

Anoxic layer of mud

26/11/52
Glenn Hall
Garry Meade
Low Kealley
Gordon Hensen
Col

0500 Rock

0550 To Coolagulla

25/11/98

Sampled cutoff lake & fished

up at 6.30

10.00 departed for Kat

2300 Rel notes in CAlmsted

2415 ~~also~~

25/11/98

Cutoff lake has a max depth
of 3.3 m. This adds to a 2.6 m

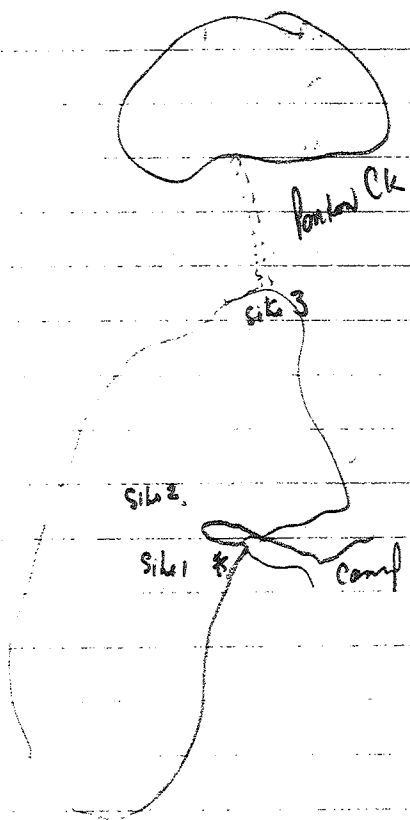
loss since last survey &
equals to the depth loss of
the main lake

Large masses of filamentous
algae on bottom. ~~often~~
Supported by dead vegetation
Some Chara sp. found.

Extensive areas of shallow
flooded dead vegetation (Roly Roly?)

Bust numbers very hard to
estimate. A walk along the north
edge east of Cat Island revealed
Pairs of Bust every 50 m or so. Flocks
of 25 frequent.

At NE corner lots of ducks + gulls
in shallows



Boonderas

Need Major ions
Tot P
Conductivity

Inverts for Lisa

Mites
Odonata

3 sites each
 PH top & bottom ins. lvs
 Cond. top 500 ml.
 DO top & bottom ins. lvs
 ions top 500
 Turbidity / Col top 250
 6 x 500 lvs 3 x 250 3 x 250 lvs 3 x 175 vials
 Tot P. u/ltr 120
 Tot P u/ltr 120

one only
 one only
 6 x 500 lvs

50-
 75 or 120
 log form
 2-5 g in vial
 frames
 2-3 sites
 20-50 m sweeps
 empty into pot

Test at 10cm for DO²
 Test at bottom for DO²

Alcol into 250
 50 m.
 20g

Main lake
 Sweep at 2 sites 250 um 50 m. 3 sites
 Preserve in alcohol in pot
 Need 3 pots x 1 liter = 3 liters
 50 um 2 sites 50 um 50 m
 Collect in a 500 ml pot
 Formalin 10%
 Cut off lake
 1 site for 250 x 50 um sweeps

store in pots
 ions - 500 ml.
 PH
 Top filt 120 P & N
 Col turbidity 250 + unlit
 DO
 10C in
 Bottom

256.5 12172 ↑

limit

"font"

Depth

Probe ⁰²
Depth ⁰²

Sal

Temp

①

31 07 92

0.4

6.22

124 17 216

"NH"

end of open water

31 07 428

7.20

4.00 ^{88.4} 5.76

22.4

124 21 918

0

0.1 ^{87.8} 5.93

22.6

low school 0107

"SH"

end of open water

31 11 086

31 11 018 ^{13.3}
^{14.75}

4.0

^{90.3}

5.75 21.5

124 22 076

22.079

0.1

^{89.6}

5.83 21.5

Open Water

NE arm

5.6

4.0

^{92.2}

5.77 22.8

31 07 063

0.1

^{90.7}

5.78 23.0

124 22 520

Conting 1 Stk limit

31 07 1655

124 17 209

Conting 2

Conting 1

31 07 156

124 15 530

24/11/98

calibrated DO with 0 oxygen
came down to 1.99

53

20

Kildonan

13 km

7 km

203

9.8 km

Kilr

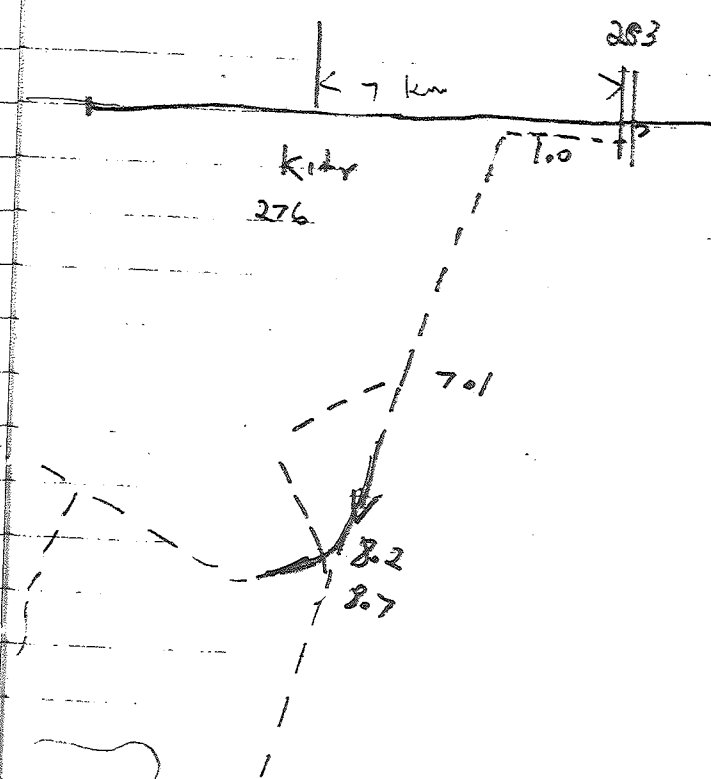
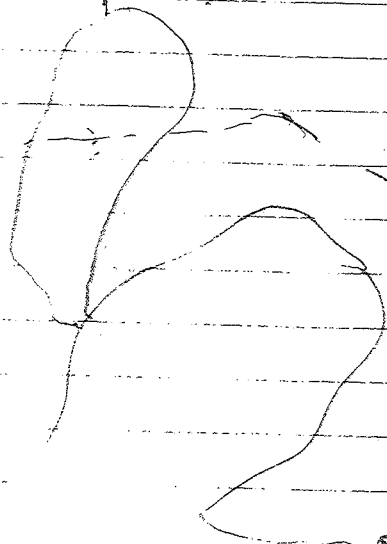
276

1.0

7.0

8.2

8.7



24/11/98

0600 Breakfast

Head MUGD 1

Wind Stone 18-20 km/h

0/lost

Head

Head

35

DD

Serious to Penland 5/11

Cyber 2.2.5.10.10.20.20

Cost 1.1.2.6.6.10.10.50.50

ADGB 6.4.20

Fred 1.1

Pada 1.1.2.12.DD

Pada 50.50

Whiter 2.1

Shav 1.1.1.5

Head 9.3.1.4

Swam 4

Shel 3

Sig 1.3

34 07

124 18

20/11/98 1.1.1

BUST 1.1.1

Cost 20

MUGD 1

31 08 004 124 18 802
MUGD 9 parked at 04m

(19)

(136)

(30)

(2)

(14)

(100)

(3)

(8)

(17)

(4)

(3)

(6)

(3)

(3)

(20)

(1)

Sample Site 1 Ponton CK

21.07 985

124 18 956

PH 7.98, 8.1, 8.3, 8.2

Conc 500 ml

Turbidity 250

DO 92.0 Top

85.6 Bottom

6.19 700 Top

6.22 Bottom

Collected 57 um

350 um

Sticks BfOP (1)

Seed BfOP 6 Red Kneed Pl

LCAP 6

Buoy 40 Scraps at

base of shrub dead

light nest indicated by cat
sh tracks

Photos 3-6.

①

24/11/98

Boat Survey 1000h Greene
Headed east into Shallow area
then south along east shore
Bird walk at 31 08 847

124 22 457

Snobs on Stand line 100 L
5m above present horizon

W. P. 1000 in tree

at 31 09 413

124 22 319

on east side

Photo 9 10 11 12 D

21 10 52

Depth = 12.2m

124 21 6

110ft.

Reef port found in 95

42-2. 28056 Cited Merid

23/11/93

31 34 540

117 53 193

54

55 DF Woodswallow 1
mayfly

56 DF Woodswallow

57

Corvid

58

59

mythos 2
DF C. shrike 1
Woodswallow

118

AC

118 01 236 00

corvid 1.1.1.1

Dusky Wood swallow 101,

Longear

* Breeding

574	Grel	800-1000	*
13	Chet	200	*
83	Po30	200	*
243	Reed	500	*
449	Hard	600-800	
24	Shel	100	
25	WAND	60	
7	Muss	50	
3	FWD	3	
614	Coat	1500	*
18	Shel	50	*
43	Swan	100	*
514	AKND	1500	
8	BTNH	5	
8	Rcap	250	*
7	Bfop	100	*
38	Rknp	100	*
480	BWST	500	*
40	BST	50	
19	Crack		

17 WTHW 50 *

7 SWN 10 *?

6 Whist kil

May 24/1/98

E oleosa flooded
with hollows

Cyff Nest with 11 eggs

Rcap 12

Bfop 1. 1. 1.

Rknp 20

BWST 2. 2. 2. 4. 20. 16

BAST 60

31 12. 05 15/land

24 21 14

Rcap 4 noshs 18.

Bfop 1 + 1 juv.

Rknp 2.

31 11 334
124 21 255
Island Red Knew
Reel
Burst

1720 At Camp
1750 Notes.

25/7/98

0630 To Andy's Sample Site
NH of Wahi
Collected Mass of Botanogata

NE Arm Collected mass of weed.

South Boondaroo
Sampled at South end.

Wind was 10-15 km/h from NE which
created lots of sediment

Collected 50 m of sand
for 100 m into deep water
with new net.

Collected 250 in flooded bush
+ open water.

Collected insects from sticks for 30 min
Collected 500 ml. water

Turbidity color

Tot P + N felt + u/felt

South End of Lake

31 12 929

124 21 278

Wt 029

11.5 km to camp

11.3 km to Pond & Site

25 Bwst feeding in shallows

100 Pead + 100 Hord + 30 Gylt

Plucked from shallow bay

lots of Cornet & mites

Plucked & release

Pond West of Camp

Sharp Tailed SP 2

Marsh SP 1

Bwst 17

Bast 1

RK nP 2.2

PEAD 2

Gylt 20

Shel 4

Coat nest 3 eggs

Coat Nest x 3 no eggs

Great knot

Frod 19

Chert 2

Shov. 1

RNAV 3

BAST 6

Boards 20 25/11/95

Camp

RIA ^{BoH} 8.49
Temp 23.2

Tot P. 2.16

Tot P. up 1.16

Cond.

0.01

Tot

0.8
Bottom

PH 8.49

Temp 23.6

23.5

0.1

Temp 24.5

23.9

Sol. 5.58

5.76

0.8

103.6 101.5

99.8

25/11/98

Ways Point 30. Cut off lake

31 Oct 652

12x 17 488

↳ Lumber

Shel	Ca	100
Coyd	"	1000
Lead.	"	1500
PABD		100
Chert		10
Free D		10
Coat.		100

205 m deep

11.5 9 at 2.5
11.08 9 at 0.2

25/11/98

Cut off 1.

Walked around Norwich Lane Rd

Burst comm

WAB
Gark
Shel
F & D
PABD
Galk
Lead.

Walk along NH Shon

RKPI 2.2.12
Burst 40.10.10 2 Chicks
Galk 400.200.200
Lead 200.50.50
PABD 2.4.2
WAB 6 Galk 2

25/4/98
Depth 3.3

31 06 884

124 16 447

0.2	3.3	11.48	24.24
3.3		11.48	24.4

Reed (Box) Cor Site 2

31 06 506

124 15 059

Sample Site 2 Cor

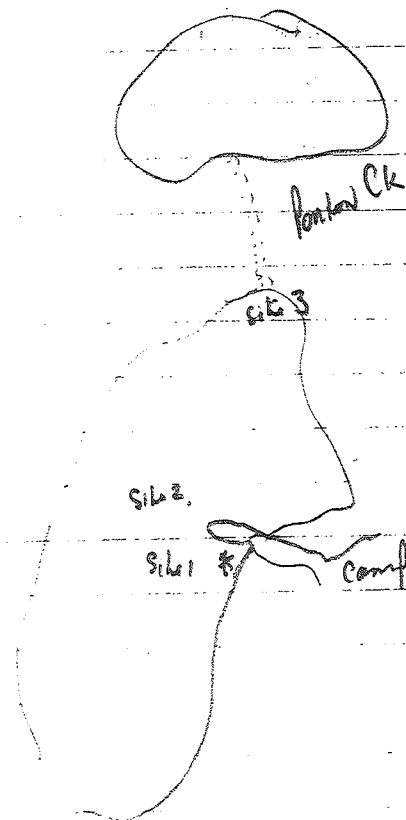
Top 0.8 Bottom

Sol 11.84 11.83

00 104.9 105.1

Temp 27.3 27.3

PH 8.95 8.73



Boonderas

Need Major ions
Tot P
Conductivity

Inverts for lisa

Miles
odonata

Three light traps
to 574
work done (C.F.)
9/8/10

3 sites each

PH	top & bottom	insides	75 or 120
Cond.	top	500 ml.	10% Form
DO	top & bottom	insides	2-5% in vial
ions	top	500	frames
Turbidity / Col.	top	250	2-3 sites
6 x 500 pots	3 x 250	3 x 250 pots, 3 x 175 vials	20 - 50 m sweeps
Total P. Filt		120	empty into pot
Total U/Filt		120	

Test at 10cm for DO^2
 Test at bottom for DO^2

alcohol into 250
 50 m.

Main Lake
 Sweep at 3 sites 250 um 50 m. 3 sites

20%
 store in pots

Pressure in alcohol in pot
 Need 3 pots x 1 liter = 3 liters
 50 um 2 sites 50 um 50 m

ions - 500 ml.

Collect in a 500 ml pot

PH
 Top Filt 120 P & N
 Col / turbidity 250 + unfilt
 DO

Formalin 10%
 Out off lake
 1 site for 250 x 50 um sweeps

10 cm
 Bottom

Monday

Food

Thermos

5270 0237
1am 5270 0107

0545 at work

0700 to Kat

DO powder

Bread

Fox to McMillan Shakespeare

Yabbie nets

Matches

Alcohol?

Egg book

Pots

1am Valley
Maps
Photos

Helin Bob Simpson

Kat. 0101

Phone: 0102

256.5 12.172 $\uparrow$

limit

"Port"

31 07 92

124 17 216

Depth

0.4

Probe
Depth

Sal

Temp

6.22

"NH"

mid of open water

31 07 428

7.20

88.4

4.00 5.76

22.4

124 21 918

0

87.8

5.83

22.6

Low School 0107

"SH"

end of open water

31 11 086

31 11 086

13.3

4.0

90.3

5.75 21.5

124 22 076

22.07

0.1

89.6

5.83 21.5

Open Water

NE arm 5.6

4.0

92.2

5.77 22.8

31 07 063

0.1

90.7

5.86 23.0

124 22 520

Core 1 SH limit

31 07 1655

124 17 209

Core 2

Core of lake

31 08 156

124 15 550

24/11/98

calibrated DO with 0 oxygen
came down to 1.99

Kildiner

13 km

9.8 km

53.

20

7 km

203

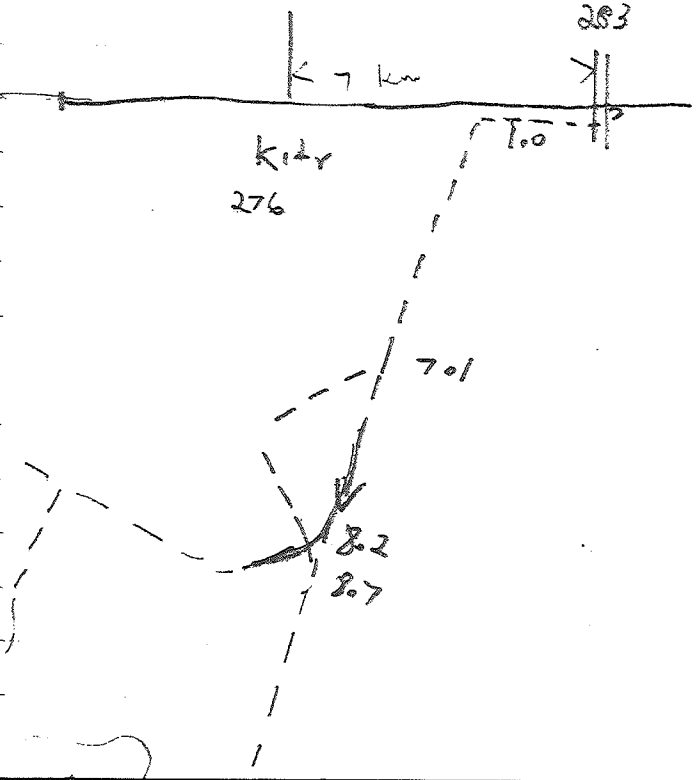
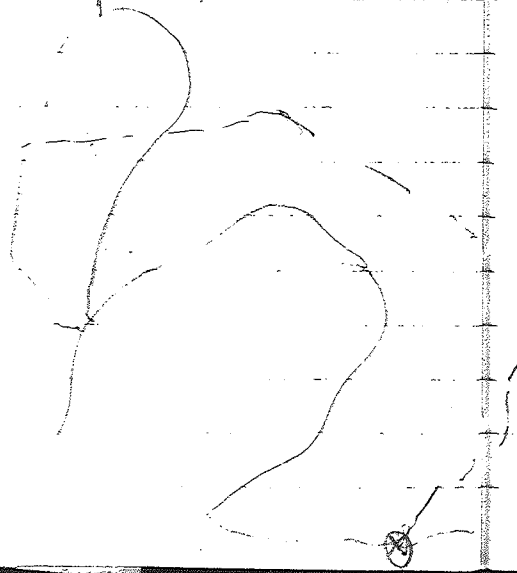
Kitr
276

7.0

7.1

8.2

8.7



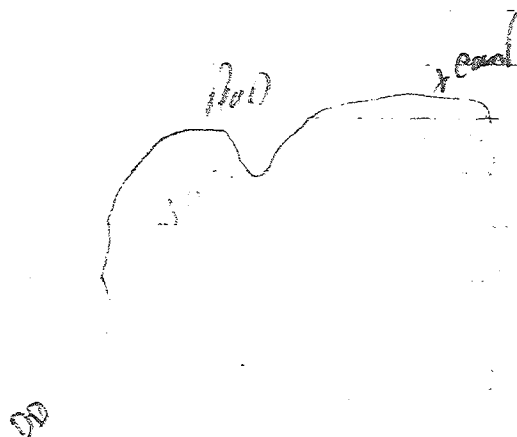
24/10/98

0600 Blast

Head 11.50

Wind 18-20 km/h

0.1 cast



Singing & Perching

Cry 2.5 .5 .10 .10 .20 .20

Coat 1.1 .2 .6 .6 .10 .10 .50 .50

WAG 6.4 .20

Feed 1.1

Pogo 1.1 .2 .10 .DD

Poo 50 .50

Whistle 2.1

Shay 1.1 .1 .5

Head 9.3 .1 .4

Swan 4

Shel 3

Sis 1.3

34 07

124 18

WCHN 1.1 .1

BWST 1.1 .1

Coat 20

WUSD 1

31 08 004 124 IF 802
Hatched & Perched at 04m

(69)

(136)

(30)

(2)

(14)

(100)

(3)

(8)

(17)

(4)

(3)

(4)

(3)

(3)

(20)

(1)

Sample Site 1 Ponton CK

21.07 985

124 18 956

PH 7.98, 8.1, 8.3, 8.2^B

Conc 500 ml

Turbidity 250

DO 92.0 Top

85.6 Bottom

6.19 900 Top

6.22 Bottom

Collected 55 um

350 um

sticks Btop ①

Seed Btop 6 Red Kneec ①

LCAL 0

burst 40 Scaevola at

base of shrub dead

lytle nest produced by cat

at tracks

Photos 3-6.

①

24/10/98

Boat Survey low tide Craine
Headed East into Shallow area
then South along East Shore
Bird walk at 31 08 847

124 22 457

Snarks on Stand line 100
15m above present level

Soften post in tree

at 31 09 413

124 22 319

on East Side

Photo 9 10 11 12 13

21 10 52

Depth = 12.2m

124 21 6

40ft

Reef Port point 95

* Breeding

574	Gyrf.	800-1000	*
13	Chick	200	*
83	Po. 20	200	*
243	Po. 20	500	*
449	Hard	600-800	
24	Shed	100	
25	Mand	60	
7	Muxo	50	
3	FWD	3	
674	Coat	1500	*
18	Shed	50	*
43	Coat	100	*
574	AMUB	1500	
8	BTNH	5	
86	Rcap	250	*
7	Bfol	100	*
38	Rknp	100	*
486	BWST	500	*
40	BAST	50	
19	Crack		

17 WAFW 50 *

7 SGL 10 *

6 White KIL

May 24/1/98

E Oloosa flooded
with hollows

Gyrf. Nest with 11 eggs

Rcap 12

Bfol 1. 1. 1.

Rknp 20

BWST 2. 2. 2. 4. 20. 16

BAST 60

31 12. 05 15 land

24 21 14

Rcap 4 noshs 18.

Bfol 1 + 1 juv.

Rknp 2.

31 11 334

124 21 255

Island Red Knot
Rcal
Bust

1720 At Camp

1750 Notes.

25/11/75

0630 To Andy's sample site

NH of Wahi

Collected Mass of Biomagetic

NE Arm collected mass of weed.

South Boonderoo

Sampled at South end.

Wind was 10-15 kPH from NE which
created lots of sediment

Collected 50 m of towed
for 100 m into deep water
with new net.

Collected 250 in flooded bush
+ other work.

Collected weeds from sticks for 30m
Collected 500 ml. water

Turbidity color

Tot P & N felt + 1/2 felt

South End of Lake

31 12 929

124 21 278
Wt 029

11.5 km to camp

11.3 km to Pond Ch Site

25 Bust feeding in shallows

100 Pead + 100 Hord + 30 Gylt

~~Washed from~~ shallows bay

lots of camel tracks

flooded & loose

Pond West of Camp

Sharp Tailed SP 2

Marsh SP 1

Bust 17

Bast 1

RhP 2.2

PeAD 2

Gylt 20

Shl 4

Coot nest 3 eggs

Coot nest x 3 no eggs

Great knot

Frod 19

Clert 2

Shv. 1

RNAV 3

BAST 6

Boonville 25/11/98

Camp

R/A 8.49

Temp 24.5

Top P. 8.49

Top P. upland

Cond.

0.1

0.8

Top

Bottom

PH

8.49

8.49

Temp

23.6

23.5

Temp

24.5

23.9

→ Sol

5.58

5.76

103.6

101.5

99.8

25/11/98

way Point 30 Cutoff lake

31 04 652

12/17 488

2 Limbs

Shel	Co	100
Coyl	"	1000
Reed	"	1500
P.B.D		100
Chert		10
Shel		10
Coat		100

205 m deep

11.5 9 at 2.5
11.08 9 at 0.2

25/11/98

Cutoff 1.

Walked around Norwich Lane Rd

Burst comm

WtcrB
Gark
Shel
F+D
P.B.D
Gyll
Reed

Walk along NH Shon

RKPI	2.2.12
Burst	40.10.10 2 Chubs
Coyl	400.200.200
Reed	200.50.50
P.B.D	2.4.2
WtcrB	6 Gark 2

25/11/98
Depth 3.3

31 06 884

124 16 447

0.2 3.3	11.48	24.4
3.3	11.48	24.4

Road (Box) Cor Site 2

31 06 506

124 15 059

Sample Site 2 Cor

Top 0.8 Bottom

Sal	11.84	11.83
-----	-------	-------

DO	104.9	103.1
----	-------	-------

Temp	27.3	27.3
------	------	------

pH	8.95	8.73
----	------	------

25/11/98

Sampled cut-off lake & fished

up at 6.30

1900 departed for Kat

2300 Kat notes in Calungated

2415 off

25/11/98

Cut-off lake has a max depth
of 3.3 m. This adds to a 2.6 m

loss since last survey &
equals to the depth loss of
the main lake

Large masses of filamentous
algae on bottom, often
suffocated by dead vegetation
Some Chara sp. found.

Extensive areas of shallow
flooded dead vegetation (Roly poly?)

Bird numbers very hard to
estimate. A walk along the north
edge east of Cat Island revealed
Pairs of Quail avg 50 m or so. Flocks
of 25 frequent.

At NE corner lots of ducks + still
in shallows