

Jim Lane's Field Notebooks Index Contd.

(Revised Index of 11/5/2014)

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

TO BE CONTINUED

Jim Lane's Field Notebooks Index

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<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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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	⁰⁸ (03-07-94 / 02-09-94)
JL_(1992 on)_10	10	(02-09-94 / 17-11-94)
JL_(1992 on)_11	11	(22-11-94 / 9-03-95)
JL_(1992 on)_12	12	Jan ¹⁹⁹⁵ + (15-03-95 / 01-04-95)
JL_(1992 on)_13	13	(02-04-95 / 07-04-95)
JL_(1992 on)_14	14	(07-04-95 / 29-04-95)

Nº 18

18.40
18.00



NOTE BOOK

No. 561

19 JUN 2 96 → 3 AUG 96

Yedjegayge Cleggen → Glenblowie Hotel 19/6/69 1
19/6/69 Contd.

Spent this night at 1238 km on
Wed 19/6/69. About to leave
Yedjegayge Cleggen for Glenblowie
Hotel.

Odometre

0.0 km (107.0 km) where track hits road

Y. Cleggen fence (not finished) on N/E side.

0.4 km outflow channel (dry)

of Y. Cleggen, heading N/E to

W. Creek. Promised

(5-6 m wide and 0.3-0.4 m deep)

1.35 - Cross W. Creek.

1.65 - " " again

(now on breast side)

3.8 (105.2) beginning of 30 m long
stretch

②
Yodjigge Cleyper -> Glenflossie Hstd. 19/6/96

5.1 km (10.9) - gateway.

6.1 km from the creek

7.2 had lunch in shade of tree
in minor creek crossing track.

13.0 (94.0) Tent on W side (Toni's Well?)

This Tent is DRY.

17.6 (89.4) reached main track in
from NW Coastal Hwy to Glenflossie Hstd.
Turn right towards " " "

24.7 km Sign saying "Deer Dead"

25.1 open gate

35.0 sign to Glenflossie - track works

37.1 gateway

38.3 signs outlined over wide area
to S of track

39.3 gateway

c 39.7 Glenflossie Hstd.

+ Susan
Peter Grey, brother-in-law, Susan's cousin Kim

19/6/96 (3)

Craig's family owns Thargos (Ketchikan Bay)

42.4 closed gate (white weldmark)

43.6 coxys gate on fence on right. Take this track to right (thorn gate)

58.7 Trade off to right.

59.5 Forks and Telecomm sign
Inn built.

60.4 take back off to right (if 58.7)

65.0 up Kookaburri Cr to 23° 05' S
turn back - no back to Edenburg
5.05 pm.

66.7 5.43 μm - out of inner bed!

69.5 back to main track (58.7)

84.5 Crosby gate. down left

85-7 closed book - white well done h.

1

1

五

0

1

100

100

0-05 — Glenfries Boneduck — 6-28 pm.

(4)

Glenflovie Str → Nantreave

19/6/86

(double)

51.5k closed gate -

presumably Glenflovie Boundary.

~~72.5~~ 72.1 track off to left.

72.5 closed gate

77.1 road in from left. My
road curved to right.

86.8 double gate - closed.

87.1 NW road 11km - sign
"Glenflovie 88"

Reached Nantreave Roadhouse

(Tan Fard - ex Llan Bn) at

approx 8.20 pm. (2 hrs 20 min
from Glenflovie 100m track.)

Jan 18+19/6/96

19/6/96

(5)

Summary of Tedjigage Claypan bird info. (all species seen inside area of fence being erected)

The most abundant species at the claypan were Brown Songbirds (also very noisy), White-plumed Honeyeaters, both found mainly in the Eucalypts.

- (W) Emu — 3 inside fenced area. + birds in claypan
- (W) Australasian Grebe — 1 in large pool on W side
- (W) ~~Pieris~~ Black Duck — 10-20 scattered on pools
- (W) Grey Teal — c 60 mainly on large pool
- ~~Heard~~
- (W) Merganser Duck — 18 " " "
- (W) White-faced Heron — c 15 "
- (W) Yellow-b. Spoonbill — 1 in large pool on W side
- Australian Bustard — 6 within fenced area.

8511

(6)

18+19/6/86

Y. Claypan bird summary could

nest with 1 egg

in large pool area

* (W) Red-breasted Sittell — 3 seen, estimate 5

in lagoon on W side

(W) Black-fronted Noddy — saw 3, estimate 5

(W) Whistling Side — 1 seen twice over claypan

Brown Falcon — 1 seen in fenced area.

(W) Diamond Dove — scattered thru claypan in low numbers.

Galah — flock of 11 flew over claypan
flock of 70 in fenced area

(W) Little Corella — 2 flocks of 15 + 20 in claypan

(W) Bridget — several flocks of 10-20 in claypan

2 Pallid Cuckoo — one heard occasionally

(W) Striped Pardalote — 2 seen in coolibah

(W) Redthroat — 1 ♂ seen in claypan

(W) Singing Honeyeater — 2 seen — 1 in claypan
1 in fenced area

(W) White-plumed Honeyeater — numerous, in Coolibah
not in claypan.

Charming Wedgebill — several heard

White-browed Warbler — 2-5 seen on several
occasions in fenced area

(W) Rufous Whistler — 3 seen, no adult ♂

(W) Willie Wagtail — 2 seen — 1 in fenced area
1 over claypan

17 spp

(7)

bird

Yeddyngge Claypin ^{Summery} ~~Contd~~ 18 + 19/6/96

(W) magpie-lark — 2-4 seen in one area

(W) Black-faced Cuckoo-shrike — tens in coolibah and swamp grass

(W) White-winged Tattler — 3-4 seen

(W) Black-faced Woodswallow — 3 in coolibah

Little Crow — 2 seen flying over

(W) Rufous Songbirds — several seen

(W) Brown Songbirds — ^{2m} numerous, very noisy (in Euc.)

* Zebra Finch — several small groups (up to 10 birds) in fenced area

(W) Star Finch — 2♂ seen in coolibah.

9 spp

Grand Total = 34 species of birds

~~Star~~ Species which were definitely using the wetland area (incl coolibah ~~wetland area~~) are marked (W).

3

(8)

Nerutane → Millstream NP Thurs 20/6/96

Camped at Nerutane last night -
good showers - first time I used
new tent. Had breakfast at Fern,
fuelled vehicle and drove to Pannawonica
turnoff. 27 km along this road
took turnoff for 127 km drive to
Millstream. Took a wrong fork left
and ended up at Pannawonica. They
don't have a map in the office!

("all blown away by the cyclone"). Drove
back along between to Millstream turnoff
again. This time took the right fork
and after driving thru' many wet &
muddy patches (+ just cattle) arrived
at Millstream at 1.10 pm. Stopped
next to ^{Deep Reach Pool} ~~Deep Reach Pool~~ to write
notes and have ^{some} lunch.

Millstream NP

Th 20/6/96

9

Heard Darter on arrival

" Little Crow

" Towhee Songster

" Rambro ~~Wren~~ Bee-eater (12/1)

" Magpie Lark.

" Goshawk

Steve — new Ops Officer at
Kimberley

White-plumbed Honeyeater

Butcherbirds

Deep head pool fringed by Taunua sp
and Phragmites + Typha and at least
one other sedge.

Corella heard.

Red-billed Cuckoo heard.

White-bellied
~~W. Warbler~~ Woodswallow

(10)

Millstream NP

Th 20/6/96

on S side of Crossing Pool

Cliff lookout - 3.25 pm

c 150 ^{little} _N Lonelle working in

clearing *Corymbia* *Melaleuca* ($\geq 10m$ high)

on N side of river.

- Plan is to remove ♀ date palms and the
♂♂ that are a fire hazard.

- Plan with Cotton Palms not known (to share)

low waterfall ($\leq 3m$) on N side of
Crossing Pool (strong flow over waterfall
into Xing Pool). Waterfall v. rocky from
cliffs -

Regens Office
Walk

2.5 m Olive
Python on veranda!

Blair - F. Cactus thorn

Mills Creek NP

end 20/6/96

(11)

fire was in Nov 1991

Ranger: Jeff Kregor

Rang
Dangier Salt - left hand side
Office Leone Staude 436840
1.30 pm Friday (10)

Cleaning \$0.80 for 2 phone calls

Crossing back campsite approx 5.30 pm

- set up tent, make dinner.

- saw + heard 2 Blue-winged

Kookaburras in the Casapata at edge of

Xing Pool. Saw 4 magpies on

Snappy Gum Drive.

(12)

Multistreet NP

Start Fri 21 / 6 / 96

Awoke at Xing Pool camp site.

Cry of the - brooklet.

Whiter-browed
- Dabbler "uttering" ?

from high in the Mel. leucodendro.

These cry spots are 20 m or more
high!

- Thornbill high in Enc.

canadensis

- Rufous Whistler ♂ high -

E. canadensis

Note that I am only recording "new" species
for this composite (new for me).

- Little Crow - note call + ceet-hing
call

- a herd of Damae sp at
downstream end of Xing Pool. It

also forages the banks in many places -

Also with Typha sp

(13)

Millstream - Lyndon Pool - Denver 21/6/Contd

Lower than beach in Long Pool
and fish concentrate feed - including
4-5 Fork-tailed Catfish.
Left camp area at 9 am.
- Denver Pigeon on Druggery Gun Drive.

Lyndon Pool - 1220 hrs from 10 am
Bearded Grouper.

Small catfish

Other "grouper" - like fish - some
frequently seen on rock & "plank" salmon.
Many fish but no mummichog like fish
(as seen at Long Pool this AM).

Reached Kenneth's COR office

approx 2:15 pm. 20 mins there, then
to Denver Salt Office - met
biologist Leone Staudle and at

(14)

Dampier Salt Ponds

Fri

21/6/86

3.15 pm we drove out to look at
the salt fields.

Pond 1A 3.25 pm.

Silver Gull

Red & Plover.

~~Red Shill~~

Pond 0

9 Red Shill

20²⁰
1 long billed jaegers - some are B. t. G.

23 Red & Plover

2 G. L.

1. egret ..

Booby

Trachypterus

Caspari Tern

115 Sea Eagle

Red Shill

migr. water

Dengie Saltfields to Kerikeri (Port Hedland)
end Fri 21/6/86

15

Artemia "salina"

grows only to
10 mm

introduced from San Francisco Bay

in c 1974 and c 1982

for controlling algae

survive in 90 ppt.

↑ v. high

Docked at Kerikeri Harbour Hotel
at 5.15 pm.

Sat 22/6/86

Kerikeri
Left Hotel at 6.30 am.

Port Hedland at 9.10 am

Last $\frac{1}{4}$ of gauge gone 64 km at 95-100/kph

(16)

De Long River → Boone Bird Obs. Sep 22/6/96

De Long River at 1015 hr.

Melospiza leucodactyla (adj-esp)
fledge the river, with tall Eucalypto
(E. camaldulensis?) behind.
Good camping site. Photos

Reached Sandpiper again 1 pm - both birds
refuelled - Last dinner 283 hrs
from last refuelling (Pant. Woodland)
without fuel going down to the
true full mark!

Reached Rochester Plains Roadhouse
at 5 pm. Had dinner.

Reached Boone Bird Observatory at
6.20 pm. Took room for \$22.00

Broome → Windjana NP

Sun 23/6/96

(17)

Leave 000 at 7am.

326

7.15 am photos of ... pygmy
(small black head), 1.9 m long
6.7 km from 000. - end of 100 m
film.

$326 + 40 = 366$ km to reach true Fossil
position

9.10 am - stopped on Fyfe R. Duff
& took photos. (Cecropia (M. Cener-
dendri?) are closer (lower) to water edge
than Eucalyptus(?). Scones
of Black Hills & Corralles. Also Whistling
Tide.

Broomie → Windjare AVP 23/6/86
 (18) 200
 + 190 531
 336 + ~~190~~ = 675 km to $\frac{3}{4}$ full.

Ross Mc Gill - Raper & Clape
 Derby.

Rea Walker - Bell Gorge

(Tony Tapper } Windjare
 + Kevin Hughes } + Tunnel Dr.

was at Cape Eggs Nelsonville.

(Geste Gorge comes under Forest Hill
 District of Goss)

Windjare Gorge presence

April → last week October
 (straight after Easter) (roughly)

Windjana NP

Sun 23/6/96

(19)

They come up from NP's -
the south + come north as
soon as best as possible.

Esperance at Interest / LR bridge
Stirling, Walpole, Pemberton, Esperance.

4 "Parkway" areas at Windjana NP
- quiet camping (no generators)
- generator camping
- horse quarters
- dog use
Water very well.

some
No cattle problems - grids
+ fences separate NP from adjacent
pastoral leases. No cattle problems
in NP. Not a fenced boundary.

(20)

Wingana NP

Sun 23/6/96

There are feral cats in the park
- sees 1-2 on every trip in the
park. Shouts them.

Too far north for foxes
Havent seen dingoes

Have heard 1 or 2 dingoes.

No dingoes in company well

Not camel country - no camels.

Donkey problem is much further
north.

Gelland's Crose - from Ald
is in the NP - seeds on banks of
river - bushes are very bad -
dang 50 plants out of shower recess
this morning. Came to NP on
footwear, swags etc. This is
the main problem at Wingana NP.
Can grow easily here but is

Windjana NP

Sun 23/6/96

(21)

flushed observations in wet
season. Cane in canopy
area.

(This was also a canoe in
canopy area at Millstream NP
but Ranger Jeff Kroger has
removed most of it over the
years)

Buggeres with deep buried rubbish
out of ground. Rubbish in
NP is burnt in NP tip.

Aboriginal not as visible at WNP,
few visit. Recent visit/ceremony
to commemorate "Pitjia"

There is a department advice

(22)

Windjana NP

Sun 23/6/96

on aboriginal hunting rights —
they are not to take game from
NPs and NRs.

They are allowed to fish at Coetie
Lagoon but not at Windjana.
Fish are a food source for the
crocodiles.

Tony has seen (& caught & moved)
Sawfish in Windjana Lagoon NP
Donnot discovered it (one fish)
in one small pool. Netted
& moved it to larger pool.

Approx 1.3m in total length

This was approx May 1996

Chelonina, body length ~ 20 cm
are common in the NP

Windjana NP

Sun 23/6/96

23

Short-necked Tortoise

(same as Galah Range sp) is
common in the NP.

Water monitor (lizard) - ^{Tom} his
seen one in the NP.

Can count up to 50 freshwater
crocodiles - up to 1.6 m.

How to get to:

Norby Levers - permanent water

"breeding" area for lizards

cross a creek, keep going down,

Mr Price sign on down ^{on the way} track

go c 5-7 km in, campsite

on Creek, follow creek in to

breeding area. Fossilised fish

in gravel, turn left along creek.

(24)

Wingsana NP

Sun

23/6/96

Start 8 km (4 eel way) walk
at 2.15 pm.

Double-brown Finch

Magnificent.

Large-scale Archerfish Toxotes oligolepis

Photo of "rent-head that has imprinted its
shape in cross section within this reef wall".

- Little Crinoids swimming in lines along banks.
- Freshwater Conoderes swimming in shallow water.
- Night Heron
- Green Gnat (orange bill, yellow eye, green face)
- Shrike head & seen
- Red-bellied Bee-eater heads
- Willie Wagtail

Windyera NP Sun 23/6/96

(25)

~~Figbird~~ Crest Dovebirds

Jer-stinked Dove?

Pardalote (3 not all?)

3.35 pm 1 Crest Dovebird displaying

to another around a house on S
bank of river on sandy area that
would be covered in flood.

- 2 Little Pied Cormorant

- Masked Turt

- Blue-w Kookaburra

- Honeyeater

- Flycatcher (Restless)

- Figbird (♂)

4.13 pm Sunbeetle

- White-eyed Honeyeater

- 2 ~~Grey~~ ^{Grey-browed} ~~Wattlebird~~ ^{Dabbler} about

don't be thing

(26)

Windjana NP

end Sun 23/6/96

- Yellow-bellied Honeyeater
- Present Council.

Back at camp sleep at approx
5.15 pm. Dinner, beds.

Start ~~the~~ Mon 24/6/96

Got up at Windjana NP campsite
at 5.50 am - camp of bees etc.

37 vehicles at WNP campsite
last night! + 3 (4WD) tour groups

Drive to Tunnel Creek NP.

Walked thru to other end & back. Roof
is open $\frac{1}{2}$ way. It only takes 18 mins
to slowly go the whole distance (one way).

Cards

~~John McLaughlin~~

Film

27
Mama D Day

~~Whitely~~

~~BU~~

+ DO

~~Beantown~~

Shift ~~11~~

Regent ✓

~~Adepts~~

~~gas bottle~~

~~light~~

~~Head band~~

~~(rest trip)~~

Metho

~~Sancti pens~~

~~regis / print~~

- ~~problems \$200~~
~~cash from me~~
~~Charmant~~

- ~~shift \$360 from~~
~~Verro Acet on Thurs.~~
~~to my Ben elague acct~~

In the 2nd half of the canoe was
a group of cc 100 Ghost Bats (white
bodies, darker wings, very big light-colored
ears, loud chattering call) on
the roof (approx 15 m high). They
moved around as I put the boat in
them. Used branches with bark to
weed them. Water was over 1.2 m
deep in some parts I weeded them,

(28)

Mon 24/6/96

and there were deeper holes.

Changed clothes on getting back to vehicle & left at 9.15 am.

30.2 km from Tunnel Creek NP

on way to Fitzroy Crossing is a

flooding (creek flooding) with

Typha domingensis on each side.

Took photos - profuse pollen produced.

Typha only went c 30 m on each side. 1013 km.

Last photo of roll is Boab Tree 47.0 km

from Tunnel Creek NP at 1035 km.

Reay Woodstock from Fitzroy Crossing - Claim \$1.00

Reay Woodstock

Paul Hocking - Mobile Reager

Ivan Hughes - Reager based here

Crocker Gorge

Mon 24/6/86 Contd

Arrived at Crocker Gorge NP at
approx 1 pm. Two hour wait for tour
boat to depart.

Boat tour starts 3⁰⁵ pm. Saw
approx 8-10 freshwater crocodiles - not
as many as usual due to slight cloud
cover. 2 bridges on bank.

- Great

- Bare bank on sandy bank
with vegetation - v. similar to
where I found a Great Bowerbird
lower at Windyend.

- several Little Pied Cormorants
along river

- at least 2 Darters.

- Magpie ducks.

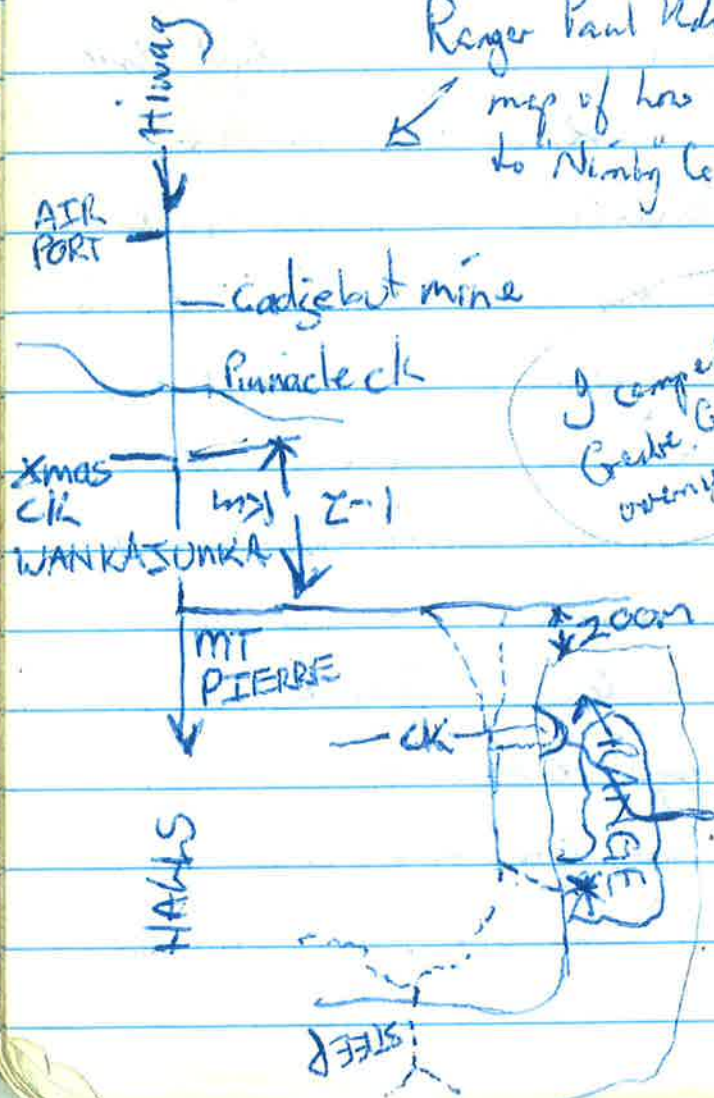
- other bank birds.

(30)

Mon 24/6/96

Need to check what Directory
says about the length of the flying
above Geste Gorge - what
is the distance to the source?

Ranger Paul Kdinga's
map of how to get
to Ninby Gorge.



Tue 25/6/96 (31)



Photocopy & send
to Paul

done 26/6/96

the Directory descriptions
of Gebe, Widgee
and Tinnah Ck.

Drove Gebe Gorge NP to Kinnawarra today.
Vehicle log into "Nimby Caves"

0.0 km left main road

1

5.4 km Fork - took right hand track

5.5 km track to left - I went straight on

6.35 km Fork - turned back

7.2 (5.5) whole track to right (left)

7.4 Fork - I went ~~left~~ right

7.56 reached end of track - then walked

c 400 m to Nimby Caves

(32)

Tues 25/6/96

7.7 (7.4) km
7.9 (~~7.2~~) (7.2) (8.5) turned right
8.0 (~~8.0~~) (8.4)
12.2 (0.0) - back at main road
(Halla Cr - Fitzroy Xing Hwy)
Sign here says Mt Pierre Station
(9.50 am)

Halla Creek for lunch. Rang Colin
Kummore & "Country Club" to book
room for night.

CALL KEN 091 680 200

Gordon Graham 681 889 (home)
"stay at"
Country Club - 681 024
Hotel (Kummore) 76 Cooliban Drive.

\$130 / night.
→ \$50 budget night room

Reached Kummore at 7.45 pm
on Tues 25/6/96

Kinnikinnick

W 26/6/96

33

Vehicle

ELG^{FF}, Toyota: ph 682236

8am — Thursday — 40,000k —
approx 6 hrs for the service.

Notes re 2

Lebe Apple

Mean ~~for~~ ^{*} monitor water level (est. Water
Comp), veg. (transit + satellite),
birds (transit). Chris Dore says
6m added to spillway for hydroelectric
scheme (G. Graham said 10m). Top of
Apple Dam wall is 68m above "original
river level". At "normal full supply level"
Lebe Apple covers an area of approx 740 sq
km, which increases to over 2000 sq km during
maximum flood. Dam wall is 56 km upstream
of diversion dam.

Best map - "Lebe Apple" 1:100,000 PWD, W453375

Original published 1982 - note that

34

Kumura

Wed 26/6/86

"Sounding datum" ~~44~~ (ie 0 m on map)
is 1.23 m below spillway level.
(add c 6 m for revised spillway level
— when?)

Sounding datum is 85.0 m AHD.

Mark Olsen. 680 737

Peter Watts 09 420 2101 ph
(Dams section) 2177 fax

CAIRN Kumura 091 682 179 fax

" " 091 680 200 ph

Old dam well is in Carr Boyd region.

Jenny — — — — — Interpretation officer (K2)

Kunnamore

W 26/6/96 (35) contd

92.0 m AHD is
new height of spillway (verbal)
(within ± 0.1 m)

"Georg" - 227 1919
Mike Somerford

December '94 $\pm$ month.

date spillway.

ETA + Kneft

Beant batter + Satay Sauce

use by date $\leftarrow$ 18/3/87 - don't eat.

Leave Kunnamore at Water Ski Club headquarters
at 5.00 $\rightarrow$ 5.15 pm

1 Pied Heron, 1 Duck σ^7 , 4 Jacana, tortoise
rose, 160 Intermediate(?) Great blue heron
in one flock, White-browed Cuckoo at edge
of Tropicana

(36)

Hummer

W 26/6/96 cont.

20 | Fri 4.45 pm Guffy Club 0200
20 | Guffy \$30 — 2000 hours.

Summary re 26/6.

Spent the day at the C&M
office and around town (Hummer)

Obtained graphs of water level
data for Lake Agassiz.

At 3.30 pm went for drive
thru the Petoskey area. Now
growing burdock, sugar cane,
mangoes, hay.

At 5.30 pm met Custer John and
Russell Guffy for a drink.

Hamburger dinner at 7.30 pm.

Shower. Worked on notebooks.

To Do Th 27/6

Ring Mr. re Director. Shift ~~\$\$\$~~ 360
 Cash for me (Student). Give St. tree?
 Film (100 ASA). Vehicle serviced
 at 8 am. Clerk.

Peter Clew

- Rights in Water & River Act, 1914
- State Reference Network (sites in Wensley)
- 33 stream gauging sites. 40 Rainfall.
- c10 in the Ord catchment - all upstream
 of Lake Ogyle.
- build a picture of flow + level + chemistry
 history of both lakes.
- 24 million tonnes per annum of
 silt going into Lake Ogyle - 80%
 from the gullies.

(38)

Kannur

Fri 28/6/96

- 30% of offshore storage will be lost in 100 yrs.

Fri - 7.30 am start at court office

TO DO: Pay memberships - post
Film?, Reg Direct, travel claim.

Tricia --
Andrew Gray N Paul Novelli

Peter McCosker, 10 am, K Devl Comm.

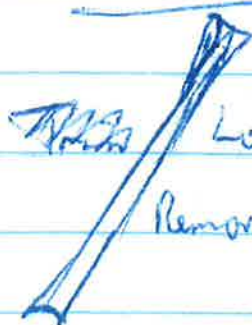
* Copy of Rose I Report to Paul Novelli.

Peter McCosker "Ord Project Coordinator"
of "Ord Development Council"

Kinnaman

Fri 28/6/96

(39)



Lop: \$145

Remove: \$340

Quotes for
tree logging
or removal

at Corrie St.
Cottershoe

~~Notes~~

Discussion: Henry & Pinner

087 521977

Tom McElphlin

Book:

Mon 8am Slingshot

→ Henry at 7.45am.

Course 210

with door (not hand) off.

G.G. gave LEO No.

Sat:

↑ open



PM back home?

→ Rhy 10th maddy.

Sun:

↑



Like Huggle

Mon sat: Light

PM: chicken

40

Unit 1 C8

Lot ~~699~~ ⁶⁹⁹ Ironwood Ave

→ Wheeler Painted Rd.

- 2 by mango trees.

- 4 ~~pm~~
pm

Location of Reg + Ernie Dineen's
house

Sat 29/6/96

8am Marilyn Billabong (Pony Lyons NR)

with Doug Withins + Kym Brennan.

Ans Goshie

Shelduck

Headhead

Tecana

Whistle Duck

Black F Plover

Green Pigeon

Wandering Tattler

Egret.

Duck.

Cook

Black Duck.

WF Heron

Pacific Wren

Pang Lagoon Nature Reserve Sat 29/6/96 under. (41)

- *Nymphaea violacea*? (Photo)
in flower
- *Excoecaria parviflora* "Butterperch"
- Redwinged Blackbird
- Red-backed Kingfisher
- Whistling Teal
- Magpie Goose
- Little Grebe
- Booby in the tree
- Cuckoo Shrike
- Flycatcher
- Rainbow Bee Eater
- Flycatcher
- Magpie Lark

Finish 8.50 am at Martyn Billabong
Drove to other parts of Pang Lagoon N.R.
Photo of Eleocharis

(42)
Pangloss NR

Sat 29/6/96

1017 hrs

Nearly dry "claypan" with 1 Pelican,
c30 Ash-throated Petrels, Murrelets

1100 hrs - 219851 grid ref.

c400 Boobies, 2 Gulls, c10
A. Petrels

1 Whiskered - 25ASA photos

Blue Wile

Wynham for lunch

Pangloss Active Reserve again. 04271 082774

2.35 pm Claypan next to new power line

c50 Boobies c80 Snow-n Ibis

3 Pacific Heron, 2 Sooty Ibis

1 Whiskered Wile, 2 Brown Pelicans

Blue Ecker c20 Petrels

Maggie Lark 3 Gulls

2 gulls o'head.

This "claypan" is covered by water to

Pangloss / Old River Sat 29/6/96

2 shallow ditches, and Eleocharis
(see photos). Fenced by "Gutter Percha"

Also has dead stands of Sesbania
canadensis(?) (Fabaceae) to 3m.

mouth of Wild Goose Creek.

4.10 pm Old River - 325820 just up.

1 Pleasant Creek

5 Agile Wallabies

2 Brushtails

in grass on N side
of river itself.

Seven-spotted Rockhopper.

2 Masked Larks.

Typical dampness clump along the river

1 Eucalypt (probably Selby)

4.24 pm. (end)

Chirped Goose Bird

Back at Khumma at 6.30 pm

Dinner at 2

Mulla Cat via B.

(Rickett W.)

(44)

8

Sun 30/6/96

Lake Craggle boat trip with Gordon
Gordon, Dory Westomb, Kym Brennan

~~89.86~~

1025 hrs start time

Current water level

~~89.86~~ is 89.86 AMD

("Sandy Detour" - 85.00 m AMD)

Current water level = 89.86 above

sandy detour; 3.63 above

old quarry bank

New quarry level = 92.00 m AMD

⇒ current water level = 2.14

below new quarry height.

Photos of "ledge" (old high water level)

• above Terminalia securans trees

• below apricus & Rylock bush only

Sun 30/6/96

Grid Ref 646 902 is a photo location.

Steph Brown (Plymouth)
 at Kn Hopkirk - ask her
 about massacre for lower back.

Outboard broke down. Used 8hp
 spare to get back to Dam Wall
 at 3.20 pm.

To Do Mon

Find Pygmy?

FHS - canoe, kit, maps,

Reg Duncanson 4pm

Bent Stent

Speak physio

Cassette recorder

outboard fuel

Doctor - vaccine

Pain killers

(46)

Kumura

Start Mon 1/7/96

Drove down off - Me, Deng, Kyn Bessner, Christine Lange

Take off 8.08 am with Slingair ²¹⁰ Cessna

The "gap" in film is gap between
False Mouth & Ord River

(Flw to Cape Donnet then back to Kn around edge
land @ 9.45 hrs) of False Mouth, Parry
Lagoon NR and Ord River)

Massacre { "Kamberley Cuts" - Charlie Gekins
"Shades" 1 pm - Vladimir Burt / Vladimir

"Watermark" { 6.30 pm Green front fence on left
1057 Woolly built Sh
681 265
Indie Tipman (husband at Ag 419)

Spark Plug for 8 hp Evinrude
are: BR 9145-10

↑ gap of plug

Lake Argyle flight
from 1420 - 1553 hrs (have 23 pm)

Kumumona

1/7/96 47 contd

Watkins

Dongji: 681441

→ 250mish.

See chart of Lake Aggyle for location +
directions ~~Report at 8am~~ of photos
of fringing vegetation of Lake Aggyle
(also took photos of parts of Lake Kumumona)

^{rebusa}
"Crotalaria effusa" — "Widdowson
disease" — Charlie Gardner identified
it as cause of disease — Kills
horses (not cattle). Lower was "woody"
rather than soft

Jude Turner — Q's from Dong Watkins +
Watkinson

What doing? — Fencing — Reports from Kate

To Do Tues 2/7: be @ Lake Aggyle
@ 8am (1 hr drive from Kumumona),
buy lunch, Jude Turner @ 6.30,
Shift ##.

(48)

Start

2/7/96

Kannan: Jude Tynan

0630 - 0710 with Jude + Peter Tynan (Wickham)

- 2 groups school kids - testing
M1 anal.

- group concerns about sewage effluent
discharge. - E. coli, breakdown etc

- (nutrient loss)

LCDC want to improve "Nutrition"
rather than "use for agriculture".

This is LCDC

"Out-Integration Conf" are sampling
i/f light for nitrogen NO_3 PO_4
pH turbidity - sampling

their system and is testing
drums as better oxygen well -

- sampling is uncoordinated

- Meeting will be held to discuss
how to monitor sewage ~~and~~ overall
sampling program. Consensus

(50)

Lebezye: Flying Fox Creek area

2/7/96

Grid ref. 593 872

1040 cm - land on ~~shore~~ ^{of small island,}

Acacia ^{holosericea} ~~woodland~~ (→ 3.5 m)

Photos 1-8

Mudflats

Sandy substrate

~~Plover~~ Lapping

Raven / Crow

Crocodile - eggshells

Zonitidae

limulus

spider webs

masses of moths in spider webs on Acacia

Whistling Kite

Pied Heron

small gnat

Grass

Pseudorhaphis spinosa

rooted, 2+ m long

Lake Angelle - Flying Fox Creek area (51)

2/7/96

1115 hrs - 1135 hrs 585866
2nd stop

Plots 9 to 12

Golden Plover, Black Duck, Egret,
Gull, Pacific Wren, Rainbow Tree Toad

Lizard, Fairy Wren, Red Wren, W. Wren,
Red Shrike, Fairy Wren, Indeterminate? Egret.

Blue damselflies, Red dragonflies,
Black & Plover. Magpie.

5 Kyr estimated 25 yrs old.

Closed *Acacia holosericea* woodland

(to 4m) - a uniform clump on deeper soils
Cattle to water edge.

Bamboo grass, *Parkinsonia*

Red dragonfly

Masses of spider webs + mudgas on eucalypt

Muddy substrate

(52)

Letre Aygle: Flying Fox Creek area 2/7/96

1145 hrs Large Pied Cormorant, Wb Sea Eagle

Wb Sea Eagle on nest opposite Hill

1219 hrs 2 Lotor birds on the Pseudotsuga
grass in deep water. Edge of
grassbed is 2.5 m (measured)

1228⁻¹²⁴³ E. coast Woodland forest - 553 784

Woodwardia (Blackf.), Marsh Lignum
Max trunk diameter (bark height) ≈ 20 cm

Height 8-9 metres
(spec)

Understory of Peccis lobosensis to 4-5 m.

Trochocarpa (White Throated)

Glossy Ibis, Egret, ~~Lesser~~ Torresian Crow, Duck,
Whistling Eagle, Wb Sea Eagle

This site is on island ≈ 0.4 m above
water level. Ground damp - mud/clay

Let's try: Flying Fox Creek area

2/7/96

53

~~Intest (?)~~
Yellow plumage, ~~Amegilla~~ nesting
Maggie's look, ~~Parus~~ Bee Eater, Oriole;

1:05 pm — walk to "hill top"

2 photos of dead E. ~~concoloratus~~

They start 1.5-2.0 m above

current water levels

Seedlings in 0-1.0 m above

current water levels

Photos ? → 29.

1:15 pm

Good ref. 556777

2:35 pm

Potamogeton ~~discoloratus~~ ??

is at least 3.5 m (and

reaching surface from there. Some

ribbon weed with it.

Tues 2/7/96

2.45 pm Landed on E shore

at 692 915 (Lily Spit - Grassland Plain area)

Maggie geese with 4 young (v. small - Class I) at water's edge

Green Gull, Grebe, Egrets, Pied
Heron, Duck, Woodswallow -Fruit, Bushland, Robin, Budytes,
Plover*Acacia farnesiana* (introd)growing to 1.0 - 1.5 m at edge
of lake.*Acacia holosericea* occasional behind*Phytolacca nodiflora* ("leaf") at al*P. spinescens* (grass)Maggie Lake. Gleng Tiers
"Wellaby"

2/7/86

Shoreline muddy. Spotted Heron.
 Jacana on the floating P. sp. grass. Finished film here.

leave 3.00 pm and head
 for Dam wall.

Margate Hotel Broome

Wed 3/7/86

Left Country Club Hotel, Kunene, at 5 am, drove to Broome (c 1050 km) on my own. Arrived c 5.30 pm.

86
Drive

Planning of Th 4/7/96

Th:

accom: Margonne Hotel/Motel

Fri:

shopping (Food)

11.30 Drying meeting

accom: BBO

Alf Grey
Things

Sat:

7.30 - 9.30: Mullets sampling

: Nematocis + Crescent
Lake.

accom: BBO

Sun

Tom Plains
John Stone

Mon

accom: Mandone on Sandstone

Tues

Th 4/7/96

Borne

- RUBI - coalition of ³ aboriginal groups in Borne area.

- Yawun Claim over Roebuck Bay.

"Claim extends to P/L 40 metres above HWM" (where it abuts Thangra Station)

* (between LWM and P/L Boundary is VCL)

- the 3 RUBI Groups are Yawun, Goolanabooloo, Djugin.

- outer boundary of Yawun claim ^{over Roebuck Bay} is 6 fathom line!

- John Clarke "Anti Meba Unit" of Premier + Cabinet. (he was in dock)

(56)
Drome

Planning of Th 4/7/96

Th:

accom: Mayenne Hotel/Motel

Fri:

shopping (Book)

11.30 Dining meeting

accom: BBO

Alfred
Thompson

Sat:

7.30 - 9.30: Mulletts sampling

: Nematode + Crescent
Lake.

accom: BBO

Sun

Ann Plins
John Stone

Mon

accom: Montrose on Sandstone

Tue

Borne

Th 4/7/96

(57)

- RUBI³BI - coalition of aboriginal groups in Borne area.
- Yawura Claim over Roebuck Bay.
"Claim extends to P/L 40 metres above HWM"
(where it abuts Thangoo Station)
& (between LWM and P/L Boundary is VCL)
- the 3 RUBI³BI Groups are Yawura, Goolanabooloo, Djugin.
- outer boundary of Yawura claim ^{over Roebuck Bay} is 6 fathom line!
- John Clarke "Anti Mass Unit" of Premier + Cabinet. (he was in dock)

(58)

Broome

Th 4/7/96
←

KM²

③ - who make happen?

① - literature? in time, good.

② - timing?

④ - dependent on what?

Govt response to
Mun. request

Fisheries - Greg Fingley

921121

Thi PM

Fri

Broome

start

0830 hrs

Fri 5/7/96

start 0830 hrs

Homemade trip around Brookwater Bay to

Sandy Point
Brook Point - stop here for 15 mins -

then straight back to Broome along

Bay (c 45 mins) Back to Broome

at 1040 hrs. Millions of Porcupine Mullet

hundreds of Shorehorses (?) skulls.

59
Fri 5/4/96 cont'd

1130 am Meeting with Aboriginal
community representatives at
to discuss Dugong issue. CALM
officer: Tim Walling, Bob Power, Gordon
Gordon, me.

Noel Hunter 1135 am.

- what is CALM's response to letter?

BP: don't have good knowledge of
dugong food resource + its dynamics

BP: Rockback Bay (Wallerak to Gordon Bay) is
by far the largest dugong habitat in the
region.

BP: rule of thumb: for ~~every~~ every 5 years
catch per year you need 100% in the past

BP: need to factor in things like cyclone
damage to seagrass beds.

(60)

Fri 5/7/86
~~that~~ ~~could~~

- only
2-3% of aborigines in Broome area hunt
dingoes regularly. Digging out,
but culture remaining and that
means renewed interest in dingoes
hunting.

- GBRMPA - about hunting/country,
"honour systems", bags, harvest.

BP: GBRMPA spending \$\$ on dingoes
but not appropriate to small ~~scale~~ scale
operation such as Roebuck Bay.

BP: Southern GBRMPA (N of Tennantville - OS)
dingo paper has collapsed

BP: Cyclone had big effect on seagrass beds
in Harvey Bay in Feb 1992 - Wrecked
1000 dingoes. Cyclones flooded the 2
rivers into the Bay. Seagrass communities
killed by flooding, salting, smothering
etc of seagrass. Paper collapsed to

61
Fri 5/7/96 lunch

< 200 dugongs.

BP: seagrass dynamics in Roebuck Bay
are not known.

BP: ^{surveys} 3 monthly, deep trawls, reliability
see by motor dugongs when

BP: at least 1000 dugongs or more
in Roebuck Bay.

BP: not danger of imminent collapse
of dugongs in Western Australia.

BP: ~~not~~ need do once every 5 years.
Use aircraft. Need staff.

GG: ① look at Roebuck Bay first, size of paper?
"pressure" (incl. what's happening to
food resources). Joint research proposal good
idea. District + BP involvement.

② ^{there} is an opportunity to draw up research agreement
if there is a formal agreement ~~between~~
- legal advice.

(62)

Fri 5/7/96 cont'd
back of

GG - what is preventing it beginning is a

\$\$\$.

← Rara....

M. Consultant: 6 places to get grants. Want

to do research ~~to~~ with CATS because we
have the scientific advice.

JP: needs to be done as a Dampierland
project (West Kimberly).

JP: can easily get ~~at~~ catch sketches,
he can advise on info to collect. Get
into of house to work out migration,
if we Brown dygongs affected by
Exmouth (probably not). Tracking of
animals (satellite) c \$5000 / pack.

"Jo" - can collect data, dog tracks etc.

JP - Tim Welling could be local contact.
Need to be in charge of contact
person with the confidence of the
people.

(63)

Fri 5/7/86 contd.

- Rara: Aboriginal wants
statutes, feels so that they can
make the decisions

Finish 1255 hrs.

— lunch.

Start again 1.35 pm.

Neil McKenzie

President New South Wales Aboriginal Corporation

(he is to be the contact for ongoing discussions)

Kevin (T.I.)

Stayed overnight at Mangrove Hotel overnight.

(64)

Rosbeck Bay contd

Set 6/7/96

Ali Pentko

Phyllis

Sheila

John Fallow

Tim Wilby

Doug

Walter

Janet

Laurence

Chris

Mitchell

(Foster's Inspector)

Fall Point + Crab Creek

6 cores taken to produce one sample. 4 samples taken for each site. Then move out 100 m to the next site (2 sites per location)

Cores are PVC pipe with handles, diameter of 10 cm and depth of 15 cm

Plan to do once per month. Started in March with Thomas. Went to do for 5 years (?). Has been previously

Roebuck Bay control

Sat 6/7/96 contd

sampling.

This sampling hut is c30 m
hd of the line of sedges (of
Pebble?).

~~that~~ Sampled near Crab Creek.

Back to BBO to sort samples.

Formation / cordial incident. Had lunch,

left for Nimble area at 1pm with Doug W.
Gordon Graham, John Fallow and Tim Welling.

2pm. Nimble Swamp

3 Bridge, Whistley Hole,

120 Pined White Ducks

310 ~~310~~ GgTL 1 Pacific Heron

14 PaBD 11 Sooty

5 Hatched 10 Sec I

24 Ann Goose 10 Wfth

1 Darter -

Fairy Martins

(66)

Minalca Swamp with

Set 6/7/86

No fresh

South of Fitzroy R.

Ceratophyllum demersum

Lenore (dickweed)

Butterflies ("Crows") foraging
in the big *Melaleuca cajuputi*

Jewel Bees on *Timonius timon*
(common - mostly in vine thickets)

Cymbidium caraliculatum

"Brown tree orchid" = "Chocolate Orchid"
growing on *M. cajuputi*

Pleasant Goshawk

Reptile

Back to vehicle at 3.35 pm.

Nimelone
area

Set 6/7/96 contd

(67)

Crescent Lake

3.50 pm

1 Osprey

70 Pelican

110 Red Plover

1 Gray Plover, 2 Gull-billed Tern

~~with 2000 Pelicans~~

one with yellow

1 Green heron

leg flag (lower leg)

25 Red-n Shrike

32 Avocet

70 Red Skel

8 Marsh Scaup

* | *Schornoplectus litoralis*
not *Ellochuria dulcis*

O'Night in room at Boone Bird Observatory

(68)
Roebuck Bay
and 80 Mile Beach

Sun 7/7/96

Left Trone Tim Observatory at 0830 hrs.
Drove in to Thangoo Station. Met John
Grey (owner/manager). Drove NE to point
roughly E of Beach Pt to familiarise with plain
(Scaevola - Sporobolus) with Melaleuca behind.
Drove back to Thangoo Hstd. Then to Ecobeach "resort"
being built by Kerl Plunkett at Cape Villaret. Shown
around. Then drove back to Italy & headed for A. Plains.
Arrived at 80 Miles Ruse Plains

campsite (site used by water expedition)
at approx 4.30 pm.

Drove 15 km South coasting
waters in 5 km section. Tide
falling but mudflats still mostly
covered.

Made camp at c 5.30 pm.

(at Annapolis)

(69)

80 m Beach

Mon 8/7/86

Photograph beach, shells, tracks, about etc.

Left 80 m beach at 0840 hrs.

$\frac{3}{4}$ full at 41470 km For on
mountain!

Box 1 - photo - "cave" - on wetland.

Box 2 - photo - big area of *Typha*
domingensis. Apparently very little

2 years ago. Flats of Zebra

Finches (tens) coming in to drink.

$\frac{1}{2}$ full at 41570 $\Rightarrow$ 100 km
for the $\frac{3}{4}$ $\frac{3}{4} \rightarrow \frac{1}{2}$ section of gauge.

Completely full at Sandford Rkt at 41572 km
at 1105 hrs.

Mandora Marsh area contd

70 Joanne Spring Track

Mon 8/7/96

contd

0.0 Sunshine Lit

19.8 Turnoff from Great W. Hwy.
and thru gate (unlocked for
us)

23.5 4 Combo Well - last photo of
film, plus 2-3 of next film,
cattle - 1130 hrs.

25.6 track off to left - ignored

27.3 track in from left - other vehicles
Leds (one party) [41600 km]

~~30~~ 30.4 track off to right to Fording Bone

30.5 fence

30.9 Dong photo'd old seismic line.

43.3 Lingsett Well and windmill
Many 100's of Zebra Finches - great
bird watching at edge of desert.

44.0 Hit fence line with cattle post
and closed creek gate. Turn

Meadow Marsh
area cont'd

Mon 8/7/96 cont'd

(71)

ocean

right along ^{the} side of fence line
45.3 km - photos from top of

sandridge - of former site.

46.9 reach Salt Creek - full
of water, truck veers right.

Creek is meadow fenced. Arvicola

marina

1 km Xing (Salt Creek)

49.4 hit fence turn right

51.0 gate in fence on left - not
taken. (it was back to EE EE

Spring)

51.2 bend in fence

52.65 " " "

58.6 truck off to rt - grassed.

59.7 ^{Grants Spring}
gate - 80 cattle.

59.8

Spring - water - Tye

+ trees

- 2 photos

(beginning of
film)

(12)
Mendota Marsh
area cont'd

Mon 8/7/96
cont'd

63.8 - Sand walks to Lake.

4.00 -

c 100 Swifts

c 10 Terns

1 Heron.

77.4 back to gate of S1.0. Went
thru it

(we)
Mike Moser will probably still be at
Stonbridge when KMW goes there.
Arrange introduction



Mandora Marsh
area cont'd

Start Tue 9/7/96

7.30 am El El Spring

Sesbania (forae?) Dragon Trees

Melaleuca

Acacia

Sagebrush

Brown Grasses

Brown Harems

Circle or Corals grazing regenerating Sesbania
Wet feet!

Bullant nests 70 cm at base and 25 cm
high under Melaleuca to 6 m

7.48 am - Mel to 15 m, open water

20 m fringes in to bank

Water 20 cm deep

Mosquito larvae (small)

Tu 9/7/96 Cont'd

(74)

Plk of Dong sitting on raised peat
bog - 30-40 cm above water level

Dragonfly? larva
Water beetles?

Dryopteris. Crested Pigon

Little tracks over peat area (+ shrubs)

Little pieces on peat bog. Little pond

across bog 25 cm wide and 2 cm deep

2 Bf. Cuckoo-shrike

3 Black & Plover

Frogs -

8.42 hr 2nd area - raised bog.

plk of cut Melaleuca.

" - ~~Melaleuca~~ mangrove? Fern

A lot of Melaleuca branches, twigs
decayed forming thick cover over raised
peat area. Much bird faeces + feathers

Mardona Marsh
area cont'd

Tu 9/7/96

(75)

cont'd

- probably Corvidae roosting area

Raised peat area 200 m x 150 m

McLennan 20 m high

Largest McLennan has 90 cm diameter

Leaf litter (+ sedge) dry underfoot

Little Eagle overhead

Some young *Perisoreus* to 6 m at SW end

"Wendover" butterflies

Open water in some small pond &
good 1 m above water level at edge
of raised bog.

Large old dead *Perisoreus* trunk on
peat.

Peat wet & soft underfoot at 4/5 SW

End

There is a "moor" (not all used)

around entire raised bog.

Leave it at 9:05 am

Mandarin Marsh
area cont'd

(76)

Tue 9/7/96

Stream flowing away from bog in NW
direction

1 Black Duck

Left at vehicle at 9:32 am.

Secre compass at 81.7 (41654)
at 0950 hr.

86.0

from gate of 77.4 and 51.0

43.5

took point back to right

(leaving fence line)

2 Bristles

43.8 :

1030 hr - raised peat bog

^{Arctic}
Sesberia and 2 "fern" - see

leaf photos. Frog heard - large

dragonfly. Some surface water.

Peat very deep & thickly overgrown.

From Horvathia.

Marion Lake Marsh

area cont'd

Tues 9/7/86 77 cont'd

94.1 back to fence (93.5)

95.2 ^{Cattle Spring}
cattle - 2 photos - spring
↑
Brown Falcon . 2 Buteos

100.1 1115 hrs - photos of cattle (130)

Saunders Spring
+ wetland 3 Doves 2 Black & Dotted

open water. *Typha domingensis*.

Reed Warbler in *Typha*. Very wet

underfoot. Many large old

Sesuvium plants + branches on ground

Very heavy veg., *Typha* throughout,
plus "Meyone fern" of last stops.

Brown Honeyeater

Cattle "sock" was dry out

3 Diamond Sparrows, Zebra Finches, blue doves/flycs
at cattle sock. Buteos.

Finish here at 1133 hrs.

(78)

Manduca Marsh
area cont'd

Tues 9/7/96 cont'd

104.9 1145 hrs - back st

Cowarts' Spring. Cowbirds,

Cattle, meadow Lark, Crows,

Bees & chironomids under Melaleuca

to 6m. Wet mud. Some

surface water. Typha seedlings

(a few). "Manduca" butterflies.

Plots of "native Tobacco"? - Primarily

One species? Finish 1155 hrs.

113.7 gate in fence to El E
(ignited)

116.5 Salt creek crossing.

119.3 Top of sand dune (runs E-W)

- viewing point - can see

12+ "monads" of trees to horizon

WSW to "ESE".

Mandorah Marsh
area contd

Tues 9/7/96 (79)
contd

1301 hrs.

145.5 a road highway (exit
different from entrance)

152.8 - entrance point of 8/7
(yesterday) from 145.5.

Camped overnight on bank of De Grey River

Left De Grey River campsite
at 7.10 am

Wed 10/7/96

Cargill Salt Fields (Port Hedland)

Mel McKenzie is Env. Officer. Met him at highway
turnoff at 0740 hrs. Also Peter Ewers + Andrew Douglas.

Pond "PØ" at 8.10 am

Little Egret, ~~5~~ Tattler, S. GL,

Oystercatcher, fish, WFT, Bank,

78 Bant. Gull, 1 Whimbrel, 5 Pied Sh. L.

3 Broad-billed Sandpiper, 4 Rens,

(80) Corgill Salt (Port
Hendland) Contd

W 10/7/96 contd

P6 ~~827~~ ~~(2)~~ at 8.24 ca

50 Red on Strout, 15 Red c.

Plowen,

P1 Delta at 8.50

450 ~~Red~~ Avocet, c10 Best

50 Pelican +4 (Comsted), S.G.L

B+W Cormorant.

P2 at 9.05

Osgrey Lapin Tern,

P6
Pond ~~827~~ ~~(2)~~

28 Best swimming + 2

P5
Pond ~~827~~ at 0912 hrs

61 ~~Red~~ Best swimming, Osgrey S.G.L
+ 220 + 220 Gawk

many mounds
in the field.

WFAH

Cargill Selt (Port
Hedland) contd

(81)
10/10/96

Extras (other ponds
walks/bounds etc)

Wb Sea Eagle

Large Bird Cormorant

Mudskipper

Dark tailed Gnatcatcher

Drumming Cock

Pond P4 at 0945 hrs.

WPH, Red c Plover, Best

Last photo of film is Dory on Leboyre
1000 Dashed Still

Pond P3 at 1008 hrs

- WPH. Zero Best.

Photo - P3 on left, P2 on right.

Cargill Salt (Post
Hedland) contd

82

Wed 10/7/96 contd

1146hrs - photo (2) of seepage
causing death of adjacent mesquite.
~~Water~~ Salt water leaking out all
the time evaporates + high salinity
kills mesquites and sarcobatus.
Location is 1 km N of Rock End
Creek Pumping Station.

Pond on left is PØ, ~~was~~ the
borehole (well) was constructed c 1993
to form PØ. Affected area is
~~from~~ VCL on part of Pastoral lease.
Location is 2 km from coast.

LeBaron & Moore are monitoring
this mesquite/sarcobatus community.
(Gordon & Douglas and Peter Ewers)
Worked at same time as us

Cargill Salt (Park
Headland) comb

Wed 10/7/96 ⁽⁸³⁾ comb

Plots of Rock Cod Creek Lumpy Don

" " Ridley Creek " "

(These are the only jumping stations to Pond)

Parkhead : Phone Vero, Wash, cash, Shift #
to refund, pay rent, fuel, groceries

Full tank at 42233 km 85.27 litres
41572
661

Plots of Smokes at c 5.25 pm. 2nd lot
at 20° 46.060 119° 25.066

and 66.3 km from Gut N Hwy towards
Marble Bar.

Stayed overnight at Marble Bar Caravan Park.

0700 - 0735 - Plots of Marble Bar

(84)

Start TH 11/7/96

Left Marble Bar Carcass Park at 0640 hrs.

Pied Butcherbird, Pectoral Finch
Fairy Martins, Y.E. Miner

0700 - 0735 - Photos of Marble Bar

+ food.

(Little Black Cormorant,

Magpie Lark, ---, frill, Zebra Finch

~~Black & Blue~~ Black & Blue, ~~Yellow~~ White plumbeous
magpie

Chimney's Peak

3 BF Plover, 4 P.B.D., 1 Darter

3 LBC, 1 LPC, Gulls, Whistly Gull

Red-bellied Sapsucker,

Finish 0746 hrs.

Nursery

"Beetons Creek Gold Project"

Dominion Mining Ltd.

0940 - 0955 hrs.

2 water supply dams

1 Plover, 2 Swans, Hh Gull.

Photos

Ans Gull (total gulls = 50)

2 P.B.D., Little black Corm.

Typha (dominicanus)

(85)

Th 11/7/96 cont.

Grandes Pools (Noullgome) 1000 - 1015 L2 PABs, ~ 500 Little Corolla,
Maggie Lake, Tinguizos, 1 Palm tree (Date
Palm?). Photos.

At home Capricorn Roadhouse at 1235 hrs.

Full tank at 42773 km. 73.82 litres
$$\begin{array}{r} 42233 \\ \hline 540 \text{ km} \end{array} \nearrow$$
Left Mt Magnet (motel)
at 6.45 am

Fri 12/7/96

 $\frac{1}{2}$ tank on gauge = 43381 km. $\frac{3}{4}$ " " " = 43504 km123 kmFull tanks at ~~the~~ Delwood Inn at 43693 km.

(86)

Phone calls

Sally Lee - furniture

~~Michelle~~ 09 483 6009 ✓ (Comm Bank)

Doctor - Set

Wed 31 / 7 / 96

- leave

1225 hrs - photo N° 10 (64x54) of
Henry River at intersection of Gout Rd
and River Rd

1245 - photo 11 of Henry River
from bridge on gravel road (one S
(looking N) of Clifton
Rd)

(88)

Sat 3/8/96

Worming House

Promised to send Tom N. O'Brien
name of Serpulid worm.

(Bart de Vries - model ship builder
spent years on island at Teuel
in Netherlands)