

1988 Black-Necked Stilt Study
Data Sheet

1 of 3.

Date: 7 June 1988

Time: Start 0550 Finish 0702

Location: Lead Lake (Colony A)
CAMPGROUND

Weather: 45-50°F
Clear, No wind

Colony #: A
BS-1/BS-2 both ^{START} INCUBATING 0550

Young in brood: 1 2 3 4 NONE
Eggs

TIME BUDGETS: (Activity/minute intervals)

Pair/Nest #: LOWER NEAR COLONY
MATE? SWITCHED W BS-2

INCUBATING:

OFF-NEST, NOT FEEDING (defense, preening, flying, resting):

(0555)

(BS-40)
(BS MATE = 6)

NOT ABLE TO SEE BIRD:

(BS-2)

FORAGING/FEEDING:

Distance from nest-

	0-10m	10-50m	50-100m	>100m	Quad
• = 1					
•• = 2	••		••	••	EAST TO SOUTH EAST
••• = 3	••				
•••• = 4					
••••• = 5					
□ = 6					(BS-12)
□□ = 7					
□□□ = 8					
□□□□ = 9					
□□□□□ = 10					

Record any food items seen taken:

Area of greatest foraging activity:

SE 50-100m

NOTES/COMMENTS:

- 0630 BS-2 OFF NEST
- 0633 BS-2 ON NEST (SWITCH?)
- 0637 * BS-1 OFF (MATE SWITCH)
- * BS-1 MATE FLEW IN FROM WEST / SWITCH FLEW OFF? DIRECTION?
- 0655 BS-2 MATE SWITCH (X'S)
- 0702 BS-2 MATE FLEW SE TO OTHER COLONY MIXED W OTHERS FORAGING

Date: 7 June 88

Time: Start 0720 Finish 0920

Location: LEAD LAKE/CAMPGROUND

Weather: 50¹³, Sunny, Cool

Colony #: A

Young in brood: 1 2 3 4
Eggs/No young

BS-1/BS-2 INCUBATING 0700

TIME BUDGETS: (Activity/minute intervals)

Pair/Nest #: BS-2A

INCUBATING: (0723) ☒☒☒☒☒ 1: / ☒☒☒☒☒ :

OFF NEST (0720)
BACK ON (0723)

OFF-NEST, NOT FEEDING (⁴³defense, ⁴³preening, flying, resting):

(3) ☒ / :
→ over to make 1st hr.

NOT ABLE TO SEE BIRD:

FORAGING/FEEDING:

Distance from nest-

	0-10m	10-50m	50-100m	>100m	Quad
•=1					
: =2					
: =3					
: =4					
=5					
└ =6					
┌ =7					
□ =8					
▣ =9					
⊠ =10					

Record any food items seen taken:

Area of greatest foraging activity:

0839 BACK ON
- 0829 BS-1 OFF TO THREATEN RAVEN (2)
FLEW

NOTES/COMMENTS:

- 0827 BS-2 Back on nest ~~0829 BACK ON~~

- They also shake their feet before settling down on the nest.
always

- 0832 BS-2 OFF NEST, ON NEST 0838 RAVENS GONE

- Advocets occasionally drive the stilts away from spot to spot within 1/2m of colony.

- 0749 2 stilts fly in from west, 1 FLEW OFF SOON THEREAFTER

- 0811 - 2 advocets 2 stilts on nest & 2 advocets resting
CANNOT see BS-3 or BS-4 0831 - stilt in from SE then left.

- 0814 - 2 stilts fly in south (from) another from SE

- 0818 - BS-2 OFF NEST

Date: 7 June 88

Time: Start 0925 Finish 1025

Location: LEAD LAKE/CAMPGROUND

Weather: 50's, Partly Cloudy/Sunny, Cool breezes
From W-NW
OFF/ON
NW

Colony #: A

Young in brood: 1 2 3 4
NO YOUNG

TIME BUDGETS: (Activity/minute intervals)

Pair/Nest #: -BS-2A (0925)
MATE OFF NEST
-BS-1A (0936)

INCUBATING:

✓ L

OFF-NEST, NOT FEEDING (defense, preening, flying, resting):

/ / :

NOT ABLE TO SEE BIRD:

.. (Flew >100m W, TO shore edge-feeding?) / . / ::

FORAGING/FEEDING:

Distance from nest-

- = 1
- = 2
- = 3
- = 4
- = 5
- = 6
- = 7
- = 8
- ◻ = 9
- ◻◻ = 10

0-10m	10-50m	50-100m	>100m	Quad
•• /			•	NW To shore edge 7100m

Record any food items seen taken:

Area of greatest foraging activity:

NOTES/COMMENTS:

- (BS-2)
0925- MATE SWITCH // CAME FROM (WESTERLY DIRECTION)
0935- BS-1 OFF MATE RETURNED
0936- BS-1 ON MATE // New bird SWITCHED
0950 BS-1 MATE FLEW DUE SOUTH >100m CANNOT SEE // BACK TO BS-1 ON NEST
0951 BS-1 OFF NEST
0953 BS-1 BACK ON NEST
0955 BS-2 OFF NEST
0956 BS-2 BACK ON NEST
1010- BS-2 OFF NEST
1011- BS-2 ON NEST (DRINK, EXCREAT) EXCREAT)
1018- BS-1 MATE SWITCH // New bird

18
24
0936
1018

BS-3

8 June '88

- START -
(0711)

BS-4



- 0711 - on nest (INCUBATING)
- 0737 - off nest - alarmed?
- 0749 - Back on nest
- 0825 - off - alarmed (Leslie)
- 0827 - Back on nest
- 0900 - MATE ARRIVES FROM EAST (Canal) *
- 0902 - OPP. MATE FLYS ~~SE~~ NE TO POOL
BESIDE LEAD LAKE RD. (50M)
- 0904 ^{Then} OPP. MATE FLYS SE TO CANAL
ALONG NAVY CABIN ROAD.
- 0906 - MATE OFF NEST (Standing, Walking)
- 0925 - MATE ON NEST
- 0926 - OFF NEST
- 0932 - on nest
- 0933 - off NEST (Standing on/near island)
- 1004 - On nest
- 1011 - still on nest (END!)

- 0730 - on nest (INCUBATING)
- 0737 - off nest - alarmed?
- ~~0743~~ -
- 0739 - on nest
- 0830 - off - alarmed (Leslie)
- 0837 - on nest
- 0929 - MATE ARRIVES FROM SOUTH
- 0930 - SWITCH AT NEST (OPP. MATE NOT ON YET.)
- 0933 - OPP. MATE FLYS TO EAST (Canal) feeding
on surface.
- 0947 - Cannot see opp. mate anymore
- 0953 - New mate on nest now.
- 1005 - MATE ARRIVES FROM EAST (Canal?)
- 1007 - OPP. MATE FLYS TO CANAL/EAST
Feeding Actively
- 1011 - OPP. MATE FLYS TOWARD TULE LAKE
- 1011 - MATE STILL ON NEST (END!)

- END -
(1011)

145
711
900

0730
930

930
953

2 Good 23 bird flights
2 Shovelers
head lake
68 1 ♀
8 Id's
head pumps

1988 Black-Necked Stilt Study
Data Sheet

DOCUMENT: FEEDING AREAS
- MAP CDRAWN
- INCUBATING BOOTS
BEGIN W/ MATE CHANGE
- RECORD DISTANCE
TO FEEDING AREAS

Date: 8 June 1988

Time: Start 0711 Finish 1011

Location: CORNER OF LEAD LAKE RD. Weather: 50's / Sunny
NAVY CABIN ROAD low
BLUE SKY
light cool breeze

Colony #: B

Young in brood: 1 2 3 4
NO YOUNG YET.

TIME BUDGETS: (Activity/minute intervals)

Pair/Nest #: BS-3 AND BS4
(B colony)

INCUBATING:

BS-3 0711 (START) 0825 OFF ALARMED 0827 ON (LESLIE) B-4 0730 (START)
0737 (OFF) ALARMED 0739 (ON) 0737 (OFF) ALARM? 0830 (OFF) ALARMED (LESLIE)
0749 (ON) 0900 - mate flew in 0925 - ON from E (canal) 0930 (OFF) SWITCH 0827 (ON)

OFF-NEST, NOT FEEDING (defense, preening, flying, resting):

BS-3 new mate (0906) off nest on edge of colony island

BS-3 (0917) mate standing near West (0920) walking about.

NOT ABLE TO SEE BIRD:

0929 B in from S,
0937 MATE IN POOL BY ISLAND
FEEDING & CALLING
0953 - ON NEST

FORAGING/FEEDING:

Distance from nest-

	0-10m	10-50m	50-100m	>100m	Quad
0737	BS-4 in front of nesting island (12 mins)	0743 BS-4 TO Canal		BS-3 0737 N?	
0749	BS-3 float	0933 BS-3 MATE TO CANAL note Feeding surface (0947 cannot see)		BS-3 0904	SE N. Cabin Rd Canal

1005 - MATE SWITCH Fly in from E (canal?)
1007 - MATE Flew to Canal 50m. Feeding E!
1011 still on
flew toward tule lake ← 1011

Record any food items seen taken: - bill's length into the water probing bottom (or surface) of mud just underwater.

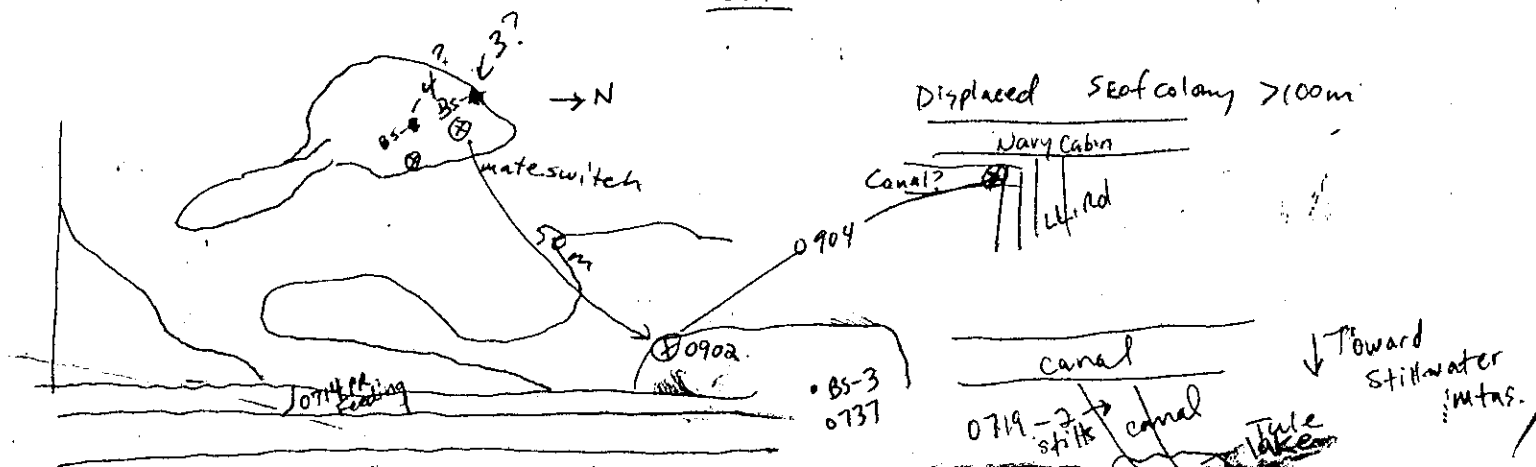
Area of greatest foraging activity:

NOTE BS-1? S end of island / Fed 50m to S. in dead trees back and forth

NOTES/COMMENTS:

0920 BNS? in canal behind me feeding on surface (bugs?)

0717 - Total 3 birds now in canal directly behind me.



M-50
8 eggs stage 3
1008 hen GW flying over w/ nesting material in bill

1988 Black-Necked Stilt Study
Data Sheet



Date: 9 June 1988

Time: Start 0612 Finish 1000

Location: Lead Lake Campground Site

Weather: low 40's °F, Sunny Blue Skies
slight cold breeze from SW
0900 - high 50's

Colony I.D.: A

Young in Brood: 1 2 3 4
NO YOUNG YET

TIME BUDGETS: (Activity/minute)

Pair/Nest I.D.: BS-1 & BS-2

BS-1: (0617) ON NEST INCUBATING

* 0649 MATE ARRIVES (1) SWITCH -----
0650 OPP. MATE FLYS W (2) NW
(1000) STILL ON

BS-2: (0615) ON NEST INCUBATING

* (0741) MATE ARRIVES (3) SWITCH -----
(0744) OPP. MATE FLYS (4) W-NW
(1000) STILL ON

0649 > 32 mins
0617

0741 > 1 hr, 26 mins
0615

Record any food items seen taken: Chironomids (Dead and Alive on water surface)

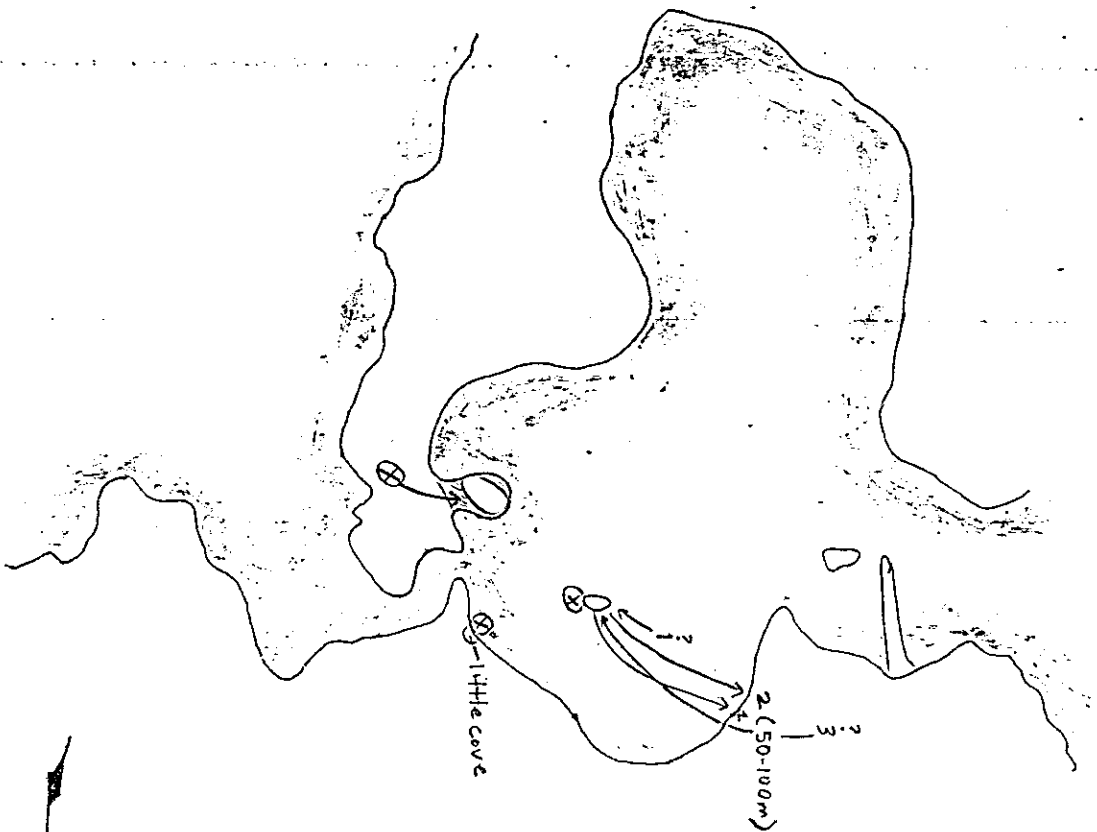
NOTES/COMMENTS:

Behavior - When mate arrives a "greeting call" is given and returned by incubating mate - then the switch takes place at the nest.

- Before bird sits on eggs each foot is shaken to clean water and debris from foot before sitting on eggs?

0705 - 2 Bns feeding in front of colony water 2" deep - pecking at surface, seem to be chasing inverts. on water surface - flies? chironomids? in the water in front of me.

0835 - observed bird 5m away feeding on surface - eating dead and alive chironomids.



LEGEND
⊗ = other areas known to be used by birds for foraging

1988 Black-Necked Stilt Study
Data Sheet

Date: 10 June 1988

Time: Start 0659 Finish 1004

Location: Corner of Lead Lake Road and Navy Cabin Rd. Weather: low 50's
Cloudy, No wind

Colony I.D.: B

Young in Brood: 1 2 3 4
NO YOUNG YET.

TIME BUDGETS: (Activity/minute)

Pair/Nest I.D.: BS-3 and BS-4

BS-3 (0659) ON NEST INCUBATING
 [40 min.] * (0739) ~~MATE~~ ARRIVES FROM (SOUTH) (1)
 (0739) OPP. MATE FLYS E (2)
 [1 hr. 10 min] (0849) OFF NEST - ALARMED? MY SPEAKING
 ON RADIO CAUSE??
 (0849) MATE ARRIVES (5)
 (0850) OPI. FLYS NE (6)
 (0851) MATE ON NEST INCUBATING
 (1004) STILL ON NEST
 END -

BS-4 (0659) NOT ON NEST
 (0715) BNS NOT SEEN YET
 [1 hr. 19 min] (0726) ON NEST INCUBATING
 (0845) ^(OPP.)(MATE) OFF NEST FEEDING IN FRONT OF ISLAND.
 (0847) ^(OPP.)(MATE) FLYS TO CANAL W/O OTHER (MATE?) (4)
 (0848) 1 BNS RETURN TO POOL IN FRONT OF ISLAND
 XX (0830) MATE ARRIVES --- from canal behind me (3)
 (0934) MATE ON NEST ! FINALLY
 (1004) MATE ARRIVES FROM?
 (1004) OPP. MATE ON NEST
 MATE FLYS ??
 END -

Record any food items seen taken:

NOTES/COMMENTS:

- I OFTEN SEE PAIRS OR SMALL GROUPS (3-5) OF ADULTS (MOST OFTEN) AND BNS FLYING FROM
LEAD LAKE TO THE SOUTHERN END OF TULE LAKE (FEEDING GROUNDS?) THEN BACK TO
LEAD LAKE
I CAN HEAR ADULTS MAKING NOISES ON TULE - SEVERAL HUNDRED BIRDS.

0924 - 1 BNS FEEDING IN CANAL BEHIND ME - PECKING AT THE SURFACE AND PROBING APPROX. 1/2" INTO
WATER AND MUD TO FEED? INVERTS.?



Island To RD, 25m
" CAMPAL 45-50m



1988 Black-Necked Stilt Study
Data Sheet

Date: 13 June 1988

Time: Start 0608 Finish 0950

Location: CAMPGROUND / LEAD LAKE

Weather: High 40's, Sunny
Windy from S-SW, 5-15 mph
Blue Skies
0930 - Windy, 60's Sunny

Colony I.D.: A

Young in Brood: 1 2 3 4

NO YOUNG YET

TIME BUDGETS: (Activity/minute)

Pair/Nest I.D.: BS-1 / BS-2

BS-1 (0611) ON NEST INCUBATING

(0850) OFF NEST - ALARMED?

(0859) BACK ON NEST

(0950) STILL ON NEST

NO SWITCH

BS-2 (0610) ON NEST INCUBATING

(0844) OFF NEST

(0846) BACK ON NEST

~~(0846) OFF NEST - ALARMED? SWITCH~~

(0850) OFF NEST - ALARMED?

(0853) BACK ON NEST

(0909) MATE ARRIVES FROM? (1)

(0910) OPP. FLYS (N) (2)

(0950) STILL ON NEST

0909
0610

120
2.59
179 min.

Record any food items seen taken:

NOTES/COMMENTS:

BJS (0653) Feeding (pecking at insects on the surface of the water) in front of me on duke (peninsula).
Sample Site #1A

Site 1A)

depths - 6 1/2", 7", 8"

conductance - 4500

sweep surface 3-1m sweeps

(Describe

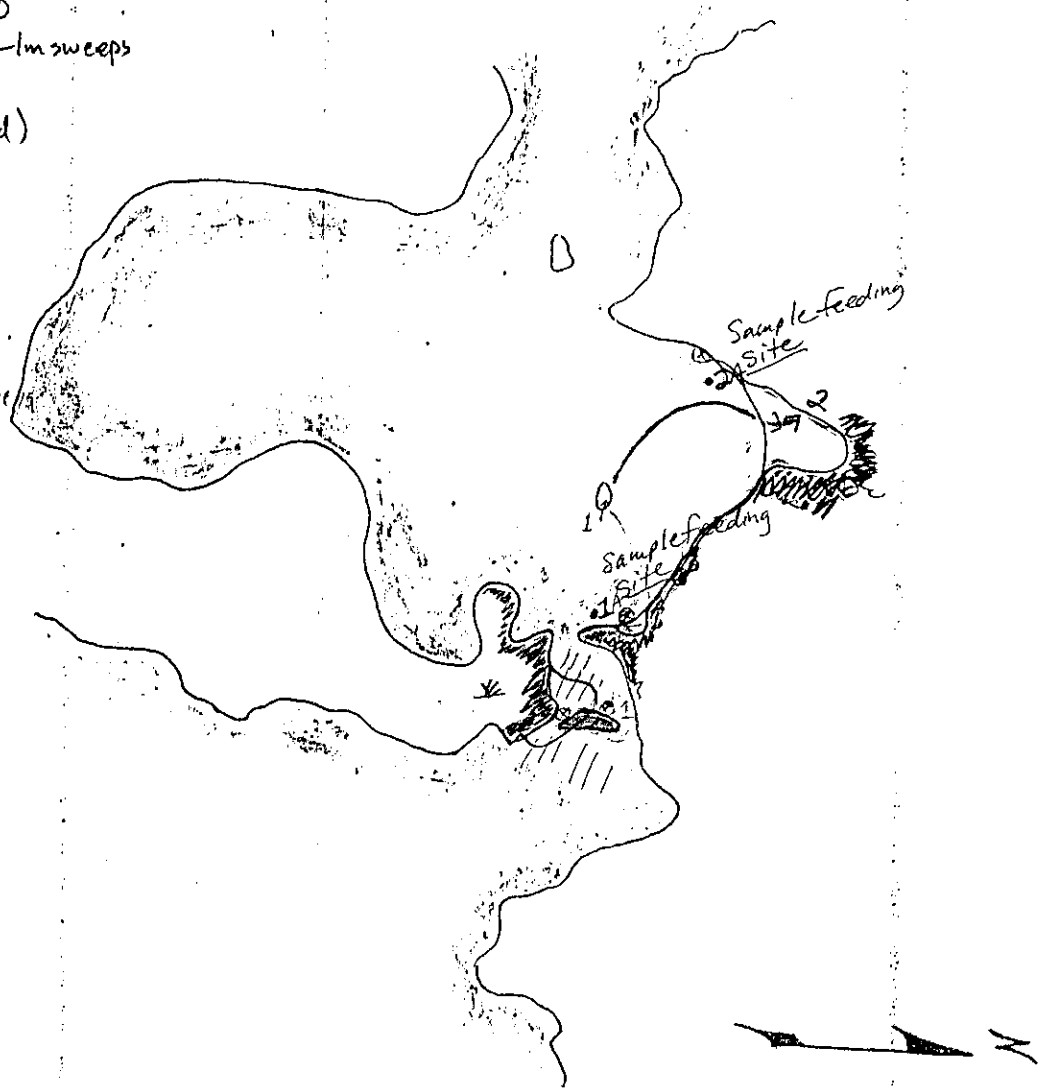
(Describe Method)

Site 2A)

depths 6, 6 1/2", 7 1/2"

conductance - 4500

sweep surface - 3-1m sweeps



⊙ - Areas stilts have been seen feeding

Site 1A) - Areas sampled (water depth, inverts, specific conductance)

Site 2A)

So on.....

1988 Black-Necked Stilt Study
Data Sheet

Date: June 14, 1988

Time: Start 0703 Finish 0900

Location: Corner of Lead Lake Road !!
& Navy Cabin Road

Weather: Sunny / Partly cloudy

low 50's, NO WIND.

0745 - warming up fast - low 60's

Colony I.D.: B

Young in Brood: 1 2 3 4

NO YOUNG YET.

TIME BUDGETS: (Activity/minute)

Pair/Nest I.D.: BS-3 & BS-4

BS-3

(0705) ON NEST INCUBATING

(0802) ALARMED BY CAR PASSING BY-OFF

(0803) FLEW TO CANAL - Feeding

(0805) BACK TO Colony - just in pool in front of island.

(0810) Feeding N-NW of colony on shoreline of nearby island.

(0812) BACK ON

(0815) MATE ARRIVES FROM E (1)

(0816) off. MATE FLY N. (2)

(0817) NEW mate on nest

(0900) STILL ON NEST

0817

0705

? 72 mins.

BS-4

(0705) ON NEST INCUBATING

(0802) ALARMED BY CAR PASSING BY-OFF

(0803) FLEW TO Canal feeding

(0805) FLEW back to colony - in pool in front of island.

(0810) BACK ON NEST

(0852) OFF NEST IN POOL IN FRONT OF IS

(0900) STILL OFF NEST

One mate - incubated \approx 2 hrs.

Record any food items seen taken:

NOTES/COMMENTS:

0715-A: BNS Flew to Canal behind me - feeding

Site 1B : 910

Water depths - 3, 3, 3 1/2"

Sp. Conductance - 6100

Sample method - Surface

Site 2B : 930

Water depths 3 1/2, 3, 2 3/4

Sp. Conductance - 5440

Sample method - Bottom/Surface

Note - Nest 1 or 2? still using area S of colony as their feeding area
See map.

