

<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
JL_(1970-84)_19	1984	(15-03-84 / 16-03-84)
JL_(1970-84)_20	1984	(20-09-84 / 05-75)
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)_5	4	(27-10-93 / Dec-93)
JL_(1992 on)_6	5	(14-12-93 / 22-12-93)
JL_(1992 on)_7	6	(23-12-93 / 06-01-94)
JL_(1992 on)_8	7	(18-01-94 / 18-03-94)
JL_(1992 on)_9	8	(21-05-94 / 08-07-94)
JL_(1992 on)_10	9	(03-07-94 / 02-09-94)
JL_(1992 on)_11	10	(02-09-94 / 17-11-94)
JL_(1992 on)_12	11	(22-11-94 / 9-03-95)
JL_(1992 on)_14	12	(15-03-95 / 01-04-95)
JL_(1992 on)_15	13	(02-04-95 / 07-04-95)
JL_(1992 on)_16	14	(07-04-95 / 29-04-95)
JL_(1992 on)_13	15	(29-04-95 / 17-05-95)

TO BE CONTINUED

Jim Lane's Field Notebooks

(INDEX)

<u>PDF Name</u>	<u>Book Label</u>	<u>Approx. Span of Dates</u>
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)
JL_(1970-84)_18	1982-83	(13-03-82 / 18-03-83)



13

NOTE BOOK

No. 560

J. Lane

3/11/92 → 3/8/93

① 3/11/92 Lake Berka

1.15 pm Island

Northing Area: 170 mm long

3m²

88 68
52 64

170 125
295

74

273
68

52 69
75 61
80 57

155 118
60 65
60 58

120 123
243 61

③

$$\begin{array}{r} 61 \\ 68 \\ 74 \\ \hline 3 \overline{) 203} \end{array}$$

68 nests per $9m^2$

$$\Rightarrow 7\frac{2}{9}$$

$$\begin{array}{r} 2300 m^2 \\ \times 7.5 \\ \hline 11500 \\ \hline 16100 \\ \hline 17250.0 \end{array}$$

(5)

Let's Annars Wed 4/11/92

~~1500 km~~

1600 km.

3 3 2 3 2 2 1 3

3 3 3 3 2 3 2 1

3 3 3 1 2 3

0 2 0 0 0

3 1+20 3 0

150 kg x 50 wide

(7)

Rebe Annen

2nd I.

DD
↓

Black Swam, Red Stilt
Rc Dott., Red Kuma Dott.
Ba St.

Best out ever 70 long.

fresh for tracks.

(9)

Nest point 1800 hrs.

9 Bast scapers
at point.

ducks - incl Shell
G-Tail

Free line tracks

(11)

1650 km.

2 ex 53 here chest bands

(17)

"Sven Lake"

24/6/93

1200 hrs

25' Black Swan

depth gauge reading 0.11 m

0.915'

0.980 m depth gauge = 0.540 at datum

1242

(19)

24/6/93

Location

Back Sight

Sight

datum

1.251

(21)

24/6/93

Locn	Backsight	Sight (top of mound)	Sight base of mound
datum 1	1.251	0.767	1.543
mk 1 (Peg 4)		0.767	1.543
mk 2 (Peg 6)		0.958	1.587
mk 2 1.004		0.943	1.577
mk 3		0.960	1.503
mk 4		1.020	1.591
mk 4		1.103	← backsight
mk 5		1.096	1.675
mk 6		1.035	1.579
mk 6		0.932	← backsight
mk 7		1.176	1.550
mk 6		1.225	← backsight

24/6/93

(23)

Locn

fence to N side

Sight
top of
moundsSight
ground level (at base
of mound)

mk 8	1.162	1.598
mk 9	1.102	1.589
mk 10	1.170	1.598
mk 11	1.148	1.567
mk 12	1.165	1.606
mk 13	1.201	1.572
mk 13	1.282	bedrock
mk 14	1.450	1.627
mk 15	1.460	1.579
mk 16	1.395	1.582
mk 17	1.330	1.650 W
mk 18	1.309	1.622

(25) 24/6/93

top

ground

mk 19	1.321	1.619
mk 20	1.310	1.642
mk 21	1.258	1.642
mk 22	1.239	1.699
mk 22	1.084	- back sight.
mk <u>24</u>	1.202	1.495
mk 25	1.120	1.441
mk 26	1.193	1.475
mk <u>22</u>	1.153	- back sight
mk 23	1.180	1.628
mk 27	1.504	1.625
mk 28	1.193	1.643
mk 29	1.273	1.629

(27)

mound

(39)

top

24/6/93

ground

mk 30

1.218

1.646

mk 31

1.188

1.623

mk 32

1.157

1.693

mk 33

1.192

1.686

mk 33

1.158

backsight

mk 35

1.190

1.591

mk 36

1.242

1.590

mk 37

1.258

1.612

mk 38

1.198

1.604

mk 39

1.272

1.514

mk 40

1.235

1.566

~~mk~~ mk 33

1.150

backsight

25/6/93

mk 34

1.439

1.133

→ wrong

No of
Mound

(28)

Mound
Top

25/6/93
Ground

41

1.300

~~1.426~~

1.436

42

1.224

1.442

40

1.258

backing

43

1.284

1.560

44

1.221

1.589

45

1.203

1.618

46

1.322

1.640

47

1.232

1.663

48

1.228

1.626

49

1.314

1.557

50

1.209

1.583

51

1.302

1.644

51

1.167

backing

60 was missing

25/6/93

Top

Ground

(30)

52	1.080	1.443
53	1.067	1.399
54	1.092	1.445
55	1.150	1.458
56	1.080	1.475
57	1.095	1.412
58	1.045	1.398
59	1.178	1.393
61	0.880	1.437
62	1.090	1.482
63	1.152	1.472
64	1.204	1.522
65	1.245	1.491

Peg 2

Peg 1

(32)

Mound
No

Top

25/6/83

Ground

66

1.037

1.472

(Peg
3)

67

1.029

1.498

Datum 1

1.363

" "

1.463

bedrock

(Peg
7)

68

1.049

1.635

69

1.153

1.622

(Peg
8)

70

1.097

1.649

71

1.123

1.568

72

1.148

1.616

73

1.172

1.657

74

1.164 ~~1.164~~

1.608

75

1.049

1.571

76

1.172

1.708

25/6/93

Ground

(34)

Mound
No.top
of mound

77

1.218

1.705

78

1.107

1.642

79

1.165

1.563

80

1.170

1.638

81

1.188

1.656

82

1.165

1.645

83

1.094

1.572

84

1.120

1.578

85

1.217

1.618

86

1.128

1.682

76

0.979

backyard

87

1.007

1.615

88

1.107

1.634

Peg
11
Peg
10

(22)

(36)

Top of
Mound

25/6/93
Ground
Level

85

1.172

backsight

89

1.160

1.540

90

1.114

1.519

91

1.095

1.542

Page
9

92

1.112

1.567

93

1.143

1.568

94

1.066

1.583

95

1.101

1.528

96

1.103

1.578

97

1.199

1.504

98

1.077

1.580

99

1.095

1.618

100

1.135

1.590

(33)

(38)

25/6/93

	Top of Mound	Ground Level
101	1.153	1.605
102	1.177	1.620
103	1.093	1.511
104	1.125	1.528
105	1.035	1.502
106	1.081	1.548
107	1.083	1.481
108	1.165	1.603
109	1.088	1.596
110	1.091	1.461
111	1.138	1.566
112	1.148	1.593
113	1.203	1.567

25/6/93

40

Mound

N^o

Top of

Mound

Ground

Level

114

1.122

1.563

115

1.171

1.504

116

1.153

1.539

117

1.116

1.552

118

1.148

1.583

119

1.154

1.551

120

1.082 ~~1.114~~
2.229

1.400

121

1.114

1.512

122

1.129

1.468

123

1.069

1.430

123

1.201

bed site

124

1.341

1.683

125

1.240

1.590

25/6/93

(4J) Mound
NoTop
of
MoundGround
Level

126

1.282

1.735

127

1.335

1.692

128

1.235

1.719

129

1.262

1.572

130

1.212

1.520

131

1.254

1.682

132

1.209

1.661

133

1.269

1.529

134

1.289

1.543

135

1.281

1.453

136

1.271

1.561

137

1.227

1.628

138

1.263

1.550

Datum 2

1.166

(42) Mound
No

Top of
Mound

25/6/93
Ground
Level

Datum 2	1.018	backsight
mk 139	1.158	1.489
temp marker (a)	1.627	1.489
temp marker (a)	1.520	backsight
	1.292	
Datum 3	1.572	
mk 140	1.128	1.580

1205 hrs 25/6/93

Datum 3	1.371	backsight
mk 141	1.369	1.680
142	1.101	1.581
143	1.090	1.650
144	1.145	1.633

A

pos No 14

(43) Mond
No

25/6/93

Top of
Mond

145	1.074	1.578
145	1.108	backlight
146	1.142	1.611
147	1.110	1.582
148	1.113	1.534
149	1.116	1.543
150	1.157	1.539
151	1.116	1.511
152	1.192	1.542
153	1.165	1.565
<u>154</u>	1.053	1.597
155	1.012	1.624
156	1.270	1.645

25/6/93

(44)

Top of
Mound

Ground

Level

157	1.393	1.650
158	1.156	1.670
159	1.160	1.614
154	1.092	backsighting
160	1.194	1.598
161	1.166	1.595
162	1.168	1.570
163	1.139	1.625
164	1.188	1.586
165	1.110	1.591
166	1.188	1.646
167	1.187	1.598
168	1.187	1.603

(45)

Peg 12

Top

25/6/93

169

1.202

1.575

170

1.152

1.565

171

1.195

1.617

172

1.152

1.581

173

1.143

1.616

174

1.148

1.618

175

1.179

1.627

176

1.155

1.592

177

1.144

1.677

178

1.172

1.691

179

1.164

1.704

180

1.150

1.630

181

1.123

1.643

(46)

Location

Top of
Mound

Ground ^{25/6/93}
Level

Station 4

1.460

(next to
fence)

182

1.159

1.620

183

P35
18

1.154

1.625

184

1.168

1.628

185

1.180

1.636

186

1.119

1.625

187

1.110

1.698

187

1.027

beds of

188

1.065

1.602

189

1.091

1.626

190

1.083

1.650

191

1.033

1.616

192

0.999

1.617

25/6/93

(47)

	Top	Ground Level
193	1.087	1.591
194 ^{Peg 16}	1.123	1.650
195	1.083	1.652
196	1.115	1.665
197	1.121	1.670
198 ^{Peg 17}	1.070	1.633
199	1.140	1.669
200	1.144	1.705
201	1.132	1.669
202	1.109	1.681
203	1.005	1.672
204	1.061	1.664

↖ peg 15 (top broken off)

(48)

25/6/93

205	1.100	1.664
<u>206</u>	1.091	1.663
206	1.120	backsjät
Datum 3	1.390	

★ 287° to observer house
341° to other house
82° to shed

60 Rock Parrots

• 20 Red c. plover + 1 Red Skink.

10x WF Cuck

Little Greenbird heard

Skalduck

SWen

1600 hrs —

(49)

Fri 25 / 6 / 93 contd

Installed 2 depth
gauges at Verse Estuary
Swan colony.

outer gauge (0 - 1.0 m)

arbitrarily set

- depth ~~at~~ reading (~~at~~ actual
depth at site of gauge

= 0.12 m

Time was 5.04 exactly
pm

gauge = 97° to farm house

+ 175° to "Inlet Park" house

(50)

25/6/93

estuary edge (water level) = 0.12 m

1.638 (b.s.)

drainage
level

readings:

datum
(at stream
post)

0.664

1.638 0.974
- 0.664 + 0.12

0.974 1.094

⇒ datum height
is 1.094 m above
0.00 on depth gauge

Man with cane (owner of
"Estuary Park" - Mr Glen Curtis

(51)

6/7/93

Eastern pool - 7005 hrs

55 Swans

Swallows

Shel

1 LGB Lander

Western pool

Westnet

33 Swans

Rock Parrot

Wfthn

Swan Lake

Ground

Loen

Top of Mount

Lander

Datum (4)

1. 264 (b.s.)

210

1.012

1.505

211

0.912

1.482

212

0.965

1.481

213

0.889

1.453

214

0.947

1.427

(52)
Loen.

Top of
Mound

Ground
Level

215
19

215	0.943	1.484
216	1.021	1.498
217	1.023	1.495
218	1.047	1.503
219	1.030	1.472
220	1.040	1.484
221	0.993	1.518
222	1.024	1.501
223	1.004	1.447
224	1.028	1.491
225	0.993	1.488
226	1.036	1.477
227	0.999	1.464

(53)

Top of
Mound

Crowned
Level

228

1.033

1.486

229

0.990

1.514

230

1.048

1.411

231

1.041

1.465

232

0.988

1.456

233

0.969

1.456

234

1.061

1.498

235

1.043

1.436

236

1.141

1.458

237

1.055

1.485

238

1.084

1.450

239

1.045

1.486

240

1.033

1.502

(54)

241 ✓

242

1.8
21 ✓

243

244

245

246

Top

1.050

1.025

0.924

1.008

0.994

0.975

0.954

Ground
level

1.530

1.538

1.535

1.511

1.519

1.494

247

1.010

1.479

datum

No 4

1.483

(bs)

248

1.183

1.639

249

1.261

1.638

250

1.147

1.656

251

1.209

1.680

E of

fence

(54)

241 ✓
242 ¹²³₂₁ ✓

243

244

245

246

~~main~~

247

datum No 4

E of fence
[248
249
250
251]

Top

Ground level

1.050

1.530

1.025

1.538

0.924

1.535

1.008

1.511

0.994

1.519

0.975

1.494

0.951

1.010

1.479

1.483 (bs)

1.183

1.639

1.261

1.638

1.147

1.656

1.209

1.680

Locn. No.	Top of Mound	Ground Level
(55)		
252	1.097	1.665
E of fence 253	1.225	1.632
254	1.325	1.595
255	1.173	1.595
256	1.330	1.631
E of fence 257	1.214	1.625
258	1.225	1.582
259 ^{Reg 20}	1.216	1.610
246	0.971 (bs)	0.971
260	1.353	1.542
261	1.312 1.308	1.560
262	1.267	1.640 fresh material
marker	1.472	
marker	1.543 (bs)	

(56) Locn. No.	Top of Mound	Ground Level
263	1.122	1.604
264	1.139	1.559
265	1.124	1.574
master	1.425	
master	1.474 (bs)	
SE corner [266	1.147	1.555
267	1.242	1.554
268	1.216	1.587

Depth gauge reading 6/7/93
at 1355 hrs = 0.20m.

Mrs ... said swans moved from lake to meadows following rain last week/weekend.

(57)

Wonnamp floodgates 6/7/93

1420 hrs ~~was~~ = - 0.12 m

(ie. minus 0.12 m AHD)

and a small leak in (ie to estuary)

Vasse floodgates 6/7/93

1425 hrs = + 0.18 m

and just flowing out (to sea).

Vasse colony depth gauge reading

6/7/93 = 0.24 m

Wed 7/7/93 - put new gauge in
on N side of Vasse colony. set at 0.24 m
also

all pgs
in book next

(61)

Top of
Ground

Coastal
Level

299	1.078	1.541
(300-38)	1.035	1.517
(301-27)	1.103	1.584
(302-25)	1.074	1.547
303-	1.269	1.535
(304-26)	1.030	1.547

Vasse floodgate depth reading
(measured to nearest cm = 0.19 m AHD)
at 1055 hrs on 7/7/79
ie immediately after leaving Vasse
swan colony site where depth gauge
~~to~~ reading was 0.24 m
(gauge
set arbitrarily)

50C



Don't fly 2.0-247

612

Don't fly

fly 2.0-247

Don't fly

Don't fly

fly 1-47

Don't fly

fly 47-138

Don't fly

fly 138

Don't fly

fly 138-171

Don't fly (Don't)

fly 171-206

Don't fly

Don't fly



9 312828 005602

500



Don't 2.0-247

(61)

Don't 4.1

Don't 1

2.0-247

Don't 2

1-47

Don't 3

68-138

Don't 4

47

Don't 5

140-171

Don't 6 (hand)

142-206

Don't 7

beverage



9 312828 005602

62

Vasse swan colony 7/7/93
Contd

Grant (and Elliot (son)) said
only one of the nest mounds
we looked at this morning (ie
all the Vasse colony mounds) had
nesting material ~~new~~ added to it.

[new datum
height (water level
at 1215 hrs

= 1.681
~~1.677~~

306

—

1.166
~~1.174~~

1.737

~~1.634~~

307

1.209

1.650

305

1.144

1.765

308

1.250

1.769

63

	Top of Mound	Ground Level
309	1.247	1.831
310	1.221	1.733
311	1.190	1.765
312	1.241	1.727
313	1.188	1.699
314	1.571	1.813
315	1.252	1.712
316	1.310	1.785
317	1.153	1.773
318	1.126	1.780
319	1.451	1.791
320	1.314	1.665
321	1.195	1.697

(24)

	Top of Pond	Ground Level
322	1.477	1.836
323	1.318	1.848
324	1.442	1.729
325	1.131	1.756
326	1.140	1.653
327	1.432	1.781
328	1.191	1.739
329	1.313	1.714
330	1.092	1.681
331	1.500	1.825

(6.5)

Worming Colony

1415 hrs

Ground
Level

at fence
Datum

342

335

336

340

341

339

337

338

334

332

333

1.404

1.091

0.972

0.890

1.067

1.048

1.007

1.001

1.096

0.950

1.120

1.040

1.435

1.462

1.530

1.481

1.402

1.401

1.510

1.524

1.518

1.595

1.625

(66)

7/7/93

Wonnemup colony control

343	0.954	1.379
344	0.872	1.368
345	0.924	1.518
346	1.224	1.751
Water level 1435 hrs	1.615	

347	0.956	1.405
348	0.981	1.592

Wonnemup Mangrove reading 7/7/93
1525 hrs = - 0.125 m AHD

(67) 7/7/93 Contd

1540 hrs
Swans around the shoreline
of the Warriner, opposite
the "Tunnel House"

3 Swans standing on top of
mounds (surrounded by water);
one ~~one~~ of these is pulling
nest material up from base
of mound & dropping on top.

(68)

Lake Clifton 20/7/93

0820 hrs

Dyke gauge reading = 4.05 m
a party of 15 Great Crested
Grebe just offshore

20/7/93

Vasse Estuary Swan colony

Quail

2GB

Shov PBD Pel Yb Sb Sbr

Dyke Gauge Reading 0.14 1540 hrs
162 Swans on east side of colony A
at 1440 hrs. 1 adding just in time

Vasse Estuary 21/7/83 Contd

(7.0)

Large crenulate lake near estuary - total of

23 PeBD, 1 ♂ Shel, 1 GREG + 2330 heard
1 pr Quail at edge. 3 at 0835 hr.

Arr to West at 0825 hr

20 PeBD + 2 prs Shel + 1 Sacculina
and 1 Swan rest mound in
middle part + 30 ~~EG~~ Gull Perch

13 PeBD - southern part.

What was the former veg. of the
V-W floodplain?

pool

Long pool directly opposite Vasse A
swan colony 0905 hr.

40 Swans 6 EGs + 1 Marsh Heron

PeBD ducks

3 ~~Sw~~ Swan rest mounds

CSO

Depth gauge 0.13 at 0940 hr

Vasse Estuary 21/7/83 Contd

(7.0)

Large current lobe near estuary - total of

23 PABD, 1 ♂ Shel, 1 GREG
1 pr Quail at edge. ↑ 3 at 0835 hr. + 1 GBD heard

Arm to West at 0825 hr

20 PABD + 2 prs Shel + 1 Sacrid Tit
and 1 Swan rest mound in
southern part + 30 ~~EG~~ Rock Plover

13 PABD = southern part.

What was the former veg. of the
V-W floodplain?

pool

Long pool directly opposite Vase A
swan colony 0905 hr

40 Swans 6 EGs + 1 Marsh Wren

PABD chicks - 3 ~~Sw~~ Swan rest mounds

c50 Dept gauge 0.13 at 0940 hr

(7.1)

21/7/93 Contd.

Vase 2 Swan Islands A+B contd.

0945 hr.

Swans are scattered there +

near Vase 2 A+B Islands. ~~at~~

~~at~~ 3 ⁴ ~~as~~ seen adding
nest material to "mounds" (low
rises out of view. More seen
adding material to high mounds

ask someone tomorrow to spend
day with us at V-W

Species ID, age, regen, other -

Wf Clot - signature -

Kes mel

Richard pfit

(71)

21/7/83 Contd.

Vase 2 Swan colonies A+B contd.

0945 hrs.

Swans are scattered there +

near Vase 2 A+B colonies. ~~at~~

~~at~~ 3 ⁴ ~~seen~~ seen adding
nest material to "mounds" (low
sites out of view. None seen
adding material to high mounds

ask someone tomorrow to spend
day with us at V-W

Species ID, age, reger, other -

Wf Clat - signature -

Kes mel

Richard Pfit

(72)

21/7/93 contd.

Vasse colony Floodgate gauge
reading at 1240 hr = +0.05 m AHD

Womersley Floodgate depth
gauge reading = +0.09 m AHD
at 1250 hr

Walked across railway to
Womersley Swan colony —
Swans in general area but
not in rocky area. approx
5 mounds having material added

(73)

21/7/93 Contd.

see photos - 1 appeared to
be the first beginnings of
a brand new mound.

Water level has been approx
20 cm higher in recent days,
as evidenced by water marks
on grass and large quantities
of horse shit washed over
the grass. The Vellod

bar to vehicle - arrived 2.15pm
Horses have access to eating
on north side.

No signs standing or sitting
on mounds.

(74)

21/7/93 Contd

"
Swan Lake Colony

Sue Walker said many white
feathers on one nest mound recently
suggested a fox had killed a swan.

Depth at 1450 hrs 0.48 m

Swans active than nest area

1 Marsh Heron, Kestrel.

1500 hrs - 17 Swans standing/sitting
on top of mounds - all in
eastern part of Swan Lake.
(Count counted 18)

75

Quail

21/7/93 Contd

1525 hrs

12 Standing 3 sitting = 15

1540 hrs counted 270

Swans @ Swan Lake - (145 in eastern part)

Current counted 272 Swans

Before next trip

Grant: keys to scaphine ID for me.

: scaffolding?

: step ladder + telescope for me

: 1m depth gauge for Womersley

(75)

Qmail

21/7/93 Contd

1525 hrs

12 Standing 3 sitting = 15

1540 hrs. counted 270

Swans in Swan Lake - (145 in eastern part)

Current counted 272 Swans

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: scaffolding?

: step ladder + telescope for me

: 1m depth gauge for Wannop

76

Thurs

3/8/93

Lebe Ch. Pori

depth gauge

4.11 m

c 0845 hr

Equet (Anstrich)

Depth gauge

0.14 m

3/8/93

0920 hr

77

Tues 3/8/93

Conce Forest Rd end
of Lowings at 1310 hrs.

- Whistly like over songline
- (sp?) - blue tailed Wren in songline
- white - f chat " "
- 2 Silvereyes in " "

1355 hrs.

$$\begin{array}{l} 98 \text{ Swans on nests} \\ + 1 + \text{fence line (3)} = 97 \end{array}$$

88 sitting

only 1 actually in act of adding ~~nest~~ material to their nest
- rest quick 2.30 pm
NE Strong wind

fine + strong

(77)

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Conce Forest Bel Rd end
of Lowings at 1310 hrs

- Whistly like over scyphus
- (sp?) - blue tailed Wren in scyphus
- white - f chat " "
- 2 Silvereyes " "

1355 hrs

98 Scaus on nests
+ 1 + fence line (3) = 97

88 sitting

only 1 actually in act of adding ~~nest~~ material to their nest
- rest quiet 2.30 pm

fire + song

NE
Strong wind

(78)

Marked Nest -

N^o 12 - 1 sitting - head down

N^o 13 - 1 " " "

N^o 16 - 1 " " "

(bird in front)

Swans counted

185 — Eastern point

162 — Western point

347 — total

Western
point
[19 swans on nests
 (10 sitting + 9 standing)
 0 adding nest material

(79)

3/8/93 cont'd

Star "Swan Lake" Colony

Depth ~~0.55~~ m — checked at
0.55 m — 3.40 pm

Nest No 6

11 — Swan standing on top
preening — much new material

6 — ditto

3 — ditto

House as observation point

1505 hr

Wester
area

Swans on mounds

- sitting	- 16	] → 25
- standing	- 9	
- adding material		- 0 1515 hr



(80)

in eastern
area
of Swan Lake

3.15 —

~~3.20~~ 3.20
pm

Swans + Nests

- sitting 86 } → 101

- steady 15 }

- addy. material = 10

↑ or pulling up from sitting
position

Total Swan Count — 1525 hrs —

E — 227 } → 407
W — 180 }
in total

(81)

1535 hrs

Nest No

2 — [no new material, no
swan in vicinity]

4 — ditto

6 — [Swan sitting, much new
material]

3 — [no new material (?)
no swan in vicinity]

7 — [much new material on,
no swan on nest]

11 — [much new material,
Swan sleeping on nest]

10 — ditto

9 — [no new material (?)
no swan on nest]

Swan on
nest
No 8

(82)

the single one

25-30 cm ID culvert
from bedlow level
open - would flow
in 10-20 cm increase
in lake level

- see photo.

1625 hr

3

bedlow flap valves open 5°
by hydrostatic pressure &
water flowing out

Photo 7D

No 372 marked on structure

water level $\frac{1}{2}$ way up culverts

Gauge board (lucky) reads 0.26m

(83)

3/8/93

1635 hrs

Contd.

Martins + Swallows feeding

over seaplane marsh on

W side of Linders level.

- adult migration evident

5.10 pm depth gauge

reading of Wannup Floodgate

= +0.13 m AHD

(water level higher on sea side)

5.15 pm Vosse Floodgates

+ 0.06 m AHD

Water level higher on ocean

side - leaking -