

DEPARTMENT OF FISHERIES AND WILDLIFE
WETLAND — WATERBIRD SURVEY SHEET

WETLAND	Lake Barnes
LOCATION	Plantagenet Shire.

Photo 77: 28-32.

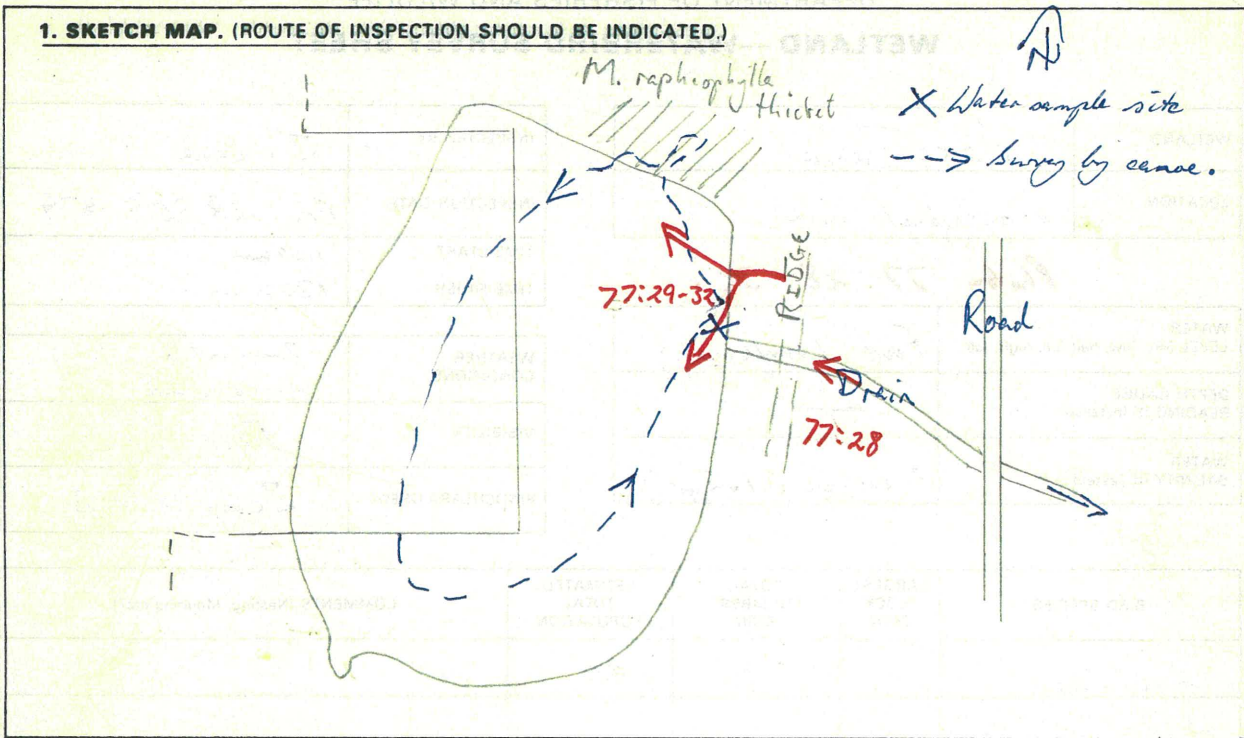
WATER LEVEL (dry, low, half full, high, full)	Full (overflowing)
DEPTH GAUGE READING (If Installed)	—
WATER SALINITY (If Tasted)	Measured (1.2 ppt)

INSPECTED BY	J. Lane
INSPECTION DATE	Fri 28 SEP 1979
TIME START	1140 hrs.
TIME FINISH	1300 hrs.

WEATHER CONDITIONS	Overcast. Little wind.
VISIBILITY	Fair
BINOCULARS USED?	Ziess 8x30 B

	BIRD SPECIES	LARGEST FLOCK SEEN	TOTAL NUMBER SEEN	ESTIMATED TOTAL POPULATION	COMMENTS (Nesting, Moulting etc?)
1	Grey Teal		30	30	
2					
3	Black Duck		6	6	
4					
5	Shelduck		2	2	
6					
7					
8					
9					
10	Also: one Black-fronted Noddy on east shore of lake				
11	(ie on non-reserve side)				
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					

1. SKETCH MAP. (ROUTE OF INSPECTION SHOULD BE INDICATED.)



2. WATER SAMPLES TAKEN?

IF YES, HOW MANY?.....Indicate Sampling Sites and Sample Identification on Sketch Map.

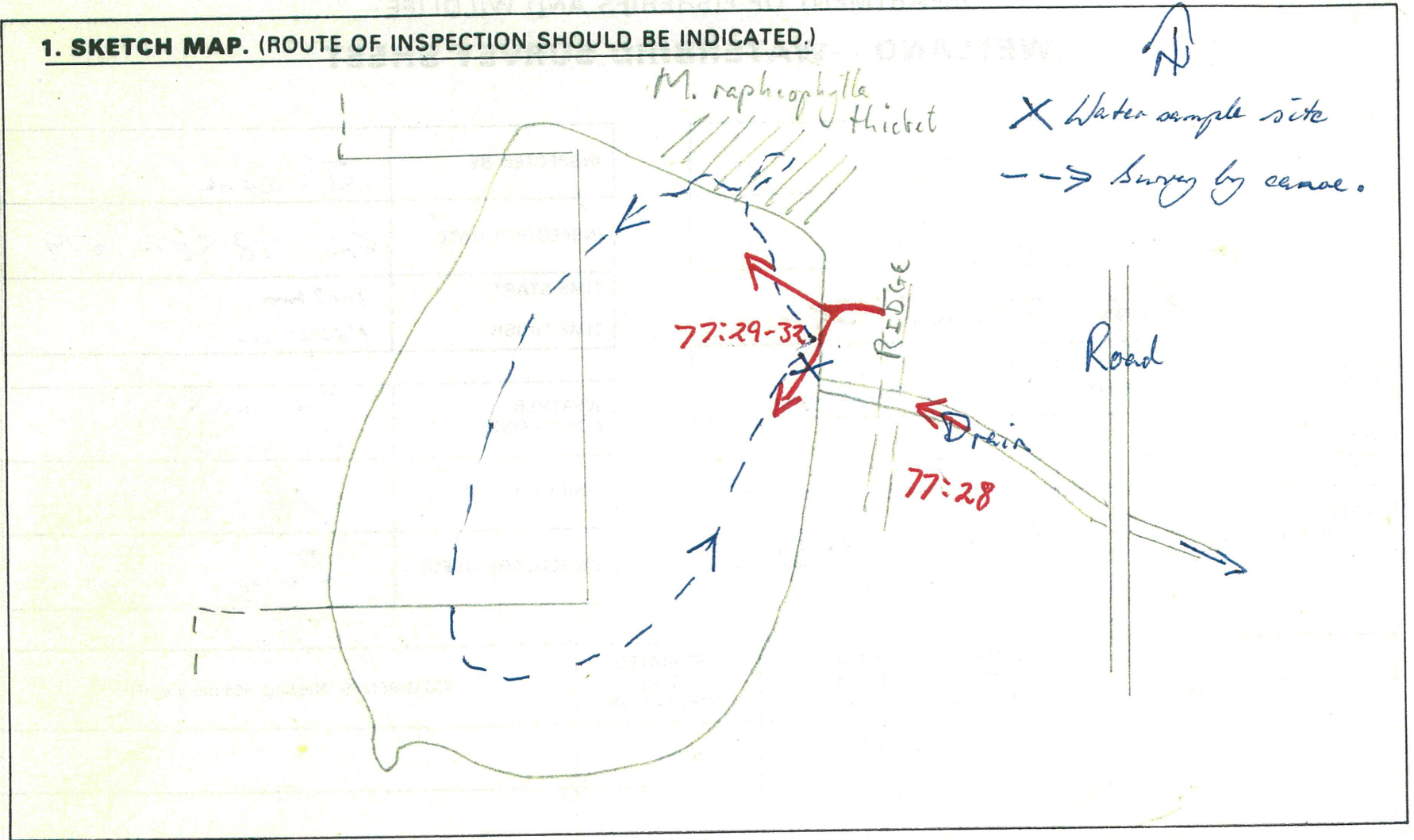
3. IN SITU MEASUREMENTS OF WATER QUALITY TAKEN?

SITE	WATER DEPTH AT SITE	DEPTH OF MEASUREMENTS (surface, bottom etc.)	SALINITY parts/thousand	TEMPERATURE °C	pH	Time
See Map	0.3m	Surface (bucket)	1.2 ppt.	14.9°C		approx 1150 hrs
1						
2						
3						
4						
5						
6						

4. GENERAL COMMENTS ON WETLAND, BIRDS ETC.....

Drain leading out of lake on east side flowing strongly. (Site 77:28)
 Water flowing in at NE corner of lake. Appears to be extensive regeneration of *M. raphiophylla* in this NE area. Many young trees and seedlings. Good cover. Pea rattle (*R. glauca*) frogs in grass here (off reserve)
 Maximum depth in lake 0.3m. Hard bottom.
 Thickets and trees around west and south side of lake are not *M. raphiophylla*.
 Local farmer said lake used to be a peat swamp but burnt out. Apparently won't grow anything when dry - a sterile lake. Agriculture Department advise it is too acidic.

1. SKETCH MAP. (ROUTE OF INSPECTION SHOULD BE INDICATED.)



2. WATER SAMPLES TAKEN?

IF YES, HOW MANY?.....Indicate Sampling Sites and Sample Identification on Sketch Map.

3. IN SITU MEASUREMENTS OF WATER QUALITY TAKEN?

	DEPTH OF	SALINITY	TEMPERATURE	
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	SITE	WATER DEPTH AT SITE	DEPTH OF MEASUREMENTS (surface, bottom etc.)	SALINITY parts/thousand	TEMPERATURE °C	pH	Time
1	See Maps	0.3m	Surface (bucket)	1.2 ppt.	14.9°C		approx 1150 hrs.
2							
3							
4							
5							
6							

4. GENERAL COMMENTS ON WETLAND, BIRDS ETC.....

Drain leading out of lake on east side flowing strongly. (Plots 77:28)
 Water flowing in at NE corner of lake. Appears to be extensive regeneration of M. raphiophylla in this NE area. Many young trees and seedlings. Good cover. See rattle (R. glauca) frogs in grass here (off reserve)
 Maximum depth in lake 0.4m. Hard bottom.
 Thickets and trees around west and south side of lake are not M. raphiophylla.
 Local farmer said lake used to be a peat swamp but burnt out. Apparently won't grow anything when dry - a sterile lake. Agriculture Department advise it is too acidic.

PLEASE FORWARD COMPLETED SHEETS TO: W.A. WILDLIFE RESEARCH CENTRE, P.O. BOX 51 WANNEROO 6065



Photos.
77:29-32
Panorama of deBe
Barneo from east
side. See
survey maps
28 SEP 79.



77:28 drain looking out of
deBe Barneo on east side.
Starting at night. 28 SEP 79.
(This is on other side of ridge)

88:5



88:6



Lake Barnes

~~to~~
Thurs 1 MAY 80

88:7



88:8

