

# Jim Lane's Field Notebooks Index

(Revised Index of 11/5/2014)

| <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)        |

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| <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                 | <sup>08</sup><br>( <del>03</del> -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                | Jan 45 & (15-03-95 / 01-04-95)                      |
| JL_(1992 on)_13  | 13                | (02-04-95 / 07-04-95)                               |
| JL_(1992 on)_14  | 14                | (07-04-95 / 29-04-95)                               |

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

TO BE CONTINUED

(1)

(1)

Wed 1200 hrs - Pelicans Pt.

14 Stationary in centre of mud

1969 - 70

*[Signature]*  
11/5/2014

1225 hrs - several & collie run  
along whole of mud flats - distinct  
birds

|          |    |                                     |
|----------|----|-------------------------------------|
| 1300 hrs | 17 | Red necked Avocets                  |
|          | 41 | Grey Teal                           |
|          | 7  | <del>unidentified</del> Grey Plover |
|          | 24 | Bar tailed Grackles                 |
|          | 26 | Crested Tern                        |
|          | 1  | Casp Tern                           |



(1)

(1)

Wed 1200 hrs - Pelicans Pt.

14 Stationary in centre of mud flats. Moved off as I approached & travelled across the mud flats to the launching ramp West of P.P.

Harbour + Rivers Dpt working on the East bank of P.P., washing sand off bank into the water to create sandy beach.

- little disturbance of wildlife.

Have been working there 1 week & have 2 weeks to go.

1225 hrs - osprey & eagle run along whole of mud flats - distinct birds

1300 hrs

|    |                                     |
|----|-------------------------------------|
| 17 | Red necked Greets                   |
| 41 | Grey Tail                           |
| 7  | <del>unidentified</del> Grey Plover |
| 24 | Bar tailed Grackl                   |
| 26 | Crested Tern                        |
| 1  | Casp Tern                           |

(2)

The tide was low, mud flats  
completely exposed. Evening was busy  
Birds located at extremities of mud flats  
Mod Easterly breeze - 80-100 yards  
from LWH

1720 - 25 Bar Tailed Godwit

21 - Red Necked Grebe

7 - Grey Plover

6 - Crested Tern

34 - Grey Teal

9 - Red capped Dotters!



③

24 Cook

1 BD

5 W-faced Ho

4 GT

2 V. b. Handed St. l's

3 Red capped

③

24 Cool

1 BD

5 W-faced Hens

4 GT

2 VL 6-headed Sticks

3 Red capped



(4)

~~South Bank~~

Thms

upstream of Conservey  
Actual beach in natural state

(1)

-0930 hrs

2 Cusp

4 + 10 + 44 BD

4 Pelican on Rocks

~~40 Br~~

4 GT

1 White faced Heron

All on Rocks South of Blue Water

on Both Sides

Indicated water 20 yards

Direction of the River towards

proceeds out

(2)

~~2 Pelicans~~

12 Cusp

2 Pelicans

60

not counted

+3-

1

White headed Stalk

+2

11

Cuckoo Sp

1

unidentified

(4)

~~South Bank~~

Thms

upstream of Conservey  
Actual beach in natural state

(1)

-0930 hrs

2 Cusp

4 + 10 + 44 BD

4 Pelica on Rocks

~~4000~~

4 GT

1 White faced Heron

All on Rocks South of Gas Works

on Both Sides

Industrial waste 20 yards

Damascus of the Nelson Bridge

potholes out

(2)

~~Pelicans~~

12 Cusp 2 Pelican

60 Red Capped + 3

1 White headed St. 10 + 2

11 Curlew Sp

1 unidentified



⑥

④ - on rocks

13 SD

5 GT

2 Black C

2 Pied S

From 4 on rocks there is mud  
- and beach - grassed to edge  
⇒ no birds - litter present

From Ramping ⑤ onwards

there is much wreckage plus  
reeds & mud - no birds (large edge  
very long)

however they reach down to edge  
where they don't it is thick reeds  
& no mud

Barbed wire & reeds along bank of bog pool  
there are burnet, leaving 6 ft width  
of reeds in natural state

Still no muddy banks

- intermittent reed & mud strips no birds



⑥

④ - on rock

13 ASD

5 QT

2 Black C

2 Red C

From 4 onwards there is rock  
- and beach - jettied to edge  
⇒ no birds - litter present

From Ramp ⑤ onwards

there is much wreckage plus  
rocks & mud - no birds (large debris  
anyway)

horses may reach down to edge  
where they don't it is thick rocks  
& no mud

Barriers & rocks along bank of hospital  
these are burnt, leaving 6 ft width  
of rocks in natural state

Still no muddy banks

- intermittent rock & mud strips no birds

(8)

thin seed up to Hardy Park

(6) 4 PC + 1 coot + 1 WFA  
yrs still may continue

~~4~~ 5 BO 1 Coop Tr  
5 WFA

numerous star gulls (100)

Mud Flat caused by water from  
Drain - water clean

birds on flat

field land probably owned

runs into flat

- not a feeding ground

(7)

13 WFA ✓

2 Pelican ✓

1 coot

6 Duck 2 Grey Teal

50

16

1 Wood Duck

1 White Necked Swan + 1 *Lagotis alba*



(10)

- reeds + narrow mud strip

(8)

3 + 5 WFH

10 cook

12 Communit,

4 BD

(9)

5 BD 4 GT 16 Cor

14  
19

3 Pelican

+ 1 White-headed Duck water

no in location (2)

at the end

where they land bridge is all mud flat

- on the flat over 8 WFH

on the way back saw 15  
14 WFH

(10)

3 Camp

74 + 3 BD

numerous Sca. 16

14 + 1 WFH

1 SNI



(12)

3 Pelicans

(11)

37 Black Duck

10 W F H

4 White Headed  
~~Bronzed~~ Stilt

These flats are only exposed - is birds  
here & there - much weed - not just  
mud as in the others

Birds feeding actively, many

Fish present

1 Egretta alba (6-10 10-15  
yellow back)

(NB 1st of these had Black beak)?

1 White Neck ed Heron

1500 hrs

(12)

41 BD

5 W Headed  
~~ST~~ STILT ✓

50 Coot ✓

21 RN Avocet ✓

4 W F H ✓

3 Long Terns

7 Pelicans ✓

This area has marsh behind it &

wide mud flat along the edge

Water is shallow right out to

the bay & weed <sup>beneath</sup> grows where it

approaches surface

Birds sit

out here but also on flats

(14)

Monday

see West. Aust. Aquatic Comcil,  
for Skiving Areas

Head Office



(15)

Dawn

Report

Monday



(16)

Fwd 08.50 - left D.O  
9.30 leaving Bridge

(A) - 9 BD

Area surrounded by reeds & rushes  
& bush - 2 ft Deep

& wide sandy edges  
Not many birds, but quite plenty  
in the southern most corner

(B) Lots & extensive shallow water

52 Scaubs

3 PC

3 BD

1 unidentified wader  
(small)

10 yds. <sup>wide</sup> of reeds at H&M

(20)

Sun - 09/5

|                                                                 |                  |                 |
|-----------------------------------------------------------------|------------------|-----------------|
| 5 <sup>Bar tailed</sup> <del>Set</del> <sup>Godwit</sup> 21, GT | 3 <del>Plu</del> | 2 RNA           |
| $\frac{3}{8}$                                                   | $\frac{3}{6}$    | $\frac{21}{23}$ |
| 2                                                               |                  |                 |
| $\frac{3}{29}$                                                  |                  |                 |

On PC

> 33 Crest + 2 Cops

2 ~~Plu~~ GT

50 Little Stint

50 PC 4 B. Cormorant

Many Songbirds 24 Great Knot

The point ~~top~~ <sup>of</sup> banks were well exposed.

Birds were fairly except for Terns, Scaups  
& Seagulls. West bank on East  
exposure of bank was exposed  
& ducks feeding in it.

Red is strong Erosion

1005 hrs - woman 2 <sup>species</sup>  
one chased half birds of PT, they soon settled  
back again

1025 - Horrobt moves 1/2 way along  
the mud flat + stops - 3 days



(22)

man up and down the left of the water flats  
chasing birds. 1035, 1 passenger walks  
along edge of flats - water - comes away  
all the birds on the left: by boat  
come back

10.50 Boy starts walking along water/flats  
edge - seeing birds 1115 - <sup>across the lake</sup> exception of  
1105

Boat moves along water's edge

another 50 yards. 15 specimens follow

it across out to the water flats

- No birds for  $\frac{2}{3}$  of end of flats

1110 12 Boatsmen go down river on  
flats will be behind it

1115 move back to starting area

along water edge, specimens along  
beach + water flats - to see  
all birds away

(24)

6 BTG 3 R. Armed 7 G. Fuel

1315 - Hovercraft one up  $\frac{2}{3}$  and  
back again, scanning way the birds  
in that area

1410 - 52615

1420 - men & 2 dogs moving along plots  
and they were short in way in  
back



~~6 BTG } RANmed → G. Tact~~

1315 - Hovercraft are up  $\frac{2}{3}$  and  
back again, scanning away the birds  
in the air.

1410 - 52615

1420 - man & 2 dogs in my clearing plots  
and they went about 1/2 way to the  
back

(26)

Swan River - Harrison Is. → Garnett Rd.

- Ltho: 1 D 20/NE

- I - 63 Red capped Dotterel  
21 Coots  
12 Caspian Terns  
11 Curlew Sandpipers  
5 White-faced Heron  
4 Grey Teal  
3 White Headed Stilts  
1 Black Duck  
1 unidentified wader  
2 Pelicans

These were on mud flats with a backing  
about 30 yards wide of undisturbed mud.



(28)

II.

130 coot

51 Black Duck

21 Red-necked Loons

7 Pelicans

5 White-headed Stilt

4 White-faced Heron

3 Caspian Terns

Extensive marsh backing undisturbed.  
Shallow water extends into whole of  
bay, much plant growth. Birds  
on exposed banks, around edge  
& in timber along the edge.

Island Reserve

(30)

|            |    |                                     |
|------------|----|-------------------------------------|
| <u>III</u> | 64 | Coot                                |
|            | 26 | Black Duck                          |
|            | 24 | White-faced Heron                   |
|            | 12 | Cormorant                           |
|            | 2  | Grey Seal                           |
|            | 2  | Pelicans                            |
|            | 1  | Wood Duck                           |
|            | 1  | White-necked Heron                  |
|            | 1  | White Egret ( <u>Egretta alba</u> ) |

The Bay may be difficult to preserve, but the mud & marsh mud slope from III to IV contains much bird-life & could be reserved.



(32)

IV

- 19 Black Duck
- 16 Coot
- 4 Grey Seal
- 3 Pelicans
- 1 Sand-necked Tit
- 1 unidentified water.

This area should not be dredged  
then to make an island as has  
been done at the end of Queen St  
Breakcliffe since this destroys the  
mud flats on which the birds collect  
and feed.

(34)

V

114 Black Duck  
25 White-faced  
4 White-headed Stilt  
3 Pelicans  
3 Cinnamon Terns  
1 Sooty-necked Ibis  
1 White-necked Heron  
1 White Egret

This is a large area of shallow water  
+ a few exposed banks. There is  
much weed + many mudflat. Birds  
feeding extensively. Feeds behind.

The bank opposite shore ~~is~~ <sup>was</sup> ~~very~~  
overgrown with weeds + although no  
birds were seen it would be ideal  
for them.



(36)

Lanning River

- Muddy

1/12/69

G

~~13~~ BD

~~2~~ Swms

~~2~~ WH Still

~~4~~ RN Duck

~~2~~ WFH

~~2~~ Pelican

~~54~~ G Teal

~~4~~ RN AV

~~2 + 6 + 12~~ RN AV

~~2~~ GP

~~1~~ WFH

~~1~~ B. T. Cuck.

~~36~~ BD

~~15~~ G Teal

~~70~~ RN AV

49 BDucks

2 Swms

2 WH Still

98 R.n. Duck

3 W.F. Heron

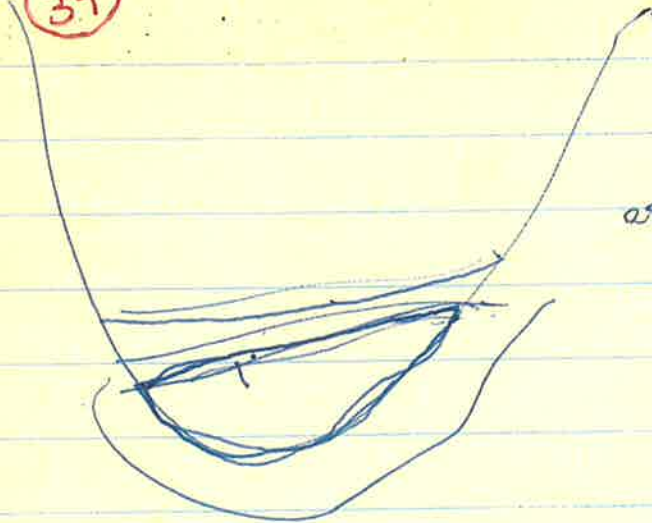
2 Pelican

69 G. Teal

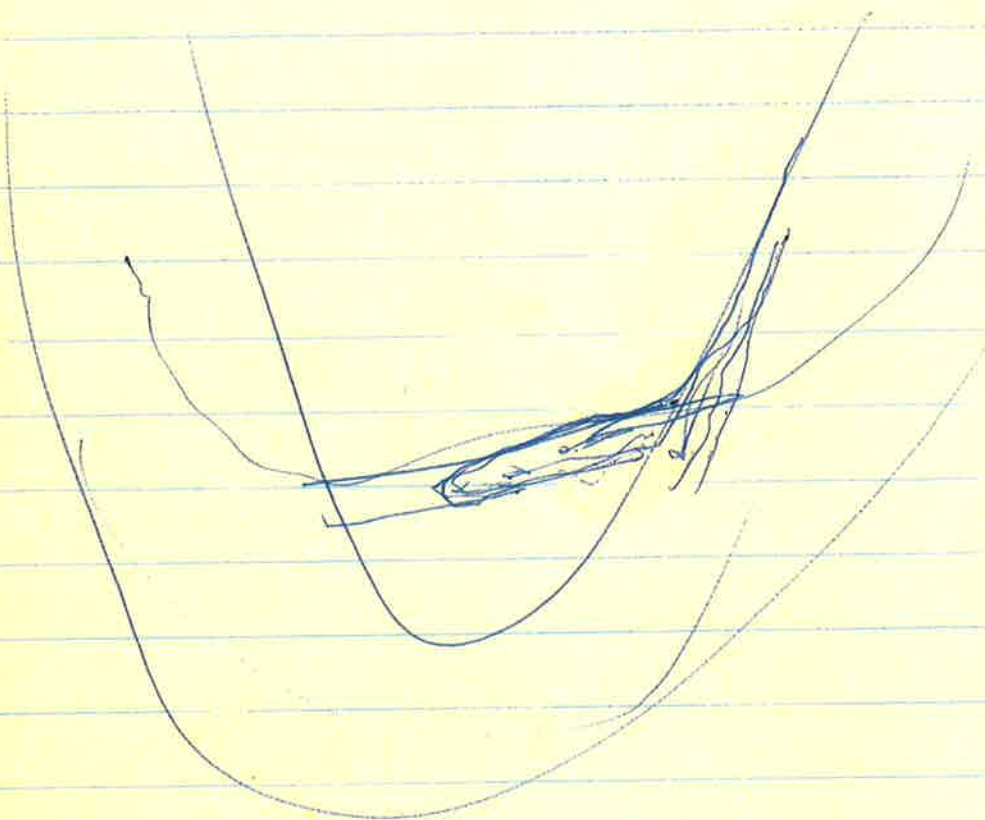
2 G. Plover

1 B. T. Cuck.

37



058 022  
01  
22





2/12/69 (38) - Pelican Pt.

1430 - Med Sanderling, tide low

3 Gr Teal 8 RR Av 2 GP 1 BT Good.

18

4

2

19

7

3

1 WFH

1  
20

7

2 R Capped

sheep + gulls

16 Crested T.

2  
18

- out fishermen right on the pt., in the weed amongst which the ducks feed.

- suggest feeding closed on point

Wed 1320

Pelican Pt

22 Doff

12 Av.

12 GP

6 R Teal

5

2

2

16

2  
29

3  
19

1  
15

22

2 Crested T.

2 BT Good.

5  
7

Hot, light easterly, 3/3 mudflats exposed birds not feeding, apparently because food not available, ducks on pt. were feeding



(40)

- Recent

Ernst - Teoman in Birds

Ibis

Witherby's - <sup>Handbooks</sup> Birds of Britain  
vol IV

Reed Osmian before shooting

Osmian R.E. 1968

Observation on the feeding of the  
Oystercatchers in captivity

Brit. Birds 51 : 139-149

" 1957

The Winter Feeding of the Oystercatcher  
on the Lizard Lark

J.A.E. 26 : 441-469

John Bywater

CSIRO

Frid on Monday,



(42)

(42)

210181

Sm Butcher

MRPA

Skut 16 BT, 13 D - growing  
16 B, 13 C

(44)

14 00

light SW

5/12/62

Hot.

$$\begin{array}{r} 7 \\ 5 \\ \hline 12 \end{array}$$
 WA Skiff  
~~Dead~~

1 Avocet

17

11

$$\begin{array}{r} 2 \\ \hline 31 \end{array}$$

21 Litter Skiff

2

5

1

2 Sparrows - on Beech

15

5/20

$$\begin{array}{r} 1 \\ \hline 50 \end{array}$$
 1 Duck

3 R. C. D.

2 Duck

14 Bitter Trunked Goodwin?

19 Other Waders (in d.b. field)

25 Grey Teal

$$\begin{array}{r} 25 \\ \hline 50 \end{array}$$

1 Grey Plover

$$\begin{array}{r} 2 \\ \hline 3 \end{array}$$

6 G. P. Corn

1 Pelican

11 P. Corn

$$\begin{array}{r} 1 \\ \hline 2 \end{array} \rightarrow$$

2 L. Blue "

$$\begin{array}{r} 11 \\ \hline 13 \end{array}$$
 Pelicans on  
 NW of Pt. Vigen  
 + waders

3,000  
 waders  
 (concentrated)

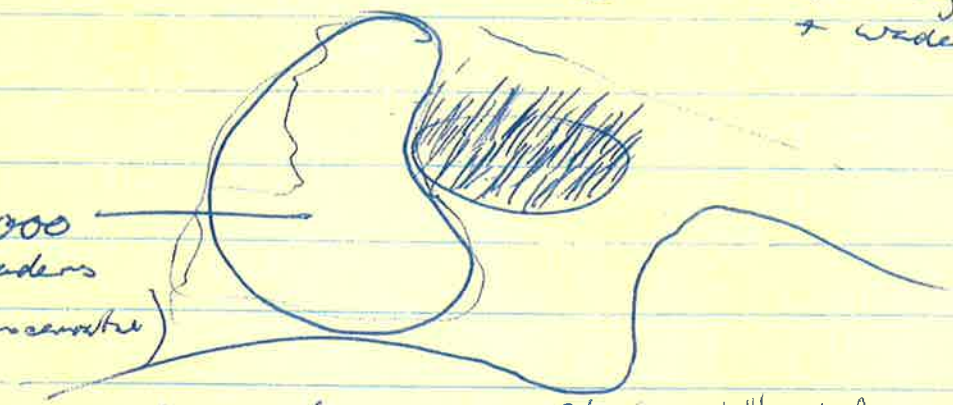
curlew sandpiper

G. Plover, Litter Skiff

BT Good.

Re. Doff.

Shap. Seabird Sp





(44)

14 00

light SW

Hot.

5/12/62

~~7~~ ~~WA Skiff~~  
~~5~~ ~~Dead~~  
~~12~~

1 Avocet

17

11

~~2~~  
~~31~~

21 Little Skiff

2

5

1

2 Sparrows - on Beech

15

5/20

~~1~~ ~~Br. Duck~~

3 Capp. D.

2 Br. Duck

18 Br. Trunked Goodwin?

19 Other Waders (including field)

25 Grey Teal

25

50

1 Grey Plover

~~2~~  
~~3~~

6 G. P. Corn

1 Pelican

11 L. P. Corn

2 L. Blue "

~~1~~  
~~2~~

11 pelicans on  
~~13~~ bar of Pt. Vigen  
 + waders

3,000 waders

(concentrated)

curlew sandpiper, G. Plover, Little Skiff

BT Good.

R. D. D. H.

Sharp-shinned Sp

(46)

All flats covered with water  
except bars at ~~extremities~~ which  
formed islands + where the 3,000  
were. Swans congregated at edge  
of flats - farbird fairly.  
pelicans also. Besides other than  
the 35,000 occurred along the  
15 ft wide strip of mud and sand  
edge - none on the submerged  
flats

200 R Teal on Edge  
up to Roberts St



(46)

All flats covered with water  
except bars at extremities which  
formed islands - & where the 3,000  
were. Swans congregated at edge  
of flats - for bird feeding.  
pelicans also. Others other than  
the 3,000 occurred along the  
15 ft wide strip of mud around  
edge - none on the submerged  
flats

200 R. Teal on Edge  
up to Roberts St

(48)

Freevay 1500

42 ~~Willie Shit~~

Few Rapprol

30 ~~Culer Sp.~~

~~80~~

280

80 ~~GTZ~~

300 ~~Vadara~~

~~Brashy~~

~~Willie Shit~~

50

~~+ culer sp.~~

22

1 ~~Rm Av~~

2 ~~WH Shit~~

15:30

PP

55 ~~GT~~

11 ~~WH Shit~~

3 ~~Gray Plover~~

52 ~~Culer~~

13 ~~Rel.~~

6 ~~Crested~~

1 ~~Crypt~~

100 ~~RPH~~

2 ~~RM~~

~~Crypt~~



(48)

Freevay 1500

42 Miller Shit

Few Rappier

30 Culex sp.

~~80~~

280

80 GTZ

300 Vadara

Braily

little shit

50

+ culex sp.

22

1 Rm Av

2 WH Shit

15:30

PP

55 ~~GT~~

11 WH Shit

2 Gray Plover

52 Culex

13 Pol.

0 Crested

1 Eggt

100 RPH

2 Rm

Eggt

(50)

v. light SE breeze, fine  
2015 recognized calls of  
R. R. Woodcock, G. Plover,  
Grey Teal

Flats still covered - birds along  
shore edges - very wary of  
approach. Fly off ~~with~~ <sup>with</sup> ~~little~~  
when you are within 40 yds of  
them.

- No prawning seen, but  
it should be resumed just in  
case.

\$ 2100 - prawns at the  
bank of the creek - Pt Water  
& also in Alfred Cove

The latter caught 6 prawns  
in one haul. - One person  
said he has prawned up &  
along the ground flats



(50)

v. light SE breeze, fine  
2015 recognized calls of  
RnR. Warbler, Gr. Plover,  
Grey Teal

Flts still covered - birds along  
shore edges - very wary of  
approachers. Fly off ~~within~~ ~~little~~  
when you are within 40 yds of  
them.

- No prawning system, but  
it should be resumed just in  
case.

\$ 2100 - prawns at the  
fork of the road - Pt Water  
& also in Alfred Cove

The better caught 6 prawns  
in one haul. - One person  
said he has prawned up &  
along the ground flats

(52)

Wed 10/12/62 1550

c 20 head of Harwood  
on ↑ 2990 (the point of it)

|      |                                                        |
|------|--------------------------------------------------------|
| 00.0 | Honestead                                              |
| 01.0 | Reserve Notice on Left side                            |
| 01.4 | Cross Road (Track)                                     |
| 2.2  | Rt. 6 left bend.                                       |
| 2.9  | Slight Turn                                            |
| 3.9  | Road to Rt. 2 Farmstead                                |
| 5.9  | Cross Road x Drain<br>Bitumen Begin. Go Straight Ahead |
| 6.7  | Bend.                                                  |
| 6.9  | T Junction, turn Right                                 |
| 7.8  | Drain                                                  |
| 8.1  | "                                                      |
| 8.3  | Bend, stay on Bitumen.                                 |
| 12.7 | Left along A' way                                      |



(54)

## Stan Reading

115 GT

~~300~~ 50 Little St

20 R capped

70 Cuckoo Sp.

86 Red necked Av.

1 Grey plover

1 Ben Franklin Crow

(56)

little shot 1 + 2 shot at 10:15

Feeding tide out

light s.v breeze



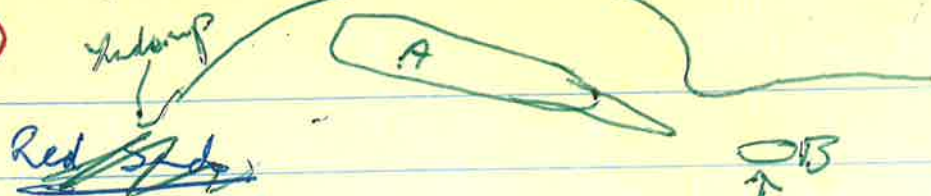
(56)

little shot 1 + 2 shot at 10:25

Feeding tide out

light S.V. breeze

(58)



Red Spots

B Island of duck weed a long sample  
over - 70 long, 45 wide  
(N → S)

by

A - 500 yds long  
200 yd wide

C - has knotted club-rush - mainly  
cypripedium  
sample around edges  
plus samples taken

The shoreline from Mudbank to the end drain  
consists of wide flats + sample islands.  
during the day. is from about 09:30 →  
1530 there are Red capped Scaup +  
little bit feeding along the edge -  
+ small nos. There were  
not only a few of these on island  
A in the morning. In the afternoon



(58)

Handmap

A

~~Red 5/2/2~~

OB

B Island of duck weed a long sump  
oval - 70 long, 45 wide  
(N→S)

A

A - 500 yds long  
200 yd wide

C - has knotted club. rock - mainly  
capobrotas  
Sump around edges  
plus samples taken

The shoreline from Handmap to the end drain  
consists of wide flats + sump islands.  
during the day. is from about 09.30 →  
1530 there are Red capped Boobies +  
little dirt feeding along the edge -  
+ small nos. There were  
only a few of these on island  
A in the morning. In the afternoon

(60)

(1530), flocks of Ring-billed sp  
were found resting on island A, along  
with large groups of Ring-billed Gulls.  
+ Little Auk.

In Robert Bay <sup>(5/100)</sup> there were  
no birds at 1500 hrs.

At 1845, 3 swans began moving towards  
the shore <sup>then flew off</sup>. Other birds seen along edge  
were 17 white-headed Gulls, 7  
Little Auk + a few Red Gulls, otherwise  
nothing.

There were 8 swans about 100 yds  
out from edge of flats.

As dusk progressed the WHS fed  
along the very edge of the mud flats.

At 1945 hrs a large group of  
murrelets, ducks, gulls + terns  
(mainly Gulls) were just offshore  
on the Reserve. A group of  
about 30 Gulls were  
concentrated separately at the western  
edge.



(61)

37 VHS

20 GT

2 GS

40 GP

2, 300

Rec D

1st step

1400

40 BTC

6 Corp T

15 GT

3 VHS

< 20 LS

2nd < 20 GT

1 GP

3rd - not steps

(61)

317 UHS

20 GT

2 GS

40 GP

2,300 - see Cpt 1 S

Rec D

1st step

1400

40 BTC

6 Camp T

15 GT

3 UHS

c 20 LS

2nd

c 20 GT

1 GP

3rd - not step



(62)

For the last half hour, was  
have been taking of from  
Pul Island & heading south.  
Perhaps to Lake Michigan  
for the night. It  
may just be due to disturbance  
by people crawling.

(64)

PP

163

12/1/20

100 C. Sp

35 R. Av.

26 WHS

~~100~~ 7 BTG

These are sitting & standing on the mud point in the lake, feeding themselves actively

80 R. Nav. offshore feeding

in just over reg depth of water

5 <sup>Gr Teal</sup> ~~thru~~ feeding at Pt.

about 20 Crested T on point

late in, flats covered

Med NW Breeze. fine

1935

about 350 L.S.

all birds in lake

L.S. feeding in lake

all birds in lake

river



(64)

PP 163 12/1/20

100 C. Sp

35 Rn Av.

26 WHS

~~100~~ 7 BTG

these are sitting & standing on the  
mud point in the lake & freezing  
themselves solidly

60 Rn Av. offshore feeding

is just over reg depth of water

5 <sup>Cr Test</sup> ~~thick~~ feeding at Pt.

about 20 Crested T on point

late in, flocks covered

Mid NW Breeze. fine

1938 work and water

of water - gain 250 L.S.  
all feeding in lake

L.S. feeding & preening

when have experience with

river

is just over height of water  
for real  
5' ~~water~~ nearly at sea  
about 20 crested on part  
note in, plate covered  
Mid NW Bays. fine

1938 about the same  
4 miles from sea  
all heavy & low  
LS. heavy plankton  
white like copper ore  
near



(66)

~~80 LS~~

~~100 CSP~~

~~26 GP~~

~~2 BTG~~

~~4 CSP~~

~~4 Crested T on island~~

~~7 pelicans~~

~~100 Scaup~~

~~Lesser Frill, Lesser B. + B. L.~~

~~2 LHS~~

~~2 Br. Av~~

fading in wading dept

LS also on island but

50 + 30 LS

2 Red winged

11 LHS

6 GP

7 Br. Av

30 + 100 GTail.

1 Br.

1 BTG

(68)

11 10

1st Staff

~~10 15~~ CSP

~~16~~ DTCT

~~20 50~~ LS

1 GP

c 100 GT

P General

Seguila

6 Rn Av

60 GT

2 GP



(41)

53166

53168

Mon 15th

Offici

→

P & Me

Full Tank

Wed 17th

Selbies - 4.0 miles

Th 18th

11 miles

Fri 19th

petrol  
53296

29 miles

Sa 20th

12 miles

Sun

11.6

Mon

27 miles

Mon 12th Jan - 36.4 miles

Thurs

44.5

Wed

43.5

Thurs

44.8

(41)

53166

53168

Mon 15th

Oliver

P+Me

Full Tank

Wed 17th

Selbies - 4.0 miles

Th 18th

11 miles

Fri 19th

petrol  
53296

29 miles

Sat 20th

12 miles

Sun

11.6

Mon

27 miles

Mon 13th Jan - 36.4 miles

Tue

24.5

Wed

44.5

Thurs

44.8



(83)

\* Dog, 1 Pedestal

Dog digging holes perhaps after  
eggs of R.C.D.

- much evidence of further  
diggings perhaps also by dogs -  
search of eggs of R.C.D.

Mon - Home

→ Museum

53004

Univ → Office

(17)

Tue

53034

Office

+

53036

MPE

Fuller

→ University

→ Office

(5)

Sat 13th

- 53086

(85)

Strong SW breeze - all of  
the ~~W~~ High Flats covered  
The little shil, GP  
& BTG - were only seen  
flying back and forth <sup>right</sup> & forward  
Seas star feeding <sup>right</sup> across  
the flats. People wading  
along the beach disturbed  
the birds.

1630

P Pt.

8 WMS

2 GP

150 RNA

4 PELICANS

GP + 1

7 GT

30 BTG

90 CS ~~Tipon.~~ + 110

20 ~~GT~~ 1 CASPIAN T.

20 SHAGS

15 L. STINT



(87)

Sun

~~SAT~~

HOME

52968.

SAT 52994

→ Wm

1st

1515 hrs

28 Sun

(26)

43 Little S.

150 G Teal

7+8 Marston Duck

3 Gray P.

3 Relicins

10 of the Swans & all the MD  
on that little point at 1st Checkpoint  
Swans appear to be in King

2 kids & dog described them  
but they were back. — This  
is the only place I have seen  
the Swans on the shore.

4 Red Capped.

1 BTCT

80 Little SX-T

1 <sup>marked</sup> R. C. P. A.

1 Coop. T.

14 GP

115 RNA.

1+ C15 Relicins  
225 VHSULT

} on Pt Wagon  
much part



(89)

1st Mon Home - start - 52644

→ Harbor + lights → H. Office → Office 52666  
→ survey of Conning R. → Office 52694 → Alfred Cove  
52714 → 52720 University → Home  
Office → Home (76)

Tue Home → Uni → Office → Uni 52730  
→ Police Pt → Office (17)

Wed Office → Full tank 67  
52761 → P.M.E. → Uni → Alfred Cove → P.P.  
→ Alfred Cove → Office 52791 → Home (30)

Thurs 52812  
Office → Bayan → Office  
→ Lands Dept → Office 52850 → Home (38)

Frid Home → Office → MRPA + Lands Dept 52870  
deduct 5 → Office → P.M.E. 52885 → Alfred Cove  
52909 → P.P. → Home Full tank  
(39)