

**JAKL's April 7<sup>th</sup> – April 29<sup>th</sup> 1995 Banded Stilt research field notes.**

These notes have been extracted (photocopied) from his Field Notebook No 14.

90

pass for security

No 14



# NOTE BOOK

No. 561

J. Lane (09) 4055-100



7 April 95 → 29 Apr 95

h  
lms  
b.  
vmm



Lake Balland Contd

Fri 7 April 95 contd

taking photos of Best breeding  
island NO 2 (Lake Balland) from  
W end of Camp Island at 6.46 am  
- waiting for gaps in cloud.

Temp last night <sup>(8/4)</sup> was  $19.3^{\circ}\text{C}$   
at 8.10 pm.

Temp at 0904 (on 7/4) is  
 $15.9^{\circ}\text{C}$ . Overcast, moderate  
E still blowing.

0920 Geese 210 (?) flew  
past @ 500' in E direction

Lake Bellair Contd7/4/95 Contd

- 1 parent closely associated, protective - 2nd bird loosely associated - independent - not protective
- broods nearly 3 some 4.
- nearly always a shaggle chick legs collaring frequently
- parent (protective) waits for shaggle to catch up
- brood protective in water (staring) if necessary.

Adulter - seen drinking again

- Raptor ("sparrowhawk") seen near wharf & flew over approx 11:20 am (photo - 500m)

Lake Bellair ContdFri 7/4/95 ContdEvents to Do at Bellair

## 1. Take water samples

- salinity - top + bottom
- Total P - top - unskinned
- pH - top

Do at standard locations

and next to <sup>any</sup> bird shot (safety & Total P, top only)2. ~~Download~~ depth data if convenient3. Survey Emmeron Lake (5pm → 6pm) each day for presence of hatched young. Monitor ~~depth~~ contents of time permits.4. ~~Veg~~ samples.



## Lake Ballard Contd

Fri 7/4/95 Contd

5. Shoot <sup>5</sup> adults feeding with chicks and ~~their~~ chicks and keep oesophageal contents. Measure bill length of each (numbered) chick (for ageing). Sex the single ~~adult~~ adult ~~the~~ most closely associated with the chicks.

6. Stockpile gear - don't leave boxes or leg flags - take to Perth

7. Take water samples (Set, Total P, top only) next to shot boxes and <sup>(top only)</sup> do standard overhedge sweeps at each shooting site.

8. Do standard overhedge sweeps (same mesh size) at standard location

## Lake Ballard Contd

Fri 7/4/95 Contd

(Camp Island).

9. Look along fence if ducks (+ chicks?) drink (re sediments)

10. Record sizes of broods and ~~areoles~~ ~~vegetation~~ ~~trunk~~ ~~trunk~~.

11. Better to have dash of shade on a few than a little shade over a lot of issues.

12. ~~Ducks~~

Yell see

Veg.

predators

Lake Ballard Contd

Fri 7/4/95 Contd

Radio Traffic Fri 7/4

- Out — Grant ok for tomorrow  
 — planning next trip + boundary =  
 3 weeks  
 — need 1/2 jerry can fuel.

\* Tom Short re GWN  
 Grant P.

Me — take fuel  
 of water jerry can  
 for Grant to refill.

Lake Ballard Contd

Fri 7/4/95 Contd

ME DO DO FRI 7/4

1. Take egg clutches (need ~~box~~ cartons  
in tissue paper)
2. Fuel + water jerry cans to Hal
3. Pack my gear
4. Deylla → 2nd colony
5. 2nd colony plates etc
6. 1st colony " "
7. Eggs!
8. Pick up gear
9. Cross over Lake Silvery
10. → Hal's
11. Thank Hal crew. Hospitality Inn.



8

Laboe Belland Contd

Fri 7/4/95 Contd

Me to do Sat 8/4

1. Where is hammer put?
2. shoes
3. green bin
4. briefcase Woodville
5. other? ~
6. Louse Aylett - house
7. from sled?
8. nail?
9. skull at Vels?
10. presents for kids.

401 2823

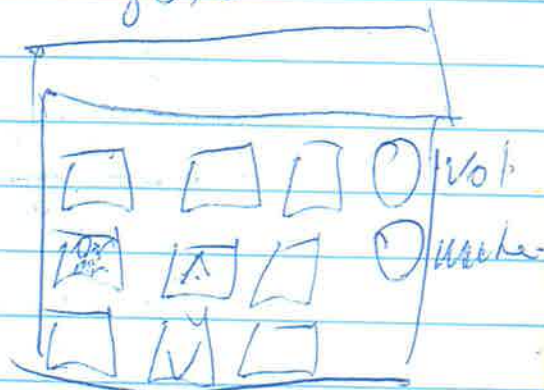
At

Kalgoorlie  
Airport

Start Sat 8/4/95 9

5270

8070

~~5270~~

Change tap on whip  
to 8070 if reception  
is poor.

At Woodvale Office

Sat 8/4/95 Contd

David Bell

---

Can be frozen

→ liquid very liquid  
+ break eggs

---

If not dead + july off  
gaster.

---

- Andrew Horne

Bob Fitzgerald - Saturday  
- 4 days/week.

---

Post

David Cook

Now John Westland

Curtis Univ.

\$389 1918 10 copies Netherlands!

Each run is \$60 → \$100

a story of 10-12 specimens

Woodvale Office Contd

Sat 8/4/95 Contd<sup>4</sup>

Sacrifice Plan.

---

Give Phone No + Name  
to parents - say Sunday  
- to arrange time  
to go with up Monday.

---

at Curtin

351 7375

or 389 1918.

Store at 4°C

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Sat 8/4/95 contd

Outside Churchill  
Photographic Laboratory

Sat 8/4/95 contd

- ① = < 2/4  
 ② = 2/4 or <  
 ③ = 2/4 end  
 ④ =  $\geq$  2/4  
 ⑤ = end 3/4  
 ⑥ = end 4/4 new camera  
 ⑦ = end 5/4 " "  
 ⑧ = end 5/4 old "  
 ⑨ = end 7/4 old "  
 ⑩ = early 7/4 new "  
 ⑪ = end 7/4  
 ⑫ = end 7/4

1 → 10 are 100 ASA  
 11 → 12 are 200 ASA

Film Numbers

notation on list  
 of film containers

Sat 8/4/95 Cont'd

At Folk's Place  
7A Burlingame Rd

Sat 8/4/95 Cont'd

| <u>Nest #</u> | <u>Egg</u> | <u>Length</u> | <u>Breadth</u> |
|---------------|------------|---------------|----------------|
| 1             | 1.1        | 57.0          | 40.4           |
|               | 1.2        | 53.7          | 38.9           |
|               | 1.3        | 56.5          | 40.2           |
| 2             | 2.1        | 56.9          | 38.5           |
|               | 2.2        | 53.5          | 38.0           |
|               | 2.3        | 56.6          | 38.2           |
|               | 2.4        | 54.6          | 38.6           |
| 3             | 3.1        | 57.5          | 37.1           |
|               | 3.2        | 56.3          | 37.8           |
|               | 3.3        | 58.5          | 39.5           |
| 4             | 4.1        | 51.3          | 37.0           |
|               | 4.2        | 55.1          | 37.5           |
|               | 4.3        | 51.4          | 36.8           |
|               | 4.4        | 49.6          | 36.8           |
|               | 4.5        | 55.3          | 37.5           |

15 eggs



Sat 8/4/95 cont'd

| Nest | Egg | Length | Breadth |
|------|-----|--------|---------|
| 5    | 5.1 | 55.7   | 37.5    |
|      | 5.2 | 57.0   | 39.4    |
|      | 5.3 | 52.7   | 37.4    |
|      | 5.4 | 52.9   | 40.2    |
| 6    | 6.1 | 57.1   | 39.3    |
|      | 6.2 | 53.4   | 37.6    |
|      | 6.3 | 54.0   | 36.5    |
| 7    | 7.1 | 56.4   | 39.2    |
|      | 7.2 | 54.2   | 38.2    |
|      | 7.3 | 54.6   | 38.3    |
|      | 7.4 | 54.9   | 38.2    |
|      | 7.5 | 53.5   | 36.8    |
| 8    | 8.1 | 54.6   | 37.6    |
|      | 8.2 | 54.8   | 38.3    |
|      | 8.3 | 54.9   | 37.4    |
|      | 8.4 | 54.8   | 36.8    |
|      | 8.5 | 51.7   | 37.3    |

17 eggs

Sat 8/4/95 cont'd

| Nest | Egg | Length | Breadth |
|------|-----|--------|---------|
| 9    | 9.1 | 55.5   | 37.4    |
|      | 9.2 | 56.4   | 38.7    |
|      | 9.3 | 54.8   | 39.1    |

| egg | Length | Breadth |
|-----|--------|---------|
| 6.4 | 54.9   | 38.4    |

Plot 6

1.1 1.2 1.3

O O O

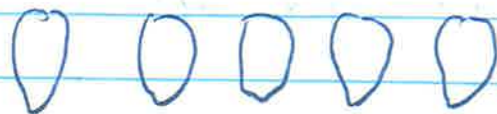
O O O O

2.1 2.2 2.3 2.4

Sat 8/4/95 Contd

Plate 7

3.1 3.2 3.3



4.1 4.2 4.3 4.4 4.5

Plate 8

5.1 5.2 5.3 5.4



6.1 6.2 6.3 6.4

Plate 9

7.1 7.2 7.3 7.4 7.5



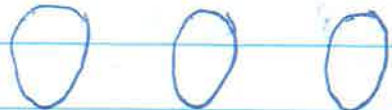
8.1 8.2 8.3 8.4 8.5



Sat 8/4/95 Contd

Plate 10

9.1 9.2 9.3





Sat 8/4/95 Contd

Sat 8 April 95

Depth gauge at Island Pt  
reads + 0.37 m AHD  
at 4.32 pm.

Ring Pet-Milton  
on

035894901

with following message:

- were trying to place cell
  - could not switch fac
- off ~~from~~ now till 2 pm

Start 10/4/95

Mon 10 April 95

1100 hrs — photo of 50-60  
Skulchick flew in to about  
2 m small (10 m diam) probably  
fresh, pond in low bare  
mud (dry) area between old  
Langley Stork house site and  
Vase Est. (to the east.)

1115 Photos ? → 19 (on ASA) of  
Vase Est. floodgates

Vase Est floodgates gauge read  
~~+0.02~~ + 0.06 m AHD at  
1115 hrs

two flaps closed open + water  
pouring in from ocean at great rate

Mon 10/4/95 Conch

Winery Est floodgate at 1130  
 has - all flags closed &  
 boards in but water backing  
 in to estuary at great rate  
 Gauge read - 0.24 m  
 AHD (estimated)

Insect

Sun 9/4/95 - Signa Full

Tank at 139489 km

Old route

= 14.60 k

(Anchor #)

TO DO

Ring Vess.

~~THURS~~ 11/4 morning 2pm (Winnit) ✓

- Woodlode - send bottles repair
- Donner - 10' 84p fuel.  
- boat, outboard, etc.
- Churcheth - pick up / deliver ✓
- John Woodhouse? ✓
- Andy Chapman ~~Bombing~~ ✓  
A 1000-1000  
air photo.
- Yanyang Lake report to WWT
- 12mm stock ✓
- Catpiss.

WED 12/4

- Thruvillages after 4

- Thorne + Welles oil  
 - Sacatun.

Th. 13/4



Start Tues 11/4/95

Vernier Caliper → Street H.

Arriving

IP light flashing

~~4055~~ ~~4055~~ ~~4055~~ ~~4055~~ ~~4055~~

4055 off zero Enter

Leaving

4055 on your timer  
(15 sec)

15.2K

removed embryos  
 reported brain  
 frozen remainder  
 yes still in culture,

Tues 11/4/95 Cont'd

- ant he guide

- much proper blood -

very vein - tip of claw

- blood much easier

- spleen - frozen  
strictly.

red cells of pink

- non clotted - heparin  
or EDTA

- frozen blood.

- very thin on 26st/4.

Tues 11/4/95 lunch

Brown  
Jackson Brown "Stay a bit longer"

~~Ag~~ Chambers + Arthur's booklet  
on riparian plants for  
rehabilitated areas

Jan Potter - discussion of prob  
= Dan-Walpole region - 2 yrs.  
WMAA provided

Start Thursday 13/4/95

Thurs 13/4

By letter re Billens  
By Bill P. 062500200  
Letter re Roger (Region)

Wetland Inventory, & Main complex.  
- Safford.

cost for  
\$8000 for whole volume survey  
program: → \$4000.

Inter-visit  
Carm Walg. 090 212677

WMAA volume reqs for Main area  
→ Jex (Ag Dept)

Finals analysis of survey data.



Th 13/4/95 Contd

Darren Ryder  
(Edith Cowan) 09  
4 Foundling 400 5555

lowest number

## PERTH

- mat outside bedroom
- change ration.
- from steel?

Vars.

- box of refs from front ✓
- ~~soling~~ ~~so~~ ~~for~~ ~~front~~ ✓
- black belt from front ✓
- ABC ✓
- bottles + labels ✓
- Amy Chapman.
- Stuart re 335 6751

Allen

Wed 19/4 - extra to do

- dice - projector - flowers

which hospital?

- cleaning
- washing
- cheques

Mon 8 May - (9H)

- Port Geyser meeting

- 8:30 - 10-2pm



Thursday

- washing powder
- cleaning
- food
- index

~~with~~  
✓ my Pet. re 3.30 pm meeting.  
my Ian Warford

3p -

heavy for J to make  
re stuff

2pm Bsa.

PAPP

K. K. K.  
 K. K. K. - party.  
 9.30. G. K. K.

Andy — ~~like Mon~~ ~~the~~ —

Island Pt gauge reads  $-0.11$  m  
at 0950 on Feb 21/4/95



## TO DO

- Tell Allen that Street said yes
- Travel class
- Jeremy's fax N° from Coast
- Fax Jit with our intentions
- Hepasin
- take my fuel jerry's
- my spare keys
- take my outboard - over -
- fuel tank - rollers -
- anchor
- film
- batteries
- forget
- vacuum packed meat

Harvey Estuary

21/4/95 cont.

| Stn                         | Time | Depth    | Sal  | Temp |
|-----------------------------|------|----------|------|------|
| 0                           | 1035 | 0.1      | > 42 | 18.3 |
| 1                           |      | ↓<br>1.0 | > 42 | 17.9 |
| Water sample taken at 0.2 m |      |          |      |      |
| 2                           | 1042 | 0.1      | > 42 | 18.4 |
| 3                           | 1043 | 0.2      | > 42 | 18.4 |
| 2                           | 1057 | 0.1      | > 42 | 18.2 |
| 3                           |      | 0.3      | > 42 | 18.4 |
| 3                           | 1103 | 0.1      | > 42 | 18.2 |
| 3                           |      | ↓<br>1.3 | > 42 | 17.3 |
| Water sample taken at 0.2 m |      |          |      |      |
| 4                           | 1110 | 0.1      | > 42 | 18.9 |
|                             |      | ↓<br>1.3 | > 42 | 18.3 |
| 5                           | 1115 | 0.1      | > 42 | 18.4 |
|                             |      | ↓<br>1.1 | > 42 | 18.1 |

Henry River + Estuary

21/4/95 <sup>contd</sup>

- 1 Nowhere at approx
- 1 Mend Duck

~~2.3.95~~

Water sample taken 200 m  
south of Inland Pt at 1615 hrs.

Inland Pt gauge  
reads +0.06 m AHD  
at 1623 hrs

Bands + log files + glue  
are in shoulder bag at  
Teedema

Goldfields: fax or call to  
say who booked with + they  
will send you order number  
(or then send an invoice).

M + C " next week  
(~~signature~~)  
towards end

Ruskin put across to VHS +  
written stuff + sketchbook info.



Feb March

to air some time next year  
(or Sept Oct this year)

---

Reverse charges - ring after  
air survey with results.

---

ASC will give us a copy when  
forwarded for our use  
(any use except charging)

---

TO DO TUES 25/4

- sort papers

- sort gear

- load vehicle.

- Allen C. - name of air company?

- tell ASC not with us.

- ANZSAC sharing office on 27/4?

- papers?

- Gavin Electronics.

(231V) Good stuff -

TO DO WED 26/4 ~~metric~~

- ~~rest/guard duty~~ ~~metric~~
- \* ~~ring JH with name of air survey~~
- ~~copying Goldhawk Air Service~~
- ~~metric~~ ~~leave day from~~
- ~~Wash~~ ~~house agent (Laurie Syllt)~~
- ~~do foot pitheas~~ ~~water in tank~~
- ~~do flying survey~~
- ~~vehicle log + receipts~~
- ~~Longins - Grove St.~~
- ~~Film (100 ASA) + process~~ ~~on J. Lane 4/95~~
- ~~AV2 but (Vist)~~
- \* ~~glass bakin~~
- ~~retire 20 min~~ ~~met heart~~
- ~~Do fill for rent~~
- ~~extra sleeping bags~~
- ~~notify Kat~~
- \* ~~back home~~

- postcard to Vero + birds

~~fill my notebook~~

- sunscreen

- Read Greville list

TO DO THURS 27/4

- ~~maps + photos for survey~~
- ~~air survey ch 6230~~ ~~have notebook~~
- ~~map with results~~ ~~survey~~
- ~~mail sent to JH~~
- ~~type + mail for next week~~
- ~~fill pens~~
- ~~organise papers~~
- ~~Allen today - must be pass~~
- ~~forced~~
- ~~Ray (Chris - car insurance design: faster & fly?)~~
- ~~results of gas survey~~
- ~~pay when for food~~
- ~~organise notes sheets (JH/Len)~~
- ~~Reprint of paper~~
- ~~log book~~ ~~ring John Finlayson~~
- ~~buy film~~
- ~~notebook~~



Bonday I. (Pel Inlet)

Wed 26/4/85 Contd

Note that <sup>25</sup>~~20~~ eggs <sup>1/2</sup>~~1/3~~ fledged  
young walked from nesting area  
to SE shore as I approached  
and as I walked then the  
rest and another 10 <sup>1/4</sup> fledged  
young left the nest area for  
the E shoreline.

⇒ Total chicks eggs

200 <sup>3/4</sup> → fully fledged

25 <sup>1/2</sup> fledged

10 <sup>1/4</sup> fledged

235 "chicks"

(previous)  
all of the most recent nesting  
effort.

Back to vehicle, loaded + parked  
these notes at 0946 hrs.

Wed 26/4/85 Contd

1000 hrs

Crook Lagoon

Black Swans - 42

Sheldrake - 9

Greenback - 2

7+ White-necked Swallows landing over  
shallow water on NE side of Lagoon

Yb Sparrowbill - 8 roosting on  
NW shoreline

Great Egret - 2

Little Egret - 1

adjacent to  
In flooded part NW side of lagoon

Yb Sparrowbill - 14

Sooty - 3

Little Egret - 6

Wf Wren - 1

☞ end see  
next  
page

Wed 26/4/95 Contd

Roosting on W end of island in W channel of Lagoon.

Yb Sooty - 54  
LITTLE EGGS - 2

add to Carey Lagoon total.

Finish 1019 hrs.

Left Woodvale at approx 2.00 - 2.30 pm

Arrived at Hopyakly Inn at 10.10 pm.

Air Survey of  
Lake Bartee  
and Bellend

Start Th 27/4/95

Had breakfast at Hopyakly Inn with Alan C. at 0700. Checked out. Alan dropped me at airport (Goldfields Air Services) at 0750 hrs.

Took off at 0808 hrs and headed for Lake Bartee at 6400 ft.  
Bartee

S of Wood Springs the lake bed is approx 50% covered by water - patchy.

(Lake beds from 40% covered - meaning along W side).

Crossed the E shore of the lake at 0901 hrs, just N of Wood Springs

1650' 160 kts.



Air Survey Contd

"Gunter Isle"

Th 27/4/85 Contd

50m



29° 07' 77" S

119° 33' 42" E

first at 0947 hrs

Photos 2-7 (64ASA) of nest area

Coast E. side of Beake at  
0951 hrs → Ballend.

Reached west shore of Lake Ballend  
at 1010 hrs.

1026 Temp I.

1044 Temp W end

1153 near E end + head for Kelg.

Kelgordie

27/4/85 Contd

Landed at Kelgordie airport  
at 11.34 hrs.  
Mike Stevens.

~~3.4~~ 3.4 hrs x \$305 / hrs.

= \$1037

+ 12 C of

\$1049

Rob Thomas - <sup>Environmental Officer</sup> ~~Planning~~

Set - 2nd island bird #s ? TO

ring  
Terning home on water depth.  
Sun work.

DO

Labre Ballard

Th 27/4/95 Contd

Summary of Events 27/4/95

left ~~the~~ Hospital at 0735 hrs.

Alan changed me at airport at 0750 hrs and he went shopping for gear/food.

I did Lake Butler & Lake Ballard surveys at from 0808 → 1134 hrs in canoe 210. Opened window for photos.

Pilot flew too fast (landing gear warning beeper came on at 100 kts).

I caught taxi to CAA office, made phone calls, Alan joined me for final shopping. Left Hat in my new 4 runner at 1350 hrs. Met Rob Thomas (CAA) on road before Mungah. He followed us to Tredanage, packed up gear, drove to Coroner Lake, all gear over in 2 boats. Reached Lake Butler approx 1900 hrs. Boated over to Camp I. in pike electronics & light rain. Had moved all gear by 8.30 pm. Had dinner. Bed around 10 pm. Raining! - started when we left Tredanage Hotel.

Labre Ballard

Sat Fri 28/4/95

Got up at 0630 hrs - breakfast - organised camp - little better.

0830 - ~~0845~~ 0915 hrs: had Alan Clarke take water samples (surface top & bottom, Total P top) and measure pH (top) and water temp (top & bottom) at

put Yellow flag on left tibia

put metal band on right tibia

100 gm pellets

weighing cones

wing ruler

camera

banding pliers

bands

Flags

glue

calipers

band removal pliers

composite sketch

Also had him collect 3 x 50 m  
invertebrate swags (top 20 cm) and  
measure water depth at site (sharp stick)



28/4/95 Contd

Made lunches, we got into 2 points and boated to first breeding island. No Bats in this area at all. (We didn't see)

2 x 2 Adulter on nearby shoreline  
1 ♂ Red-eyed Plover at edge of breeding island.

Leave at 1100 hrs and boated to west to

Breeding  
2nd Island - arrive 1120 hrs.

- Chicks being brooded on nests at E end of island
- 1 adult led 3 chicks to water
- 2 chicks walking up! onto island

28/4/95 Contd

SKED WITH ROBERT 0800 hrs  
on Saturday 29/4

- 1 adult with 2 chicks (dropped 2 x adult height)
- 1 with 2
- 1 with 5.
- 1 with 3, slowly, stopping to preen at times
- 1 with 5
- 1 with 2 - adult flew down, short calls then 2 jumped one of the other
- 1 with 3, stopped at "cliff" then walked them to slope on W end.
- 1 with 3 off slope
- 1 with 2 " "

1135 hrs light sprinkling rain & E wind.

28/4/95 Contd

— 1 with 2, went to "cliff" and then  
into water ~~from~~ down slope

— 1 with 1 down slope

— 1 with 2 " "

— 1 with 2 " "

— 1 with 2 " "

1223 hrs,

— 1 adult came down to water to  
west, 1 chick ~~to~~ followed it,  
parent returned to colony and  
waited for chick to join it  
and follow it back into nest area

— 1 took 3 down slope to water edge  
then straight back up to nest area,  
another & 1 with 3 also went up  
immediately after (maybe due to light  
rain recommencing?)

28/4/95 Contd

— 1 with 1 came down slope

— 1 with 2 " " "

2.15 pm

— 1 with 2 jumped off cliff

3.28 pm

4.34 Pinguin Fellow took chick  
on 3rd or 4th pass

drinking, ~~up~~ walking, ~~drinking~~ (2x3), ~~drinking~~  
walking, ~~drinking~~

Summary of Fri 28/4/95

See first pages of 28/4 for early  
morning.

At 0930 hrs I radio checked with  
Woodhouse & conveyed to radio check  
at 0800 on Sat 29/4.



28/4/95 Contd

Alan & Rob Thomas made observations while I nests sketched. Then we put our gear in the 12' and 10' pinks (8hp outboard on each) and hooked to the first breeding island. No Skink here. I explained to Alan & Rob about the breeding activity & nest studies. We walked around the island at the edge of the nests, avoiding guano. Note that the per markings on the 31 (?) individually marked nests had <sup>every</sup> ~~completely~~ faded on both sides.

At 1100 hrs we left this island and hooked (2 boats) down to the evening island just E

28/4/95 Contd

E of the 2nd breeding island. Note that we didn't encounter any Best chicks until ~~later~~ ~~we~~ ~~had~~ ~~seen~~ we were within c 300m of the 2nd breeding island. These were in family parties (avg approx 5-10).

At the evening island we sat with binoculars and telescope and observed nesting colony. We observed family parties leaving the island and decided our time was best spent counting these family parties & the number of chicks (+ adults) in each. See previous pages for count data.

Note that the morning had been fine with a light E



28/4/95 Contd

land + some cloud. The ~~cloud~~ cloud  
to the north of us looked increasingly  
threatening (rain) as the morning  
progressed.

At about 1150 hrs light  
sprinkling rain started. We  
had our sandwiches at approx  
1230 hrs and the rain set  
in. Alan + Rob were getting wet  
+ cold ~~and~~ and Rob was concerned  
back to Teedings may become impossible.

At approx ~~1.00~~ 1.00 pm  
I sent them back to Camp  
Island and then to Crosser Lake -  
Alan to check it for ~~water~~ waterbirds  
young and Rob Thomas to get in  
his vehicle and drive back to  
Wageningen to join his family.

28/4/95 Contd

I stayed on viewing island and the  
rain increased and was  
continuous. From 12.30 pm  
till I left at 1640 pm only  
2 family parties left the  
island (for the first time). This  
was no doubt due to the almost  
continuous rain and heavy cloud  
and moderate (occ. strong) E  
wind (the 2 families that left  
did so when the ~~rain~~ rain was  
light. When the rain was  
reasonably heavy there was virtually  
no movement in the colony. All  
the sitting birds sat still & a  
few standing birds still walked  
about. On the scrubbers



28/4/95 contd

at the W end of the island any  
of chicks (all v. young) were  
brooded by their single adult.

The adult would "crouch" on its  
"knees" (in every case) and hold  
its wings slightly ~~off~~ out and  
drooping and a chick would walk  
in on each side and stand with  
heads to rear of adult and fluffy  
~~down~~ down just showing at front  
of adult wing. On 3 occasions  
I watched broods of 3 chicks do  
this, the 3rd chick pushing  
in after one of the last two, its  
down poking out a little more  
than if only 2 chicks. ~~On~~ On  
two occasions I saw the parent  
partially stand for a moment,

28/4/95

28/4/95 contd

holding the chicks in its wings and  
their feet off tangled just  
off the ground. I counted

10 adults brooding chicks like  
this on the "newish" sandbars  
at W end of island.

During the afternoon I  
observed (on at least 10 occasions,  
probably 15) ~~parent~~ ~~adults~~

adults (single) walk back  
onto the island from the ~~W end~~  
shoreline + shallows at the W  
end with their chicks ("day old"  
appearance) following them. The  
parents would either walk up  
the edge of the ~~new~~ nesting area  
(sitting birds) and crouch on  
"knees" and brood (shelter)



28/4/95 Contd

The chicks there — ~~then~~ sometime later ( $\frac{1}{2}$  hr plus) leading them back to the shoreline — or they ~~would~~ would walk along the ~~south~~ northern side (slope) of the island, between the shore and the nesting area, pecking at this and that (never seeming to find anything substantial) with chicks following along along the same. They usually walked  $\frac{1}{2}$  -  $\frac{3}{4}$  the length of the island and then returned along the same thing. Then they either brooded on the island (not in nests) or went straight back to water's edge.

28/4/95 Contd

Drinking: during the 1120 - 1640 period scores of adults came down to N shore to have a quick drink / pee / wash / feed before returning to the nesting area. Only 2-3 of these were observed to drink — and even this was not viewed very clearly. — no doubt the cool-wet day reduced the need to drink.

Picking of Chicks: around 4 pm I saw a ~~near~~ "day old" chick being roughly pecked (+ held) by incubating adults who could reach it. As the nests were close it was always within reach and was pecked at continuously until it rolled (threw?) down slope out



Fri 28/4/95 Contd

of reach. It moved a little  
further W and tried to reenter  
nest area - again it was  
attracted by sitting birds and  
fell back down slope. This  
continued for at least 20 mins  
until it sat still - no doubt  
exhausted. No parent came  
to it. Even standing/walking  
couldn't pick it when it was  
within range. In the  
morning we had seen approx  
5 ~~weak~~ weak chicks scattered  
about singly. Some were  
on their backs and unable to  
rise again. Others staggered  
about ~~in~~ short distances  
and wobbled, wobbling.

Fri 28/4/95 contd

These chicks no doubt die.

Egg Rolling One adult was  
seen to accidentally flick a  
stray (mist slope) egg as the  
bird went down to shore  
to drink and the egg rolled  
1 metre further down slope.

Another bird was seen  
to flick an egg a metre or  
so down slope with one action  
of its bill.

Another bird was seen to  
carry an egg high over the heads  
of sitting birds for several  
metres - its bill jabbed into the  
egg - do some birds jab  
eggs to get commitment?



Fri 28/4/95 contd

Predator The only  
predator/scavenger seen near the  
2nd breeding island between 1120 -  
1640 hrs was a Peregrine Falcon  
(not big so probably ♂).

I first noticed 50 or  
so adults rush<sup>(fly)</sup> to the water  
from W ~~shore~~ end of  
island. Saw a regent flying  
away, then turning back to fly  
at W end of island at height  
of 3m and moderate speed.

Peregrine Falcon! It made 2  
more passes and then on the 4th  
pass flew lower, on the SW side  
of the island, out of sight and when  
came up had a chick (Best) in  
its talons. It flew off to NNE.

Fri 28/4/95 contd

Collected data from Camp Island  
Sampling Site 28/4/95 AM

- Type of ~~shallow~~<sup>wooden stake</sup> down to  
water surface = 0.89m
- Bed of lake to ~~top~~ water  
surface (next to ~~the~~ wooden  
stake = 0.54m.
- pH at surface was 7.9  
(against pH 10.0 standard  
the instrument read 9.8 ;  
against the pH 7.0 standard  
the instrument read 6.95)
- Temperature (from pH meter)  
read 19.0 °C at top  
and bottom of water
- Time was over period 0830 -  
0845 hrs. Weather was  
overcast ~~and~~ but not yet raining



Lebre Ballard

Fri 28/4/95 contd.

Totals of Broods leaving  
2nd Breeding Island on 28/4/95

1 adult with 1 chick: IIII = (4)

1 " " 2 chicks: IIIIIII = (9)

1 " " 3 chicks: II = (2)

1 " " 4 chicks: = (0)

1 " " 5 chicks: II = 2

⇒ 17 broods with 38 chicks  
⇒ average = 2.2 chicks/brood  
and median = 2 and mode = 2.

Lebre Ballard

Start of  
Sat 29/4/95

By heavy rain overnight  
got up at 0715 hrs.

Left Camp Island at c 0930 hrs.

Arrived at Vexing Island at 0949 hrs.

1 with 2 off cliff.

1 " 2 " "

1 with 3 down slope

1 " 3 " "

1 " 3 off cliff

1 " 3 off cliff

Counts of  
number of  
adults and  
chicks in  
each family  
party  
leaving  
island.

L. Ballard

Sat 29/4/95 Contd

1 <sup>asphalt</sup>  
North 3 off cliff

1 with 2 off slope

1 with 3 off cliff

1 ~ 4 ~ ~

1 ~ 2 ~ slope

1 ~ 3 ~ ~

1 ~ 2 ~ cliff

4 ~ 3 ~ ~ (over 4)

1 ~ 4 ~ ~

1 ~ 1 ~ ~

1 ~ 3 ~ ~

1 ~ 3 ~ ~

1 ~ 3 off slope

1 ~ 1 ~ ramp

1 ~ 3 ~ slope

1 ~ 3 ~ cliff

1 ~ 2 ~ ramp

1 ~ 2 ~ cliff

18

47

L. Ballard

Sat 29/4/95 Contd

1 with 3 off cliff

1 ~ 4 ~ ~

1 ~ 3 ~ ~

1 ~ 3 ~ ~

1 ~ 3 ~ ~

1 ~ 1 ~ ~

1 ~ 3 ~ ~

1 ~ 3 ~ ramp

1 ~ 5 ~ ~

1 ~ 2 ~ cliff

1004 L.

1 ~ 1 off cliff

1 ~ 3 ~ ~

1 ~ 3 ~ ~

1 ~ 5 off slope

1 ~ 3 ~ slope

1 ~ 3 ~ cliff

1 ~ 2 ~ ~

1 ~ 2 ~ ~

18

52



Lake Ballard

Set 29/4/95 Contd

1 with 4 off cliff

1 " 2 " "

1 " 2 " range

1 " 3 " "

1 " 3 " slope

1 " 4 - cliff

1 - 2 " "

1 " 2 " "

1 " 3 - slope

1 - 3 - "

1 " 2 - cliff

1 " 2 - range

1 " 3 - cliff

1 " 3 - range

1 " 4 - cliff

1017 km.

1 " 3 off range

1 " 2 off cliff

18 km / pg

R 17

47

Lake Ballard

Set 29/4/95 Contd

1 with 3 off cliff

1 " 3 " range

1 " 4 " slope

1 " 1 " slope

1 " 3 " cliff

1 " 2 " "

1 " 2 " cliff

1 " 1 " "

1 " 2 " "

1 " 3 " "

1 " 4 " "

1 " 2 " cliff

1 " 2 " "

1 " 2 " "

1 " 2 " "

1 " 2 " "

1 " 2 " "

1 " 1 " "

18

41

Lebe Bellard

29/4/95 Contd

1 wall 1 off ramp  
1 " 3 " diff  
1 " 2 " "  
1 " 2 " ramp  
1 " 4 " diff  
1 " 3 " "  
1 " 2 " "  
1 " 4 " slope  
1 " 3 " diff  
1 " 3 " "  
1 " 3 " "  
1 " 3 " "  
1 " 3 " "  
1 " 4 " "  
1 " 3 " slope  
1 " 2 " diff  
1 " 3 " ramp  
1 " 3 " diff

18

55

Continuation is  
two pages further

Notes re Henry River surveys  
done on 25/4/95

Early Henry River dates

Fri 13/5/94 - JL + Allen L. - non standard.

Sat 21/5/94 - non standard.

3/6/94 - " "

4/8/94 - Lane

16/8/94 - Pearson + N. Watts

9/9 - Pearson

19/10 - Pearson



↓ "Log Book" records for my  
Troyche by Runner

| Date    | Temp         | Admission | Init |
|---------|--------------|-----------|------|
| 10/4/95 | V-W area     | 586       | JL   |
| 11      |              |           |      |
| 12      |              | 1153      |      |
| 13      |              | 1408      |      |
| 14/4    |              |           |      |
| 15      |              |           |      |
| 16      |              |           |      |
| 17      |              |           |      |
| 18      |              |           |      |
| 19      |              |           |      |
| T 20    |              | 1420 ✓    |      |
| F 21    | Harvey River | 1689 ✓    | JL   |
| S 22    | —            | 1689      | —    |
| S 23    | —            | 1689      | —    |
| M 24    | Bsn area     | 1699      | JL   |
| T 25    | —            | 1699      | —    |

L. Ballard

Sat 29/4/95 Contd.

(Continuation from two pages previously)

1 well 2 off diff

1 " 4 " "

1 " 2 " "

1 " 4 " naps

1 " 3 " "

1 " 3 " "

1 " 2 " diff

1 " 3 " "

1 " 2 " "

1 " 3 " "

1 " 2 " "

1 " 2 " "

1 " 3 " "

1 " 2 " "

1 " 1 off slope

1034h. + stopped counting for a break. 15 38

See next notebook for  
continuation

Kagami Street Times

0845-0900 hrs

1445-1500 hrs.

ph 090 21 2677 Fax 090 21 7831

J

313 019

Jeremy Hoggall

03 524 2373 (fax)  
524 2348 (W)  
776 6034 (h)

Drone Bird Observatory (John and ?)

091 935600

091 922294 (fax)

Pescara Hook

(Lance Aylett) 383 4777

E.R. Pearce (First National) Bsn

097 521100

P.O. Box 254 Bsn 6280

\$758.35 / month.



JAKL's **April 29<sup>th</sup>** – **May 17<sup>th</sup>** 1995 Banded Stilt research field notes.

These notes have been extracted (photocopied) from his Field Notebook No 15.

No 15



# NOTE BOOK

No. 561

JIM LANE

C. A. M. Busseton

Sat 29/4/95 → 17/5/95





Leake Bellard

Set 29/4/95 count

Resident count at 1039 hrs.

1 bull 2 off cliff

1 " 1 " slope

1 " 3 " cliff

1 " 2 " slope

1 " 4 " cliff

1 " 2 " "

1 " 2 " "

1 bull 3 bull 1

1 " 3 " cliff

1 " 3 " slope

1 " 3 " "

1 " 3 " cliff

1 " 3 " "

1 " 1 " "

3 off cliff on their own  
~~cliff on their own~~ (were part of 6)

1 bull 2 " cliff

1052 hrs

✓

15

36

Lebe Bellard

29/4/95 Contd

1 with 2 off cliff

1 " 1 " rump

1 " 2 " cliff

1 " 3 " "

1 " 3 " "

1 " 1 " "

1 " 2 " "

1 " 1 " slope

1 " 2 " cliff

1 " 4 " "

1 " 2 " slope

1 " 2 " cliff

1 " 3 " rump

1 " 3 " cliff

1 " 2 " "

1 " 1 " slope

1 " 3 " cliff

1 " 3 " "

18

40

Li: Bellard

29/4/95 Contd

1101 km

1 with 3 off cliff

2 chori ~~came down & jumped by themselves~~

1 with 2 off slope

1 " 2 " cliff

1 " 2 " "

1 " 3 " "

1 " 3 " "

1 " 3 " "

1 " 1 " "

1 " 3 " "

1 " 2 " "

1 " 2 " "

1 " 1 " slope

1 " 2 " cliff

1 " 3 " rump

1 " 2 " "

1 " 6 " cliff

16

40



L. Belk

29/4/95 Contd

1110 Ln.

- 1 with 3 off cliff
- 1 " 3 " slope
- 1 " 4 " cliff
- 1 " 2 " "
- 1 " 3 " slope
- 1 " 3 " cliff
- 1 " 3 " "
- 1 " 2 " "
- 1 " 2 " "
- 1 " 2 " "
- 1 " 2 " "raps"
- 1 " 4 " cliff
- 1 " 3 " "
- 1 " 3 " slope
- 1 " 2 " cliff
- 1 " 2 " "raps"

1121 Ln. 16 43

L. Belk

29/4/95 Contd

- 1 with 2 off cliff.
- 1 " 3 " "
- 1 " 3 " "
- 1 " 2 " "
- 1 " 2 " "
- 1 " 2 " "
- 1 " 2 " "
- 1 " 1 " "
- 1 with 3 (1 off cliff 2 off raps)

1840  
924  
1656

1130 Ln - stop

9 22

Totals so far

Birds

Chicks

6, 18, 18, 17, 18, 18

14, 47, 52, 47, 41, 55

15, 15, 18, 16, 16, 9,

38, 36, 40, 40, 43, 22

↑  
184

2.59  
184 477.0  
368  
1090  
924  
1700

↑  
477

⇒ av. = 2.59  
chicks/adult



L. Ballard

29/4/95 Contd

Had lunch

Left Mary Island at 1235 hrs

- gentle E wind & ~~light~~ sea  
scattered clouds

1352 hrs

Started banding  
~~Started banding~~

082-

first band 95021

1640 hrs finished banding. Last band  
was number ~~95127~~ 95127

1715 hrs ~~back to camp~~ we got  
back to Camp Island.

and 95110

95058 was not used (dropped into bag)

⇒ total N° banded = 106 105

L. Ballard

29/4/95 Contd

~~29/4/95~~  
Summary of Sat 29/4/95

Was strong E-SE wind, heavy  
cloud and heavy rain overnight.

Approx 1" of rain in 3 mugs left  
on table overnight. All unsalted

roads in Mary Is Shire were declared  
closed to heavy traffic for 24 hrs  
from this morning (news at 7.00 am)

We stayed in bed till 7.15 am  
because of the weather. Had

breakfast. Made radio check with  
Woodvale (Romney) at 0800 hrs.

Finished breakfast & got lunch &  
gear together and left Camp Island  
in the 2 boats (12' & 10' punts)

with 2 x 8 hp outboards at ... hrs.



L. Ballard

29/4/95 Lough

Weather was showing signs of improving - low cloud reducing but moderate wind from ESE.

Boated down to viewing island next to 2nd breeding island at ... hrs and found that broods (family parties) were coming off the breeding island at a rapid rate. We counted 184 broods (477 chicks) coming off the island between 0955 hrs and 1130 hrs. Note that families coming off island much faster than yesterday PM when ~~it~~ it was raining.

Family parties entered water either by jumping down from "cliff" or walking down "ramp"

L. Ballard

29/4/95 Lough

(~~between~~ between sections of cliff) or walking down "slope" (at W end of island. Usually the single parent led the chicks to the water.

Cliff: parent typically "fluttered" down from "cliff" to water below (standing depth) and called (short calls visible - throat) and chicks scrambled/fell/jumped into the water one at a time. On a few occasions one or more chicks fell/jumped into water first, then parent "fluttered" down and if any remaining chicks, called them down. On <sup>a few</sup> occasions a chick would be left behind ~~at~~ near the top of the cliff and ~~not~~ ~~it~~



L. Ballard

29/4/85 Lontol

once rejected it ran back up  
to the nesting area and was  
attended by sitting adults —  
no doubt ended in slow death.

A few groups (2-3 chicks)  
of chicks came down to ~~water~~  
edge of island without adult and  
jumped in without and adult not  
seen to join them. Some  
parents were more diligent in  
keeping their chicks with them  
(by walking & calling) than  
others which neglected stragglers.

No predators/scavengers  
seen this morning.

After counting ~~the~~ 184  
broods off we stopped for  
lunch.

L. Ballard

29/4/85 Lontol

After lunch we plotted a  
straight line course in the  
direction of (300°) of the  
largest numbers of skelt I saw  
on Thursday (27/4) several  
miles. See map to  
see how far we got before  
water too shallow. We  
then boated to nearest beach  
island & searched with telescope  
for Bats. Decided to zig  
zag our way back towards  
2nd breeding island catching  
chicks and banding them on  
the way. We banded  
10 chicks (band numbers)



L. Ballard

Sat 29/4/85 humble

All of these were entirely  
downy, except one with  
well developed scapular  
feathers and  $\leq 5$  with slightly  
developed scapulars. ~~Partly~~  
~~of adults & chicks we found~~  
~~on structure etc.~~

Continued banding till 9  
was sure we had done 100+.

He stopped banding at 1640 hrs  
~~no conditions~~ before ~~the~~  
sun got too low. ~~Partly~~

It was sunny with a  
light SE wind all afternoon  
- excellent conditions for  
catching & banding (both for  
us and for chicks).

TO DO Sun 30/4

- notes (mine) of Clive's banding?
- Band chicks
- Weight & bill length from sample  
(record how many in brood from  
which taken & band no.)

Need tape recorder.

- brood sizes on water?
- flag largest.

Start 30/4/85

0830 left camp island - flat  
coast + calm, sunny.

Within 300 m of 2nd breeding  
island we saw across

1 adult with 3 chicks

1 " " 2 "

1 " " 2 "

2 adults with 4 "

} "degraded"

swimming on the water

Arrived at viewing island at 0905 hr.

Many chicks visible in and around  
their nests - no doubt because of  
the warm sun shining on the NE slope.

Many of the marked nests at the  
E end of the island are "empty"

30/4/85 contd

(if no adults or chicks visible but may  
have eggs - certainly there are eggs  
scattered than this one). Some  
have adults sitting tight (no eggs or  
chicks visible), some have fluffy  
chicks visible.

0917 hr - Little Cove landed on  
spit at W end of island. It  
had 2 eggs at 2 chicks in a brood of  
3. Picked one egg + dropped it. Picked  
at another. But then swam away. Then  
pecked at another on the spit (live) then  
held it down with its feet and began  
puncturing further out. After a few  
punctures it began pulling small pieces  
of "meat" off the chick + swallowing.

The other adult (with chicks) ~~was~~  
have just pulled back about 10 m



28/4/95

30/4/95 Contd

on either side & ~~behaved~~ behaved almost normally.

Note that fluffy "day old" chicks are visible in & around nests from E to W end of island.

A little Coo picked up a 2nd chick (dead or playing dead) for a while, then walked closer to island and grabbed another live chick in its beak.

An adult walked towards the chick when the Coo left it for moment. The Coo jumped back on the chick & then adult walked away.

0930 hrs - the Coo flew off to the back island to the north with (part of?) a chick in its beak. Landed on low branch of tree.

30/4/95 Contd

2 coot flew past on.

2 Skuas near back island.

Left viewing island at ~~0935~~

0935 hrs - gentle E wind

blowing. Headed 300°. I stood in bow of boat & counted chicks / party.

0947 - 1 with 3

hrs

2 with 7

2 in 6

1 in 1

2 in 6, 1c3, 1c2,

1c2, 1c2, 1c2, 1c2, 2c5, 2c13,

5 Grey Tad in water, 1c3,

4 Gyril, water v. clear,

2c5, 1c6, 1c2, 1c2, 1c2,

1c2, 1c3, 1c2, 1c3, 2c6, 2c6

1c3, 1c4, 1034 hrs, 2c5,

1c2, 1c2, 1c2, 1c3, 1c2, 1c3



29/1/02

30/4/95  
contd.

1c2, 4c7, 1c2, 1c2  
1c3, 3c10, 1c3, 2c5, 1c2,  
1c3, 1c3, 1c2, 1c2,  
1c2 1038 hrs

Telescope  
To island with telescope  
1045 hrs Left at 1114 hrs.

| Totals: |  | Chicks |   |   |   |   |   |   |    |    |  |
|---------|--|--------|---|---|---|---|---|---|----|----|--|
| Adults  |  | 1      | 2 | 3 | 4 | 5 | 6 | 7 | 10 | 13 |  |
| 1       |  |        |   |   |   |   |   |   |    |    |  |
| 2       |  |        |   |   |   |   |   |   |    |    |  |
| 3       |  |        |   |   |   |   |   |   |    |    |  |
| 4       |  |        |   |   |   |   |   |   |    |    |  |

Started banding & flagging (flagging west)

|         |           |      |      |      |
|---------|-----------|------|------|------|
| Nº      | 058       | 3.84 | 85 g | Flag |
|         | 129       | 3.81 | 85 g | Flag |
|         | 131       | -    | -    | Flag |
|         | 130       | -    | -    | Flag |
| ↑       | ↑         | ↑    | ↑    |      |
| band Nº | bill (cm) | wt   |      |      |

Bands on Rt, Flaps on ~~left~~ left tibia

| Band Nº | Bill | Wt. | Flag? |                                                        |
|---------|------|-----|-------|--------------------------------------------------------|
| 128     | 4.67 | -   | F1    | Photos <sup>were</sup> <del>made</del> of one of these |
| 132     | 4.66 | -   | F1    |                                                        |
| 110     | -    | -   | F1    |                                                        |
| 133     | -    | -   | F1    |                                                        |
| 134     | -    | -   | -     | 2 banded on left leg by mistake                        |
| 135     | -    | -   | -     |                                                        |
| 136     | -    | -   | -     |                                                        |
| 137     | -    | -   | F1    |                                                        |
| 138     | -    | -   | -     |                                                        |
| 139     | -    | -   | -     |                                                        |
| 140     | -    | -   | -     |                                                        |
| 141     | -    | -   | -     |                                                        |
| 142     | -    | -   | -     |                                                        |
| 143     | -    | -   | -     |                                                        |
| 144     | -    | -   | F1    |                                                        |
| 145     | -    | -   | F1    |                                                        |
| 146     | -    | -   | -     |                                                        |
| 147     | -    | -   | -     |                                                        |
| 148     | -    | -   | F1    |                                                        |
| 149     | -    | -   | -     |                                                        |



band no.s 30/4/95  
 Consider  
 family of 3 with 1 adult  
 084  
 082  
 150 ← ~~band no.~~ new bird  
 "day old"  
 1255 hrs. - 1 chick "day old"  
 chick - no band.

Stopped for lunch on water at 1255 hrs.

~~Water~~ Water clear to bottom. Hundreds of Perentonia, some nesting

Restart 1.15 pm. ~~Cloud~~ Cloud approaching

| Band No | Bill | Flagged? |
|---------|------|----------|
| 151     | -    | FI       |
| 152     | -    | FI       |
| 153     | -    | FI       |
| 154     | -    | FI       |
| 155     | -    | -        |
| 156     | -    | -        |
| ↓       | -    | -        |
| 168     | -    | -        |
| ↓       | -    | -        |
| 175     | -    | -        |

| band no. | bill | Flagged? |
|----------|------|----------|
| ↓        | -    | -        |
| 179      | -    | -        |
| 180      | -    | -        |
| ↓        | -    | -        |
| 89       | -    | FI       |
| 90       | -    | FI       |
| 91       | -    | FI       |
| 92       | -    | -        |
| ↓        | -    | -        |
| 244      | -    | -        |

244 (last bird)

one catch of 8  
 " " " 7  
 " " " 11

Final 1601 hrs.

Totals

(128 → 244 = 117)  
 4 + 2  
 119

19 flagged.

3 biggest catches with scoop net

Totals: 119 banded - of these, 19 were yellow flagged on left tibia.



30/4/95 Contd

Crossin Lake - skent 1656 km

- 1 cock seen
- 2 <sup>cock chicks</sup> heard squabbling and  
once seen to dive.
- 1 cock (singing) with 3+ tiny chicks on  
water near nest. (red <sup>always</sup> by nest). Nest over  
20 m above water level and  
completely empty.
- Mated heard.
- Cock nest with 6 warm eggs, hatched  
2 in water - nest in my hand  
much fresh leaf material in nest  
(green). Looks like a nest  
in an "old" nest.
- Cock with 2+ red faced squabbling  
downy chicks (not tiny)
- 1 Little Green Cormorant flying

30/4/95 Contd

- 1 ♂ Mink Duck heard
  - 1 Little Green heard
  - 3+ ~~2~~ mid-large red faced downy  
cock chicks were fledged  
nest (completely empty but with  
fresh green leaves - Malabarica?)
  - heard Peard (1 or 2) and  
Coytl (1) in the dark
- Franked Lake singing again 6 pm.  
Bathed (and enjoyed) back  
to Camp Isobah.

Wind was gentle from E except  
early AM (till 9 am) when there was  
no breeze. Sunny in AM, cloudy in  
PM. The largest (see photos)  
chicks were fledged. Most were downy  
only + were banded.



29/4/95

20/4/95 Contd.

For Mon 1/5 Radio Shack

- Andy Chapman

- be at our 4Runner at 5pm

- bring 2 loaves 5' milk bread

- 1 Jerry unleaded petrol

- ring Vicki - all ok.

Food for Wed pm?

- 2L UHT milk

- ~~3 steaks~~ 700g Chicken

- pet Weathix (kiss?)

- Clive - BBOb's

islands, water level, banding, fussy.

Said Andy should call us at 1/2 hr intervals from 5.00 pm onward if not at our vehicle by 5 pm.

30/4/95 Contd.

From 7 pages back

| adults | Chicks |    |    |   |   |   |   |    |    |  |  |  |  |
|--------|--------|----|----|---|---|---|---|----|----|--|--|--|--|
|        | 1      | 2  | 3  | 4 | 5 | 6 | 7 | 10 | 13 |  |  |  |  |
| 1      | 1      | 22 | 11 | 1 | - | 1 | - | -  | -  |  |  |  |  |
| 2      | -      | -  | -  | - | 4 | 4 | 1 | -  | 1  |  |  |  |  |
| 3      | -      | -  | -  | - | - | - | - | 1  | -  |  |  |  |  |
| 4      | -      | -  | -  | - | - | - | 1 | -  | -  |  |  |  |  |

Total adults = 63 ✓

Total chicks = 169 ✓

Total "parties" = 48 ✓

Average chicks/adult =  $\frac{169}{63} = 2.68$

↑

\* Note that I only counted families and parties where I was confident of both adult + chick numbers. Did not count large parties ~~(families)~~ (generally 10 → 50 chicks + 5-20 adults)

Compare with 2.59 chicks per adult at island yesterday.

Start 1/5/95 Contd

Scene Camp Island 0800 hrs

Scene Pelagic Island 0915 hrs

2 Cormorants (?) flying away from  
colony as we approached

light → moderate E wind

Swing - some cloud

0921 hrs.

1 c 2 off slope

1 c 3 " "

1 c 2 " "

1 c 2 " cliff

1 adult brooding 2 chicks off nest, mid  
slope, has incomplete chest band,

1/5/95 Contd

1 c 2 off slope

1 c 1 (the adult with incomplete  
60% band)

1 c 3 off slope

1 c 2 " cliff

1 c 2 " slope

1 c 1 " cliff

1 c 1 " slope

1 c 2 " ridge

1 c 1 " slope

1 c 2 " cliff

1 adult with 60% chest band took 2 chicks

to edge of cliff, placed down to water  
within 5 min, then placed back up to chicks, brooded  
them, then took them back up slope & brooded again  
~~to edge of slope~~

1 c 1 off slope.



1/5/95 Contd

1 adult ran down from nest to  
water and drank.

1 c 2 off cliff.

0945 hrs.

1 c 5 off cliff

1 c 3 " slope

1 c 2 " cliff

1 c 2 " "

1 c 2 " "

1 c 2 " "

1 c 2 " ramp

1 c 2 " cliff

1 c 1 " "

1 c 1 " "

1 c 2 " "

1 c 4 " "

1 c 2 " slope

1 c 2 " cliff

1000

1/5/95 Contd

1 c 6 off cliff

1 c 1 off ramp

1 c 3 " cliff

1 c 3 " "

1 c 3 " "

1010 hrs.

1 c 2 off slope

1 c 2 " cliff

1 c 2 " cliff

1 c 3 " "

1 c 1 " "

1 c 3 " "

1 adult ran down & drinking

1 c 2 " slope

1 c 2 " cliff

1 c 2 " "

1 c 2 " ramp

1 c 3 " "

(37th  
brood)

(46th brood)

4/2/95

1/5/95 Control

7 birds flying in distance.

1 c 2 down ramp (47th brood)

1 c 2 " slope

1 c 1 " "

1 c 3 " "

1038 hrs -

1 c 1 " "

1 c 2 " "

1 c 2 " "

1 c 2 " cliff

1 c 2 " slope

1 c 2 " "

1 c 1 " "

1 c 3 " "

1 c 3 " ramp

1 c 2 " slope (60th brood)

1 c 2 " cliff

1048 hrs.

Today we are getting every brood coming off the island (NE side). Two

(31)

Mon 1/5/95 Control

degs go we were missing some mixed groups.

1055 hrs -

1 c 2 off cliff (62nd brood)

1 c 1 " slope

1 c 1 " "

1 c 2 " "

1 Wedge-tailed Eagle with 2 Rovers passing

1 c 1 off cliff

1 c 3 " slope

1 c 6 " cliff

1 c 2 " slope

1 c 2 " ramp (70th brood)

1 c 1 " cliff

1 2 cliff

1 1 ramp

1 c 2 off cliff (left a 3rd behind which was up slope + was picked by adult)



1/5/95  
Cork

2 Little Cormorants, landed on  
rooftop at W end. Pulled at dead  
chicks

(Cormorant) 1 c 2 off cliff (75% band)

1 c 1 " "

1 c 2 " "

1 c 2 " ramp

1 c 2 " cliff

1 c 2 " slope (80% band)

1 c 2 " "

1 " 4 " cliff

1 " 2 " "

1 " 2 " "

(Cormorant) 1 " 1 " slope

1 " 2 " cliff

The one with the 60% chest band had  
one off cliff into water then went  
back to brood the struggler.

1/5/95 Cork

1 c 3 off cliff

1 c 2 " slope

1 c 2 " "

1 c 2 " ramp (90% band)

1 c 3 " "

1 c 3 " "

1 c 1 " "

1 c 2 " slope

1 c 2 " cliff (95% band)

1 c 2 " slope

1 c 1 " slope

1 c 2 " ramp

1 c 2 " cliff

~~1 c 1 " "~~ (100% band)

1 c 2 " cliff

1 understaffed rookery ("specimens?")

1 c 2 off cliff

1/5/95

1/5/95 contd.

1 adult led a group of 4 to cliff  
 then ran back to sit on nest! young  
 ones went back in its direction (voiced?)  
 1 c 3 off slope  
 1 c 2 " cliff (104th band)

1146 hrs.

Many fewer adults on islands  
 Chicks variable (in + new nests) from  
 E to W end.

Leave viewing island at 1155 hrs.

Rego Head W, eat lunch on  
 the way.

Reached W viewing point at 1320 hrs.

1/5/95 contd.

| Bird Number    | Flagged? |
|----------------|----------|
| First bird 245 | —        |
| ↓              | —        |
| 254            | — FI     |
| 255            | — FI     |
| ↓              | —        |
| 264            | — FI     |
| 265            | — FL     |
| 266            | — FL     |
| 267            | —        |
| 268            | — FL     |
| ↓              | —        |
| 271            | — FL     |
| 272            | —        |
| 273            | — FI     |
| 274            | — FI     |
| ↓              | —        |
| 290            | — FL     |
| ↓              | —        |
| 351            | —        |

2



| <u>Band No.</u> | <u>Flagged</u>              |
|-----------------|-----------------------------|
| 353             | FL                          |
| 354             | FL                          |
| 355             | FL                          |
| 356             | FL                          |
| 357             | FL                          |
| 358             | FL                          |
| 359             | FL → Bill 4.56              |
| 360             | FL                          |
| 361             | FL                          |
| 362             | FL                          |
| 365             | FL                          |
| 366             | FL                          |
| 368             | FL                          |
| 369             | FL ← last bird banded today |

Stopped banding / flagging at 1640 hrs.  
 The biggest <sup>single</sup> catch by sweep net today was 20! <sup>^</sup> (a new record)

1 Gt TL with 8-9 small Chas I checklins on Baller near Argo at 1720 hrs.

Totals — 125 banded (Nos. 245 → 269 incl)  
 of these, 24 were also flagged.

Progne Totals this trip

|                | <u>Banded</u> | <u>Flagged</u> |
|----------------|---------------|----------------|
| 29/4           | 105           | —              |
| 30/4           | 119           | 19             |
| 1/5            | 125           | 24             |
| <u>Totals.</u> | <u>349</u>    | <u>43</u>      |

Summary of Brants coming off island today

Total Brants = 104

Total Chicks = 218

⇒ chicks/brant = 2.10

2.096  
 104 | 218  
 208  
 100  
 936  
 640  
 624





2/5/95

0840 hrs - leave C & S Islands

370 FI

371 -

0925 hrs

0935 hrs - reached Vening Island

Only 26 Best visible sitting.

Small number of downy chicks under and around these birds

and only 15 standing/walking on island.

Approx 130 Best, many with chicks, standing on the "islets" (mostly south) at the W end of the island.

1 c 3 off slope

1 c 2 " "

1 c 2 " "

1 c 3 " "

3 Brown Falcons flew past

2/5/95

(Craig Chapman ID'd them)

1 c 4 off slope.

1002 hrs

1 Wedget Eagle + 2 ~~Small~~ Little

Coats flew from S to "runway area". Seemingly one Brown

Falcon circling them. Best rose up from that area.

1 c 2 off slope

1 c 1 " "

1004 hrs.

94.0

1040 hrs

1 adult + 2 chicks

|       | Wt   | Bill | Wing | B+H                     | Tarsus |
|-------|------|------|------|-------------------------|--------|
| Adult | 165  | N/A  | 145  |                         |        |
| c1    | 26.0 | 22.7 | -    | 45.1<br><del>45.0</del> | 43.0   |
| c2    | 22.0 | 23.4 | -    | 44.5                    | 43.6   |

94.5

17.1

7.5

92.6

2/5/95.

11.35 Adult w/- 3 chicks

|    | wt   | bill | wing | B+head |
|----|------|------|------|--------|
| 2A | 30.0 | 25.4 | —    | 45.2   |
| 2B | 27.0 | 21.6 | —    | 42.5   |
| 2C | 34.0 | 23.5 | —    | 45.1   |

tarsus.

|    |      |
|----|------|
| 2A | 44.9 |
| 2B | 41.4 |
| 2C | 41.6 |

12.05 Adult w/- 3 chicks

|       | wt   | bill | wing | bill+head |
|-------|------|------|------|-----------|
| Adult | 190g | —    | 203  | —         |
| 3A    | 63g  | 33.7 | —    | 59.8      |
| 3B    | 68g  | 34.8 | —    | 61.1      |
| 3C    | 57g  | 31.1 | —    | 57.8      |

2/5/95

Adult 2 and 3 both molts  
 & both with 2 brood patches.

12.35 h - landed on island for lunch.

♂ w/- brood patches.

Adult w/- one chick 1.40 PM

|       | wt   | bill | wing | B+head | max-tarsus |
|-------|------|------|------|--------|------------|
| Adult | 185g | 77.2 | 205  | 115.0  | 98.6       |
| 4A    | 32g  | 23.2 | —    | 45.5   | 45.4       |

Extra chick - Bill: 23.3 B-H: 45.7

Maximum Wt. 27g.  
44.4

tarsus

94.9  
 51.1  
 51.0  
 56.7

| Adult | bill | RL   |
|-------|------|------|
| 1     | 13.3 | 9.5  |
| 2     | —    | —    |
| 3     | 18.2 | 13.9 |
| 4     | 19.1 | 13.6 |
| 5     | 22.6 | 16.6 |



2/5/95

Admet w. 1 Child 2.1314

| no       | wt    | bill | wing | B + length | tail  |
|----------|-------|------|------|------------|-------|
| Adult    | 198.9 | 72.3 | 200  | 108.3      | 104.2 |
| chick 5A | 83g   | 43.1 | -    | 70.8       | 57.5  |

2 broad patches  $\delta^7$

3.48 All with complete band <sup>black</sup> & belly patch  
Stopped on island for lunch - <sup>all</sup> <sup>new</sup> egg found

1432 hrs. — rest/bt bending/feeding

|     |   |
|-----|---|
| 372 | - |
| 373 | - |
| 381 | - |
| 382 | F |
| 383 | - |
| 384 | F |
| 385 | - |
| 386 | - |
| 387 | F |
| 388 | F |
| 393 | F |
| 394 | F |

|     |            |
|-----|------------|
| 389 | not flayed |
| 390 |            |
| 392 |            |

2/5/95

1542 hrs

|     |    |
|-----|----|
| 396 | F1 |
| 397 | F1 |
| 398 | F1 |
| 399 | F1 |
| 400 | F1 |
| 401 | F1 |
| 402 | F1 |
| 403 | F1 |
| 404 | F1 |
| 405 | F1 |
| 406 | F1 |
| 407 | F1 |
| 408 | F1 |
| 409 | F1 |
| 410 | F1 |
| 411 | F1 |
| 412 | F1 |
| 413 | F1 |
| 414 | F1 |
| 415 | F1 |

Totals for 2/5/95

Banded: 46

Flipped: 28

Page 10 Totals

Banded:  $349 + 46 = 395$

Flipped:  $43 + 28 = 71$

Stopped banding/flipping and headed for Camp I.  
at 4:50 pm

Arrived back at Camp Iskani at

approx 5:20 pm

(We were pushed in to strong SE wind  
and had Andy Chapman with us)

Light cloud in sky most of day

No cloud at end of day. Wind

from SE all day - light-moderate  
windy; strong in late afternoon

2/5/95

(370-415)  
inch

2/5/95 Contd

Summary of Shot ~~Male~~ Birds

We collected 5 broods of chicks  
each clearly a distinct brood with  
its own (single) parent. We  
tried to collect all 5 parent  
birds but missed No 2. — so  
only got 4. All 4 were

males with ~~pink~~ complete chest

bands (each black margin to  
upper edge) and black bellies.

All 4 also had bare areas of  
skin on either side of sternum  
(large testes) (brown patches)

We took the oesophagus & gizzard  
(with proventriculus) from each adult  
and chick & ~~stomach~~ stored them  
separately in 70% alcohol  
(used lake water for the 30%)



2/5/95

| Adult Label                  | Chick Label |
|------------------------------|-------------|
| Adult 1                      | Chick 1     |
|                              | Chick 2     |
| * Adult 2<br>(not collected) | Chick 2a    |
|                              | " 2b        |
|                              | " 2c        |
| Adult 3                      | Chick 3a    |
|                              | " 3b        |
|                              | " 3c        |
| Adult 4                      | Chick 4a    |
| Adult 5                      | Chick 5a    |

Totals: 4 adults and 10 chicks

Note that in one of the branches  
we lost chicks from today (from  
breeding / flying) we saw one  
chick with a yellow leg

2/5/95

play swimming with the others

Lake Island

Sitert Wed 3/5/95

Up at 0630 hrs.

Breakfast

Pam Rosta Street

Ray Jeremy Hagan & L

- only 100 Shift

Water level 9cm below bottom  
of lagoon on struts on S side of  
Camp Island at 0846 hrs.

2nd breeding island at 0906 hrs

- only 10 Shift sitting and 7 standing  
on island, < 10 chicks visible.

- c 120 Shift on "spots" (cavities) on  
at W end of island

- c 10 broods of chicks with Shift on "spots"

One ~~small~~ Red-capped Plover on structure in

3/5/95 Contd

front of me - on nesting island.

- Conditions: 100% overcast - moderate

→ strong E wind - cool.

416 FL

417 FL

418 FI

419 FI

420 -

421 FL

422 FI

423 FI

424 FI

425 FI

426 FI

427 FI

428 FI

429 FI

430 FI

431 FI

432 FI

433 FI

434 FI

435 FI

436 FI

437 FI

438 FI

439 FI

440 FI

} all fledged.

444

445 FI

446 FI

447 FI

448 FI

449 FI

450 FI

451 FI

452 FI

453 FI

454 FI

455 FI



3/5/95 Contd

448 FI  
449 FI  
450 FI  
451 missing.

452 }  
all Flipped

457 }  
all Flipped

475 }  
all Flipped

~~Flipped~~ Sub Total (3/5 AM)

Banded: 59 (missing  
bird 451 missing)

Flipped: 57

Had lunch at "Tropical Island" from  
approx 1210 hrs → 1300 hrs.

3/5/95 Contd

500 }  
all flipped

+ 4 FI only.

1505 hrs.

+ 3 FI only

+ 10 FI only

Back to Sandy Island

at 1610 hrs

- now only 1 bird sitting!

and 2 standing

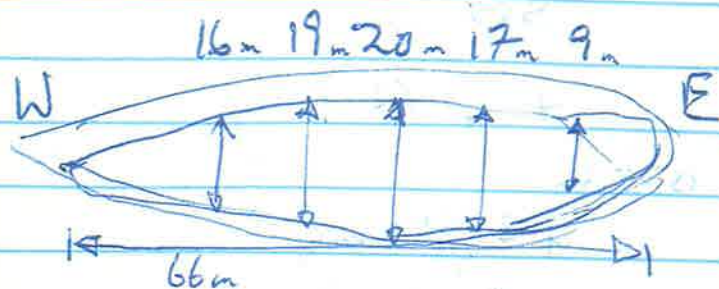
and c15 on "spits" (mush)

at W end of island with small

no. of chicks

Measurements of Nesting Area

66m long.



off 5.02pm

$$\text{Total Banded (3/5)} = 59 + 25 = 84$$

$$4 \text{ Flipped (3/5)} = 57 + 25 = 82$$

with bands

+ 17 Flipped

without bands

$$= 97 \text{ flipped}$$

Grand Totals

$$\text{Banded} = 395 + 84 = 479$$

$$\text{Flipped (with bands)} = 71 + 82 = 153$$

$$\text{" (without bands)} = 17$$

$$\text{Total Flipped} = 170$$

Other species of "whiskers" seen on Buller

on 3/5

Penguin-Falcon (1), Wedge-tailed

Eagle (2), Cory's Shearwater c150 in flocks to

30. About (23 singles), 1 Silver Gull

(yesterday). No crows. 1 Shrike



Yesterday's Silver Gull was seen  
twice — once flying and once  
sitting on water, 30m from a  
brood of chicks and feeding them.

Peter Hudson — Flinders University  
studying invertebrates at Lake Lefroy.

Petechange system (salt lakes)  
seen as sterile barren wasteland  
suitable for waste discharge  
(of highly saline water) etc.

Western Mining operates on Lake  
Lefroy — mining gold from open  
pits in middle of lake. ~~the~~

Hudson doing PhD — was doing  
work on a study invertebrates  
of playa lakes in the Eyreline

Birding struck.

Andrew Dudgeon + Andy Chapman  
collected invertebrate invertebrates  
from back of Lake Burke (pink lake  
in salt crust + pile of soil  
next to it) WPA museum. could not  
say what order it was in.

Start Th 4 May 95

~~by~~

1st Breeding Island - Nest  
diameters, ~~depths~~ + specimens

Quadrat ABHG :-

30, 33, 35 cm

31, 31, 37 cm

29, 32, 30 cm

~~32, 45~~

35, 48, ~~35~~ 35 cm

33, 34, 50 cm

→ Triangle transect method  
- 3 sides of triangle

Quadrat BCIH :-

34, 29, 28 cm

30, 33, 34 cm

28, 34, 30 cm

28, 30, 30 cm

38, 25, 34 cm

Quadrat CDJI :-

38, 31, 23

32, 31, 33

31, 29, 27

31, 35, 40

27, 36, 29

Quadrat DEKJ

29, 35, 37

22, 37, 29

30, 38, 27



33, 28, 28

27, 27, 27

### Quadrat EFLK

28, 28, 29

28, 31, 30

33, 39, 29

35, 27, 31

27, 31, 29

24, 29, 29

### Quadrat RQKC

23, 28, 23

28, 25, 29

38, 28, 25

34, 27, 25

30, 28, 30

### Quadrat QPJK

33, 39, 42

30, 31, 34

32, 39, 30

### Quadrat POIJ

41, 31, 32

### Quadrat ONHI

39, 23, 34

35, 29, 43

### Quadrat NMGI

33, 36, 29

40, 38, 36

Quadrat MNTS

29, 31, 25

47, 31, 32

40, 30, 31

44, 33, 30

Quadrat NOUT

28, 34, 31

28, 28, 45

42, 43, 38

43, 31, 32

Quadrat OPVU

33, 30, 28

33, 36, 41

33, 28, 34

Quadrat PQWV

27, 34, 27

32, 25, 25

31, 32, 30

35, 31, 30

26, 36, 27

Quadrat QRLW

24, 27, 29

30, 34, 38

29, 29, 25

30, 42, 33

30, 33, 24

These are nest diameters - not from quadrats.

15, 15, 14, 14, 15, 15, 15, 17, 15, 14.5

15, 15, 14, 14, 13, 13.5, 14.5, 15, 15.5

13, 13.5, 14, 13, 13, 14, 14.5, 13.5, 12

13, 12, 14, 14.



4/5/95

1130

Cook - 4 bowls - <sup>all down</sup> small  
 & large chicks (chick?)  
 Seven

GyTL - 2 lps with 6 large chicks  
 doubling

WFL 28

Agnet

Finn 1218

- Ango bag work Andy Chapman.
- Rests in tent (adhes. lubricant)
- Ango bags & spray in Ango
- 1 fuel Jerry with A.C., ABC to refill
- Water jugs with A.C.
- Trailer wheel with A.C.
- cutting etc on island.
- 1.5 gallons in trailer

# TO DO

- Ango bag ✓
- 1.5 gallons ✓
- Ref Jerry - tell to speak to Andy about choice of place / pilot (not Goldfields Scarce)
- Fuel Jerry with 2x etc into
- need Windows & other cold gear to bring outboard to tent.

creeping on wave -  
Probably do an aerial survey  
on Tuesday - if Jim wants to  
come that's okay.  
Crew will probably stay in the  
area for a while and see what  
they can get - maybe 8 days.  
(at the moment) stay long if  
good. Also taking a freelance  
guy who may stay after ABC  
team.

Went down in forest leading up  
to "the big walk" of B-st  
check their Menzies in the 1980's



1 roll 64 ASA  
36 exp Kodachrome  
mailed 8/5/95

TO DO

My phone 1 month  
was \$61.52

(debit from TA check from April)

and \$48 - 00 from  
my TA check for month  
ended.

\$7.50 for cash for month  
from check



Jim Lane -

3/5/95

Reply from Jeremy Houghton.

He will send a crew early

next week to get footage of

creching on lake -

Probably do an aerial survey  
on Tuesday - if Jim wants to  
come that's okay.

Crew will probably stay in the  
area for a while and see what  
they can get - maybe 8 days.  
(at the moment) stay (enjoy if  
good). Also taking a freelance  
guy who may stay after ABC  
team.

A director in person leading up  
"the big walk" of Bast  
a those things in the 1980's

078710 1 cell 64 ASA  
36 exp Wodehouse  
mailed 8/5/95

DD  
gasoline 1 frank  
was \$61.52  
from TA claim for April

at \$48 - 00 from  
TA claim for month  
L.

7.50 for cash for next  
for claim

Jim Lane - 3/5/95  
Reply from Jeremy Hogarth.

He will send a crew early  
next week to get footage of  
creching on lake.

Probably do an aerial survey  
on Tuesday - if Jim wants to  
come that's okay.

Crew will probably stay in the  
area for a while and see what  
they can get - maybe 8 days.  
(at the moment) stay keeping  
good. Also taking a freelance  
guy who may stay after ABC  
team.



Fri - beyond Thursday -  
120° 50' on N shore

---

Charlotte 381 9688

80 Charlotte Ave. Suburbs

---

Take off 0800 Return 0900

Census I then Penguin I.

500' Census 172

At land down off. ~~Monday 8:30~~

Royal Air Club. 09 332 7722  
~~332 7722~~

Andrew Booth Δ

---

**JAKL's May 18<sup>th</sup> – Dec 18<sup>th</sup> 1995 Banded Stilt research field notes.**

These notes have been extracted (photocopied) from his Field Notebook No 16.



Sec 260 16A  
(8/11/95 → 11/11/95)

Nº 16



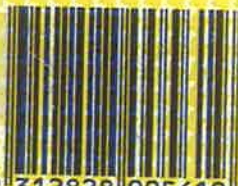
# NOTE BOOK

No. 561

J. LANE

CALM JSN

18/5/95 → 18/12/95



9 312828 005619



#122/day = \$610/week

⇒ 10 weeks = \$6,100

= 15 weeks = \$9,150

Sat 8 July 95

River Heights ~~gauge~~ gauge = +0.46m

Water level higher on ocean  
side - see water leaking in.

Strong NW wind, rain!

Sat 15 July 95

0' night at Crabshell Motel.

Creeping marshes from approx 0520

to 0920 hrs. Water level

has been very high in past few days  
due to low pressure, high winds &

high astronomical tide & rain. Heliconia  
is damaged with rubbish & bird. material



Creeley Meadows and  
Harvey Estuary

15/7/95 contd

Took many photos of rubbish in sampleline  
with last of 50 ASA film and  
beginning of 64 ASA Kodachrome.

There were zero Banded Shells  
in the deep + trash area.

Island Pt Gauge = +0.34 m at  
10:10 hrs on 15/7/95

| Sta. | Time | Depth | Sal  | Temp |
|------|------|-------|------|------|
| 0    | 1100 | 0.1   | 15.0 | 14.5 |
|      |      | 0.2   | "    | "    |
|      |      | 0.4   | "    | 14.4 |
|      |      | 0.6   | 15.2 | 14.3 |
|      |      | 0.8   | 15.3 | 14.4 |
|      |      | 1.0   | 18.6 | 14.8 |
|      |      | 1.2   | 19.7 | 14.8 |

Harvey Estuary

15/7/95 contd

| Sta. | Time | Depth              | Sal                 | Temp |
|------|------|--------------------|---------------------|------|
| 1    | 1110 | 1.4                | 20.5                | 15.1 |
|      |      | 1.6                | 25.4                | 14.9 |
|      |      | 1.8                | 26.1                | 14.9 |
| 1    | 1115 | <del>0.1</del> 0.1 | 10.0                | 14.2 |
|      |      | 0.2                | 15.3                | 14.5 |
|      |      | 0.4                | 15.5                | 14.5 |
|      | 1119 | 0.5                | 15.7                | 14.5 |
| 2    | 1124 | 0.1                | 8.5                 | 14.1 |
|      |      | 0.2                | 8.6                 | "    |
|      |      | 0.4                | "                   | "    |
|      |      | 0.6                | 14.8                | 14.3 |
|      | 1129 | 0.7                | 16.0                | 14.3 |
| 3    | 1135 | 0.1                | 7.5 <del>17.5</del> | 13.7 |
|      |      | 0.2                | "                   | 13.6 |
|      |      | 0.4                | 8.4                 | 13.8 |
|      |      | 0.6                | 11.1                | 14.0 |
|      |      | 0.8                | 16.0                | 14.4 |

Water level at Versa

Essex floodgates

= +0.70m at 3.13 pm

Don't use to calibrate logger as meter  
is juddering out

Andy Chapman: 090 212

TO DO: Mon 4/9/95 →

Phone book from office ✓

Postcard board re notes ✓

Interview ✓

E.R. Pearce - roof leak + heater leak

Andy Chapman - arrival time ✓

Access time - Kal? flights? ✓

Banded Skit permit

Cassettes

Great sunny library? - grammar holes + V-H.

Vehicle service check ✓

Net Reports - Rensser

<sup>Sun</sup>  
Insert = 27/8/95

Took Garrett + Chloë in punt. Lunched  
at Fort Road. Photographed trees. Heard  
motorbike frogs (numerous) and Bango  
Frog. Saw 2? broods of Shelducks  
Class I (large) ducklings - 18 in total.  
Saw 1 large teal pole in Versa Estuary on  
beach before widens right out

Tues 12 Sep 95

1015 hrs - Torrid-Garmp

Lagoon - depth 1.93 m

One Sherg - Red-bellied Sandpiper  
feeding at water edge.

1 pr Shelduck class feeding in  
v. shallow water here.