

Finalised indexes, received
16/2/2014 and printed (+ saved
to c:\)
on 17/2/2014
J.

Grant Pearson's Field Notebooks

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13/10/95 PNC.

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59



①

13/10/05

0830 Clamping Battery Film

0930 Pearl Pro Sales - Pelican Box

1000 Kyp → Bank

1100 Whittards - Glasses, Bath

1145 W.R.C.

1200 WANDERER - Beer

1300 JAWAKOK ~~Take off 1300~~ ^{Fix 1315} Take off 1335

1350 Pt Grey

1445 Fin

1515 J'Kot

1600 Emma - Woodrill

1700 W.R.C.

1730 off.

(2)

1310/65

South Smith flight

Photo taken

Microscope

Goodolam

Doc at Inarlett

Arrow Beach

83° 7' 20"

Aircraft sat in a queue to take off
for 10-minutes while a stream of
LAS did landing practices
Conditions were bright cloudless
24°C. Easly at 20 knots.

(3)

(4)

(5)

18/10/95

0550 as w/c. Alarm ringing

0620 to Clifton

0750 at Clifton Road House

Sub. # 6.

Not flowing water backed into murky
climbing stream $D = 20\text{ cm}$

Sampled from pool as before

Richard Sample Tot Pin

unfilled

Cond 4.53 m/s

Calculated at $2.76\text{ m/s. (spot on.)}$

and use. Natural Vegetation.

5 km Haub Rd to Poppermont Rd

⑥

Scanned with a scanner

18/10/95

P10 u

up stream of P10 ^{at} ~~opposite~~ road & drain
junction

Cond 1931 U/S

Not flowing

land use - Agriculture
cattle grazing - pasture

18/10/95

⑦

18/10/95

P10 u/s

Stream flowing into P10u

Cond. 4.57 ms

Flowing at

1 m in 16 Secs



land use - Same

= 3.75 m/min

= 0.0625 m/sec

3.125 l/sec

⑧

18/10/95

0950

2.10

Cond 1828 US

944 ppm

Overflow at bend at 1 m/sec

50 cm wide

15 cm deep

hand use.

Cattle grazing Portland
cleared.

⑨

18/10/95

1030

Pa

Cond 6.72 m/s.



3.7 m in 15 Sec.

14.8 m/min

0.247 m/sec

hand use. Portland cleared/cleared
cattle grazing

$$Flow = 0.893 \times 0.247 \times 1000 =$$

220.6

m³/sec

(10)

18/10/95

P3

Time

1115

Not flowing

Cond. 1805 u/s.

Depth 2.5 cm.

W 1.3 m.

Land use

~~Road~~ Parkland closed cattle

(11)

Site 52.

NA

Not sampled

A mid

Dried back D = 0.12

No flow.

Cond 1383 u/s

m. St

Pools a bit lower No flow

D = 0.2

No Cond not filled

1255

Site 1

Cond. 4.82 u/s

Depth at site 0.23 m.

Sampled 130 m sft of fence
in ridge pool

(12)

Site 2 NW of fence
flow along track to NW

Cond 2.37 m/s
1.5 l/sec

Site 3 SW of fence
not filtered
Cond 7.44 m/s

Site 4 NW of fence D = 10 mm
behind pool
No flow
Cond 4.10 m/s

(13)

18/10/95

Site 5
Cond 5.44

D = 0.08
No flow

1 m/s

Water Clifton
4.32

34.6 m/s

(14)

P10 P10
P10u P10u
P10us P10us
P9 P9
P3 P3
C C
5 5
M M
1 1
2 2
3 3
4 4
A A
6 6

14.

~~325~~ 325 7767
Petrina.

(15)

Koongarra

11 x 120 ml Samples

17 x 250 ml Samples

(16)

Arr fare		Cash	1/159
24/10/ Boardwalk Cafe Bfst	\$5.50		
Big W T Lams	13.57		
19/10 Red Crab Grill Dinner	\$19.50		
24/10 Watch	1	187.56	
24/10 Monophas Cafe Dinner	13.90		
24/10 Watch 40.50 film 31.35		71.75	
24/10 Pencil, pens	\$9.15		
24/10 Big W Bellies Tels	27	\$29.98	
24/10 Kine	50.00		
19/10 Taxi	10.00		
19/10 Road & Marks	15.50		
Food	6.00		

Arr fare	589
Ins	81
Alcom	336
Drunk 5, 15, 15	1265
	200
	1465
	30
	50
	50
	1565

(17)

In Cairns

Bag

4 Tapes

4 Belts

2 Film 36 x Print

Thin line

Propeller pencils

back of Jungle Boots + trousers

w/Proof matches

Contact glue for telescope lens

Shampoo

700	2900
56	11
4500	3300
1600	1600
2900	1700
	900
2000	800

(18)

19/10/95

0600 Typed less speech
 0515 to WLC for Scope put
 0545 Last CPs & onto airport
 0630 Airport book in & wait
 0730 Flight 082 to Adelaide + Bus.
 Old + new
 1820 Flight 134 to Cins.
 2050. 11 Centre hotel.

Room had 1 Bt + Sofa.

Left too unwell to accept.

Given additional room

Agg Aguel to pay 70-75 / night ea.

\$150 for me paid 336
 150 G
 150 10
 150 S
 450

Stewart owes them 114

owes me. 186

Food + drinks \$9.00

Taxi cost 9.80

Dinner 19.80

Drinks 6.50

\$45.10

336
112

168 306.

(19)

20/10/95

0745 unpack.
 0820 D'Lesb. on the Pier \$5.30
 1000 At Hotel
 1145 to Shops.
 1400 Air Nuygai
 1530 King \$50. Transp @ \$230
 1700 Pilot + Dinner
 2030 Hotel. - 26 am
 2230 Called Conn. on.
 2330 Bu.

Hotel \$157 Taxi

(20)

21/10/95

0430 Packed up 1 Vibramycin

0530 Turn (SH Pair) w/ milk

0630 Wine 19.00 9.50 each

Weld 157.00

Feed 86.00

0700 Boiled fuel plane to May

0930 MT Hagen

1130 Dash 8. to Tabuket

1300. ~~Heli~~ to Obo -

MBA Twin offer to Obo

(21)

21/10/95

At Mt Hagen airport

flock of 80-100 Waders

flushed from grass of airstrip
by Dash 8.Small bill, uniform grey
- brown above inc hump.

1130 Depart on Dash 8 to Tabuket

1330 Tabuket

1340 to Obo in Twin Otter

1430 obo

unbed & to WU.

Ron skipper

Bob engineer

Ian Radar

Marshall Lee

Shane Swales

Monika

(22)

24/10/95

SACI 1 off.
Striped Heron
Little Egret

SAH WK MLee

(23)

21/10/95

16000 Doves Run
Gull foraging on shore
Booby O/A being harassed by
Western Swall.

Gull 1.1

Dart

Whist 2.01.2

Whit Bellied Sea Eagle 1.1

0

River is very high and flowing at 4km.
Weather 28-30°C some cloud but good
light - pleasant

Maggie geese in a lily pond at edge of R.
took a lot of clapping to make it fly.
Lilies in full flower

Tocant 2. 2.2

Dart 1.1.1

LBC 1. in tree

LBC 1. in tree
clamorous need warblers

(24)

22/10/95

0645 Breakfast

Program

22/10 Darwinburg & Pangua
 23/10 Pangua & Deep Creek
 23/10 ~~Deep Creek~~
 24/10 Ambrose

(25)

22/10/95

0815 Survey to Darwinburg

Golden Headed Cuckoo 1.1.1

Jacana 1.1.

L.P.C. 1.

L.B.C. 2

Reed Warbler 1.

Magpie Goose 1 flying

White Shouldered Fairy Wren Displayed

Green Pygmy Goose flying

Dart 4. Roosting in trees

Intermediate Egret feeds in lagoon

Pied Heron roosting in trees

Heron - Could be seen

Green Heron (Spotted) on Swamp

Rufous Whiskered Duck 2.50

Spotted Wh Duck 3.

Royal Spoonbill 33

Int'l 80% of eggs

Green Pygmy Goose ♀

(26)

22/10/95

Photos of my gods when Whirls Duck
were feeding 19-23

Green Pigeon Goose 180-20

L10c in a tree 50

Crimson Finch Grey bird

Red Warbler at entrance (again)

Dotted Bird - in tree at water
edge.

(27)

22/10/95

1330 to Pangua.

cut through bend along channel

Grt E. 1. 1. 1. 2

Int E. 3.

1

Dart

Tacana

L10c

L10c.

Green Pigeon Goose 800-1000

Whist

Whistling Kite

For. Eagle

Henr

W. Pel.

1830 Arrived back at OBO WV just pulling
out. Dropped off. Guide & back to boat.

1930 Dinner

Wood Sandpiper 3 on log.

(28)

22/10/95

For Eastern Heron - Male is distinctive
from Swamp Heron. insofar as the
Pale underwing with black fingers. above
is a Pale window in 1° 1-5

Rump is pale. tail almost uniform

Swamp Heron Adult has uniform upwing
and pronounced pale rump

Tail barred

Pale rump

① Swamp Heron

② Swamp Heron imm



uniform above.

Pale window underwing at
base of 1° 6-10

③ For Eastern Heron Pale ♀ - heavily barred
tail Pale iris

④ FEH ♂ Dark Pale upwing

(29)

22/10/95

Intermediate Egret & Great Egret

IntE. dominated counts around Dorembu
& Pongua. Often found in groups up to 20-40
feeding in clumps of grass. Or at the
water's edge singly. Often in the company
of GRE but these rarely in more than
2-3. IntEs very common.

Can be id by black of gape behind eye.
- it looks round & makes the whole
head appear rounder.

② Smaller - in flight

& standing. 80% of GRE.

③ Faster flight & wing beat.

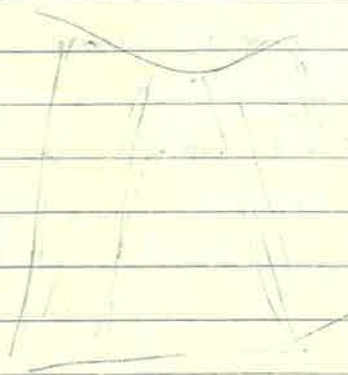
(30)

22/10/95

Little Grebe + Australasian Grebe

Little Grebe - Dark red iris

Aust. Grebe - Pale iris



(31)

22/10/95

Whistle Ducks

Mostly Rufous Whistle Duck (Wandering)
 flushed from extensive lily pads. (in flower)
 There is no evidence of grazing on the
 lily. Up to 450. Rufous W. Duck
 in one flock. A few Spotted W. Duck.

Rufous W. Duck - white V. rump.

(32)

Whiskered Tern - White Winged Black Tern
 when dark the WWB Tern has completely black
 underparts, head, neck underwing.

Whist has grey under white cheeks black
 mantle.

Both have reddish bills

Non breeding - black bills - both

Whist. black nape merges with grey back

(33)

22/10/95

(old) Komabai Village on southern side
 of Pangua 7° 31' 48" S
 141° 13' 00".

Dollar Birds - observed at edge of village
 A small burnt area adjacent to the village held a
 number of greater coucals - distinctive voice as
 per field guide. but birds appeared to have
 bronze or brownish upper wing & back.

Walked for a few hundred metres & returned
 to boat. Women skinning deer had gone.
 Bashed back out to centre - lots of
 Green Pigeon species.

Counted 600 from a small island (Vantage point).
 Could have been up to 1000.

Returned to OBO + Western Vantage at
 about 1815.

(34)

(35)

23/0/95

Brants

None black

0810

0810 At 080 Pick up Brants

2 Eggs on shore

Blackish bill Yellow face

Black legs

Colled as little

0920 Back at W.V. at

up stream

in a tree on r edge

Int 60

Life 3

Rn 1

(36)

23/10/95

1114

Umgoya. Wildfowl

1000 - 1500 ft. Pigeon

in a sheltered pool with very
deep Chora like weed on bed.
then a channel to continue with
Photo 35 36 37 of Geese.

Maggie Goose 1. 3.

Apt. 1

Whist Common

Jacana Common

(37)

1200 at a point South of
Valeris Lake. 72.5 x 22

Photo of Best Quamelouku

Lund.

1350 Upriver to Vavara Vavara
Lagoon.

Com. 1. 2. 2 One bird on
log in centre of lake flew off to be
joined by another. Flight back
inwards. as very erratic as a pair
seemed to want to alight on water.
Then flicked together as if copin
& fell into water. Then flew
off.

Tattler 2.

(38)

23/10/95

Continued upstream checking oxbow route

Then returned to WV

1715 at WV. Unload WV to OBO

Spent time observing from deck

1743 At OBO - O/N.

(39)

23/10/95

John is the station organiser at OBO Mainline

Contact with passing ships WV & OK Tedi

Brento speared a croc last night 15-18" across

belly, but it escaped. Winston to go hunting

night after next. They spend all night out

We used a 15' Pont with 25HP Yamaha. Very

rough edging - extremely - OK once cruising

Winston to count jacanas

spoonbills

ibis

6 Transects

Pygmy geese 6 Transects

Darters 6 transect

(40)

24/10/95

(41)

24/10/95

0860

Creek to Ambury Lake

Run 1

Tawny greenbird - bigger than little
white eyebrow
No streaking underneath

Aust. class. B. (2) Pale iris
bill spot Deep breeding color
A. P. 2
Dart common

hmd.

1300 Back to Ambury secret poles
A. P. 1
Cems.

After lunch boated to first lagoon
 + sea to consist + wide. Salt has been
 10 mins while nothing happened. Finally
 Took off to get 3 poles from a bamboo
 market. Collected 3 already cut + made
 way to Sukki. Village along narrow
 trail choked with weed. Poles along
 quite well + got them quickly into
 my large bag + lots of fish.

Checked out birds. Nothing unusual.

Back to first lagoon.

Sea Lt. Pygmy G.

2. Gygis + 2

Pink 20

Dark 1

Photos. of Tom Loderich + Steve

under with fishing gear

Collected 6 nets 3 x 2 1/2" 3 x 3"

Caught Cal fish 3

Ox eye Herring 10"

Sardines (fish)

Sword (Saw) Fish Toon fish

Sand eel in shore

Big Herring - genetics study -

Sea Mullet

Pulled 6 nets then returned to
 boat at 1630

(44)

0920 - 1500

16

$7\frac{1}{2}$

- 2

$5\frac{1}{2}$ hrs.

14 + transects.

330

23 min / trans

32

46

46

506 min

+ 180

686

12 hrs.

(45)

25/10/75

T10

0922

080

Plot

Coll.

544

Wk

Ct

Some cloud + haze

Direct to T1

Summary 14.4.9 by 14.4.9

Circ 22

Check T1 - T4 + Back

Is Obs to Refuel at 1140

Took 400 l pumped with
electric fuel pump

There are only $7\frac{1}{2}$ drums

We need 16 drums for the survey

we have 17 $\frac{1}{2}$

(476)

25/10/95

T 1 0922
0940

2

3

→ 4 Refused

T 5 1248 1308 No life?

T 5 → 1334

T 6 1336 1356

T 7 1359 1420 Wdrn

T 8 1421 1438

T 9 1442 1454 Touch Sat

Refused. Too late

T 10 1537

T 10. 1546 1602

T 11 1605 1620

T 12 1622 1638

T 13 1640 1658

OBO.

1715 off.

Total 383

(477)

26/10/95

5/10 0803
Total 0808

T 14 0816 0831 for egg

T 15 0833 0850 1/2 fresh birds

T 16 0852 0909 Better good for

T 17 0911 0931 Good

T 18 0933 0953 Good

T 19 0956 1015

T 20 1018 1036 Good

Refused 2 down at Mander cotton field

T 21 1141 1157

1207-1330 WV for work (work evening)

T 22 1336 1555 15

T 23 1357 1410 13

T 24 1412 1423

T 25 1425 1439 16

T 26 1441 1454 15

T 27 1456 1509 15

T 28 1511 1523 14

T 29 1525 1537 14

Refused

(48)

(49)

26/10/95

1604 ship 2 drums in

T 30 1606 1635

AT Warkwa Ventura near entrance to Pangua

1650 off.

(50)

(51)

26/10/95

Photos showing drainage by swamps
into river with clear black
water into forested gully.

Also. Manda 31

31-36. Photos of R. nH of Pangha
Em. route to T22

(52)

Complete Counts 27/10/95

Kai Pao (20)	1046
Kongun (21-22)	1109
Bai (23-24-25)	1128
Ambu (26-28)	1152
Davumbur 29-31	1338
Ambura	1358
080 1 Down (13-24)	1105
To Tobubil	1120

At WV at 1200 for lunch

Completed surveys of Davumbur
+ Ambura + back to Obo

Refuelled 200 litres

Returned to Tobubil. Arranged
high spoke to Kenneth + Thomas

On to lodge - Shower + Dress

Dinner at 6.30

Completed deba transcriptions

10.30 Bed

583332

(53)

27/10/95

0600 Show Pech

L528

0811 Startup

24

0814 T Lead

0830 T 30

T 31 0830 0840

T 32 0842 0853

T 33 0855 0905

T 34 0910 0922

T 35 0929 0941

T 36 0944 0956

16.17 Photos of Land Plain

18 transcriptions of deba + Pil-Pit

19 Oxbow

Manda 1007

(54)

28/10/45

0500 Packed

0600 Kenneth accompanied us to airport

0715 Dashed to Moresby

0815 Moresby + checked into
international airport.

1115 F28 to Cairns

(55)

Sylvester malkus

Wanda VILLAGE FLY RIVER

NAME:

CLANDA · S

PARASIA ·

CAMMELA ·

(56)

(57)

2/11/95

9:30 Ralph talked at work
I said I would call
back

1500 Called Ralph 10-15 min

2000 Ralph spoke to Jim some
mostly waffle

2100 Called Ralph 50 min
he repeated things we went
thru when he was here.
50 min - could have been
15 min

(58)

(59)

15/12/95

0615 low water

on 20 Island Pt

0910 DEPTH gauge + 0.31

Strong ~~gale~~ NE breeze. Sunny

Calibrated at 36.0 (Read 34.8)

Site	Time	Depth	W	°C
1 Colony	0925	0.1	34.7	25.4
		0.2	"	"
		0.4		
		0.6		
		0.8	N	V

0	0932	0.1	35.0	25.2
		0.2	34.9	25.3
		0.4	34.7	25.3
		↓		
		1.8	34.7	25.3
		2.0	34.6	25.2

(60)

15/12/95

Stn	Time	D	‰	°C
2	0945	0.1	34.8	25.7
		0.2	34.8	25.7
		0.4	↓	↓
		0.6	↓	↓
		0.8	↓	↓

3	1001	0.1	34.7	25.7
		0.2		
		0.4	34.8	25.6
		0.6	34.7	25.7
		1.2	34.6	25.7
		1.6	34.5	25.7

(61)

Stn	Time	D	‰	°C
4	1008	0.1	34.5	25.3
		0.2		
		0.4	34.4	
		↓	↓	↓
		1.6	34.4	25.3

5	1015	0.1	35.3	25.4
			34.1	↓
		1.6	34.1	25.4

6	1022	0.1	34.1	25.7
---	------	-----	------	------

		1.0	34.0	25.7
7	1029	0.1	34.1	25.7

		0.8	34.0	25.7
--	--	-----	------	------

(62)

15/12/98

Sho	Time	D	Humidity	OC
00	1055	0.1	25.4	26.7
		0.2	30.4	27.0
		0.4	32.1	26.9
		0.6	32.9	26.7
		0.8	33.0	26.7
		1.0	33.4	26.5
		1.2	33.4	26.5

At Sho 0.5 km

measured salinity 2.49‰ - 3.39‰

Dried in distilled water

Measured 2.0‰ standard

Read 2.01‰

Cor.

Measured 369 std.

Read 36.5

Sund at the Delta. APal. 4

Shel. 6

(63)

High tide & strong wind

APal. 4
Shel. 6
Sund 3

Calculated unit on 2.0 g

measured 36.0 std.

Read 35.0 g

Continued at 0.5

(64)

15/12/95

Site Time D % α 0:

0.5	1055	0.1	3.12	27.1	
		2	3.14	27.1	
		4	18.4	26.9	
		6	28.4	27.0	
		8	31.2	27.1	
		1.0	31.4	27.0	
		1.2	31.5	27.0	
		1.3	31.6	26.9	

1.0	1102	0.1	3.23	26.9	
		0.2	3.36	26.9	
		4	3.18	27.0	(checked)
		6	21.6	27.0	
		0.8	31.5	27.0	

(65)

15/12/95

0.2

1.5	1108	0.1	3.51	26.8	
		2	3.48	26.9	
		4	3.57	26.9	
		6	6.84	26.5	
		8	28.8	26.7	
		1.0	31.2	26.7	
		1.2	31.3	26.7	
		1.4	31.7	26.7	

1.8	1115	0.1	3.54	27.1 26.7	63.6
		2	3.54	27.1	63.4
		4	3.52	27.0	63.2
		6	9.30	26.5	57.0 57.0
		8	10.52	26.6	56.6
		1.0	30.7	26.7	48.4 50.4
		1.2	31.5	26.7	44.0 51.1
		1.4	31.7	26.7	44.5 51.2
		1.6			45.8 51.7
		2.0	31.9	26.7	47.8 54.6 55.8

(66)

15/12

	D	%	c	O ²
2.0	1134	0.1	3.24	26.9
		2	3.24	26.9
		4	3.2	26.7
		6	3.46	26.6
		8	2.5	26.5
		1.0	29.5	26.6
		1.2	31.5	26.7
		1.4	31.6	26.7
2.1	1140	0.1	3.21	26.8
		2	3.11	26.7
		4	3.11	26.8
		6	3.13	26.8
		8	23.0	26.5
		1.0	30.5	26.6
		1.2	31.3	26.6
		1.4	31.5	26.7
		1.6	"	"
		1.8	"	"

(67)

	Trm	D	%	c	O ²
2.1	1147	2.0	31.5	26.7	39
	↓				↓
	3.0		31.5	26.7	38.9
2.3	1150	0.1	2.59	27.4	55.9
			2.63	27.3	
			2.66	27.2	
		0.6	3.27	26.8	42.
		0.8	19.9	26.5	37.5 N/S
		1.0	30.1	26.6	34.7 N/S
		1.2	31.0	26.7	36.0 N/S
		1.4	31.2	26.7	41.5
		1.6	30.9	26.7	41.3
		1.8	31.3	26.7	42.1
		2.0	31.3	26.7	42.5
		2.2	31.4	26.7	43.7
		2.4	31.5	26.7	43.7

(68)

12/5/95

Night Change

Site Time Depth O₂ ‰ °C

2-5	1201	0.1	-	20.25	27.01
		2		20.26	
		4		20.29	26.9
		6		20.32	26.8
		8		18.0	26.5
		1-0		27.5	26.6
		2		29.4	26.6
		4		30.8	26.6
		1-6		31.0	26.6

2-8	1208	0.1	51.9	10.69	27.0
		2	52.0	10.67	27.1
		4	50.0	10.79	26.8
		6	48.7	20.1	26.6
		8	34.5	210.6	26.3
		1-0	33.9	27.0	26.3
		1-2	35.7	28.9	26.3
		1-4	36.	29.5	
		1-6	37.4	30.1	

15/10/95

(69)

2-8	1208	1-8	30.41.6	30.7	26.4
		2-0	41.6	31.1	26.5
		2-2	31.2		
		2-4	43.8	31.5	26.5
		2-6	43.8	31.5	26.5
		3-4	40.6	31.5	26.5
		3-8	40.6	31.5	26.5

3-0	1221	0.1	11.61	56.3/0.61	27.3
		2		1.61	27.5
		4		1.60	27.0
		6		1.98	26.7
		8		12	26.5
		1-0		25.6	26.3
		1-2		28.3	26.3
		1-4		29.1	26.3

(70)

18/12/2015

Site	Time	D	Q ⁺	Q ₁₀₀	OC
3.3	1228	0.1	55.7	1.47	26.7
		2			
		4	54.5	1.48	26.8
		6	54.9	1.49	26.7
		8	53.3	2.50	26.5
		1.0	35	2.2	26.2
		1.2	32.4	27.5	26.1
		1.4	34.1	29.0	26.1
		1.6	35.3	29.5	26.1
		1.8	36.9	30.2	26.1
3.5	1234	0.1	1.	1.42	26.9
		2		1.43	
		4		1.46	
		6		1.47	26.8
		8		1.49	
		1.0		25.0	26.1
		1.1		27.3	26.0
		1.2		29.4	26.1
		1.4		29.3	26.7

(71)

Site	Time	D	Q ⁺	Q ₁₀₀	OC
4.0	1340	0.1		21.8	27.2
		2		25.3	27.2
		4			
4.0	1240	0.1		871	27.5
		2		870	"
		4		"	"
		6		875	27.4
		8		975	27.0
		1.0		214	26.1
		1.2		26	25.9
		1.4		26.7	25.9
		1.6		27.2	25.8
		1.8		27.5	25.7
		2.0		27.7	25.7
		2.2		27.8	25.7

72

15/12/95

Site	Date	T	σ	d_b	σ_c
4-3	1250	0-1	70.6	565	27.6
		2	70.4	561	27.6
		4	69.4	556	27.6
		6	69.1	554	"
		8	69.1	573	"
		1.0	75.1 42.2	17	26.4
		1.2	44.8 22.9	23.9	26
		1.4	19.4	26.3	25.8
		1.6	19.4	26.4	25.7
		1.8	19.1	26.5	25.1
		2.0	19.3	26.7	"
		2.2	19.1	26.8	
		2.4	18.4	26.9	"

Depth at first Box 69cm

73

	σ	d_b	σ_c
1307	0.1	76.2	307 28.5
4-8		74.5	304 28.3
		73.4	302 28.2
		70.7	301 28.0
		69.1	306 27.8
1.0		65.3	306 27.5
1.2		61.0	304 27.5
1.4		66.4	29.56 26.9
1.6		63.0	6.57 26.5
1.8		22.6	11.51 26.3
2.0		20.4	12.17 26.2
2.2		17.1	12.55 26.1
5.5	1320	0.1	58.3 291 27.3

3.6 50.6 3029 26.5

(74)

Reps at 6.5 Blue top Both sides
 7.0 Red top Both sides
 7.5 NBS No top
 8.0 too shallow

all 33.4
 2 33.3
 4 33.4
 6 33.4
 007 33.2

Fish trap

1445

(75)

Checked in 36.0

Good 34.99₁₀₀

in 2.0 Standard

Good 1.99₁₀₀

Depth 4K 1501 = 0.32

(76)

Creevy 15/12/95

1540

Gull 4.4.82.12

Red 4.6.61.1.3.2.2

Shel. 140.40.12.40

Swan 6.2.2

Rel. 1.6

Gank 2.3.2

Sig 2.5.40

GTE 1.1.

UTN 1.1.1.2

LITE 7 hunting on flooded tracks

Red. Count 1

(77)

(78)

oil
unseen oil

down

(79)

Take samples from leg
Measure salinity at 10 + 20 cm

John Dorlandt assessment

(80)

2004 01 02 2 31 2004

2004 01 02 2 31 2004

(81)

28/12/95

0415 to Nasee

0620 Wonnamp E

WE 363 95

~~WE~~ VE 363 95

VW 363 95

WW 363 95

SL 363 95

WE 363 95 Downloaded

0700 Depth 70cm at Post
Reset at 15 + 1 hour. 364 000
6.54 volts

VE 363
100 fath
6417 Bgls
39522
6.39 Volts
1.12 m exposed part.

82

Copied. VE + WE to Disk
NE 36395

234	312
244	-118
254	+144
264	72
274	153
284	270
294	369
304	556
314	440
324	354
334	326
344	144
354	141
364	179

83

143 V4) 36395

VW WYMA Sewage Site

0930

Drilled

1.23 m exposed

6431? Byla

Vasse Gobs at 1010
= 0.27

Water is trickling out to sea
Nothing open.

Wonnep gobs

0.10 1015

(84)

W W 36395

Wannerup Wnt.

1030.

39821?

6431 Byles

6054 volts

(85)

SL 36395

6.31 volts

$\rightarrow$ 0.36 1120

Copied all files L.A. Pri

Tunnel House 1155

Very hard to read

0.29?

(86)

29/12/95

Boundary Isd.

Crang. Lagoon

0745 Work

0820 to Mandurah Commadore

+ Survey.

0955 at Marina beach

Boundary Isd. 1020

220 Adel. on beach.

many with color.

No sign of breeding on Isd.

(87)

Crang. Lagoon

29/12/95

Water level very low.

1100

Shel. 260

PABD 20

LITE 4

SACI 4

GrTE 1

GYM. 6

Sigl 10

Fort-Curtis 4

No flocks of waders. Walked to
Point opposite Island & Deeped
agoon. No skilts

Did not walk into romphine

1230 At-Morning

loaded boat & off to work

1500 off.

(184)

Dr		
Debt	200	300
HL	310	760
Costs	760	28
	<u>\$1470</u>	

(185)

10000	3300
	500
3500	<u>2000</u>
4500	5800
300	
<u>450</u>	
18750	
5800	
<u>12950</u>	

186

Need for Dickie trip

1 Pair loose shorts Casual

1 Pair belted shorts - Survey, Piller

1 long sleeved w/shirt Survey

3 Tee shirts - Dick

1 long trousers - Survey

3 Ties

6 Belts

4 Socks

1 Good trousers

2 Good shirts

187

188

307 22-08 Lada Niva

Wula Nwa

307 2208

307 2208 Lada Nwa

881