

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_(1970-84)_17A	1980-81	(01-12-80 / 15-11-81)	PDF 1 of 2
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 '45 + (15-03-95 / 01-04-95)	
JL_(1992 on)_13	13	(02-04-95 / 07-04-95)	
JL_(1992 on)_14	14	(07-04-95 / 29-04-95)	

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<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1969-70)_1	'1969-70'	(Nov 70 / Jan 70)
JL_(1970-84)_1	1970-71	(6-12-70 / 17-2-71)
JL_(1970-84)_2	1971	(08-03-71 / 21/01/72)
JL_(1970-84)_3	1972/73	(24-01-72 / 15-02-73)
JL_(1970-84)_4	1973	(05-03-73 / 15-11-73)
JL_(1970-84)_5	1973-74	(12-04-73 / 11-06-74)
JL_(1970-84)_6	1973-74	(03-12-73 / 28-03-74)
JL_(1970-84)_7	1974-76	(03-05-74 / 24-10-75)
JL_(1970-84)_8	1974	(26-05-74 / 18-11-74)
JL_(1970-84)_9	1974-76	(28-08-74 / 02-10-76)
JL_(1970-84)_10	1974-76	(21-12-74 / 25-01-75)
JL_(1970-84)_11	1976	(25-10-76 / 27-11-76)
JL_(1970-84)_12	1977-78	(16-10-77 / 21-03-78)
JL_(1970-84)_13	1977-78	(24-10-77 / 19-04-78)
JL_(1970-84)_14	Oct 78-Apr 79	(06-10-78 / 14-04-79)
JL_(1970-84)_15	1979 (Apr-Sep)	(16-04-79 / 19-09-79)
JL_(1970-84)_16	1979-80	(26-09-79 / 23-05-80)
JL_(1970-84)_17	1980	(14-05-80 / 07-11-80)

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

Collins NOTEBOOK

3510 FAINT

1980-81

Table 2: Vegetation classification, from Muir 1977a

Records of L.M. Munro
Supplement No 3, 1977

LIFE FORM/HEIGHT CLASS	DENSITY CLASS (CANOPY COVER)			
	Dense 70-100% d	Mid-dense 30-70% c	Sparse 10-30% i	Very Sparse 2-10% r
T Trees > 30 m	Dense Tall Forest	Tall Forest	Tall Woodland	Open Tall Woodland
M Trees 15-30 m	Dense Forest	Forest	Woodland	Open Woodland
LA Trees 5-15 m	Dense Low Forest A	Low Forest A	Low Woodland A	Open Low Woodland A
LB Trees < 5 m	Dense Low Forest B	Low Forest B	Low Woodland B	Open Low Woodland B
KT Mallee tree form	Dense Tree Mallee	Tree Mallee	Open Tree Mallee	Very Open Tree Mallee
KS Mallee shrub form	Dense shrub Mallee	Shrub Mallee	Open Shrub Mallee	Very Open Shrub Mallee
S Shrubs < 2 m	Dense Thicket	Thicket	Scrub	Open Scrub
SA Shrubs 1.5-2.0 m	Dense Heath A	Heath A	Low Scrub A	Open Low Scrub A
SB Shrubs 1.0-1.5 m	Dense Heath B	Heath B	Low Scrub B	Open Low Scrub B
SC Shrubs 0.5-1.0 m	Dense Low Heath C	Low Heath C	Dwarf Scrub C	Open Dwarf Scrub C
SD Shrubs 0.0-0.5 m	Dense Low Heath D	Low Heath D	Dwarf Scrub D	Open Dwarf Scrub D
P Mat plants	Dense Mat Plants	Mat Plants	Open Mat Plants	Very Open Mat Plants
H Hummock Grass	Dense Hummock Grass	Mid-dense Hummock Grass	Hummock Grass	Open Hummock Grass
GT Bunch grass > 0.5 m	Dense Tall Grass	Tall Grass	Open Tall Grass	Very Open Tall Grass
GL Bunch grass < 0.5 m	Dense Low Grass	Low Grass	Open Low Grass	Very Open Low grass
J Herbaceous spp.	Dense Herbs	Herbs	Open Herbs	Very Open Herbs
VT Sedges > 0.5 m	Dense Tall Sedges	Tall Sedges	Open Tall Sedges	Very Open Tall Sedges
VL Sedges < 0.5 m	Dense Low Sedges	Low Sedges	Open Low Sedges	Very Open Low Sedges
X Ferns	Dense Ferns	Ferns	Open Ferns	Very Open Ferns
Mosses, liverwort	Dense Mosses	Mosses	Open Mosses	Very Open Mosses

DEC 1980

VL Sedges < 0.5 m	Dense Low Sedges	Low Sedges	Open Low Sedges	Very Open Low Sedges
X Ferns Mosses, liverwort	Dense Ferns Dense Mosses	Ferns Mosses	Open Ferns Open Mosses	Very Open Ferns Very Open Mosses

(2)

Mood of the date contained in this
notebook are irreplaceable!

Collins

If found, please return to

"GRAPHIC" NOTE BOOK

Mr. J. Lane

W.A. Wildlife Research Centre

P.O. Box 51

Warrnambool 6065

WEST. AUSTRALIA

(Ph (09) 4051555)

1980 — 81

Thank you

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SYDNEY AND MELBOURNE, AUSTRALIA

Determination of Soil Texture by Feel

Soil surveyors in the field judge texture by the "feel" of the soil, that is, the way it feels when rubbed in the palm of the hand or pressed between the fingers in a moist (not wet) condition.

The soil's mineral components have the following physical properties:

<u>Gravel</u>	Obvious
<u>Course Sand</u>	Feels sharp, rasping, gritty. Individual grains easily distinguished.
<u>Fine Sand</u>	Sharp and rasping but very fine. Individual grains only just visible. Rasping sound between finger and thumb heard <u>when placed</u> close to the ear.
<u>Silt</u>	Dry pellets will crush between the fingers yielding a floury dust with a smooth silky feel. When wet the silkiness persists and the paste is slightly plastic. Particles quite invisible to the eye.
<u>Clay</u>	Dry pellets feel very hard and harsh, and it is difficult or impossible to crush them between the finger and thumb. When moistened it is very sticky. (Plastic).
<u>The Loams</u>	(Sandy loam, silty loam, or clay loam) combine these characteristics, so that the gritty, silky or sticky properties are less noticeable.

Key to the Identification of Soil Texture by Feel

A. Mineral Soils

<u>Classes</u>	<u>Simplified Grouping</u>	<u>Characteristic</u>
Very coarse sand	Coarse sand	The feel does not change appreciably from the dry to moist condition. Most all the particles are single grains. Feels gritty, does not soil fingers.
Coarse sand		
Sand		
Fine sand		
Very fine sand	Fine sand	
Loamy coarse sand	Loamy coarse sand	When moist, cannot be molded into a ball. Feels gritty. Does not soil fingers.
Loamy sand		
Loamy fine sand		
Loamy very fine sand		
Coarse sandy loam	Coarse sandy loam	When molded into a ball the ball will be somewhat plastic, but soil feels definitely gritty. Does soil fingers.
Sandy loam		
Fine sandy loam		
Very fine sandy loam		
Loam	Loam	Somewhat plastic and sticky but is gritty. Will polish between finger and thumb.
Silt Loam	Silt Loam	Same as above except is more velvety than gritty. Ball easily deformed.
Sandy clay loam	Clay loam	It is quite plastic and sticky but has indication of sand. Resistant to molding.
Clay loam		
Silty clay loam		
Sandy clay		
Clay	Clay	Is somewhat smoother than above. Sticky but has some grittiness. Very sticky and plastic and will when rubbed between fingers. Ribbons out easily. Very resistant to molding.
Silty clay		

From Arnesen & Pluth, 1966. Field Manual of Soils. Unpublished.

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<u>Classes</u>	<u>Simplified Grouping</u>	<u>Characteristics</u>
Very coarse sand Coarse sand Sand Fine sand Very fine sand	Coarse sand Fine sand	The feel does not change appreciably from the dry to moist condition. Most all the particles are single grains. Feels gritty, does not soil fingers.
Loamy coarse sand Loamy sand Loamy fine sand Loamy very fine sand	Loamy coarse sand Loamy fine sand	When moist, cannot be molded into a ball. Feels gritty. Does not soil fingers.
Coarse sandy loam Sandy loam Fine sandy loam Very fine sandy loam	Coarse sandy loam Fine sandy loam	When molded into a ball the ball will be somewhat plastic, but soil feels definitely gritty. Does soil fingers.
Loam	Loam	Somewhat plastic and sticky but is gritty. Will polish between finger and thumb.
Silt Loam	Silt Loam	Same as above except is more velvety than gritty. Ball easily deformed.
Sandy clay loam Clay loam	Clay loam	It is quite plastic and sticky but has indication of sand. Resistant to molding.

Course Sand

Feels sharp, rasping, gritty. Individual grains easily distinguished.

Fine Sand

Sharp and rasping but very fine. Individual grains only just visible. Rasping sound between finger and thumb heard **when placed** close to the ear.

Silt

Dry pellets will crush between the fingers yielding a floury dust with a smooth silky feel. When wet the silkiness persists and the paste is slightly plastic. Particles quite invisible to the eye.

Clay

Dry pellets feel very hard and harsh, and it is difficult or impossible to crush them between the finger and thumb. When moistened it is very sticky. (Plastic).

The Loams

(Sandy loam, silty loam, or clay loam) combine these characteristics, so that the gritty, silky or sticky properties are less noticeable.

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<u>Classes</u>	<u>Simplified Grouping</u>	<u>Characteristics</u>
Very coarse sand		
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Sand		
Fine sand	Fine sand	
Very fine sand		
Loamy coarse sand		
Loamy sand	Loamy coarse sand	When moist, cannot be molded into a ball. Feels gritty. Does not soil fingers.
Loamy fine sand		
Loamy very fine sand	Loamy fine sand	
Coarse sandy loam		
Sandy loam	Coarse sandy loam	When molded into a ball the ball will be somewhat plastic, but soil feels definitely gritty. Does soil fingers.
Fine sandy loam		
Very fine sandy loam	Fine sandy loam	
Loam	Loam	Somewhat plastic and sticky but is gritty. Will polish between finger and thumb.
Silt Loam	Silt Loam	Same as above except is more velvety than gritty. Ball easily deformed.
Sandy clay loam		
Clay loam	Clay loam	It is quite plastic and sticky but has indication of sand. Resistant to molding.
Silty clay loam	Silty clay loam	Is somewhat smoother than above.
Sandy clay	Sandy clay	Sticky but has some grittiness.
Clay	Clay	Very sticky and plastic and will when rubbed between fingers. Ribbons out easily. Very resistant to molding.
Silty clay		

From Arnehan & Pluth, 1968. Field Manual of Soils- Unpublished.

Liljengard → Darrington

2373.2 km. Notice them — look at it go!
and doing checks on small dam at edge of
road.

Also a here? (rabbit?)

~~2373.2~~ 374.3 — Wilson's Snappers.

376.1 ♂ Spent time with ♀s, ♂
in adult ~~♂~~ plumage. Apparently no
red on shoulders and light underneath.
(Location)

380.2 Beulah

384.0 Mottled Plover (see Monobellandice)
and Tanager. Notice them with small
birds (downy)

294 ~~beak~~ Green Parakeet — blue over part
and red over, generally green.
Yellow Cuckoo heard.

? Tanager-like Parakeet — small

84.8 Tanager — seen left.

(6)

Ligugard → Davenport

2573.2 km. Native Hen — look at it go!
with downy chicks on small stem at edge of
road.

Also a hare? (rabbit?)

~~2574.3~~ 374.3 — Wilson's Snail.

376.1 ♂ Superb Blue Wren with ♀'s, ♂?
in adult ~~plumage~~ plumage. Definitely no
red on ^{its} shoulder and light underneath.
(Gardens)

380.2

Bentah

384.0

Mixed River (see Nivea hollandica)
and Tanager Native Hen with small
chicks (downy)

386.0

~~Blue~~ Green Parula — blue clear jewel
and red core, generally green.
Puffed cheeks heard.

2 Beautiful Firebirds — superb!

84.8

Tanager — two left.

- 387.2 Noddy, Blackswallow - white under
edge to wing.
- Black-f. Crested Shrike
- 387.8 Rd. of
- 388.8 Forest Raven eating.
- 388.9 Corymboid - broken white
- 88.3 Rd. on horn left - go
- 95.8 Com. Phoebe
- 98.7 pair of Pileated Squirrels with 1 large
fully fledged (?) young.
- 403.3 Dunrobin
- 104.4 1 Pair Chestnut Tit on down
at least 6 Blue J. doublets
also 3 small
Almost certainly 14 to 15 birds.
Great
Herring, or Swamp Sparrow

Alouine overnight.

In evening many rabbits, Noddy,
partly. Pileated Squirrels with fledged young
(creeping!) and 2 Swamp Sparrows
- these
then in N.S.

206
2
8
250
56
525
530
35
43

(7)

387.2

Sturdy Woodswallow — white feathers
off to wing.
Black-f. Cuckoo Shrike

387.8

At off to wing — some seen

388.8

Forest Robin — common

388.8

Corey's Lark — between some spruce

89.3

At on down left — for station

95.8

Com. Mewy Hawk Bridge

98.7

pair of Bleached Raven with 1 large
fully fledged (?) young

403.3

Dunrobin

404.4

1 Pair Chestnut Tail on down left

at least 6 Crows & ducklings

Also 3 small grouse — (4 or 5 young?)

Almost certainly 14 h. Goshawk

404.8

Raven flying — some Goshawk
Herring, or Swamp Sparrow

Alouine overnight

In evening many rabbit, Redpolls,
ptarmigan. Bleached Raven with fledged young
(everywhere!) and 2 Swainson's
— White rump about some above
then in N.A.

26

2

8

2509

516

528

530

35

43

European Goldfinch

Full Tank at Delbranne 2422.7 km.
(#8.00)

TUES 2 DEC 80

Leave Delbranne Pond at 0745 hrs
(2422.9 km)

Banded Sparrow

430.2 Mewer Park with small birds
30.4 Coots, 1 Black Duck, 1 Hb Grebe
in dam.

440.5 Swamp Sparrow, White winged swallows

Lake Poyangana

2300.0 Black Cuckoo - in white
bushes in wing, yellow eye.

84.4 Duck to road junction.

2505.7 Thrush in bushy area.

56.8 " " " " (seen distant)

525.9 European Goldfinch

510.5 Banded Sparrow

505.5 Delbranne

43.0 Pond Pine Lodge

Eurogaster Goldfinch

Full Tank at Deloraine 2422.7 km.
(\$8.00)

TUES 2 DEC 80

Leave Deloraine Hotel at 0745 hrs
(2422.9 km)

Banded Shrike

400.3

Native fern with small shrubs

30.4

Coots, 1 Black Duck, 1 Hk Grebe
on lake.

440.5

Savory Shrike. White rump & above.

Lake Stungana

2,400.0

Black Curlew " at white
waders in ring, yellow eye.

84.4

Back to road junction.

2505.7

Turnstone on Lake Mtn.

56.8

" " " " (start dirt road)

828.4

Eurogaster Goldfinch

830.8

Banded Shrike

38.5

Kestrel

43.0

Parrot Pine Log

(9)

2550.4 Dove
Leave ~~St. Louis~~ - morning
This morning's hunt in which
one pair shown, looked really

583.8 Back to St. Louis

95.7 H. G. in the morning

98.1 Hilmet

606.8 Turnoff to Carson

672.5 DOVE CAMP

151.2 Left for over bridge

34.7

3 1/2

8

8

8

8

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8

Boys on back saved 1.3 km. south
of Logans - from back of back
Truman again - 1.3 km. of North
at 670.1

674.7 North

93.4 Shore full

2520

2842

852.0

53.

82.

WEL

S

J

Co

Return

⑨

2550.4 Dove
 Last ~~gull~~ - many
 Black Curlew's heard on shore,
 One pair shown landed nearby.

583.8 Back to Stamen

95.7 - Hk birds in trees. Many seen.

98.1 Hilmael

606.8 - Turnoff to Carver

617.5 - OVER CAUTION

151.2 Up for over bridge

3:27 am

34
 8
 2
 3
 19
 25.7
 - 10
 - 14.7

Boysed to back about 1.8 km south
 of Logates - two birds. ~~seen~~
 Brown again. ~~seen~~ of ~~birds~~
 at 670.1

674.7 Nieta

98.4 Silver gull.

2820

2897

850.0

53.

82.

WEL

Co

Return

(D)

2938.7 - Bridport - Stealings
Eastern or Bridport - Red Goshawk

~~2938.7~~ ~~Thames~~

Through Colacotone
3010.5 Brown Falcon.

12.5 " "

025.3 Turnoff to Edgelyne Pt.

036.8 Edgelyne Pt. - Pipit.

048.4 Back to Turnoff.

053.8 Turn left to Anson's Bay.

058.8 Little Red Cormorant -

059.2 Mouth of Anson's Bay - Large Black C's
Pacific Gull? (immature) Crested Tern
Belted Gull.

064.4 Back to 053.8.

075.2 Tes. Noddy Hen

Drive in to St. Helena for lunch, then
headed for St. Columba Falls via
Geyers.

121.5 - Echidna & woombat road.

(had seen a dead woombat approx 0.5 km.
previously).

133.3 Swamps Heron -

139.

150.

184.

187.8

3202.

203.8

3210.

233.5

3269.8

270.7

291.3

302.3

314.1

349.5

(D)

2938.7	- Bridget - Skolings	139.
	Edney at Bridget - Red Goshawk	
2938.7	Through	
	Through Gleditsia	150.
3010.5	Brown Falcon.	
12.5	" "	184.5
025.3	Turnoff to Edgelyne Rd.	
036.8	Edgelyne Rd. - Pipit.	187.8
048.4	Back to Turnoff.	
053.8	Turn left to Anson's Bay.	3202.
058.8	Little Red Goshawk.	
059.2	Mouth of Anson's Bay - Large Black Cb., Pacific Gull? (immature) Crested Tern Belted Goshawk.	203.8 3210.
064.4	Back to 053.8.	233.5
075.2	Tes. Noddy Hen	3269.8
	Drive in to St. Helena for lunch, then headed for St. Catherine Falls via Pyrene.	270.7 291.3
121.5	- Echidna & warty road. (had seen a dead wombat approx 0.5 km. previously).	302.3 314.1
133.3	Sweeps Horner.	329.5

- 139.6 St. Columba Falls (raining)
Small Thornbill seen, either Brown
or Tasmanian.
- 150.6 Back to May 3, head for Widdborough
pass
- 184.7 Another Echidna on way back to
St. Helen.
- 187.8 Another Echidna crossing road.
- 3202.7 St Helen. Petrol \$10.00 - 25 $\frac{3}{4}$ l.
at 39 c/l.
- 203.8 Edwin Sharpin Hill
- 3210.3 Mount Ince 5
- 233.5 Blowhole at Falmouth - disapp.
cc 200 Black Swans on coastal lagoon
- 3269.8 White-f. Chat & Wilson's Swallow
270.7 (1. Swallow, sitting)
- 291.3 Bichenol
- 302.3 Turnoff to Freycinet Water Park.
- 314.1 Yellow E. Thrush (2)
- 329.5 Coles Bay - Petrol 37 $\frac{3}{4}$ l - \$15.00
39.9 c/l.

139.6 St. Columba Falls (rainy)
Small Thornbill seen, either Brown
or Tasmanian.

150.6 Back to Hwy 3, head for Widdborough
pass.

184.7 Another Eulachina on way back to
St. Helens.

187.8 Another Eulachina crossing road.

3202.7 St Helens. Petrol \$10.00 - 28 3/4 l.
at 39 c/l.

203.9 Adult Pacific Gull

3210.3 Mount Jack ♂

233.5 Blowhole at Falmouth - disapp.
cc 200 Black Swans on coastal lagoon

3269.8 White - F. Gull + White-necked Swallow
270.7 (v. close, sitting)

291.3 Bichenol

302.3 Turnoff to Eyreman's Nat. Park.

314.1 Yellow E. Blackbird

329.5 Cales Bay - Petrol 37 3/4 l - \$15.00
39.9 c/l.

(13)

3369.6 km. Back to Hwy 3 from Chas Bay
3390.5 Bendecost on road.

Th 4 DEC 80

Sighted a rapt at first house
in service - very pleasant view &
forested reserve 3401.4 km.

409.6	"Spring Bridge" built by church from Rocky Mts. protection since 1893.	658.
410.7	Clinton Road (50')	662.5
413.3	Dead Treemore Road on road.	692.
428.9	Turnoff to Parly Pool.	711.
432.5	Back to road.	769.3
441.4	Yellow-bellied Cuckoo.	772.6
448.3	Dead Treemore Road on road.	775.0
452.6	Hitland with 2 Sheldrake (Minotries) on it - + wood, swamphen.	781.9
459.1	Turnoff to Woodway Mill	788.6
461.2	One adult the Southern Black-backed Gull on edge of bog. Red tip on lower mandible only, and white tip seen in flight.	794.4
465.3	Back to Hwy 3	796.3
489.2	Turnoff to Nugent.	

(13)

3369.6 km. Back to Hwy 3 from Colao Bay
3390.5 Bendicoot on road

Th. 4 DEC 80

Signed a request to Great House
in Buenos - very pleasant scene &
forestry service 3401.4 km.

- 409.6 "Spiky Bridge" built by Spanish from
Rocky Hills protection in the 1840s.
- 411.7 Chestnut Tree (50')
- 418.3 Dead Tremanon Bird on road.
- 428.9 Turnoff to Rocky Pool.
- 432.5 Back to road.
- 441.4 Yellow-bellied Cockatoos.
- 448.5 Dead Tremanon Bird on road.
- 452.6 Wetland with 2 Sheeldrakes (Muscivores)
on it - + cool, swampy.
- 454.1 Turnoff to Woodley Mill
- 461.2 One adult ~~the~~ Southern Black-backed Gull
on edge of bay. Red tip on lower
mandible only, and white tail seen in flight.
- 465.3 Back to Hwy 3
- 489.7 Turnoff to Nugent.

Colo Bay

510.6 Notion then coming over.
 522.9 Pollard Curlew - ♂ good look, plus
 head collar.
 556.3 The Double - Crest and
 wind. albatross

580.7 Pond Arthur Settlement.

658.7 Sorel Sorel
 662.3 Magpie
 692.1 Pontville et last
 711.7 Kempston \$15.03 put out.
 - 39 1/4 l at 38.3 cpl.

769.3 Turnoff to Indulaten
 772.6 Eastern Rosella + Noisy Miner
 775.0 Starlings riding on backs of sheep!
 781.9 Flame Robin

788.6 6 Warblers
 794.4 Lake Smith + Interlochen

796.3 B. Swan with 5 + 6 eggs,
 Say Song bird is a Grey Fantail !!
 Pollard Curlew heard
 Shorelarks seen.
 Ravens also - Yellow Blackbird.

with from
 43.

ca.

entries)

a Gull
 low
 flight

Colo Bay

510.6 Notion then coming over.

518.9 Pollard Curlew - 5th good look, plus
heard calling.

556.3 The Double - Crowned and
wind. obvious.

580.7 Pond Arthur Settlement.

658.7 ~~Sorel~~ Sorell

662.3 Magpie.

692.1 Pontville et last

711.7 Kingston \$15.03 put out.
- 39 1/4 c at 38.3 c/l.

769.3 Turnoff to Interlaken

772.6 Eastern Roselle + Noisy Miner.

775.0 Starlings riding on backs of sheep!

781.9 Flame Robin?

788.6 6 Wallabies.

794.4 Lake Sorell + Interlaken

796.3 3 Swan with 5 + 6 eggs,

Say Song heard is a very faint!!

Pollard Curlew heard

Sibbings soon.

Rancoms call - Yellow Dittbird.

FAL 5 DEC 80

Squid Bay at Kempton

3859.7 km. Old colonial
(1947)

3886.6 - Birchwith \$7.00. Find at 30.9.8

- B.O. km

937.5 Shrub Pandalus wood. Numerous
birds collect in this area

With "strong stable" chip-chip

939.8 Sings Homic. Bulk log trucks.

Poss than Miana great lake in a dam

951.9 ~~to~~ Large Black Cornout on Ave R.

956.7 Little Pine Legom - Fly today for 100's
100's of Oct. also some of B. S. S. S.
Hh Corbe - first of cc 50

975.4 Brute Part.

979.1 Tim Hay 8 1h 16

16

1.32

3.34

5.06

- 5.3pm for day.

- 1.40.30 for day.

Leave Qomun by 3.30pm.

FAR 5 DEC 80

Spent Day at Kempton

3859.7 km. Old colonial
(1847)

3886.6 - Birkwell \$7.00 Fuel at 38.9 Sept
- 18.0 km

937.5 Striped Pardalote least. Numerous
birds common in this area

All with "strong double" "chip-chip"

939.8 Song Sparrow. Both legs broken.

Pero than Miana great debt in a dam

951.9 ~~1.5~~ Large Black Cormorant on Ouse R.

956.7 Little Pine Lagoon - Fly fishing for trout
100% of cost. also some of B. Swans.
H. L. Lough - first of cc 50

975.4 Bronte Park.

979.1 Tim Hay 8 1hr 16

16

1.32

3.34

5.06

- 5.30 pm for day.

- 1.40 30 for day.

leave Quorn by 3.30 pm.

✓ leaving Questionnaire on return to Herbert.

4093.0 Questionnaire findings change one subject.

4184.5 Devereux Bridge \$10.00 petrol
4 1/2 l at 40.9 c/l.

Herbert Henry 4365.5 l. — End of Hire.

Stayed at Terry Leamon's place
12 Queeny Ave, Sandy Bay overnight. — last night.

SAT 6 DEC: First day of 1980 RACON
Congress at Univ of Tasmania. Went
to Casino after dinner at Restaurant
Restaurant.

SUN 7 DEC: Didn't get home till
after 4.30 am. so gave bus trip to Lake
Peckham a miss. Slept till afternoon
then went to Casino with Wendy Leamon
that night.

MON 8 DEC Second day of RACON
Lyon.

early Question on return to Hobart.

4093.0

Question Feels danger
one subject!

4184.5

Descent Bridge \$10.00 petrol
24 1/2 l at 40.9 c/l.

Albert (Hart) 4365.5 l — End of Hire.

Stayed at Jerry Leamon's folks place
12 Quenby Ave, Sandy Bay overnight. — early
night.

SAT 6 DEC:

First day of 1980 RPOA

Congress at Univ of Tasmania. Went
to Casino after dinner at Restaurant
Restaurant.

SUN 7 DEC:

Didn't get home till

after 4:30 am. so gave one trip to take
Parker a ride. Slept till afternoon
then went to Casino with Wendy Leamon
that night.

MON 8 DEC

Second day of RPOA

Congress.

Thurs 9th Dec : Home from Lismo (last day).

at 4.30 am. Up again at 6.45 for breakfast.

Left about for Oxford at 8 am. Light
fog across from Oxford to Mare I.

Working at lunch time. After lunch
left Stephen Davis, Margaret Olsen &
at to lay out markers for bird
census.

Back to Darlington (NPWS
settlement on Mare I.) for Bob & Q

dinner and slept from 9 pm to 5.30 am.

Set off on bird census at 0600 hrs,

back by 9.30 am. Had a sheep then

headed off for second census at 11 am.

Back for lunch at 12.30.

Found
most nothing seen in afternoon. and am
now working today.

Birds seen by me on Mare I.

Penguin Petrel

Flame Petrel

Little Black Cormorant

Black Duck + Shag (3 obs I)

Large Brown Gull with goslings

Raven with 3 small chick

(17)

Thurs 9th Dec : Home from Coiro (Leding).
at 4.30 am. Up again at 6.45 for breakfast.
Left about for Oxford at 8 am. Caught
ferry across from Oxford to Marine I.
arriving at lunch time. After lunch
helped Stephen Olsen, Margaret Olsen &
at to lay out markers for bird
census. Back to Darlington (NPWS
settlement on Marine I.) for lunch &
dinner and slept from 3 pm to 5.30 am.
Set off on bird census at 0600 hrs.,
back by 9.30 am. Had a sheep then
headed off for second census at 11 am.
Back for lunch at 12.30. Joined
mist netting deer in afternoon and am
now working sheep.

Birds seen by me on Marine I.

Pomarine Petrel

Flame Robin

Little Black Cormorant

Black Duck + ducklings - (3 also 2)

Large Brown Grebe with goslings

Loon with 3 small chicks

Black Curlew
Grey Fantail
Grey-spotted Pardalote.
Olive Whistler - heard only.
Golden Whistler - ♀ caught in mist net.
New Holland H. cat.
Sooty Parrot.
Silver Gull.
Black Cormorant
Little Pied Cormorant.
Tree Martin
Velvet Swallow.
Yellow Shrovet Honeyeater
Black-headed H. cat.
Beautiful Fantail.
Yellow Warbler.
White-faced Warbler.
Horsfield Bronze Cuckoo catby -
Black f. Cuckoo Shrike
House Sparrow
Tasmanian Native Hen, with young.
Cattlebird
Butcher Bird heard. ?
Scarlet Robin ♂ with food.

Black Curlew

Gray Parakeet

Grey-spotted Pardalote.

Olive Whistler - heard only.

Golden Whistler - ♀ caught in mist net.

New Holland H. roller.

Six-sp. Parrot.

Silver Gull.

Black Cormorant

Little Pied Cormorant.

Tree Martin

White-bellied Swallow.

Yellow-headed Honeyeater

Black-headed H. roller

Beautiful Parakeet.

Yellow Warbler.

White-faced Warbler.

Horsfield's Bronze Cuckoo calling.

Black f. Cuckoo Shrike

House Sparrow

Tasmanian Native Hen, with young.

Cold-chick

Buteo B. - heard. ?

Scarlet Robin ♂ with food.

Sooty Woodswallows.
 Magpie.
 Silvereye.
 Pair of Hooded Mottled
 Pipit.
 Skylark.
 Scissor-tail heard.
 Peewee Gull ?
 Black-foot Cormorant.
 Coot.
 Yellow + Black Gulls.
 Forster's Raven.
 Puffed Grouse heard.
 Yellow-r. Thrush.

2pm — coast watch
 Shearwater

1407 Large Black C. — feeding in ocean
 Albatross with Kelp + Solus Gulls + "Shearwaters"
 feeding on water surface.
 Crested Tern diving, Pigeon Petrel heard
 a half-heard go at it.

1421 Gannets (2)

1432 Black-h. Cormorant (2)

(19)

Andry Woodswallow.
Magpie.
Silvereye.
Pair of Horned Lark.
Pipit.
Sparrow.
Scrubwren heard.
Pieris butterfly?
Black-foot Cormorant.
Coot.
Yellow t. Black Goshawk.
Forest Raven.
Pallid Cuckoo heard.
Yellow-r. Thrush.

2pm — coastwatch
Shearwater

14.07 Large Black C. — feeding in ocean
Albatross with Kelp + Solis Gulls + "Shearwaters"
feeding on water surface.
Crested Tern diving, Pigeon Petrel heard
a half-heard go at it.

1421 Gannets (2)

1432 Black-h. Cormorant (2)

Ped

1

Forest

Bar

Pro

Sh

Stirling's

Green Anisette.

Beautiful bird.

Podiceps — small dark brown wellly with light
pale from edge of mouth up to chest
(breast), and over each eyebrow.
Light grey underneath. Slightly larger than a Quail.

Amastor Kennerly?

Barnet Valley

Passer.

Stirling's Thrush.

Sterlingia

Green Rosella.

Beautiful Forest

Redemelon? — small dark brown warty with light
petal from edge of mouth up to cheek
(broadening), and over each eye-brow.
Light grey underparts. Slightly larger than a Quaker.

Foresters Keryensis?

Barnett Valley

Passerina.

Ark. eye Thornbill.

(21)

PHOTOS

96 : 25A - 34A

incl. all in Tasmanian

FRI

12 DEC

— still co Maria T.

MAGPIE TERNATORES.

1 Chick - almost ok to fly - dependent.

1 Adolescent - half grey bill, black patches
on brown/grey breast.

+ 5 Adults.

Group to west canyon

4 Adults - 3♀ and 1♂

Tasmanian Thornbill.

♀ ~~Scrub~~ Scrub Wren.

Tellow-rumped Thornbill

Sooty Flycatcher incubating on nest. 20m from
ground. (♂ only)

White-fronted Chat.

Strong-billed Honeyeater.

Korumbore.

Sooty Flycatcher - ♂ + ♀ observed building
a nest on dead branch from tree,

eggs 7-8 on above ground.

Nest appeared almost completed. Bird had wadded with in nest

(21)

PHOTOS 96 : 25A - 34A

incl. all in Tasmanian

FRI 12 DEC — still at Maria T.

MAGPIE TERRITORIES

- 1 Chick — almost ab to fly — dependent.
- 1 Adolescent — half grey bill, black patches on brown/grey breast.
- + 5 Adults.

Group to west canyon

4 Adults — 3♂ and 1 ♀

Tasmanian Thornbill.

♀ ~~Blue~~ Scrub Wren.

Tellow-rumped Thornbill

Sooty Flycatcher incubating on nest. 20m from ground. (♂ only)

White-fronted Chat.

Strong-billed Honeyeater.

Kookaburra.

Sooty Flycatcher — ♂ + ♀ observed building a nest on dead branch from tree.

eggs 7-8 on stone ground.

almost completed.

Nest appeared full but would settle in nest

25 March

I.

dent.

last patches

Then getting old material to outside of nest,
then fly off.

Two trees, 3 + 4 metres on E side of N/S track
(normal). 18 pines south of old fence

Long on ground (running E-W)

Note Solen Thyrodes breeds mainly in Tanzania and
migrates to New Guinea!

Struck Pardaliparus : "Pick it up" - triglytic all.

53 specimens placed on Atlas Sheet.

in form

including

He in nest

25 March

I.

Start.

last patches

Then getting old material to outside of nest,
then fly off.

Two trees, 3 + 4 meters on E side of N/S track
(arrived). 18 pieces south of old fence
lying on ground (running E-W)

Plate Latin *Thyridor* bracts nearly in Tanager and
mycelles to New Guinea!

Struck *Pardalip* : "Pick it up" - triglytic cell.

53 pieces placed on Atlas Sheet.

2 in from

building

He in nest

(23)

From here on, add 10% to mileage (new year forth)

WED 17 DEC 80

Short Lobe (Espresso) 1645 hr.

Light breeze ready 2.08 m

LPC
+ CBC

1st Black Swan with 4 juveniles (apparently fully fledged)

3 WHH

♂ Black Duck plenty activity

Red Wattle very vocal in Cladium

♂ Black Duck scattered thru' reeds.

1 Swamp Harrier

small Grebe.

at least one of the Black Ducks was flightless due to
wing moult.

Arrived 1652 hrs.

Stayed overnight at Belladonia motel.

Thurs 18 Dec Drive from Belladonia to Egge
Bird Observatory. Turnoff is approx 15 km east of
Belladonia Roadhouse.

Saw 2 Chestnut? Quail-thrush on track in

Fri 19 Dec 1980

Birdwatching in bed from 0530 to 0600 hrs.

Major Mitchell Cockatoos.

Grey Currawong

Song Sparrow

Yellow-bellied Miner

Silvereye

Purple-backed Honeyeater.

White-bellied Swallow

Emu with 5 young.

Stephen Debus - Ornithologist - the written
copy paper on Australian Corvids in
Australian Birdwatcher - recently (Peter Curry)
Apparently an excellent paper.

Grey Shrike Thrush v ♀ Golden Whistler.
Tasmanian Winter
Wheatear.

White-bellied? Scrub wren

30 Banded Still (5 ^{very} showing a sign of band)

Peter Curry says types of wader calls
can be obtained from RSPB.

^{Obs} Eyre Hotel — 0.00

On to Beach from behind sand dunes 20.40 km.

20.43 — dead end on beach — turn back

Don't go down to beach!

Reset speeds to 0.00 when back
on top of sandhill ridge. Proceed
on ~~to~~ Twilight Cove.

1.42 km flock of c 150 R. C. Darters
on sand/low dune ridge.

Twilight Cove: White-b. Sea Eagle.

~~Sp~~ White-browed Scrub Wren — stretched
breast (leaving). is maculatus
general in coastal areas —

Singing Honeyeater.

Pacific Gull

Victoria Swallow - 2 . Nest of what presumably
was a swallow seen in small hole in cliff face.
3 New Holland W. Petrels - white eye seen.

3 Longwinged Pigeons .

Ground on top of cliff

Montenotia Kentia .

Major Mitchell

3 large black streaks crawling up cliff face
(Egernia kingii?)

Silverygery

Approx 20 kmms gathered around what must
be a freshwater rock at edge of beach
into Twilight Cove. - some about $\frac{1}{3}$ size (chicks)

Pigeon .

Black-f Chat ? 70%

Red c. Doherty

Crested Tern (immature)

7.21 km Twilight Cove

8.31 Penn. shaggy sp. - ~~Thana~~ Beck .

11.89 Best on beach - Fulmar camp .

19.82 Merianthus (now Billardiera) - beautiful
creepers (dense) - will grow in Redlands.

35-40 Back to Observatory.

(27)

96:354

Pluto of Peter Longene
et Eyre. (Warden)

2 JERRY CANS (PEASIE)
2 JERRY CANS (METAL)

FOR EYRE.

Jan Truarn

Cocklebury

Eyre Mary

via ✓ Norcross -



Blood Snake - what is it?

Electric Pump guards - Peter Longene.

SSSF - green back Sogutri - Donat!

Jan Truarn will come mid January (after 2nd week)
and has to be back at Belknap by 1st of Feb.

Spec) Birds of Western Palau.

Vol 1 - ~~Scrub~~ Ashbird → Dactylochelidon

Vol 2 - Hutton → Gambusia

Vol 3 - Plover → ? Tern?

Peter Curry recommends highly - good model for Australian handbook.

Cong Roberts - from Qld. Elands grad. v. good ornitho nice bloke - HNR RAE job?

Ask JKB about his involvement in Hartman lab - WNF

22nd Dec 1980

Sam Mon AM (5.30 → 7.30 am) 16925 km.

Scrub Robin.

Crowned Bellbird heard.

Goldbeak Warbler heard.

Willie Wagtail heard.

Little Eagle - (Plumage)

Black & Chestnut Shrike.

Weebill

Inland Thornbill.

White-b. Babbler

Quail Thrush.
Yellow-planned Honeycreeper
White-eared " } Peter Linney
Rufous Tree Creeper.
Gray Shrike Thrush.

Woodland of Red Wood (*E. longirostris*
and *E. sclatoris*)
— beautiful country

16926.4 Rufous Tree Creeper
26.6 Brown Pelican
32.3 ♀ Crested Bellbird,
♀ + ♂ Redthroat
♂ + ♀ Blue breasted Wren — ♂ in
full colour.
938.5 Yellow-planned Honeycreeper.
Gray Shrike Thrush (white before eye)
39.4 White breasted Quail Thrush.
955.0 Gray Curlew.

By our old Frontland R. Horn record,

16
170
170
055.
059.0
108.0

Scientific names from Gayley.

16994.4

~~to Banksia~~ Banksia eldersoni
(Smoothed Banksia.)

17016.7

Western Rosella, Yellow-plumed H. cat. .
Yellow Robin.

Yellow-plumed H. cat. with young
following it closely and feeding it.

16.9

Grey Shrike Thrush.
Red Whistler. White-backed Kingfisher
in flower.

17028.1

Cross Roads — Lake Verley 76 miles.
Southern Cross 92 miles.
Norseman 142 miles

Stayed on (west.)

055.2

Ran over and killed medium sized
♂ Grey Kangaroo. Hecce platysperma
(Crested Bell Hecce) abundant in this area.
Also saw ♂ Hooded Robin (no female). Feeding
a juvenile.

059.0

Cross Creek good fence.

108.0

Hyden.

(31)

Q

Brian &
Margaret. Alexander
"Mirigoin"

Clayton Rd.

Truck west towards Williams
approx. 8 miles W of Henry's
12 miles E of Williams.

First fern on right post
the airstrip. 2nd Hott.
on deck. 845239

Fri 2 Jan 1981

Boat out from Fremantle to Point Ron
and stayed overnight with Ken + Grace
parents - Dave + Joan Bowron (+
daughter Judy with son Charles). Met

- Brian + Margaret Alexander and promised
Margaret I would call in on her
one day to take her birdwatching
on nearby land on Myanmaree.

~~Sat 3 Jan~~ In pm of the
day I saw an adult ~~Red~~ ^{Puffin} ~~Booby~~
Gull over Shep Island in Shalwater
Bay. It made an unsuccessful
dive at Brindley Terns on the
beach and then flew away.

Sat 3 Jan

Boat out to
Point Ron drove to Pigeon to
stay with Ken + Jerry.

Sun 4 Jan

Up at 0500 hrs,
out to dam on Boyagin Reserve
Bird watching.

Mon 5 Jan

Up at 0500 hrs and

(33)

out to a small patch of heath
on Boyagin Reserve. Birdwatching
species list for that 10' block
for the two days was:
(116°55'E, 32°25'S)

Striated Pardalote - heard only.

Western Warbler - " "

Rufous Tree creeper

Grey Curlew

28 Perrot

Red-capped Perrot

Western Rosella

Whetbill - seen & heard.

Brush Tongue

Common Brushwing

[saw 2 B-B and 1 C-B drinking at dam.

Magnificent! abundance of seeds in

Pigeon are poor

Forst. some I have positively identified

a Brush Tongue!

Grey Fantail

Red Whistled

Magpie

Raven

Tree Martin

Brown Honeyeater .

Yellow-plumed "

White-necked "

Black-f. Cuckoo Shrike .

Grey Shrike Thrush

Bee Eater

Rufous Whistler .

Golden Whistler .

Slender Woodswallow

Wren — Blue breasted or Red
winged ?

Spotted Scrubwren .

Indus Thrushbill - just looks

Western Spinibill .

White-necked Honeyeater - NY

FIRST RECORD for species !!!

Yellow-necked Thrushbill .

(35)

Upon Reflection : Saw ~~2~~ 2 fresh
Eggs with two dependent young
at road end of Garden Island
on Monday 29 Dec 1980

Thurs 8 Jan '81
Start

12451.7 ← Home → Baywatch
13004.0 — Work.
13027.3 — Henderson
13039.6 — Home

Claim

87.9 km — daily home → WRC + return
distance
in Jan '81 Travelling Claim.

FRI 9 Jan

Start 13039.6
M Henderson 13110.1

12 JAN 81

36

Mon 12 JAN 81

Tandanus Lebe 0710 hrs

White Ibis

Shelduck

Black Duck

Green Ibis

Pied Stilt

White Heron

Pelican

L.H. Black C.

Large Black C.

Little Red C.

Black-f. Duck

Shorebird

Black Duck

Depth gauge 0.90 m — 0.80 m on
gauge

White-fronted Duck

Water sample 48 m from gauge. 0720 hrs.

Track 1.1 km ~~flat~~ just "pine tree" house.

Lake Chardala 0825 hr.

Stem - n. Thin

Great Gnat

White - f. Chat.

White Upright.

Phonon Jang Dry. Lake bed level 0.62 m.

Gray Tail

Black Ant

Blue-bill Ant

Yellow Thin

LPC

Little Gnat (Yellow spot conspicuous)

Blue bill head 1 class II C duckling. Stem

conspicuous in ramp.

Corvids in dense.

Gray Tenthail - vocal

Redstart Fly catcher - vocal.

Redstart Night Heron.

LBC

White Thin

Coat.

Yellow-b. Sparrowbill

12 JAN 81

(38)

Whistling Kite.

After the last duckling had closed a few times
the down on rump was virtually impossible
to detect.

Heavy to heavy - breeding plumage.

Can't quite accept as breeding record yet! . Is
adult here a fluffy patch? . "Whistling"
appeared adult age.

Long Tail gave downy downy.

So this is end of breeding season. A few
large young at nest.

These birds were in a close group of 4. Perhaps
two were young.

Adult jays nesting 0.42 n.
requires replacement.

Water sample at gauge. 0900 h.

Jays crossing !! in Melaleuca at edge
of open water !!

0.62 n.

recursion
down

(39)

Island Throats in low M. ophiolepis region.

- streaked breast, dark/red eye, brownish wing.

Shorebirds feeding in front of low M. ophiolepis region.

Islands had a small ~~water~~ web covering them

~~and water to. These water covered water~~

The web covered a 2m diameter hole in front, running down stream. Inside

water was a "catagithus" (active) species 1 cm long. - light grey/brown.

Wets were fairly numerous in small ponds.

to White faced Heron

Back to vehicle at 0930 hrs.

Bambusa Lake 0955 hrs

Cray Fish

Black Duck

LBC

WTH.

Green frog.

Water depth gauge 1.81 m.

Plate gently regains equilibrium

Water sample <50 m from gauge.

12 JAN 81

(40)

Mink Duck with young approx $\frac{2}{3}$ size
of female and closely following it.
Storm not evident ~~but~~, probably because
both birds were diving.
First 1015 hr.

1024 hr Lobe Mangala - DRY

// Drive 5.2 km along Cambridge Rd from
New Broad Hwy to Turnoff to South.

T31241 - 1100 - 1145 hr.

Depth gauge read 1.58 m.

Water sample ≤ 50 m from gauge

Jay Veil gave destruction display

Red bottlebrush in flower - Photo N° 35.

Could only drive $\frac{1}{2}$ way down the stream
to the lake - too wet & boggy.

96-36A

(41)

Christening Lake

1225 h.

Black Duck

Wood Duck

Coot

LPC

Sn Ibis

Green Egret

Pied Still

Black-bellied Stilt.

5 single adult M. Gulls with 1 young
(approx 1/2 adult size) & closely attending &
being fed.

1 ♂ C. Gull (adult)

Black Duck

Great Crested Grebe - - 2

Little Grebe with yellow spot evident.

Regent - looked like the Swamp Sparrow but
singing out in white base to tail.

White-b. Heron.

LTC

Cong Test.

Depth Gauge (out on lake) 1.00 m

Water depth at gauge.

Foot to which 1055 h.

Mudflats.

12 JAN 81

(42)

Gorge at check structure also read 1.00 m.

Wannamal Lobe 1340 km / steep hill
1425 km.

Shoulder 47 ft

Heathland

Grey Tuck

Black Swan

Stellate

Green Light.

Coat.

smaller patch.

Black Lark

Pink - covered Lark - vocal.

Bandup Still.

W faced Horn

Depth Gorge 0.79 m.

Scarp at gorge. 1440 km.

Heavy mat of "Clare" growing over lobe.

Note that gorge is 500 m north
of the point at which open water over comes
into view. ~~There is~~ There is no
muck off or cleared area.

Yurine Swamp - 1530 hrs.

26 Red Still - 13 were 1st year, rest adult plumage

16 Banded Still

Black-fronted Noddy - 46 counted.

One Banded Still appeared to be a first year bird
with ^{dark} brown wings and pale pink legs.

32 Grey Teal.

One of the Red Still was also first year bird -
no black on neck.

1 Avocet.

2 W. Heron

4 Mottlet.

No signs of chestnut band on any of the
Banded Still.

1 Red-bellied Noddy.

White Herons.

~~Birds~~ Still Count & Teal were
feeding over entire area of lake feeding - v. shallow.

12 JAN 81

(44)

Depth gauge ready 0.11 m.

Sample at gauge.

From at 1556 hrs.

The counts for Yarns were absolute and accurate (total populations).

Karakin Lake 1700 hrs

Dry as chips.

Bottom plate of gauge has lost all point

— urgently requires replacement.

Soundings 1820 hrs - 1825 hrs

2.56 m.

1 Crested Grebe with attendant young
(one, with striped head + neck, approx
1/2 adult size - closely attending)

Black Swan

Mink Duck

Gauge needs attention soon. Datum changed.
Sample taken at gauge.

(45)

CSIRO Wildlife Helens Valley Feb 27 Jan 1981

Brown - swamps - 400-500 acres.
(Maggery)

Hubert Percy Whittell : The destruction of Australian
Birds. A History and Bibliography of Australian
Ornithology. 1954. Paterson Brothers Pty Ltd.
(Perth, Western Australia) (L 3-10-0)

Look at Beverly before this grazing - PWD study
What is bird usage?

Duck range No

	10 bins (each way → 20)	10
	10 bins per bin	9
	5 bins	8
		4-7
		3
	3	2
	9 or 10	1

page 104 of

"The Environmental, Economic and Social Symptom
of Drought" Edited by J.V. Lovett.
Gym + Robertson 1973.

Archibald James Campbell "Nest and Eggs of
Australian Birds" Vols I + II

First Published 1900

First Wren Edition 1974 (500 copies)

\$ 65.00 Two Vol set

Illustrations

Illustrations

By the author

10 study

series

(47)

Carden Island - Box Survey at Vesper

Sun 22 Feb 81

Start:

1320

1320 L

21 Grey Plover + 2

Common Sp. - 1

Turnstone - 3 + 1

Blue +. Gull - 2

Pied O. - 2 + 17

L. B. Skua - 1

Fin:

1343

Sanderling - 4 c 100

~~1000~~

Start:

1400

Entire E. shore of Carden Is. - to Beachhead

1 Lc Plover + 1

Grey Plover - 5 + 1 + 1

Common Sp - 1 + 1 + 1

Totter - 1

Pied O. - 2

Fin: 1520 hr.

Start 1545

CARDEN ISLAND - back on E. side

2 Turnstone

Fin 1600

SAT 18 ~~APR~~ APR 81

(50)

Bangor Nature Reserve - with Ken Willes & Peter Curry.
0705 hrs — At the den.

Grey Parrot.

Brown Honeyeater.

Rufous Treecreeper

Songbird Perch - calling

28 Perch.

Maggie calling.

Common Compass Brown
Tree Martins.

Coloured Sparrowhawk ♀

Squaw hawk - Wooded chest deep and
dark.

Grey Shrike Thrush.

Grey Cuckoo

Western Warbler.

White Wagtail

Western Thrushbill.

Fantail Cuckoo

Warbler

White-eyed [♂] H. cedar.

(51)

~~Jungle birds next to Boyaji Rock.~~

Little Noddies - look for reddish tint
of colour at base of primaries ~~the~~
(from above) to suggest from ~~the~~ Red
Littlebird.

5♂ + 1 ♀ together - Common Booby.
Bare Booby.

~~the~~

Coronite Rock next to Boyaji Rock

White-browed Scrub Wren.

White-necked Honeyeater

Brown-headed H. eater

Little Noddies.

~~the~~ 1st year Rufous Whistler male

SAT 18 APR 81 Contd

Loke Nodding 1400 hrs

Depth Gauge 0.62 m

Mud core flooded and ~~not~~ contained

approx 600 Grey Teal with ~~4~~ Shoveller
and ~~16~~ Pink-winged Duck

4 Banded Stilts.

1 Peregrine Falcon ♀ immature.

1 male Wood Duck.

4 ♀ Chestnut Teal.

Western Flycatcher

Red capped Robin

1 Coot.

End 1435 hrs.

Mon 20 Apr 81

Boysen Nature Reserve 1230 hrs.

Western Warbler heard.

Spotted Pardalote

Yellow-plumbed H. wren

Amphibious Woodswallow

Blue-winged Parrot

Red-capped Parrot

Wren ($\sigma^7 + \text{Q}$), male was in
non breeding plumage. Blue ring
around eye and black in front



Uniform Tanager

Golden Whistler σ^7 adult + Q

Black-faced Cuckoo Shrike.

Wrenbill

Mon 20 April Continued

Brown-headed Honeyeater. 9

White Wrenbill.

Q Whistler (street)

Red-capped Robin.

Yellow-bellied Thornbill

Pipit quietly in tree.

Termite.

Heliconia albopunctata

(55)^a

♀ Hooded Robin.

Bird approx 9" long, quietly sitting on
tree branch (upside). The sound uttered
at any time. Short, pointed black bill,
dark grey back above, smoky grey (lighter) below
becoming lighter as progress to under tail
coverts which were white. Grey tail ^{feathers} underneath
dark line extending from base of bill, then
dark eye and beyond. Lighter yellowish orange
above. White of leading edge to wing
just visible under coverts when resting.
White wing stripe visible when in flight.
and one white feather in center of wing
when resting. Short 5-7 legs. Dropped
to ground occasionally to catch insect,
then flew back up to perch. Some
indecisive watching also. White margin to
under tail feathers. ? longest rather
than glaucous bird. Another nearby
with similar markings.

Live reserve 1150 hrs.

feeding flight & behavior very reminiscent of
♂ Hooded Robin Peter Long & I saw in
Dec last year

Present

Per

2nd Plate

(55)



Shallow decline.

Creek crossing 96.3 Keno place 98.6 (1747 hrs)

Robins 97: 2-4 of ♂ Red legged Robin on road south of Pungelly a few kms.

Thurs 21 APR 81

Shelburne Swamp reserve 1020 hrs.

Grey

Brown Bird

28 Parrot

Western Warbler heard.

Scarlet Robin ♂

Rufous Treecreeper

Yellow-plumed Honeyeater.

Yellow-rumped Thornbill

Weebill - heard. ~~Heard~~ and seen.

Grey Fantail.

Wh. Warbler heard - cough note.

Wh. Warblers high overhead. (lots of Black-faced or Dusky)

Grey Shrike Thrush - heard

Whistler - heard.

Wren - heard.

BENGER SWAMP

TUES 5 MAY 81

strongly bird food [Silvereyes + Perrots]

Sudox - non-feasible hybrid. - Elegant Perrot. *

(⇒ easy to get rid of. *

Present Wildlife Use - what is it? - survey needed.

~~Photo~~ ~~97:5-12A~~

Personnel - monitoring to continue

New H. H. ecter

Silver Eyes

Magenta Lark.

Raven.

Willie Wagtail.

Whitornia Swallow

Typha seed blind in the air.

2nd Photo Stop



2 of Sudox + Typha

1 of Photo Copy. + Swallow

1 of Swallow

Typha - much interaction

Typha Sander.

Fairy Tree Martin.

(57)

Also *prospalum* & *Kikuyu* with *Typha* & *bank*

— plots 11 + 12 (joining)

Martini commonly growing near creek / *land* ^{+ *Typha*}

Bf *Strobilanthus*

Pipt -

Plagi -

Plot 13 - *Live Bank*

Cory Butebute *ally* -

Need to protect Mel. area from fire.

Neuborn *Korak* -

Grey *Teak* in drain

Boyer main drain has a bubble of
irrigation overflows water in summer (in
at present time). Photo 98: 1A

Bf *CShiba* -

98: 2A + 3A

Photo 2 + 3 Mel incense & *Bear*

Shak in *line*. *Owned* by us

Komoc *chomay* -

Dry -

Grey *Ferret* -

Conce *Canoe* *line* -

Scrub *When?*

~~98: 1A~~

98: 4A - 14A

(58)

+ birds

AFB - Lowest before serial photography.

When

Cattle - fencing.

98: 15A

Photo 15 - grassland regrowth with Mel reph predom.

- mow it for hay?

burn it?

regen it?

graze it.

Shrubland area

White - a + Wt Horn. S. east side of swamp

Lake Bamboosa Tues 12 MAY 81

(With Roger Janssen)

Least Grebe 1.21

Water snake taken at water edge.

Blue-billed Duck

Musk Duck

Black Duck

Pink-eared Duck

~~98: 15A - 20A~~

Coy Duck

Wt Grebe

G. Crested Grebe

Little Grebe

White Egret

Yellow-b. Sparrow

White-b. Horn

Sooty IBis

Little Black C.

Hardhead

Little Pink C.

Warbler

Yellow with new birds house 50 m from lake edge
 swims in lake and has boat (dugby) on
 lake as well (over cutting & outboard propeller)
 The brother I spoke to wasn't aware that the
 lake was a Nature Reserve.

3 Forstled White
 Welcome Swallow
 Grey Fantail

↑ 31241 GREENS
 0.69 m ~~1187~~ m Water gauge at gauge 1355 m

CHANDSALCA 1455 hrs -

0.18 m

141 Grey Tail

6 Shelduck

15 Black Duck

2 WPH

2 Grey Fantail

2 Black Swan

1 Avocet

3 Red Stilt

98: 16A - 20A

leaves edge
on
leaves)
that the

Ground level at dry gauge 0.62 (1.02?)
Gauge 1510 hrs
Sample at gauge.

Lake ~~Chatterbox~~ Chatterbox
has the depth gauge

Like bed level 0.33 m

15 cm of mud over bed at lake

Water sample < 50 m from offshore gauge.

Yellow b. Sparrow 4

White Thrush

Gray Tit

So Thrush

Wood Duck

Mourning Dove.

13 Freckled Duck!

19 White Egret.

29 WTH

Black Duck

Shoveller, Pink-necked Duck

Coot. 1630 hrs.

Pied 54H.

1355 hrs

0A

(61)

Lake Hansamal 1710 km

Dry at gauge. Lake bed level 0.23 m.

Gray Trail.

Water sample 100 m north of gauge

Pref. S.H., Bandell S.H.

T4990 (Yanderup) - PWD Excavation of Floodway (64)

Fri 5 June 81

Contractor said

1. Difficult to estimate how long it would take to do all the work ^{by PWD} ~~enough~~ but estimated 6-8 weeks to finish the job.
2. He has not been given instructions on what to do with the windows. If they won't burn he would either spread them out over the cleared area or dig a trench and push them in. [I cast on the point in spreading them out as a diff. species of plants are involved. ie we will be looking for vegetation with Mel. incana not the species from the high ground.

Plan of work to date overleaf.

(65)

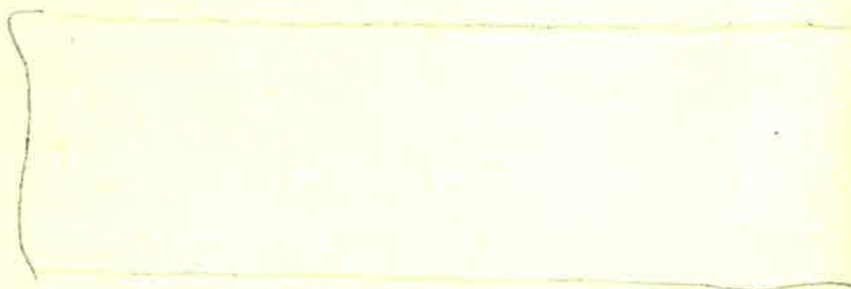
SITN. FRI 5 JUNE 81



Photo 98: 21A - 24A

and 99: 2A - 17A (end of film)

*Exposure showing
from material photo*



(65)

SITN. FRI 6 JUNE 81



Photo 98: 21A - 24A

and 99: 2A - 17A (end of film)

Rolling camera
How much film?



While
clapping
with
(8 E.C.
- me

This me

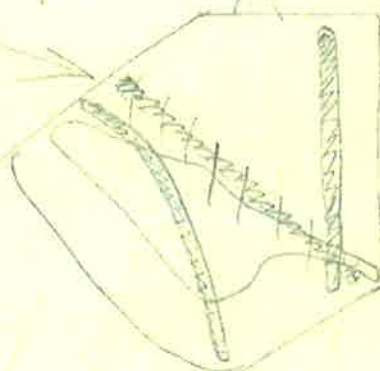


Clear area near station, about 0.5 m, with
a few scattered trees (very small ones) and
some grass.

(66)

Most of the marked area for
clearing has been cleared, but as
soon as the trees
(P.)
are

Canopy
(small trees)



1 piece of

The

Indians
(fresh; have not
to be burnt)

Type of P. 2-3 m high

This area is
... ..

... ..
... ..

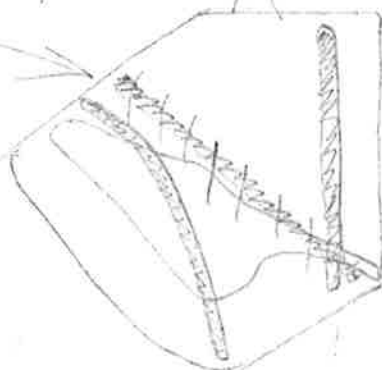
... ..
... ..

Cleared area was *Petalonia* thicket - c. 5 m, with
a few emergent *Equisetum* (many still standing) also
some *Conium*

(66)

Whole of area marked in plan for
clearing has been cleared & laid in
earth (see sketch)
(S.E. end, left of stream)
- see plan

Canopy
(solid end)



Lycopodium

This area cleared

Indians
(fresh, have got
to be burnt)

Types of *Phil. viridis* 2-3 m high

This area is *Petalonia* ~~thicket~~ dense
at one end, with small *Conium*, *Conium*
& *Conium* *viridis* and "garage" (low)

Between *Phil. viridis*, low area *Lycopodium*,
and a lot of small *Petalonia*

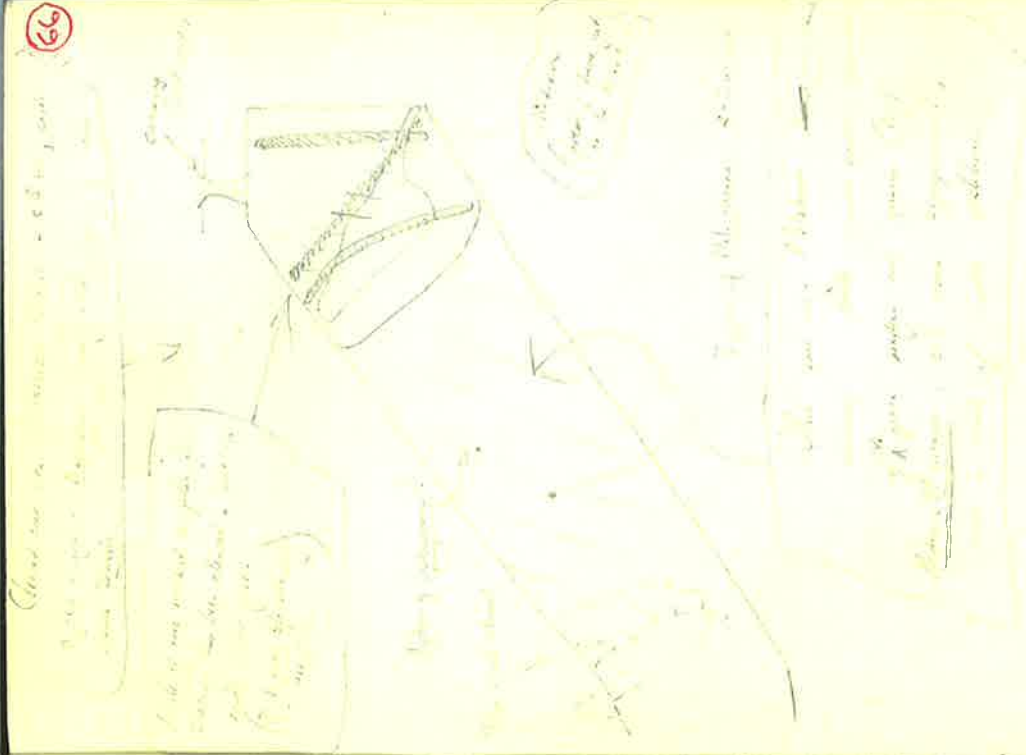
STN. FRI 5 JUNE 81



Ref 98: 21A - 24A

and 99: 2A - 17A (incl. 0.6 ft)

Station 100



(67)

Sun 14 June 18
Lebe Chattering - 1620 hrs
Spd Gauge 1.92 in.
Clear & bright.

Warmed Lebe Sun 14 June
1.02 in 1515 hrs

1 ♂ Must about 1000 ft above
displaying with 5 other ♂ (all with "bees")
acting a bit & close interest, circling
around him, with him close to them
a foot or so when they get to close.
All 6 ♂ clearly following a single
♀ hanging around them.

(68)

For Stephen Davis.

① 6♀ *Notomys mitchellii*

② Cows 127°30' 27°30'