

0642 hr.

Fine, Cool, No wind.

Water backing out thru gates.

Very few birds up here &

lots of pine wood.

(48)

(1-2m)

Many small fish and a
few small sting on
downward side of gate

Also saw patches of water
of larger (15cm?) fish.

No signs of larger fish returning
upstream of the gates or
further downriver of gates.

No seen upstream of gates.

No delayed seagulls " " "

to be seen

Water upstream has a dull

grayish greenish appearance.

Two Right Herons under the
floodgates.

Photo of S. small fish
to 10 ft in diameter of the
gate.

Longer side runs at
0659 hrs. then flows
gently out. (Channel flow
in channel) is now only
3.5 m wide at narrowest
point and at shallowest point
(ocean end) is only a
few cm deep.

Longer side flowing
at 0705 hrs
on 3/2/98. Page not
read. cc 200 lines.

(50)

mostly gates & drains
drains - 1 night
then across the gates

Floodgates at Burton
- view on ROC beyond
Reservoir - 7.25 am Tue 3/2/88

Granny Brook - controls
the opening & closing of
the gates (private
contractor? works for
Dept. of Transport ??)
Opened or closed 12-20
times per year.

Sketches for consideration
of low pressure systems

and predicted high tides:
Wind also a factor.

Vessel using portable
geiger meters
— 0.095 (normal)
at 0642 hrs on Wed
4/2/98.

July 2-8 93 0649

Fine. Cool. No wind.

(52)

(leaving)
Water bubbling out

Water column system has dull
green appearance.

No oxygen seizers on
column.

Flow of water of liquid
from activity 50 = m.

downward of gate. None
apparent.

Very few birds in water as
downward of gate (as far
as I can see)

Today I am describing
the creek on small fish
+ showing on downward
side of gate - too small

Conway

Winnipeg inlet mouth at 0655

in. Water flowing out. Only
a few cms deep at ocean end.

Plots No 28 + 29. (prints)

Winnipeg colony floodgates

Arrived at 0705 hr on 4/2/88

73 Egret (7-10 Little Egret
63-66 Great Egret)

c50 Pelican

82 WRAH

8 Yb Sparrows

Sec I

c300 S. GL.

LPC, LBC, Great Cormorant.

Geese. Ducks.

2 Castle on island with

sign.

(54)

These birds were feeding

C-100 in water of

the phylloids. No

large fish seen on downstream

side. Water disturbed

possibly due to feeding

activity. Depth

not measured.

Verse estuar phylloids

gause nests

C-105 in (2/11)

at 0635 hrs on

Th 5/2/98

Time, Cool, light S wind 1

gate 4	87m	0637 h
gate 7-8	90	
gate 11	83	0640

Water backing out from
gates.

Very low water system or
drought

No real activity visible system
A little in the ... direction.

Water color system is a
dull greenish yellowish colour

No check point

No rain. No change
regions.

(56)

Wormy Inlet mouth

at 0650 hrs.

Water flowing out then cut
a small bar in it.

Is only 2 m deep, and
3 m wide and 90 m
long. Impossible to
fish at this (low) tide
level. No gulls
seen.

0655 - 0705 hrs.

Took photos (64 AS4)

to No 33 of gulls

at Wormy Inlet
(in the Inlet)

(57)

is — 0.385 m (15.2)
(assumed) — I dug
beneath the pane with
shovel to obtain this
reading.

Have using photometer at 6.01
p.m. on Th 5 Feb 38.

There is some sort
of automatic, solar powered
recording station on the S
bank 8 m from photometer
— installed today.

(59)

Large loud reading at
Winnipeg using pharynx
at 0708 hrs
on Th 5/2/88

is — 0.385 m to 2
(measured) — I stay
beneath the page with
shovel to obtain this
reading.

There using pharynx at 6.08
pm on Th 5 Feb 88.

There is some sort
of automatic, rather powerful
reading system on the 5
book 8 on form pharynx
— installed today.

Homings: eating phragmites
at 6-24 pm.

Water leaking in past.

One group of c 50

small (10cm) fresh

(smallest) molting at

jettes, trying to get out
thru flow.

Verse eating phragmites

gauge needs

— 0.12 m AHD (measured)

on Feb 6/2/98 at

0642 hrs.

Fine, cool, 16 wind.

Water leaking out

(60)

gate 4	90cm	0644 hrs
gates 7-8	86cm	
gate 11	86cm	0644 0647 hrs

Bloom on right side of
gate in shell, deep
at gate end brown.

Some oiliness & slight swimming
on surface. Bubbles largest
in this surface layer.

A few birds upstream of
gate to first bend.

No sign of fish activity
upstream of the gate.

Low amount of fish
activity 10 + on river.

Observation of the gates
No dead or struggling
fish.

Survival (3 at least)

45-50

Large ~~fish~~ in front

at gate in stream.

side large fish)

Tether

no Mullet - are they
moulting? No.  find every
way

Can have slightest cutting
for first time - all
my visits were in
absence of 97-98.

(62)

Bank of Longs. Lake
at 0702 hrs -

water flowing out then
cut in sand bar.

It's only one deep and
reaches to 1.5 m at
see end.

Winding along fluvial

finger necks

— 0.40 m AHD

at 0711 hrs on 6/2/88.

25 pillars or 15-20 ft
(all in nearly front) 0-100

no specimens of the gulls

Also seen of gulls, ducks
& cormorants.

(63)

No fish molting at the gates
The birds were feeding
in the ~~water~~ channel.

Peel / Pioneer
Cove

Fri 6 Feb 98
10:05 pm

Yellow-bellied Sapsucker 30
Gray Tit
Shrikes
Wood Sapsucker
Sharp-shinned Hawk
Audubon's Oriole
Brewer's Sparrow

(64)

Black-b. Plover

Pelican

White-faced Heron

Black Duck

Purple Swamphen

Gray Merganser

Scaup

rt wing

1 Egg (HF or AF)

black lettering on yellow legs
black wings

Whistling Teal - 3

16 species Forest
2, 20 years

(65)

Verse using photometer gauge
needs

— 0.125 m AHD

~~NO. 2251~~

~~NO. 2251~~

at 0634 hrs on

Sat 7/2/98.

June, Cook, no wind

gate 4	89 cm	0636 0636
gate 7-8	89	
gate 11	85	0640 hrs

Blom on opposite side
is dark dark brown

(66)

Few broods hatched of gulls
No fish activity in or on
Some fish diving 10+ m
downstream of gables

Water is leaking out thru
gates (first beneath new
main gate)

plant material has prevented it
from closing properly.

No dead fish.

Winnings inlet mouth
at 0645 - 0700 hrs.
on Sat 7/2/58

Water flowing out thru
cut in sand bar.

(67)

Took four photos (prints)
to N° 33 well. (2 from
W side of cut, 1 from
top of mound on E side
1 from grassy knoll on E
side).

Cut is

Cut is 170 m long <sup>(following
the old bank)</sup>
(graced) and varying
2-4 m wide. Shallowest

cuts are only 2-4 cm deep
~~deepest~~ Most is 5-10
cm deep. deepest cuts

25-30 cm deep. appears

to be quite a deep in
electron from Inlet to

Ocean water surface "

(68)

Warrings Long Island

gauge reads

10.405 m AHD

(measured) at 0715 hrs

on Sat 7/2/98.

c 80 birds 0 - ¹⁵⁰ ~~100~~ m

mostly of gulls. Incl.

ducks, gulls, still;

3 pelicans at 150 m standing

Water is looking in past.

II Note that all the sills

(¹² of all gates) are above
the estuary water level

— by what appears to

be 2-3 cm. Need to

(69)

measure here.

No fish at jets
(at least on right side)

No dead fish.

No fish activity seen 0-100 m
upstream of jets.

Verse estuary plankton
sample needed (on Sun 8/2/98)

— 0.125 m BWD

at 0652 hrs

Fine, Cool, Light SE
wind.

gate 4	> depth	0653
" 7-8	133	
" 11	> depth	0657

(70)

Water leaving out - especially
under "mini" side.

It leaves on western side

is deep dull, reddish brown.

No swim, no change
signs.

V. few birds up to
first bend (on downstream)

No sign of fish actually upstream.
on downstream.

No dead fish.

Winnipeg Inlet mouth

at 0702 hrs on

Sun 8/2/98. Water

leaving out from cut
in scum.

Most of channel is only

a few cms deep

Wings eating ploodyches
at 0715 hrs on Sun
8/2/98. Gase nests
- 0.40 in MID (normal)
Very few birds in first 80
in system. Then gulls,
ducks and 2 pelicans.
Flock of 40+ pelicans seen
on spit at first bend &
later leaving in first.
No other activity or the
of ploodyches or further systems
to first bend.
No other fish

(72)

Winnings along flingels

at ~~0.115~~ 0.115 m on

on Sun 8/2/98.

Water looking in fish.

c 20 muller (20-30 cm)

nothing new (1-5 m)

flingels (downstream side)

Verse along flingels

James heads

0.115 m on

at 7.13 pm

on Sun 8/2/98.

Water is racing in
the open gate.

Estimated value of
captions extends

(73)

c40 m upstream from
gates.

↑
Fishes (2) eating
pilch, whiting (1)
and Blue Bream (1)
on downstream side of
the piers.

Vase eating clams in
large beds.

Col 2 in mid
(current) at 0635 hrs
on 9 Feb 38.

Five lily snails.

Re count. From 3:12 today.

(74)

July 7-8 225 0639 hrs

This is also the depth
of water at the
junction

Pale silt bed layer
was a high tide and
a lot of birds played
on it.

✿ Few birds

No bird activity yesterday
of geese

Some just sitting 5' or
downstream.

The scene.

Water column is a

grayish green color

at gates.

Clearer than previous

for summer.

No euglenoids at or near

the gates. Haven't been

for some days? (or

might that have been 1 or 2)

Homocaps eating plankton

at 0646 hrs on 9/2

c100 Silt peels in

the first 100 m of water

at gate. c400 pelicans

feeding on the left bank

at 100 m.

(76)

3 Albs + 1 Fresh Egg
on left bank (fishing)
Some ducks.

Many small mudpits
in air, sleeping just
over the water.

Whimsy story
geese heads.

— 0.41 in Air
(ground) at 0651 hrs
on Nov 9/2/98.

Water looking in
(fished at W end as
usual).

c 400 milt (20-30 cm)
seen 3 in region of
gate - very fast.

Homings Inlet mouth
at 0700 - 0706
hrs on Mon 9/2/98

Water flowing out
shore east in sand bar.
Flow is deeper than
previously samplings. Most
is 10+ cm deep.
At high tide last night
the width of flow was
c 15 m. Stage some
of the low is shallow.

★ ———
Took photos (pink)
NO. 34 + 35.

(78)

217 Small Bay

97 54 3161

One Plant

(seee)

by

Vase being polished
George reads

— 0.095 (measured)

at 0644 hrs on

Thurs 10/2/98

Water is flowing in
very gently through
soft gun jet.

gals 7-8 234 0648 hrs

in fact the net's depth would
be slightly over (1-3 cm)
short depth (chase was
sitting on the bottom
at 234 cm).

Fine. Light SSE wind.

Water very clear. No

a greyish green hue to it

Very few birds (less)

in the first haul.

No fish activity in haul.

(80)

Some fresh activity visible
5+ in downcomer.

No swim

No clipped signatures.

No dead fish

Left at 0653 hr. When
still flying in very gently.

Winnings eating plankton
at 0656 hrs.

Hundreds of gulls

cc 10 gulls,

Great 10 Great 5 Little 5

Wttn 17

Sec t - 4

chubs.

All feeding in pool on
E side of island with
Rensselaer sign.

Took photos to end of
36 exp 64 ASA film.
Feeding on stringy food
c. 1-2 cm.

This pool just (see
photo) end of from
main channel.

Water is trickling out (2 mm
deep and 5 cm wide) into
channel.

Water in pool is very
dark greyish brown (due
to all the fine sediment).

However, the singing
by peewee birds!

(82)

Worms eating phragmites
junge seeds
— 0.40 (measured)
at 0722 hr

on Thurs 10/2/98 -
Water looking in at a
fast ~~slow~~ rate.

No ~~fast~~ fast
milling near the gate.
No fish seen upstream
of gate.

Left at 0724 hr
c 200 gulls still in
area of drying ponds (frag)
— feeding.

Hummingbird
at 0731 hrs on 10/2
Water flowing strongly out
then cut in water.

Back at home today
flagged at 0735 hrs
when he stopped flowing
out is mini fly he
swings closed (it
was open at 0653 hrs
due to water flowing in then).
Note that low tide was
predicted to be at 0523
hrs this morning at a
height of ~ 0.21 m MSL.

(84)

Verse esting phantasm
genie weds
— 0.045 in AHD
(measured) at

0646 hrs on Wed

11/2/98.

Very slight turbidity in Hong's
green gate.

Done, no wind,
Very poor water quality
on downstream.

Water quite clear. Has
a greyish green
greenness.

gauge 7-8	> 228	0648 hrs
7		

surface depth would have
been 1-3 cm over this
(water) depth of 228 cm.

No fresh activity anywhere.
Some in ~ 10+ m downstream.

Winnipeg estuary phycocyanin
probe reads — 0.40 m
(maximum) at 0657 hrs
on Wed 11/2/98

(86)

Feeding flocks of
gulls not feeding
today.



Water looking in fresh.
No fish seen at the
gates (upstream side).

The fish activity ~~seen~~ seen
upstream for 100 + m.

Some of gulls on water
maybe 80-120 m
upstream.

Worms Eaten
mouth at 0718 hrs
on Wed 11/2/98

Water flowing out at moderate
pace from cut in
sand bar. Took

last 2 photos (prints) of
one roll of 36 exp. 100 ASA
from W bank, then
last 3 photos (also 0-2) with
36 exp. 100 ASA film from
E bank.

Still some bubbles
streaming up through water
column.

Thurs 12/2/98

Using intake pressure
gauge reads -

≈ 0.095 in H₂O

(rounded) at 0650 hrs.

(88)

Zone, Cont, V. dry. SE
Wind.

gate 7-8

231

0653 hr.

Water column green to
pale blue, greenish green.

Can hear a Brown Sapsucker calling.
(again)

No fast moving water of
the gate

Some - - - 5 ft or
downstream of the gate.

V. few birds upstream
(or downstream)

No duck fat
No oil seem on
clogged regions.

water leaking out at
0700 hrs.

Wings Enter mouth at
0205 hrs on TH 12/2/98
Water flowing out from
cut.

Wings eating pharynx
at 0711 on TH 12/2/98
juggle needs - 0040 on 10/10/98
(checked)

(90)

Water being in
Pond at Bayside became
extensive along shoreline
from 5-10 m up shore of
the gage

Water being south
of Little River mouth
(at end of ~~road~~ ^{vehicle} track
from Trout Dam)
at 0735 hrs on
Th 12/2/88.

Two power birds in
vic. basin of the
estuary this morning
then when I brought

GLW in a couple of
meters ago.

No or few pelicans
on iguana. Most birds
are ducks, white + jacks.

House using plumbline at
0647 hrs on Fri 13/2/88

gauge reads

0.095 m AHD

(checked)

Water leaking out.

gch 7.8	206	0650 hrs
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(92)

Water column system
is greyish green to brown.
V. few birds system or
down.

Some fish activity 5+ on
downstream. Some system.

No dead fish

No algal scum or algal
segments.

Wind light SW.

Hammings Bait made
at 0657 hr on Fri 12/2

Water flowing and then out
is smaller. Took 2

pts (no 3 & 4 (points)) from
H bank.

Wings fingerless gape
nests - 0.45 on 1975
(nests) at 0707 hrs
on 13/2/98.

No first mulling at yet
Water looking to fast -
Relatively little bird activity.

Wings Est. R55
on 13/2/98.

~~10/15~~ Banded 824 (5 with
bands ~~4~~ without)
Red Comm. L.
B. & St. L.
Shelburne

(94)

~~8~~ Eggs (3 Count)

4 Eggs + 1 Egg

39 WPH

20 Pelicans + 9

80 + 41 = 121 Pelicans

218 Seabirds

~~218~~ ~~218~~

28 Banded

190 Banded

30 Puffins

218 Seabirds

18 Red Shirts

2 Greenlets

This is shallow part is
not connected to

13 Seabirds

Green - 40 Green
12

695 birds

Finished
2:30pm