

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer ERIC H. SEDGWICK phone 097291371

Address 20 HERBERT RD HARVEY

Wetland Nature Reserve name BENGER SWAMP

P.W.No. 230 Part No.

Date of Survey 1906 1982 Start/Finish 07.4.0 09.4.5 Sheet of

1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity.
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

058 COUNT COVERS BIRDS SEEN IN OPEN - DOUBTLERS MANY MORE IN TYPIA.

524 "TENTATIVE" CALLS HEARD IN THREE AREAS
522 (525 IN RECORD BOOKLET) CALLING IN 10 AREAS - TOTAL IS APPROXIMATE

TOTALS GIVEN FOR OTHER SPECIES ARE THE SUM OF THE SUB-TOTALS OF BIRDS SEEN ON WATER OR IN OPEN. THESE SUB-TOTALS FOR 208-211 INCLUDE APPROXIMATIONS I.E. ESTIMATES
T for open water, spp. 2-7.

(put P's rather than T's for spp. 2-7) Rf
see note on FA

SPECIES	
English Name abbrevn. (4 letters)	RAOU Atlas No.

1 Pu Sn 0,5,8

2 Wf Wn 1,8,8

3 Swan 2,0,3

4 Shul 2,0,7

5 Pa BD 2,0,8

6 Sy Te 2,1,1

7 Harb 2,1,5

8 Ma Ha 2,1,9

9 C Rew 5,2,4

10 Li ga 5,2,5

11

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Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HOW
---	--------------------------------------

BREEDING: Tick ✓ if these categories were observed...					
dd	DR	SN	e	yn	

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey,

3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

Sheet Ref.

37

Observer

Comb. // Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form // put extra comments on bar' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

Transfer from 7A
Computer Form for use in the Survey of

WATERBIRD USAGE

Wetland Nature Reserves
vested in the
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South-West & Eucla Divisions.

Address 20 HERBERT RD HARVEY ^{PHONE} 7-5117

P.W.No. 230 Part No. _____

0.807 1.982 0.730 1.015 ...eq. 1.00 pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☐ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☐ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☐
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☐

Comments:

English Name	RAOU
abbrevtn. (4 letters)	Atlas No.

Total number of birds recorded (last digit ↓)

T or P:
Total
Partial
Count
ψ HOW

BREEDING:
Tick \checkmark if these
categories were
observed...

Use the
Wetland Map on
the back of
this form
to mark...

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey;

3. any other relevant information

OFFICE USE

430

P.W. No.

1

Part

1 1 1 2

Sheet Ref

37

Observer

Comb. // Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

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RAOU

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Computer Form for use in the Survey of

WATERBIRD USAGEof
Wetland Nature Reservesvested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.Observer Eric H. SEDGWICK phone 097291371Address 20 HERBERT RD, HARVEYpostcode 6220Wetland Nature Reserve name BENGER SWAMP.P.W.No. 230 Part No. 1 Benger Swamp.Date of Survey 25/08/1982 Start/Finish 0730/1020 Sheet 1 of 1

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L); medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Swans: Downy young. Four broods noted 3, 5, 1, 3.Widge: Probably Hardhead.Method: As before, only birds on or by open water were counted - others could have been present in the extensive reed bedsReed Warblers - Grass birds were estimated, as before, two to each singing area.

SPECIES

English Name
abbrev'd
(4 letters)RAOU Atlas
No.Total number
of birds
recorded
(last digit ↓)T or P:
Total
or Partial
Count
↓ HOBREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 HhGb? 06200002 T2 LiBc 09700002 T3 LpiC 10000002 T4 SacI 13900001 T5 Shel 20700001 T6 Swan 20300141 P7 PzBD 20800064 P8 GyTL 21100003 P9 Shov 21200001 P10 Hard 21500054 P11 BliD 21600019 T12 MusD 21700033 P13 Matta 21900002 T14 PuSn 05800005 P15 CRoW 52400014 P16 LiCh 52500012 P ✓17 Widge 83800014 T

18

19

20

Use the
Wetland Map on
the back of
this form
to mark...

C/V

21. approximate
positions of
any active
nests found
(SN, e, yn).2. the route
of your
survey,3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

Sheet Ref.
37

Observer

Comb./Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on bac or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 947291371

Address 20 HERBERT RD, HARVEY.

Wetland Nature Reserve name BENGER SWAMP.

P.W.No. 230 Part No. 1 (Benger Swamp).

Date of Survey 1.8.82 Start/Finish 07.00 Sheet 1 of 1
eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments: The number of cygnets present is now significant - perhaps 15% of the Swans counted.

As before, only birds on open water were counted - others, eg. Mask Duck & Swamphen, were almost certainly present in the reed beds.

Reed Warblers & Grassbirds were counted as before - two to each singing station counted.

Level of swamp is now high - probably the main reason that I saw only one Swamphen - no muddy margins to Typha beds.

SPECIES

English Name
abbrevn
(4 letters)

RAOU Atlas
No.

Total number of birds recorded (last digit ↓)

Tor P: Total or Partial Count
↓ HOV

BREEDING: Tick ✓ if these categories were observed...
dd DR SN e yn

1 WSG 820 062

21 T

2 LPic 100 097

5 T

3 GntE 187

1 T

4 SacI 179

9 T

5 Swan 203

3 1 2 T

6 Shel 207

3 T

7 PaBD 208

1 7 T

8 GntI 211

8 T

9 Shov 212

9 T

10 Hard 215

1 0 5 T

11 BbiD 216

1 3 T

12 MusD 217

4 4 P

13 Malta 219

2 T

14 PuSn 058

1 P

15 Coot 059

1 3 T

16 Chew 524

2 8 P

17 LiGb 522 577

1 8 P ✓

18

19

20

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey;
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

4

Sheet Ref.

37

Observer

Comb/Spare

RETURN to
69 Lanark
St, Coolbinia,
WA, 6050.

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RAOU Royal Australasian Ornithologists Union

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer D. F. JAMES phone 3970059
 Address 283 Commercial rd Forrestdale
 Wetland Nature Reserve name Benger Swamp
 P.W.No. 230 Part No. 1

Date of Survey 06/1/1982 Start/Finish 10.30/19.00 Sheet 1 of 2
 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. M
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. B

Comments:

163 cygnet counted - all ages.
 found 5 nests of coot with eggs. - (typha)
 2. CRew nests almost complete. "

SPECIES		Total number of birds recorded (last digit)	T or P: Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd DR SN e yn
1 Coot	05.9	26.5	P	✓
2 Swan	2.0.3	28.5	P	✓
3 A Pel	1.0.6	4.1	T	
4 LIGd	5.2.2	8	P	✓
5 CRew	5.2.4	4.6	P	
6 PuSn	0.5.8	1.1	P	
7 Hard	2.1.5	4.9.8	P	✓
8 GBD	2.0.8	3.4.3	P	✓
9 GytL	2.1.1	1.5.6	P	
10 Shel	2.0.7	5.4	T	
11 MoHo	2.1.9	4	T	
12 PCHn	1.8.9	2	P	
13 WFFHn	1.8.8	1.6	P	
14 GntE	1.8.7	6	P	
15 RNhn	1.9.2	2	P	
16 MoSD	2.1.7	1.4	P	
17 BbID	2.1.6	2.7	P	
18 LPIc	1.0.0	2.2	P	
19 LIBC	0.9.7	3	P	
20 SnkI	1.8.0	3.2	P	

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2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

5
Sheet Ref.

1.8

Observer

111
Comb/Spare

RETURN to
69 Lanark
St, Coolbinia,
WA, 6050.

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RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer D.F. JAMES phone 3970 059
 Address 283 Commercial rd. Forrestdale postcode 6112
 Wetland Nature Reserve name Benger Swamp
 P.W.No. 230 Part No. 1

Date of Survey 06/11/1982 Start/Finish 1,03,0/1,9,00 Sheet 2 of 2
 eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. M
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. B

Comments:

SPECIES		Total number of birds recorded (last digit)	T or P: Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 Soc I	1,7,9	...72	P					
2 Bw St	1,4,6	...17						
3 Hh Gb	0,6,2	...83	P					
4 All qnd	2,0,2	...23	T					
5 Shov	2,1,2	...5	P					
6 Noos	1,5,4	...4	T					
7								
8								
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Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

6

Sheet Ref.

1,8

Observer

111

Comb./Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

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South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 097391271

Address 20 HERBERT ROAD, HARRYVEY

postcode 6220

Wetland Nature Reserve name BENGER SWAMP

P.W.No. 230 Part No. 1

Date of Survey 10/12/1982 Start/Finish 0625/1015 Sheet 1 of 2

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L); medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: With the number of ducks present, it goes almost without saying, the figures for the three common species, & also for Coot, are somewhat approximate, but I consider a better alternative than a figure for a vast number of unidentified ducks.

Weather conditions appeared to favour Swanlike activity - I do not suppose that there were twice as many as there were last month, as suggested by the figures.

SPECIES

English Name
abbrev'd
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit)

Tor P:
Total
or Partial
Count
↓ HO✓

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 uisg 820

... 50 T

2 APel 106

... 73 T

3 LibC 097

... 7 T

4 LPiC 100

... 77 T

5 PcHn 188

... 4 T

6 WBHn 188

... 11 T

7 GntE 187

... 10 T

8 RNhn 192

... 2 T

9 AusB 197

... 1 P ✓

10 SacI 179

... 12 T

11 Swan 203

... 85 T

12 Shel 207

... 72 T

13 PoBD 208

... 900 T

14 GyTI 211

... 700 T

15 Shov 212

... 10 T

16 PeaD 213

... 4 T

17 Hard 215

... 440 T

18 Mand 202

... 1 T

19 BhiD 216

... 20 T

20 MusD 217

... 3 P

Use the
Wetland Map on
the back of
this form
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2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

7
Sheet Ref.

37

Observer

111

Comb. // Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

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WATERBIRD USAGE

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Observer ENG H. SEDGWICK phone 097391271
Address 20 HERBERT RD. HARVEY.

Wetland Nature Reserve name BENGER SWAMP.

P.W.No. 230 Part No. 1

Date of Survey 10/12/1982 Start/Finish 0625/1015 Sheet 2 of 2

10121982 06251015...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments: I encountered an obviously very confident ornithologist from Tanzania who had evidently spent the night in the swamp. He had seen Spotless Cranes & what was apparently Spotted Cranes. He seemed particularly interested in cranes.

I did not make a count during my second visit to Benger in November - on 25 Nov. but it may be of interest that 6/9 White necked stilts were present. (1) 2 Crested Grebes 6/11 8 Bush Pitters, seen at surrounding close quarters.

SPECIES

English Name abbrevn. (4 letters) RAOU Atlas No.

1 MaHa 219

2 PuSn 058

3 Coot 059

4 BwSt. 146

5 Woos 158

6 Gank 110

7 Whit 110

8 CRew 524

9 LiGd 522

10

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Total number of birds recorded (last digit ↓) Tor P: Total or Partial Count. ↓ HO

... 4 T

... 11 T

... 130 T

... 6 T

... 2 T

... 2 T

... 2 T

... 18 P

... 12 P ✓

BREEDING: Tick ✓ if these categories were observed... dd DR SN e yn

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
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OFFICE USE

230

P.W.No.

1

Part

8

Sheet Ref.

37

Observer

111

Comb./Spare

RETURN to

69 Lanark

St. Coolbinia,

WA, 6050.

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Wetland Nature Reservesvested in the
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Authority & situated in the
South-West & Eucla Divisions.Observer Eric H SEDGWICK phone 097291371Address 20 HERBERT RD, HATTRVEY,postcode 6220.Wetland Nature Reserve name BENGER SWAMP.P.W.No. 230 Part No. 1

Date of Survey

Start/Finish

Sheet 2 of 212/11/19820700/1020

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

uigb Probably mainly, if not entirely, Hoary-headed Grebe.

uiddk Probably mainly Handhead.

SPECIES

English Name
abbrevn.
(4 letters)RAOU
Atlas
No.Total
number
of birds
recorded
(last digit ↓)Tor P:
Total
or Partial
Count
↓ HOYBREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

21 Coot 059

, 205 T

22 Ba St. 147

, 3 T

23 Woo S 154

, 15 T

24 Gank 158

, 2 T ✓

25 Chw 524

, 24 P /

26 LiGb 522

, 8 P ✓

27 Uigb 820

, 26 T

28 uiddk 838

, 34 P T

9

10

11

12

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Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
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(SN, e, yn).2. the route
of your
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OFFICE USE

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P.W.No.

1

Part

9

Sheet Ref.

37

Observer

Comb/Spare

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Wetland Nature Reservesvested in the
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Authority & situated in the
South-West & Eucla Divisions.Observer Eric H. SEDGWICK phone 097291371Address 20 HERBERT RD, HARVEY.Wetland Nature Reserve name BENGER SWAMP.P.W.No. 230 Part No. 1Date of Survey 04.01.1983 Start/Finish 05.45 09.05 Sheet 1 of 1

eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X4. Used a telescope (T)? If not, put an X. X5. Used a boat (B)? If not, put an X. XComments: Snk Ibis: Over 50% of the birds counted were in transit over the Swamp. Even so, the number feeding was high & a reversal of the trend, since 1980, to a dominance of Sacre Ibis.Musk Duck: Seen only in drainage channels: normal at this time of year. Swan - high proportion of bird & year. Swamp: Increase probably more apparent than real - due, probably, to existence of mud flats near typha.Drainage commenced between Dec. count & Jan count. Water levels had fallen dramatically.Methods of counting - as before detailed in earlier returnsSPECIES
English Name
abbrevtn
(4 letters)RAOU
Atlas
No.Total
number
of birds
recorded
(last digit y)Tor P:
Total
or Partial
Count
y HOYBREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 APel 106

... 34 T

2 LPic 100

... 1 T

3 PaHn 189

... 20 T

4 WS Hn 188

... 109 T

5 GteE 187

... 25 T

6 SacI 179

... 50 T

7 SnkI 180

... 529 T

8 YbSh 182

... 4 T

9 Swan 203

... 47 T

10 Shel 207

... 451 T

11 PaB.D 208

... 223 T

12 GyTI 211

... 155 T

13 MusD 217

... 10 T

14 MaHa 219

... 2 T

15 PaSn 058

... 74 P

16 BtoP 144

... 4 T

17 CreW 524

... 32 P

18 LiGb 522

... 12 P #0

19 Shov 212

... 65 T

20

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
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any active
nests found
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survey,3. any other
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information.

OFFICE USE

230

P.W.No.

1

Part

10

Sheet Ref.

37

Observer

11

Comb/Spare

RETURN to
69 Lanark
St, Coolbinia,
WA, 6050.

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RAOU

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WATERBIRD USAGE

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Wetland Nature Reserves
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Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 097291371
Address 20 HERBERT ROAD, HARVEY.

Wetland Nature Reserve name BENGER SWAMP.

P.W.No. Part No. 1

Date of Survey 05/07/1983 Start/Finish 07.30/09.45 Sheet 1 of 1

eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Swamp level high.

Swamphen: Total is of birds seen

Grassbird: Calls heard in five areas.

Two birds seen. Ten is an estimate.

Black Duck: Some birds counted may have been of other species.
eg. Hardhead but Black Duck were decidedly dominant.

SPECIES

English Name
abbrevn.
(4 letters)

RAOU Atlas
No.

Total number
of birds
recorded
(last digit y)

Tor P:
Total
or Partial
Count
↓ HO✓

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 LpC 1.0.0

2 WtHn 1.8.8

3 Grt E 1.8.7

4 Sac I 1.7.9

5 Swan 2.0.3

6 Shel 2.0.7

7 RBD 2.0.8

8 Gyt 2.1.1

9 Shov 2.1.2

10 Hard 2.1.5

11 MusD 2.1.7

12 Melta 2.1.9

13 PuSn 0.5.8

14 Coot 0.5.9

15 LiGb 5.2.2

16 uigb 8.2.0

17

18

19

20

Note: enter data for additional species on a separate form / put extra comments on back r on attached sheets / complete all questions & relevant sections / check all data / print clearly.

Use the
Wetland Map on
the back of
this form
to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

2.3.0

P.W.No.

1

Part

1.1

Sheet Ref.

3.7

Observer

1

Comb./Spare

RETURN to
69 Lanark
St, Coolbinia,
WA, 6050.

RAOU

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 097291371

Address 22 HERBERT ROAD, HARVEY.

postcode 6220

Wetland Nature Reserve name BENGER SWAMP

P.W.No. 230 Part No. 1

Date of Survey 08/08/1983 Start/Finish 07.45/1.00 Sheet 1 of 1

eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. L
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Water level high. Distribution of birds

uneven - northern pools almost deserted -
? reaction to light N. Wind

Swan: Numbers down. ? Birds at nests.

Gloss Ibis ? Assessed on basis of two at
Reed Warbler each calling area noted. -

? Reed Warblers not yet calling

Suzerphens: Sightings recorded. Virtually
no mud flats exposed. ? Birds in Typha.

Musk Ducks: Only sightings recorded -
? Birds hidden by Typha. Hypothesis

supported by calls.

SPECIES

English
Name
abbrevn
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit)

Tor P:
Total
or Partial
Count
Count

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 HhGb 0.6.2

... 16 T

2 AuGb 0.6.1

... 1 T

3 LPiC 1.0.0

... 10 T

4 WEH 1.8.8

... 1 T

5 GtE 1.8.7

... 1 T

6 SacI 1.7.9

... 6 T

7 Swan 2.0.3

... 112 T

8 Shul 2.0.7

... 2 T

9 PaBD 2.0.8

... 6 T

10 PeaD 2.1.3

... 2 T

11 Hard 2.1.5

... 142 T

12 BbiD 2.1.6

... 29 T

13 MusD 2.1.7

... 15 P

14 MaHa 2.1.9

... 4 T

15 PuSn 0.5.8

... 6 P

16 Coot 0.5.9

... 50 T

17 CREW 5.2.4

... 4 P

18 LiGb 5.2.2

... 18 P ✓

19 uigh 8.2.0

... 3 T

20

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Use the
Wetland Map on
the back of
this form
to mark...

C/V

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1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey.

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

12

Sheet Ref.

37

Observer

...

Comb./Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form / put
extra comments on back ~ on attached sheets / complete all ques-
tions & relevant section / check all data / print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eric H. SEDGWICK phone 091241341

Address 20 HERBERT ROAD, HARVEY postcode 6220

Wetland Nature Reserve name BENGER SWAMP.

P.W.No. 230 Part No. 1

Date of Survey 13.09.1983 Start/Finish 07.15 10.00 Sheet 1 of 1

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W.
2. Put an "A" if you are confident that you found all species present (otherwise put 'N'). ☒ N.
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X.
4. Used a telescope (T)? If not, put an X. ☒ X.
5. Used a boat (B)? If not, put an X. ☒ X.

Comments: Black Swan: Brood of from 2 to 6 totaling 80 - almost all small, downy, eggs. ? Some birds still at nests in reeds.

Black Duck: One brood of six very small downy young - swimming with one adult on drain.

Swamp: Only birds seen were counted. Water levels high: suitable feeding areas in open almost nil.

Reed Warbler } Little song. ? Quiet phase of breeding cycle.

Crossbill }

Musk Duck: Presence of birds in reeds deduced from calls.

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...
English Name abbrevn (4 letters)	RAOU Atlas No.			dd DR SN e yn
1 HhGb	0.52	... 3 P		
2 AuGb	0.61	... 3 P		
3 LPic	1.0.0	... 8 T		
4 SacI	1.7.9	... 17 T		
5 Swan	2.0.3	... 27.9 T		✓
6 Shul	2.0.7	... 1 T		
7 PBD	2.0.8	... 30 T		✓
8 Uigb	8.2.0	... 12 T		
9 Shov	2.1.2	... 1 T		
10 Hnd	2.1.5	... 66 T		
11 BbID	2.1.6	... 66 T		
12 MWD	2.1.7	... 28 P		
13 Malte	2.1.9	... 2 T		
14 PnSm	0.5.8	... 5 P		
15 Coot	0.5.9	... 50 T		
16 SigL	1.2.5	... 1 T		
17 CRW	5.2.4	... 8 P HO		
18 LiGb	5.2.2	... 6 P HO		
19				
20				

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey.

3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

1.3

Sheet Ref.

3.7

Observer

Comb./Spare

RETURN to
69 Lanark St., Coolbinia, WA, 6050.

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer RPT phone _____

Address _____

Wetland Nature Reserve name Benger Swamp postcode _____

P.W. No. 230 Part No. 1

Date of Survey 11/08/1983 Start/Finish 1.1.1.0 1.1.3.0 Sheet 1 of 1

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

Quick look by driving car to the first hump in track (at the first gate').

Full.

BbiD in one raft on S basin

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>Hard</u>	<u>2,1,5</u>	<u>30</u>	<u>P</u>					
2 <u>Swan</u>	<u>2,0,3</u>	<u>10</u>	<u>P</u>					
3 <u>PuSa</u>	<u>0,5,8</u>	<u>2</u>	<u>P</u>					
4 <u>MusD</u>	<u>2,1,7</u>	<u>1</u>	<u>P</u>	✓				
5 <u>SacI</u>	<u>1,7,9</u>	<u>60</u>	<u>P</u>					
6 <u>BbiD</u>	<u>2,1,6</u>	<u>58</u>	<u>P</u>					
7 <u>Wigh</u>	<u>8,2,0</u>	<u>10</u>	<u>P</u>					
8 <u>Matta</u>	<u>2,1,9</u>	<u>1</u>	<u>P</u>					
9 <u>PaBD</u>	<u>2,0,8</u>	<u>1</u>	<u>P</u>					
10 _____								
11 _____								
12 _____								
13 _____								
14 _____								
15 _____								
16 _____								
17 _____								
18 _____								
19 _____								
20 _____								

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W. No.

1

Part

1,4

Sheet Ref.

70

Observer

Comb./Spare

RETURN to Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on 'bar' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

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Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGEof
Wetland Nature Reservesvested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.Observer RPT phone _____

Address _____

Wetland Nature Reserve name Benger Swamp postcode _____P.W.No. 230 Part No. 1Date of Survey Start/Finish Sheet 1 of 110.09.1983 14.05 14.30...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. M
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Balmey weather. See Map.Used full-length waders. Water upto waist in drain crossing but otherwise only kneedeep.Quick walk to assess condition of swamp in this area. A bit open for some species.Still.

SPECIES

English Name
abbrevn.
(4 letters)RAOU Atlas
No.Total number
of birds
recorded
(last digit ↓)Tor P:
Total
or Partial
Count
↓ HOVBREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

Use the
Wetland Map on
the back of
this form
to mark...

C/V

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1. approximate
positions of
any active
nests found
(SN, e, yn).2. the route
of your
survey.3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

15

Sheet Ref.

70

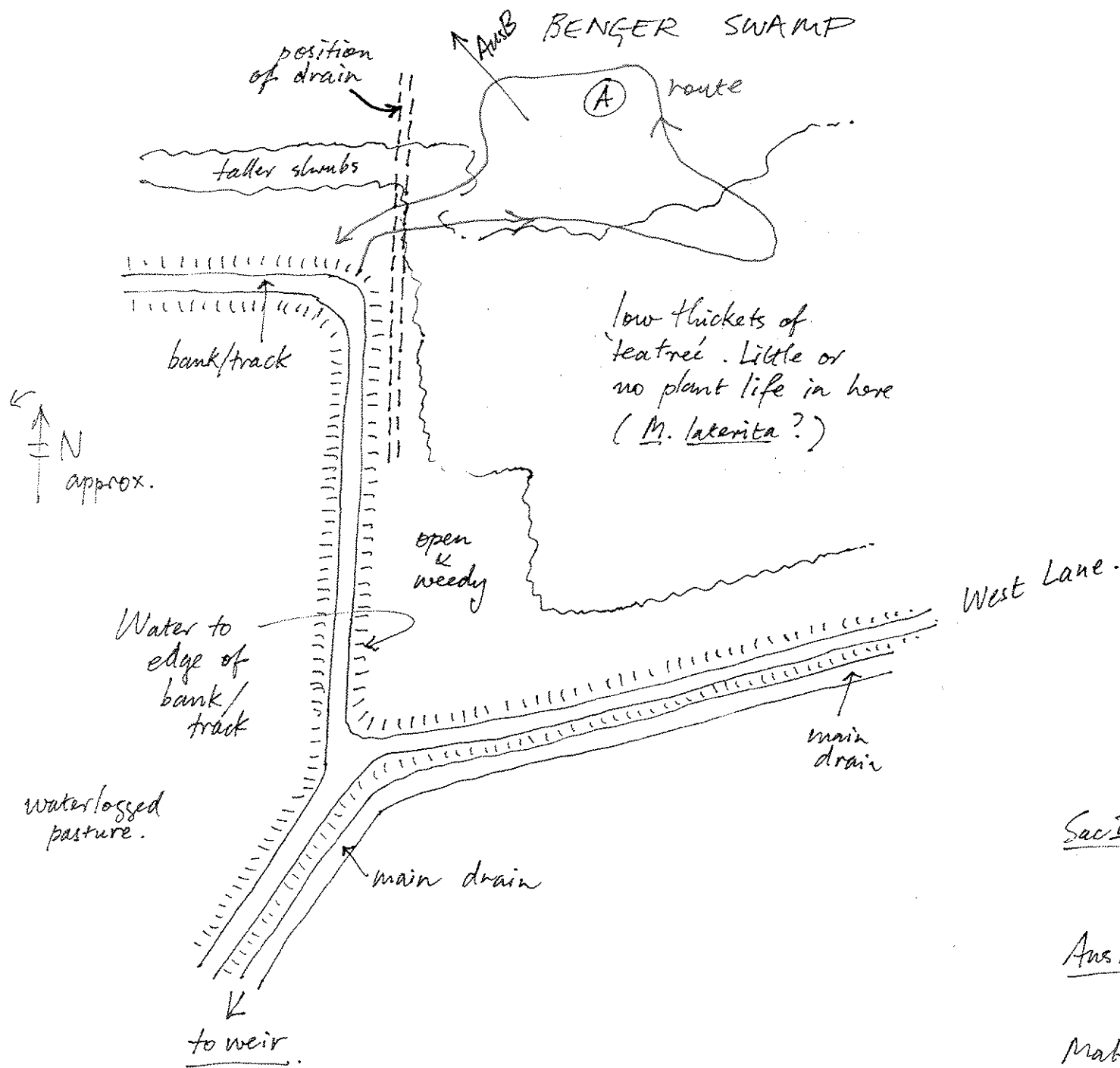
Observer

11

Comb/Spare

RETURN to
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on bar or on attached sheets // complete all questions & relevant sections // check all data // print clearly.



Ⓐ : low collapsed thickish Typha - easily penetrated. Small teatrees throughout, barely visible in reeds. Also some Baumea & other reeds.

Sac I : all in pasture adjacent to bank. Wfthn too.

Ans B : several calls. At least 50 m away.

Matta : chasing, snatching display.

SpCk : distant.

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Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer SEDGWICK phone _____

Address _____

Wetland Nature Reserve name BENGER postcode _____

P.W.No. _____ Part No. _____

Date of Survey 19 10 1983 Start/Finish _____ Sheet _____ of _____

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☐
4. Used a telescope (T)? If not, put an X. ☐
5. Used a boat (B)? If not, put an X. ☐

Comments:

from comment on sheet for 11/10.

SPECIES		Total number of birds recorded (last digit ↓)	Tor P: Total or Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevtn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>YBSI</u>	<u>182</u>	<u>1</u>	<u>P</u>					
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18								
19								
20								

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

23.0

P.W.No. 1

Part 17

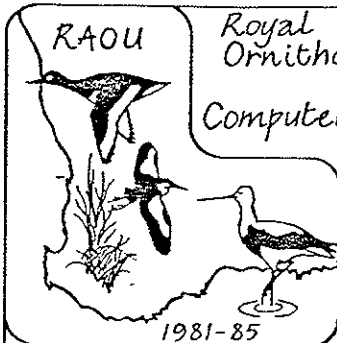
Sheet Ref. 3.7

Observer

Comb/Spare

RETURN to Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on bar or on attached sheets / complete all questions & relevant sections / check all data / print clearly.



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Ornithologists Union

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WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer D. Watkins phone _____

Address _____

Wetland Nature Reserve name Benger Swamp postcode _____

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1

2.9.1.1.1.9.8.2 1.6.0.0.1.6.5.0 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

SPECIES		Total number of birds recorded (last digit)	T or P: Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>aus B</u>	<u>1.9.7</u>	<u>1</u>	<u>P</u>					
2 <u>2m 9</u>	<u>1.7.9</u>	<u>2.0</u>	<u>P</u>					
3 <u>yl-sl</u>	<u>1.3.2</u>	<u>1</u>	<u>P</u>					
4 <u>W. S</u>	<u>1.5.4</u>	<u>2</u>	<u>P</u>					
5								
6								
7								
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16								
17								
18								
19								
20								

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

1.9

Sheet Ref.

9.4

Observer

Comb. // Spare

RETURN to
69 Lanark
St. Coolbinia
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back on attached sheets / complete all questions & relevant section. check all data / print clearly.

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WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Doug Watkins phone _____

Address _____

Wetland Nature Reserve name Benger Swamp postcode _____

P.W.No. 230 Part No. _____

Date of Survey _____ Start/Finish _____ Sheet 1 of 2

0.7 1.2 1.9 8.2 1.0 3.0 1.3 0.0 eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. L
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

SPECIES

English Name
abbrevn.
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit)

T or P:
Total
or Partial
Count
Count
↓ HOV

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 Hl Gt 0,6,2

8,5 P

2 A Pel 1,0,6

2,4 P

3 LeBC 0,9,7

5 P

4 Hl PC 1,0,0

4,3 P

5 Pe Hn 1,8,9

3 P

6 Wf Hn 1,8,8

2,1 P

7 Gt E 1,8,7

1,2 P

8 An B 1,9,7

1 P

9 Ss 9 1,7,9

1,8 P

10 Ss 9 1,8,0

1,1 P

11 Swan 2,0,3

1,0,0 P

12 Stel 2,0,7

4,2,0 P

13 Pa BD 2,0,8

3,0,0 P

14 Gy Zl 2,1,1

1,0,0 P

15 Shor 2,1,2

1,0,0 P

16 Pea D 2,1,3

5 P

17 Harl 2,1,5

7,0,0 P

18 Bti D 2,1,6

5,0 P

19 Muo D 2,1,7

5 P

20 Ma Ha 2,1,9

3 P

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey,

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

2,0

Sheet Ref.

9,4

Observer

1111

Comb/Spare

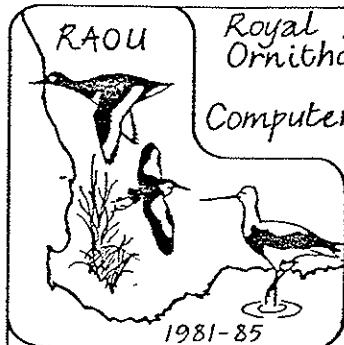
RETURN to

69 Lanark

St, Coolbinia

WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back ~ on attached sheets / complete all questions & relevant section. check all data / print clearly.



Royal Australasian
Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Doug Watkins phone _____

Address _____

Wetland Nature Reserve name Ginger Swamp

P.W.No. 230 Part No. 1

Date of Survey _____ Start/Finish _____ Sheet 2 of 2

0.7 1.2 1.9.8.2 1.0.3.0 1.3.0.0 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ L
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count. ↓ HOV	BREEDING: Tick ✓ if these categories were observed... dd DR SN e yn				
English Name abbrevn (4 letters)	RAOU Atlas No.							
1 <u>Pu Sn</u>	<u>0,5,8</u>	<u>9</u>	<u>P</u>					
2 <u>Coot</u>	<u>0,5,9</u>	<u>3,0</u>	<u>P</u>					
3 <u>Bw St</u>	<u>1,4,6</u>	<u>2,0</u>	<u>P</u>					
4 _____								
5 _____								
6 _____								
7 _____								
8 _____								
9 _____								
10 _____								
11 _____								
12 _____								
13 _____								
14 _____								
15 _____								
16 _____								
17 _____								
18 _____								
19 _____								
20 _____								

Use the Wetland Map on the back of this form to mark...

C/V ☐

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

2.1

Sheet Ref.

94

Observer

1/1

Comb/Spare

RETURN to
69 Lanark
St, Coolbinia
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back ~ on attached sheets / complete all questions & relevant section, check all data / print clearly.

RAOU

Royal Australasian
Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer W. Atkins phone _____
Address _____

Wetland Nature Reserve name Benger
P.W.No. 230 Part No. 1

Date of Survey 1.5.12 Start/Finish 1.9.8.2 Sheet 1 of 2
0.8.1.5 10.3.0 eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ M
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES

English Name
abbrevtn.
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit)

T or P:
Total
or Partial
Count
↓ HO

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

2.2

Sheet Ref.

9.4

Observer

7/7

Comb/Spare

RETURN to
69 Lanark
St, Coolbinie
WA, 6050.

1 a Pel 1,0,6

6,2 P

2 t Pel 1,0,0

4,5 P

3 Pel Hn 1,8,9

1 P

4 Pel Hn 1,8,8

2,0 P

5 Pel E 1,8,7

1,5 P

6 Pel B 1,9,7

2 P

7 Pel 9 1,8,9

1,8 P

8 Pel 9 1,8,0

3,0 P

9 Swan 2,0,3

7,5 P

10 Shel 2,0,7

1,0,0 P

11 Pel B D 2,0,8

7,0,0 P

12 Gy Zl 2,1,1

4,0,0 P

13 Ch Zl 2,1,0

1 P

14 Shv 2,1,2

5,0 P

15 Pel D 2,1,3

5 P

16 Hand 2,1,5

1,5,0 P

17 Man D 2,0,2

5 P

18 Pel D 2,1,6

5 P

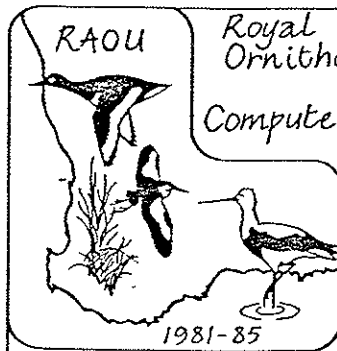
19 Mus D 2,1,7

5 P

20 Pel Hn 2,1,9

2 P

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant section / check all data / print clearly.



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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer R Watkins phone _____
Address _____

Wetland Nature Reserve name Benger postcode _____
P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 2 of 2
1.5.1.2.1.9.8.2 08.15 1.0.30 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ M
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrev'n (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>Yw Sn</u>	<u>0,5,8</u>	<u>...2,5</u>	<u>P</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 <u>Coot</u>	<u>0,5,9</u>	<u>...2,0</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 <u>Bar St</u>	<u>1,4,6</u>	<u>...5,0</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 <u>Rn Ar</u>	<u>1,4,8</u>	<u>...3</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 <u>Whi T</u>	<u>1,1,0</u>	<u>...5</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6 <u>Wgt</u>	<u>8,2,0</u>	<u>...1,0,0</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20 _____	<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

2,3,0
P.W.No.
1
Part
2,3
Sheet Ref.
9,4
Observer
11
Comb./Spare

RETURN to
69 Lanark
St., Coolbinie
WA, 6050.

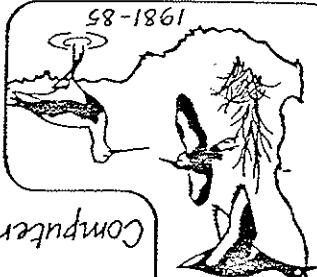
Note: enter data for additional species on a separate form / put extra comments on back ~ on attached sheets / complete all questions & relevant section. check all data / print clearly.

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WATERBIRD USAGE

Wetland Nature Reserves
of
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.



1981-85

Observer B. Williams phone _____

Wetland Nature Reserve name Benger postcode _____

R.W.N. No. 230 Part No. 1

Date of Survey 2.11.82 1.9.82 0.8.30 1.2.30 ...eg. 1.00pm = 1300.

Sheet 2 of 2

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ H
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		RAOU Atlas Name		English Name		RAOU abbrev. (4 letters)		Total number recorded (last digit)		Total or Partial Count		T or P		BREEDING: Tick ✓ if these categories were observed...		dd DR SN e yn	

1	Mud	2.1.7															
2	Ma Ha	2.1.9															
3	Pabr	0.5.8															
4	Cat	0.5.9															
5	Bu St	1.4.6															
6	Woo B	1.5.4															
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

Use the Wetland Map on the back of C/V to mark...

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey.

3. any other relevant information.

OFFICE USE

R.W.N. No. 230 Part 1

Sheet Ref. 2.5

Observer 94

Comb./Spare 1/1

RETURN to 69 Lanark St, Coolbinia WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back - on attached sheets / complete all guestions & relevant section - check all data / print clearly.

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WATERBIRD USAGE

of
Wetland Nature Reserves
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Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer D. Watkins phone _____

Address _____ postcode _____

Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey 04.01.95 Start/Finish 08.45/18.30 Sheet 2 of 2

04.01.95 08.45/18.30 eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. M
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

SPECIES

English Name abbrevn. (4 letters) RAOU Atlas No.

1 Bt M 0,5,5

2 Pu B 0,5,8

3 Coot 0,5,9

4 Sp P 1,4,4

5 Bu Bt 1,4,6

6 _____

7 _____

8 _____

9 _____

10 _____

11 _____

12 _____

13 _____

14 _____

15 _____

16 _____

17 _____

18 _____

19 _____

20 _____

Total number of birds recorded (last digit ↓)

_____ 5 P

_____ 73 P

_____ 3 P

_____ 2 P

_____ 7 P

T or P: Total or Partial Count ↓ HOV

BREEDING: Tick ✓ if these categories were observed...

dd DR SN e yn

_____ ✓ _____

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information

OFFICE USE

2,3,0

P.W.No.

Part

2,7

Sheet Ref.

9,4

Observer

Comb. Spare

RETURN to

69 Lanark

St., Coolbinia

WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back ~ on attached sheets / complete all questions & relevant section. check all data / print clearly.

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WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer B. Wathins

phone

Address

postcode

Wetland Nature
Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey

Start/Finish

Sheet 1 of 1
0.8.0.1.19.8.3
17.3.0 20.00...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ M
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Bei O - in drain near bridge (4 young)

SPECIES

English
Name
abbrevtn
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit)

Tor P:
Total
or Partial
Count
Count
↓ HOV

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 a rel 1,0,6

...13 P

2 L P C 1,0,0

...1 P

3 P C H n 1,3,9

...1,4 P

4 W f H n 1,8,8

...1,7,8 P

5 G t E 1,8,7

...2,8 P

6 R n d m 1,9,2

...1,5 P

7 S e c I 1,7,9

...8,5 P

8 S n k I 1,8,0

...5 P

9 Y b l l 1,3,2

...6 P

10 S w a n 2,0,3

...8,5 P

11 S h e l 2,0,7

...2,2,5 P

12 S e B D 2,0,8

...1,1,5 P

13 G y z l 2,1,1

...5 P

14 S h o w 2,1,2

...2,0 P

15 M a n D 2,0,2

...1 P

16 B l i b 2,1,6

...4 P

17 M a t t a 2,1,9

...7 P

18 P a b n 0,5,8

...1,0,0 P

19 B u l l 1,4,6

...4 P

20

...

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey.

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

2,8

Sheet Ref.

9,4

Observer

11

Comb/Spare

RETURN to
69 Lanark
St, Coolbinie
WA, 6050.

Note: enter data for additional species on a separate form / put
extra comments on back or on attached sheets / complete all ques-
tions & relevant section / check all data / print clearly.

RAOU

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Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer D Watkins phone _____
Address _____

Wetland Nature Reserve name Benger
P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1
1.9.0.1 1.9.3.3 1.0.0.0 1.3.0.0 eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☐ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☐ L
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Groping has started

SPECIES

English Name abbrevn. (4 letters) RAOU Atlas No.

1 Pc An 1,3,9
2 Wf An 1,3,8
3 Grt E 1,3,7
4 R An 1,9,2
5 Bac I 1,7,9
6 Enk I 1,3,0
7 Yt Al 1,8,2
8 Swan 2,0,3
9 Pc BD 2,0,8
10 An Ch 0,4,9
11 Bu Mo 0,5,6
12 Pu Sn 0,5,8
13 Woo B 1,5,4
14 _____
15 _____
16 _____
17 _____
18 _____
19 _____
20 _____

Total number of birds recorded (last digit ↓)

1,7 P
3,2,5 P
1,0 P
2 P
4,5 P
5 P
5 P
9 P
2 P
5 P
4,7 P
3 P

T or P: Total or Partial Count ↓ HOV

BREEDING: Tick ✓ if these categories were observed...
dd DR SN e yn

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

2,3,0
P.W.No.
1
Part
2,9
Sheet Ref.
9,4
Observer
1
Comb./Spare

RETURN to
69 Lanark
St, Coolbinia
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Je Withins phone _____
Address _____

Wetland Nature Reserve name Benger
P.W.No. 230 Part No. 1

Date of Survey 2.5.01 Start/Finish 1.0.0.0 Sheet 1 of 1
1.9.8.3 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ M
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ L
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

moist in NE corner

awsB - dead.

SPECIES

English Name abbrevn. (4 letters) RAOU Atlas No.

1 Pc 7th 1.8.9

2 Wf 7th 1.8.8

3 aws B 1.9.7

4 bla R 0.4.6

5 _____

6 _____

7 _____

8 _____

9 _____

10 _____

11 _____

12 _____

13 _____

14 _____

15 _____

16 _____

17 _____

18 _____

19 _____

20 _____

Total number of birds recorded (last digit)

5 P

9.0 P

1 T

1 P

T or P: Total or Partial Count

P

P

T

P

BREEDING: Tick ✓ if these categories were observed...

dd DR SN e yn

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

3.0

Sheet Ref.

9.4

Observer

11

Comb/Spare

RETURN to
69 Lanark
St, Coolbinia
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back ~ on attached sheets / complete all questions & relevant section / check all data / print clearly.

RAOU

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer D. Watkins phone _____
Address _____

Wetland Nature Reserve name Benger postcode _____

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1

3.0 0.3 1.9 8.3 1.6 0.0 1.9 3.0 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ D
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ M
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Pushed around in dense reed - saw nothing!

Grt E - in drain

SPECIES

English Name abbrevtn (4 letters) RAOU Atlas No.

1 Grt E 1.3.7

2 L. B. 0.5.8

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Total number of birds recorded (last digit ↓)

T or P: Total or Partial Count ↓ HOV

BREEDING: Tick ✓ if these categories were observed... dd DR SN e yn

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn)
2. the route of your survey,
3. any other relevant information

OFFICE USE

230

P.W.No.

1

Part

3.1

Sheet Ref.

9.4

Observer

11

Comb./Spare

RETURN to
69 Lanark
St, Coolbinia
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on bac or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer H. Wablim phone _____

Address _____

Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1

2.6.0.4 1.9.8.3 1.0.0.0 1.0.3.0 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ D
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ H
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Wf Hn - feeding in grass.

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HOW	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevtn (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>Wf Hn</u>	<u>1.8.8</u>	<u>5.0</u>	<u>P</u>					
2 <u>Mu Hn</u>	<u>2.1.9</u>	<u>1</u>	<u>P</u>					
3 <u>Pu Hn</u>	<u>0.5.8</u>	<u>1</u>	<u>P</u>					
4 _____								
5 _____								
6 _____								
7 _____								
8 _____								
9 _____								
10 _____								
11 _____								
12 _____								
13 _____								
14 _____								
15 _____								
16 _____								
17 _____								
18 _____								
19 _____								
20 _____								

Use the Wetland Map on the back of this form to mark...

C/V

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

☒ 1

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey,

3. any other relevant information.

OFFICE USE

23.0

P.W.No.

1

Part

3.2

Sheet Ref.

9.4

Observer

1

Comb./Spare

RETURN to
69 Lanark
St, Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.



RAOU

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.



1981-85

Observer
Address

Dr Williams phone

postcode

Wetland Nature
Reserve name

Benger

P.W.No. 230

Part No. 1

Date of Survey

Start/Finish

Sheet 1 of 1

1.7.0.6 1.9.8.3

1.1.3.0 1.2.3.0

eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☐ M ☐ D
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☐ N
3. Intensity of nest searches: no searches (X); low (L); medium (M) or high (H) intensity. ☐ X ☐ L ☐ M ☐ H
4. Used a telescope (T)? If not, put an X. ☐ X
5. Used a boat (B)? If not, put an X. ☐ X

Comments:

Birds being cut in North end.

Parade ground.

Area of 200m burnt out.

SPECIES		Total number of birds recorded (last digit)	T or P: Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...			
English Name (4 letters)	RAOU Atlas No.			dd	DR	SN	e yn
1 sac I	1,7,9	1,7,9	P				
2 shel	2,0,7	6	P				
3 Pa Bd	2,0,8	4	P				
4 Batta	2,1,9	1	P				
5 Pa Sn	0,5,8	3,0	P				
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey;
3. any other relevant information.

OFFICE USE

2,3,0

P.W.No.

1

Part

3,3

Sheet Ref.

9,4

Observer

Comb. Spare

RETURN to
69 Lanark
St, Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer D. Watkins phone _____

Address _____

Wetland Nature Reserve name Benger postcode _____

P.W. No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1

1.30.7 1.9.83 1.4.30 1.6.30 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Water. NE = 0.65
NW = 0.76
S = 0.60

20 + Willy Wagtail

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...			
English Name abbrevn (4 letters)	RAOU Atlas No			dd	DR	SN	e yn
1 <u>angl</u>	<u>0.6.1</u>	<u>3.0</u>	<u>P</u>				
2 <u>li BC</u>	<u>0.9.7</u>	<u>1</u>	<u>P</u>				
3 <u>hpc C</u>	<u>1.0.0</u>	<u>2</u>	<u>P</u>				
4 <u>grt E</u>	<u>1.8.7</u>	<u>1</u>	<u>P</u>				
5 <u>sw I</u>	<u>1.7.9</u>	<u>2.0.0</u>	<u>P</u>				
6 <u>swan</u>	<u>2.0.3</u>	<u>2.0.0</u>	<u>P</u>				
7 <u>Pa BD</u>	<u>2.0.8</u>	<u>1.0.0</u>	<u>P</u>				
8 <u>shor</u>	<u>2.1.2</u>	<u>3.5</u>	<u>P</u>				
9 <u>hard</u>	<u>2.1.5</u>	<u>9.0.0</u>	<u>P</u>				
10 <u>pus D</u>	<u>2.1.7</u>	<u>8.4</u>	<u>P</u>				
11 <u>ma Ha</u>	<u>2.1.9</u>	<u>1</u>	<u>P</u>				
12 <u>sp CR</u>	<u>0.5.1</u>	<u>6</u>	<u>P</u>				
13 <u>Pa En</u>	<u>0.5.8</u>	<u>7</u>	<u>P</u>				
14 <u>wigh</u>	<u>9.2.0</u>	<u>1</u>	<u>T</u>				
15							
16							
17							
18							
19							
20							

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

2.3.0

P.W. No. 1

Part 3.5

Sheet Ref. 9.4

Observer 11

Comb. // Spare 11

RETURN to 69 Lanark St., Coolbinia, WA, 6050.

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer D. Watkins phone _____

Address _____

postcode _____

Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey 07/10/1983 Start/Finish 14.00/16.30 Sheet 1 of 1

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ L
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Water level NE = 0.8

NW = 0.71

S = 0.59

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>WtGr</u>	<u>0,6,2</u>	<u>2,5</u>	<u>P</u>					
2 <u>WtL</u>	<u>1,0,0</u>	<u>1,5</u>	<u>P</u>					
3 <u>WtHn</u>	<u>1,8,8</u>	<u>5</u>	<u>P</u>					
4 <u>WtI</u>	<u>1,7,9</u>	<u>3,0</u>	<u>P</u>					
5 <u>Swan</u>	<u>2,0,3</u>	<u>1,6,2</u>	<u>P</u>					
6 <u>WtBD</u>	<u>2,0,8</u>	<u>2,5,0</u>	<u>P</u>					
7 <u>GtZl</u>	<u>2,1,1</u>	<u>2,0</u>	<u>P</u>					
8 <u>Shor</u>	<u>2,1,2</u>	<u>5</u>	<u>P</u>					
9 <u>WtL</u>	<u>2,1,5</u>	<u>2,5,0</u>	<u>P</u>					
10 <u>WtBD</u>	<u>2,1,6</u>	<u>1,0</u>	<u>P</u>					
11 <u>WtBD</u>	<u>2,1,7</u>	<u>5,0</u>	<u>P</u>					
12 <u>WtL</u>	<u>0,5,8</u>	<u>1,0</u>	<u>P</u>					
13 <u>WtL</u>	<u>0,5,9</u>	<u>2,5</u>	<u>P</u>					
14 <u>WtL</u>	<u>1,5,4</u>	<u>1</u>	<u>P</u>					
15								
16								
17								
18								
19								
20								

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

36

Sheet Ref.

94

Observer

Comb. // Spare

RETURN to 69 Lanark St., Coolbinia, WA, 6050.

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer J. Withings phone _____

Address _____

Wetland Nature Reserve name Wanger postcode _____

P.W.No. 230 Part No. 1

Date of Survey 2.7.11.1983 Start/Finish 15.15 Sheet 1 of 2

2.7.11.1983 15.15 20.30 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ L
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Water level NE = 58
NW = 49

observer not 100% sure possibly GtE: put as Wieg 841

Int E - Mike Bonford 2 in tree with Wf Hn on other sheet

Ans B - 1 flushed.

Hard: 5 young (~1 or 2 old.)

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 Ht Gl	0.6.2	5.5	P					
2 An Gl	0.6.1	1.5	P					
3 a Pel	1.0.6	5.0	P					
4 Gr C	0.9.6	1	P					
5 W C	0.9.9	1	P					
6 H B C	0.9.7	5	P					
7 H P C	1.0.0	6.0	P					
8 Wf Hn	1.8.8	5.7	P					
9 Gt E	1.8.7	2.3	P					
10 W C	1.8.0	2	P					
11 Ans B	1.9.7	3	P					
12 Gt G	1.7.8	1	T					
13 Gt I	1.7.9	5.5	P					
14 Gt I	1.8.0	1.0	P					
15 Swan	2.0.3	5.0.0	P		✓			
16 Sh L	2.0.7	2.0.0	P					
17 Pa B D	2.0.8	1.5.0.0	P					
18 Gt Z L	2.1.1	2.0.0	P					
19 Sh L	2.1.2	3	P					
20 Hrd	2.1.5	2.5	P		✓			

Use the Wetland Map on the back of this form to mark...

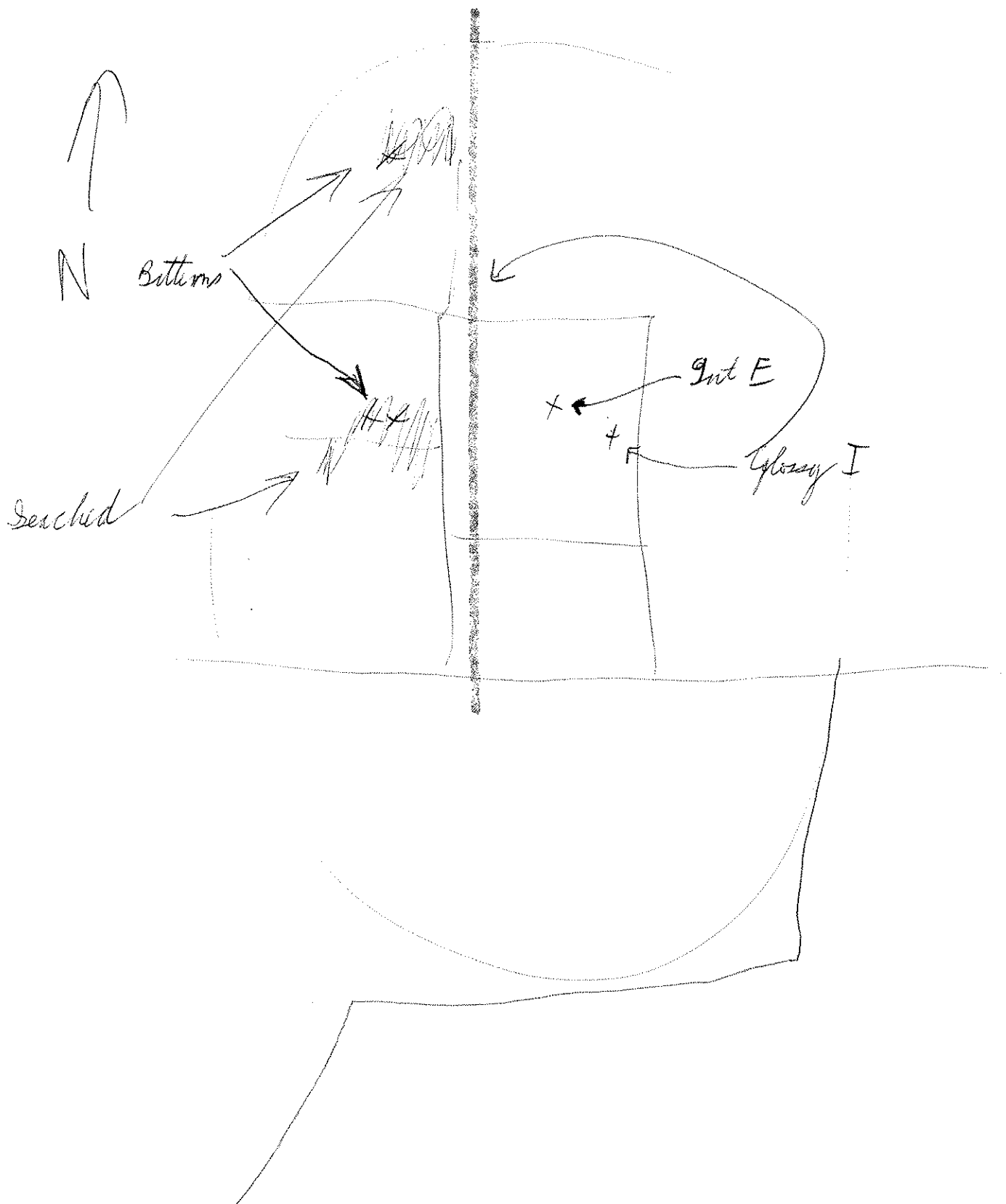
1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

2.3.0
P.W.No.
1
Part
3.7
Sheet Ref.
9.4
Observer
111
Comb./Spare

RETURN to
69 Lanark
St. Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.



RAOU

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer J. Wether phone _____

Address _____ postcode _____

Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey _____ Start/Finish _____ Sheet 2 of 2

2.7.1.1.19.8.3 1.5.1.5.2.0.3.0 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ L
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Muss D: 2 y in drain.

SPECIES

English Name
abbrevn.
(4 letters)

RAOU Atlas
No.

Total
number
of birds
recorded
(last digit)

T or P:
Total
or Partial
Count
↓ HOV

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 Pbi D 2,1,6

1 P

2 Muss D 2,1,7

7 P

3 Muss Ha 2,1,9

4 P

4 Palm 0,5,8

3 P

5 Coot 0,5,9

5 P

6 Wood 1,5,4

1 P

7 Ganh 1,5,8

1 P

8 Wico 8,4,1

1 P

9

10

11

12

13

14

15

16

17

18

19

20

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey;

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

3.8

Sheet Ref.

9.4

Observer

1/1

Comb./Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant section // check all data // print clearly.

FINAL

WATERBIRD USAGE

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Address 20 HERBERT ROAD HARVEY.

RESERVE NAME
P.W. No. 230 Part No. 1

1.8 1.1 1.9 3.3 0.7 4.5 0.9 4.5 ...eq. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Unidentified grave:- probably

Hairy-headed Grabs.

Hardhead: Declined considerably.

Black Duck: Obviously dominant duck.

Swampies: Only birds seen counted.

Pelican: One noted on 1st Nov - first for this season.

Birds seemed more than usually restless - much movement taking place,

SPECIES		Total number of birds recorded (last digit ↓)	Tor P: Total or Partial Count ↓ HO✓	BREEDING:				
English Name abbrevtn. (4 letters)	RAOU Atlas No.			Tick ✓ if these categories were observed...				
				dd	DR	SN	e	yn
1 Coot	059	18	T					
2 Wood	154	2	T					
3 Crew	524	14	P					
4 LGd	522	4	P ✓					
5 uie b	820	7						
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Use the
Wetland Map on
the back of
this form
to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information

OFFICE USE

230

P.W. No. _____

11

Part

39

Sheet Ref.

37

Observer

IV

Comb. // Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eni H. SEDGWICK phone 097291371
 Address 20 HERBERT ROAD, HARVEY postcode 6220
 Wetland Nature Reserve name BENGER SWAMP
 P.W.No. 230 Part No. 1

Date of Survey 18/1/1983 Start/Finish 0745 0945 Sheet 1 of 2
 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		Total number of birds recorded (last digit)	T or P: Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 HbGb	062	...	7 T		✓			X
2 APeL	106	...	13 T					
3 LiBC	097	...	1 T					
4 LPiC	100	...	41 T					
5 WtHn	188	...	26 T					
6 GrtE	187	...	8 T					
7 RNHn	192	...	1 T					
8 AusB	197	...	1 T					✓
9 SacF	179	...	13 T					
10 SnkI	180	...	5 T					
11 Swan	203	...	1 A P T		✓			X
12 Shel	207	...	106 T					
13 RBD	208	...	250 T					
14 GtTL	211	...	4 T					
15 Shov	212	...	8 T					
16 Herd	215	...	37 T		✓			X
17 BbID	216	...	8 T					
18 MusD	217	...	2 T					
19 MaHn	219	...	4 T					
20 RSn	058	...	7 P					

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey;
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

40
Sheet Ref.

37

Observer

111

Comb./Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form // put extra comments on bac or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGEof
Wetland Nature Reservesvested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.Observer SEDGWICK phone _____

Address _____

Wetland Nature Reserve name BENGER postcode _____P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet / of /

05/12/1983 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☐
4. Used a telescope (T)? If not, put an X. ☐
5. Used a boat (B)? If not, put an X. ☐

Comments:

[From notes on sheet for 13/12] ref.
GloI, AusB, ManD: see

SPECIES

English
Name
abbrevtn.
(4 letters)RAOU
Atlas
No.Total
number
of birds
recorded
(last digit ↓)Tor P:
Total
or Partial
Count.
↓ HOWBREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1/1

1/1

1/1

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1/1

1. approximate
positions of
any active
nests found
(SN, e, yn).2. the route
of your
survey,3. any other
relevant
information.OFFICE USE230

P.W.No.

1

Part

41

Sheet Ref.

37

Observer

1/1

Comb/Spare

RETURN to
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put
extra comments on bac' or on attached sheets // complete all ques-
tions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eric H. SEDGWICK phone 097291371

Address 20 HERBERT ROAD, HARVEY

postcode 6220

Wetland Nature Reserve name Bender Swamp

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 2

13 12 1993 08 15 09 45 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W.
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Honey-headed Grebe } The only birds seen were in
Musk Duck } one of the drains.

Straw-necked Ibis } The Straw-necked Ibis seems to
Sacred Ibis } have recovered somewhat
this year as compared with the last year or two

Yellow-billed Spoonbill: 2 + 3 were seen simultaneously.

Black Duck: Definitely dominant. Shelduck or Grey Teal may have been underestimated.
No Hardhead were seen.

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn (4 letters)	RAOU Atlas No			dd	DR	SN	e	yn
1 HhGb	0,6,2	...	1 T					
2 APol	1,0,6	...	53 T					
3 LiDc	0,9,7	...	5 T					
4 LPic	1,0,0	...	8,6 T					
5 PchHn	1,8,9	...	1 T					
6 WtHn	1,8,8	...	83 T					
7 GteE	1,8,7	...	18 T					
8 RNhn	1,9,2	...	3 T					
9 SacI	1,7,9	...	98 T					
10 SskI	1,8,0	...	15 T					
11 YbSb	1,8,2	...	5 T					
12 Swan	2,0,3	...	177 T		✓			X
13 Shcl	2,0,7	...	1,0,9 T					
14 PaBD	2,0,8	...	1,1,7,5 T					
15 GyTL	2,1,1	...	22,0 T					
16 MusD	2,1,7	...	2 P					
17 MzHz	2,1,9	...	3 T					
18 PuSn	0,5,8	...	15 T					
19 BwSt	1,1,6	...	7 T					
20 Grank	1,5,8	...	5 P					

Use the Wetland Map on the back of this form to mark...

C/V

11

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11

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey,

3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

42

Sheet Ref.

37

Observer

11

Comb/Spare

RETURN to Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant section // check all data // print clearly.

RAOU

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 097291371
Address 20 HERBERT ROAD HARVEY

postcode 6220

Wetland Nature Reserve name Benger Swamp

P.W.No. 230 Part No. 1

Date of Survey 13.12.1983 Start/Finish 07.15 09.45 Sheet 2 of 2

13.12.1983 07.15 09.45 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W.
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N.
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X.
4. Used a telescope (T)? If not, put an X. ☒ X.
5. Used a boat (B)? If not, put an X. ☒ X.

Comments:

Green shank: These were the first seen this season.

I saw none on 5 Dec, when I made a circuit of the Swamp. The species usually appears in Nov - sometimes in late Oct. The 5 were seen: Colls were heard in two other localities.

Clossy Ibis: Two were seen separately (or the same one twice) on 5 Dec, but none was seen today.

Aust. Bittern: Heard in two localities on 5 Dec. - none today.

Marek Duck: Seen on 5 Dec.

SPECIES

English Name
abbrevtn.
(4 letters)

RAOU Atlas
No.

Total
number
of birds
recorded
(last digit ↓)

T or P:
Total
or Partial
Count.
↓ HOV

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 Crow 524

24 P

2 LiGa 522

12 P ☒

3

4

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Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey,

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

43

Sheet Ref.

37

Observer

1/1

Comb/Spare

RETURN to

Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant section // check all data // print clearly.

RAOU

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 097291371

Address 20 HERBERT RD. HARVEY.

postcode 6220

Wetland Nature Reserve name BENGER SWAMP

P.W.No. 230 Part No. 1

Date of Survey 03.01.1984 Start/Finish 07.30 09.30 Sheet 1 of 1

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

W.A.W.S. ? Red-necked Stint

Yellow-billed Spoonbill: Two present on 27 Dec.

Glossy Ibis: One present on 27 Dec.

General Comment: Little open water now remains - this is shallow - a situation which does not favour my method with its open water birds.

(Has all three species of ibis in clear view, * well within the field of my 10x50 binoculars, this morning!)

SPECIES

English Name
abbrevtn
(4 letters)

RAOU Atlas
No.

Total
number
of birds
recorded
(last digit ↓)

T or P:
Total
or Partial
Count
↓ HOV

BREEDING:
Tick ✓ if these
categories were
observed...
dd DR SN e yn

1 APel 106

... 23 T

2 LPic 100

... 1 T

3 PchN 189

... 2 T

4 WEHn 188

... 197 T

5 GtE 187

... 6 T

6 GlbI 178

... 1 T

7 SacI 179

... 62 T

8 SbkI 180

... 48 T

9 Swan 203

... 96 T

10 Shel 207

... 51 T

11 PzBD 208

... 90 T

12 GyTL 211

... 94 T

13 MaHa 219

... 2 T

14 PuSn 058

... 27 P

15 BwSt 146

... 4 T

16 Gank 158

... 18 T

17 uiwr 835

... 7 T

18 CreW 524

... 22 P

19 LiGd 522

... 6 P HOV

20

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey,

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

44

Sheet Ref.

37

Observer

Comb/Spare

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant section // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer RPT phone _____

Address _____

Wetland Nature Reserve name BENGER postcode _____

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1

30/11/1983 06.00/14.00...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ H
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		Total number of birds recorded (last digit ↓)	Tor P: Total or Partial Count ↓ HOW	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>Must</u>	<u>21.7</u>	<u>7</u>	<u>P</u>	<input checked="" type="checkbox"/>				
2 <u>AusB</u>	<u>19.7</u>	<u>8</u>	<u>P</u>					
3 <u>Spck</u>	<u>05.1</u>	<u>1</u>	<u>P</u>	<input checked="" type="checkbox"/>				
4 <u>G/I</u>	<u>1.7.8</u>	<u>1</u>	<u>P</u>					
5 <u>GtE</u>	<u>18.7</u>	<u>10</u>	<u>P</u>					
6 <u>PABD</u>	<u>20.8</u>	<u>500</u>	<u>P</u>					
7 <u>FreD</u>	<u>21.4</u>	<u>1</u>	<u>P</u>			<input checked="" type="checkbox"/>		
8								
9								
10								
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Use the Wetland Map on the back of this form to mark...

C/V

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1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

23.0

P.W.No.

1

Part

45

Sheet Ref.

7.0

Observer

☒

Comb/Spare

RETURN to Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant section // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Bong W phone _____

Address RAOU Perth postcode _____

Wetland Nature Reserve name Benger Swamp

P.W.No. 230 Part No. 1

Date of Survey 07/12/1983 Start/Finish 13.30/26.00 Sheet 1 of 1

eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ H
4. Used a telescope (T)? If not, put an X. ☒ T
5. Used a boat (B)? If not, put an X. ☒ B

Comments:

fine light breeze

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>APL</u>	<u>1,0,6</u>	<u>4,0</u>	<u>P</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2 <u>Art</u>	<u>1,0,1</u>	<u>1</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 <u>APC</u>	<u>1,0,0</u>	<u>4,2</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 <u>APM</u>	<u>1,9,2</u>	<u>2,5</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 <u>Y-S</u>	<u>1,8,2</u>	<u>2</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6 <u>Sho</u>	<u>2,1,2</u>	<u>1,0</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 <u>Hard</u>	<u>2,1,5</u>	<u>5</u>	<u>P</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8 <u>Mus D</u>	<u>2,1,7</u>	<u>4</u>	<u>P</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9 <u>Labn</u>	<u>0,5,8</u>	<u>2,2</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10 <u>Bost</u>	<u>1,4,6</u>	<u>3</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11 <u>Woo S</u>	<u>1,5,4</u>	<u>6</u>	<u>P</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

46

Sheet Ref.

94

Observer

Comb. // Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Bouay phone _____

Address RAOU Perth postcode _____

Wetland Nature Reserve name Benger Swamp

P.W.No. 230 Part No. _____

Date of Survey 08/12/83 Start/Finish 0900/1300 Sheet 1 of 1

eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ H
4. Used a telescope (T)? If not, put an X. ☒ T
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

fine light S breeze

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 aPel	1,0,6	42	P					
2 hiPC	1,0,0	55	P					
3 wfltn	1,8,8	100	P					
4 GtE	1,8,7	16	P					
5 SacI	1,7,9	52	P					
6 hAI	1,8,0	12	P					
7 YbB	1,8,2	2	P					
8 soam	2,0,3	265	P		✓			✗
9 shcl	2,0,7	300	P					
10 PBD	2,0,8	1300	P					
11 GtZl	2,1,0	350	P					
12 shw	2,1,2	10	P					
13 Fnd	2,1,5	20	P					
14 MaHs	2,1,9	2	P					
15 PuBn	0,5,8	14	P					
16 Bwht	1,6,6	3	P					
17 tiGb	5,2,2	1	P					
18 GReW	5,2,6	1	P					
19								
20								

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230
P.W.No.
1
Part
47
Sheet Ref.
94
Observer

Comb./Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Doug W. phone _____

Address _____

Wetland Nature Reserve name Benger Swamp postcode _____

P.W.No. 230 Part No. _____

Date of Survey 1.4.1983 Start/Finish 10.30 17.00 Sheet 2 of 2

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ L
4. Used a telescope (T)? If not, put an X. ☒ T
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevia. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 CREW	5,2,4	1	P					
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
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Use the Wetland Map on the back of this form to mark...

C/V

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1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey,

3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

49

Sheet Ref.

94

Observer

11

Comb/Spare

11

RETURN to

Field Officer:

(address is in

'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

Computer Form for use in the Survey of

WATERBIRD USAGE

Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Doug phone _____
Address _____

Wetland Nature Reserve name Binger Swamp postcode _____

P.W. No. 230 Part No.

Date of Survey Start/Finish Sheet 1 of 2

1.9 12 19.83 1.0, 0.0 18.0, 0.0 ...eq. 1.00 pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☐ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☐ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☐ M
4. Used a telescope (T)? If not, put an X. ☐ X
5. Used a boat (B)? If not, put an X. ☐ X

Comments:

fine warm, light SW

Chased by swarm of bees.

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HO ↓	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevtn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>Arcl</u>	1,0,6	...5,6	P					
2 <u>hpl</u>	1,0,0	...4,5	P					
3 <u>lch</u>	1,8,9	...1	T					
4 <u>wph</u>	1,8,8	...2,1,7	P					
5 <u>gnt E</u>	1,8,7	...1,7	P					
6 <u>glb I</u>	1,7,8	...1	T					
7 <u>sec I</u>	1,7,9	...1,2,0	P					
8 <u>snk I</u>	1,8,0	...1,0,7	P					
9 <u>ylb</u>	1,8,2	...1,3	P					
10 <u>swan</u>	2,0,3	...2,9,0	P		✓			✗
11 <u>shl</u>	2,0,7	...2,0,0	P					
12 <u>Pa BD</u>	2,0,8	...2,4,0	P		✓			✗
13 <u>Gy Zl</u>	2,1,1	...2,0	P					
14 <u>lea P</u>	2,1,3	...5	P					
15 <u>Hard</u>	2,1,5	...3	P		✓			✗
16 <u>Mus D</u>	2,1,7	...2	P					
17 <u>Mu Ha</u>	2,1,9	...1	P					
18 <u>Pa Sn</u>	0,5,8	...5,0	P					
19 <u>Bw St</u>	1,4,6	...3,0	P					
20 <u>gnk</u>	1,5,8	...2,5	P					

Use the
Wetland Map on
the back of
this form
to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information

OFFICE USE

230

P.W. No.

2

Part

Sheet Ref. 50

94

Observer

1	1	1	
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Comb. // Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Roug phone _____
Address _____

Wetland Nature Reserve name Benger Swamp postcode _____

P.W.No. 230 Part No. _____

Date of Survey Start/Finish Sheet 2 of 3

1.9.1.2.19.8.3 1.0.0.0.1.8.0.0...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ M
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES

English Name abbrevn. (4 letters)	RAOU Atlas No.
1 <u>Gre w</u>	<u>5,2,4</u>
2 <u>Li Gf</u>	<u>5,2,2</u>
3 _____	_____
4 _____	_____
5 _____	_____
6 _____	_____
7 _____	_____
8 _____	_____
9 _____	_____
10 _____	_____
11 _____	_____
12 _____	_____
13 _____	_____
14 _____	_____
15 _____	_____
16 _____	_____
17 _____	_____
18 _____	_____
19 _____	_____
20 _____	_____

Total number of birds recorded (last digit ↓)

T or P: Total or Partial Count. ↓ HOV

BREEDING: Tick ✓ if these categories were observed...
dd DR SN e yn

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

5.1

Sheet Ref.

9.4

Observer

1/1

Comb/Spare

RETURN to Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant section // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Peter phone _____

Address _____

Wetland Nature Reserve name Benger Swamp postcode _____

P.W.No. 230 Part No. _____

Date of Survey Start/Finish Sheet 1 of 2

23/12/1983 0730/1330 eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. H
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

fine warm

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count. ↓	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 Wcl	1,0,6	...5,7	P					
2 LpL	1,0,0	...2,7	P					
3 Pch	1,8,9	...2	P					
4 WfH	1,8,8	...1,6,3	P					
5 GtE	1,8,7	...6	P					
6 GlrI	1,7,8	...1	T					
7 ScI	1,7,9	...1,1,1	P					
8 ShkI	1,8,0	...1,0,2	P					
9 YbSh	1,8,2	...8	P					
10 Swan	2,0,3	...2,4,3	P					
11 Shcl	2,0,7	...1,0,5	P					
12 PchD	2,0,8	...2,8,0	P					
13 GtZl	2,1,1	...1,7,0	P					
14 Shoc	2,1,2	...1	P					
15 Hnd	2,1,5	...1	P					
16 PchH	2,1,9	...2	P					
17 PchR	0,5,8	...9,6	P					
18 BwSt	1,4,6	...9	P					
19 WtS	1,5,4	...6	P					
20 Gark	1,5,8	...2,6	P					

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

23,0

P.W.No.

1

Part

5,2

Sheet Ref.

9,4

Observer

1/1

Comb/Spare

RETURN to Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Dorcas phone _____

Address _____

Wetland Nature Reserve name Benger Swamp postcode _____

P.W. No. 230 Part No. _____

Date of Survey Start/Finish Sheet 2 of 2

2.3.1.2 1.9.83 0.7.30 1.3.30 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ H
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 CRW	5,2,4		P					
2 LGH	5,2,2		P					
3								
4								
5								
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7								
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Use the Wetland Map on the back of this form to mark...

C/V

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1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey,

3. any other relevant information.

OFFICE USE

230

P.W. No.

1

Part

53

Sheet Ref.

94

Observer

1/1

Comb/Spare

RETURN to

Field Officer:

(address is in

'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

1981-85

Observer Doug phone _____

Address _____

Wetland Nature Reserve name Benger Swamp postcode _____

P.W. No. 230 Part No. _____

Date of Survey Start/Finish Sheet 1 of 1

2.6.12.14.83 1.7.2.0.1.8.3.0 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ A
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		Total number of birds recorded (last digit ↓)	Tor P: Total or Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevtn (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>pel</u>	<u>1,0,6</u>	<u>3,0</u>	<u>P</u>					
2 <u>pel</u>	<u>1,8,9</u>	<u>6,0</u>	<u>P</u>					
3 <u>gt E</u>	<u>1,8,7</u>	<u>7</u>	<u>P</u>					
4 <u>gl I</u>	<u>1,7,8</u>	<u>1</u>	<u>T</u>					
5 <u>sc I</u>	<u>1,7,9</u>	<u>7,0</u>	<u>P</u>					
6 <u>bl</u>	<u>1,8,2</u>	<u>1</u>	<u>P</u>					
7 <u>swan</u>	<u>2,0,3</u>	<u>9,5</u>	<u>P</u>					
8 <u>Ma Ha</u>	<u>2,1,9</u>	<u>2</u>	<u>P</u>					
9								
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Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W. No.

1

Part

5.4

Sheet Ref.

9.4

Observer

☐

Comb/Spare

RETURN to Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Doug phone _____

Address _____

Wetland Nature Reserve name Bongor Swamp postcode _____

P.W.No. 230 Part No. _____

Date of Survey Start/Finish Sheet 1 of 1

3.01.21.9.8.3 13.0.01.6.3.0 eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ L
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		Total number of birds recorded (last digit ↓)	Tor P: Total or Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 arel	1,0,6	...3,8	P					
2 Lhn	1,8,9	...1	P					
3 Wfhn	1,8,8	...9,2	P					
4 GtE	1,8,7	...1,4	P					
5 Scl	1,7,9	...6,9	P					
6 Scl	1,8,0	...7,9	P					
7 Gblf	1,8,2	...8	P					
8 Swn	2,0,3	...1,8,3	P					
9 Scl	2,0,7	...8,0	P					
10 PaBD	2,0,8	...2,8,4	P					
11 GgZl	2,1,1	...3,0,0	P					
12 PaLn	0,5,8	...3,5	P					
13 Brst	1,4,6	...1,0	P					
14 Gank	1,5,8	...2,1	P					
15 SclB	1,6,3	...1,0	P					
16 SiGl	1,2,5	...1	T					
17 CleW	5,2,4	...1	P					
18								
19								
20								

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

55

Sheet Ref.

94

Observer

11

Comb/Spare

RETURN to Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Douglas phone _____

Address _____

Wetland Nature Reserve name Benger Swamp postcode _____

P.W. No. 230 Part No. _____

Date of Survey Start/Finish Sheet 1 of 1

15/01/1984 10.30/13.30...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? M

2. Put an "A" if you are confident that you found all species present (otherwise put N). N

3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X

4. Used a telescope (T)? If not, put an X. X

5. Used a boat (B)? If not, put an X. X

Comments:

dry except for NW compartment

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>wp</u> <u>th</u>	<u>1,8,8</u>	<u>5,0</u> P						
2 <u>grt</u> <u>E</u>	<u>1,8,7</u>	<u>5</u> P						
3 <u>ac</u> <u>I</u>	<u>1,7,9</u>	<u>5,0</u> P						
4 <u>sh</u> <u>I</u>	<u>1,8,0</u>	<u>5,0</u> P						
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Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey,

3. any other relevant information.

OFFICE USE

230

P.W. No.

1

Part

56

Sheet Ref.

94

Observer

Comb/Spare

RETURN to Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

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Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Ench. SEDGWICK phone 049341371

Address 20 HERBERT RD, HARVEY postcode 6220

Wetland Nature Reserve name BENGER SWAMP

P.W.No. 230 Part No. 1

Date of Survey 06/07/1984 Start/Finish 08.00 09.55 Sheet 1 of 1

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SWAN: Some pairs on nest - not necessarily sitting - possibly still building. Five noted.

GRASSBIRD: Geared only in area of unburned REED WARBLER: Typha, on W side of Swamp - as on previous visit, but Eul (though rather muted) call of Reed Warbler heard.

BLACK DUCK: More active than other species - often in flight. These, as before, were not counted - only those on open water. Number given is, therefore, conservative.

HARRIER: I was tempted to record two 'pairs' though I did not have more than two in sight at any one time.

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd DR SN e yn
1 LPEC	100	...	1 T	
2 WEHn	188	...	8 T	
3 Swan	203	...	118 T	
4 Shel	207	...	2 T	
5 PaBD	208	...	60 T	
6 GyTL	211	...	18 T	
7 Show	212	...	2 T	
8 Hard	215	...	40 T	
9 BwID	216	...	8 T	
10 MusD	217	...	43 T	
11 Maltz	218	...	2 T	
12 PuSn	258	...	13 P	
13 Coot	258	...	1 T	
14 CREW	524	...	4 P	
15 LiGa	522	...	12 P	
16 uiaib	820	...	6 T	
17				
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Use the Wetland Map on the back of this form to mark...

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1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey,

3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

57

Sheet Ref.

37

Observer

☐

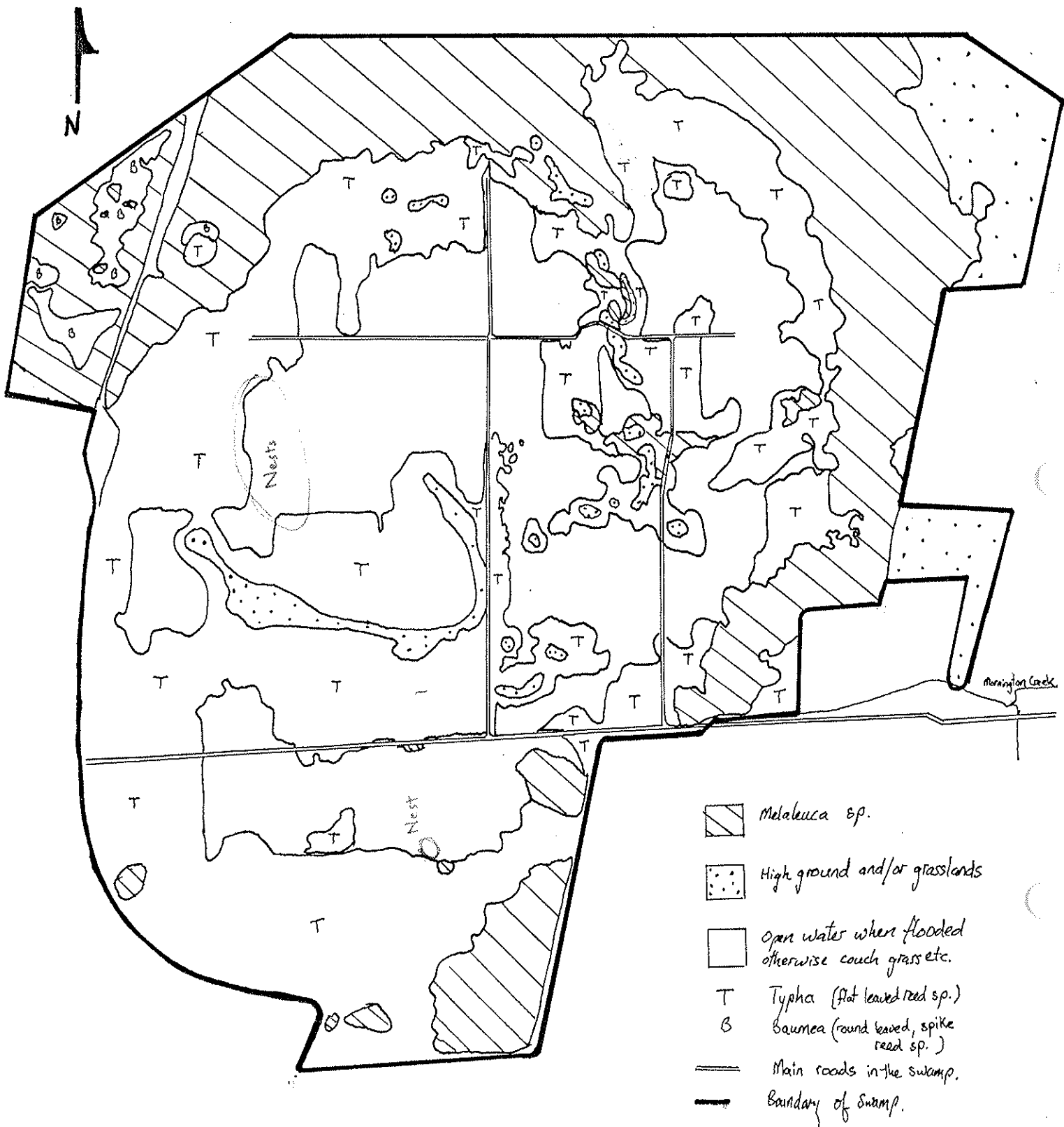
Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant section // check all data // print clearly.

* If nesting is general, many Swans could have been out of sight in the reed-beds.

BENGER SWAMP.



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Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eric H. SEDGWICK phone 097291371

Address 20 HERBERT RD, HARVEY postcode 6220

Wetland Nature Reserve name BENGER SWAMP

P.W.No. 230 Part No. 1

Date of Survey 06.06.1984 Start/Finish 07.15 09.15 Sheet 1 of 1

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ M
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments: Little water apart from drains. Numbers given are conservative, especially, I suspect, as relating to Black Duck. Grassbirds were both seen & heard in unburned Typha at east-centre of Swamp - numbers impossible to estimate - 20 is a wild guess. Reed Warblers - ? same area as Grassbirds: I heard single note calls, not, I think, Grassbird. However, past experience indicates that Reed Warblers are not usually present before mid August. Black Duck: Most were concentrated in the S.W. corner - unlike the Swan, which was well-distributed.

SPECIES		Total number of birds recorded (last digit ↓)	Tor P. Total or Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...				C/V	Use the Wetland Map on the back of this form to mark...
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e		
1 WELH	188	...10T							1. approximate positions of any active nests found (SN, e, yn).
2 Swan	203	...189T							2. the route of your survey,
3 Shel	207	...1T							3. any other relevant information.
4 PaBD	208	...689T							
5 MaHa	219	...1T							
6 PuSn	058	...39P							
7 CRW	524	...2P							
8 LiGd	522	...20P							
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

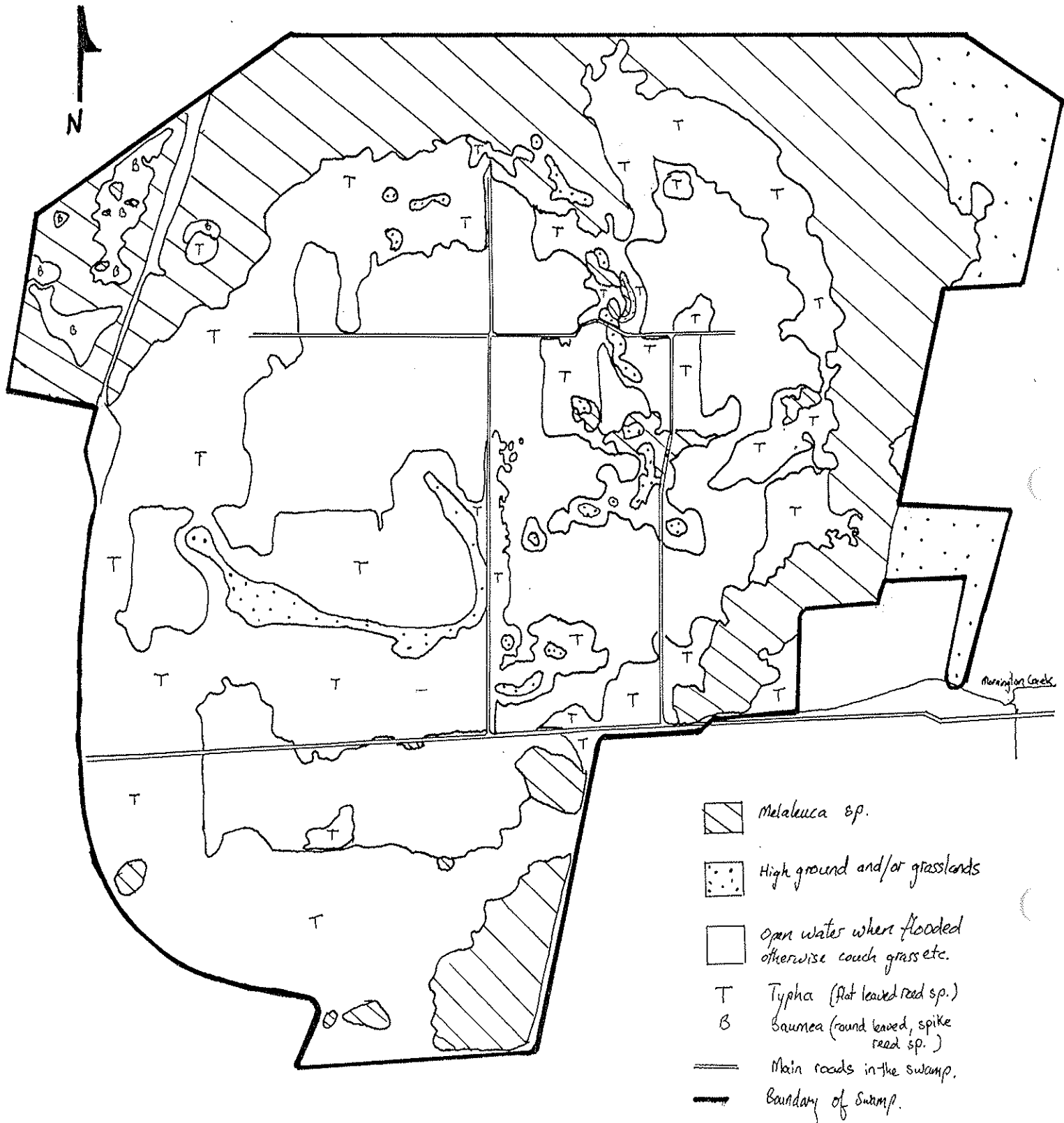
OFFICE USE

230
P.W.No.
1
Part
58
Sheet Ref.
37
Observer

Comb. // Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

BENGER SWAMP.



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WATERBIRD USAGEof
Wetland Nature Reservesvested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.Observer Eric H. SEDGWICK phone 097291371Address 20 HERBERT ROAD, HARVEY.postcode 6220.Wetland Nature Reserve name BENGER SWAMP.P.W.No. 230 Part No. 1Date of Survey 02.10.1984 Start/Finish 07.25 09.45 Sheet 1 of 1

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Swamp: Adults and young were counted together.Hardhead: As before, restless - many seen in flight. 50 added to actual score of birds counted on water. Subjectively, I would say that Hardhead may have been the dominant duck, though Black Duck more likely.Spotless Grebe: Possible calls discerned.Emu grebe: I suspect mainly, perhaps entirely, Hairy-headed Grebe.

SPECIES

English Name
abbrevn.
(4 letters)RAOU Atlas
No.Total number
of birds
recorded
(last digit)T or P:
Total
or Partial
Count
↓ HOVBREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 LiBC 097

... 1 T

2 LPiC 100

... 25 T

3 WStn 188

... 1 T

4 GteE 187

... 4 T

5 SacI 179

... 13 T

6 Swan 203

... 395 T

7 Shel 207

... 10 T

8 PBD 208

... 281 T

9 BpIL 211

... 4 T

10 Shov 212

... 6 T

11 Hard 213

... 215 T

12 BbiD 216

... 32 T

13 MusD 217

... 42 P

14 Malto 219

... 2 T

15 PuSn 058

... 6 P

16 Coot 059

... 276 T

17 BwSt 146

... 1 T

18 Crew 524

... 26 P ✓

19 LiGrd 522

... 2 P ✓

20 Wlb 820

... 32 T

Use the
Wetland Map on
the back of
this form
to mark...

C/V

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1/1

1. approximate
positions of
any active
nests found
(SN, e, yn).2. the route
of your
survey,3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

60
Sheet Ref.

37

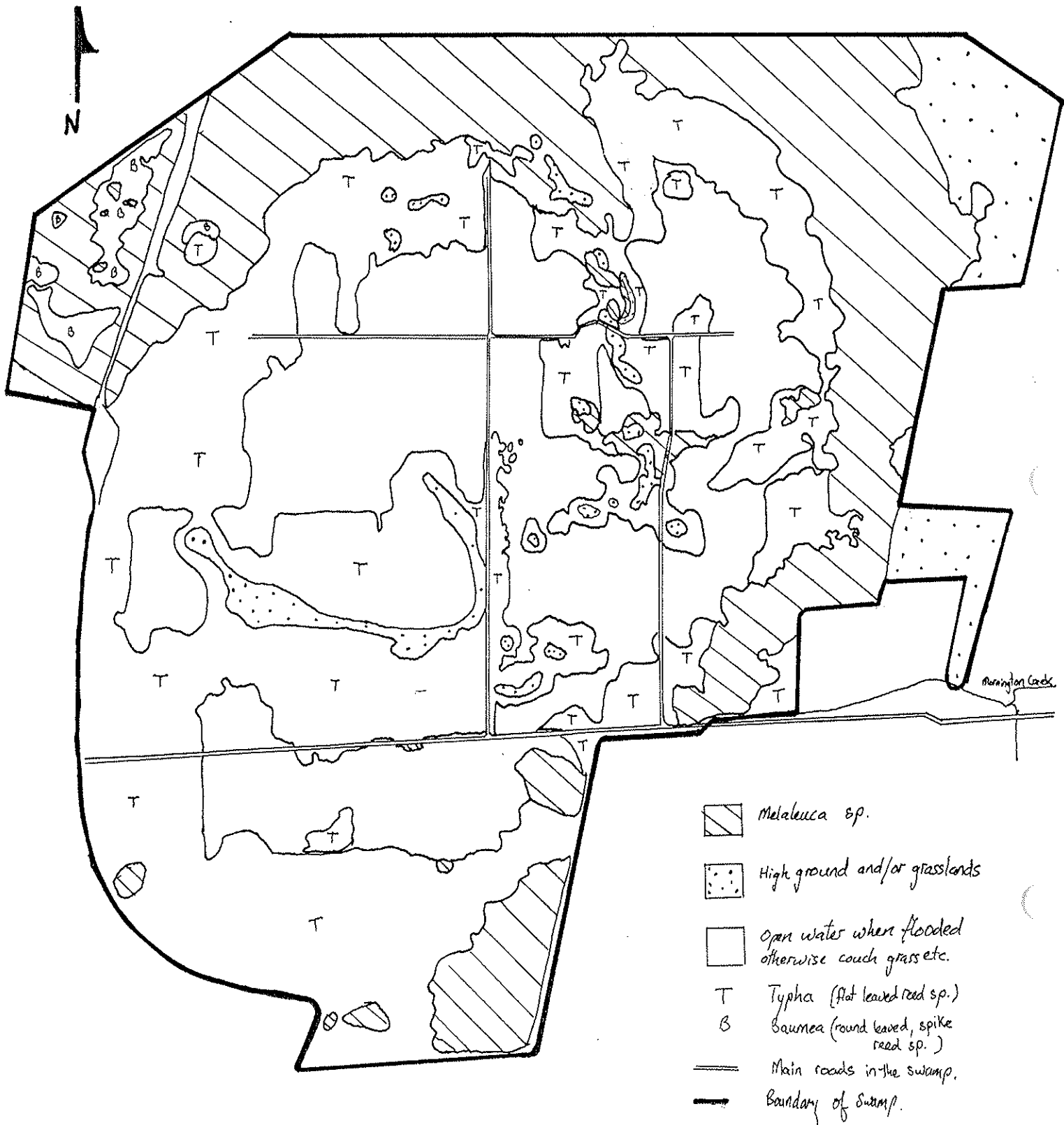
Observer

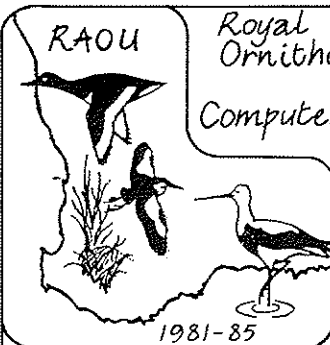
1/1

Comb./Spare

RETURN to
the
Field Officer:
(address is in
W.A. Bird Notes)Note: enter data for additional species on a separate form // put
extra comments on back or on attached sheets // complete all ques-
tions & relevant section // check all data // print clearly.

BENGER SWAMP.





Royal Australasian
Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer R. JHENSCH phone _____
Address R. VERJEST, D. WATKINS

Wetland Nature Reserve name BENZER SW postcode _____

P.W.No. 230 Part No. 1 (SE & NW)

Date of Survey Start/Finish Sheet 1 of 1

08/01/98 1330/1600 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. H
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

SPECIES	
English Name abbrevn. (4 letters)	RAOU Atlas No.

1 DuMo 0.5,6

2 Hurd 2,1,5

3 PaBD 2,0,8

4 BbD 2,1,6

5 HcG 0,6,2

6 BtNh 0,5,5

7 PuSn 0,5,8

8 GLE 1,8,7

9 Sait 1,7,9

10 Spck 0,5,1

11 _____

12 _____

13 _____

14 _____

15 _____

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17 _____

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20 _____

Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HOV
---	--------------------------------------

1 DuMo 0.5,6

2 Hurd 2,1,5

3 PaBD 2,0,8

4 BbD 2,1,6

5 HcG 0,6,2

6 BtNh 0,5,5

7 PuSn 0,5,8

8 GLE 1,8,7

9 Sait 1,7,9

10 Spck 0,5,1

11 _____

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16 _____

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18 _____

19 _____

20 _____

BREEDING: Tick ✓ if these categories were observed...				
dd	DR	SN	e	yn

1 DuMo 0.5,6

2 Hurd 2,1,5

3 PaBD 2,0,8

4 BbD 2,1,6

5 HcG 0,6,2

6 BtNh 0,5,5

7 PuSn 0,5,8

8 GLE 1,8,7

9 Sait 1,7,9

10 Spck 0,5,1

11 _____

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Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

61

Sheet Ref.

70

Observer

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eric H. SEDGWICK phone 097291371

Address 20 Herbert Rd. HARVEY postcode 6220

Wetland Nature Reserve name BENGER SWAMP

P.W.No. 230 Part No. —

Date of Survey 12.1.1984 Start/Finish 07.45 10.15 Sheet 2 of 2

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>LiGd</u>	<u>522</u>	<u>2</u>	<u>8</u>	✓				
2 <u>uigh</u>	<u>829</u>	<u>2</u>	<u>9</u>	✓				
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Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No. —

Part —

Sheet Ref. 62

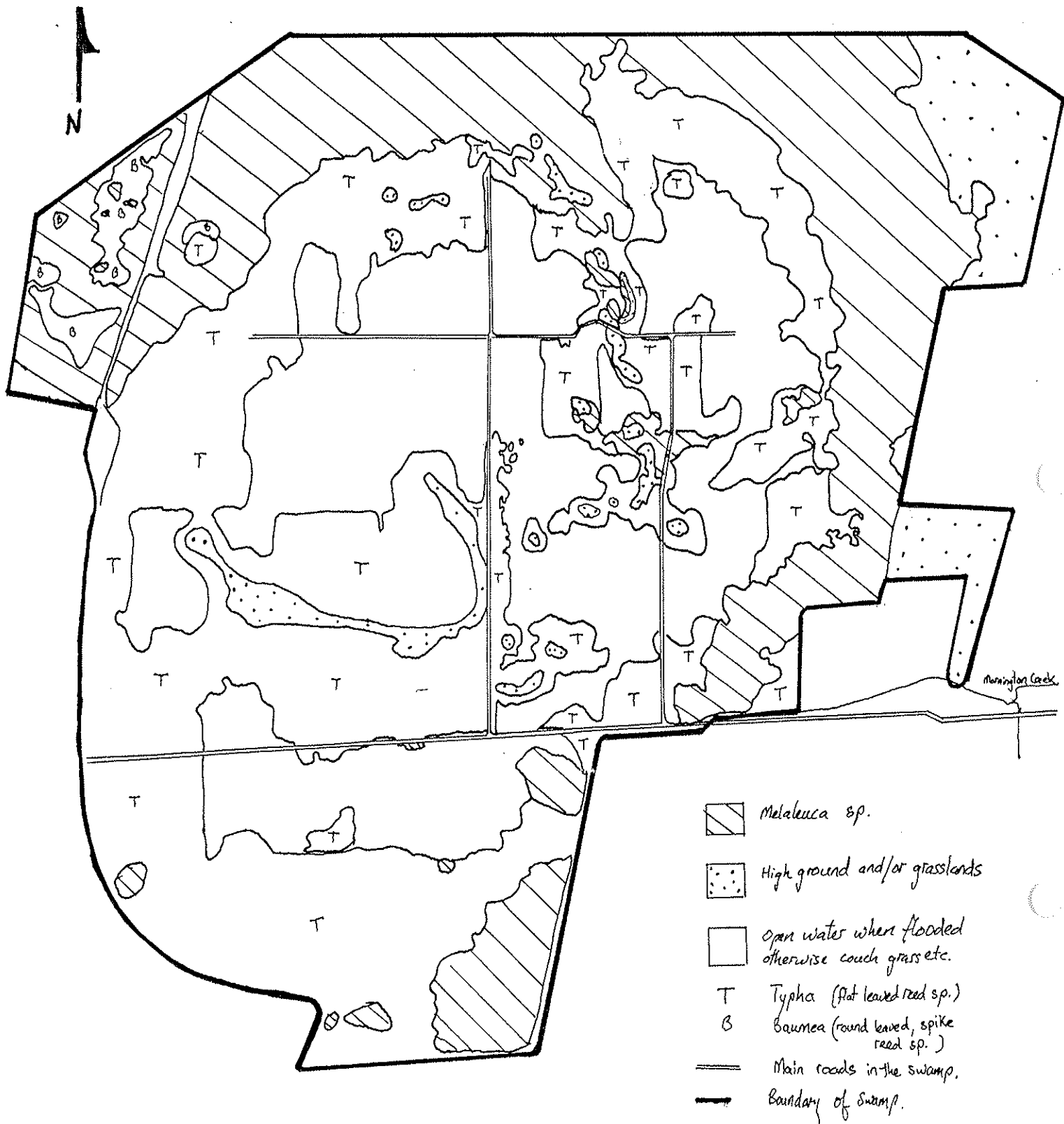
Observer 37

Comb./Spare 111

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant section // check all data // print clearly.

BENGER SWAMP.



RAOU

Royal Australasian
Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 097291371

Address 20 Herbert Ross, HARVEY.

postcode 6220.

Wetland Nature Reserve name BENGER SWAMP.

P.W.No. 230 Part No. 1

Date of Survey 12.11.1984 Start/Finish 07.45 Sheet 1 of 2

10.15 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W.
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Black Duck: May have been the dominant Duck. Experience in one area suggested that many may have been concealed in Typha whereas Shelduck were probably nearly all plainly visible.

Spotless Crane: Calls, possibly of this species again heard in several places.

Spotted Crane: Not recorded, but seen by me at Benger Swamp Birdways previously.

Little Black Cormorant: As far as I am aware - one seen on 7th Nov.

SPECIES

English Name
abbrevn.
(4 letters)

RAOU Atlas
No.

Total number
of birds
recorded
(last digit ↓)

T or P:
Total or Partial
Count.
↓ HO ↓

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey,

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

63
Sheet Ref.

37

Observer

1/1

Comb/Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

1 ABal 106

19 T

2 LRic 100

49 T

3 PaHn 177

1 T

4 WtHn 188

48 T

5 GrtE 187

6 T

6 SacI 179

43 T

7 Swan 203

206 T

8 Shel 207

401 T

9 BBD 208

321 T

10 GyTL 211

1 T

11 Shov. 212

3 T

12 Hard 215

68 T

13 MorD 202

2 T

14 B.b.D 216

10 T

15 MusD 217

38 T

16 MalHa 219

2 T

17 PuSn 0.58

5 P

18 Coot 0.58

30 T

19 BuSt. 144

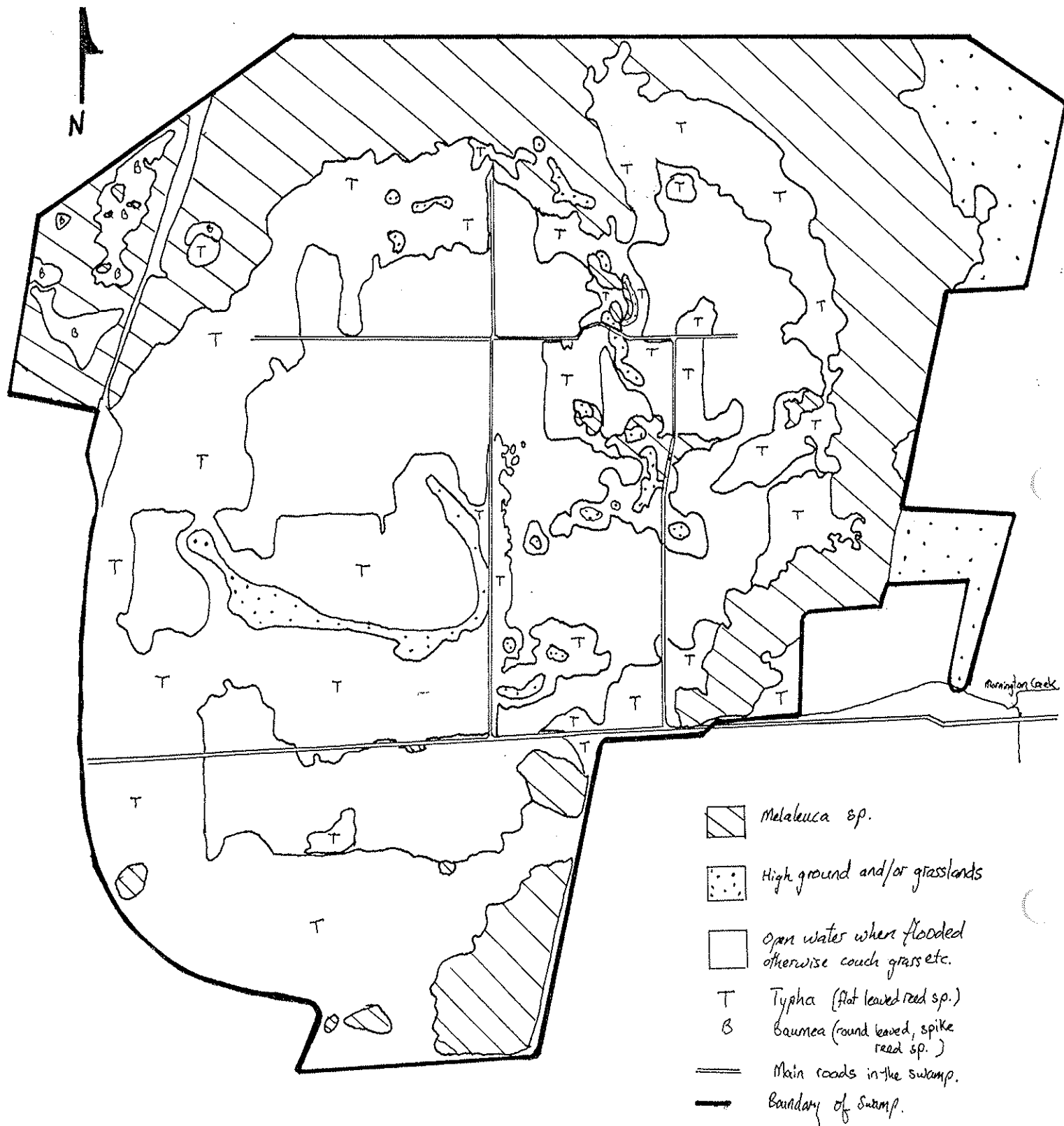
1 T

20 CRW 524

40 P

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant section // check all data // print clearly.

BENGER SWAMP.



RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Ench. SEDGWICK phone 099293971

Address 20 HERBERT ROAD, HARVEY postcode 6220

Wetland Nature Reserve name BENGER SWAMP

P.W.No. 230 Part No. 1

Date of Survey 08.08.1984 Start/Finish 08.15 09.55 Sheet 1 of 1

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L); medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Swan: Some at nests adjacent to open water - some, probably, at nest hidden from view.

Shelduck: Two (apparent pairs) with brood of 2 + c 10 downy ducklings - too closely grouped to count accurately.

7 Musc Duck: Vigorous courtship displays.

Spotted Cranes: Calls, attributed tentatively to this species heard over a wide area.

Swamp: 20+ cranes in a limited area of Typha growing in burned area.

Covered: 1/2 as far daily. Confined to Typha areas. Low water / not reached by fire.

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd DR SN e yn
1 Vieb.	820	...	3 T	
2 LRC	100	...	9 T	
3 Sac	179	...	6 T	
4 Swan	203	...	183 P	
5 Sheld	207	...	35 T	
6 RSP	208	...	217 T	
7 Gull	211	...	146 T	
8 Shov	212	...	38 T	
9 Pea-D	213	...	2 T	
10 Hard	215	...	26 T	
11 MusD	217	...	64 T	
12 Motta	219	...	2 T	
13 Syc	051	...	1 P ✓	
14 RASn	058	...	30 P	
15 Crow	524	...	2 P ✓	
16 LiGo	522	...	12 P ✓	
17				
18				
19				
20				

Use the Wetland Map on the back of this form to mark...

C/V

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1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey;

3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

64

Sheet Ref.

37

Observer

☐ ☐

☐ ☐

Comb./Spare

☐ ☐

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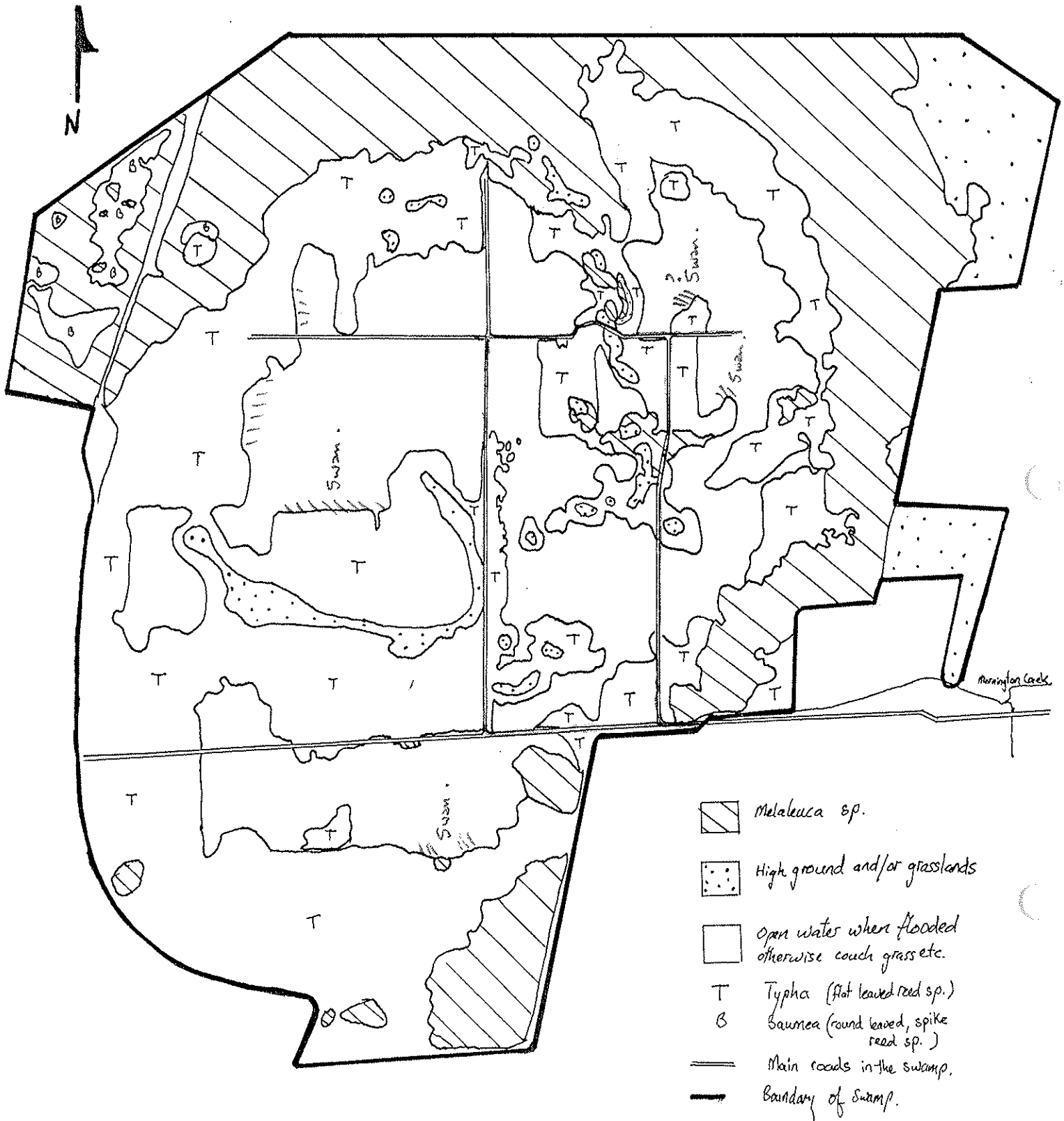
☐ ☐

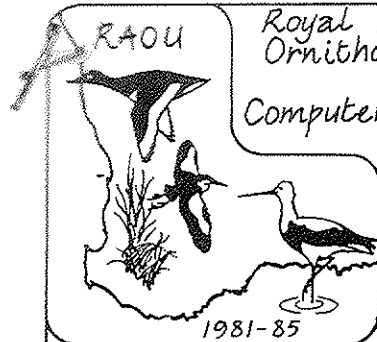
☐ ☐

☐ ☐

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant section // check all data // print clearly.

BENGER SWAMP.





Royal Australasian
Ornithologists Union

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WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 091291371
Address 20 HERBERT RD. HARVEY

Wetland Nature Reserve name BENGER SWAMP

P.W. No. 230 Part No. 1

Date of Survey 14.01.1985 Start/Finish 07.00 08.30 Sheet 1 of 1

eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ M
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

- X Number noted in field.
- X Estimate based on T. Jan. count.
- X Rough estimate.
- X Position uncertain, but possibly much as on T. Jan.

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count. ↓ HO ↓	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 LpC	1pp	...	3 T	X				
2 NpHn	188	...	200 T	X				
3 Gnt E	187	...	1 T	X				
4 Ssc I	179	...	80 T	X				
5 Ssk I	180	...	3 T	X				
6 YbSL	182	...	4 T	X				
7 Swan	203	...	25 T	X				
8 Shel	207	...	50 T	X				
9 BBD	208	...	20 T	X				
10 Gnt TL	211	...	10 T	X				
11 Mas D	217	...	1 T	X				
12 MaHa	218	...	2 T	X				
13 PuSm	058	...	1 P	X				
14 Brest	146	...	1 T	X				
15 Gntk	158	...	3 T	X				
16 Clk W	524	...	1 P	X				
17 LiGd	522	...	1 P	X				
18								
19								
20								

Use the Wetland Map on the back of this form to mark...

C/V

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1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W. No.

1

Part

65

Sheet Ref.

37

Observer

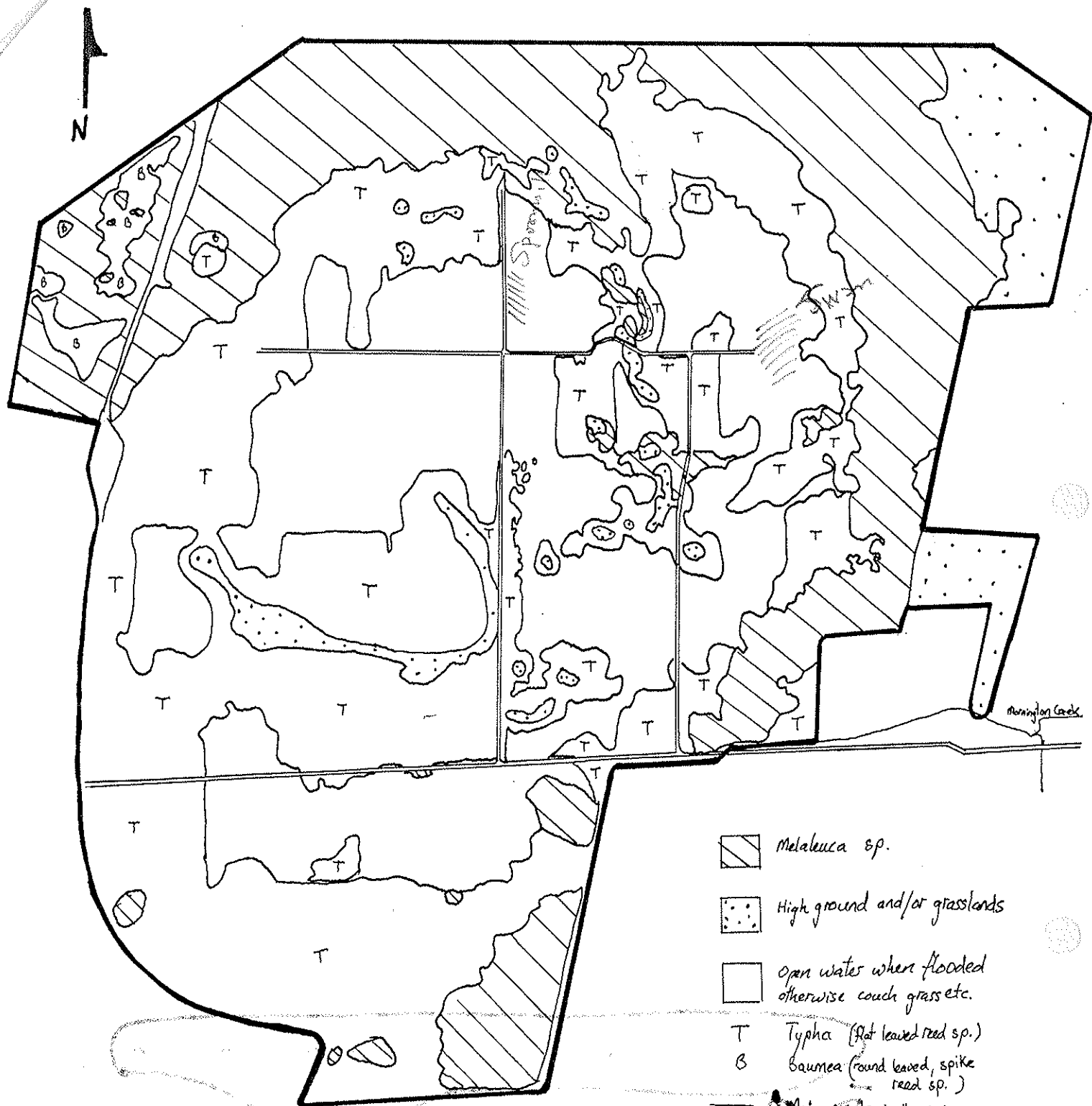
11






Comb/Spare

RETURN to
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

BENGER SWAMP.



-  *Metaleuca* sp.
-  High ground and/or grasslands
-  open water when flooded otherwise couch grass etc.
- T *Typha* (flat leaved reed sp.)
- B *Baumea* (round leaved, spike reed sp.)
-  Main roads in the swamp.
-  Boundary of Swamp.

20 Herbert Rd.

HARVEY 6220.

14 Jan. 1985.

Dear Roger,

I indicated in my last letter that the report enclosed therein would probably be my last for the season - & the project.

Today, I made my usual circuit intending to note species present & with no intention of making an individual count. However, I thought you might be interested in the dramatic change that has taken place during one week, despite fairly mild seasonal conditions. Water levels have dropped even more than I expected - & I have learned to expect rapid change at this time of year.

As you will see, the number of duck present has reduced very considerably. The swan were confined to the N.E. 'cove' when there remained enough water to cover their feet.

My observations suggest a 'bad' year for waders: - I suggested a possible reason in my last communication but it is hardly adequate.

I put the results of today's circuit on the 'official' form, not intending that you should use it for your records, but I suppose you could so use it if you desired - it is probably fair average accurate.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

Use the Map on the back of this form to mark ...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey;
3. any other relevant information

OFFICE USE

230

P.M.N.

Part

65

Sheet Ref

37

Observer

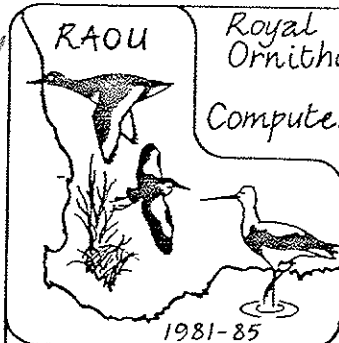
Comb // Spare

RETURN

Field Office

(address is in W.A. Bird Nod

a separate form / put ts / complete all ques print clearly.



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Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer W. W. phone _____

Address _____ postcode _____

Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey _____ Start/Finish _____ Sheet 1 of 1

03011985 1.14.51.4.00 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

1. = L.66 522 1 P

SPECIES
English Name abbrevn. (4 letters) RAOU Atlas No.

1 L.66 522

2 Zoon 2,03

3 ApeL 1,0,6

4 Zec I 1,7,9

5 Zec I 1,8,0

6 WjHn 1,8,9

7 Gt E 1,8,7

8 Yb-Sb 1,8,2

9 PcHn 1,8,4

10 P.60 2,0,8

11 Gg ZL 2,1,1

12 Shcl 2,0,7

13 PeqD 2,1,3

14 Hard 2,1,5

15 P.8a 0,5,8

16 RnBz 1,4,8

17 BwBt 1,4,7

18 LiPC 1,0,0

19 CReW 5,2,4

20

Total number of birds recorded (last digit) Total or Partial Count. T or P. ☒ HO

1 P

9,8 P

1,1 P

4,2 P

2,8 P

2,6,0 P

1,3 P

5 P

1,8,4

2,6,5 P

3,7,0 P

5,6,9 P

5,0 P

1 P

1,2 P

1 P

6,6 P

1,6 P

5 P

BREEDING: Tick ☒ if these categories were observed... dd DR SN e yn

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey.

3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

66

Sheet Ref.

94

Observer

11

Comb./Spare

Note: enter data for additional species on a separate form / put extra comments on back - on attached sheets / complete all questions & relevant section / check all data / print clearly.

RAOU

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Computer Form for use in the Survey of

WATERBIRD USAGE

Wetland Nature Reserves
of
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer George W phone _____

Address _____

Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 2

0.7.0.1.1.9.8.5 0.9.0.0.1.4.0.0...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ T
5. Used a boat (B)? If not, put an X. ☒ B

Comments:

SPECIES

English Name
abbrevn.
(4 letters)

RAOU Atlas
No.

Total
number
of birds
recorded
(last digit)

T or P
Total
or Partial
Count
✓ HOW

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 Swan 2,0,3

1,1,7 P

2 Bee I 1,7,9

7,8 P

3 sn I 1,8,0

3,0 P

4 Yb Bl 1,8,2

1,2 P

5 Pz Sn 0,5,8

7,7 P

6 Pc Hn 1,8,9

1 P

7 Wf Hn 1,8,8

4,2,5 P

8 Yrt E 1,8,7

1,6 P

9 APd 1,0,6

1,8 P

10 Ma Ha 2,1,9

3 P

11 Shul 2,0,7

6,7,9 P

12 Pz BK 2,0,8

4,4,0 P

13 Gy Zl 2,1,1

6,1,5 P

14 Pz O 2,1,3

2,0 P

15 Shw 2,1,2

1,0 P

16 Ganh 1,5,8

1 P

17 Sp Ch 0,5,1

3 P

18 hi BC 0,9,7

2 P

19 Pz C 0,9,9

3 P

20 Bw Lt 1,4,7

5 P

Use the
Wetland Map on
the back of
this form
to mark...

C/V

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1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey;
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

6,7

Sheet Ref.

9,4

Observer

1111

Comb./Spare

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RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back - on attached sheets / complete all questions & relevant section - check all data / print clearly.

RAOU

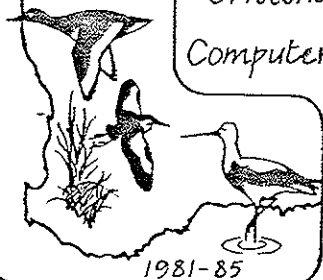
Royal Australasian
Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.



Observer Shirley W phone _____

Address _____ postcode _____

Wetland Nature Reserve name Bongers

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 2 of 2

0.7.0.1.1.9.8.5 0.9.0.0.1.4.0.0...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ T
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES	
English Name abbrev'd (4 letters)	RAOU Atlas No.

1 higb 5.2.2

2 Chow 5.2.4

3 Chp 1.4.4

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

10 _____

11 _____

12 _____

13 _____

14 _____

15 _____

16 _____

17 _____

18 _____

19 _____

20 _____

Total number of birds recorded (last digit)	T or P: Total or Partial Count ↓ HOV
---	--

_____ P

_____ P

_____ P

BREEDING: Tick ✓ if these categories were observed...			
dd	DR	SN	e yn

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey.

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

6.8

Sheet Ref.

9.4

Observer

111

Comb./Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put
extra comments on back ~ on attached sheets / complete all ques-
tions & relevant section / check all data / print clearly.

RAOU

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Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

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Wetland Nature Reserves

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Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Doug W phone _____

Address _____ postcode _____

Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey _____ Start/Finish _____ Sheet 1 of 1

31.12.1984 1.4.2017.0.0 eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. X

Comments:

SPECIES

English Name
abbrevn.
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit y)

T or P
Total
or Partial
Count
y H O V

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 U.D.K 8,3,8

1,50,0 P

2 B.W.B 1,4,7

7,6 P

3 RnAc 1,4,8

1 P

4 APL 1,0,6

5 P

5 _____

6 _____

7 _____

8 _____

9 _____

10 _____

11 _____

12 _____

13 _____

14 _____

15 _____

16 _____

17 _____

18 _____

19 _____

20 _____

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey;

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

69

Sheet Ref.

94

Observer

Comb./Spare

RETURN to

the
Field Officer:

(address is in

'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back on attached sheets / complete all questions & relevant sections / check all data / print clearly.

RAOU

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Doug W phone

Address postcode

Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey 27/2/1984 Start/Finish 1.3.3.0/1.4.0.0 Sheet 1 of 1

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Water Son = 0.24m

NE = 0.57m

SPECIES	
English Name abbrevn. (4 letters)	RAOU Atlas No.

1 Boat 1.4.6

2 Gank 1.5.8

3 APel 1.0.6

4 BTNh 0.5.5

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Total number of birds recorded (last digit)	T or P Total or Partial Count
--	--

5.0 P
9 P
1.5 P
3 P

BREEDING:				
Tick ✓ if these categories were observed...				
dd	DR	SN	e	yn

Use the
Wetland Map on
the back of
this form
to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

70

Sheet Ref.

94

Observer

Comb/Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back ~ on attached sheets // complete all questions & relevant section // check all data // print clearly.

RAOU

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

Wetland Nature Reserves
of
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Doug W phone _____

Address _____
Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey _____ Start/Finish _____ Sheet 1 of 1

1.6 1.2 1.9.9.4 1.1.4.5 1.4.3.0...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ T
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Rhipidura + Lophura + Lophura

water ~ 0-4 m

SPECIES

English Name
RAOU Atlas
abbrevtn No.
(4 letters)

1 YB 1.8.2

2 BTNH 0.5.5

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

10 _____

11 _____

12 _____

13 _____

14 _____

15 _____

16 _____

17 _____

18 _____

19 _____

20 _____

Total number
of birds
recorded
(last digit)

1.7

6

T or P:
Total
or Partial
Count

P

P

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey,

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

7.1

Sheet Ref.

9.4

Observer

Comb./Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back / on attached sheets / complete all questions & relevant section / check all data / print clearly.

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Computer Form for use in the Survey of

WATERBIRD USAGE

Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Wong 25 phone

Address postcode

Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey 1.2.12 Start/Finish 19.8.4 Sheet 1 of 2

0.9.3.0 2.0.0.0 eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. L
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. X

Comments:

Board Pulling!

SPECIES

English Name
abbrevtn.
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit ↓)

T or P
Total
or Partial
Count
↓ HOV

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 APel 1,0,6

53 P

2 HbGb 0,6,2

40 P

3 laGb 0,6,1

8 P

4 Swen 2,0,3

8,9 P

5 gtE 1,8,7

15 P

6 Shel 2,0,7

8,8,0 P

7 LaBD 2,0,8

5,2,0 P

8 Shoo 2,1,2

3,3 P

9 Hard 2,1,5

6 P

10 GyrJL 2,1,1

4,9,0 P

11 PeaD 2,1,3

1,5 P

12 WfAn 1,8,8

4,8 P

13 LaPC 1,0,0

1,3,3 P

14 LaBC 0,9,7

1,0 P

15 SalCI 1,7,9

2,6 P

16 Lot 0,5,9

6,2 P

17 LaSn 0,5,8

4 P

18 BnSt 1,4,6

5 P

19 GrI 1,7,8

5 P

20 BtNH 0,5,5

4 P

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1

1

1

1

1

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1

1

1

1

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1

1

1

1. approximate
positions of
any active
nests found
(SN,e,yn).

2. the route
of your
survey,

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

72

Sheet Ref.

94

Observer

111

Comb/Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back on attached sheets / complete all questions & relevant section / check all data / print clearly.

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Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Roug W phone
Address

Wetland Nature
Reserve name

P.W.No. 830 Part No.

Date of Survey Start/Finish Sheet 2 of 2
1.2.1.2.1.9.8.4 0.4.3.0.2.0.0.0...eg. 100pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☐
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☐
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☐
4. Used a telescope (T)? If not, put an X. ☐
5. Used a boat (B)? If not, put an X. ☐

Comments:

SPECIES

English
Name
abbrevtn
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit)

Tor P
Total
or Partial
Count

NEEDING:
Tick ✓ if these
categories were
observed...
dd DR SN e yn

1 Str I 1,8,0

2 Man D 2,0,2

3 Ma Ha 2,1,9

4 Ch W 5,2,4

5 Lg 5,2,2

6 Gank 1,5,8

7 Spck 0,5,1

8

9

10

11

12

13

14

15

16

17

18

19

20
 1 P
 4 P
 7 P
 1 P
 1 P
 1 P
 2 P ✓

Use the
Wetland Map on
the back of
this form
to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

73

Sheet Ref.

94

Observer

11

Comb./Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back on attached sheets / complete all questions & relevant sections: check all data / print clearly.

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WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Doug W phone _____

Address _____
Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1

0.7 1.2 1.9.8.4 1.0.3.0 1.4.0.0 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ N
4. Used a telescope (T)? If not, put an X. ☒ T
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		Total number of birds recorded (last digit ↓)	T or P Total or Partial Count ↓	BREEDING: Tick ✓ if these categories were observed...			
English Name abbrevn (4 letters)	RAOU Atlas No.			dd	DR	SN	e yn
1 <u>Yb Sb</u>	<u>1.8.2</u>	<u>1</u>	<u>P</u>				
2 <u>Bt Rb</u>	<u>0.5.5</u>	<u>2</u>	<u>P</u>				
3 <u>Ap Rb</u>	<u>1.0.6</u>	<u>4</u>	<u>P</u>				
4 <u>Sc I</u>	<u>1.7.9</u>	<u>4</u>	<u>P</u>				
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

74

Sheet Ref.

9.4

Observer

11

Comb/Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back ~ on attached sheets // complete all questions & relevant section, check all data // print clearly.

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Wag W phone _____
Address _____

Wetland Nature Reserve name Benger postcode _____

P.W. No. 730 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1

1.5091984 12001500...eq. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. L
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. X

Comments:

swan - 178 sig.

SPECIES		Total number of birds recorded (last digit ↓)	Tot P. Total or Partial Count ↓	BREEDING: Tick ✓ if these categories were observed...
English Name abbrevtn. (4 letters)	RAOU Atlas No.			dd DR SN e yn
1 <u>Hk Gb</u>	<u>0,6,2</u>	<u> </u> 3 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
2 <u>angb</u>	<u>0,6,1</u>	<u> </u> 4 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
3 <u>tipc</u>	<u>1,0,0</u>	<u> </u> 3 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
4 <u>sec g</u>	<u>1,7,4</u>	<u> </u> 1, 2 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
5 <u>bnk g</u>	<u>1,8,0</u>	<u> </u> 4 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
6 <u>zwn</u>	<u>2,0,3</u>	<u> </u> 3, 6, 0 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u> ✓
7 <u>shl</u>	<u>2,0,7</u>	<u> </u> 2 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
8 <u>P-BD</u>	<u>2,0,8</u>	<u> </u> 1 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
9 <u>shov</u>	<u>2,1,2</u>	<u> </u> 5 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
10 <u>Bi BD</u>	<u>2,1,6</u>	<u> </u> 1, 0, 2 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
11 <u>mauD</u>	<u>2,1,7</u>	<u> </u> 2, 1 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
12 <u>Hard</u>	<u>2,1,5</u>	<u> </u> 5, 5 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
13 <u>ma Ha</u>	<u>2,1,9</u>	<u> </u> 1 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
14 <u>Pw Sn</u>	<u>0,5,8</u>	<u> </u> 2 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
15 <u>oot</u>	<u>0,5,9</u>	<u> </u> 1, 7, 0 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
16 <u>W. B</u>	<u>1,5,4</u>	<u> </u> 4 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
17 <u>CRW</u>	<u>5,2,4</u>	<u> </u> 5 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
18 <u>Li Gb</u>	<u>5,2,2</u>	<u> </u> 2 <u>P</u>		<u> </u> <u> </u> <u> </u> <u> </u>
19 <u> </u>	<u> </u>	<u> </u>		<u> </u> <u> </u> <u> </u> <u> </u>
20 <u> </u>	<u> </u>	<u> </u>		<u> </u> <u> </u> <u> </u> <u> </u>

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information

OFFICE USE

230

P.W. No.

Part

75
Sheet Ref

94

Observer

Comb. // Spare		

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back - on attached sheets / complete all questions & relevant sections, check all data / print clearly.

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Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

Wetland Nature Reserves
of
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

1981-85

Observer Slough NS phone _____

Address _____ postcode _____

Wetland Nature Reserve name Benger Swamp

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1

05091984 09301130...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ T
5. Used a boat (B)? If not, put an X. ☒ B

Comments:

Water ~ 0.8m

Swan ~ 10k young

SPECIES

English Name
abbreviated
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit)

T or P
Total
or Partial
Count
↓ HOV

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 Swan 2,0,3

277 P

✓

2 P. Swan 0,5,8

10 P

3 Sheld 2,0,7

10 P

4 Shov 2,1,2

12 P

5 Mus D 2,1,7

44 P

6 Hard 2,1,5

29 P

7 B.B.D 2,1,6

30 P

8 P.B.D 2,0,8

44 P

9 C. Red W 5,2,4

8 P

10 W. B 1,5,4

3 P

11 B. W. T 1,4,6

1 P

12 Coot 0,5,9

60 P

13 L. P. C 1,0,0

2 P

14 M. H. 2,1,9

1 P

15 L. G. B 5,2,2

1 P

16 L. B. C 0,9,7

7 P

17

18

19

20

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey,

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

76

Sheet Ref.

94

Observer

Comb/Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back - on attached sheets / complete all questions & relevant section. check all data / print clearly.

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Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Leong Watkins phone _____

Address _____ postcode _____

Wetland Nature Reserve name Benger Swamp

P.W.No. 230 Part No. 1

Date of Survey _____ Start/Finish _____ Sheet 1 of 1

2,3 0,6 1,9 8,4 1,1 1,5 1,5 3,0 ...eg. 100pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☐ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☐ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☐ L
4. Used a telescope (T)? If not, put an X. ☐ T
5. Used a boat (B)? If not, put an X. ☐ X

Comments:

~ 0.7m of water

SPECIES

English Name
abbrev'n.
(4 letters)

RAOU Atlas
No.

Total number
of birds
recorded
(last digit ↓)

T or P:
Total
or Partial
Count
Count
↓ HOV

BREEDING:
Tick ✓ if these
categories were
observed...

Use the
Wetland Map on
the back of
this form
to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

77

Sheet Ref.

94

Observer

Comb./Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back on attached sheets / complete all questions & relevant sections / check all data / print clearly.

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 097291371
Address 20 HERBERT ROAD, HARVEY

Wetland Nature Reserve name BENGER SWAMP
P.W.No. 230 Part No. -

Date of Survey 04/12/84 Start/Finish 07.10/09.20 Sheet 1 of 2
...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Rufous Night Heron: Two freshly shed primaries of adult birds noted individually.
Asian Dittern: No calls have been recorded during 1984 & no sightings made.
Marsh Harrier: I suspect the Swamp supports four Harriers, but as they are usually seen singly this is hard to demonstrate. Today I noted one, then two (all dark, I think) and then one unusually pale bird. Early last month I saw three simultaneously.

Marsh Ducks: Few recorded, though water levels are still fairly high. Those present silent & not displaying.

SPECIES

English Name
abbrevn.
(4 letters)

RAOU Atlas
No.

Total number of birds recorded (last digit ↓)

T or P: Total or Partial Count
↓ H or V

BREEDING: Tick ✓ if these categories were observed...
dd DR SN e yn

1 HhGb 062

... 37 T

2 AuGb 061

... 1 T

3 APel 106

... 32 T

4 LiBC 097

... 3 T

5 LPrC 100

... 8 T

6 WStn 188

... 21 T

7 GrE 187

... 8 T

8 SclI 179

... 28 T

9 Swzn 203

... 14 T

10 Shel 207

... 25 T

11 RbD 208

... 29 T

12 GgTL 211

... 19 T

13 Shov 212

... 6 T

14 Hard 215

... 3 T

15 ManD 202

... 4 T

16 BbiD 216

... 3 T

17 MusD 217

... 5 T

18 MaHa 219

... 4 T

19 PaSn 058

... 6 P

20 Coot 059

... 1 T

Use the Wetland Map on the back of this form to mark...

C/V

1

1

1

1

1

1

1

1

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1

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1

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1

1

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey;
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

78

Sheet Ref.

37

Observer

1/1









Comb./Spare

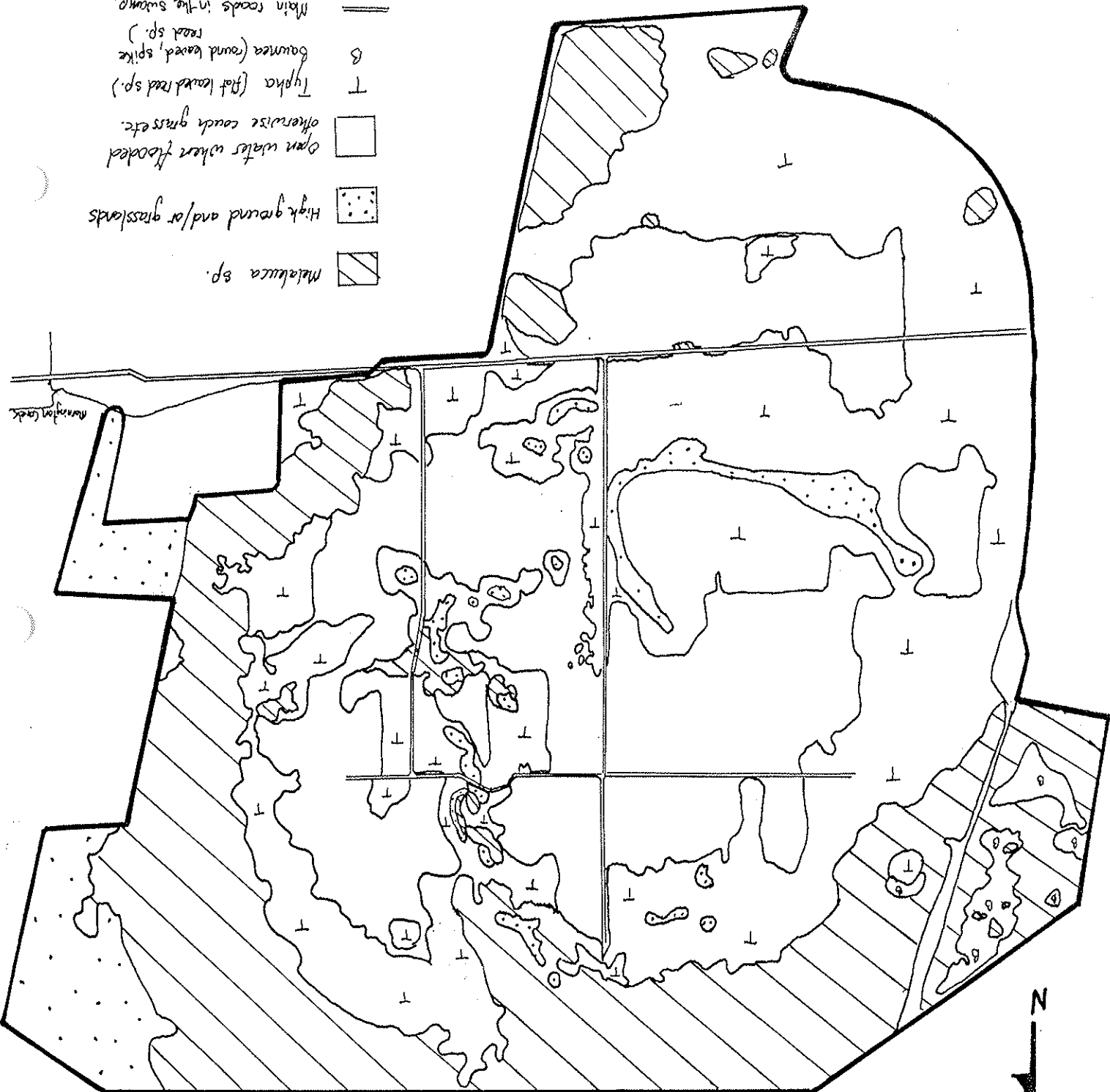
RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

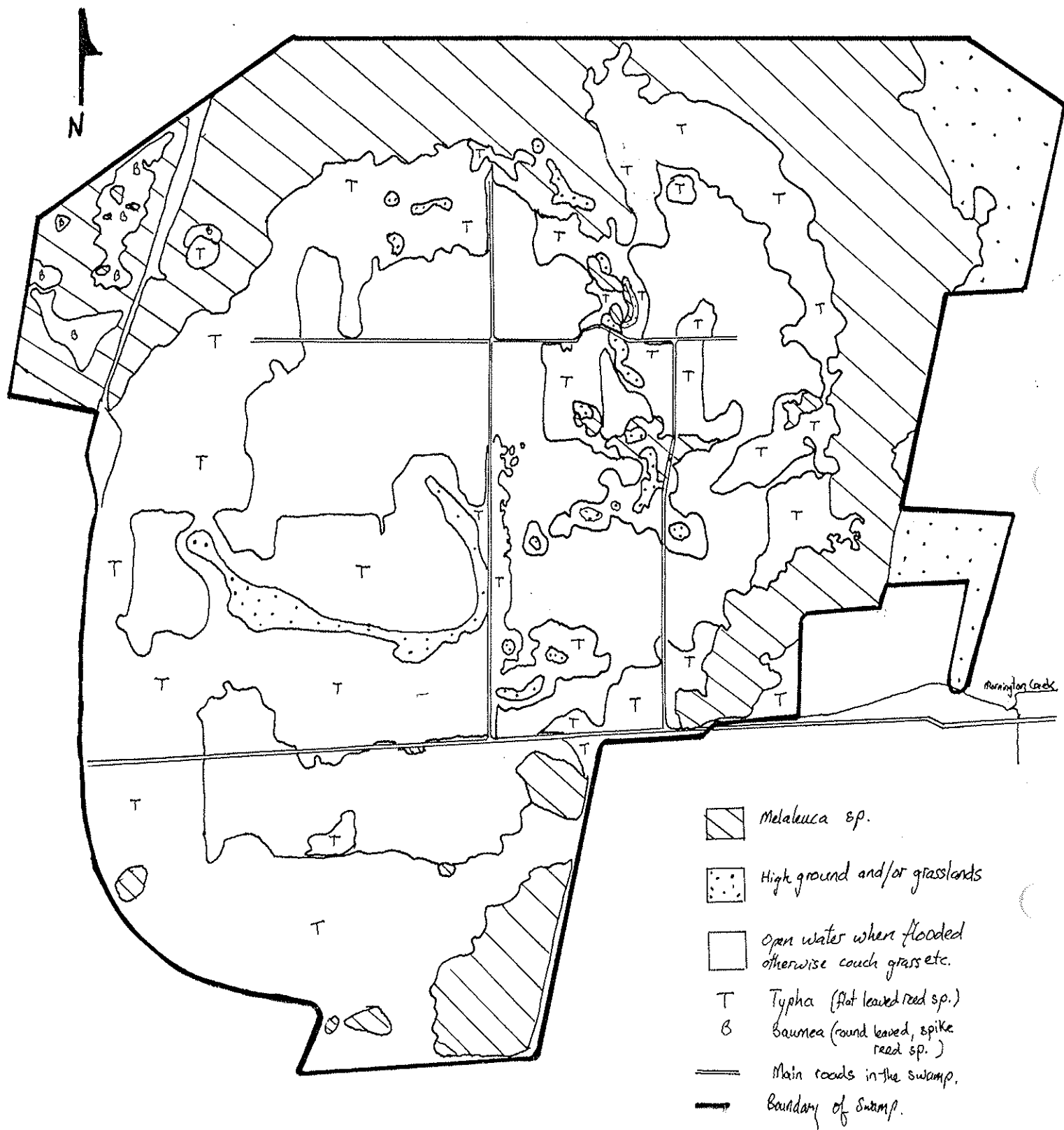
BENGER SWAMP.



-  *Malacca* sp.
-  High ground and/or grasslands
-  Open water when flooded
-  otherwise couch grass etc.
-  *Typha* (flat leaved reed sp.)
-  *Banana* (round leaved, spike reed sp.)
-  Main roads in the swamp.
-  Boundary of swamp.



BENGER SWAMP.



RAOU

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Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGEof
Wetland Nature Reservesvested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.Observer Eric H. SEDGWICK phone 097291371.Address 20 HERBERT ROAD, HARVEY.postcode 6220.Wetland Nature Reserve name BENGER SWAMP.P.W.No. 230 Part No. 1Date of Survey 07/01/98 Start/Finish 07.00 09.00 Sheet 1 of 107.00 09.00 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Yellow-billed Spoonbill: Several flocks of 2 or 3 birds in flight. Finally on 3.W. pool 4 + 6 birds in view at one time. The figure of 10 is, therefore conservative.

Hardhead: Looked at main drains expecting to see one or two Musk Duck - and logged two Hardhead - the only ones seen today.

Stilt: The only waders seen.

* Nativehen: 2-10 seen on 26 Dec and 2 (at the same place) on 28 Dec, but none today.

* White-necked Heron: 1 on 26 Dec & 1 on 28 Dec 1998 - none today.

* Migrant Waders: Several Greenshanks seen on 28 Dec. Scarcity of waders may be due to unseasonably consistent rain producing lush grass in areas where waders might be expected.

SPECIES

English Name
abbrevtn.
(4 letters)RAOU Atlas
No.Total number
of birds
recorded
(last digit ↓)Tor P:
Total
or Partial
Count.
↓ HO ↓BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN, e, yn).2. the route
of your
survey,3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

Sheet Ref.
37

Observer

Comb/Spare

RETURN to
Field Officer:
(address is in
'W.A. Bird Notes')

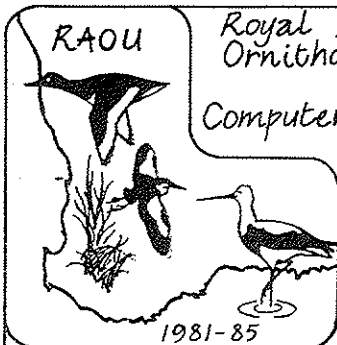
Note: enter data for additional species on a separate form / put extra comments on bac' or on attached sheets / complete all questions & relevant section / check all data / print clearly.

JAN
85
Sedgebrook
37.

added a comment on Purple Swamphens to my January
count: "I saw far more than usual - up to fifteen
at a time - These birds were using the grassy

230/1.

margin of the receding pools - situations that have
only recently developed. (Vide my comment on *Mareca Woodcock*)⁴



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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer SEDEWICK phone _____
Address _____

Wetland Nature Reserve name BENGER postcode _____
P.W. No. 230 Part No. 1

Date of Survey 28/12/1984 Start/Finish _____ Sheet of _____
...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☐
4. Used a telescope (T)? If not, put an X. ☐
5. Used a boat (B)? If not, put an X. ☐

Comments: Notes from another sheet

SPECIES	
English Name abbrevtn (4 letters)	RAOU Atlas No.

1	<u>BLNH</u>	<u>055</u>
2	<u>Pttn</u>	<u>189</u>
3	<u>Gpuk</u>	<u>158</u>
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18		
19		
20		

Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HOY
--	--

...	<u>10</u>	<u>P</u>
...	<u>1</u>	<u>P</u>
...	<u>3</u>	<u>P</u>
...		
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BREEDING: Tick ✓ if these categories were observed...				
dd	DR	SN	e	yn

Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230
P.W. No.
1
Part
81
Sheet Ref.
37
Observer

Comb./Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer R. JAENSCH phone _____
Address _____

Wetland Nature Reserve name BENGER postcode _____

P.W.No. 230 Part No. 1

Date of Survey 06/12/1982 Start/Finish 10.50/15.00 Sheet 2 of 2
...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. H
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. X

Comments:

SPECIES

English Name abbrevn. (4 letters) RAOU Atlas No.

1 Malta 21.9

2 BwSt 1.4.6

3 _____

4 _____

5 _____

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7 _____

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Total number of birds recorded (last digit ↓)

T or P: Total or Partial Count. ↓ HO ✓

BREEDING: Tick ✓ if these categories were observed...

dd DR SN e yn

Use the Wetland Map on the back of this form to mark...

C/V

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1/1

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

82

Sheet Ref.

70

Observer

1/1

Comb/Spare

RETURN to Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer R. JAENSCH phone _____

Address _____

Wetland Nature Reserve name BENGER SWAMP postcode _____

P.W.No. 230 Part No. 1

Date of Survey 08/12/1981 Start/Finish 07.40 11.00 Sheet 1 of 1

eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. L
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. B

Comments: _____

SPECIES		Total number of birds recorded (last digit v)	Tor P: Total or Partial Count v HOW	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrev'n (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 <u>AusB</u>	<u>1.9.7</u>	<u>2</u>	<u>P</u>	<input checked="" type="checkbox"/>				
2 <u>LitB</u>	<u>1.9.5</u>	<u>1</u>	<u>P</u>					
3 <u>HhGb</u>	<u>0.6.2</u>	<u>30.0</u>	<u>P</u>					
4 <u>APel</u>	<u>1.0.6</u>	<u>15</u>	<u>P</u>					
5 <u>GtTE</u>	<u>1.8.7</u>	<u>4</u>	<u>P</u>					
6 <u>Swan</u>	<u>2.0.3</u>	<u>20</u>	<u>P</u>					
7 <u>Shel</u>	<u>2.0.7</u>	<u>150</u>	<u>P</u>					
8 <u>PaBD</u>	<u>2.0.8</u>	<u>200</u>	<u>P</u>					
9 <u>Gytr</u>	<u>2.1.1</u>	<u>230</u>	<u>P</u>					
10 <u>Shov</u>	<u>2.1.2</u>	<u>30</u>	<u>P</u>					
11 <u>Hard</u>	<u>2.1.5</u>	<u>20</u>	<u>P</u>					
12 <u>Matta</u>	<u>2.1.9</u>	<u>3</u>	<u>P</u>					
13 <u>PuSw</u>	<u>0.5.8</u>	<u>1</u>	<u>P</u>	<input checked="" type="checkbox"/>				
14 <u>LiBC</u>	<u>0.9.7</u>	<u>33</u>	<u>P</u>					
15 <u>LPic</u>	<u>1.0.0</u>	<u>32</u>	<u>P</u>					
16 <u>Pcthr</u>	<u>1.8.9</u>	<u>1</u>	<u>P</u>					
17 <u>Fred</u>	<u>2.1.4</u>	<u>13</u>	<u>P</u>					
18 <u>PeaD</u>	<u>2.1.3</u>	<u>2</u>	<u>P</u>					
19 _____								
20 _____								

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey.

3. any other relevant information.

OFFICE USE

230

P.W.No. 1

Part 34

Sheet Ref. 70

Observer 11

Comb. // Spare 11

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant section // check all data // print clearly.

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer R. JAENSCH phone _____
Address _____

Wetland Nature Reserve name BENGER SWAMP postcode _____
P.W.No. 230 Part No. 1

Date of Survey 07/12/1981 Start/Finish 19.00/21.00 Sheet 1 of 2

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. L
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

SPECIES

English Name
abbrev. (4 letters)
RAOU Atlas No.

Total number of birds recorded (last digit)

Tor P. Total or Partial Count
↓ HOV

BREEDING: Tick ✓ if these categories were observed...
dd DR SN e yn

1 AusB 197

... 4 P ✓

2 LitB 195

... 1 P ✓

3 HhGb 062

... 5.0 P

4 APL 106

... 5 P

5 Wfth 188

... 3.0 P

6 GrTE 187

... 2 P

7 RNth 192

... 1.5 P

8 SactI 179

... 4.0 P

9 SukI 180

... 2 P

10 Swan 203

... 1 P

11 Shel 207

... 5.0 P

12 PaBD 208

... 5.0 P

13 GyTR 211

... 1.00 P

14 Shov 212

... 1 P

15 Hard 215

... 2.0 P

16 BbID 216

... 1 P

17 MusD 217

... 1 P ✓

18 MalHa 219

... 2 P

19 Spck 051

... 2 P ✓

20 Auck 049

... 2 P ✓

Use the Wetland Map on the back of this form to mark...

C/V

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1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

85

Sheet Ref.

70

Observer

1/1

Comb./Spare

1/1

RETURN to

the

Field Officer:

(address is in

'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

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Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer R. JAENSCH phone _____
Address _____

Wetland Nature Reserve name BENGER SWAMP postcode _____
P.W.No. 230 Part No. 1

Date of Survey 07/12/1981 Start/Finish 19.00 21.00 Sheet 2 of 2

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. L
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

SPECIES

English Name abbrev'n (4 letters) RAOU Atlas No.

1 PuSn 058

2 Coot 059

3 Buft 146

4 Clew 524

5 Ligd 522

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Total number of birds recorded (last digit v)

T or P: Total or Partial Count

BREEDING: Tick ✓ if these categories were observed...

dd DR SN e yn

Use the Wetland Map on the back of this form to mark...

C/V

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1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey,

3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

362

Sheet Ref.

70

Observer

☐

Comb./Spare

RETURN to

the Field Officer:

(address is in

'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back r on attached sheets // complete all questions & relevant sections // check all data // print clearly.



FINAL

WATERBIRD USAGE

Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer (R. JAENSCH) phone _____
Address RACU Excursion

Wetland Nature Reserve name BENGER SWAMP postcode
P.W. No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 2
02.10.1982 10.00 17.00...eq. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. M
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. B

Comments: Fred feathers

SPECIES		Total number of birds recorded (last digit ↓)	Tor P. Total or Partial Count ↓	SEEDING: Tick ✓ if these categories were observed...
Name abbrev'n (4 letters)	RAOU Atlas No.			dd DR SN e yn
1 HhGb	0.6.2	...	2 P	
2 wigb	8.2.0	...	1.5 P	
3 APel	1.0.6	...	2 P	
4 LBlac	0.9.7	...	2 P	
5 LPiC	1.0.0	...	3.0 P	✓
6 WpHn	1.8.8	...	3 P	
7 GtTE	1.8.7	...	2 P	
8 SactI	1.7.9	...	5 P	
9 YbSl	1.8.2	...	1 P	
10 SukI	1.8.0	...	3.5 P	
11 Swan	2.0.3	...	1.00 P	
12 Shel	2.0.7	...	3.0 P	
13 PaBD	2.0.8	...	1.50 P	✓
14 GyTR	2.1.1	...	5.0 P	
15 Shov	2.1.2	...	3.0 P	
16 Hard	2.1.5	...	2.50 P	✓
17 MusD	2.1.7	...	2.0 P	✓
18 BbiD	2.1.6	...	3 P	
19 MatH	2.1.9	...	4 P	
20 Spck	0.5.1	...	1 P	

Use the
Wetland Map on
the back of
this form
to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey;
3. any other relevant information

OFFICE USE

230
P.W.No.

Part

Sheet Ref. 37

Observer

Comb. // Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back of attached sheets / complete all questions & relevant sections / check all data / print clearly.

RAOU

Royal Australasian
Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGEof
Wetland Nature Reservesvested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.Observer R. JAENSCH phone _____Address RAOU ExchWetland Nature Reserve name BENGER SWAMP postcode _____P.W.No. 230 Part No. 1Date of Survey 02/10/1982 Start/Finish 1.0.0/1.7.0 Sheet 2 of 2

eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. M
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. B

Comments:

SPECIES

English
Name
abbrevtn
(4 letters)RAOU
Atlas
No.Total
number
of birds
recorded
(last digit v)Tor P:
Total
Partial
Count
v HOYBREEDING:
Tick v if these
categories were
observed...

dd DR SN e yn

1 FuSh 0.582 P2 Coot 0.5930 P3 BwSt 1.461 P4 WooS 1.543 P5 CRew 5.241 P6 LiGd 5.222 P

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Use the
Wetland Map on
the back of
this form
to mark...

C/V

11111111111111111111111

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

88

Sheet Ref.

70

Observer

1

Comb./Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back - on attached sheets / complete all questions & relevant section. check all data / print clearly.

RAOU

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer (RAOU Excursion) phone _____
Address & R. Jaensch

Wetland Nature Reserve name BENGER postcode _____

P.W.No. 230 Part No. 1 (NE x E).

Date of Survey Start/Finish Sheet 1 of 1

03/01/1982 1,030/1,600...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. H
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. B

Comments:

SPECIES

English Name
abbrevtn.
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit)

T or P
Total
or Partial
Count
✓ HO✓

BREEDING:
Tick ✓ if these
categories were
observed...

ad DR SN e yn

1 LiGd 5,22

5 P

2 SpCK 0,5,1

20 P

3 PaBD 2,0,8

1 P

4 widk 8,3,8

1 P

5 GrtE 1,8,7

10 P

6 Wfth 1,8,8

20 P

7 Sact 1,7,9

1 P

8 DuMo 0,5,6

3 P

9 AusB 1,9,7

5 P ✓

10 BbiD 2,1,6

2 P

11 PuSw 0,5,8

5 P

12 BbaR 0,4,6

1 P ✓

13

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Use the
Wetland Map on
the back of
this form
to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

89

Sheet Ref.

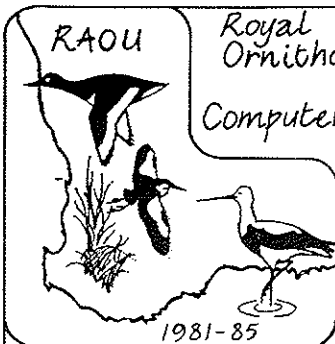
70

Observer

Comb./Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back on attached sheets / complete all questions & relevant sections / check all data / print clearly.



Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer R. JAENSCH phone _____

Address _____

Wetland Nature Reserve name BENGER postcode _____

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 2 of 2
13/1/1982 16/5/1982...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. L
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. X

Comments:

SPECIES	
English Name abbrevn. (4 letters)	RAOU Atlas No.

1 LiFd 532

2 LBIC 097

3 Augb 061

4 HLeb 062

5 hybd 821

6 APel 106

7 BbaR 046

8 _____

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Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HOV
---	--------------------------------------

_____ 2 P

_____ 2 P

_____ 1 P

_____ 2 P

_____ 1 P

_____ 6 P

_____ 2 P

BREEDING: Tick ✓ if these categories were observed...				
dd	DR	SN	e	yn

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

90

Sheet Ref.

70

Observer

///

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer R. JAENSCH phone _____

Address _____

Wetland Nature Reserve name BENGER postcode _____

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 2

13/1/1982 16.15/17.40 eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. L
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. X

Comments:

SPECIES		Total number of birds recorded (last digit)	Tor P. Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...				
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e	yn
1 CREW	5.2.4	2	P	✓				
2 Sact	1.7.9	4	P					
3 PuSn	0.5.8	1	P	✓				
4 MaHa	2.1.9	1	P					
5 Gylr	2.1.1	22.5	P					
6 Hard	3.1.5	15.00	P		✓			
7 PaBD	2.0.8	11.00	P					
8 Shov	2.1.2	20.0	P					
9 Wfth	1.8.8	8	P					
10 Spck	0.5.1	4	P	✓				
11 GtTE	1.8.7	5	P					
12 Shel	2.0.7	20.0	P					
13 Swan	2.0.3	30	P		✓			
14 LPIC	1.0.0	3	P					
15 Wood	1.5.4	8	P					
16 PuSD	2.1.7	2	P					
17 usgb	8.2.0	13	P					
18 Coot	0.5.9	2	P					
19 DuMo	0.5.6	1	P					
20 BbID	2.1.6	7	P					

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

91

Sheet Ref.

70

Observer

111

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant section // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer R. JAENSCH phone _____

Address _____

Wetland Nature Reserve name BENGER SWAMP postcode _____

P.W.No. 230 Part No. 1

Date of Survey 1.9.08 19.8.1 Start/Finish 10.5.0 14.1.5 Sheet 1 of 1

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. L
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. B

Comments:

SPECIES		Total number of birds recorded (last digit y)	T or P: Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...	C/V	Use the Wetland Map on the back of this form to mark...
English Name abbrev'n (4 letters)	RAOU Atlas No.			dd DR SN e yn		
1 Hard	21.5	... 74	P			1. approximate positions of any active nests found (SN, e, yn).
2 PaBD	20.8	... 23	P			2. the route of your survey;
3 Wngb	8.20	... 10	P			3. any other relevant information.
4 MuxD	21.7	... 8	P			
5 Swan	20.3	... 24	P	✓	✓	
6 Goot	0.5.9	... 3	P			
7 PuSn	0.5.8	... 2	P			
8 HhGb	0.6.2	... 2	P			
9 SacI	1.7.9	... 2	P			
10 LPiC	1.0.0	... 1	P			
11 Matla	21.9	... 6	P			
12 BbiD	21.6	... 75	P			
13 SpCk	0.5.1	... 1	P	✓		
14 LiEd	5.2.2	... 1	P	✓		
15 CleW	5.2.4	... 3	P			
16						
17						
18						
19						
20						

OFFICE USE

230 P.W.No.

1 Part

92 Sheet Ref.

70 Observer

Comb. // Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

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WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Roger Jaensch phone _____

Address _____

Wetland Nature Reserve name BENGER

P.W.No. 230 Part No. 1

Date of Survey 08/07/1981 Start/Finish 10.05/13.00 Sheet 1 of 2

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES		Total number of birds recorded (last digit v)	Tor P: Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...				C/V	Use the Wetland Map on the back of this form to mark...
English Name abbrevn (4 letters)	RAOU Atlas No.			dd	DR	SN	e		
1	Hard	215	85 P						1. approximate positions of any active nests found (SN, e, yn).
2	SacI	179	5 P						2. the route of your survey,
3	MusD	217	35 P						3. any other relevant information.
4	Augb	061	60 P						
5	PaBD	208	310 P						
6	Swan	203	69 P			✓			
7	Wfltn	188	8 P						
8	Matla	219	4 P						
9	Spck	051	9 P	✓					
10	Ligd	522	1 P						
11	ChelW	524	2 P						
12	Coot	059	6 P						
13	Shov	212	113 P						
14	BbiD	216	43 P						
15	Gytl	211	15 P						
16	Glot	178	1 P						
17	Bwst	146	4 P						
18	GME	187	1 P						
19	LPic	100	1 P						
20	Shel	207	2 P						

OFFICE USE

230

P.W.No.

1

Part

93

Sheet Ref.

70

Observer

1/1

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

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Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer

Roger Jaensch

phone

Address

Wetland Nature
Reserve name

BENDER

postcode

P.W.No.

Part No.

Date of Survey

Start/Finish

Sheet 2 of 2

08/07/1981

10.05/13.00

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES

English
Name
abbrevi.
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit v)

Tor P:
Total
or Partial
Count
Count
v HOW

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 SWKI 180

2 P

2 SIGI 125

200 P

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Use the
Wetland Map on
the back of
this form
to mark...

C/V

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1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

94

Sheet Ref.

70

Observer

111

Comb./Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer R. JAENSCH phone _____

Address _____

Wetland Nature Reserve name BENGER SWAMP postcode _____

P.W.No. 230 Part No. 1

Date of Survey 03.10.1981 Start/Finish 10.30/12.00 Sheet 1 of 1

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. X

Comments:

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count ↓ HO✓	BREEDING: Tick ✓ if these categories were observed...			
English Name abbrevn (4 letters)	RAOU Atlas No.			dd	DR	SN	e yn
1 HhGb	062	...	1 P				
2 LpIC	100	...	2 P				
3 GreC	096	...	2 P				
4 Dart	101	...	2 P				
5 APel	106	...	15 P				
6 WfHn	188	...	2 P				
7 GreE	187	...	3 P				
8 SacI	179	...	6 P				
9 SskI	180	...	20 P				
10 Swan	203	...	50 P		✓		
11 PaBD	208	...	8 P				
12 Shov	212	...	3 P				
13 Hard	215	...	70 P				
14 BbrD	216	...	30 P				
15 MusD	217	...	1 P				
16 GylE	211	...	1 P				
17 Shel	207	...	20 P				
18 MatH	219	...	3 P				
19 ClwW	524	...	1 P				
20 Coot	059	...	1 P				

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

95
Sheet Ref.

70

Observer

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer R. JAENSCH phone _____

Address _____

Wetland Nature Reserve name BENGER SWAMP postcode _____

P.W.No. 230 Part No. 1

Date of Survey 01.01.1982 Start/Finish 15.00 19.00 Sheet 1 of _____

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. T
5. Used a boat (B)? If not, put an X. X

Comments:

No. * (CHECK not sent in by E. Sedgwick already)

SPECIES		Total number of birds recorded (last digit)	T or P: Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...
English Name abbrev'n (4 letters)	RAOU Atlas No.			dd DR SN e yn
1 Gnte	18.7	...10	P	
2 Wfthn	18.8	...60	P	
3 SacP	17.9	...30	P	
4 Gank	15.8	...38	P	
5 Shel	20.7	...200	P	
6 BfOP	14.4	...10	P	
7 LiGd	5.22	...5	P	
8 PaBD	20.8	...100	P	
9 Matla	21.9	...1	P	
10 ShbS	16.3	...70	P	
11 Apel	10.6	...30	P	
12 LPiC	10.0	...5	P	
13 Pcthu	18.9	...1	P	
14 SnkL	18.0	...5	P	
15 Ybse	18.2	...1	P	
16 Swan	20.3	...20	P	
17 Shov	21.2	...200	P	
18 GyTR	21.1	...500	P	
19 Pead	21.3	...4	P	
20 Hard	21.5	...2	P	

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

96

Sheet Ref.

70

Observer

111

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on bac' or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.Observer R. JAENSCH phone _____

Address _____

postcode _____

Wetland Nature Reserve name BENGER SWAMPP.W. No. 230 Part No. 1

Date of Survey _____ Start/Finish _____ Sheet _____ of _____

01/01/1982 15.00/19.00 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ T
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES

English Name
abbreviated
(4 letters)RAOU
Atlas
No.Total
number
of birds
recorded
(last digit)T or P:
Total
or Partial
Count
✓ HO ✓BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 MusD 2.1.7

... 3 P

2 AuCK 0.4.9

... 5 P

3 PaSa 0.5.8

... 5 P

4 PeaS 9.7.8

... 1 P

5 BwSt 1.4.6

... 10 P

6

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Use the
Wetland Map on
the back of
this form
to mark...

C/V

☐☐☐☐☒☒☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐1. approximate
positions of
any active
nests found
(SN, e, yn).2. the route
of your
survey.3. any other
relevant
information.

OFFICE USE

230

P.W. No.

1

Part

97

Sheet Ref.

70

Observer

1111

Comb./Spare

1111

RETURN to

the

Field Officer:

(address is in

'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put
extra comments on bac' or on attached sheets // complete all ques-
tions & relevant sections // check all data // print clearly.

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WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 097291371
Address 20 HERBERT RD, HARVEY.

Wetland Nature Reserve name BENGER SWAMP.
P.W.No. 230 Part No. 1

Date of Survey 12.1.1982 Start/Finish 0700/1020 Sheet 1 of 2
eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: As before, only birds on or by open water were counted - others could well have been present in reed beds. Total count (T) is subject to this condition.

Reed Warblers & Grassbirds were estimated as before - two to each singing point.

(should be 1 with sheet 9)

SPECIES
English Name
abbrevn. (4 letters)

RAOU Atlas No.

Total number of birds recorded (last digit ↓)

T or P: Total or Partial Count ↓ HOV

BREEDING: Tick ✓ if these categories were observed...
dd DR SN e yn

1 HhGb 0,6,2

... 18 T

2 Apel 1,0,6

... 3,1 T

3 LibC 0,9,7

... 1,0 T

4 LpiC 1,0,0

... 5,3 T

5 PchN 1,8,9

... 1 T

6 WSHn 1,8,8

... 2,9 T

7 GtE 1,8,7

... 1,6 T

8 RNhn 1,9,2

... 2 T

9 AusB 1,9,7

... 2 T ✓

10 SaeI 1,7,9

... 1,5 T

11 Swan 2,0,3

... 1,1,3 T

✓

12 Shel 2,0,7

... 3,5 T

13 PaBD 2,0,8

... 1,1,5 T

14 GtTl 2,1,1

... 2,6 T

15 Shov 2,1,2

... 4 T

16 Hard 2,1,5

... 1,8,9 T

✓

17 BbiD 2,1,6

... 1,5 T

18 MusD 2,1,7

... 3,0 T

19 MaHa 2,1,9

... 4 T

20 PuSn 0,5,8

... 6 P.

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

98

Sheet Ref.

37

Observer

Comb/Spare

RETURN to

69 Lanark

St. Coolbinia,

WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on bac or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

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WATERBIRD USAGE

of
Wetland Nature Reserves
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Western Australian Wildlife
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South-West & Eucla Divisions.

Observer Doug W phone _____

Address _____ postcode _____

Wetland Nature Reserve name Benger

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1
23051985 10001500...eg. 100pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? D
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

Dry still.

wfh feeding in grass.

gze, pbd, in drain.

SPECIES		Total number of birds recorded (last digit)	T or P Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...			
English Name abbrevtn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e yn
1 wfh	1,8,8	25	P				
2 gze	1,8,7	2	P				
3 hui	1,7,9	1	P				
4 pbd	0,5,8	2	P				
5 lpc	1,0,0	1	P				
6 pch	1,8,9	5	P				
7 pbd	2,0,8	10	P				
8							
9							
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Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

99

Sheet Ref.

94

Observer

Comb./Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

RAOU

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Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Joey Walker phone _____

Address _____ postcode _____

Wetland Nature Reserve name Benger Swamp

P.W.No. 230 Part No. _____

Date of Survey _____ Start/Finish _____ Sheet 1 of 1

3,0,1,1,19,8,4 0,8,0,0,0,9,3,0...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ L
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

very approx, under estimates

SPECIES

English Name abbrev'd (4 letters)	RAOU Atlas No.
---	-------------------

1 BTNH	0,5,5
--------	-------

2 APL	1,0,6
-------	-------

3 shel	2,0,7
--------	-------

4 P.BD	2,0,8
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5	
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20	
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Total
number
of birds
recorded
(last digit)

T or P
Total
or Part
Count
↓ HOV

BREEDING:
Tick ✓ if these
categories were
observed...

dd	DR	SN	e	yn
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Use the
Wetland Map on
the back of
this form
to mark...

C/V

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1. approximate
positions of
any active
nests found
(SN,e,yn).

2. the route
of your
survey,

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

1,00

Sheet Ref.

9,4

Observer

Comb/Spare

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put
extra comments on back " on attached sheets / complete all ques-
tions & relevant section / check all data / print clearly.

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Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Doug Watkins phone _____

Address _____

Wetland Nature Reserve name Benger Swamp

P.W.No. 230 Part No. _____

Date of Survey Start/Finish Sheet 1 of 1

1,7,0,1,1,9,8,5 1,2,0,0,1,5,0,0...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ L
4. Used a telescope (T)? If not, put an X. ☒ T
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES

English Name
abbrevia.
(4 letters)

RAOU
Atlas
No.

Total
number
of birds
recorded
(last digit)

T or P
Total
or Partial
Count
Count

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 swan 2,0,3

1,1,0 P

2 whtn 1,8,8

4,0,0 P

3 yb-ef 1,8,2

7 P

4 fnt E 1,8,7

5 P

5 sec I 1,7,9

1,0,0 P

6 sta I 1,8,0

3,0 P

7 shel 2,0,7

5,0 P

8 PaBD 2,0,8

5,0 P

9 gy 2l 2,1,1

5,0 P

10 PuSn 0,5,8

2,5 P

11 MaHa 2,1,9

1 P

12

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Use the
Wetland Map on
the back of
this form
to mark...

1. approximate positions of any active nests found (SN,e,yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

1,0,1

Sheet Ref.

9,4

Observer

Comb./Spare

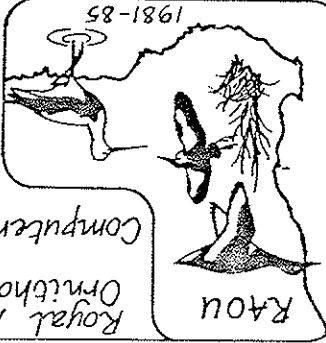
RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

Computer Form for use in the Survey of

WATERBIRD USAGE

Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.



Observer Joey Watkins phone _____
Address _____
Wetland Nature Reserve name Benger Swamp postcode _____
R.M. No. 230 Part No. _____

Date of Survey _____
Sheet 1 of 1 Start/Finish _____
1.2.0.0 1.9.8.5
1.2.0.0 1.3.0.0 eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ T
5. Used a boat (B)? If not, put an X. ☒ B

Comments:

w/He - ++

some water in NE

SPECIES	English Name	RAOU Atlas No.	English abbrev. (4 letters)
1 yr st	1.8.2	1.0 p	1.8 p
2 yr st	1.8.7	1.0 p	1.8 p
3 yr st	2.0.3	1.0 p	1.8 p
4 yr st	1.8.8	1.0 p	1.8 p
5 yr st	1.8.0	1.0 p	1.8 p
6 yr st	1.7.9	1.0 p	1.8 p

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yr).

2. the route of your survey.

3. any other relevant information

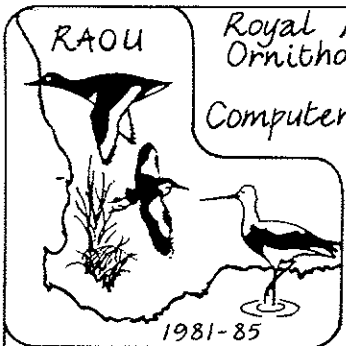
OFFICE USE

R.M. No. 230 Part 1 Sheet Ref. 102 Observer 94 Comb/Spare 1

RETURN to Field Officer: (address is in W.A. Bird Notes)

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant section / check all data / print clearly.

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.



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Observer Eric H. SEDGWICK phone 097291311

Address 20 HERBERT ROAD, HARVEY.

Wetland Nature Reserve name BENGER SWAMP. postcode 6220

P.W.No. 230 Part No. 1

Date of Survey 03/11/1986 Start/Finish 08.15/09.45 Sheet 1 of 1
...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

Rather poor observing conditions - weather deteriorated rapidly: light W wind becoming moderate N wind with misty rain & complete cloud cover. Visibility fair to poor making identifications difficult & conditions possibly sending birds to cover. Numbers counted seemed absurdly low for time of year. As usual only birds on open water were counted & calling stations of Reed Warblers & Grassbirds - the former seeming more vocal than usual.

English Name abbrevia. (4 letters)	RAOU Atlas No.
------------------------------------	----------------

1 Uigh	820
2 APel	106
3 LPie	100
4 WSHa	188
5 GrtE	187
6 SacI	179
7 Swan	203
8 Shcl	208
9 Shov	212
10 Hrd	215
11 MusD	217
12 PuSn	058
13 CRew	524
14 LiGrd	522
15 P ₂ BD	208
16 GtTL	211
17	
18	
19	
20	

Total number of birds recorded (last digit ↓)	T or P: Total Partial Count ↓
---	-------------------------------

1	1	T
2	3	T
3	1	T
4	1	T
5	3	T
6	2	T
7	1	T
8	8	T
9	2	T
10	7	T
11	7	P
12	1	P
13	3	P
14	8	P
15	1	T
16	1	T
17		
18		
19		
20		

BREEDING: Tick ✓ if these categories were observed...
dd DR SN e yn

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey;
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

104

Sheet Ref.

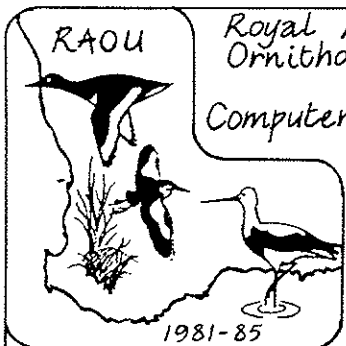
37

Observer

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.



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Observer Eric H. SEDGWICK phone 097291531

Address 20 Herbert Rd. HARVEY

postcode 6220

Wetland Nature Reserve name BENDER SWAMP

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1

15.09.1986 08.15 10.15 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Pelican: Usually this species does not appear until the second half of October.
Since 1966, late Sept. appearances have been recorded only in 1978 (one bird) & in 1979 (two birds).
Black Swan: Total made up of 16g Adults & 69 cygnets - exact count not always possible.
Grey Teal: Bird seen in flight. Identification not certain, but probable.
Reed Warbler & Grassbird: Apparently confined to relatively restricted disturbed types.
Water level: Very low for time of year - species a individual numbers too.

SPECIES
English Name abbrevn. (4 letters)
RAOU Atlas No.

1 APol 1.06

2 LPic 1.00

3 Scul 1.79

4 Swam 2.03

5 PABD 2.08

6 GYL 2.11

7 Harb 2.15

8 MusD 2.17

9 MaHa 2.19

10 Pusn 058

11 CRW 5.24

12 LiGa 5.22

13

14

15

16

17

18

19

20

Total number of birds recorded (last digit)
Tor P: partial Count
X
Hov

1 P

5 P

4 P

250 P

32 P

1 P

30 P

13 P

2 P

7 P

16 P 1

2 P 1

BREEDING:
Tick ✓ if these categories were observed...
dd DR SN e yn

✓ ✓

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

105

Sheet Ref.

37

Observer

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

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Observer Eric H. SEDGWICK phone 241371
Address 20 Herbert Road HARVEY

Wetland Nature Reserve name BENGER SWAMP.
P.W.No. 230 Part No. 1

Date of Survey 17.07.1987 Start/Finish 08.00 09.40 Sheet 1 of 1
...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments: Black Swan: Count probably incomplete - suspect birds in Typha. Courtship behaviour notes and possibly nest construction has commenced.

Black Duck: Most ducks seen at a distance - hard to identify positively. Black Duck were certainly dominant and birds so identified were probably of that species.

Coot: Distinct, but almost certainly correctly identified.

* Harrier: Three sightings - possibly B. present.

* Egret: One seen by channel c. 50m E. of bridge.

* Pink. Shelduck: One in paddock adjacent to Egret.

Crossbills: Calling in at least six areas. Seen & heard giving support to my doubtful record of 30 June.

Swamphearts: More conspicuous than usual - feeding on mudflats adjacent to Typha. Little water in Swamp Bed time of year.

* Not included in count.

SPECIES

English Name
RAOU Atlas
abbrevn. No.
(4 letters)

Total number
of birds
recorded
(last digit)

or P:
Total
or Partial
Count
Count
↓ HOV

BREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 WEHn 1,8,8

7 P

2 Swn 2,0,3

13,8 P

3 PBD 2,0,8

5,9 P

4 GuTL 2,1,1

1,0 P

5 Shov 2,1,2

1 P

6 Msh 2,1,9

2 P

7 Psh 0,5,8

1,6 P

8 Coot 0,5,9

9 P

9 LiGd. 5,2,2

1,2 P

10

11

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19

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Use the
Wetland Map on
the back of
this form
to mark...

C/V

1. approximate
positions of
any active
nests found
(SN,e,yn).

2. the route
of your
survey.

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

1,0,6

Sheet Ref.

37

Observer

Comb./Spare

RETURN to
69 Lanark
St, Coolbinia,
WA, 6050.

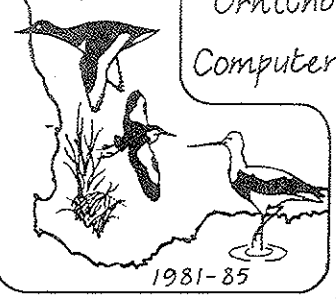
Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

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WATERBIRD USAGE

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South-West & Eucla Divisions.



1981-85

Observer Eric H. SEDGWICK phone 097291571
Address 20 HERBERT ROAD, HARVEY

postcode 6220
Wetland Nature Reserve name BENGER SWAMP

P.W.No. 230 Part No. 1

Date of Survey 03/12/95 Start/Finish 0700-0900 Sheet 1 of 2

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L); medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments: I found that this count was not a good one - similar to Benger. Waterbird numbers were high and the birds were restless, hence the larger totals - 200 or more - were random estimates plus birds actually counted. I suspect that the 'check back' (guess-timated) probably included 'stopovers' e.g. Moorhens or Scaup; some of the birds were seen at a distance. I got out there looking on the main 14-8 drain for 1 hour and 15 mins to do so. That is where they were feeding, but some later in the season. I did not find a 'true' 'breeding' site. I did find a 'true' 'breeding' site. I did find a 'true' 'breeding' site.

SPECIES		Total number of birds recorded (last digit)	Tor P: Ti or Partial Count	BREEDING: Tick ✓ if these categories were observed...				C/V	Use the Wetland Map on the back of this form to mark...
English Name abbrevtn (4 letters)	RAOU Atlas No.			dd	DR	SN	e		
1 Lbc	0.9.7	6	T						1. approximate positions of any active nests found (SN, e, yn).
2 Lbc	1.0.0	5	T						2. the route of your survey.
3 Apal	1.0.6	7	T						3. any other relevant information.
4 Pch	1.8.9	9	T						
5 Wch	1.8.8	8	T						
6 GtE	1.8.7	1	T						
7 GtE	9.7.7	1	T						
8 Scl	1.7.9	1	T						
9 Scl	1.8.0	3	T						
10 YbSL	1.8.2	5	T						
11 Swan	2.0.8	9	T						
12 Shd	2.0.7	2	T						
13 PBD	2.0.8	6	T						
14 GtT	2.1.1	5	T						
15 Shov	2.1.2	2	T						
16 PexD	2.1.3	2	T						
17 Hnd	2.1.5	4	T						
18 MusD	2.1.7	2	T						
19 Malt	2.1.9	2	T						
20 Coot	0.9.9	2	T						

OFFICE USE

P.W.No. 230

Part 1

Sheet Ref. 1.0.7

Observer 3.7

Comb/Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

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1981-85

Observer Eric A. Selwyn phone _____

Address _____

Wetland Nature Reserve name Wentworth Swans

P.W.No. 227 Part No. 1

Date of Survey 10.12.88 Start/Finish 1.00pm Sheet 2 of 2

10.12.88 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☐
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☐
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☐
4. Used a telescope (T)? If not, put an X. ☐
5. Used a boat (B)? If not, put an X. ☐

Comments: were standing close by, providing a "perch" for the birds. They looked quite different to the ones I saw at the other end of the lake - more like a "goosander". In fact, I consider identification very difficult, but not completely impossible.

While following 3 goosanders, one began swimming. It was a male with a blue diving overhead. I saw it together with 20" high in the same area.

While following 3 goosanders, I noted a single adult quill feather in the water, but saw no birds.

While following 3 goosanders, I think it is the longest time that I have ever spent at Wentworth - 20" high in the same area.

SPECIES		Total number of birds recorded (last digit)	T or P: T = 1 or Partial Count	BREEDING: Tick ✓ if these categories were observed...			
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e yn
1 BLoP	1144	2	T				
2 BwSt	1146	65	T				
3 CroW	5214	44	T ✓				
4 LiGr	5227	56	T ✓				
5 U.S.G	820	50	T				
6							
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19							
20							

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No. 1

Part 108

Sheet Ref. 37

Observer Eric A. Selwyn

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU Royal Australasian Ornithologists Union NAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eric H. SEDGWICK phone 097241371

Address 20 HERBERT ROAD, HARVEY, postcode 6220

Wetland Nature Reserve name BENGER SWAMP

P.W.No. 230 Part No. 1

Date of Survey 02.01.1986 Start/Finish 07.15 08.50 Sheet 1 of 1

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Night Heron: Record is based on dead individual lying on a road. Immature. Agartridge case - 12 bones, was nearly - 1300mm but this was not necessarily significant - could have been a road kill. Bird had been dead two or three days, probably.

Spoonbills: Had 10 in view simultaneously & shortly afterwards 5. Later I encountered a loose group of 25. ~~They~~ ^{There} may have been duplication, but I saw none in flight and consider at least 42 probable.

Ducks: Most were concentrated on the N.E pool. - at a rough estimate 1000 - 1500 birds. [OVER]

SPECIES		Total number of birds recorded (last digit ↓)	T or P: T. 1 or Partial Count ↓	BREEDING: Tick ✓ if these categories were observed...
English Name abbrev'n. (4 letters)	RAOU Atlas No.			dd DR SN e yn
1 ARB	106	... 28 T		
2 LBC	097	... 1 T		
3 PCH	189	... 26 T		
4 WEL	188	... 105 T		
5 GTE	187	... 9 T		
6 BKH	192	... 1 T		
7 SAC	179	... 25 T		
8 SAI	180	... 35 T		
9 VBS	182	... 42 T		
10 SWM	203	... 47 T		
11 SHL	207	... 50 T		
12 PBD	208	... 230 T		
13 GYL	211	... 900 T		
14 SHV	212	... 14 P		
15 MZL	219	... 2 T		
16 PUS	058	... 25 P		
17 BWS	146	... 150 T		
18 GRK	158	... 50 T		
19 CRW	524	... 4 P		
20 LIG	522	... 4 P		

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey,

3. any other relevant information.

OFFICE USE

230

P.W.No. 1

Part 109

Sheet Ref. 37

Observer

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

Duck (cont.): Identification impracticable. Green Teal present. This was confirmed when a 'dread' occurred. 15 - 20% of the birds in flight appeared to be Pac. Black Duck. Fourteen Shoveler debarked themselves & were counted. Almost certainly no herringhead. The Shelduck & Swans did not panic.

Purple Swamphen: More were seen than I would have expected - at 3-4 hrs after first light, however. Open moist areas were extensive and would prove an attraction.

Stilt: - were all on the N.E. pool in two large groups - estimate 50 and 100 (which is probably conservative)

Grassbird & Red Warbler: Little vocal activity, I thought. This may be ~~seasonable~~ seasonal - my figures are probably ridiculously low.

Aracet & Glossy Ibis. Not recorded, but both were present on 17 Dec. - three & one respectively. I encountered Doug Watkins while viewing the former, but forgot to mention the ibis. I had all three species of ibis comfortably within the field of my binoculars - with Pacific Heron & Y.b. Spoonbill for good measure! On at least one previous occasion at Bengier I have had the three ibis species within the field of my binoculars.

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Computer Form for use in the Survey of

WATERBIRD USAGE

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Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 097291371.Address 20 Herbert Road, Harvey.postcode 6220.Wetland Nature Reserve name BENGER SWAMP.P.W.No. 230 Part No. 1Date of Survey 30.06.1987 Start/Finish 10.10.11.05 Sheet 1 of 1

eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ A
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments: A few shallow pools only - in low-lying areas.

I thought I heard a Grassbird & saw what might have been a Grassbird.

(I visited the Swamp earlier in the month, but found it dry. No water birds were recorded).

SPECIES

English Name abbrev'd (4 letters)	RAOU Atlas No.
---	-------------------

1 Swan 20,3

2 Malt 21,9

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Total number of birds recorded (last digit ↓)

or P: Total or Partial Count ↓ HOW

1 1 1 1 1

1 P

BREEDING:
Tick ✓ if these categories were observed...

dd DR SN e yn

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey,

3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

110

Sheet Ref.

37

Observer

Comb/Spare

RETURN to
69 Lanark
St, Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

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Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eric H. SEDGWICK phone 097291371

Address 20 Herbert Rd, HARVEY. postcode 6220.

Wetland Nature Reserve name BENGER SWAMP.

P.W.No. 230 Part No. 1

Date of Survey 08/01/1987 Start/Finish 08.05 08.45 Sheet 1 of 1

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ M
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☐ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments: There may have been a little shallow water, but virtually all birds were standing — hence 'M', above.

My attention was concentrated on the moist areas — birds in dried out areas may have been overlooked — these would most likely have been W.E. Heron.

SPECIES		Total number of birds recorded (last digit)	T or P: Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...	C/V	Use the Wetland Map on the back of this form to mark...
English Name abbrev'n (4 letters)	RAOU Atlas No.			dd DR SN e yn		
1 WEHn	188	38	P			1. approximate positions of any active nests found (SN, e, yn).
2 Soc1	179	12	T			2. the route of your survey,
3 Snk1	180	11	T			3. any other relevant information.
4 YbSL	182	1	T			
5 Swan	203	34	T			
6 Shel	207	3	T			
7 PaBD	208	20	T			
8 MxHn	219	2	T			
9 VuSn	058	9	P			
10 BuSt	146	12	T			
11 Gank	158	15	T			
12 CooW.	524	6	P			
13						
14						
15						
16						
17						
18						
19						
20						

OFFICE USE

230

P.W.No. 1

Part 1

Sheet Ref. 37

Observer

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

RAOU

Royal Australasian
Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 017241371

Address 20 Herbert Road, HARVEY.

postcode 6120

Wetland Nature Reserve name BENDER SWAMP.

P.W.No. 230 Part No. 1

Date of Survey 21.08.1987 Start/Finish 08.00 10.00 Sheet 1 of 1

eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W.
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). N
3. Intensity of nest searches: no searches (X); low (L); medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

Pacific Heron } Seen or extreme range, so slightly
Spoonbill } doubtful.

Swan 129 Adults 30 Caperch (3,5,3,5,4,6,6)
- all smallish.

Marsh Harrier. Five sightings - two of two birds.

Swamp level still very low

SPECIES

English Name abbrevtn (4 letters)	RAOU Atlas No.
---	-------------------

1 APe1 1,0,6

2 LP:c 1,0,0

3 PchN 1,8,8

4 WEHn 1,8,8

5 SacL 1,7,8

6 YbSb 1,8,2

7 Sum 2,0,3

8 Shel 2,0,7

9 PbBD 2,0,8

10 GnTL 2,1,1

11 MudD 2,1,7

12 Mulla 2,1,8

13 PuSn 0,5,8

14 WooS 1,5,4

15 CRoW 3,2,4

16 LiCd 5,2,2

17

18

19

20

Total number of birds recorded (last digit) 1 7

4 P

1 P

4 P

8 P

1 P

1 P

1 P

1 P

1 P

2 P

2 P

2 P

3 P

1 P

2 P NO

2 P NO

BREEDING:
Tick ✓ if these categories were observed...

dd DR SN e yn

Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey,

3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

1,1,2

Sheet Ref.

37

Observer

Comb./Spare

RETURN to
69 Lanark
St, Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer R.J. et al. phone _____

Address _____

Wetland Nature Reserve name BENGER SWAMP postcode _____

P.W.No. 230 Part No. 1

Date of Survey Start/Finish Sheet 1 of 2

02.11.1985 09.30.16.00...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. M
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments:

Deleted Duplicates 124.5

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...	C/V	1. approximate positions of any active nests found (SN, e, yn).	2. the route of your survey.	3. any other relevant information.
English Name abbrevn (4 letters)	RAOU Atlas No.			dd DR SN e yn				
1	Hard	2.15	8.00					
2	Gytl	2.11	3.10					
3	Shel	2.07	3.00					
4	PaBD	2.08	3.10					
5	APel	1.06	7.0					
6	Swan	2.03	8.0					
7	PeaD	2.13	3.3					
8	Shov	2.12	1.0					
9	MusD	2.17	5					
10	HuGb	0.62	1.0					
11	LPic	1.00	1.00	✓		✓		
12	Pctn	1.89	2					
13	BwSt	1.46	1.2					
14	ShLS	1.63	4					
15	GtTE	1.87	1					
16	CRew	5.24	1.2					
17	PuSn	0.58	2					
18	Coot	0.59	3.6					
19	SacI	1.79	2.7					
20	BbID	2.16	5					

OFFICE USE

230 P.W.No.

1 Part

1.13 Sheet Ref

70 Observer

111 Comb/Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

RAOU Royal Australasian Ornithologists Union

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves

vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer RJ et al. phone _____

Address _____

Wetland Nature Reserve name BENGER SWAMP postcode _____

P.W.No. 230 Part No. 1

Date of Survey 02.11.1985 Start/Finish 09.30 16.00 Sheet 2 of 2

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L); medium (M) or high (H) intensity. ☒ M
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

Deleted - Duplicates 124-5

SPECIES		Total number of birds recorded (last digit)	T or P: Total Partial Count	BREEDING: Tick ✓ if these categories were observed...				C/V	Use the Wetland Map on the back of this form to mark...
English Name abbrevn (4 letters)	RAOU Atlas No.			dd	DR	SN	e		
1 Malta	21.9	3							
2 GloI	1.7.8	1							
3 FreD	21.4	1							
4 RNHw	1.9.2	10							
5 Spck	0.5.1	1							
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

OFFICE USE

230

P.W.No.

1

Part

114

Sheet Ref.

70

Observer

11

Comb / Spare

RETURN to

the Field Officer:

(address is in

'W.A. Bird Notes')

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Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eric Sedgwick phone _____

Address _____

Wetland Nature Reserve name Benger Swamp postcode _____

P.W.No. _____ Part No. _____

Date of Survey _____ Start/Finish _____ Sheet _____ of _____

24 11 1986 ...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☐
4. Used a telescope (T)? If not, put an X. ☐
5. Used a boat (B)? If not, put an X. ☐

Comments:

SPECIES		Total number of birds recorded (last digit)	Total Partial Count	BREEDING: Tick ✓ if these categories were observed...	Use the Wetland Map on the back of this form to mark...
English Name abbrevn (4 letters)	RAOU Atlas No.			dd DR SN e yn	C/V
1 <u>Apel</u>	<u>1.06</u>	<u>60</u>			
2 <u>LPIC</u>	<u>1.00</u>	<u>1</u>			
3 <u>WpHn</u>	<u>1.83</u>	<u>1</u>			
4 <u>GrEE</u>	<u>1.87</u>	<u>1</u>			
5 <u>SacI</u>	<u>1.79</u>	<u>18</u>			
6 <u>Swan</u>	<u>2.03</u>	<u>1</u>			✓
7 <u>Shel</u>	<u>2.07</u>	<u>1</u>			
8 <u>PaBP</u>	<u>2.08</u>	<u>1</u>			
9 <u>GyTl</u>	<u>2.11</u>	<u>1</u>			
10 <u>Shov</u>	<u>2.12</u>	<u>5</u>			
11 <u>Hand</u>	<u>2.15</u>	<u>1</u>			
12 <u>Matla</u>	<u>2.19</u>	<u>1</u>			
13 <u>BwSE</u>	<u>1.46</u>	<u>1</u>			
14 <u>GrEW</u>	<u>5.24</u>	<u>1</u>			
15 <u>LiGd</u>	<u>5.22</u>	<u>1</u>			
16 <u>Hwep</u>	<u>8.62</u>	<u>3</u>			
17 <u>YbSI</u>	<u>1.82</u>	<u>5</u>			
18 <u>MusD</u>	<u>2.17</u>	<u>1</u>			
19 <u>BbD</u>	<u>2.16</u>	<u>1</u>			
20					

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No. _____

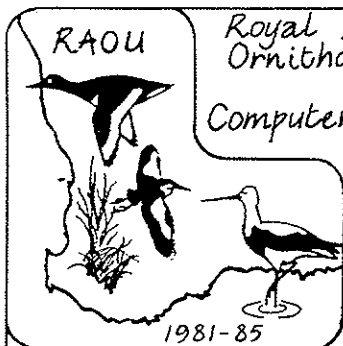
Part _____

Sheet Ref 1.15

Observer 37

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')



Royal Australasian
Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric H. SEDGWICK phone 091291371
Address 20 HERBERT ROAD, HARVEY

Wetland Nature Reserve name BENGER SWAMP
P.W. No. 230 Part No. 1

Date of Survey 01/12/1986 Start/Finish 0750 0850 Sheet 1 of 1
...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X); low (L); medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: A difficult count. Birds sparse on southern & north-eastern pools and abundant on the partly overgrown north western area. Reed Warblers & Grassbirds now seem widely distributed, Typha in burned areas (& unburned areas) now c 2 m high & in flower.

I have attached a note summarizing a 'round' I made on 24 Nov. '86 covering the same area. There is a general agreement. I noted numbers of only a few species. The figure for Pelican would be nearly correct - 524 plus or minus 3 birds. Today's figure could be less accurate - one mass very closely grouped. (OVER)

SPECIES
English Name
abbrevn.
(4 letters)

RAOU Atlas
No.

Total number of birds recorded (last digit)

T or P: tal, artial Count
↓ HO

BREEDING:
Tick ✓ if these categories were observed...

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey;
3. any other relevant information.

OFFICE USE

230

P.W. No.

1

Part

116

Sheet Ref.

37

Observer

Comb/Spare

RETURN to the Field Officer:
(address is in 'W.A. Bird Notes')

1 APel 106

29

2 LPic 100

18

3 WEHn 888

9

4 GtTE 187

12

5 SaeI 179

19

6 SWan 203

62

7 Shel 207

835

8 PaBD 208

420

9 GyTE 211

195

10 Shov 212

2

11 Hard 215

2

12 Matz 219

2

13 BWSt 146

7

14 CREW 524

24

15 LiCd 522

14

16 uigb 820

1

17

18

19

20

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

Previous experience suggests that any Mute Duck would be in the channels - ? deeper water. - which are rather overgrown at present. None seen today: a few visible last week. Diving ducks tend to disappear from Benzer Swamp in December.

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Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.Observer Eric H. SEDGWICK phone 097291371Address 20 HERBERT ROAD, HARVEY.postcode 6220Wetland Nature Reserve name BENGER SWAMP.P.W.No. 230 Part No. 1Date of Survey 24 08 1987 Start/Finish 08.20 10.15 Sheet 1 of 1

eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments: Observing conditions poor. Persistent light rain. Light wind. Poor light - optical aid of little assistance.

Cormorant: Probably Little Pied - two, separately, in flight, at distance.

Swan: Birds on open water counted - probably accurately. Possibly as many breeding?

Shelduck: Two adults with 11 small (probably downy) young. Seven others in flight.

Musk Duck: None seen. Heard in two places.

Gloss Ibis
Lesser Whistling } Heard only - 7 and 2 respectively
OVER.

SPECIES

English Name
abbrevn.
(4 letters)RAOU Atlas
No.Total number
of birds
recorded
(last digit)or Partial
Count
↓ HOBREEDING:
Tick ✓ if these
categories were
observed...

dd DR SN e yn

1 UICO 8.43

... 2 P

2 Wlitn 1.88

... 2 P

3 Grt E 1.87

... 1 P

4 Swan 2.03

... 1, 1, 1 P

5 Shel 2.07

... 2, 0 P

6 Pa.B.D 2.08

... 2 P

7 Mus.D 2.17

... 2 P ✓

8 Pusn 0.58

... 2 P

9 CRW 5.24

... 4 P ✓

10 LiGd. 5.22

... 1, 4 ✓

11

12

13

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Use the
Wetland Map on
the back of
this form
to mark...

C/V

111

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111

1. approximate
positions of
any active
nests found
(SN, e, yn).

2. the route
of your
survey;

3. any other
relevant
information.

OFFICE USE

230

P.W.No.

1

Part

1117

Sheet Ref.

37

Observer

111

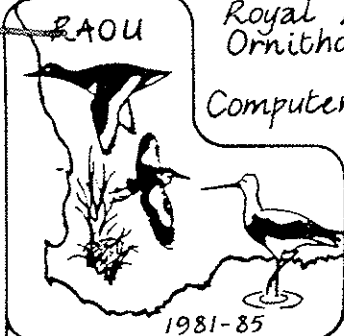
Comb./Spare

RETURN to
69 Lanark
St., Coolbinia,
WA, 6050.

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

I may have missed a few remote duck, but there seemed to be very few.
Not a satisfactory count, but the best I could do under the circumstances.
Water level low for time of year - little more than ankle deep on roads - was
wearing waders but could have done without

I think you will find the Irrigation Area interesting. You will need local co-operation
e.g. Ken Knight, who lives on Weir Road, Harvey (Tel. (097) 291270), knows his birds
& knows many people in the Irrigation Area. The co-operation of the Harvey Office of
the Water Authority of W. A. could also be useful - they allocate watering, but not too
far ahead - it sometime rains! It could happen that there will be no watering
at the time of the C.D.C. I take it that you saw the too slender basis
of the calculations that I made. An adequate job could take three days, starting
at first light if possible.



Royal Australasian
Ornithologists Union

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Computer Form for use in the Survey of

WATERBIRD USAGE

of
Wetland Nature Reserves
vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer ERIC SEDGEWICK phone
Address 20 Herbert St., HARVEY

Wetland Nature Reserve name Bender Swamp postcode 6220
P.W.No. 230 Part No. 1

Date of Survey 14/12/1987 Start/Finish 0745/1005 Sheet 1 of 1
...eg. 100pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity.
4. Used a telescope (T)? If not, put an X.
5. Used a boat (B)? If not, put an X.

Comments:

203 3-4 well advanced cygnets.

see attached

SPECIES
English Name
RAOU Atlas
abbrevn No.
(4 letters)

1	Potfu	1,8,9
2	WtHa	1,8,8
3	GtEE	1,8,7
4	SacI	1,7,9
5	SukI	1,8,0
6	YtSI	1,8,2
7	Swan	2,0,3
8	Shel	2,0,7
9	PaBD	2,0,8
10	WtHa	2,1,9
11	Pow87	1,4,6
12	Gank	1,5,8
13	Crew	5,2,4
14		
15		
16		
17		
18		
19		
20		

Total number of birds recorded (last digit) ↓
Total Partial Count
Tor P. Count
↓ HO

...	5	P
...	11	P
...	12	P
...	32	P
...	41	P
...	17	P
...	11	P
...	80	P
...	9	P
...	1	P
...	72	P
...	36	P
...	12	
...		
...		
...		
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...		
...		
...		
...		

BREEDING: Tick ✓ if these categories were observed...
dd DR SN e yn

				✓

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230
P.W.No.
1
Part
118
Sheet Ref.
37
Observer

Comb./Spare

RETURN to the Field Officer:
(address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

Observer: Eric H. SEDGWICK.
 Address: 20 Herbert Rd, HARVEY. 6220.
 Reserve: Bender Swamp.
 P.W. No.: 230.
 Date of Survey: 14 Dec. 1987.
 Start - Finish: 0745 to 1005 hr.

Count.

PaHn	189	5	
WEHn	188	114	
GrTE	197	12	
Sac I	179	32	
Snk I	180	41	
YbSL	192	17	
Swan	203	11	Includes 3-4 well advanced Cygnets.
Shel.	207	90	
PaBD	205	9	
Mallards	219	1	
BuSt.	146	72	
Gulls.	158	36	
CRW	524	12	

Waterfowl were mainly on the N.E. pools.

Other areas were almost dry with small pools - about puddles - attracting herons, ibis, spoonbills, Bent-winged Stilt & Greenshanks & some Scaled.

22/12/87

Have run out of Computer Forms. In fact, I think I cancelled the last, i.e. November form. I find too, that I have an October return which is probably not a duplicate - I do not make duplicates as I am forming them.

Seasonal greeting.

Eric

RAOU Royal Australasian Ornithologists Union

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eric H. SEDGWICK phone 097240371

Address 20 Herbert Rd, Harvey. postcode 6220.

Wetland Nature Reserve name Bender Swamp.

P.W.No. 130 Part No. 1

Date of Survey Start/Finish Sheet 1 of 1

06/01/1988 07.50 08.35 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ M
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments: Swamp virtually dry. Areas that used have been cultivated - cropped - possibly proving a disincentive to birds, e.g. herons, ibis. The record of Reed Warbler is based on a possible sighting & a few disjuncted calls. The swamp was flushed from a roadside.

A 'bird' year, lowest water levels (since 1985 when I first visited the Swamp). Little evidence of breeding - except Black Swan. Few waterbirds other than Greenshank & Shrike. No 'migratory' waterfowl sparse - I think. NOTE: my 'counts' have been mainly restricted to open water & as my wife is now very dependent, I have had to limit time spent on the job!

SPECIES		Total number of birds recorded (last digit)	T or P. Total Partial Count	BREEDING: Tick ✓ if these categories were observed...
English Name abbrev'd (4 letters)	RAOU Atlas No.			dd DR SN e yn
1 <u>Psu</u>	<u>058</u>	<u>1</u>		
2 <u>Chew</u>	<u>532</u>	<u>2</u>		
3				
4				
5				
6				
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19				
20				

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey;
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

119

Sheet Ref.

37

Observer

Comb/Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eric H. SEDGWICK phone 241371

Address 20 Macbrat Rd., HAZEL

Wetland Nature Reserve name BEXCE

P.W.No. 230 Part No. 1

Date of Survey 19 10 1987 Start/Finish 0835 1200 Sheet 1 of 1

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments: Water level low for time of year. Wetland very unevenly distributed. The only pool with an appreciable number of waterfowl was the N. Western area of open water where almost all the Shelduck & Black Ducks were congregated. Several sightings - one of two birds. One seen singly lacked one or two pinions. The two seen simultaneously did not appear to be lacking a pinion.

Wetland: Pool/Gorge/pond. A visit to the Swamp earlier in the month - 5 Oct - suggested a considerable increase in numbers since the previous sighting.

Observation: 22 adults. 19 eggs.

SPECIES		Total number of birds recorded (last digit)	T or P: Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd DR SN e yn
1 LRC	100	33	P	
2 WLn	188	6	P	
3 GIE	187	1	P	
4 Scl	173	42	P	
5 Ysb	182	3	P	
6 Swan	203	40	P	/
7 Shcl	203	308	P	
8 PBD	208	288	P	
9 MWD	217	8	P	
10 Mbs	219	3	P	
11 Psn	218	4	P	
12 Bsr	106	11	P	
13 CRW	524	24	P	
14 LiGn	522	10	P	
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Use the Wetland Map on the back of this form to mark...

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1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey,
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

120

Sheet Ref.

37

Observer

111

Comb./Spare

RETURN to

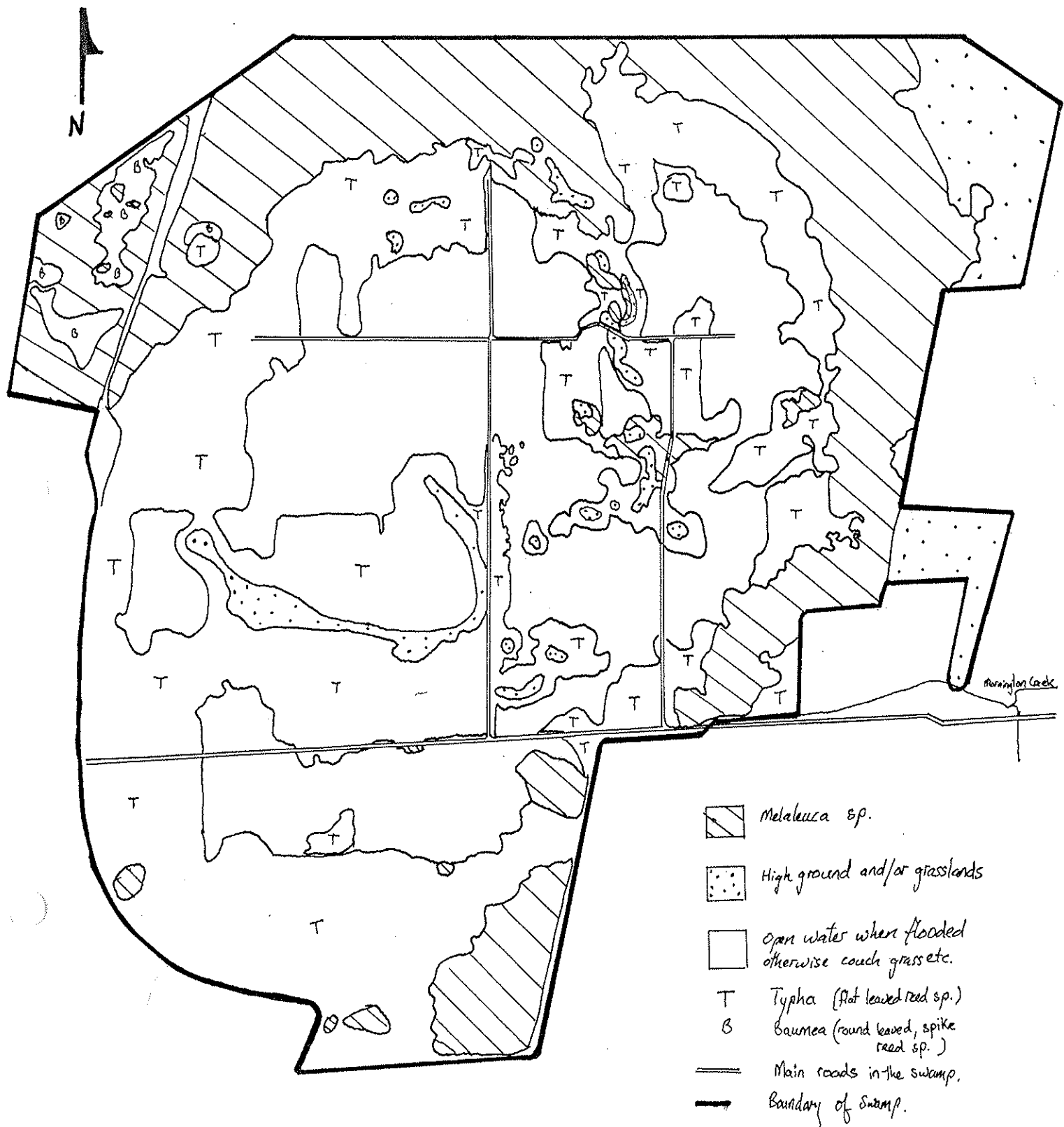
the Field Officer:

(address is in

'W.A. Bird Notes')

Note: enter data for additional species on a separate form // put extra comments on back or on attached sheets // complete all questions & relevant sections // check all data // print clearly.

BENGER SWAMP.



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Ornithologists Union

FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves

vested in the
Western Australian Wildlife
Authority & situated in the
South-West & Eucla Divisions.

Observer Eric Sedgewick phone _____

Address _____

Wetland Nature Reserve name Banger Swan postcode _____

P.W.No. _____ Part No. _____

Date of Survey _____ Start/Finish _____ Sheet _____ of _____

02/11/1987 ...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
2. Put an "A" if you are confident that you found all species present (otherwise put "N"). ☒ N
3. Intensity of nest searches: no searches (X); low (L), medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments:

SPECIES
English Name
RAOU Atlas
abbrevtn
No.
(4 letters)

1. Amel 1.0.6

2. CP.C 1.0.0

3. PctHn 1.8.9

4. WRHn 1.8.5

5. GME 1.8.7

6. SocI 1.7.9

7. SukI 1.8.0

8. Yb87 1.8.2

9. Swan 2.0.3

10. Shel 2.0.7

11. PabP 2.0.8

12. Watta 2.1.9

13. Pu8n 0.5.8

14. Bw87 1.4.6

15. Crow 5.2.4

16. Li6a 5.2.2

17. _____

18. _____

19. _____

20. _____

Total number of birds recorded (last digit ↓) ↓

3

3.7

1

7

6

5.0

1

7

5.2

8.6

4.5.0

1

2

2.7

2.4

1.0

BREEDING: Tick ✓ if these categories were observed...
dd DR SN e yn

_____ ✓

Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey;
3. any other relevant information.

OFFICE USE

23.0

P.W.No.

1

Part

1.2.1

Sheet Ref.

3.7

Observer

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

P.W. No.

[illegible]

RETURN to
the
Field Officer:
(address is in
'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

SURV. 1 No. ⑥

Wetland Nature Reserve
NAME

P.W. No.

Bogus Swamp.

230

Part name & no. 1

Date 2/11/87 start 0925 Fin. 1030
(eg. 1300).Questions: (mark ~~X~~)

1. surface water (W), moist (M) or dry (D)?
2. found all species (A) or not all (N)?
3. no (X), low (L), medium (M), high (H)
intensity of nest searches?
4. used a telescope (T), or did not (X)?
5. used a boat (B), or did not (X)?

Comments:

Eric H. SEDGWICK
- in count.

Notes & Sketches: (eg. nest sites).

Dear Roger,

I find that I have run out of response forms, so have improvised. Can do the same for December - if I get to the Swamp. My driving licence runs out on 9 Dec. & I may not renew it. It is almost time I got off the road, so there may be no hint in coming further forms - if I get to the Swamp in December, I can improvise again & the water level is as low that the swamp may be dry by January!

Efforts to control the Typha may have met with some success, but it has become harder to see the open water from the road. I fear that my count will be open areas, and some I could not see. I realize my work has now become very dependent & I do not even know how far very long, i.e. long enough to make a satisfactory count.

Regards,

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eric H. SEDGWICK phone 091291371

Address 20 Herbert Road, HARVEY, 6220 postcode 6220

Wetland Nature Reserve name BENDER SWAMP

P.W.No. 230 Part No. 1

Date of Survey 25.05.1988 Start/Finish 13.00 13.45 Sheet 1 of 1

...eg. 1.00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ M
2. Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
3. Intensity of nest searches: no searches (X); low (L); medium (M) or high (H) intensity. ☒ X
4. Used a telescope (T)? If not, put an X. ☒ X
5. Used a boat (B)? If not, put an X. ☒ X

Comments: There was very little surface water and this confined to the N.E. area. All water birds seen were in the N.E. pool. The Swamphen on a Typha margin in the Swan - most standing - in a shallow pool. Warm tree. Initially I counted 110 Swan in one group - 70 in another. Shortly after I had completed the count, all 'painted' & flew. Before I left a flight estimated at 110, returned. These may have been birds I had counted, but could have been other birds. I have given the conservative figure.

OVER

SPECIES		Total number of birds recorded (last digit ↓)	T or P. Total Partial Count ↓ HOV	BREEDING: Tick ✓ if these categories were observed...			
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e yn
1 WBL	187	2	T				
2 SWM	203	180	21				
3 POS	055	1	F				
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Use the Wetland Map on the back of this form to mark...

C/V

1. approximate positions of any active nests found (SN, e, yn).

2. the route of your survey;

3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

122

Sheet Ref.

37

Observer

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

Normally at this time of year, and with the prevailing conditions I would expect Pintail Mall
Duck to be present with the Swan, but I saw no Black Duck. The area occupied by the waterfowl
birds had been cultivated.

RAOU Royal Australasian Ornithologists Union FINAL

Computer Form for use in the Survey of

WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Eucla Divisions.

1981-85

Observer Eric H. SEDGWICK phone 291371

Address 20 Herbert Road, HARVEY.

Wetland Nature Reserve name BENGER SWAMP.

P.W.No. 230 Part No. -

Date of Survey 21 06 1988 Start/Finish 08.00 09.45 Sheet 1 of 1

...eg. 1:00pm = 1300.

1. Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? W
2. Put an "A" if you are confident that you found all species present (otherwise put N). N
3. Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. X
4. Used a telescope (T)? If not, put an X. X
5. Used a boat (B)? If not, put an X. X

Comments: Night Heron. Not seen. One adult seen observed.

Musk Duck. 2 + 2. Duck + Drake in each zone. Courtship behaviour observed.

Red Wattlebird. Calls heard in 4 areas.

Carrantbird: Calls heard in 9 areas.

Small Grebe. Too distant to identify in non-breeding plumage.

Swamp Lull. Heavy rain have fallen, but level probably depend upon water strategies. Heavy rain in full - overflying. Water probably released from Spring Dam.

English Name abbrev'd (4 letters)	RAOU Atlas No.	Total number of birds recorded (last digit ↓)	T or P: Total Partial Count	BREEDING: Tick ✓ if these categories were observed...				
				dd	DR	SN	e	yn
1 LFC	1.0.0							
2 GRE	1.8.2							
3 RWA	1.9.2							
4 SWAN	2.0.3							
5 PBD	2.0.8							
6 GYL	2.1.1							
7 HAD	2.1.8							
8 MUD	2.1.9							
9 PUS	2.5.8							
10 CROW	5.2.8							
11 LGD	5.2.2							
12 ULB	8.2.0							
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Use the Wetland Map on the back of this form to mark...

1. approximate positions of any active nests found (SN, e, yn).
2. the route of your survey.
3. any other relevant information.

OFFICE USE

230

P.W.No.

1

Part

123

Sheet Ref.

37

Observer

1

Comb./Spare

RETURN to the Field Officer: (address is in 'W.A. Bird Notes')

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RAOU Royal Australasian Ornithologists Union

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WATERBIRD USAGE

of Wetland Nature Reserves vested in the Western Australian Wildlife Authority & situated in the South-West & Feral Divisions.

1981-85

Ob Ad We Re Pl

RAOU EXCURSION

BENGER SWAMP

1 1 1 1 9 8 5

eg. 1.00pm = 1300.

- Wetland had surface water (W), no surface water but was moist (M), or was dry (D)? ☒ W
- Put an "A" if you are confident that you found all species present (otherwise put N). ☒ N
- Intensity of nest searches: no searches (X), low (L), medium (M) or high (H) intensity. ☐
- Used a telescope (T)? If not, put an X. ☐
- Used a boat (B)? If not, put an X. ☐

Comments:

SPECIES		Total number of birds recorded (last digit ↓)	T or P: Total or Partial Count	BREEDING: Tick ✓ if these categories were observed...				C/V	Use the Wetland Map on the back of this form to mark...
English Name abbrevn. (4 letters)	RAOU Atlas No.			dd	DR	SN	e		
1 HnGB	0,6,2	57							<p>1. approximate positions of any active nests found (SN, e, yn).</p> <p>2. the route of your survey.</p> <p>3. any other relevant information.</p> <p>OFFICE USE</p> <p>230</p> <p>P.W. No.</p> <p>1</p> <p>Part</p> <p>124</p> <p>Sheet Ref.</p> <p>186</p> <p>Observer</p> <p>111</p> <p>Comb./Spare</p> <p>RETURN to the Field Officer: (address is in 'W.A. Bird Notes')</p>
2 Apel	1,0,6	80							
3 LRC	1,0,0	110							
4 Pctn	1,8,9	7							
5 WpHn	1,8,8	15							
6 GntE	1,8,7	13							
7 Rnth	1,9,2	10							
8 GLoI	1,7,8	1							
9 SacI	1,7,9	58							
10 SWan	2,0,3	127							
11 FreD	2,1,4	1							
12 Shel	2,0,7	401							
13 PaBD	2,0,8	690							
14 GyTI	2,1,1	476							
15 Shov	2,1,2	17							
16 Pead	2,1,3	33							
17 Hand	2,1,5	897							
18 AbiP	2,1,6	13							
19 Must	2,1,7	7							
20 Watta	2,1,9	4							

Note: enter data for additional species on a separate form / put extra comments on back or on attached sheets / complete all questions & relevant sections / check all data / print clearly.

