

2006

Duck Nest Forms

Units 2-6

MVNWK: (Duck) Nest FORM

Observer Dathe Date 6/12/06 Unit # 2 Transect # 73

FIRST VISIT

Species Mallard
 Nest # 102
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 # eggs _____
 Inc. stage _____
 # parasitic eggs _____

Dist. to standing H₂O _____ ft
about 100 yards

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

% 100%

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input checked="" type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	_____

Distance of Nest from center line (ft and inches)
2' from center line

FATE VISIT

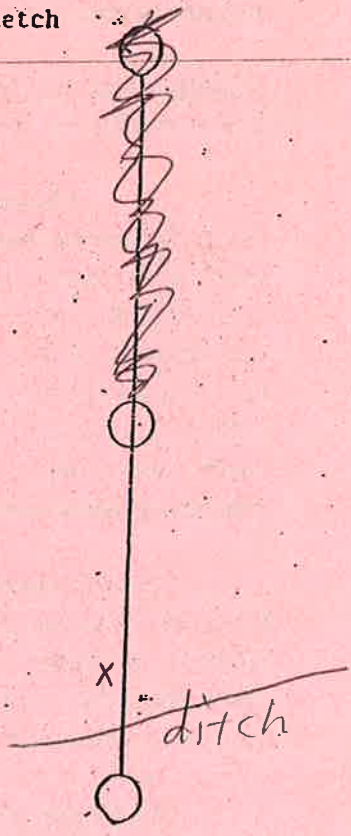
observer Dathe
 Date 6/12/06
 (check one)
 Hatch
 # egg hatch _____
 # egg remain _____
 Abandoned
 # egg remain _____
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes 3 eggs in nest, lots of down with aerial displacement, 1 feather 12" away from nest, The 3 eggs in nest have sides missing, 1 egg 2 1/2' away from nest w/ side & end missing, 1 egg 10' from nest w/ side & end missing, 3 eggs 20' from nest with 1 missing side and the other 2 side & end.

Location Sketch

Unit # 2
 Transect # 73
 Nest # _____ is located
25ft in North
 South
 of flag and
 ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # EGGS hatched	_____ Est. hatch date
_____ # EGGS remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

Observer Dean Lee Date 6/13/06 Unit # 3 Transect # 107

FIRST VISIT

Veg COVER TYPE at Nest

Species Unknown duck %
 Nest # ND-76
 Status. (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 # eggs
 Inc. stage
 # parasitic eggs

Dist. to standing H₂O 100ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

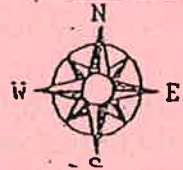
Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Distance of Nest from center line (ft And inches)
~ 20ft

Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

FATE VISIT

observer _____
 Date 1-1-
 (check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

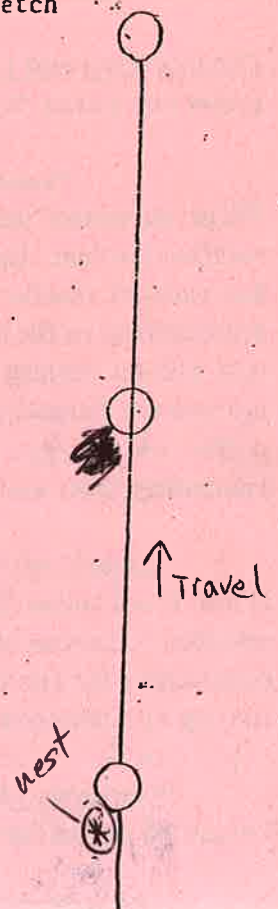


Notes - Nest off transect.

- All down is pulled out
- No eggs or shells
- Nest was open on one side

Location Sketch

Unit # 3
 Transect # 107
 Nest # ND76 is located
25ft in North
 South
 of flag and
~ 20ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

Observer D. Lee Date 6/13/06 Unit # 3 Transect # 101

FIRST VISIT

Species gadwall
 Nest # 76
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 # eggs _____
 Inc. stage _____
 # parasitic eggs _____

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

2%

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input checked="" type="checkbox"/> Wx	Weed species
<input checked="" type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	_____

Distance of Nest from center line (ft and inches)
6" west

FATE VISIT

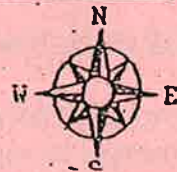
observer Lee
 Date 6/13/06

(check one)
 Hatch
3 egg hatch
0 egg remain

Abandoned
 # egg remain _____

Flooded

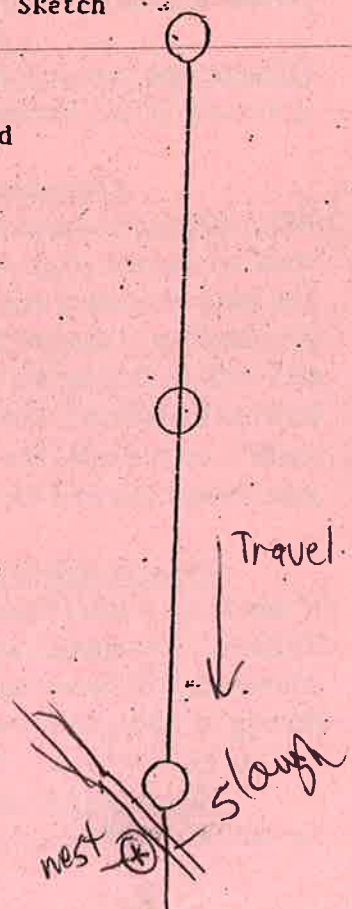
Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes 3- yng - no eggs
that I could tell

Location Sketch

Unit # 3
 Transect # 101
 Nest # 76 is located
 25ft in North
 South
 of flag and
0 ft 6 in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

= Scott Miller.

Observer SGM Date 6/15/06 Unit # 4 Transect # 121

FIRST VISIT

Species COOT
 Nest # ND128
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
11 # eggs
7 Inc. stage
 # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

%

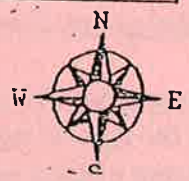
<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<u>50%</u> <input checked="" type="checkbox"/> Wx	Weed species
<u>50%</u> <input checked="" type="checkbox"/> Jba	Baltic rush <u>white top</u>
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input checked="" type="checkbox"/> Other	<u>water</u>

Distance of Nest from center line (ft And inches)

3 ft

FATE VISIT

observer _____
 Date 1-1-
 (check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



Notes Lots of open water
2-12" deep. Sparse
veg. 1/2 white top (dead)
and 1/2 Bullrush.

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
25 ft in North
 South
 of flag and
 _____ ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

FIRST VISIT

Species Teal Veg COVER TYPE at Nest % 95%

Nest # 5

Status (check one) well established

Active NEST Bowl

Hatched 1/2 flushed

Abandoned but no eggs

Destroyed yet

Hatching

0 # eggs

Inc. stage

parasitic eggs

Dist. to standing H₂O 0 ft 5%

Soil Surface (check one) AT Nest

Dry

Moist

Flooded 3"

Aerial Cover (check one)

A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Sx Willow

Sve Greasewood

Crx Rabbit brush

Dst Salt grass

Gx Grass species

MoF Sweetclover

Wx Weed species

Jba Baltic rush

Cx Sedge

Ex Spikerush

Tla Cattail

Sva Bullrush

Other CANE

Distance of Nest from center line (ft and inches) 17 W

FATE VISIT

observer Stone → See

Date 1-1-

(check one)

Hatch

0 # egg hatch

0 # egg remain

Abandoned

Flooded

Destroyed

Raven/magpie

Skunk

Raccoon

Coyote

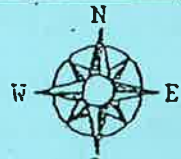
Unknown

Other

June Nest # 16

Believe they are the same Hen - same nesting effort.

I think this hen mated off her Nest + flushed @ an empty bowl + I thought that was her Nest. But based on June nest being so close, same species, and ready to hatch - believe same ♀.



Notes Furled flag:

Hen from nest "5" - the one flushed in May - was she really from June Nest 16 which is just 25 N w/ eggs ready to hatch?

Location Sketch

Unit # 6

Transect # 35

Nest # 5 is located 25ft in North South

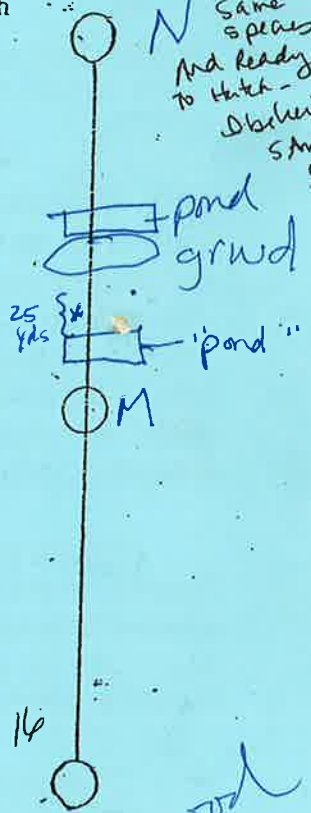
of flag and ft 17 in East West

of Transect line

Grazing Cell # _____

Paddock # _____

NOT TO SCALE



→ I think so, I found a Nest Bowl @ 17" - but it was less established looking.

So Nest 5 = Nest 16

ground = greasewood

Compute Mayfield	
Species ADD	Initiation date
# eggs hatched	Est. hatch date
# eggs remain	Exposure days
age when found	

MVNWR: (Duck) Nest Form

Observer Stone Date 5/16/06 Unit # 6 Transect # 33

FIRST VISIT

Species Teal Veg COVER TYPE at Nest %

Nest # ND 9

Status (check one)

Active

Hatched

Abandoned

Destroyed

Hatching

5 # eggs

Inc. stage _____

parasitic eggs _____

Dist. to standing H₂O _____ ft

Soil Surface (check one)

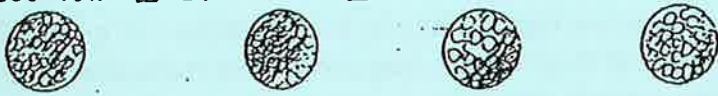
Dry AT Nest

Moist

Flooded

Aerial Cover (check one)

A. 100-75% B. 75-50% C. 50-25% D. 25-0%



Distance of Nest from center line (ft And inches) _____

Sx Willow

Sve Greasewood

Crx Rabbit brush

Dst Salt grass

Gx Grass species

MoF Sweetclover

Wx Weed species

Jba Baltic rush

Cx Sedge

Ex Spikerush

Tla Cattail

Sva Bullrush

Other _____

FATE VISIT

observer _____

Date / /

(check one)

Hatch

 # egg hatch

 # egg remain

Abandoned

Flooded

Destroyed

Raven/magpie

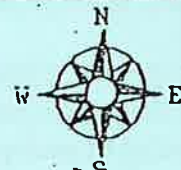
Skunk

Raccoon

Coyote

Unknown

Other _____



Notes _____

Location Sketch

Unit # _____

Transect # _____

Nest # _____ is located

25 ft in North

South

of flag and

 ft in East

West

of Transect line

Grazing Cell # _____

Paddock # _____



Compute Mayfield

_____ Species AOU _____ Initiation date

_____ # eggs hatched _____ Est. hatch date

_____ # eggs remain _____ Exposure days

_____ age when found

MVNWR: (Duck) Nest FORM

Observer Stone Date 5/16/06 Unit # 6 Transect # 35

FIRST VISIT

Species Mall
 Nest # ND 7
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
9 # eggs
 Inc. stage _____
 # parasitic eggs _____

Dist. to standing H₂O 4 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

% _____

Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of Nest from center line (ft and inches)
off line ~ 15 ft W

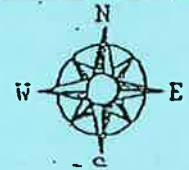
FATE VISIT

observer _____
 Date 1-1-

(check one)

Hatch
 _____ # egg hatch
 _____ # egg remain

Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes _____

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
25ft in North
 South
 of flag and
 _____ ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____

ND #8
 Snipe 4 eggs
 09 JABA (no ng)
 46735 N
 on-line

Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWR: (Duck) Nest FORM

Observer Stone

Date 5/1/06

Unit # 6

Transect # 35 N

FIRST VISIT

Veg COVER TYPE at Nest

Species Snipe

Nest # ND3

Status (check one)

Active

Hatched

Abandoned

Destroyed

Hatching

4 # eggs

___ Inc. stage

___ # parasitic eggs

Dist. to standing H₂O ___ ft

Soil Surface (check one)





Dry AT Nest

Moist

Flooded

Aerial Cover (check one)

A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Sx Willow

Svc Greasewood

Crx Rabbit brush

Dst Salt grass

Gx Grass species

MoF Sweetclover

Wx Weed species

Jba Baltic rush

Cx Sedge

Ex Spikerush

Tla Cattail

Sva Bullrush

Other _____

Distance of Nest from
center line (ft and inches)

ON line (0)

All old growth

FATE VISIT

observer _____

Date ___/___/___

(check one)

Hatch

___ # egg hatch

___ # egg remain

Abandoned

Flooded

Destroyed

Raven/magpie

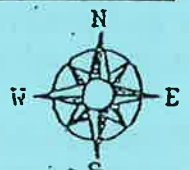
Skunk

Raccoon

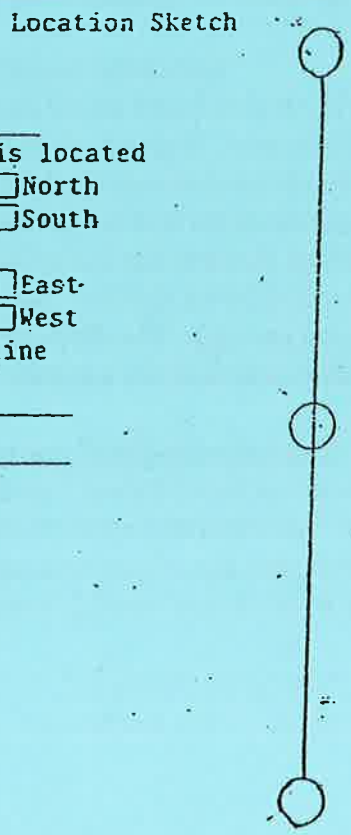
Coyote

Unknown

Other _____



Notes _____



Unit # _____

Transect # _____

Nest # _____ is located

25 ft in North

South

of flag and

 ft in East

West

of Transect line

Grazing Cell # _____

Paddock # _____

Compute Mayfield

___ Species ADU ___ Initiation date

___ # eggs hatched ___ Est. hatch date

___ # eggs remain ___ Exposure days

___ age when found

MVNWR: (Duck) Nest FORM

Observer Stone + Jackson Date 5/16/06 Unit # 6 Transect # 33N

FIRST VISIT

Species Modo
 Nest # ND4
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
2 # eggs
 Inc. stage _____
 # parasitic eggs _____

Dist. to standing H₂O _____ ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 %

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	_____

Distance of Nest from center line (ft and inches)

*CIAR 50
LEIA 50*

FATE VISIT

observer _____
 Date ___/___/___

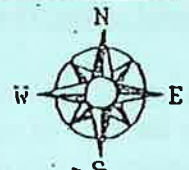
(check one)

Hatch
 ___ # egg hatch
 ___ # egg remain

Abandoned

Flooded

Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes _____

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
 25ft in North
 South
 of flag and
 ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWR: (Duck) Nest FORM

Observer Steve Date 5/16/06 Unit # 6 Transect # 33 M

FIRST VISIT

Veg COVER TYPE at Nest

Species Snyper
 Nest # ND5
 Status. (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
3 # eggs
 Inc. stage
 # parasitic eggs

Dist. to standing H₂O ___ ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 1"

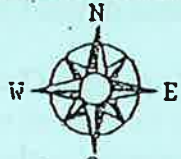
Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Distance of Nest from center line (ft and inches)

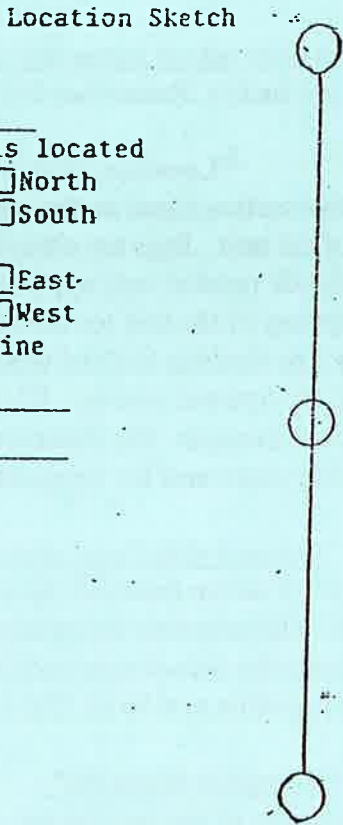
Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other

FATE VISIT

observer
 Date ___/___/___
 (check one)
 Hatch
 ___ # egg hatch.
 ___ # egg remain
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



Notes _____



Unit # _____
 Transect # _____
 Nest # _____ is located
25ft in North
 South
 of flag and
 _____ ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____

Compute Mayfield

Species ADU _____ Initiation date _____
 # eggs hatched _____ Est. hatch date _____
 # eggs remain _____ Exposure days _____
 age when found _____

MVNWK: (DUCK) NEST FORM

off-line
check in July

Observer Stone Date 6/13/06 Unit # 6 Transect # 35

FIRST VISIT

Species Gadw
 Rest # ND17
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
5 # eggs
 Inc. stage
 ___ # parasitic eggs
 Dist. to standing H₂O 0 ft
 Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 1"
 Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 % 100%

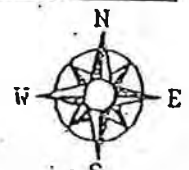
<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input checked="" type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	_____

Distance of Nest from
center line (ft and inches)
5 1/4 paces TO East

FATE VISIT

observer _____
 Date 1-1-
 (check one)
 Hatch
 ___ # egg hatch
 ___ # egg remain
 Abandoned
 ___ # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

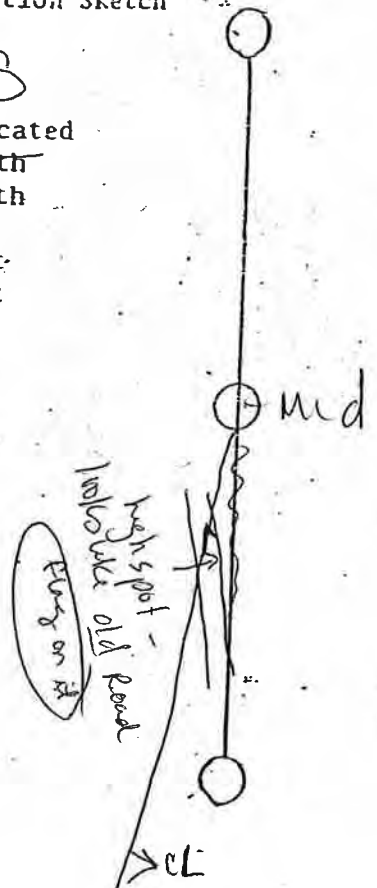
laying?
Some down
but eggs
cool damp
Hatched



Notes 5 1/4 paces TO E of
flag

Location Sketch

Unit # 6
 Transect # 35S
 Nest # ND17 is located
25ft in North South
 of flag and 5 1/4 paces in East West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

Observer Stone Date 1/13/06 Unit # 6 Transect # 335

FIRST VISIT

Species NOPI Nest 13 Status (check one)

Active
 Hatched
 Abandoned
 Destroyed
 Hatching

eggs 3
 Inc. stage
 # parasitic eggs _____

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 3"

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input checked="" type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input checked="" type="checkbox"/> Other	<u>WLA</u>

Distance of Nest from center line (ft And inches)
18 inches East

FATE VISIT

observer _____
 Date 1-1-

(check one)

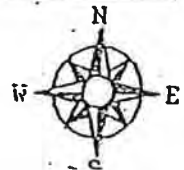
Hatch
 # egg hatch _____
 # egg remain _____

Abandoned
 # egg remain _____

Flooded

Destroyed

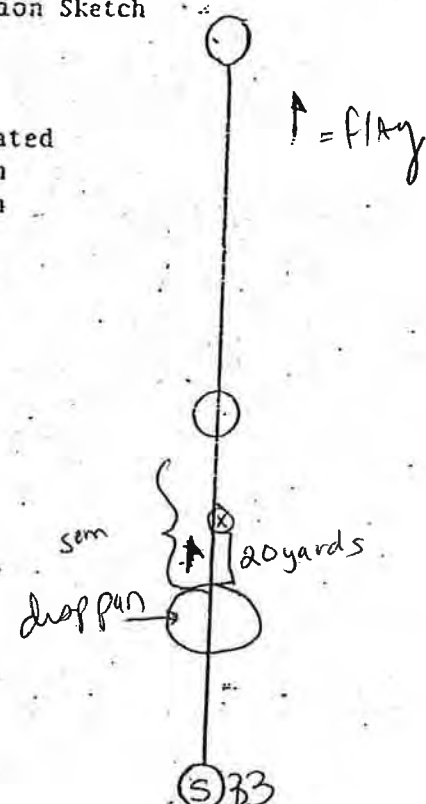
Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes Nest in only 1 WLA
in area, whole area
to 9970 yuba + nest
in yuba w/ stacks
of kg + og WLA

Location Sketch

Unit # 6
 Transect # 33
 Nest # 13 is located
25ft in North
 South
 of flag and
ft 18 in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



NOT TO SCALE
 Relative to mid pole
 To mid pole

Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

Observer Stone Date 6/13/06 Unit # 6 Transect # 33

FIRST VISIT

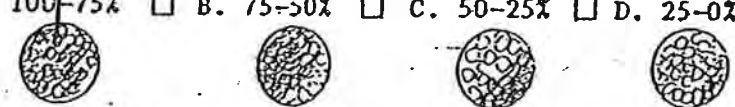
Species NOSH
 Nest # 15
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
9 # eggs
8 Inc. stage
0 # parasitic eggs
 Dist. to standing H₂O 0 ft

Veg COVER TYPE at Nest
 % 100%
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Soil Surface (check one) AT Nest
 Dry
 Moist
 Flooded 2" underneath

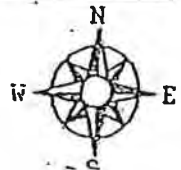
Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Distance of Nest from center line (ft and inches)



FATE VISIT

observer _____
 Date 1-1-
 (check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



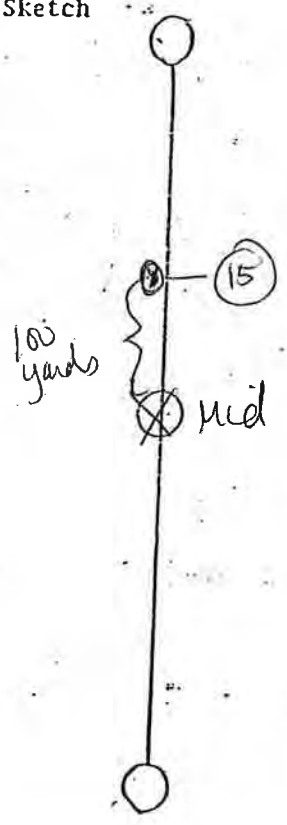
Notes * Only have birds

N. pole so w/ just 2
Not exact same I'm on
EXACT C.L. I'm using
line I was on. use
Flag @ as C.L.

Nest really concealed

Location Sketch

Unit # 6
 Transect # 33
 Nest # 15 is located
25ft in North
 South
 of flag and
4 ft 0 in in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

Off-line Recheck

Observer Stone Date 6/13/06 Unit # 6 Transect # 35S

FIRST VISIT

Species Godw
 Nest # ND 16
 Status (check one)
 Active *hen flushed*
 Hatched
 Abandoned
 Destroyed
 Hatching
2 # eggs *Wet, no down*
 ___ Inc. stage
 ___ # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry *AT Nest*
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

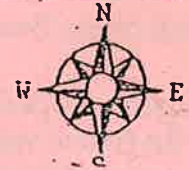
Veg COVER TYPE at Nest
 % 98
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other leA

Distance of Nest from center line (ft and inches)
4 paces to E

FATE VISIT

observer Stone
 Date 7/12/06
 (check one)
 Hatch
 ___ # egg hatch
 ___ # egg remain
 Abandoned
 ___ # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other

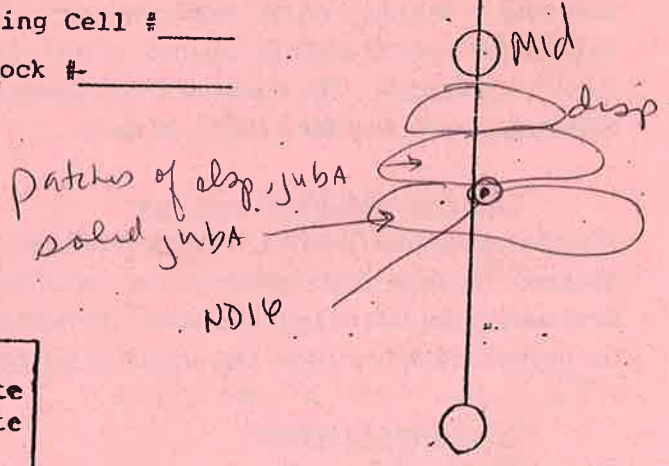
5 Dep. rtd eggs
2 Remains
H₂O under Bowl = SATURATED But 1 ft away is 2" H₂O



Notes At edge of (N) subA SW
 Nest ~ 10 yards to East
 Marked

Location Sketch

Unit # 6
 Transect # 35
 Nest # ND16 is located
 25ft in North
 South
 of flag and East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

Species ADU	Initiation date
# eggs hatched	Est. hatch date
# eggs remain	Exposure days
age when found	

MVNWK: (Duck) Nest FORM

Observer Stone Date 6/13/06 Unit # 6 Transect 37 S

Wilson Phalarope

FIRST VISIT

Species Snipe *OR Wipt* Veg COVER TYPE at Nest

Nest # ND18 Shorebird, *Tan w/ brown spots in clump of juba*

Status (check one)

Active

Hatched

Abandoned *after seeing more snipe nests - eggs after 13 June - I believe this was wipt*

Destroyed

Hatching

12 # eggs

Inc. stage eggs

parasitic eggs 0

Dist. to standing H₂O ft

Soil Surface (check one)

Dry AT Nest

Moist

Flooded

Aerial Cover (check one)

A. 100-75% B. 75-50% C. 50-25% D. 25-0%

ON Line

Sx Willow

Sve Greasewood

Crx Rabbit brush

Dst Salt grass

Gx Grass species

MoF Sweetclover

Wx Weed species

Jba Baltic rush

Cx Sedge

Ex Spikerush

Tla Cattail

Sva Bullrush

Other

FATE VISIT

observer

Date / / -

(check one)

Hatch

 # egg hatch

 # egg remain

Abandoned

 # egg remain

Flooded

Destroyed

Raven/magpie

Skunk

Raccoon

Coyote

Unknown

Other



Notes Do Snipe Nest

dump?

12 eggs 10 in bowl

And 2 outside of bowl

No adult flushed

eggs cool

Location Sketch

Unit #

Transect #

Nest # is located

25ft in North

South

of flag and

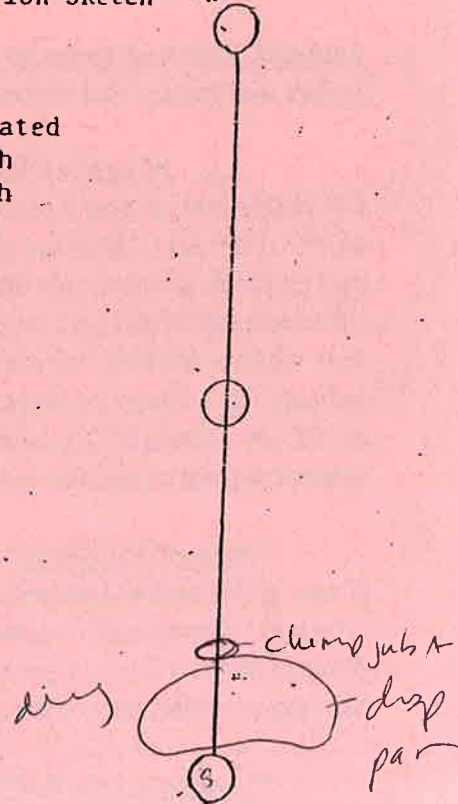
 ft in East

West

of Transect line

Grazing Cell #

Paddock #



Compute Mayfield

 Species ADU Initiation date

 # eggs hatched Est. hatch date

 # eggs remain Exposure days

 age when found

MVNWK: (Duck) Nest Form

Observer Stone Date 6/13/06 Unit # 6 Transect # 35N

FIRST VISIT

Species cit/bute
 Nest # 16
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
9 # eggs
21 Inc. stage Down
 # parasitic eggs _____

Veg COVER TYPE at Nest
 % _____
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other CANE

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 2"-2.5"

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Distance of Nest from center line (ft and inches)
90 ft 4" W

FATE VISIT

observer Stone
 Date 7/12/06
 (check one)
 Hatch
 # egg hatch _____
 # egg remain _____
 Abandoned
 # egg remain _____
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

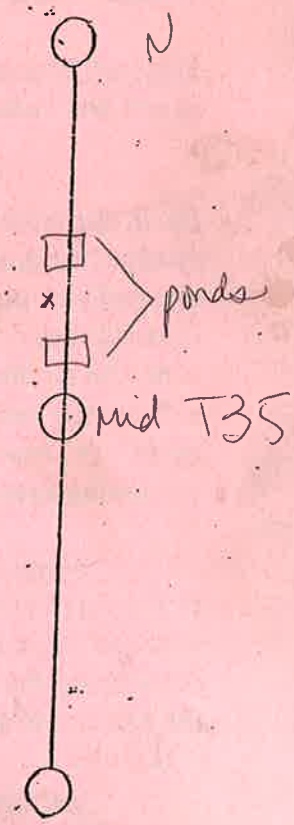
19 June 06
 Stone -
 9 eggs
 Active
 ♀ present
 1.5"
 h20 @
 NEST
 12 July 06



Notes: This Nest is just W of the flag marking MAY NEST #5
I just left flag marking nest 5 - so nest 16 is just 1 ft W of that flag. Nest eggs down ready to hatch

Location Sketch

Unit # 6
 Transect # 35
 Nest # 16 is located 25ft in North South
4 ft 6 in East West of flag and of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield	
Species AOU	Initiation date
# eggs hatched	Est. hatch date
# eggs remain	Exposure days
age when found	

Found original flag - 2 flags, buried + 1st
 Put new flag 25 ft S of Nest - flag isn't in line but S. of Nest
 * 19 June 06. I couldn't find flag. So but found empty nest #5. Then walked N and found 16. - 16 still active!

MVNWK: (Duck) Nest FORM

Observer Stone Date 6/13/06 Unit # 6 Transect # 33

FIRST VISIT

Species NOSH
 Nest # 15
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
9 # eggs
2 Inc. stage
0 # parasitic eggs
 Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 2" underneath

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

% 100%

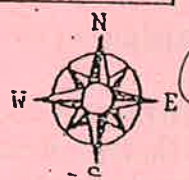
<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input checked="" type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	

Distance of Nest from center line (ft And inches)
5' 8" (W)

FATE VISIT

observer Stone
 Date 7/17/06
 (check one)
 Hatch
5 # egg hatch
0 # egg remain
 Abandoned
0 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other

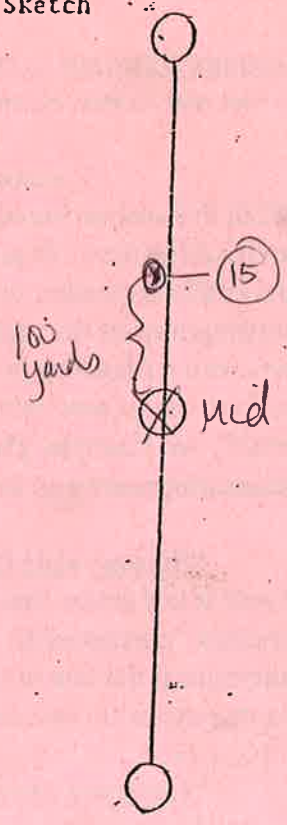
Found 5 dep eggs
1/2" H₂O under nest
 water under veg in Area
 Care in Area.



Notes * Only have ridge
N. pole so w/ just 2
Not exact sure I'm on
EXACT C.L. I'm using
line I was on use
Flag @ as C.L.
Nest Really concealed

Location Sketch

Unit # 6
 Transect # 33
 Nest # 15 is located
25ft in North
 South
4 ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____	Species ADD	_____	Initiation date
_____	# EGGS hatched	_____	Est. hatch date
_____	# EGGS remain	_____	Exposure days
_____	age when found		

MVNWK: (Duck) Nest FORM

Observer Stone Date 6/13/06 Unit # 6 Transect # 33

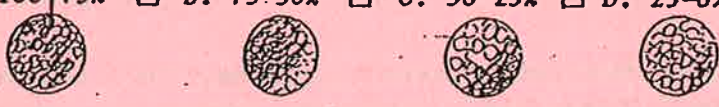
FIRST VISIT

Species MALL
 Nest # 14
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
7 # eggs
4 Inc. stage DOWN
 # parasitic eggs

Veg COVER TYPE at Nest
 % 95 100
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other

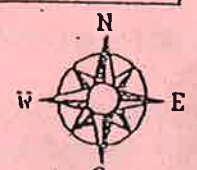
Dist. to standing H₂O 0 ft
 Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 3"
 Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Distance of Nest from center line (ft and inches)
77 W



FATE VISIT

observer STONE
 Date 7/17/06
 (check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other

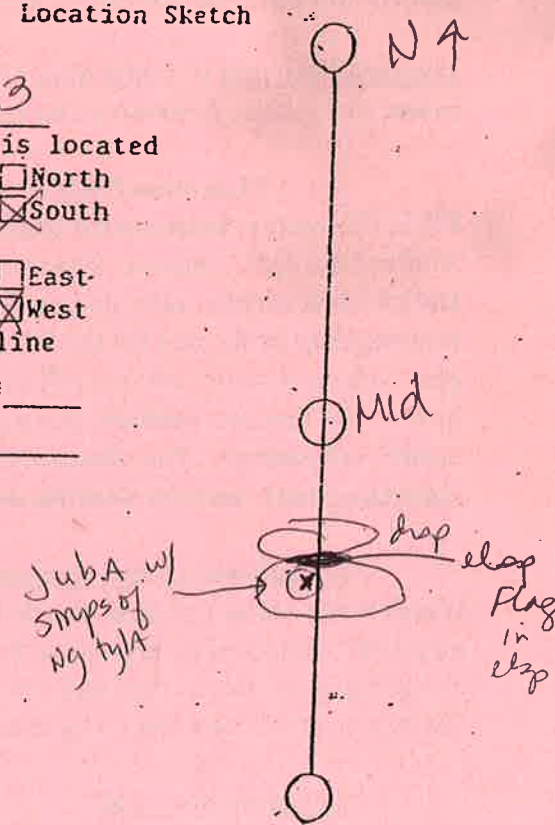


Notes Nest covered @ Juba
But stalks of Ng TLA
w/in 2ft.

Nest ~ 100-150 yds
S of mid pole

Location Sketch

Unit # 6
 Transect # 33
 Nest # 14 is located
25ft in North
 South
 of flag and
7ft 7 in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

Observer Stone Date 7/13/06 Unit # 6 Transect # 335

FIRST VISIT

Veg COVER TYPE at Nest

Species NOPI Nest # 13 NOT Mallard TOO SMALL - NOT Teal either gooder NOPI? long narrow

Status (check one)

- Active
- Hatched
- Abandoned
- Destroyed
- Hatching

eggs 3
 Inc. stage 1
 # parasitic eggs _____

Dist. to standing H₂O 0 ft

Soil Surface (check one)

- Dry AT Nest
- Moist
- Flooded 3"

Aerial Cover (check one)

- A. 100-75%
- B. 75-50%
- C. 50-25%
- D. 25-0%

Distance of Nest from center line (ft and inches)
18 inches East

Veg COVER TYPE at Nest

- Sx Willow
- Sve Greasewood
- Crx Rabbit brush
- Dst Salt grass
- Gx Grass species
- MoF Sweetclover
- Wx Weed species
- Jba Baltic rush
- Cx Sedge
- Ex Spikerush
- Tla Cattail
- Sva Bullrush
- Other WIA

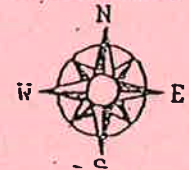
FATE VISIT

observer STONE
 Date 7/12/06

(check one)

- Hatch
- # egg hatch _____
- # egg remain _____
- Abandoned
- # egg remain _____
- Flooded
- Destroyed
- Raven/magpie
- Skunk
- Raccoon
- Coyote
- Unknown
- Other _____

Min of 5 eggs
 H₂O at Nest = 1" in area = 2"



Notes Nest in only WIA in area, whole area to 99% WIA + NEST in WIA w/ STALKS of Rg + veg WIA.

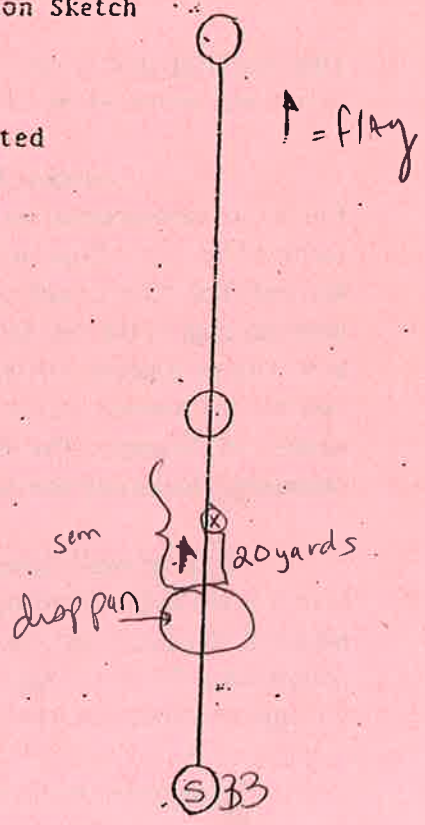
Location Sketch

Unit # 6
 Transect # 33
 Nest # 13 is located 25ft in North South

of flag and ft 18 in East West

of Transect line

Grazing Cell # _____
 Paddock # _____



NOT TO SCALE
 Relative to mid pole

Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # EGGS hatched	_____ Est. hatch date
_____ # EGGS remain	_____ Exposure days
_____ age when found	

MVNWR: (Duck) Nest Form

Observer Stone Date 6/13/06 Unit # 6 Transect # 29N

FIRST VISIT

Species Mall (90% sure) Nest # 17

Status (check one)

Active
 Hatched
 Abandoned
 Destroyed
 Hatching

eggs _____
 Inc. stage DOWN
 # parasitic eggs _____

Dist. to standing H₂O 0 ft

Soil Surface (check one)

Dry AT Nest
 Moist
 Flooded 2"

Aerial Cover (check one) NW But Bowl destroyed

A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other UA

Distance of Nest from center line (ft and inches)

90 ft 3 E

FATE VISIT

observer Stone
 Date 6/13/06

(check one)

Hatch
 # egg hatch _____
 # egg remain _____

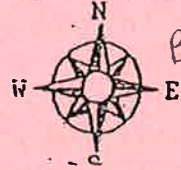
Abandoned
 # egg remain _____

Flooded

Destroyed

Raven/magpie
 Skunk
 Raccoon SM
 Coyote
 Unknown
 Other _____

Dont know - mammal has been here - scat + Bowl torn apart



Notes

looks like heri was or could have been killed - see tail feathers - but no other parts of carcass - could just be Bowl torn apart + 1-2 tail feathers in with down - Bowl + area torn apart.

But this transect wasn't walked in May 06 - I assume this is a old nest - but its old - hasn't been active for weeks - (April 2) while

Also looks like it could have been loafing platform -

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
 25ft in North South
 of flag and ft in East West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Scat - mammal on platform

Nest - found + better Bowl

Compute Mayfield

Species ADU _____ Initiation date _____
 # eggs hatched _____ Est. hatch date _____
 # eggs remain _____ Exposure days _____
 age when found _____

MVNWK: (Duck) Nest FORM

off-line
check in July

Observer Stone Date 6/13/06 Unit # 6 Transect # 35

FIRST VISIT

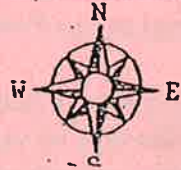
Species Gadw
Nest # ND17
Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
5 # eggs
 Inc. stage
 ___ # parasitic eggs
 Dist. to standing H₂O 0 ft
 Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 1"
 Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%
 Veg COVER TYPE at Nest
 % 100%
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____
 Distance of Nest from center line (ft And inches)
5 1/4 paces TO East

FATE VISIT

observer Stone
Date 7/12/06
(check one)
 Hatch
 ___ # egg hatch
 ___ # egg remain
 Abandoned
 ___ # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other Small Mammal

laying?
Some down?
But eggs
cool damp
Hatched

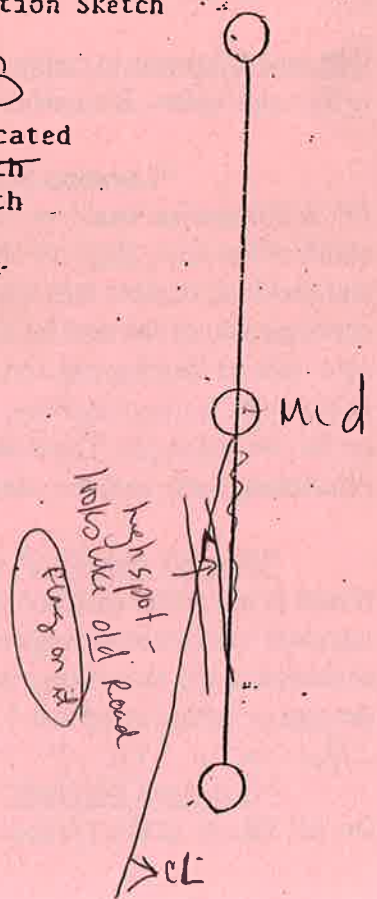
Found
5 eggs -
Scattered
H₂O
around
Bowl =
1"



Notes 5 1/4 paces TO E of
flag
12 July 06
- Nest bowl disturbed,
4 eggs scattered w/in
2 foot radius of nest.
1 egg 20 yards away
on old road

Location Sketch

Unit # 6
Transect # 35 S
Nest # ND17 is located
25ft in North South
of flag and
5 1/4 paces in East West
of Transect line
Grazing Cell # _____
Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest Form

Observer Stone Date 6/19/06 Unit # 6 Transect # 35 N

FIRST VISIT

Species Hull GadW %

Nest # ~~22~~ 23

Status (check one)

Active
 Hatched
 Abandoned
 Destroyed
 Hatching

6 # eggs down
17 Inc. stage
 # parasitic eggs

Dist. to standing H₂O 25ft
"Pond" to immediate N

Soil Surface (check one)

Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)

A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other leaf

Distance of Nest from center line (ft and inches)

22" N

FATE VISIT

observer STONE

Date 6/12/06

(check one)

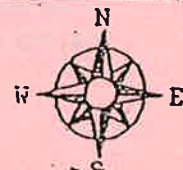
Hatch
4 # egg hatch
2 # egg remain

Abandoned
 # egg remain

Flooded

Destroyed

Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



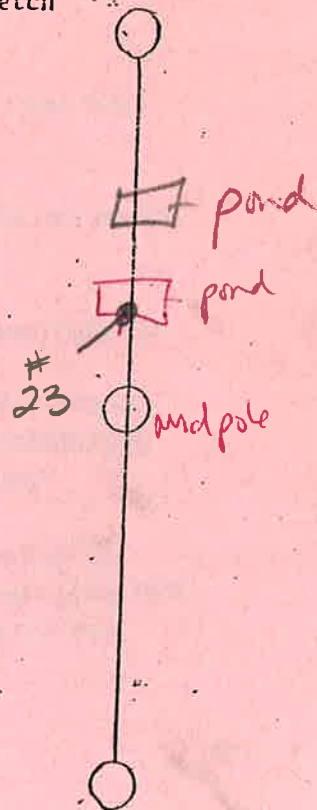
Notes On S edge of
most S. pond that
is 1st northern pond
from mid-pole.

Hen did not flush

found while checking
fate of 14

Location Sketch

Unit #
 Transect #
 Nest # is located
25ft in North
 South
 of flag and
 ft in East
 West
 of Transect line
 Grazing Cell #
 Paddock #



Compute Mayfield

 Species ADU Initiation date
 # eggs hatched Est. hatch date
 # eggs remain Exposure days
 age when found

Duck Nest Forms

Unit 9

MVNWR: (Duck) Nest FORM

Observer Stone Date 5/15/04 Unit # 9 Transect # 107 M

FIRST VISIT

Species Teal
 Nest # _____
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 _____ # eggs
 _____ Inc. stage
 _____ # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 2"

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

100%
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

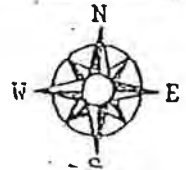
Distance of Nest from center line (ft and inches)
6 9 W

Hard to determine since hatched

FATE VISIT

observer _____
 Date 5/15/04
 (check one)
 Hatch
5 # egg hatch
~~0~~ # egg remain
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

Min. of 5

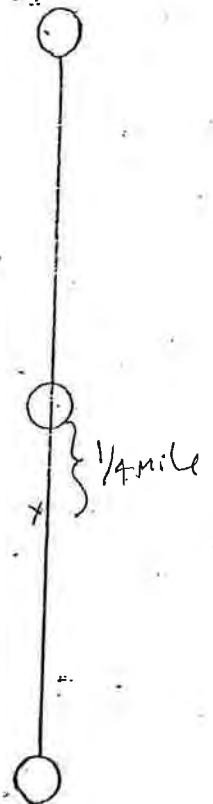


Notes

photocopies of field forms.
 (In case originals lost during fate check)

Location Sketch

_____ located
 North
 South
 _____ east
 _____ west
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU
 _____ # EGGS hatched
 _____ # EGGS remain
 _____ age when found

_____ Initiation date
 _____ Est. hatch date
 _____ Exposure days

MVNWR: (Duck) Nest FORM

Observer Stone Date 5/15/06 Unit # 9 Transect # 107 S

FIRST VISIT

Species Unknown *Half 80% sure*
 Nest # 2
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 # eggs _____
 Inc. stage _____
 # parasitic eggs _____
 Dist. to standing H₂O 0 ft
 Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 2.5 inches
 Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%
 Veg COVER TYPE at Nest
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____
 Distance of Nest from center line (ft And inches)
6 ft

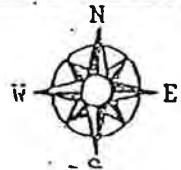
FATE VISIT

observer _____
 Date 5/15/06
 (check one)
 Hatch
 # egg hatch _____
 # egg remain _____
 Abandoned
 Flooded
 Destroyed unknown
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

Down precip

NA Bay pulled into open for Juba

Small mammal? Bowl pulled out



Notes _____

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
25 ft in North South
 of flag and
 _____ ft in East West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU _____ Initiation date
 _____ # eggs hatched _____ Est. hatch date
 _____ # eggs remain _____ Exposure days
 _____ age when found

MVNWR: (Duck) Nest Form

Observer Stone Date 5/15/06 Unit # 9 Transect # 105 ~~17~~ N

FIRST VISIT

Species MAI
 Nest # 3
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 # eggs 95
 Inc. stage _____
 # parasitic eggs _____

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

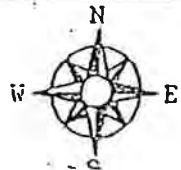
Veg COVER TYPE at Nest
 % _____
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other WETA

Distance of Nest from center line (ft and inches)
5 ft

currently

FATE VISIT

observer _____
 Date 5/15/06
 (check one)
 Hatch
 # egg hatch _____
 # egg remain _____
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes _____

 Nest bowl is under ~1" water but eggs are depredated as well.
 I don't know which happened first - however I believe this H₂O in here is newly applied since Empire canal came on.

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
 25ft in North South
 of flag and _____
 ft in East West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWR: (Duck) Nest FORM

Observer Stone Date 5/15/06 Unit # 9 Transect # 105 ~~17~~ N

FIRST VISIT

Species MAH
 Nest # 3
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
6 # eggs
 ___ Inc. stage
 ___ # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

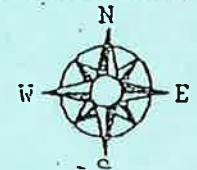
Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other WLA

Veg COVER TYPE at Nest
 % 95
 Distance of Nest from center line (ft and inches) 5 ft

FATE VISIT

observer
 Date 5/15/06
 (check one)
 Hatch
 ___ # egg hatch
 ___ # egg remain
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



Notes

Nest Bowl is under ~1" water But eggs are depredated as well.

I don't know which happened first - however I believe this H₂O in here - is newly applied since Empire Canal came on.

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
25 ft in North
 South
 of flag and
 _____ ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield	
Species ADU	Initiation date
# eggs hatched	Est. hatch date
# eggs remain	Exposure days
age when found	

MVNWR: (Duck) Nest FORM

Observer Stone Date 5/15/06 Unit # 9 Transect # 107 M

FIRST VISIT

Species Teal
 Nest # _____
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 # eggs _____
 Inc. stage _____
 # parasitic eggs _____

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 2"

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

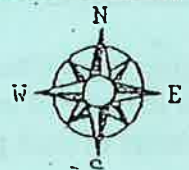
Veg COVER TYPE at Nest
 % _____

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input checked="" type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	_____

Distance of Nest from center line (ft and inches)
6' 9" W
81"
 Hard to determine since hatched

FATE VISIT

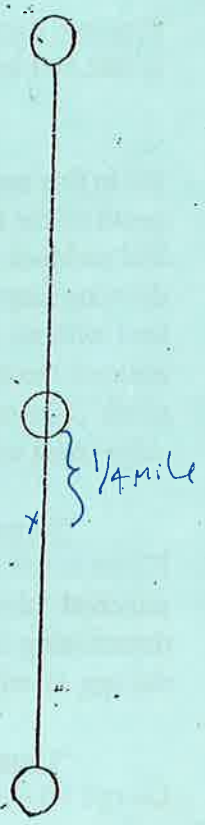
observer _____
 Date 5/15/06
 (check one)
 Hatch
5 # egg hatch
0 # egg remain
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes _____

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
25 ft in North
 South
 of flag and
 _____ ft in East
 West



28 June 06
May + June nests
Fate complete

MVNWR: (Duck) Nest Form

Observer Stone Date 5/15/06 Unit # 9 Transect # 1055

FIRST VISIT

Species Mall
 Nest # ND 2
 Status (check one)
 Active laying
 Hatched
 Abandoned
 Destroyed
 Hatching
4 # eggs no down
 Inc. stage
 # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 3"

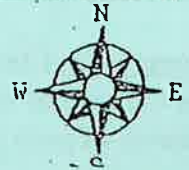
Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 % 100
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other

Distance of Nest from center line (ft and inches)
9 (E) sm flagging active nest

FATE VISIT

observer
 Date 1-1-
 (check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



Notes _____

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
25 ft in North
 South
 of flag and
 ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

Species ADU _____ Initiation date _____
 # eggs hatched _____ Est. hatch date _____
 # eggs remain _____ Exposure days _____
 age when found _____

MVNWR: (Duck) Nest FORM

Observer Stone Date 5/17/06 Unit # 9 Transect # 1075

FIRST VISIT

Species NOHA
 Nest # ND1
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 + # eggs
 — Inc. stage
 — # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 3-5"

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 %

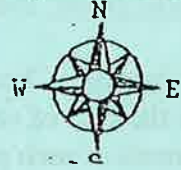
<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input checked="" type="checkbox"/> T1a	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	

Distance of Nest from center line (ft and inches)
100 ft 6 ft to East

FATE VISIT

observer _____
 Date / /

(check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



Notes _____

Unit # _____
 Transect # _____
 Nest # _____ is located
 _____ in North

12 June 2006 →

28 June 06

2006
Non duck or
off line duck
NESTS

ND Nests
~~late determined~~
~~of non duck~~



Compute

Species ADU	Initiation date
# eggs hatched	Est. hatch date
# eggs remain	Exposure days
age when found	

MVNWK: (Duck) Nest FORM

ND

check in June

Observer Stone Date 5/19/06 Unit # 9 Transect # 955

FIRST VISIT

Species Mall Nest # ND 11

Status (check one)

Active some down

Hatched

Abandoned

Destroyed

Hatching

2 # eggs

0 Inc. stage

0 # parasitic eggs

Dist. to standing H₂O 0 ft 80

Soil Surface (check one)

Dry AT Nest

Moist

Flooded 1"

Aerial Cover (check one)

A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

% 20

Sx Willow

Sve Greasewood

Crx Rabbit brush

Dst Salt grass

Gx Grass species

MoF Sweetclover

Wx Weed species

Jba Baltic rush

Cx Sedge

Ex Spikerush

Tla Cattail

Sva Bullrush

Other leA

Distance of Nest from center line (ft and inches)

20 yds E

FATE VISIT

observer _____

Date 1-1-

(check one)

Hatch

0 # egg hatch

0 # egg remain

Abandoned

Flooded

Destroyed

Raven/magpie

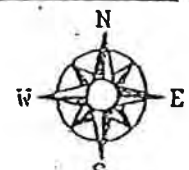
Skunk

Raccoon

Coyote

Unknown

Other _____



Notes Similar habitat

ND ND 10:

island of tall overhead

veg leA w/ veg juba

Location Sketch

Unit # _____

Transect # _____

Nest # _____ is located

25 ft in North South

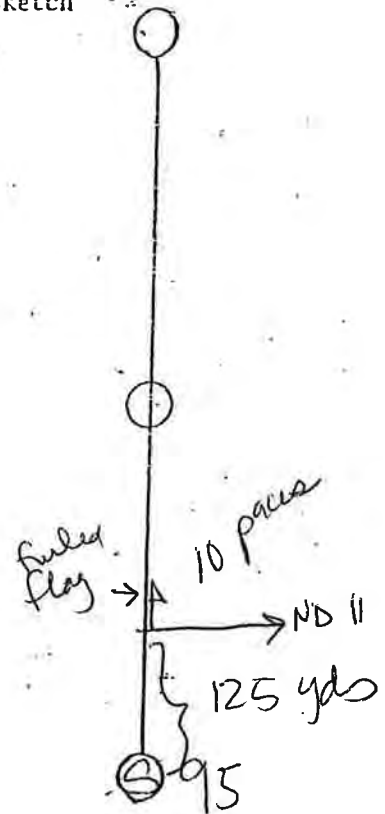
of flag and _____

ft in East West

of Transect line

Grazing Cell # _____

Paddock # _____



Compute Mayfield

Species ADU _____

eggs hatched _____

eggs remain _____

age when found _____

Initiation date _____

Est. hatch date _____

Exposure days _____

MVNWR: (Duck) Nest FORM

OFF line
Check in June

Observer Stone Date 5/19/06 Unit # 9 Transect # 95 M

FIRST VISIT

Species Mall
Nest # ND10
Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
4 # eggs
0 Inc. stage fresh
1 # parasitic eggs

Dist. to standing H₂O 0 ft 95

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 %
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other LEIA

Distance of Nest from center line (ft and inches)
135 ft 5 in

Surrounded by H₂O @ 2 in

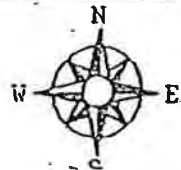
some down but believe laying

FATE VISIT

observer _____
Date 1/1

(check one)
 Hatch
 # egg hatch _____
 # egg remain _____

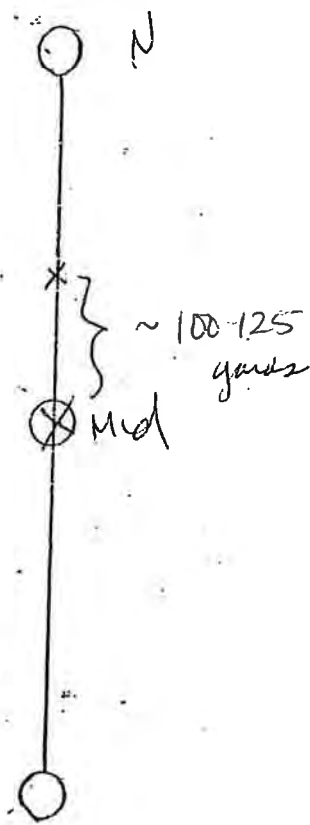
Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes Nest in small (4x4) clump island of veg subA + LEIA
Nest has 3 ft og LEIA over it

Location Sketch

Unit # 9 Transect # 95
 Nest # ND10 is located 25 ft in North South
13 ft in East West
 of flag and of Transect line
 Grazing Cell # _____
 Paddock # _____



*Marked for recheck in June

flag buried

Compute Mayfield

Species ADU	Initiation date
# eggs hatched	Est. hatch date
# eggs remain	Exposure days
age when found	

Observer Stone

Date 5/19/06 Unit # 9 Transect # 89 N

UNCLIP IN JULY

FIRST VISIT

Species Bute/cute
 Rest # 7
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
6 # eggs
 Inc. stage fresh (laying?)
 # parasitic eggs _____

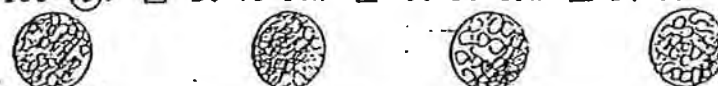
Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 13" 8" on June 15, 06

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 % 100%
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of nest from center line (ft and inches)
2' W

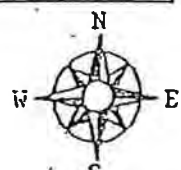


FATE VISIT

observer Stone
 Date 6/15/06 see notes

(check one)
 Hatch
 # egg hatch _____
 # egg remain _____

Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes Nest in clump of young juba
substantiated by H₂O

15 June 06 → Searched & searched for nest
 But found 0 evidence.

Stone Vegetation has grown a lot since May.

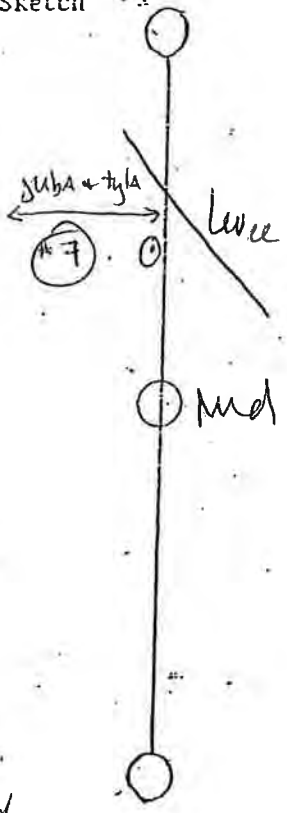
Area has no pockets & juba clumps - I searched all juba clumps and nothing. No down, no eggs, no egg shell fragments.

Assume it was destroyed - eggs carried away by cowbird?
 no flushed her.

Location Sketch

Unit # 9
 Transect # 89
 Nest # 7 is located
25ft in North
 South
2ft in East
 West
 of Transect line

Grazing Cell # _____
 Paddock # _____



Flag furled

left flag to check in July but 95% sure in in right place & west is destroyed. Odd

Compute Mayfield	
Species ADU	Initiation date
# eggs hatched	Est. hatch date
# eggs remain	Exposure days
age when found	

May 2003

Check in July

FIRST VISIT

Species Bute/cate
 Nest # 7
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
6 # eggs
6 Inc. stage fresh (laying?)
 # parasitic eggs _____

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 13"

Aerial Cover (check one)
 A. 100-75%
 B. 75-50%
 C. 50-25%
 D. 25-0%

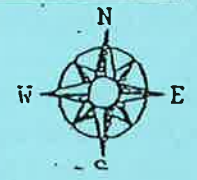
Veg COVER TYPE at Nest
 % 100%
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of Nest from center line (ft and inches)
2' W
8" on June 15, 06

FATE VISIT

observer Stone
 Date 6/15/06

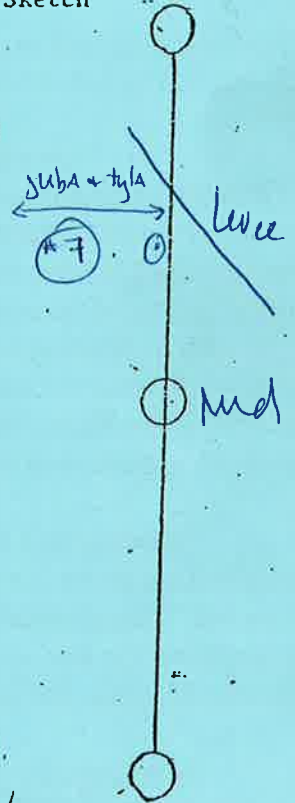
(check one)
 Hatch
 # egg hatch _____
 # egg remain _____
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes Nest in clump of young Juba
submerged by H₂O
15 June 06
Stone
 → Searched & searched for nest but found no evidence.
 Vegetation has grown a lot since May.
 Area has no pockets of Juba clumps - searched all Juba clumps and nothing. No down, no eggs, no egg shell fragments.
 Assume it was destroyed - eggs carried away by cowbird?
 NO flushed hen.

Location Sketch

Unit # 9
 Transect # 89
 Nest # 7 is located
25ft in North
 South
2ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Flag furled

left flag to check in July but 99% sure in right place & nest is destroyed.
 Odd

Compute Mayfield	
Species ADU	Initiation date
# eggs hatched	Est. hatch date
# eggs remain	Exposure days
age when found	

MVNWR: (Duck) Nest FORM

OFF line
check in June

Observer Stone Date 5/19/06 Unit # 9 Transect # 95 M

FIRST VISIT

Species Mall
Nest # ND10
Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
4 # eggs
0 Inc. stage fresh
0 # parasitic eggs

Veg COVER TYPE at Nest
 % 5
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other LEIA

Dist. to standing H₂O 0 ft 95

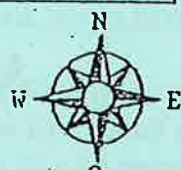
Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded surrounded by H₂O @ 2"

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Distance of Nest from center line (ft and inches) 13 E

FATE VISIT
 observer Stone
 Date 7/18/06
 (check one)
 Hatch May 19
 # egg hatch
 # egg remain
 Abandoned
 Flooded
 Destroyed June 15
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other

check in July
 The eggs found on 15 June - are destroyed
 Found small mammal -



Notes Nest in small (4x4) clump island of veg subA + LEIA.

Nest has 3 ft of veg over it.

Very interesting. I found 1 egg of egg - successful? Nest covered w/ 1" down. But 2 warm eggs inside down. These 2 eggs appear to be ~ 12 days old.

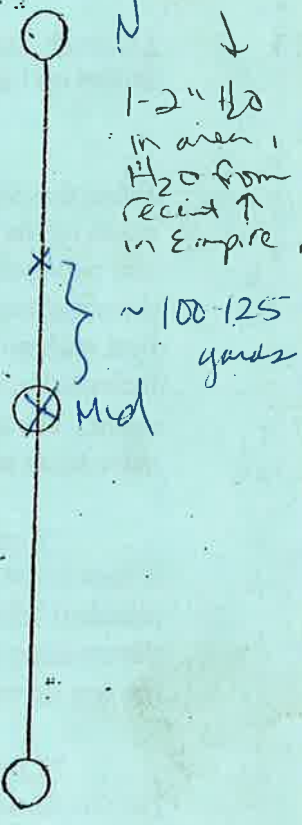
Do another nest being mated? I dug down a bit but didn't find

2 Mall eggs remain - And are alive - not abandoned.

Compute Mayfield

Species AOU	Initiation date
# eggs hatched	Est. hatch date
# eggs remain	Exposure days
age when found	

Location Sketch
 Unit # 9
 Transect # 95
 Nest # ND10 is located
25 ft in North South
3 ft in East West
 of flag and of Transect line
 Grazing Cell # _____
 Paddock # _____



* Marked for recheck in June, & July

Flag buried + left on 15 June.

15 June Stone

MVNWR: (Duck) Nest Form

ND

check in person

Observer Stone Date 5/19/06 Unit # 9 Transect # 95 93

FIRST VISIT

Species Mall Nest # ND 11

Status (check one)

Active *some down*

Hatched

Abandoned

Destroyed

Hatching

2 # eggs

0 Inc. stage

 # parasitic eggs

Dist. to standing H₂O 0 ft 80

Soil Surface (check one)

Dry AT Nest

Moist

Flooded 1"

Aerial Cover (check one)

A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

Sx Willow

Svc Greasewood

Crx Rabbit brush

Dst Salt grass

Gx Grass species

MoF Sweetclover

Wx Weed species

Jba Baltic rush

Cx Sedge

Ex Spikerush

Tla Cattail

Sva Bullrush

Other LELA

Distance of Nest from center line (ft And inches)

20 yds E

FATE VISIT

observer Stone

Date 6/15/06

(check one)

Hatch

 # egg hatch

 # egg remain

Abandoned

Flooded

Destroyed

Raven/magpie

Skunk

Raccoon

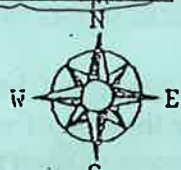
Coyote

Unknown

Other SMALL MAMMA

↑
DOWN

1 egg present looks like SM MAMMA Nest bowl disturbed



Notes Similar habitat

ND 10:

island of tall overhead

og LELA w/ og juba

~~Water mark~~

Location Sketch

Unit # 93

Transect # 93

Nest # is located

25 ft in North South

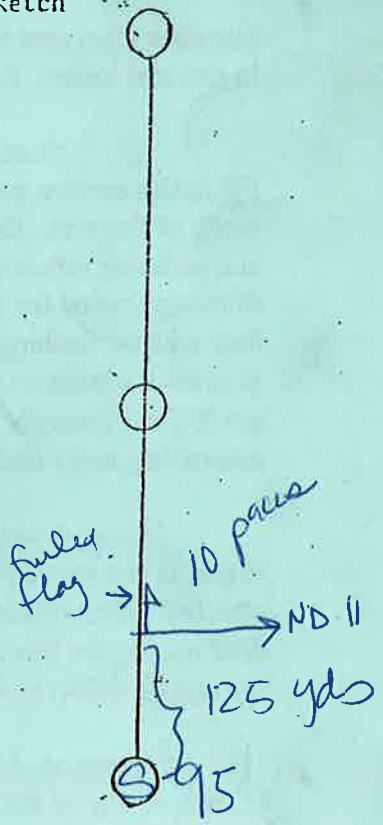
of flag and

 ft in East West

of Transect line

Grazing Cell #

Paddock #



Compute Mayfield

Species ADU Initiation date

eggs hatched Est. hatch date

eggs remain Exposure days

age when found

MVNWK: (Duck) Nest Form

Observer Stone Date June 11/12/06 Unit # 9 Transect # 1078

FIRST VISIT

Species Mall
 Nest # 9
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
4 # eggs
0 Inc. stage
0 # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 5.5"

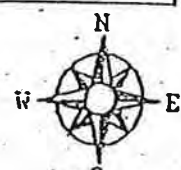
Aerial Cover (check one)
 A. 100-75%
 B. 75-50%
 C. 50-25%
 D. 25-0%

Veg COVER TYPE at Nest
 %
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other

Distance of Nest from center line (ft and inches)
6³ (W)

FATE VISIT

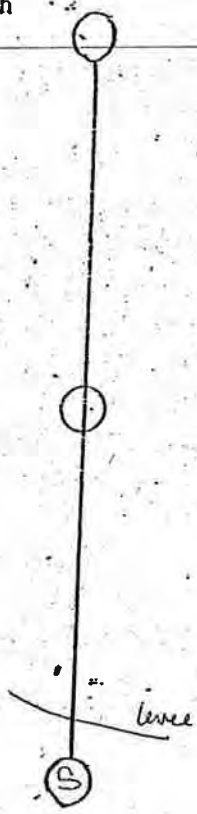
observer _____
 Date 1-1-
 (check one)
 Hatch
0 # egg hatch
0 # egg remain
 Abandoned
0 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



Notes _____

Location Sketch

Unit # 9
 Transect # 107
 Nest # 9 is located
25 ft in North
 South
 of flag and
6 ft 3 in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____
furred flag



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (DUCK) NEST FORM

Observer Stone Date 6/12/06 Unit # 9 Transect # 83 S

FIRST VISIT

Species Godw
 Nest # 12
 Status (check one)
 Active some down
 Hatched
 Abandoned
 Destroyed
 Hatching
10 # eggs
03 Inc. stage
0 # parasitic eggs

Dist. to standing H₂O 70 ^{yards}
EMPIRE Canal

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

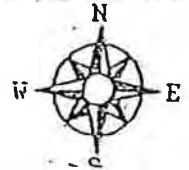
Veg COVER TYPE at Nest
 % 100

<input type="checkbox"/> Sx	Willow
<input checked="" type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	

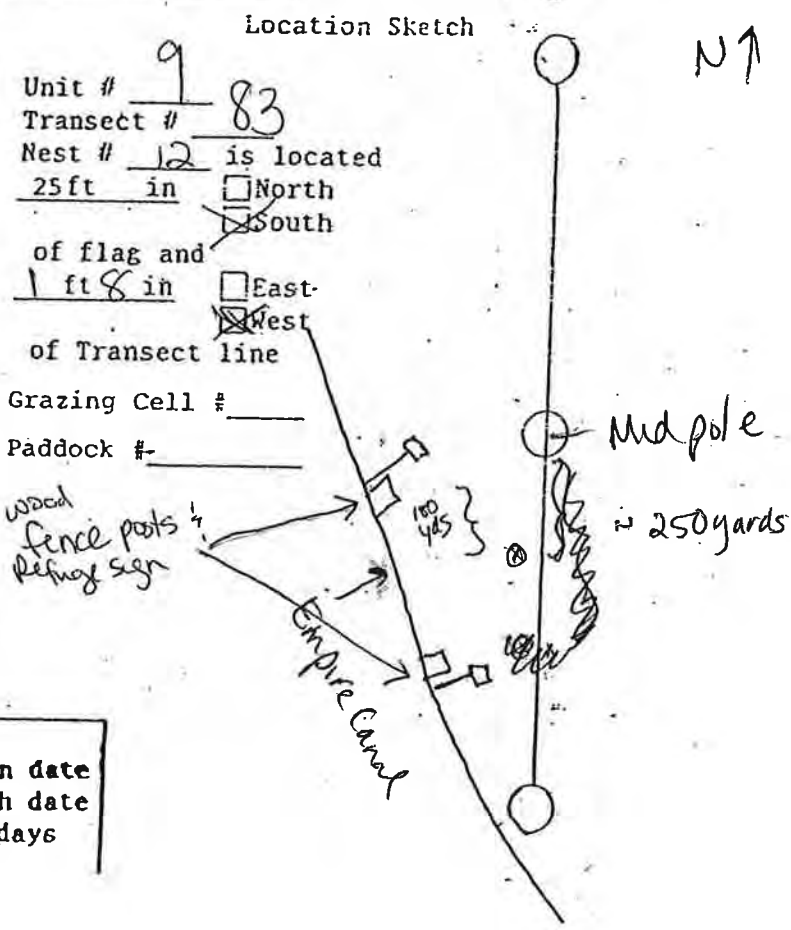
Distance of Nest from center line (ft And inches)
8" W

FATE VISIT

observer _____
 Date 1-1-
 (check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes Nest in expanse
of gravel. It is btwn
the 2nd wood fence posts
& refuge sign - About
100 yards S of N set
flag hiked. Hard to
see



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest Form

Observer Stone Date 6, 12, 06 Unit # 9 Transect # 83 S

OR NODI?
found dead
NODI hen
nearby.
Carcass feathers
is on line -
I believe
I would
have seen
it on
12 June when
nest was
found.

FIRST VISIT

Species Gadw
Nest # 12
Status (check one)
 Active some down
 Hatched
 Abandoned
 Destroyed
 Hatching
10 # eggs
03 Inc. stage
0 # parasitic eggs

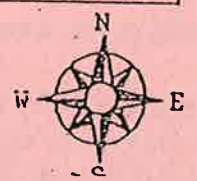
Dist. to standing H₂O 70 yards
 EMPIRE Canal
 Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 % 100
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of Nest from center line (ft and inches)
1 ft 8 in W

FATE VISIT
 observer Stone
 Date 7, 12, 06
 (check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes Nest in expanse of gravel. It is between the 2nd wood fence posts - Refuge sign - About 100 yards S of N. set
Flag buried. Hard to see

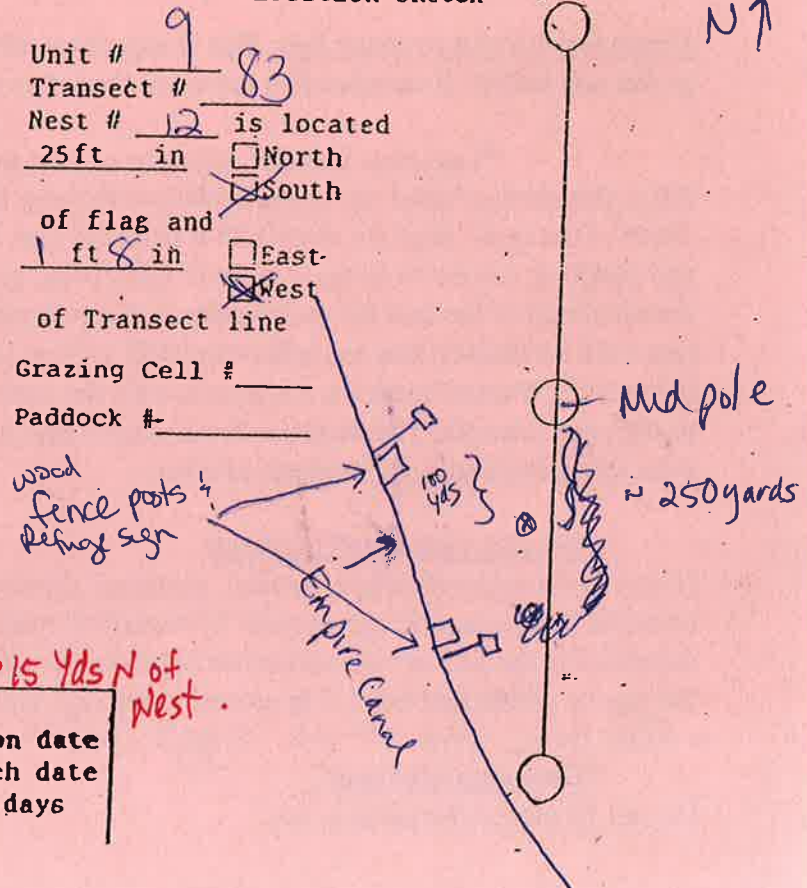
12 JULY 06 - Eggs scattered over several feet. Small coyote track @ 1 set of eggshells (Recent rain has bare ground damp). However I don't know if coyote destroyed nest or was investigating eggs after depredation.

Also found dead NODI hen ~15 Yds N of nest.

Compute Mayfield

Species AOU	Initiation date
# EGGS hatched	Est. hatch date
# EGGS remain	Exposure days
age when found	

Location Sketch



MVNWR: (Duck) Nest FORM

NOT NEST

Observer Stone Date 6/12/06 Unit # 9 Transect # 101 M

FIRST VISIT

Species Teal (Bowl Crite) Nest # 10 Veg COVER TYPE at Nest % 100

Status (check one)

- Active
- Hatched
- Abandoned
- Destroyed
- Hatching

eggs 0 # parasitic eggs 0

Dist. to standing H₂O 25 yards

Soil Surface (check one)

- Dry AT Nest
- Moist
- Flooded

Aerial Cover (check one)

- A. 100-75%
- B. 75-50%
- C. 50-25%
- D. 25-0%

Distance of Nest from center line (ft and inches) 2² West

Sx Willow

Sve Greasewood

Crx Rabbit brush

Dst Salt grass

Gx Grass species

MoF Sweetclover

Wx Weed species

Jba Baltic rush

Cx Sedge

Ex Spikerush

Tla Cattail

Sva Bullrush

Other _____

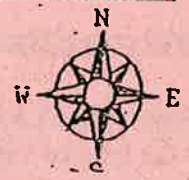
FATE VISIT

observer Stone Date 7/19/06

(check one)

- Hatch
 - egg hatch
 - egg remain
- Abandoned
 - # egg remain
- Flooded
- Destroyed
 - Raven/magpie
 - Skunk
 - Raccoon
 - Coyote
 - Unknown
 - Other _____

found egg, nest, down.
Found a probable Bowl.
I don't think this became A Nest.



Notes Flushed ♀ Ad-Found
NEST Bowl but no eggs

Location Sketch 9 10

2 Oct. 2006:

Did not use this as A Nest because I believe I found a scrape that did not become A Nest.

KSTW

Species _____
eggs _____
eggs _____
age when _____

Observer Stow Date 6/12/06 Unit # 9 Transect # 101 N

FIRST VISIT

Species MALL
 Nest # ND 17
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
9 # eggs
 ___ Inc. stage
 ___ # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 5"

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

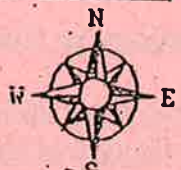
Distance of Nest from center line (ft And inches)
N 13 ft to East

Veg COVER TYPE at Nest

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input checked="" type="checkbox"/> Jba	Baltic rush
<input checked="" type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input checked="" type="checkbox"/> Other	<u>WIA</u>

FATE VISIT

observer _____
 Date 1-1-
 (check one)
 Hatch
 ___ # egg hatch
 ___ # egg remain
 Abandoned
 ___ # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes Nest is right next to C Machine Pad and G Hill (Mound)

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
25ft in North South
 of flag and
 _____ ft in East West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

Observer Stone Date 6/15/06 Unit # 9 Transect # 87N

FIRST VISIT

Species Mall
 Nest # 21
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
6 # eggs
 Inc. stage
 ___ # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Distance of Nest from center line (ft and inches)
4 W

Veg COVER TYPE at Nest
 % 100

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input checked="" type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	_____

FATE VISIT

Observer _____
 Date 1-1-

(check one)

Hatch
 ___ # egg hatch
 ___ # egg remain

Abandoned
 ___ # egg remain

Flooded

Destroyed

Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes _____

* check →

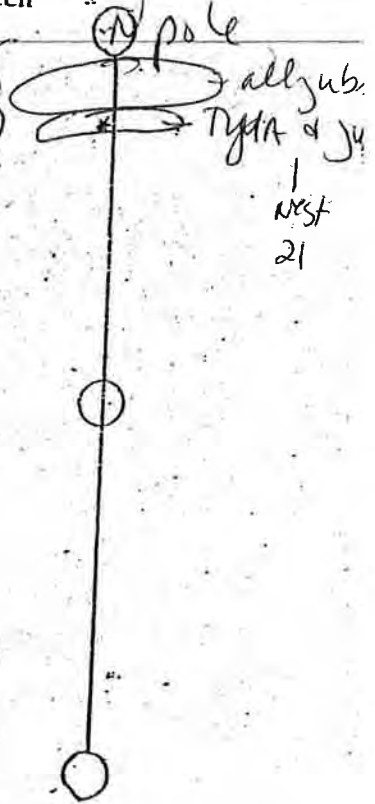
ND 22 is just
 4ft to West of 21
 mall 7 eggs 17d

Also in July -
 measure ND22 make
 sure it is off-line -
 I didnt measure in June - it looked > 8 1/4

Location Sketch

Unit # 9
 Transect # 87
 Nest # 21 is located
25ft in North
 South
4ft in East
 West
 of Transect line

Grazing Cell # _____
 Paddock # _____



Flag pulled
 + hat and in
 Tyra

Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

Observer Stone Date 6/15/06 Unit # 9 Transect # 91N

FIRST VISIT

Species MAL
 Nest # 20
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching

7 # eggs
21 Inc. stage
 # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 % 100
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 HoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other

Distance of Nest from center line (ft And inches)
8² W

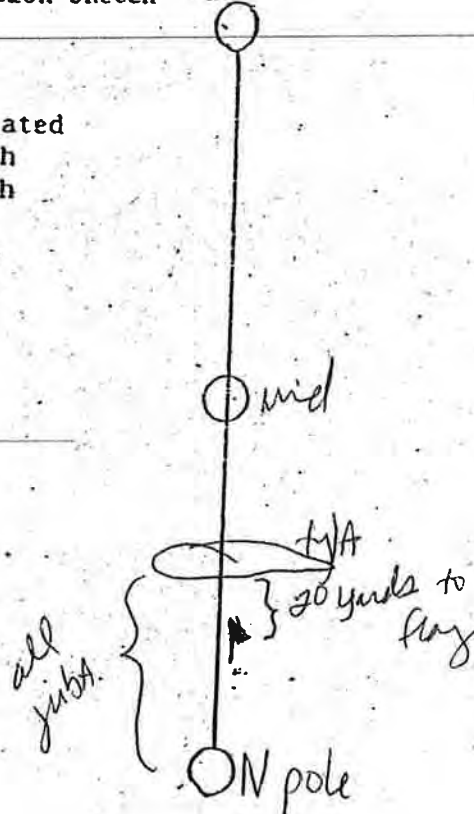
FATE VISIT
 observer
 Date 1-1-
 (check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



Notes small flagging
base of juba when nest is.

Location Sketch

Unit # 9
 Transect # 91
 Nest # 20 is located
25ft in North
 South
8 ft 2 in of flag and
 East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU _____ Initiation date
 _____ # eggs hatched _____ Est. hatch date
 _____ # eggs remain _____ Exposure days
 _____ age when found

MVNWK: (DUCK) NEST FORM

Observer Steve Date 6/15/06 Unit # 9 Transect 95

FIRST VISIT

Species bwtel/afe
 Nest # 18
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
7 # eggs
12 Inc. stage
 ___ # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 4" under

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Distance of Nest from center line (ft and inches)
14" (W)

Veg COVER TYPE at Nest
 % 100%

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input checked="" type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	_____

FATE VISIT

observer _____
 Date 1-1-
 (check one)
 Hatch
 ___ # egg hatch
 ___ # egg remain
 Abandoned
 ___ # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



Notes We must be missing

so many NESTS bcs many
hens don't easily flush.

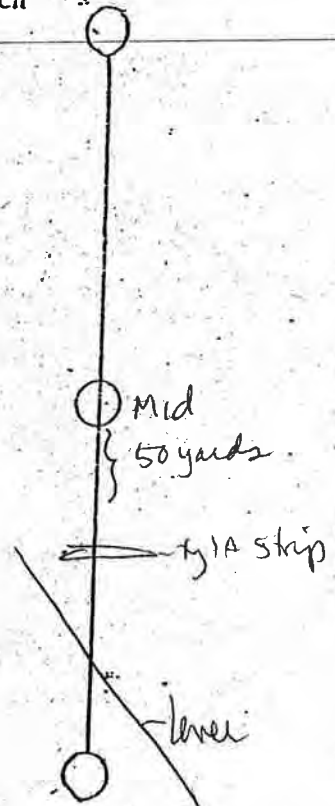
This hen only flushed
after I had been 1ft
from her nest for ~10
minutes - to take off
jacker etc.

In Juba clump

Location Sketch

Unit # 9
 Transect # 95
 Nest # 18 is located
25ft in North
 South
 of flag and
ft. 14 in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____

Flag



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWR: (Duck) Nest FORM

Observer Stone Date 6/15/06 Unit # 9 Transect # 85M 95

FIRST VISIT

Species butel/cife
 Nest # 18
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
7 # eggs
12 Inc. stage
 ___ # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 4" under

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

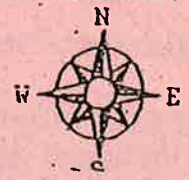
Veg COVER TYPE at Nest
 % 100%
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of Nest from center line (ft and inches)
14" W

FATE VISIT

observer STONE
 Date 6/27/06
 (check one)
 Hatch
4 # egg hatch
3 # egg remain
 Abandoned
 ___ # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

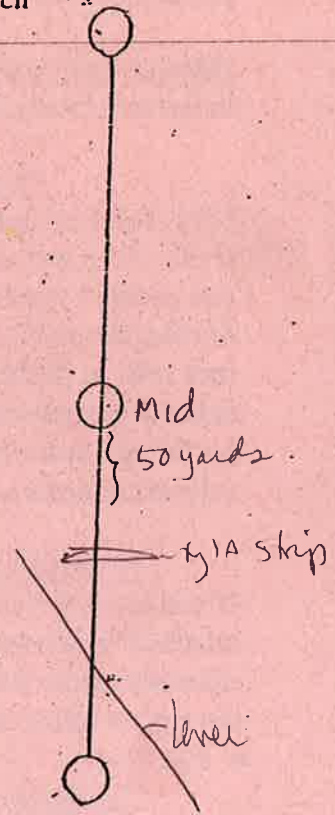
2" water at Bowl



Notes: We must be missing SO MANY NESTS bcs many hens don't easily flush.
This hen only flushed after I had been 1ft from her nest for ~10 minutes to take off jacket etc.
In juba clump

Location Sketch

Unit # 9 95
 Transect # 85
 Nest # 18 is located
25ft in North South
 of flag and ft 14 in East West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

___ Species ADU	___ Initiation date
___ # EGGS hatched	___ Est. hatch date
___ # EGGS remain	___ Exposure days
___ age when found	

IVNWK: (Duck) Nest FORM

Observer Stone Date 6/15/06 Unit # 9 Transect # 93M

*Hen looked
Mall but
eggs seem
very elliptical
but large
(Mall-size)*

FIRST VISIT

Species Mall
Nest # 19
Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
7 # eggs
17 Inc. stage
 # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 4" ¹⁰⁰

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

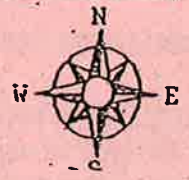
Veg COVER TYPE at Nest
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of Nest from center line (ft and inches)
5' 8" E

FATE VISIT

Observer Stone
Date 7/18/06
(check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

18 July -
H₂O in area. At
Nest =
2"



Notes Nest is covered by
ng juts + laying mound
of ng juts.
Re-nest Dd Bet.

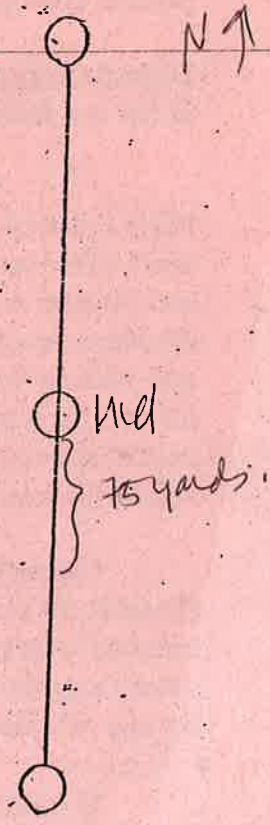
Hen flushed - Mallard

Eggs Active - very close
to hatching

Water 1" in area.

Location Sketch

Unit # 9
Transect # 93M
Nest # 19 is located
 25ft in North
 South
of flag and
5 ft 8 in East
 West
of Transect line
Grazing Cell # _____
Paddock # _____



Fly fueled

Compute Mayfield

_____ Species AOV	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

27 June
2006 →

MVNWK: (Duck) Nest FORM

Observer Stone

Date 6/15/06 Unit # 9 Transect # 91 N

FIRST VISIT

Species Mall
Nest # 20
Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
7 # eggs
21 Inc. stage
 ___ # parasitic eggs
 Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

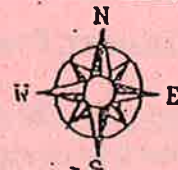
Veg COVER TYPE at Nest
 % 100
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of Nest from center line (ft and inches)
8² W

FATE VISIT

observer Stone
Date 6/27/06
(check one)
 Hatched
 ___ # egg hatch
7 # egg remain
 Abandoned
 ___ # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

INACTIVE
Hen
Dead



Notes small flagging

Location Sketch

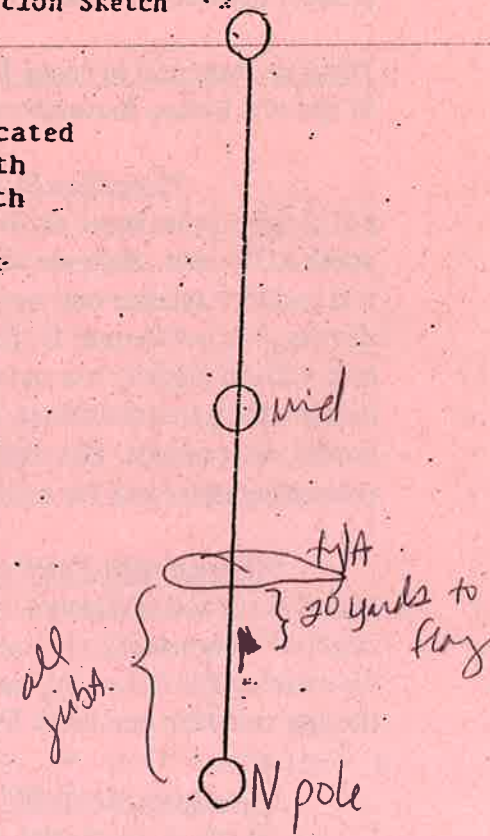
base of juba where nest is.

Found hen carcass near
Brul. Carcass was
intact - not eaten couldnt
see any holes / injuries.

Carcass on top of veg -
starting to decompose.

Water in area has
dropped significantly!
Saturated by 2/1

Unit # 9
Transect # 91
Nest # 20 is located
 25ft in North
 South
 of flag and
8 ft 2 in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

___ Species ADU	___ Initiation date
___ # EGGS hatched	___ Est. hatch date
___ # EGGS remain	___ Exposure days
___ age when found	

MVNWR: (Duck) Nest Form

Observer Stone Date 6/15/06 Unit # 9 Transect # 87N

12 July 06: Difficult to determine fate. 2 eggs present - 1/4 out of bowl - 10k degraded, NO other eggshells or fragments in bowl. Bowl edge somewhat torn apart.

* Check ND 22 is just 4ft to west of 21. Mall 1 egg 17d. Also in July - measure ND 22 make sure it is off-line - didn't measure in June - it looked > 8 1/4

FIRST VISIT

Species Mall
Nest # 21
Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
6 # eggs
 Inc. stage
 ___ # parasitic eggs

Disc. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

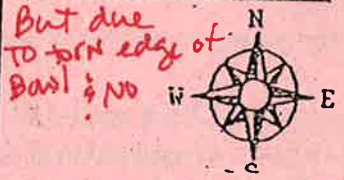
Veg COVER TYPE at Nest
 % 100
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of Nest from center line (ft and inches)
4 W

FATE VISIT

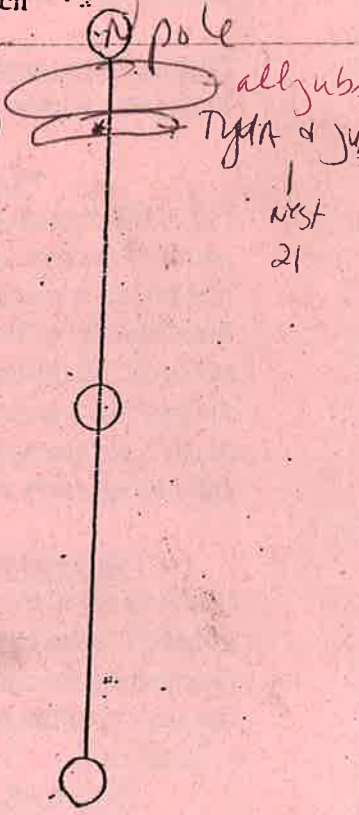
observer Stone
Date 7/12/06
(check one)
 Hatch
 ___ # egg hatch
 ___ # egg remain
 Abandoned
 ___ # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

Stone
6-27-06
5 eggs @ 23 ready to hatch, still Active



Notes
 cant tell if detached by duckling or exposure

Unit # 9
Transect # 87
Nest # 21 is located
25ft in North
 South
4ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

___ Species ADU	___ Initiation date
___ # eggs hatched	___ Est. hatch date
___ # eggs remain	___ Exposure days
___ age when found	

Flag pulled
 + tail and in TYA

MVNWK: (Duck) Nest FORM

Observer Stone Date 6/15/06 Unit # 9 Transect # 87N

FIRST VISIT

Species May
 Nest # ND22
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
9 # eggs
17 Inc. stage
 ___ # parasitic eggs

Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 5.5"

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 % 100
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of Nest from center line (ft and inches)

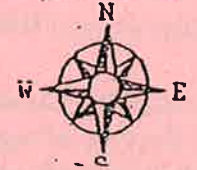
FATE VISIT

observer Stone
 Date 6/27/06

(check one)
 Hatch
 ___ # egg hatch
 ___ # egg remain
 Abandoned
 ___ # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

Water in entire Area

Some Bowl pulled out



Notes
Just ~4 ft. W +
slightly South of 21

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
25ft in North
 South
 of flag and
 _____ ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



See map for 21

Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

check in July w/ late June Yellow flag

Observer Stone Date 6/19/06 Unit # 9 Transect 85N

FIRST VISIT

Species Mall
 Nest # ND 25
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 9 # eggs
 21+ Inc. stage
 # parasitic eggs

Dist. to standing H₂O 60 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 1/2"

Aerial Cover (check one)
 A. 100-75%
 B. 75-50%
 C. 50-25%
 D. 25-0%

Veg COVER TYPE at Nest
 %
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 40 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other W/A

Distance of Nest from center line (ft And inches)
 Measure on Ratchet

water dropping quickly

FATE VISIT

observer _____
 Date 1-1-
 (check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

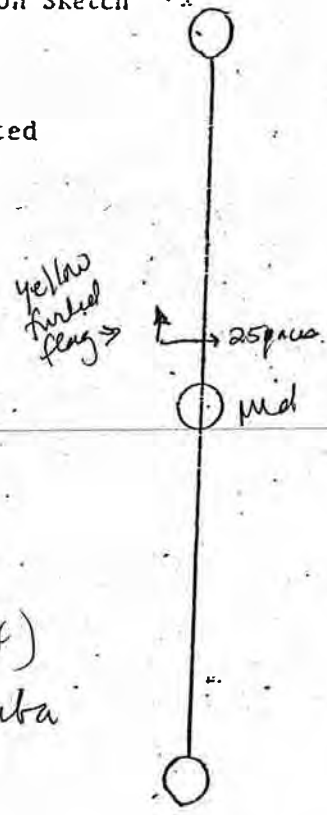


Notes 25 ft

Location Sketch

Nests 11, 22, ND 24+
 ND 25 are
 all in a
 50 x 50 yard area

Unit # _____
 Transect # _____
 Nest # _____ is located
 25 ft in North
 South
 of flag and
 ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



this area has
 clumps of Nyctagynus
 and the nests are
 all in a pocket of Nyctagynus (3.5 ft)
 w/ the juba

Compute Mayfield

Species AOU	Initiation date
# eggs hatched	Est. hatch date
# eggs remain	Exposure days
Age when found	

MVNWK: (Duck) Nest FORM

Observer Stone Date 6/19/06 Unit # 9 Transect # 85N

FIRST VISIT

Species NOP1
 Nest # 22
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 # eggs _____
 Inc. stage _____
 # parasitic eggs _____

Dist. to standing H₂O _____ ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 %
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other WTA

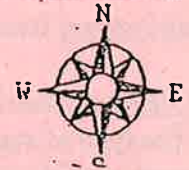
Distance of Nest from center line (ft and inches)
W

FATE VISIT

observer Stone
 Date 6/27/06

(check one)
 Hatch
 # egg hatch _____
 # egg remain _____
 Abandoned
 # egg remain _____
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

Ø H₂O on 6-27.
Nest bowl pulled out
~7-8 eggs



Notes I Found this nest while checking Fate of Nest #11. so this nest probably shouldn't "count" in Transects.

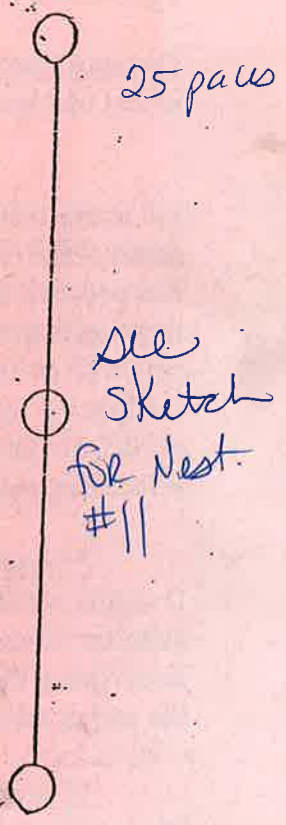
I left flag that marks Nest 11

Hen is on Nest! Such similar habitat + distance from C.L. that I thought Nest 22 was Nest 11.

I believe nest 22 is a NOP1. I did!

Location Sketch

Unit # 9
 Transect # 85N
 Nest # 22 is located
25ft in North
 South
 of flag and
X ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Nest 22 is south of fuled flag

Compute Mayfield	
_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWR: (Duck) Nest FORM

Check in late June-July

Observer Stone Date 6/19/06 Unit # 9 Transect # 85 N

Hen looked like eggs look NDFI

FIRST VISIT

Species MAIL?
 Nest # ND 24
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
3 # eggs ↑ down
21 # Inc. stage
 # parasitic eggs _____

Dist. to standing H₂O 20 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 1/2"

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

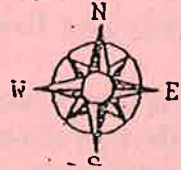
Veg COVER TYPE at Nest
 %
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other lela

Distance of Nest from center line (ft and inches)
40 ft 4 inches To E
off line

FATE VISIT

observer Stone
 Date 6/27/06
 (check one)
 Hatch
2 # egg hatch
1 # egg remain
 Abandoned
0 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other

Blood in eggshells



Notes East of Nest 22

Found while checking fate of 11

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
25 ft in North
 South
 of flag and
 ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

check in July w/ late June yellow flag

Observer Stone Date 6/19/06 Unit # 9 Transect 85N

FIRST VISIT

Species Mall
 Nest # ND 25
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
9 # eggs
21+ Inc. stage
 # parasitic eggs

Dist. to standing H₂O 60 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 1/2"

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 % 40
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other W/A

Distance of Nest from center line (ft and inches)
3 paces W

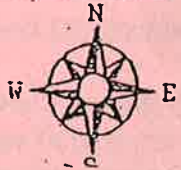
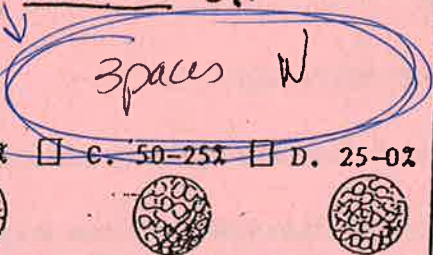
FATE VISIT

observer stone
 Date 6/27/06

(check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown MAMMAL?
 Other

water dripping randomly

Measure on Ratchet



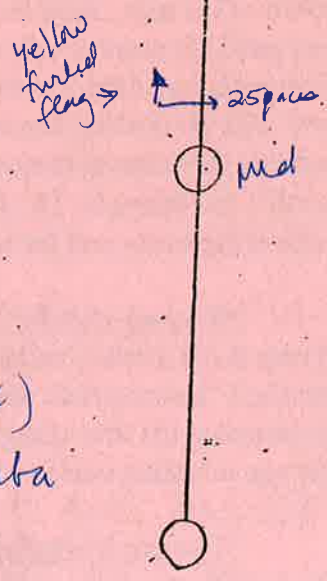
Notes 25 ft

Location Sketch

Nests 11, 22, ND 24+
ND 25 are all in a 50 x 50 yard area

This area has clumps of Ng + og yuba and the nests are all in a pocket of og + Ng W/A (3.5 ft) w/ the juba

Unit # _____
 Transect # _____
 Nest # _____ is located
25 ft in North South
 of flag and _____
 ft in East West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield	
Species ADU	Initiation date
# eggs hatched	Est. hatch date
# eggs remain	Exposure days
age when found	

MVNWK: (Duck) Nest Form

Observer Stone + Lucero Date 6/2/06 Unit # 9 Transect # 91N

FIRST VISIT

Species Mall Veg COVER TYPE at Nest %

Nest # ND ~~26~~ 26

Status (check one)

Active

Hatched

Abandoned

Destroyed

Hatching

8 # eggs

21+ Inc. stage

 # parasitic eggs

Dist. to standing H₂O ft

NEAREST BORROW

Soil Surface (check one)

Dry AT Nest

Moist 1/2"

Flooded

Aerial Cover (check one)

A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Distance of Nest from center line (ft and inches)

2 ft W

No standing H₂O left in area. 100

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> HoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input checked="" type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	_____

FATE VISIT

observer STONE

Date 1-1-

(check one)

Hatch

 # egg hatch

 # egg remain

Abandoned

 # egg remain

Flooded

Destroyed

Raven/magpie

Skunk

Raccoon

Coyote

Unknown

Other _____

day 2 checked nests w/ Jill.

20 still active that day



Notes Nest is near

nest 20' - left flag.

for 20, Add flag

Small piece of flagging at Juba

3.5

Location Sketch

Unit # 9

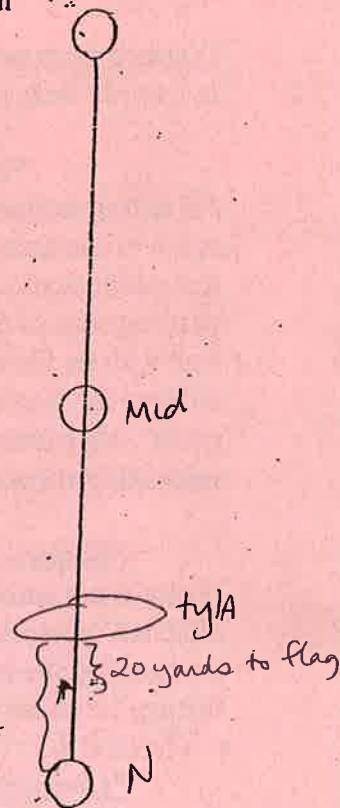
Transect # 91

Nest # ND is located 25ft in North South

3.5 Paces of flag and 2 ft 0 in East West of Transect line

Grazing Cell # _____

Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

Duck Nest Forms

Units 10-24

MVNWK: (Duck) Nest FORM

Scott Miller

Observer SGM Date 6/15/06 Unit # 10 Transect # 119

FIRST VISIT

Species Mallard
 Nest # 126
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
3? # eggs
 ___ Inc. stage
 ___ # parasitic eggs

Dist. to standing H₂O 3 ft

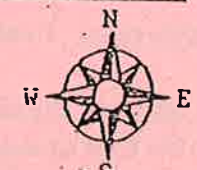
Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 %
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 2% Gx Grass species
 MoF Sweetclover
 egg% Wx Weed Species *white top*
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of Nest from center line (ft and inches)
6"

FATE VISIT
 observer Miller
 Date 6/15/06
 (check one)
 Hatch
 ___ # egg hatch
 ___ # egg remain
 Abandoned
 ___ # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes Nest is in white top clump.
Destroyed - pretty sure avian predation.
3 eggs broken and remaining in/near nest.
Nest not torn apart.
Nest is pretty exposed.

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
25 ft in North
 South
 of flag and
 _____ ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

Species ADU _____ Initiation date _____
 # eggs hatched _____ Est. hatch date _____
 # eggs remain _____ Exposure days _____
 age when found _____

Observer SBM - Scott Miller Date 6/14/06 Unit # 14 Transect # 3B

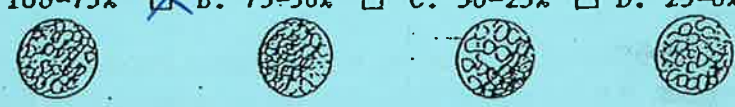
FIRST VISIT

Species GADWALL
 Nest # ND 126
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 # eggs _____
 Inc. stage _____
 # parasitic eggs _____

Dist. to standing H₂O 1000 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%



Veg COVER TYPE at Nest

%	<input type="checkbox"/> Sx	Willow
	<input type="checkbox"/> Sve	Greasewood
	<input type="checkbox"/> Crx	Rabbit brush
	<input type="checkbox"/> Dst	Salt grass
<u>10</u>	<input checked="" type="checkbox"/> Gx	Grass species
	<input type="checkbox"/> MoF	Sweetclover
	<input type="checkbox"/> Wx	Weed species
<u>90</u>	<input checked="" type="checkbox"/> Jba	Baltic rush
	<input type="checkbox"/> Cx	Sedge
	<input type="checkbox"/> Ex	Spikerush
	<input type="checkbox"/> Tla	Cattail
	<input type="checkbox"/> Sva	Bullrush
	<input type="checkbox"/> Other	_____

Distance of Nest from center line (ft and inches)
29 FT

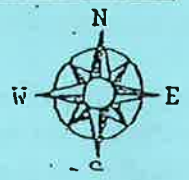
FATE VISIT

observer _____
 Date / /

(check one)

Hatch
 # egg hatch _____
 # egg remain _____

Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes _____

No Flag

Corvid predation

Clumpy Bullrush

Location Sketch

Unit # 14
 Transect # 3B
 Nest # ND 126 is located
25 ft in North
 South
 of flag and
 _____ ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

May 2003

FIRST VISIT

Species MAL
 Nest # ND 127
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
5 # eggs
23 Inc. stage
0 # parasitic eggs

Dist. to standing H₂O ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

100% Sva Bullrush

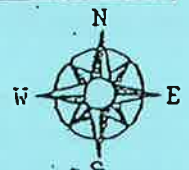
Distance of Nest from center line (ft and inches)
21 ft

Veg COVER TYPE at Nest

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input checked="" type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	<u> </u>

FATE VISIT

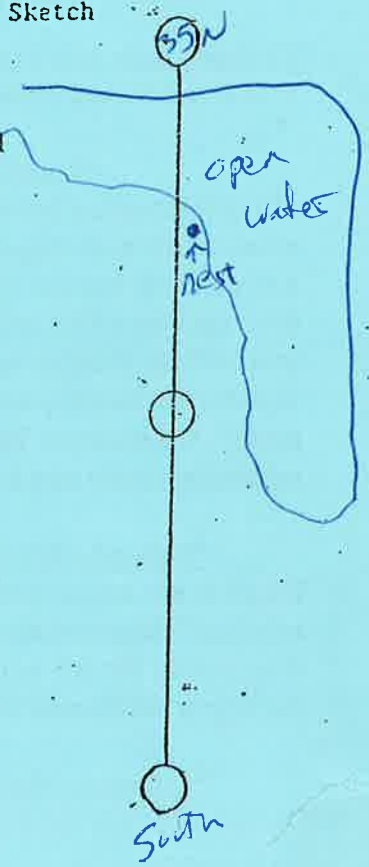
observer
 Date 1-1-
 (check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



Notes 1 egg could be piping
No Flag put out
since eggs are
about to hatch.
Egg tube thing very
clearly shows about to
hatch.

Location Sketch

Unit #
 Transect #
 Nest # is located
25ft in North
 South
 of flag and
 ft in East
 West
 of Transect line
 Grazing Cell #
 Paddock #



Compute Mayfield

<u> </u> Species ADU	<u> </u> Initiation date
<u> </u> # eggs hatched	<u> </u> Est. hatch date
<u> </u> # eggs remain	<u> </u> Exposure days
<u> </u> age when found	

Observer Stone

Date 5/12/06

Unit # 18

Transect # 105 S

FIRST VISIT

Species MAIL
 Nest # 6
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
6 # eggs
 Inc. stage
 _____ # parasitic eggs

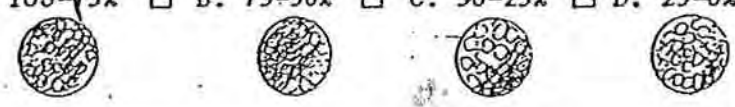
Dist. to standing H₂O 0 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded 2"

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

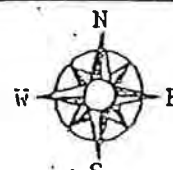
Veg COVER TYPE at Nest
 %
 Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of Nest from center line (ft and inches)
20" W



FATE VISIT

observer _____
 Date 1/1/
 (check one)
 Hatch
 _____ # egg hatch.
 _____ # egg remain
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____

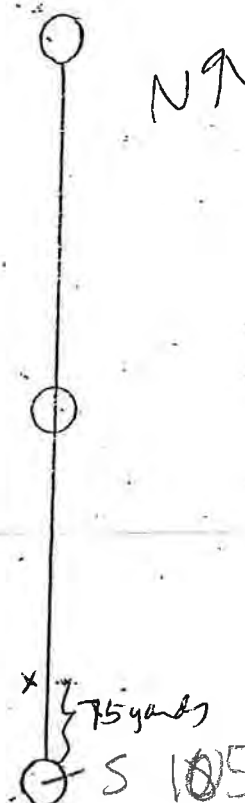


Notes _____

Location Sketch

Unit # 18
 Transect # 105
 Nest # 6 is located
25ft in North
 South
 of flag and
ft 20 in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____

flag is furled



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (DUCK) NEST FORM

Observer DeVries

Date 6/13/06 Unit # 18 Transect # 99 N

FIRST VISIT

Species Gadwall
 Nest # 54
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
5 # eggs
 Fresh Inc. stage
 # parasitic eggs

Dist. to standing H₂O 600? ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest
 %

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input checked="" type="checkbox"/> Other	<u>LECA</u>

Distance of Nest from center line (ft and inches)
6' 2"

FATE VISIT

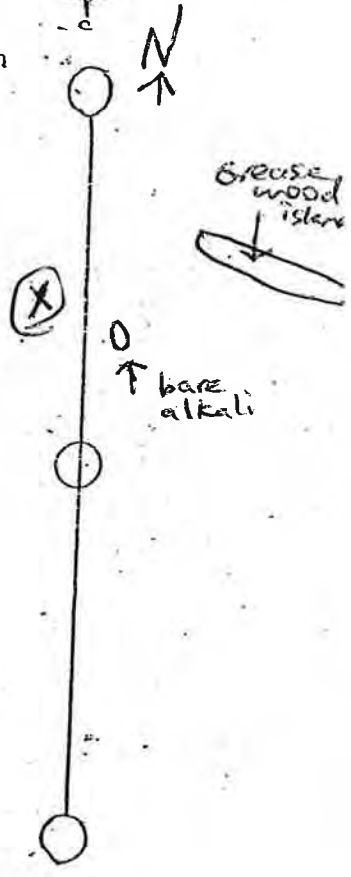
observer
 Date 1-1-
 (check one)
 Hatch
 # egg hatch
 # egg remain
 Abandoned
 # egg remain
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



Notes Nest is in a "sea" of LECA:
Rare alkali spot is just S of nest and closer to centerline than dry map indicates
Good luck w/ this one!

Location Sketch

Unit # 18
 Transect # 99 N
 Nest # 54 is located 25ft in North South
6 ft 2 in East West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species AOU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

Observer DeVries Date 6/13/06 Unit # 18 Transect # 93

FIRST VISIT

Species Gadwall
 Nest # 53
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 # eggs 0
 Inc. stage _____
 # parasitic eggs _____

Dist. to standing H₂O 200 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

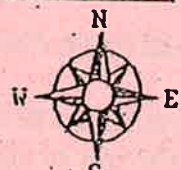
Veg COVER TYPE at Nest

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<u>75</u> <input checked="" type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<u>25</u> <input checked="" type="checkbox"/> Other	<u>LELA</u>

Distance of Nest from center line (ft and inches)
1' 6"

FATE VISIT

observer DeVries
 Date 6/13/06
 (check one)
 Hatch
 # egg hatch _____
 # egg remain _____
 Abandoned
 # egg remain _____
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes Dawn present

Location Sketch

Unit # _____
 Transect # _____
 Nest # _____ is located
25ft in North
 South
 of flag and
 _____ ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

Observer DeVries Date 6/13/06 Unit # 18 Transect # 99 N

FIRST VISIT

Species Gadwall Nest # 54

Status (check one)

Active
 Hatched
 Abandoned
 Destroyed
 Hatching

5 # eggs
 Fresh Inc. stage
 # parasitic eggs

Dist. to standing H₂O 600? ft

Soil Surface (check one)

Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)

A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

Sx Willow
 Sve Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other LECA

Distance of Nest from center line (ft and inches)

6' 2" W

FATE VISIT

observer STONE
 Date 7/18/06

(check one)

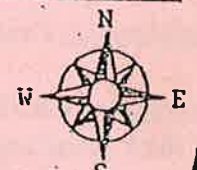
Hatch
8 # egg hatch
2 # egg remain

Abandoned
 # egg remain

Flooded

Destroyed

Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other



Notes Nest is in a "sea" of LECA.

Bare alkali spot is just S of nest and closer to centerline than my map indicates

Good luck w/ this one!

12 JULY 06 (STONE)
Nest Active. Hen flushed off nest. 10 eggs @ 21+ days.
left flag

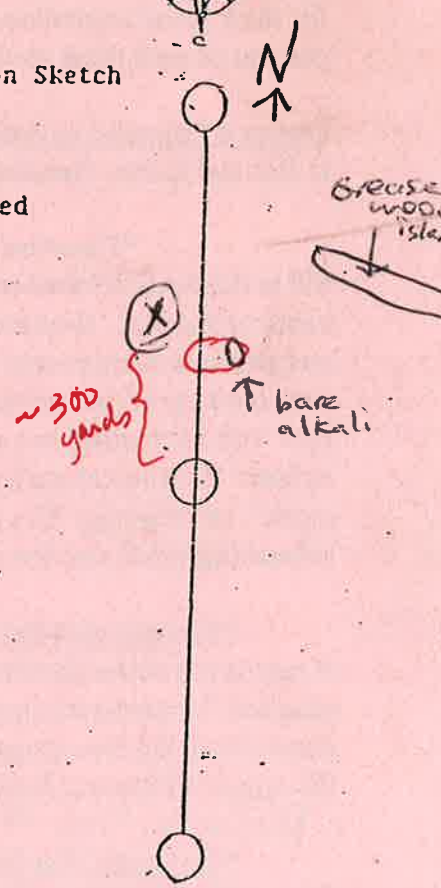
Location Sketch

Unit # 18
 Transect # 99 N
 Nest # 54 is located 25ft in North South

of flag and 6 ft 2 in East West

of Transect line

Grazing Cell # _____
 Paddock # _____



Compute Mayfield

Species ADD _____ Initiation date _____
 # EGGS hatched _____ Est. hatch date _____
 # EGGS remain _____ Exposure days _____
 age when found _____

MVNWK: (Duck) Nest FORM

Marked

Observer Stone Date 6/19/06 Unit # 18 Transect # 107M *check in July*

FIRST VISIT

Species MAH
 Nest # ND 23
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching
 # eggs 9
 # Inc. stage 21
 # parasitic eggs _____

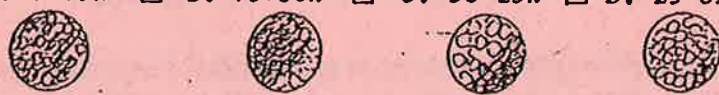
Dist. to standing H₂O 50 ft
 H₂O in Bowen Pond

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

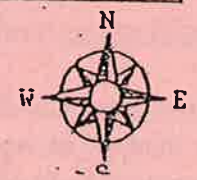
Veg COVER TYPE at Nest
 % 100%
 Sx Willow
 Svc Greasewood
 Crx Rabbit brush
 Dst Salt grass
 Gx Grass species
 MoF Sweetclover
 Wx Weed species
 Jba Baltic rush
 Cx Sedge
 Ex Spikerush
 Tla Cattail
 Sva Bullrush
 Other _____

Distance of Nest from center line (ft and inches)
4 paces to E of CL



FATE VISIT

observer _____
 Date / /
 (check one)
 Hatch
 # egg hatch _____
 # egg remain _____
 Abandoned
 # egg remain _____
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes _____

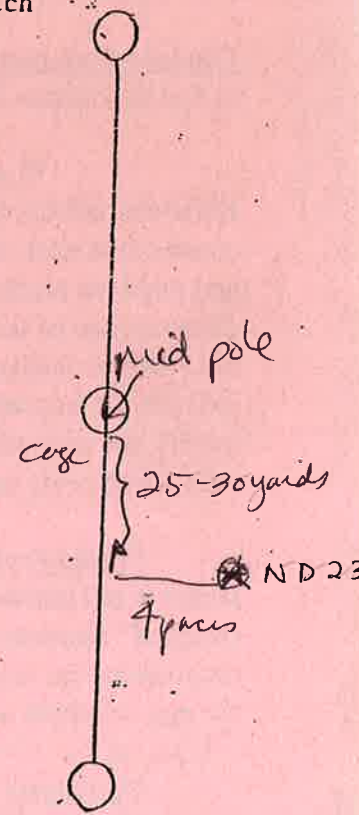
Location Sketch

Flag →

Flag is on line,
 Nest is 4 paces
 East of flag.
 Small flagging
 @ TLA / Nest

Unit # _____
 Transect # _____
 Nest # _____ is located
25 ft in North
 South
 ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____

↑ = flag



Compute Mayfield	
_____ Species ADU	_____ Initiation date
_____ # EGGS hatched	_____ Est. hatch date
_____ # EGGS remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest Form

Observer Stone Date 6/19/06 Unit # 18 Transect # 105 S

FIRST VISIT

Species Mall Veg COVER TYPE at Nest %

Nest # 6 (MAY NEST)

Status (check one)

Active

Hatched

Abandoned

Destroyed

Hatching

___ # eggs

___ Inc. stage

___ # parasitic eggs

Dist. to standing H₂O ___ ft

Soil Surface (check one)

Dry AT Nest

Moist

Flooded

Aerial Cover (check one)

A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Sx Willow

Sve Greasewood

Crx Rabbit brush

Dst Salt grass

Gx Grass species

MoF Sweetclover

Wx Weed species

Jba Baltic rush

Cx Sedge

Ex Spikerush

Tla Cattail

Sva Bullrush

Other _____

Distance of Nest from center line (ft and inches)

FATE VISIT

observer Stone

Date 6/19/06

(check one)

Hatch

___ # egg hatch

___ # egg remain

Abandoned

___ # egg remain

Flooded

Destroyed

Raven/magpie

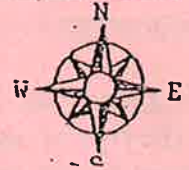
Skunk

Raccoon

Coyote

Unknown

Other _____



Notes _____

Nest Bowl somewhat torn apart - one side.

Found 2 dep eggs. 1 in Bowl and 1 20 ft away.

Dep. eggs have a hole next to large hole - usually considered a corvid but nest bowl is torn apart as well - corvid could have done that as well

Location Sketch

Unit # _____

Transect # _____

Nest # _____ is located

25ft in North South

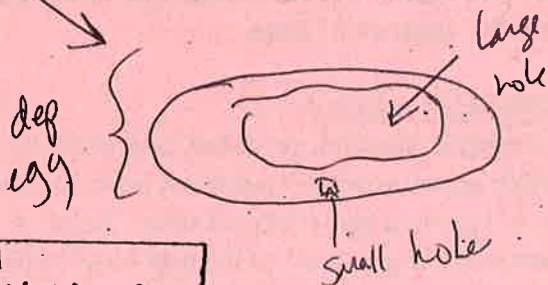
of flag and _____

ft in East West

of Transect line

Grazing Cell # _____

Paddock # _____



Compute Mayfield

___ Species ADU

___ # eggs hatched

___ # eggs remain

___ age when found

___ Initiation date

___ Est. hatch date

___ Exposure days

MVNWR: (Duck) Nest FORM

Observer DeVries Date 5/17/06 Unit # ²⁴~~115~~ Transect # 115

FIRST VISIT

Species C. goose
 Nest # N152
 Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching

unk # eggs _____
 Inc. stage _____
 # parasitic eggs _____

Dist. to standing H₂O 15 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

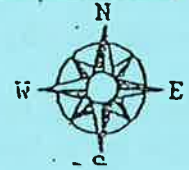
% _____

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
100% <input checked="" type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	_____

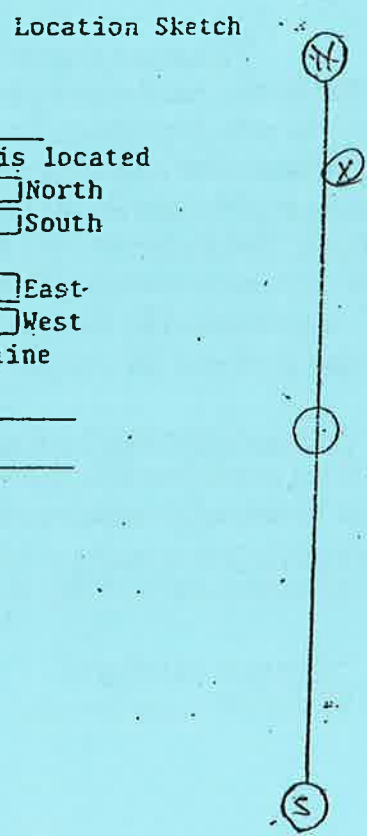
Distance of Nest from center line (ft and inches)
5' 6"

FATE VISIT

observer _____
 Date 5/17/06
 (check one)
 Hatch
 _____ # egg hatch
 _____ # egg remain
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes _____



Unit # _____
 Transect # _____
 Nest # _____ is located
 25ft in North
 South
 of flag and
 _____ ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____

Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWR: (Duck) Nest FORM

Observer DeVries Date 5/17/06 Unit # 24 Transect # 117

FIRST VISIT

Species C. goose
 Nest # ND 53
 Status. (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 Hatching

unk # eggs _____
 Inc. stage _____
 # parasitic eggs _____

Dist. to standing H₂O 25 ft

Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Veg COVER TYPE at Nest

% _____

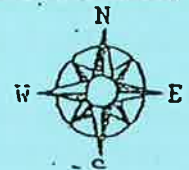
100

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input checked="" type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	_____

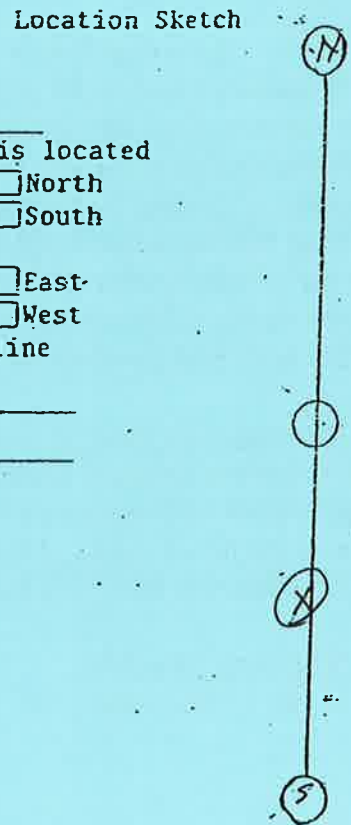
Distance of Nest from center line (ft and inches)
6"

FATE VISIT

observer _____
 Date 5/17/06
 (check one)
 Hatch
 _____ # egg hatch.
 _____ # egg remain
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes _____



Unit # _____
 Transect # _____
 Nest # _____ is located
25 ft in North
 South
 of flag and
 _____ ft in East
 West
 of Transect line
 Grazing Cell # _____
 Paddock # _____

Compute Mayfield

_____ Species ADU	_____ Initiation date
_____ # eggs hatched	_____ Est. hatch date
_____ # eggs remain	_____ Exposure days
_____ age when found	

MVNWK: (Duck) Nest FORM

Observer BRAD NEUMMEISTER Date 6/12/06 Unit # 24 Transect # 107

FIRST VISIT

Veg COVER TYPE at Nest

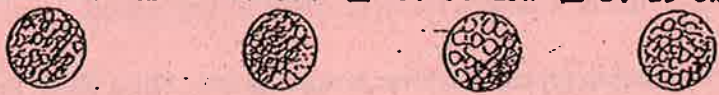
Species VN SPARROW % Sx Willow
 Nest # ND 141 Sve Greasewood
 Status (check one) Crx Rabbit brush
 Active Dst Salt grass
 Hatched Gx Grass species
 Abandoned MoF Sweetclover
 Destroyed Wx Weed species
 Hatching Jba Baltic rush
4 # eggs Cx Sedge
VN Inc. stage Ex Spikerush
0 # parasitic eggs Tla Cattail
 Sva Bullrush
 Other _____

Dist. to standing H₂O _____ ft

Soil Surface (check one) Dry AT Nest
 Moist
 Flooded

Aerial Cover (check one) A. 100-75% B. 75-50% C. 50-25% D. 25-0%

Distance of Nest from center line (ft and inches)



FATE VISIT

observer _____

Date 1-1-

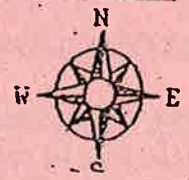
(check one)

Hatch
 _____ # egg hatch
 _____ # egg remain

Abandoned
 _____ # egg remain

Flooded

Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



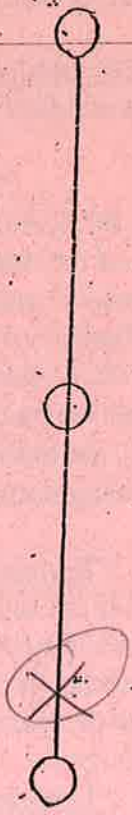
Notes Unknown Sparrow Species

Eggs are approximately 7/8" long and 5/8" wide

Color - Pale Green with mottled Brown

Location Sketch

Unit # _____ **NOT FLAGGED**
 Transect # _____
 Nest # _____ is located
25ft in North South
 of flag and _____
 ft in East West
 of Transect line
 Grazing Cell # _____
 Paddock # _____



Compute Mayfield

_____ Species ADU _____ Initiation date
 _____ # EGGS hatched _____ Est. hatch date
 _____ # EGGS remain _____ Exposure days
 _____ age when found

Misc. Duck Transect Notes and Data

2006 MVNWR Water Management:
Habitat and Water Conditions, Observations, and Suggestions:
By Kelli Stone, Refuge Biologist
12 October 2006
File: MVNWR Water Management 2006

(on thumb drive)

Unit 9:

-If cfs in the Spruce Lawn canal are 14 or above water will move west over top of canal and into adjacent flats (those between Spruce Lawn and Empire Canal road). The issue is vegetation species composition and to which community type we want to support. As of July 2006 there are areas of bare ground, salt grass and greasewood. These areas like others on refuge, can easily move to monotypic whitetop stands with the application of shallow water in March through August. There are also large areas of dense, thick baltic rush west of the Spruce Lawn. The issue is considering long-term viability of these areas and the decision to convert them to short emergent or as greasewood flats. In July of 2006 we didn't intend to shallowly flood the southeast corner of these flats but while trying to get water into Unit 9 levels in Spruce Lawn got high enough it flowed east into this area, which was salt flats. The water has promoted expansion of whitetop.

-How late into the season (summer) should we take Empire Canal water into units 9 and 3? In the last few years during the drought there haven't been many to no options to get water into unit 9, no matter the time of year. We haven't been able to put winter recharge water into the unit in several years. I have surmised that this lack of recharge to the watertable in November-January has had a negative impact on baltic rush (a cool season native wetland plant) to initiate growth in February-March and other plants, such as noxious whitetop have become more prominent as a result. In 2006 the Empire and other irrigation canals near Monte Vista got water several times in mid-summer. The refuge had been pumping water into the Spring Creek Canal and moving it into Unit 9 in early spring to support native wetland vegetation and provide nesting and brood habitat for waterbirds as well as foraging sites for waterbirds (ibis, etc).

WATER CONDITIONS:

UNIT 9:

June 23, 2006: Empire Canal went off (dried, no delivery from Rio Grande) on Friday, June 23. Dave Lucero wanted to know if he should turn on pumps to keep up the head in the Spruce Lawn to maintain water levels in unit 9. I decided to wait until the following Monday to get an understanding of our pumping budget and check with Brian DeVries before making the decision. Dave warned that we could lose head by waiting but we were unsure how quickly water levels would drop in Unit 9. It had had about 3-10" (85% of areas had about 3", only the area immediately to the east of the Spruce Lawn has such deep water) of water throughout it for awhile. I didn't think water levels would drop quickly but they did. By that Monday the eastern edge of Unit 9 had very little to no standing water. The water levels must have been maintained by Spruce Lawn inputs only and not by ground water. At the north-east end of unit 9 the water levels went from 5 to 6" on 23 June to nothing in just 2-3 days.

27 June 06: walked from south to mid pole of transect 95, all of which has saturated soils, no standing water. Mobbed by minimum of 20 Wilson's phalarope.

12 July 2006: during nest fate check: the north end of transect 87 has water again. In this area water depth and distribution has varied greatly in the last 2-3 weeks. Around June 20 this area (which has 1 duck nest on line and one off-line.. and both were predated during the periods of no standing water) did not have any standing water, soils were saturated. Now on the July 12 it has water again. The Empire Canal has water again and the refuge is moving water into Unit 9 again but it may be too inconsistent or late.

18 July 2006: south end of transect 95, mid pole of 95, and south to mid of 93: water varies from 1 to 3 inches, average of 2.

-Is there a trend or correlation with water disappearing (drying) near and under waterbird nests and subsequent predation? Without statistical analysis and just based on observation, I believe there is. In unit 9 for example, in one area approximately 15 x 15 yards, I found 4 to 5 nests, most were northern pintail but at least one was a mallard. The day I found them there was 1-3" of water underneath nests and throughout the area. All of the nests had eggs about to hatch and the hens were incubating; in fact I could actually see a hen on almost each nest. Three days later I checked nests and the water had receded and soils were saturated but no standing water. All of the nests were depredated.

Day with Jill Lucero in Unit 9 checking fate: found depredated sora nest. Also found teal nest with about 8 eggs about ready to hatch but 1 egg depredated and the others appear deserted (cold and damp).

UNIT 6:

-Starting at the south end of transect 33 and moving north:

- a) for about 150 yards: flat has new growth baltic rush at 2 to 2.5 feet with pockets of scattered slender spider flower (flowering). Soil is saturated. Scattered foxtail to the east of transect center line. Very little to no whitetop.
- b) New growth juba, height increases to 3-3.5 feet, scattered new growth of curly dock, very scattered new growth lela. Water at 2", scattered mint, scattered (and flowering) calimagrostis.
- c) To the immediate east of the small salt grass pan: is scattered, new growth of tyle at 4 ft tall.
- d) Pockets of new growth spike rush species, flowering.
- e) Disp pan
- f) New growth of juba
- g) Tyle increases as you move north, as does hoju (fox tail), Nuttal's Alakali grass increases. Water at 1.5 to 2". We may have kept water on these meadows too late into the summer. We kept it longer this year because vegetation and waterbird chronology seemed to be 2 to 3 weeks behind normal. All waterbird species (ducks to blackbirds) are still in early stages of nesting on 12 July and most should be out of the egg stage by now. Without searching I've found at least 5 red-winged blackbird nests with newly hatched young. We also kept water in the meadows of Unit 6 (A but primarily B and C) because they are some of the only wet meadow habitat on the refuge with water. We are maintaining water to provide foraging habitat for waterbirds as well.
- h) At mid-pole: 1.5" water, scattered, new growth of tyla near pole, tyla at 4 ft.

Between transects 33 and 35, closer to T35 and in the middle of transects observed: 5 broods of ducks, different species of puddle ducks, age of ducklings from 2A to 3A, about 30 adult and young Wilson's phalaropes, 4 American avocets and about 50 hen and

drake puddle ducks, primarily Gadwall. All of these waterbirds in just a small area. Then in a 1.5 mile stretch including the mid-poles of transects 33 and 35: area has 1.5 to 2" of water and additionally more young Wilson's phalarope, young snipe and 2 adult sora, 3 teal and gadwall broods, and 1 American bittern. These shallowly-flooded short emergent flats support waterbird broods and foraging adult waterbirds, from ducks to sora to phalarope.

Author: Ron J Garcia at 6DE-RWALM

Date: 4/27/00 4:47 PM

Normal

TO: Kelli Stone

Subject: Re[3]: duck nesting transects in May

----- Message Contents

Kelli,

I have in the past done units 3,9,18,23,5,and 11. That's back when the effort was my responsibility and I contributed the entire week and then some to it (rather than fussing with too many volunteers.) However, now that it's not my responsibility I'd rather reduce the number of units that I do and concentrate more on 3 and 9, taking more time to do them.

I'd condiser Units 11 and 5 also because I'd like to evaluate unit 11 for potential restoration. You will be taking unit 18 from me as you did in 99. I think that you and Lisa can do considerably more in a weeks time. FYI following is a schedule of how it was covered back when:

Unit 1 - Rick

Unit 2 - Seasonal

Unit 3 - Ron

Unit 4 - Lisa

Unit 5 - Ron

Unit 6 - Scott

Unit 7 - Rick/Scott

Unit 8 - Seasonal

Unit 9 - Ron

Unit 10- Lisa

Unit 11 - Ron

Unit 13- Lisa

Unit 14- Intern

Unit 15- Mike

Unit 16-Mike

Unit 17- Seasonal

Unit 18- Ron

Unit 19- Lisa

Unit 20-intern

Unit 21-Lisa

Unit 22-Lisa

Unit 23 - Ron

Unit 24- Lisa.

Intern = Maria's equivalent

Seasonal = Mike Laird's equivalent

As you can see above Lisa and I carried out probably more than half by ourselves. I think as a result we had cleaner data. I also think it's good to have the same people do as many of the same units as possible year after year because they get to know them so well they become very efficient at doing them.

Ron

Reply Separator

Subject: Re[2]: duck nesting transects in May

Author: Kelli Stone at 6DE-RWALM

Date: 4/27/00 3:19 PM

So you will do units 3, 9, and 23? Can you recall who has done 5 and 11 in the past? Mike Laird?

Reply Separator

Subject: Re: duck nesting transects in May

Author: Ron J Garcia at 6DE-RWALM

Date: 4/27/00 12:06 PM

Kelli,

May Nesting Transects 2000

June May

Jeff

Mike: Units 5 & 11, Transects 129-141 (~ 13.5)

Kelli: Unit 17, transects 73-95
Unit 6, Transects 29-53
Units 1 & 7, Transects 55-71 (~ 33 mi)

Todd

Eary: Units 2 & 8, Transects 73-83 (~ 8 mi)

Jeff

Rick: Unit 15, Transects 37-53
Unit 16, Transects 55-71 (18 mi)

Ron: Units 3, 9 & 18, Transects 83-107 (~ 32 mi)

Scott: Unit 14 & 20, Transects 21-35
Unit 21, Transects 37-53 (~ 30 mi)
Unit 22, Transects 55-71

Lisa: Unit 19, Transects 1-17
Unit 23, Transects 73-83
Units 4, 10 & 24, Transects 109-123 (~ 35.5 mi)

Brad

Brad Unit 18

June 00. Transects completed by staff

Lisa - Units 19, 23, 10, 4 (all)

U6 T's - 29 through 39

U 22, 23 (all)

Jeff U 15, 16, 5, 11,

U18 T's 97-103

Scott U 14, 20, 21

Brad U18 T 107 + 105

Kelli

U7, ~~11~~ all

U7 71 through 84

U6 41 - 53

U3 all

U1 all

Ron U9

U18 Ts 95-85

Mike Blenden \emptyset

Rich S. \emptyset



ESTIMATED DUCK PRODUCTION ON THE MONTE VISTA NWR, 2000:
(Rough Draft)

Total duck nests found in May and June: 83 (337 acres sampled)

- Number of successful nests: 41 (49.4 %)
- Number of destroyed nests: 37 (45%)
- Number of abandoned nests: 5 (6%)

Above average number of nests found in May but below average number in June.

Species Composition of Located Nests: Mallard: 64%, 8 species (Gadwall, Blue-winged, Cinnamon, Green-winged teal, Northern shovelers, Northern pintail, Ruddy duck).

Apparent Nest Success Rate: 49.4%

Estimated Number of Nests on Entire Refuge (11,727 acres) = 2,888

Estimated Number of Successful Nests on Refuge: 1,427

Number of Class 2C and 3 Broods Observed on the Refuge: 64, average brood size=5.1

ESTIMATED NUMBER OF DUCKS PRODUCED TO FLIGHT AGE: 7,277

31 year average (1964-1996) of ducks produced: 13,021.

Monte Vista NWR	1996	2000
# total nests found	85	83
estimated nests on refuge	2,958	2,888
apparent success	55%	49%
estimated successful nests on refuge	1,627	1,427
avg. size of broods (class 2c-3)	4	
Estimated Ducks Produced to Flight Stage:	7,877	

17 NOV 03
 Some details
 (relative to # prod etc)
 may have changed
 b/c of 2003 effort
 to consti make
 codes/data consistent
 KA

04905
 # 0004608487

Mike, please save this, it's my only copy.

Red = corrections based on quatic profile. 9-29-00

Preliminary Results of June (19-24), 2000 Duck Nest Transects:

① ²⁹ ~~28~~ total nests found. 7-year average (1992-1998) of June nests = 41.4

② ^{June} Nests found destroyed = 9
 Nests found hatched ~~5~~ ~~4~~ 5
 Nests found active 14 15
~~28~~ 29

③ ^{June} Species:

Mallard	14
unid. teal	4 3
CiN. or bw teal	3 4
Cin. teal	1
N. Shoveler	2
N. Pintail	1
Gadwall	2 3
Unid duck	<u>1</u>
	28 Nests
	29

④ Units ^{# May} # June Nests

9	11
7	5
3	2
7	2
4	1
2	1
6	2
1	1
8	1
9	1
10	1
15	1
	<u>28</u> 29

⑤ Currently have ~~17~~ 17 Nests Active (Nests on transect); 14 from June And 3 May Nests that are still active.

⑥ fate of June Nests:

Not relocated	1	3	4
hatched	15	26	41
abandoned	2	3	5
destroyed	<u>11</u>	<u>26</u>	37
	29	58	83

Total
41 49.4%
5 6%
37 44%

Duck Nest Transects, 2000

Species	Active Nests in June		Active Nests June	Successful May Nests		
	from May	found in June		total	found hatched in May hatched by June	hatched when found in June
Mall		6	6	20	2	22
Cite		1	1			0
Bute/cite	1	2	3	3	1	4
gute	1		1			0
NOSH		1	1	2		2
NOPI		1	1			0
Mall	1	2	3			0
Ruddy			0			0
und teal		1	1		2	2
	3	14	17	25	5	30

26 June 00 - Ron will calculate

2000
DUCK NEST TRAVERSECS

Unit	Nests found in MAY	Nests found in June
1	3	1
2	0	1
3	11	2
4	6	1
5	0	
6	0	1
7	2	5
8	0	
9	21	11
10	1	1
11	1	
12	0	
13		
14	1	
15	1	1
16	0	
17	4	2
18	5	1
19	1	1
20	1	
21		
22		
23		
24		
TOTAL	58	28

Nests found in June
7yr average 1992 - 1998 = 41.1

Nests found destroyed 9
Nests found hatched 5
Active Nests found 14
(28)

2000

(58 Nests. MAY)

#100 - NOT used

PL

✓ checked on Map

○ missing sheet

Found in May	Relocated in June	Unit	T
101 • Cite	y destroyed	11	137
✓ 101 • Gadw/3	(N)	15	37
✓ 200 • Gwt	<u>ACTIVE</u> hatched	19	13
✓ 201 • Mall	y (hatch)	4	111 Hatch
✓ 202 • Mall	y (hatch)	4	111
✓ 203 • Teal	y abandoned	4	111
✓ 204 • Mall	hatched	4	109
✓ 205 • Teal	abandoned	10	109
✓ 206 • Mall	y (?)	4	119
✓ 207 • mall	hatched	4	119
✓ 300 • Mall	destroyed	20	23
✓ 301 • Ruddy	destroyed	4	27
✓ 400 • Teal	destroyed	17	79
✓ 401 • Mall	(N) is destroyed	17	89
✓ 402 • Mall	destroyed	7	67
✓ 403 • Mall	abandoned	1	63
✓ 404 • Mall	destroyed	1	63
✓ 405 • Mall	hatched	17	83
✓ 406 • Mall	hatched	17	83
✓ 407 • Mall	hatched	7	51
✓ 408 • Mall	hatched	9	91
✓ 409 • Mall	hatched	9	91
✓ 410 • WSH	hatched	9	89
✓ 411 • Mall	hatched	9	89
✓ 412 • Mall	destroyed	9	89
✓ 413 • Mall	hatched	9	87
✓ 414 • Mall	hatched	9	87
✓ 415 • Mall	found destroyed	9	87
✓ 416 destroyed • Mall	destroyed NA	1	63

page total:
13 hatched

K found nest in May

20 Nests

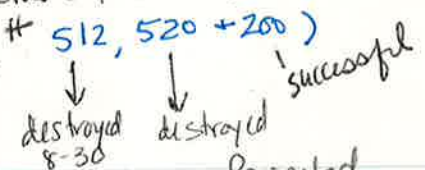
2000

page total: 2 hatched @ Andrey
10 hatched 12

Nest Found in May	Relocated/fate in June	Unit	Transect
✓ 500 destroyed • Bute/cite	NA	18	97 1/2
✓ 501 • Mall	Yes. (?)	18	107 (Brad W)
✓ 502 destroyed • mall	NA	18	97
✓ 503 • cite/bute	hatched	18	97
✓ 504 hatching • Mall	NA	18	93
✓ 505 • Mall	hatched	9	105
✓ 506 • Mall	hatched	9	105
✓ 507 • NOSTH	hatched	9	95
✓ 508 • Mall	destroyed	9	95
✓ 509 • Bute/cite	hatched	9	95
✓ 510 • Mall	destroyed	9	93
✓ 511 hatched • Mall	hatched	9	93
512 Bute/cite	<u>active</u> destroyed 8-30	9	99 <small>Pen found nest</small>
✓ 513 real! 5 Bute/cite	destroyed	9	99
✓ 514 Mall/.7 Mall	hatched	9	99
✓ 515 at Mall/.7	destroyed hatched	9 9	101 99 1/2
✓ 516 514 Mall/.5	hatched destroyed	9	101 99 1/2
517 516 Mall/.2	hatched destroyed	9	103
518 • Mall	couldn't find (KS)	3	103
✓ 519 • NOSTH	destroyed	3	103 1/2
✓ 520 • Gadw	<u>still Active in June (27)</u> destroyed	3	99
✓ 521 • Bute/cite	destroyed	3	93
✓ 522 destroyed Mall	destroyed NA	3	93
✓ 523 • Mall	destroyed	3	93
✓ 524 • Bute/cite	hatched	3	93
✓ 525 destroyed note	NA	3	91
✓ 526 • Mall	destroyed	3	87
✓ 527 • Mall	hatched	3	87
✓ 528 • Mall	hatched	3	85

Doesn't include nests found in May + still active (# 512, 520 + 200)

on map



= Nests to check for fake.

June Nests

#	Sp	egg	June status	Projected recheck date	Unit	Transect
102	teal Butt	8	hatched		18	102
103	Mall	6	destroyed		15	49
208	Mall	2	fresh	July 18	19	11
209	Mall	8	destroyed		4	113
210	Butt/Cite	11	21 days	> July 1	10	117
211	NostH	10	19 d	> July 1	6	33
212	Gadw	10	18 d	found weekend after transects > July 1	6	29 1/2
417	Mall	6	23 d		1	71
418	teal	10	17 d		7	67
419	Mall	5	hatched		7	57
420	Mall	9	destroyed		7	53
421	cite	10	23 d	> July 1	7	49
422	teal	6	destroyed		7	49
423	Mall	?	destroyed		17	83
424	teal	?	hatched		17	73
425	Gadw	10	4 d	July 15	3	103 1/2
426	unid	?	destroyed brue		3	103 1/2

~~512 Butt/cite 7 laying 9 99 1/2~~

529	Mall	3+?	destroyed		9	103 1/2
530	Mall	3+	destroyed		9	101 1/2
531	Butt/Cite	8	15 d	> July 3	9	99
532	NostH	9(10)	destroyed when		9	99 1/2
533	NostH	6	8 d	> July 11	9	95 1/2
534	Mall	7	19 d	> July 1	9	91 1/2
535	Gadw	9	laying	> July 19	9	89 1/2
536	Butt/Cite	9+	hatched		9	89 1/2

Nests found in June 2000, continued -
~~June~~

Nest #	Spp	eggs	June status	Unit	I
537	Mall	8+	hatched	9	85 N/2
538	Mall	7	21 d	9	87 N/2
539	Mall	7	17 d	9	89 N/2
600	Mall	8	8 d	2	77 N/2

Kelli - 2 Nests in June w/ #417. Can't find data sheet for "417" in Unit 7

Total Nests found ^{June, 2000} ~~28~~ 28

Nests found hatched:	5	5	5
Nests found destroyed	89	9	9
Active Nests found:	1415	13	1415
total	28		28/29

i) Missing data sheet for #415
 a) did not find 3 Nests
 101
 401
 518

<u>U19</u>	Units	# June Nests	Unit	# June Nests
	18	1	1	1
	15	1	7	5
	4	1	17	2
	19	1	3	2
	10	1	9	11
	6	1	2	1

(28)

2000

May
Nests

June
Nests

(Ducks)

write up

+ email to

Mike, km, Lisa etc

1	3	1	Wiph	2	✓
2	0	1	M. Wren	2	✓
3	11	2	Amau	5	✓
4	6	1	RWB	5+	✓
5	0	0	C. Snipe	2	✓
6	0	1	Short eared owl	1	
7	2	5	yHBB	1	
8	0	0	Wip		
9	21	11	Meadowlark	1	
10	1	1	NoHa	4	
11	1	0	Sage thrasher	1	
12		0	moder	2	
13			11 species		

14	1	0
15	1	1
16	0	0
17	4	2
18	5	1
19	1	1
20	1	

Unit #	% of total May Nests
9	37
3	19
4	11
18	9
17	8

7 species ducks
11 nongame spec

58

Mall 39 (68%)	Nostt 2
Gadw 2	Bwte/Cite 9 (16%)
Und tal 3	Ruddy 1
	Gwte 1
	<hr/>
	(57)

Notes say that Amav + Wiph along T 71-67 is "typical" of entire unit.

Unit 7	BNST	Amav	SPSa	kill	Wiph	Sample
T 71		60	1			
69		20 95		25	40 85	
67	8	70 65			40 70	
65		50	3		~150	1
63	2	48		10		
61		+		20	+	
53 55	6	55		20-40	~30	
55		~30	1		~40	5
57		50			35	
51	6	60	2		55	
49		2.5				2
		538 ÷ 10 ~54 per transect			46.5	
area 111		54 * 16 = 860				
					U7	16 Total Transects
					71-	10

Copy

APPARENT NEST SUCCESS, NEST DENSITY
AND NUMBER OF DUCKS PRODUCED
ANNUALLY ON MONTE VISTA NWR
1964-1996

<u>YEAR</u>	<u>PERCENT NEST SUCCESS</u>	<u>* AVG. DENSITY</u>	<u># DUCKS PRODUCED</u>
1964	55 (55.0)	258 (258)	13,976 (13,976)
1965	56 (55.5)	210 (234)	15,101 (14,539)
1966	77 (62.7)	257 (242)	22,888 (17,321)
1967	62 (62.5)	241 (242)	20,133 (18,025)
1968	54 (60.8)	312 (256)	18,120 (18,044)
1969	62 (61.0)	297 (263)	24,247 (19,078)
1970	48 (59.1)	296 (267)	19,536 (19,143)
1971	38 (56.5)	288 (270)	13,942 (18,493)
1972	48 (55.6)	173 (259)	12,299 (17,805)
1973	49 (54.9)	326 (266)	7,920 (16,816)
1974	32 (52.8)	149 (255)	5,274 (15,767)
1975	43 (52.0)	89 (242)	4,570 (14,834)
1976	39 (51.0)	130 (233)	2,849 (13,915)
** 1977	12 (48.2)	- -	1,123 (13,002)
1978	28 (46.9)	75 (222)	2,135 (12,277)
1979	42 (46.6)	72 (212)	5,681 (11,865)
1980	37 (46.0)	176 (209)	8,466 (11,665)
1981	42 (45.8)	198 (209)	12,600 (11,717)
1982	49 (45.9)	209 (209)	13,525 (11,812)
1983	48 (46.1)	217 (209)	13,511 (11,897)
1984	52 (46.3)	285 (213)	20,576 (12,310)
1985	65 (47.2)	289 (216)	18,078 (12,573)
1986	65 (48.0)	257 (218)	22,269 (12,994)
1987	65 (48.7)	342 (224)	26,584 (13,560)
1988	55 (48.9)	285 (226)	20,532 (13,839)
1989	58 (49.3)	247 (227)	17,243 (13,970)
1990	50 (49.3)	171 (225)	8,366 (13,762)
1991	23 (48.4)	148 (222)	3,732 (13,404)
1992	35 (47.9)	180 (221)	7,716 (13,208)
1993	52 (48.0)	177 (221)	10,434 (13,116)
1994	59 (48.4)	203 (220)	13,402 (13,125)
1995	56 (48.6)	161 (218)	9,806 (13,021)
1996	55 (48.9)	161 (216)	7,874 (12,865)

* Estimated nest density is calculated in nests/square mile.

** Transects were not run in 1977, production based on pair and brood surveys.

Current Year (Running Average)

Total 49 nests in May w/ 68% Apparent success

	1998	1997	1996	1995	1994	1993	1992	1991
May →	49 (68%)	45 (57%)	50 (53%)	41 (55%)	46 (61%)	40 (39%)	47 (?)	
June	38	54	35	44	61	52	48	?
TOTAL	87 (56% May)	99 (45% May)	85 (59% May)	85 (48%)	107 (43%)	92 (43%)	95 (49%)	

1992-1997 Avg # of Nests in May = $269 \div 6 = 44.8$

1993-1997 Avg. Apparent success of May Nests = $260 \div 5 = .52$ or 52%

1992-1997 Avg # of Nests found in June = $294 \div 6 = 49$ nests

1992-1997 Avg. percentage of total nests found in May = $287 \div 6 = 47.83$

	99	2000
May	35 (50%)	57
June		

1964 - 19

Raw Duck Transect Data

16 May 06 pl Unit 6 Stone
U6T37 S-N

Unit 6

flat w/in bc:

- disp, slender spade flower, sc halogiten, soil sat.
- jubA, bog, lela

flat w/in ~~bc~~ bc

- ground flat - saturated, salts @ surface, disp Vesper spannes

mid pole →

flat → og jubA w/ Ng jubA of ~12-15", sc og lela
lela increases as you move north. 2-3" h₂O underneath!

flushed teal & snipe. The level of og jubA is
not quite dense enough or tall enough for mallards
but w/ Ng jubA it could be in -1 or 2 yrs - good
for future. Now - is great snipe, wph, RWBB & prob
teal, SC cane

Northern portion turns to more salt grass comm. disp, Murrey
the area S of line of ground is shallowly flooded (1-3")

Water Mgmt: if possible stop H₂O flow into
N end of bc - ground + disp + lela

Most N. end: dominated by a grass (large) spec -
have i.d. in past w/ Hoberg. It may be a noxious - not a
classified weed but monoculture/invasive. Dry

4b
T37 □
N-S

North →
Flat →

mix of but has 6-7" Ng jubA & 1-3" h₂O
SC lela, SC jubA, SC og oak. SNIPe

- strip of disp par. sat
- hoju og, Alkash grass, sc lela 1-3" h₂O
- expanse of og + Ng (18-21") jubA + og cane,
pockets w, all → 2-4" h₂O SNIPe, RWBB

2546
Continuing
H₂O
along T37
N-S is
good
except - not flooded
places

May 16, page 2
U6 T37 cont

mid pole →

flat → clumps of veg + veg subst, pockets of
(yhbb,

3-5" water

smth end: deep pan which is 90% flooded w/ SW of 1-2"
(gauge @ 6C:

U7, T43 - S-N

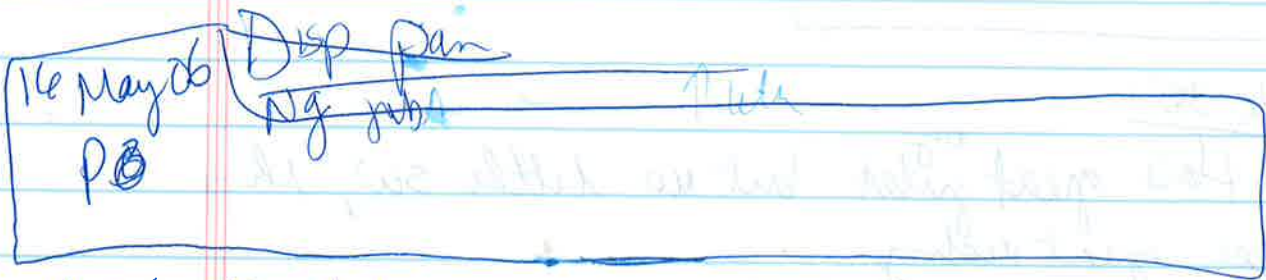
- N of ditch → grass + deep

→ flat of clumps of dense ^{veg} juba - growth from
07 or 05? in good shape relative to (+) structure, also
areas of bare ground - would be good area to flood
in Feb Mar of 07 - then Bg turns to deep -
so its a mix of deep + juba, area is just E of series pond

from Spole to mid pole - all veg is dry - H₂O in borrow
of 6C. Series pond is saturated. There is a
total mid pole → (↑ lila around mid pole + area)
deep pan, very little to Ø lila @ S end, currently
sat to 1"

Water Mgmt: can not raise H₂O in U6 due
to NESTING (↑ species) pump
to maintain

*need to stop adding H₂O to deep pan @ Nad of
T43 (from mid pole N to N border) - just
irrigating horn, lila + I don't want to freshen + disfavor deep



Unit 6, T41 N-S

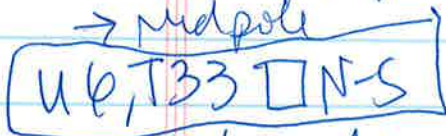
- disp pan

- expanse (1/4 mile) of og juba but not thick mats of it probably 05-04 growth, w/ ↑ Ng juba @ 12-18"
 And ↑ og lletA (woody lletA), all has 3" H₂O underneath. RWBB, YHBB, Snipe, wiper

there is a small ditch thru area, once Tran crosses at the juba ↑ esp og. Do Roberts to document any changes in lletA (juba outcompeting lletA in this area)

→ disp, growd (~75 yards) SE Ng juba SW 1°

→ midpole



Npole - dense og juba but very little green up + very little H₂O

Mid pole → shallow H₂O 2-3" around pole but even to N has very little green up under og dem.

Along T41
 U6 Nend
 like + SW
 RWBB study

U6, T35 ◊

Mid pole 35

Has great ^{og} jobs but no little sw, this area has been great veshy

T's 37+35: The veg flats they run through have dense og sem but very little H₂O, only water near is near small area around each structure.

[2-MIT (T, NW)]

16 May 08

U6, T47 \diamond N-S

H₂O Mgmt - ^{consider} don't cut off all H₂O in ditch @
S end of U7 - habitat for narrow \rightarrow horn/egret

U7 ~~U6~~ T47 - 100% dry, \emptyset H₂O in Bonrows
U6 T47 - 95% dry. At most northern end of transect -
under sedge + subst is 1-2" H₂O But \emptyset green up.

Dry conditions appear to be helping improve quality of some habitats - notably deep + gravel - reduction in U6.

T45 Unit 6

Water in Impoundment, some H₂O under eg kn but not much - not by design.
Rest of Transect 100% dry

T45 U~~6~~7

100% dry

T51 \diamond U7 S-N

S to midpole
100% dry

In U7 (+ U6) T's 43, 45, 47, 51, 49 -
even though some dry there is no new growth of any weeds either - no thistle nor U6. \rightarrow to very little

U7 T51 mid pole - dry. The area around mid pole -
esp to the N + East probably needed to be drier it
was coming from a deep pan/wetland to U6 + subst

U7 T51 mid to N - all dry except the meadow
btwn Spring Creek Canal + the greasewood flat to the N
This swath of ~ 75-50 yards has big sedge, sedge
esp + subst of 1-3" H₂O underneath. NO visible N₂.

10/11/21

Q: What is the difference between a substitution and a transformation?
A: A substitution is a mapping from one set to another, while a transformation is a mapping from a set to itself.

- A substitution is a mapping from a set to another set.
- A transformation is a mapping from a set to itself.
- A substitution is a mapping from a set to another set.

Definition:
A substitution is a mapping from a set to another set.
A transformation is a mapping from a set to itself.

The image of a set under a substitution is the set of all elements that are mapped to by the substitution.

Image of a set

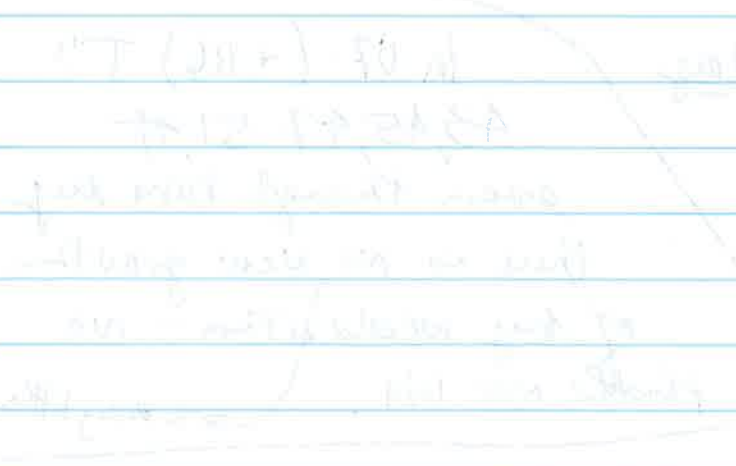


Image of a set

Image of a set

The image of a set under a substitution is the set of all elements that are mapped to by the substitution.

The image of a set under a substitution is the set of all elements that are mapped to by the substitution.

15 MAY 06

Unit 9 page 1

T 107 ^{NS} SE-N

(Starting @ Nend - @ Sandersm ditch & road

Unit 9

TS 105 + 107

S of 2nd lane crossing: dominate lela w/ sw underneath
(study site for John Manning?)

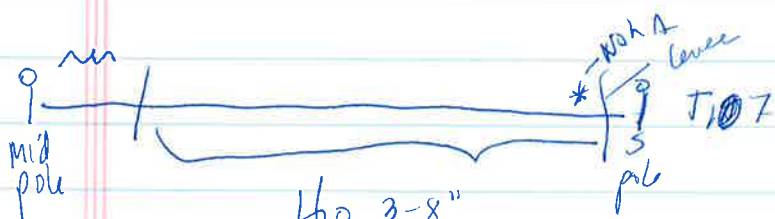
from Sandersm ditch to midpole 80% of area has the 5-8"
but the veg is all (85%) of lela.

There is a large (~200 yard?) wide expanse
of juba - got dense & 17-24" tall w/ sw underneath
found hatched Nest #1 in here, it begins 1/4 mile south
of T 107 mid pole. It looks good re to density + composition -
area to N has teta much more lela. Looks better than I remember)
from last time I walked it - relative to spec comp + density.

Juba grew here in OS (good). No sig of juba observed
anywhere - Nor sig of lela
on T

Bulrush area has 5", Bulrush grew in OS - upright +
not decedent. Cage pair, M. wrens, langri

area of tyIA - looks like OS growth - vigorous, all
has 3-8" H₂O underneath
sw all the way to S road = 49



NOTTA Nest

H₂O 3-8"
w/ juba, bulrush + tyIA - dense, little to Ø lela
vigorous
great nesting bet

U9 p2
15 May 06
T105 S-N

from S pole to "ditch" that runs W-E, there is ~~10%~~ 95% SW (2-8"), @ S end of T is juke. But rest of T transect (to this point) has lala, drip, A. Nuttal grass, hoju

"E-W" ditch →

flat → og hoju, og lala, clumps of og juke drip, ^{A. Nuttal} ^{all w/ SW} 2-4"
levee → flat (25 yds) ^(B. Nuttal w/ H₂O)

levee - "drip pan" - saturated to flooded
- strip of hoju + SW

mid pole → Amat, w/ok

↳ drip, w/ H₂O, H₂O moving into area from levee to W

H₂O in this area - is covering drip - but if H₂O is cut off here will be on 107 as well where there is (+) juke

levee → (w/ lala)

flat → lala, SW, hoju (all veg is og)

some sc veg left

levee → borrow w/ H₂O

UNIT 18 § 3

18 May @ Store pl

U18, T101 N-5

- Near dry

- where ULA + undisturb of og subA begin
(~ 125 yds S. of N pole) SW of 2-3"

Ng of Ulla (3") and og subA 5"

Salt pan dry
Mid pole → dry from mid - south pole

U18, T103

S - Mid pole 100% dry

Mid - dry

Impoundment @ mid pole 103 dry, salt grass
pan dry, TEM - dry underneath

All of TEM on line is dry as are
the un-veg portions of impoundment

We are drying Dec on purpose -
to burn in OF + due to drought,



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18 May 06
418, T/05 □

N pole to Mid pole: 100% dry, impoundment
had some small patches of SW.

Mid pole →

~100 yds S of mid pole is large expanse of
og Juba (05 but much is 04-03-?) of great large
expanse of good structure & density. wd'd
like to figure out how to irrigate it. Steps
of og Juba. All dry underneath

Shaw Brai - dense expanse of Juba @ S end of T/05

DO Did I find a mall nest on T/05 S mth
end 418 ~ 05 or 04? Found old dep Mall Nest
today - May 18

Mid to S

there is some SW @ very south end of T/05, under
T&M

DO - ① check nest form (#3 2005) wa. Fate?
Mall 10 eggs @ 21 days

I found flag today, briefly looked for nest
but didn't find.

② check nest form #11 (2005?) fate?
Found # flag ^{- no date}
flag looks old

18 May 06, p 2

U18 T 107

- S to Mid Pole - all of TEM is dry to saturated

DO * Sandusbury U3 is 10 ft deep
And under it is a Road

U3 + 83 N-S

- from Spruce lawn canal south to Road -
had 8" to 4 ft H₂O, spilling over from Spruce lawn.

U3 T 85 S-N

U3 89 ^{mid to} Pole - N: exposure of
dense og (05? - probably older) ^{just mixed}
w/ ridge species + cone but dry.

89 N

87 N to mid - 16A + thistle

Water in most N. canal

Stores

transsect

15 May 06 Unit 1 T55

- Along T are intermittent patches (large patches) of juba + Big sedge + cane, 1-2 lge patches of sedge

- But \emptyset water under any veg
NO sign of ducks or ^{any} water birds

Meadowlark + Sparrow spec present.

- old tyLA strip - has og cane + og tyLA

Unit 1 T57
N-S

- the only H₂O on trans is in canal $\frac{1}{2}$ ~20 yards under some juba.

Veg along Trans: sedge patch (in \pm) shape - little lLA), patches of ^{Big} sedge + cane, juba (less juba on 57 trans 55)

\emptyset waterbirds - except 1 pr Nuth in ditch.

Unit 1 T59
S-N

- At S. pole there is some SW under "Big sedge" (Ne b sedge?)
And juba (mixed together)

canal - has H₂O

Road \rightarrow
small pond \rightarrow has H₂O, some og tyLA (or 50 yds)

- sedge patch - SC chernopod + spider flower, But 1^o dense sedge -
spec comp is \pm little - lLA on Transsect Sparrows

sc grwd. Soil - ~~satur~~ wet/damp - But RAIN Night Before.

- strip of dead tyLA + cane No regrowth of either species yet, no H₂O under ^{veg} either

- large blocks of juba + Big sedge - growth from DS as well as old residual. But \emptyset lLA, cane

T - looks good relative to lack of weeds - S. end has lLA but from canal N - is \pm veg comp, very little chenopod or hoja even.

Unit 1 T61 N-S

- ~~the~~ btwn N end + Road to south: the tyLA + bulrush patches:
tyLA has been dead for 7 years, cane has invaded - no new growth yet of either. Bulrush areas - look as if they had growth in

DS, bulrush areas do NOT have any weeds - juba, chernopod etc. Day now.

PA 15 MAY 30

T61 cont - Impoundment bottom - dry (most - RAn night before & a small amount of sw remains in ^{east part} pond too), however no weeds present!

- Area Btm Road + canal: has sw & cane, juba RW BB, wiph from S pole to road: 1° cane & another wetland grass - little lila! - Actually none except ~~to~~ small patches to W.

T63 S-N

- S end has lila + juba dry now But sw does appear ~ 75 yards N of Road & extends to canal & beyond to N Road (Rd on S. end of impoundment. H2O in sem-juba + Big sedge Nub But & ducks - RW BB, SORA

1 mall ♀ flushes from W - in sw + Nub sedge area - way off line

- N of impoundment - impoundment dry except small patch of water, unveg areas however have ~~of~~ weeds. Strips of ten to N of pond have ~~of~~ H2O + NO sign of new growth.

Juba patches (dense + '05 growth) at N end of T are

dry now.

U1 T65 N-S

N Pole →
Ditch → has H2O

flat → a sedge spec - lila, cane, mix of some sem, disp. dry.

- Patch (100 yds) of juba some/much growth from '05, dense. dry fringes of big sedge ('05 growth) + fringes of og tyLA + cane Run through Juba patch

Alternating fringes - but wide ~ 50 yards each - of prostrate & og tyLA, '05 growth of juba, '05 growth of Nub sedge '05 growth of cane. All Day (moist)

RD →

Canal → full. SW extends N+S of canal into veg but dominate veg is Nub sedge, ~~and~~ cane, sedge species strip of og lila @ S end of T.

15 May 06 p3. Unit 1 cont (p3 of 41)

T69

S-N - large patches of cane, sedge & (less) jubA, some has sw about 50-75 yds, not dry. No duck activity. Canal w/ 160

Road → ~~U69~~ → Road to S end of U1

- strip of og lula + og cAR. Both prostrate, cAR ~~75~~ 75%, lula 25%
- strip of os jubA + os growth edge (dry)
- then strips of diff veg alternate, strips of: og tyIA w/ 75% old cAR, All dry.

- growth strip

- strip of mix veg: some sem plants (sedge, jubA) but lula increases, last or most N 150 yards: drier + alkali mucky but also lula (lula is in strips but 30% of veg) dry. This area also has og spike rush (2-3 yrs old, brittle grey) (stop recording)

Road →

flat - os growth of jubA, cane + Neb sedge some sw underneath. RWBB (site for John?)

Southern 100 yards: os/ot growth + jubA + cane but lula becomes prominent esp @ S. lula is ¹⁵⁻¹⁶ 30% of area - in strips (spider flower)

U171 N-S

- old cAR strip just S of canal - cAR extends S into sem.

(~ 75 yards)

- Patch of 1° (95%) jubA (os + older growth), dense tall ~ 14-20". Dry (this patch ~ 50-75 yards)

- expanse of og tyIA (flat (prostrate) @ least 2 yrs old - has og cAR. This area is part of

impoundment

- Road →

- og + os of sedge species Big sedge but not NEB 1/250

15 MAY 05
P4

In canal edge - found Mall σ^1 - looked sick, didn't
flush but then swam off - too early for molt
canal \rightarrow

flat \rightarrow sedge species but also ~~canal~~ came, little lila,
converting to a drier grass/veg community - had muddly as well. Sparrows

U7T71 NS Northern
borrow (in 1st levee) dry

flat \rightarrow og chenopod, dog, lila. Some ng lila - first I've
2-3 spec seen these insects - all green up
of all veg seems behind this
year.

2nd levee crossing: dry

flat: 1^o small / short ~~Halogeta~~ Halogeta chenopod spec (5"), veg not dense, dry
pud pole \rightarrow (missing spec)

flat chenopod, dry
levee - ^{borrows} saturated to dry

flat: chenopod
- og + ng hoju, short 4 inch and ng forb, small patches

of og jubas + small patches of og bulrush.
levee \rightarrow borrow has some standing sw i sat.

flat - og jubas + sc ng jubas

Unit 6 TS 29+31
Unit 4 TS 121+123

22 May 06

U6, T31 S-N

- dry from S pole to mid pole. Most is gravel
some veg subA + SC to clumps of veg like
mid pole →

- 1/4 mile N of mid pole is dry
shallow H₂O! under veg subA (scattered)
veg cane/sedge, veg leaf. SC veg like @ ~10"
veg of the subA increases in height + density
as you move N

SW stops - veg cane, subA, SC veg
gravel flat → deep dry

small pond to W of Transit (near stand of clumps)
has SW, as did immediate area. Sem, some
remaining. Part of Transit is dry (moist)

T29

- The area we experimented w/ flooding +
bed pu + post stem counts, % cover, etc - (in 2004)
is dry now, some SC veg of subA

U4, T123 S-N

dry: veg thistle, veg cane, veg + veg leaf, deep, high
= } missed some area 2 canals both have H₂O

deep flat - moist to saturated
- veg leaf, veg, veg deep, veg high

Sat - 3" H₂O

pa 22 May

U4 T123 cont

→ Ng jubA, 1-3"
Borrow full

mid pole - 8" h₂O @ pole -
og leIA, grwd & on

Why are
we pulling H₂O
in this area? just
og leftward borrow
then grasswood

20 from Parva drain (- winter)
if that is a consistent source should
we decide to commit to irrigation (substantive)
if necessary, to commit to some no more

U6, T121 mid pole

To SE - calling sandhill crane on ground
looked for nest but didn't find

@ mid pole + S + W - a lot of Ng jubA some
as tall as 3ft, og leIA, and some small clumps of
leIA, patches of big low.
whb grazing, backbirds & crane

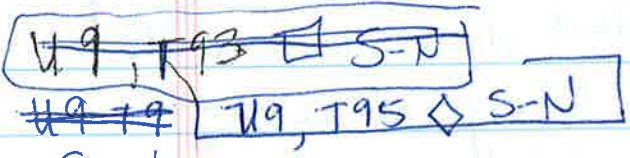
Ng tyLA patches of (3ft tall w/ yellow tips)

sw starts just N of mid pole & continues (3-8")
to N edge of grwd flat. Within this area (on T
& To W & E) Ng jubA + Ng tyLA - tall & robust
still patches of w btwn, also of leIA is still very
prominent (65% of veg cover?) Some ng of leIA

present w/ xtra canal H₂O (some cfs off
of spruce lawn, are we ungate^g jubA
flat on S end of U10 - T121?)

19 May 06, Stone

Unit 9 TS 95-89
MAY 06



Spole →

flat → og + Ng lila (lila dominant) some og + Ng
subA underneath. SW 3"

Area

• deep patches, ow, og chopod, og NAg & og lila.
lila prominent in many areas. All w/ SW 2-3"

levee →

flat → (barrow full)

- ow patch w
- patch subA Ng SW

levee → (barrow full)

flat → Ng + og tyA w/ 3" H₂O, Ng elop^f, Ng subA ~75 yards

w/ ph 25-40

duck species (1^o in pairs) - 30

w/ b - 10 fo

- deep patch, chopod, sc ground (50 yds)

levee →

flat → Ng elopⁱ, Ng subA, 3-4", w/ ph, WRb

levee →

flat → Ng subA @ 15", og subA - not too dense but present some

Some elop^f, sc og lila but only @ 10%, ow patches
(looks like (+) teal + perhaps Mall nest - not @)

"prime Unit 9" but ^{very} close to it - 95%

coyote, A. Bittern (EMT - just W of Trans, Mid)

BCNH fo

mid pole

5-Mid
100% has
SW

Mid Pole

flat → Maw! - There is sw here now but it is underneath
og juba - ^{low} ~~root~~ blades of green. Very interesting
to see how veg responds - w/ "late" water - ice
w/in last week or so w/ Empire Canal H₂O coming

area has pockets of Bg / now sw, og chernopod
(ND Mall Nest #10). area has mostly no pockets

~ 1/4 mile

- Ng juba increase - @ 10-15", some pockets of og juba,
pockets of OW.

2nd most northern little "levee" / high spot running W-E
flat → og chernopod, og lela, hopy

one of the few places I've

seen Ng lela (Ng of all veg appears late) ^{lela} Ng 3-8"

SW 3-5". Some Ng juba 4" in parts. But lela
is 75% of community. water depth decreases as you move North

93 dip increases at N end w/ decrease in lela - but lela present

- dip (2046)

- lela (og) _{ms} understory of Ng juba 8"

- sw patches, patches of og lela, patches of og chernopod
BNST 4 NS } defensive SW 2-4"
Amar 4 NS } throughout
WpH 20"

This area is about 1/4 mile N of mid pole.

Fl Man 06 p3

Unit 9, T93 cont

levee → fill

flat → swath (25 yds) of Ng + og juba

swath drop (25 yds), dry

expanse of juba Ng + og clumps w/ ~~the~~ pockets of
ow (5-8") . strip of og lila. og lila more common
→ mid pole

AMAU

To West

expanse of Ng + og juba clumps, fairly dense
w/ ow (3-5"), juba not in a dense, uniform distrib
but dense clumps (~80 yds) sc Ng + og

- open to w/f elsp
- juba Ng w/ sw

levee →

↑ lila on levee

flat → ow (2-3") . sc Ng + og

} ~ 50 yds

- w/ ph 50 20, juba pan 1, fo w/f

expanse of og + Ng juba w/ pockets ow

3-5"

levee →

flat → drop, og lila, og clumped, Bg

(ND 11)

w/ sw 1-3"

- clumps og juba, Ng juba, pockets ow
T93 95% wet (3 2"-8")

Unit 9, T 91 ◊ S-N

Spale →

flat → Ng + og juba, og ~~are~~ not a solid distrib of (sw 3-8")

juba, fragments of ow, sc cane
drop flat 25 yds

RwBB.

levee →

flat (next p 52)

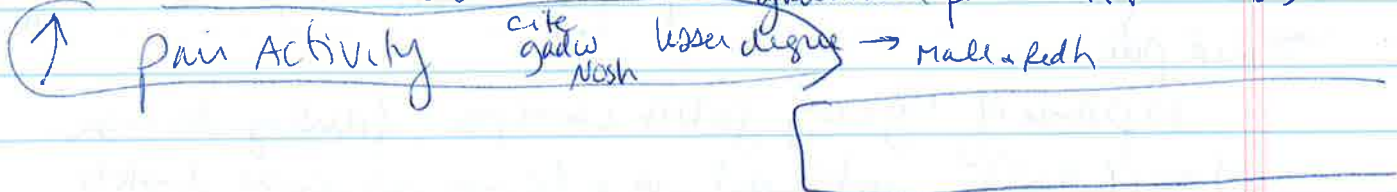
91 cont

flat → gwad, Bg (altali)
Sw 1-2" in places.

Amav

(~75-100 yds)

- Ng jubA 18-24" patches sw (3") sc og tyla (~150-200 yds)
- Amav 2 Snipe " Yhbb (ns)
- Rw BB x gadwall pairs " Wfb 20 fo



Portions of 91, 93, 95 - have better jubA stands - And water is more evenly distributed than 96 when we have been migrating

levee → ^{barrow full} (suspect Mall nest on levee when T crosses ^{but couldn't find})

flat → (hear Mall ♀ - w/ ducklings - sounds like it)

og + ng jubA clumps, sc og tyla, "sw pockets are dominant - pockets / sc 3-Square (og) + ^{small} patches of bulrush, ng elzp (P), Yhbb, wph

- 20 yds of 1" ow (8") w/ ng elzp (P) - but ng + og subA is more dense just to W. of barrow
Barrow full.

levee →

mid pole →

flat: Ng jubA, og jub, sc og + Ng tyla, pockets ow, sc og tyla in places. All has 3-8" sw.

(Ng tyla to E of center pole, all has H₂O
sem "looks" dense enough to provide duck nest cover

but not flushing any ♀ - seeing pairs - even Redh "

Amav - 2, fo in ow pocket, wph

can see "wall" of og tyla to E ~300 yds

ps, 19 May 06
U9 T9 (cont.)

- pockets of + ng juba, pockets of ow, pockets of + ng
tyla, all has 4-6"

Majority of T91 has sem veg flooded w/ sw
↳ 80% . The sem vint yet a 100% blanket
of dense sem - has pockets of etc

The 300⁺ yards S. of N Pole: has og (~~ow~~) juba and
has 3-4" H₂O now but I believe based on lack of ng juba
(And H₂O supply) that H₂O is recent - within last 2 wks w/
Empire Canal. Some ng. of juba - scattered and short 8"

Density & height of og juba increases @ N end

(91 - ~~100~~ ⁹⁸ % ~~sw~~)

U9 T91 89 N-S (off-line)

flat → og juba, og cane, ow pockets, ng juba 6-10", all
has sw 3-7". (~ 300 yds)

• Ng tyla @ ~ 3-3.5ft, og tyla 3-3.5ft, ~~6-10~~ 8-12"

H₂O underneath. Still space btwn tyla plants, some pockets
of Ng/og juba underneath, but 90% tyla stand.
(some larger expanses of juba just to W of CL)

Hard to determine CL - pile of dirt from ditch clean up
obstructs N poles & S poles missing

levee → full brow

flat → ng tyla @ 3.5ft

U9, T89, N

mid pole →

→ although observed 4-5 prs of MAIL in area

old juba - thin but even distrib. NOT in clumps
og is tall ~ 2ft, ng juba 14-24" coming in SW 4-8"
I don't think og juba is dense enough for duck nest - but close

pk 19 May 06

89 cont-

- ow patch (75 yards)

- Spruce Lawn →

veg } flat: ow, og + Ng clumps of jubA, og WLA (@ 40-50% of

distrib of WLA + jubA change - there are a pair of 1° ow w/ small clumps jubA.

SORA 1

RWBB x

♀ + ♂ Mall 5

ate ♀ + ♂ 8

levee →

flat ow, 2H

(Water in T 89 from Spruce lawn S to S Pole
Bcs of ↑ H₂O in Spruce lawn (Hcfs))

T 89 mid pole - N

mid pole →

flat clumps of og + Ng jubA both @ 2 ft tall, ow pockets in between (6-8") not a blanket of dense jubA
Sc tyla ^{his Hab →} (from mid pole to levee) (Nest #7)
further N the

levee →

- tyla patch w/ 6-8" H₂O (50-70 yds)

og + Ng clumps of og + Ng jubA - quite tall (2.5-3 ft)

(T 87 N 5) @ Nest, 6-8" sw underneath.

N pole → sem (~70 yds) sw - 5-

- tyla - og + Ng - (dense enough for Mall nesting), sc pockets of og + Ng jubA. 8-12" flushed 3 Mall ♀s

P7, 19 MAY 06,
U9 87 cont

~~Spice lawn~~ →

flat flat → subA decreases @ S end (near Spice lawn)
tyle still present, 6-10" SW
Spice lawn - full (Hfs)

flat →

og subA, ng subA - sc + 6-8", og vng lla.

This area (W of Spice lawn) is probably converted
to subA but has large lla component, area prob may
been flooded in last 2-3 yrs - w/ overflow
from Spice lawn?
Spice !: wph' } Hfs NESTS

levee →

• drop pan w/ some SW, og lla, some pockets og vng subA
wph, 20 BNST + , Armau 6-8 ate -15
water increases to be 10" in places

• drop increases as you move S. most of drop has 4-5" H₂O
BNS

levee →

flat → • drop, grad 1-3" SW

• drop - not flooded but set

• grad + Bg - flooded (ii), ~ 3-8"

levee → grad + og lla, flooded - 4-6"

Repair T87, S pole in U9 - present Bud lawn, flag pen

T85 S-N

- large strips/patches of og subA, ^{larger} patches of drop +

grad - all dry.

- grad, drop, bg, dry (+)

- og subA patch - 70 yds, dry

- grad, dry
Mid Pole → dry

NEST DATA FORM

(circle one)

Area Search
Find

OR

Incidental Finding

Observer _____

Date / /

Unit # _____

Study Area _____

Pass # _____

FIRST VISIT

Veg COVER TYPE at Nest
%

Species _____
Nest # _____

Status (check one)

- Active
- Hatched
- Abandoned
- Destroyed

_____ # eggs
_____ Inc. stage
_____ # parasitic eggs





Dist. to standing H₂O _____ ft

Soil Surface (check one)

- Dry AT Nest
- Moist
- Flooded

Aerial Cover (check one)

- A. 100-75%
- B. 75-50%
- C. 50-25%
- D. 25-0%

FATE VISIT

observer _____

Date / /

(check one)

- Hatch
_____ # egg hatch.
_____ # egg remain
- Abandoned
- Flooded
- Destroyed
 - Raven/magpie
 - Skunk
 - Raccoon
 - Coyote
 - Unknown
 - Other _____



Notes: (flagged, location, etc)

19 MAY 06

U9, T85 (cont) N to midpole

N pole →

spring lawn →

flat → clumps of dense ^{veg} of subA, bulrush + typha clumps - 1° bulrush
all has 4-8", flushed ♀ Redh - not on line

(drop pan to W - ↑ AMAV activity)

good dense / tall clumps of ^{veg} subA but I bet
don't know how long the H₂O has been underneath - NO to very
little veg of subA (found Mall ND nest)

veg subA increases (bulrush ↓) as you move S

canoe + lake increase as you move S.

• drop pan - has 2-4" h₂O

AMAV 4 mobbing
WPK

- small canal →

- flat: drop patches patches of veg subA, 4-6"

veg subA, patches on

(drop pan directly W of tree: SW of 2-4") AMAV 4 (TOTAL 8)

- drop pan SW 2-4"

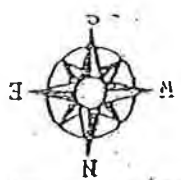
- ground, drop dry but sat @ N edge.

mid pole (cont)

→ all dry, sat in places

TO East of T83 @ N end there is a beautiful
drop pan!

Notes: (Flagged, location, etc)



FATE VISIT

observer _____

Date / / _____

Hatch

eggs hatch _____

egg remain _____

Abandoned

Flooded

Destroyed

Raven/magpie

Skunk

Raccoon

Coyote

Unknown

Other

FIRST VISIT

observer _____

Date / / _____

Unit # _____

Study Area _____

Rass # _____

Species _____

Nest # _____

Status. (check one)

Active

Hatched

Abandoned

Destroyed

eggs _____

Inc. stage _____

parasitic eggs _____

Dist. to standing H₂O _____ ft

Soil Surface (check one)

DRY

Moist

Flooded

Aerial Cover (check one)

A. 100-75%

B. 75-50%

C. 50-25%

D. 25-0%

VEG COVER TYPE at Nest

SX Willow

Sve Greasewood

Cix Rabbit brush

Dst Salt grass

Gx Grass species

Mof Sweetclover

Wx Weed species

Jba Baltic rush

Cx Sedge

Ex Spikerush

Tja Cattail

Sva Bullrush

Other _____

Avg. Height of Veg. at Nest _____

NEST DATA FORM

(circle one)

Area Search **Find**

OR

Incidental finding

By Brian Davies

5-18-06

Unit 9

Initial/overview thoughts:

- water looks good/great, Depth + coverage are excellent. I know Unit 9 ~~is~~ self regulates water, we manage timing of when we can
- AS you go west, veg response gets better (more green Tuba/cattail) water has likely/obviously been there longer.
- Lots of duck pairs still of ALL species. A few mallard, pintail, redhead drakes singles, mostly mallard. But seems to be mostly pairs overall.
- seems to be a great # of Sora, especially as you work west.
- I'm shocked at the distribution of LELA. I knew ~~it~~ was here, but wow! Also, lots of cattail, especially transects ~~101-103~~ 103. I'm sure this reflects poor water conditions of last 5 yrs.
- seems to be a lot of open areas w/ good H₂O but not much veg/new veg. It's (veg) coming up but sparse and slowly. I expected ~~to~~ lots more residual veg even based on poor previous yrs.
- I notice predominantly ducks for H₂O oriented birds. Yes, phalaropes + ^(black birds) Sora, but not much else. I don't know if this is the Unit 9 norm or not. Very diff. compared to other units I've come to know.

13 June 06

U6, ts 29-39

June 06

fl Unit 4, T33 □ S-N

pole

flat → monotypic (ie 95-98%) stand of subA - Ng @ 1.5-2 ft and og underneath, sc og lclA. ground sat, very sc Ng of lclA. SubA, not tall enough (?) for web duck nest ~100-yards

• H₂O appears (-1-3") Ad height of Ng subA increases to 2-3 ft. Excellent ^{new} growth of subA, sc og lclA but no Ng of lclA - or very rare.

RWB, wpl

small pockets of drsp

• drsp pan - sat ^{nearby} ~50-75 yards, Ng subA encouraging

• Ng subA @ 3ft, 2-1" sw

ate 10,

sample 1

pockets of drsp, elsp, sc (f) cane, w/pockets (2-4" sw)

• drsp pan wise growd. saturated. (the subA to south of drsp pan lacks H₂O as well). drsp (f)

• Ng subA @ 2.5-3ft, rare Ng of lclA. 2-3" h₂O

slugs of Ng lclA @ 3-4ft. (Nest #14)

elsp patch

• drsp pan. dry/sat. drsp (f), Ng slender spider flower

• 25 yards of Ng subA w/ sw @ 2-3", sc Ng lclA @ 4ft

Mid Pole →

• Ng subA but shorter than area South of mid pole, @ 18"-2ft

w/ more cane, less H₂O - but H₂O present Ad @ 1-2" ←

height of Ng subA decreases as you move N. (Nest 15)

as does H₂O depth cane increases. There are slugs of

Taller (ie 3+ft subA) w/ more h₂O 3" - in those areas

just E of pillways but these patches are narrow + in between patches subA height, H₂ decrease + cane + lclA increase

p2, U6, T33

- deep pan w/ sc grwd, dry

• Ng juba @ 18", cane more prevalent, sat. to 1/2"

• strip of Ng tyla @ 4-5 ft w/ 6-8" H₂O

• Ng juba @ 2.5 ft w/ 2"-3" (~75 yards)

• areas dries and strip of grwd

• douglas sedge, og + ng lta etc, dry (~100 yds)

N pole

U6, T35 \diamond N5

flat \rightarrow mix of spec - Ng juba @ 18", elsp (f)

All dry now

(sem plants: juba, elsp, increase in dominance as you have south)
(~100 yards)

• juba Ng increases in height to 2.5 - 3 ft, sw @ 2-3",
sc of cane, (RWB, snipe, whb 10 fo) duck opens ~20 indv
x, ns ns

then H₂O depth drops and so does ^{density} height of Ng juba -
but it is still 18" - 20" ^{sat}. sc of lta but rare ng lta

and cane \uparrow
increase

snipe 2-1 calling, RWB \uparrow

"pond" - less H₂O cile, gadw \rightarrow (~5)

jub

- Pond - has H₂O but less than May

flat \rightarrow Ng juba ~18" w/ sat ~25 yards

Ng juba increases in density + height (3-3.5 ft), sw @ 2-3"

mid pole \rightarrow (2" @ pole
sw @ pole

• deep pan - sat - 25 yards

• patches of elsp, Ng juba, 2" sw - 70 yards

• stand of juba, where H₂O is 2-3" (N portion) juba is 3 ft.

Juba height + density of Ng decreases as you move S - becomes 1" sw

Areas to W of CL have more patches of elsp, deep + lta
sc og + some ng of lta in juba on C.L.

P3, 13 June 06

U4T35

.c.l crosses old road.

flat: ng suba @ 3f (in large patches) w/ no areas scattered, patches of elsp. All has 2-3". Wiph ~ 30⁺⁺ Nest
(50 yards T

- on patch w/ 3"

- elsp patch (P) w/ 2-3". dense + tall ng suba stands to W of C.L. Patches of suba (S) w/ 2-3"

95% of T has H₂O - just N 5% dry

S pole
U4T37

drappan dry, H₂O @ east edge, ↑ AMAV

Mosaic of patches of elsp, on (2-4") ng suba @ 2-3ft

SC 30.

4HBB, wiph

Not much of suba - early

"Successional suba" marsh. As you move North there is more

of suba @ base of suba clumps.

great mosaic!!

At ~ 100 yards S of mid pole the ng suba is 3.5+ ft tall!!

all has 3" H₂O now. flushed ~ 20 ducks ♀ + ♂ (froggy?)

* I think I forgot to walk T37 & 39 in
MAY!! I walked it in pieces - And I don't think these
2 transects - (at least 37 got walked.

May + probably missed nest bcs good hab on

This transect.

Barrw → full

→ levee →

(6) flat → Suba ng @ 2-24" ng cane, ng mint, ng curly dock

2" sw. Water depth decreases after ~ 50 yards

and height of ng suba decreases to 18", ng cane reduces
of cane present

Similar to flat 6A - in areas near H₂O take
out depth of H₂O increase to 3" + height + depth of suba increase

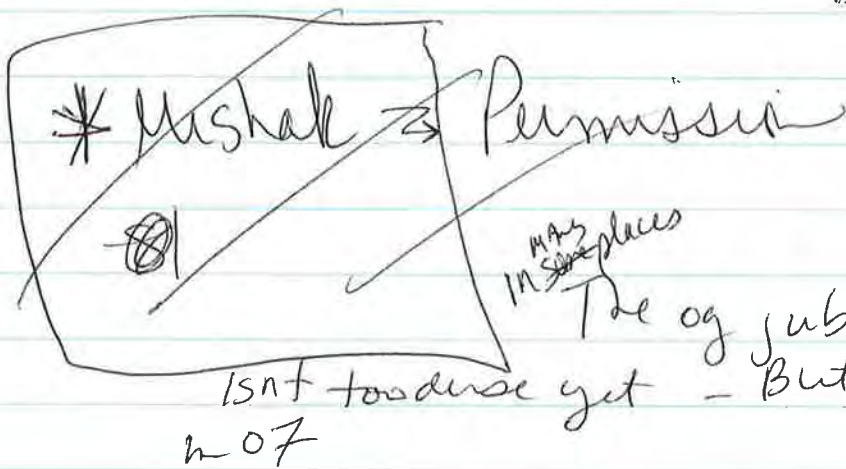
p4, U6, T37 cont 13 June 06

there is more N₂ cane in 6B than 6C

MAR-Feb

2007 - cont to irrigate meadows of 6B, 6A+6C -
jubA growth is there. I've seen a reduction in
l₁l₂A in last 3 years w/ the intentional
irrigation of these flats. There are a few
scattered clumps of tyla but not enough to be
concerned. The deep pans are probably being
reduced in size however w/ drought the
health (i.e. reduction in l₁l₂A + in some plants in pans)
has increased in other places or refuges. I
believe the deep pans in 6B, A+C will return
when this unit is drier again.

• Also large
patches of either
beaked or woolly
wooly sedge.



The og jubA in 6C on transect
isnt too dense yet - But will be good

~~Northern 1/2 of transect is dry some areas saturated~~

bes

• deep pan (saturated)

• just N₂ jubA @ 2.5ft

SORA nest

• dry - masses, domestic sedge

• N pole.

2-3" } yard

P5, 13 June 06
U6, T39, N5

N pole

flat \rightarrow dry, mix of sem + grass, lela

- grwd pin
- fringe of dry land w/ mix of grass + sc sem
- expanse of ng jubA (~2ft/w) 2" ~25 yards
- mix of short (15"-12") ng jubA, ng elsp, ng cane
og + ng lela. dry - to sat. sc by .50 yards
- Ng jubA 15-24", some og jubA, sc og lela
sat to 1" sw

- disp pan - but now w/ \uparrow ng hoju (~25 yards)
- ng jubA 15-24", some og jubA, sc og + ng lela. 1-2" h₂O
- disp pan but w/ 1-2", ng disp but ng of hoju is dominant

mid pole \rightarrow 1" h₂O @ base

- grwd flat
- Road
- borrow \rightarrow 2", elsp

flat \rightarrow ng lela, og lela, bg (dry), sc ng hoju, ng (thin) jubA,
clumps of jubA

- disp flat dry, ng disp
- ~~dry~~ expanse (small) of short og jubA, sc + short ng jubA,

sc og lela

- sc og lela \rightarrow corner of og butrush - (borrow of 6A)
- Road \rightarrow (Burr 6B-6C)

jagi @ 6C
3.58

U6, T31 B N

- all dry except ^{portions of} Northern end.
- jubA ng, beaked or wooly sedge ng, ng of cane
(extends 200 yards S of N grwd flat)
- w/ 2" - grwd flat dry

p4 U6, T31 cont

- strip of ^{veg} aw (waterway from w to borrow. Woolly or beaked sedge (~ 25 yards)
- expanse of og jubA w/ sc + thin veg jubA - drier also og sedge
- finger gravel
- expanse of og "timothy", sc veg timothy (A)

but only 2ft tall. H₂O was present early but dropped off - so timothy + jubA + sedge meadows didn't come to maturity - stunted.

Probably okay b/c H₂O went to eastern meadows of 6B+6C + supported large expanses of jubA + sc.

T29 (N^{1/3}) - general Description (Above) ↗

N. ditch (N end of U6 @ T₅ 29 + 31 - dry.

U6, T29 □ N-S

- N Pole
- gravel greasewood just a "channel" - rest of expanse sat
- flat w/ "2": veg jubA (Brown tops) veg elsp (A)
- og "veg lila", aw pockets. Veg not dense. Veg usually ^{local} _{date}
- Snipe nest, whb foraging, RW BB

take H₂O just supporting lila? or lila more than anything else?

- strip of running H₂O
- flat of og jubA w/ consistent but short + thin veg jubA (-18" 22") ~~og~~ og lila. And veg lila dry to saturation clump of roses →

flat → veg (but thin) jubA, veg cane, ^{Berkyd?} sedge, lila w/ 2" sw. H₂O extends smth to gravel

p7. U6, T29 cont

mid pole →

1 leg study area of 2004, & day now, there is some scattered veg of jubA @ ~ 18". I don't know if it had H₂O in May or because this transect wasn't walked (accident not intentional)

some see veg of U6A too but more jubA than U6A, but jubA is short & sparse - only veg U6A @ base of veg U6A - I don't see an expansion of veg U6A when veg is lacking

In spring of we didn't get the H₂O onto 6A flat like in 05 + 04. Part of this was by accident. The plan was to irrigate meadow 6A but we had a change in H₂O manager. In May there wasn't enough H₂O in meadow 6B which has the best had better seen than 6A so changed effort to 6B

But I don't know what is best for 6A
If we have 1 H₂O in 07 - work hard to ensure that H₂O in 6A is consistent from March through June - either no water or really water,

Need to decide future of 6A (west side)
probably depends on ditch at W side of 6A - is it ~~usable~~ now?
usable

Unit 9 - All TS
June 06
Stone

12 June 06 Stone
U9 T107 S-N

SW 3-6" extends from S thru Ng of
jubA (x 18"), Ng tyla, sc og lela. ~~Very little ng of lela -~~
Some @ S end.

TEM + SEM w/ SW from Spole to 1/5 the way to mid pole

1/5 to mid pole: on w/ clumps og hoju, chenopod, og lela
drsp ptr. drsp pan I saturated, tho just acceded

Amar @ Mid Pole

Mid pole - ↑ saturated

levee →

meadow → SW, sc og + ng lela, og hoju, av pockets 3-5" SW

levee →

meadow → SW 3-5" w/ Ng + og lela, sc pockets ng jubA, chenopods

levee →

drsp pan → saturated ~ 50 yds

og + ng lela, pockets ng jubA, bg (sat.), chenopods

drsp pan w/ pockets ng lela + og / ng lela sat.

N levee →

U9 T105 N-S

jubA, elzp, og + ng lela, ng tyla w/ 5" SW

levee →

flat → og + ng lela, pockets of og + ng lela, strips of drsp, Bg, pockets SW
to pintail, (2), mall w/ ph 10-15

levee →

flat → og lela, pockets ng jubA (@ 24"), og hoju, SW 3"

levee →

flat drsp, sat

Mid pole →

drsp PAN (ng), sat (~ 200 yds)

levee (w/ 40)

p2 U9, T105 cont

flat →

ng 30, sc og lela, ng lela, sw @ 3-6"

Rwbb x, wph 10⁺,
e-w levee (w/ho)

~~two~~ flat →

Stopped taking notes

U9, T103, S-N, Δ

- ~25 yards suba, lela, 3-5" sw

- deep pan (sat), sc grwd, AmAV, wph, kill
lela (og) @ N end of deep pan near levee, hoge ↑ @ levee
levee → (w/ho)

flat → og + ng lela (dominant), no pockets, ng elsp, ng suba
east-west levee (w/ho)

flat → ng 30, 3-5" sw, og + ng lela, pockets ng suba (all w/sw) - 100yds
deep flat w/ 1-3" sc grwd, sc og lela, grwd increases
towards N (strip of grwd)

deep pan, sat w/ ↑ wph, AmAV, kill

mid pole →

east-west levee →

flat → og + ng lela (80% of veg), pockets of open sw,
og hoge, ng elsp

wph ^{20, 25, 30}, Rwbb, wfb to

all has sw 2-4"

levee →

flat → 25 yd. deep of ng suba, ng elsp, sc ng lela, og lela - snipe

deep pan w/ og lela @ edges ~25-40 yards

- ng suba @ 2", pockets of open sw, og lela

(yhbb, Rwbb, wfb S, ~10 ducks ♀ + ♂ flushed - fb) sw @ 4-6 1/2"

→ Nests w/ eggs

some ^{og} elsp + ng bulrush pockets

N pole

2 June 06,
P3, T101, N-S

flat → pockets NW (3"), ng juba, og hojn, sc ng hojn, og l/A, ng l/A
pockets

= wph (20+ - NS), RWBB

• juba dens. low of ng juba w/ og + ng l/A increase as you ^{move} south
ng elsp (f) @ 12-18", all w 3-5" SW, Hab type lasts ~ 200-300 yards
ND IT (MALL off line) in area.

• disp pan w/ pockets SW, sc clumps ng juba wph - 25+
mid pole = disp w/ sc gwrd, sc bg. dry but becomes saturated to south
strip of gwrd (sat) (hab extends south ~ 400-500 yards)

SW 3" ng 3 square, ng juba } 15 yards

level → (borrow w/ H₂O)
flat → ng juba, ng 3T, ng tyLA, on pockets @ 3-6"

borrow (w/ H₂O)

level
flat → ng tyLA w/ SW } 30 yards

ng juba, og juba, pockets SW, SC og l/A, SC ng 3T
ng elsp, og ng l/A all w/ 3-5" H₂O

~ 50 yds disp w/ SW

S pole
U9, T99 ↓, S-N

Saturated @ S Pole

- disp (20 yds)

- level (borrow w/ H₂O)

flat → og l/A = SW, ng l/A, SW @ 4-5"

disp pan, SAT, AMAV 2-6 MS, Mobbing

level →
borrow - H₂O

l/A, ng l/A, ng elsp. As you move N juba becomes shorter +
sc

And increase in og l/A

level → increase in ng hojn, og hojn, ng 3T

F4. 12 June 06
09, T99 cont 1

Flat → Ng jubA @ 3ft, Ng elsp, og Ng lila, ow pockets, H₂O 3-6"

excellent recovery of jubA South of mid pole,
Ng is 3-4ft tall, there is og lila but the Ng lila is
much less prevalent and is dominated by Ng jubA, elsp
+ Ng lila. The native veg may be able to ~~so~~ take control
Again.

• drsp, Ng + og hogn, ow pockets, Ng 3ft, SW 2-4"
(habitat is ~ 125 yards from mid pole south)

mid pole → Ng jubA @ 3ft all around (⁵⁰ 25 yd radius), 6" H₂O @ Pole
flat → Ng jubA, sc og lila
east-west levee →

• drsp (sample) ~ 50 yards, sc ground, Sat
• Ng jubA @ 3-3.5ft, pockets ow, sc og lila,
Ng elsp (P), water @ 3-
RWB_{NS}, wip_{NS}

• elsp increases but large expanses of tall 3-3.5ft + dense
Ng jubA is just W of C.L. area is all flooded w/
5" H₂O. Looks great!
levee →

• Ng jubA but og lila increases as you move N and H₂O depth
decreases @ same rate. (~ 75-100 yds)

• og drsp, pockets Ng jubA
stopped recording

09, T97, N-S

~~Ng jubA, og lila~~ clumps Ng jubA, ow pockets, og lila is
most dominant veg, Ng of lila is less than Ng jubA. H₂O 2-4"
(hab extends ~ 300 yds)

T97 cont. (p5)

• lclA (og) increases to be 95% of veg, no pockets (2-9") underneath. However, ng lclA is present but not dense also ng of jubA, More jubA than lclA, and more ng 3□ than lclA. hab lasts ~100yds

• ng elsp, ng jubA (increases in density as you move S)
sc strips of ng TylA, og lclA, ng 3□.
sw @ 3"

Again - ng of lclA is least prominent of ng veg

It appears that on many of these transects - esp T99-97 + portions of 105 + 103 that native wetland veg is becoming non dominant than lclA.

there are large pockets of elsp + sw on C.L w/ dense jubA to west + east.

Am not finding any nests and am surprised b/c there appears to be good jubA stands (full + dense) however what is on C.L. is more elsp.

Some really tall (3-4ft) + dense jubA from mid pole North about 200+ yards. All has ~4" H₂O underneath - great nest cover for OT too.

east-west line →

mid pole → (1" H₂O @ pole, in area of 1° of lclA)

flat → og lclA, og chenopod, 2-3" (extends 75 yds S. of mid pole)

• Ng 3□ - monotypic stand, (P), w/ 3", extends 5^{mi} for ~75 yds

• Ng TylA, Ng elsp, Ng jubA (3ft) all w/ 4-6".
jubA increases in density as you move S. HBB, Ducks

Borrow → full
level

pl. 12 June 06

U1, T17 cont

flat →

Ng juba 3-4ft tall, some laying down, sc pockets ng esp, Shrub of ng tyla @ 4ft, sc ng 3□. All w/ 3-6" h₂O

borrow levee →

great nesting cover

flat →

- Ng juba ~50 yds 3-4" H₂O
- Ng 3□, w/ sc ng tyla 2-3.5" H₂O, ~50 yds
- ogle/A (shrub), ng lela, Bg, Sat to 2" (~20 yds)
- disp w/ 2" sw ~75 yds
- og + ng lela

[S Pole]

U1, T87□, N-5

Spruce lawn - full

flat → • ~~sedge sp (Ng)~~, Ng juba, pockets ng bulrush, sc Ng sedge sp
sc oglela, all w/ 3-5" (~200 yards)

flushed gadw + Red H ♀s

- og Ng + og juba . Ng @ 2-3.5 ft (almost 95% juba)
3-6" h₂ underneath . ~100-125 yards .
- og juba + og cane, Ng juba . Care is more dominant
in this stretch, juba Ng is shorter + less dense. 3-5" h₂O
- ground gets higher + denser.
- disp pan w/ 2" h₂O + sc ng juba . Wiph, Amav
- juba . east-west levee

Ng juba @ 3ft, pockets of Ng 3□ (F), sw pockets
all w/ 3-5" SORA, Amav (disp to west), wiph 20+
Oglela increases to south (Nest #11)

(disp to west has some pockets of sw, Amav going north)

• ground + disp - dry to sat.

mid pole →

P7 T85, 49 cont.

mid pole →

flat → good strip (~ 75 yds)

• patch (expanse) of og subA (flat)

w/ sc + short ng subA. dry. -50-75 yards. ^{sc ng} _{clar}

• good, og, deep patches. With occasional "fungus" of og lila - these areas also have sc + thin ng subA + sc + ng lila. Dry.

• 15 yards of og lila + ng lila. dry

luree →

flat → og + ng lila + understorey of og subA w/ sc + thin ng subA
deep + good

Spole

U9 T83

- good dry, patches of ^{og} subA here + there

- expanse of og (flat) ^{family} subA w/ sc, thin ng subA. Dry

- good, dry

- expanse of og subA, og lila more dominant, ng lila. dry

(extends ~ 50 yards south of mid pole + 20 yards N. of mid pole) -

• good

15 June 06 Store

UNIT 9, JUNE 06

pl. 19, T 95, S-N

- Ng juba @ 2.5-3ft, Ng lLA as tall as, og lLA.
lLA common not as dominant as juba but @ ~ 40%,

2" h₂O

• patch of 90% og lLA, + big sat (S₁₀) (Anav nobby -
disp pm nearby)

• Ng juba (2ft) og lLA + Ng lLA -
but Ng lLA less prominent than og. 1" h₂O

(seems to be that juba Ng has really increased since May)

levee → borrow fill

flat: Ng elsp (P) Ng juba 2-3ft (P) 2-3" SC Ng lLA 3.5ft

• pockets of ow (3"), Ng bulrush 4.5ft, 3II (P) 3ft,

• higher ground - disp patch w/ mix of og + Ng lLA

• patch of Ng juba 2-2.5ft w/ Ng + og lLA 1/2-1"

levee → full

in borrow - Ng lLA @ 10ft -

• strips of Ng juba, lLA, elsp, 3II, lLA w/ 3" (50 yds)

• higher ground: Ng hoju, disp + sc grwd (w. ph 20)

levee → borrow fill (bulrush @ edge)

flat → Ng lLA, Ng elsp, Ng juba 3"

levee (same as one above)

flat → Ng juba - some is 4ft tall but quite a bit of it is

laying down - like Ng cane usually does. I saw this in another
location this wk too - Did it grow ~~bladder~~ too fast? Amazing how

tall it is but when laying down its 2.5-3ft - very dense 3"

strip Ng lLA.

Phenomenal juba (Nost 18, + nobby NOK ♀)

mid Pole

west-east levee

flat Ng (P) juba @ 18-4", ow pockets 3-4", height of juba

increases as you move North, much higher & denser than May. area shaded

oget H₂O in 07 - some og lLA but little Ng lLA (NO 10 all w/ 3-4"

(125 yds)

p2. T95 cont

@ 2.5ft

monotypic stand of ng subA (subA 90%)

8% ng elsp + 2% ow.

3ft

70 yds

- strip ng 3sq, sc of "ng lla, ng subA, ow pockets

- short "lwee" or edge

3-4" h₂O

- og lla, og chenopods 1", ow pockets

↑ og lla (dominant)

not much ng lla - of anything. ~ 75 yds

- deep pockets, clumps ng + og lla, ng + og lla, Bg

saturated. No standing H₂O - which is ok

subA dominance in density + height increases @

N end (highest ~ 50 yds). Ng lla scattered evenly,

19, T93 □ N-S

- deep of deep dry

- ng subA, og lla + ng lla @ N end when it is done.

As you move south (~ 20 yds) ng subA height increases to 2-2.5ft,

H₂O @ 2", og lla but few ng lla.

- og lla, understory of ng subA, ow pockets, og chenopods

areas of ng lla vary - some patches w/ ng but most have little

saturated to 2"

- ng subA increases in density + height (2.5-3ft), pockets ng elsp,

sc og lla + even more rare ng lla. 2" (~ 50 yds) (SORA)

west → East lower or high spot.

- strip ng 3sq 3" h₂O

- mosaic of deep, clumps ng subA, sc og lla sat to 1" (50 yds)

- mosaic: subA, ow, deep (50 yds)

- 25 yds og lla, og chenopod, patches ng subA

lwee → deep pan-dry

- patches of: ng subA, ng 3sq, ng elsp, sc og lla, 3"

3-3.5ft

Mud Pole →

P3, 15 June 04
U9, T93 cont

mid pole →
- some dense + tall (3.5⁺ 4 ft) jubA ng around and to West
of mid pole. Flood in MAR 07

large expanses of ng jubA @ 4ft but much is laying down & now @
3ft, some of jubA underneath ^{small} patches of ng elsp ⊕, 1 SM patch ng h/ft,
SM pockets of ow. 3-4" h₂O depth.

Nest 18 + surA (2) (SAW) 1 irrigate in spring 07 for nesting.
↳ must be nesting.

Also flushed ~25 nests ♀ + ♂, 20 FO whb

• expanse of ng 3□ ⊕, ng hoju, ng elsp, 3" h₂O, ^{SMALL} patches ng bulrush @ 4ft
50 yards

• ng jubA 3.5-4ft, ow pockets 3-4" 75 yards
strip ng h/ft (4-4.5ft)

• ng jubA (shorter, ~2ft) of + ng l/ft 25 yards
levee → (Borrow hill) bulrush @ crossing

flat → • ow pockets, ng got hoju, ng jubA, ng 3□ 30 yards, 2" h₂O

• ng jubA @ 3-3.5ft, ng elsp, ~~pockets~~ of 3" h₂O SC og l/ft
but little ng l/ft

levee (borrow hill)
flat → mix of ow (1/2"), ^{ng} hoju, clumps ng jubA, of + ng l/ft
(50 yards)

• ng jubA @ 3ft, SC og + ng l/ft @ S end by Spole 2" h₂O

P4, 15 JUNE 00 STONE

UNIT 9 T91 \diamond , S-N mid to N
mid Pole \rightarrow

flat \rightarrow Ng suba 3-3.5ft, pockets of ow, SW @ 4-5"
strips of ug tyLA @ 4ft. This area has more og suba
than transects to east (93+95)

~25 ducks flushed - 9 + 8
125 yards

• Veg becomes dominated by ug tyLA @ 5 1/2 ft 4"
but tyLA broken up by strips + patches of dense suba
@ 3ft. And as you move closer to line (N) more patches
of elsp, suba. All w/ 6-8". More suba + less tyLA to W of T
Borrow hill / leuce

flat \rightarrow strip of Ng

- 1° tyLA Ng (~50 yds)

• expanse of 1° Ng suba @ 3.5-4ft, narrow strips of
ow between major clumps of suba, fairly good og
suba @ base of all Ng clumps.

patch of Ng (3ft) beaked or woolly sedge @ N end

Ng elsp also increases @ N end + Ng tyLA all w/ H₂O - 4-7"
N pole.

- even though there are large expanses of tyLA -
I still think area should be irrigated in 07 - and to
irrigate further east this will have to get H₂O.

T91 N-S \diamond | N to mid = 98% w/ H₂O ~ x 3"
• Ng suba @ 3ft, og suba clumps underneath

N edge is saturated but H₂O depth increases as you move S.

200-250 expanse of 98% Ng suba @ 4ft+ but

It's laying down a bit - at height of 3ft, SW 2-4" underneath
(Nest 20)

- Ng suba but also pockets w/ og + Ng l/A (20 yds)

- Ng suba, @ 5 close to Pole tyLA, woolly sedge + elsp

mid Pole

The tyLA on line doesn't
have much og underneath -
1° H₂O + stacks of ug tyLA

p5, 15 June 06

U9, T91 cont

mid pole →

levee (barrow full)

flat → Ng juba 3ft, pockets of Ng tyla

3" - 4"

levee (barrow full)

flat →

stopped taking notes, but sw extends all the way to Spole.

U9, T89, S to mid pole

Water depth has dropped since May, distribution of H₂O has decreased too.

Spole → H₂O @ Sand - ~~the~~ sw, mix of juba Ng + og,

og + Ng tyla → sc disp + esp

levee →
- disp pan dry

- sw + Ng juba, Ng + og left 50 yds

- pockets of Ng juba 2ft, sw pockets ~ 75 yds

Spruce lawn →

Flat → pockets sw 8-9", Ng juba, ^{Am} pockets Ng bulrush } 20 yds

- expanse of 99% Ng juba @ 2.5-3ft 3-4"

- small strip of the native "Timothy"

- juba + tyla strips

Mid pole → 5" H₂O @ Pole

Dme.

15 June 06, STW
U9, T87

Spruce lawn - N

- 1° Ng tyla @ 5-5.5 ft, more og tyla under this
than further to East. pockets of Ng 3.5 ft juba.

All w/ 8"

Flushed ~30 ducks ♀ + ♂, ♀ Fo
M. Wrens

- Water depth drops @ N end + so does height
of Ng tyla. Expanding juba to E of transect

- most northern 100 yards: 1° Ng juba @ 3-4 ft
some laying down but still 3 ft, og juba under,
pockets: ng esp, ow + tyla
water ~ 4"

Spruce lawn → S, U9, T87 cont
spruce lawn → H₂O dropping, so H₂O on flats (T87) is draining (can
see flow) back off of flat + into spruce lawn.

flat →
missed (didn't record) first ~200 yards

Fo whb - 25
WFB ~ 10-20
Yhbb.

- Ng juba @ 3ft, some og juba moist to 1/2"

~75 yards - 100 yds.

mid pole → 1" H₂O @ pole

Ng juba (dorsal) @ 3ft. sc og tyla, little ng 2-3"

line →
flat - disp, sc gravel, ~~some~~ pockets 1" H₂O
pockets of sat bog. pockets og tyla

Arav
Wph

small
pockets
Ng juba

line →
Bog, disp, sc gravel, small clumps Ng juba. Pockets sw, Arav with
• gravel + Bog. disp to sat.

line →

17 May 06

U17, T77 □ N-S

Unit 17
TS 77-89

- S to mid pole - 100% dry
- lula, og becomes prominent ~ 1/3 of way btwn S + mid poles, at northern end of this stretch it (lula) is 90% of veg comp w/ Bg + sc drap + og come underneath as other places in refuges, very little Nq of any veg - just a few green lula rosettes.

- Mid-N: drap pans are healthy, very little Nq of lula (true for everywhere, green-up is slow). We haven't had the H₂O

U8 T77

S pole →

- drap pan → drap is (+) healthy, I've never seen it look so vigorous + dense in here
canal →

og subA (05 probably) w/ og + ng lula (Sheep)

Completed T77 in units 17 + 8.

U8 T79 □ N-S

from N pole to mid pole: the southern half of that area is 85-90% (2005) growth of a chenopod - halogelton, there is a huge expanse of it on either side of T79 but mainly to east of fans, it also continues S of mid pole. Some drap w/ in the chenopod 10-15%

In Unit 8 + T's 79 + 77 veg response to Burn: increase vigor + density of draps, huge ↑ in chenopod (halogelton), some clumps of subA, subA → sedge response along a small canal

17 May 06
pa

- but I'm seeing NOT much of (OS) lila
& very little ng of lila. No sign of war.
The greasewood in area didn't burn
(T79+77)

some patches of OS subA growth (w/ 3-5" of Ng^{oc})
around South pole (T79) of U8.

Unit 8
U17, T79
pole →
fairly large expanse of og subA ('OS) in South
from T 79 to east!

flat → dense (NO bareground) cover of subA + some big sedge spec
growth from ~DS, height of all veg which is all og - is ~12"
Area dry but Parker Pond to east is full. some green up
of thistle + 3-square in low places

drpstr → drp is vigorous dense, also the patches of subA -
have OS growth only about 6" - w/ some Ng of subA (scattered)
at 9". This hasn't been flooded but sub-up from Parker to
east has probably suppressed ng subA.

grnd patch → grnd, drp, alkaer Bg

mid pole → og (OS) lila starts being very prominent 85%
of veg right @ mid pole - east + west of T79

~~North west~~ just south of mid pole - in some places there
are patches of thick + tall subA OS growth but lila is more
prominent

(mid pole south)
- The subA along Tran + Nearby has increased
in density, height + presence since pre burn &
since 2000 when I first walked it, there is still a
lila overstory. Sheep grazing in here?

17 May 06, Stone
 P3, U17

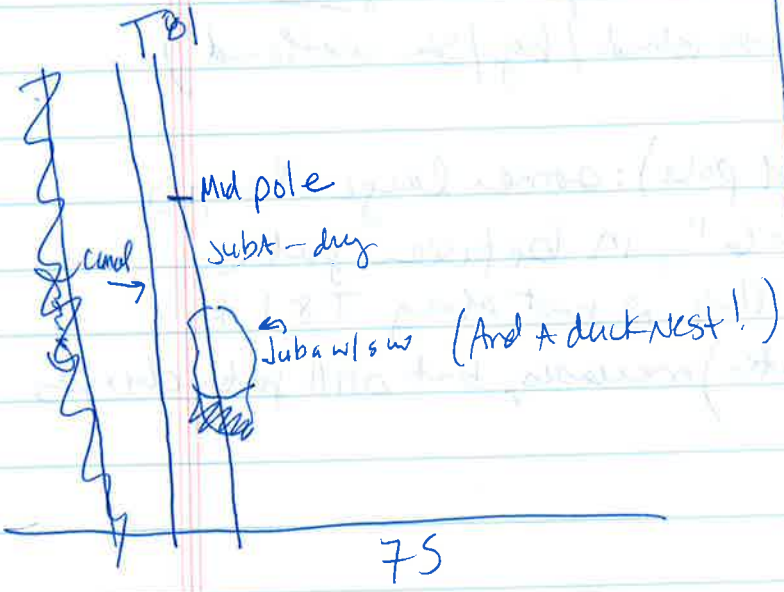
U17 □ S-N T81

middle 1/4

from S to mid pole the ~~northern~~ 2/3 of this area has sw under
 veg - veg: og + ng juba - dense ~ 18-24", ~~CA~~ cane in
 places, ~~se~~ curly dock But 1° juba, 2-3 H₂O underneath,
 Canal to immediate W of Trans has H₂O

The sw is only in a expanse of ~ 75 yards,
 the juba btwn it and mid pole is barely saturated +

? # Break holes in this canal to irrig



* why dont we
 design our H₂O
 mgmt infrastructure
 like McNelis + others -
 they seem to Be Able
 to sheet flood irrigate
 whole expanses of wet
 meadow -
 Lets experiment w/
 this in U17

Mid pole (T81) → (fall emergent - TEM)

flat → subt-dry

Bulrush flat → OS growth of bulrush + juba, sw underneath
 H₂O starts right @ TEM patch. Og (OS) TEM is
 about 3 - 3 1/2 ft tall. Not super dense, gets denser as you
 move N. Water 3-8" underneath, some ng of bulrush + juba

(PA, U17 T81 cont 17 MAY 06)

the entire TEM area from mid to N Pole of T81 has @ least 2" H₂O underneath - sometimes 8".

Good - bcs we want vigorous TEM here again.

I dont believe the TEM is dense enough yet to for nesting platforms - it is easy in most places to look btwn the TEM stalks to ground.

Mid U8 T81 S-N

Spole →

TEM flat → veg condition similar to that further south: 3-3 1/4 ft '05 growth of bulrush. Also has 3-5" water. The small unveg "pond" on transect has 6-7" H₂O (great!)

On T81 in U8: water @ N end stops @ ~~best spot~~ ~~right @ edge of TEM~~. Current H₂O depth is good ~~just~~ shy of entire (former bulrush island / bog / sem wetland)

- N ^{area} 1/3 of ~~transect~~ (S to mid pole): some large clumps of '05 juba growth w/ ob ng of ~ 6", in between juba clumps are bg, og elsp. This is just along T81 to the west the chenopod (haloxeta) increases, but still juba doms

Unit 8 T81

mid pole →

flat → 90% og + ng chenopod (haloxeta?) og is 5-10", small clumps of juba - ng + og.

end.

U8, T3

U17 T83 N-5

- TEM (10' tyA @ N end) has 3-8" H₂O, no visible ng yet, og of tyA is ~4ft. (2005) + bulrush

M. Wrens	X
YHBB	X
SORA	1
coots	

In areas dominated by bulrush - I can still see through stems to ground - Not dense enough yet for duck nest?

Although flushed 1 Red hen - 15 yards off line

⊗ Near mid pole H₂O depth under bulrush drops to ~1", ng bulrush coming in

⁸³ Mid pole → TEM (~75 yards) 1" to saturated

- flat → dense og (05) juba ~18-20" dry underneath

- og leA - area was sprayed ^{ATV} in 05. og stalks remain w/ understorey - except withered leA leaves. Ground saturated but no ng of leA yet visible. Saturated from (Obelive)

Sub up from "pond" to south.

- Ng ^{Douglas Sedge} juba around "pond"

water breached ditch on south side of U17 + flowed into pond + around

- the 1/4 mile N of S 83 pole: has been irrigated (accidentally?) but now has 2-3" H₂O w/ ng Douglas sedge, ng juba 5" sc ng hoju.

Wif' Wfib } foreign
Sora }
This veg type extends all around "pond" pond. Wypsh 100 in

(end)

Nests: (Flagged, location, etc)

NEST DATA FORM

(circle one)

Area Search
Find

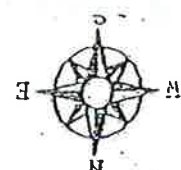
OR

Incidental Finding

Pass #

Observer _____ Date / / Unit # _____ Study Area _____

<p>FIRST VISIT</p> <p>observer _____</p> <p>Date / /</p> <p>Unit # _____</p> <p>Study Area _____</p> <p>Pass # _____</p>		<p>FATE VISIT</p> <p>observer _____</p> <p>Date / /</p> <p>_____ # egg hatch</p> <p>_____ # egg remain</p> <p>Abandoned <input type="checkbox"/></p> <p>Flooded <input type="checkbox"/></p> <p>Destroyed <input type="checkbox"/></p> <p>Raven/magpie <input type="checkbox"/></p> <p>Skunk <input type="checkbox"/></p> <p>Raccoon <input type="checkbox"/></p> <p>Coyote <input type="checkbox"/></p> <p>Unknown <input type="checkbox"/></p> <p>Other <input type="checkbox"/></p>	
<p>Species _____</p> <p>Nest # _____</p> <p>Status (check one)</p> <p>Active <input type="checkbox"/></p> <p>Hatched <input type="checkbox"/></p> <p>Abandoned <input type="checkbox"/></p> <p>Destroyed <input type="checkbox"/></p> <p># eggs _____</p> <p>Inc. state _____</p> <p># parasitic eggs _____</p> <p>Dist. to standing H₂O _____ ft</p>		<p>_____ Veg COVER TYPE at Nest</p> <p>_____ %</p> <p>SX Willow <input type="checkbox"/></p> <p>SVE Greasewood <input type="checkbox"/></p> <p>CRX Rabbit brush <input type="checkbox"/></p> <p>DST Salt grass <input type="checkbox"/></p> <p>GX Grass species <input type="checkbox"/></p> <p>MOF Sweetclover <input type="checkbox"/></p> <p>WX Weed species <input type="checkbox"/></p> <p>JBA Baltic rush <input type="checkbox"/></p> <p>CX Sedge <input type="checkbox"/></p> <p>KX Spikerush <input type="checkbox"/></p> <p>TJA Cattail <input type="checkbox"/></p> <p>SVA Bullrush <input type="checkbox"/></p> <p>Other <input type="checkbox"/></p>	
<p>Soil Surface (check one)</p> <p>Dry <input type="checkbox"/></p> <p>At Nest <input type="checkbox"/></p> <p>Flooded <input type="checkbox"/></p> <p>Aerial Cover (check one)</p> <p>A. 100-75% <input type="checkbox"/></p> <p>B. 75-50% <input type="checkbox"/></p> <p>C. 50-25% <input type="checkbox"/></p> <p>D. 25-0% <input type="checkbox"/></p>		<p>Avg. Height of Veg. _____</p> <p>Avg. Nest _____</p>	



Habitat

17 May 06 U17 #8

T87 Δ N-S-N

Am seeing a lot of ducks still in pairs, threes - today
3 times (in same area) saw 8 Nosh σ w/ 1 f . Yedwall, etc NOSH
we 10 birds in pairs but also kidh, Mall

Report

- Velly seems slow to green up
on both NURLs + valley

- ducklings observed over open H_2O like Parker

T83 all TEM has H_2O - depth 2-7"

T85, U17

N-S

- TEM (bulrush + tyLA)

) has H_2O

- TEM here is taller than to the west
 \rightarrow 4-4.5 ft

TEM may NOT be dense enough yet (esp @ South) for duck nest

TEM height decreases IN south to ~3-3 1/2 ft
but H_2O remains and ng bulrush present (esp)

@ Southern end of TEM area

\uparrow M. wren
4#BB

U17 gauge
3.62 17 MAY 06

Flushed 1 f Mall - Nesting! in TEM but 20yds
E of line . bulrush + SW

@ beginning of grass flat on T85 -

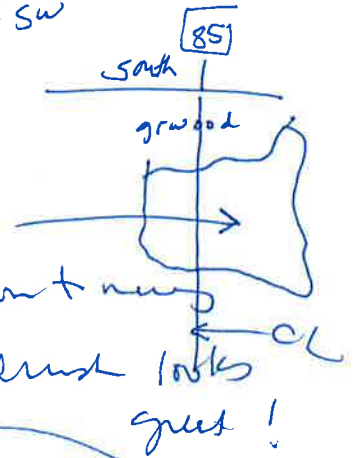
to the direct ^{NORTH} west of Transact - pw continuing

ng of esp Neb ridge, suba + sc bulrush looks great!

T89 U17

- H_2O extends all the way to most southern end of Transact

except ng ar growing thru H_2O (Ciar invaded this area during drought)



Flushed 2 teal here from small area - could find nest on line but suspect they gt.

NEST DATA FORM

(circle one)

Area Search Find

OR Incidental Finding

Non-Duck Nest
MAY TRANSFER

Observer

Stone

Date

1 / 1

Unit #

Study Area

Pass #

FIRST VISIT

Species _____
Nest # ND 10
Status (check one)
 Active
 Hatched
 Abandoned
 Destroyed
 # eggs _____
 Inc. stage _____
 # parasitic eggs _____
 Dist. to standing H₂O _____ ft
 Soil Surface (check one)
 Dry AT Nest
 Moist
 Flooded
 Aerial Cover (check one)
 A. 100-75% B. 75-50% C. 50-25% D. 25-0%

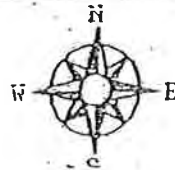
Veg COVER TYPE at Nest
%

<input type="checkbox"/> Sx	Willow
<input type="checkbox"/> Sve	Greasewood
<input type="checkbox"/> Crx	Rabbit brush
<input type="checkbox"/> Dst	Salt grass
<input type="checkbox"/> Gx	Grass species
<input type="checkbox"/> MoF	Sweetclover
<input type="checkbox"/> Wx	Weed species
<input type="checkbox"/> Jba	Baltic rush
<input type="checkbox"/> Cx	Sedge
<input type="checkbox"/> Ex	Spikerush
<input type="checkbox"/> Tla	Cattail
<input type="checkbox"/> Sva	Bullrush
<input type="checkbox"/> Other	_____

Avg. Height of Veg. at Nest _____

FATE VISIT

observer _____
Date 1 / 1
(check one)
 Hatch
 # egg hatch _____
 # egg remain _____
 Abandoned
 Flooded
 Destroyed
 Raven/magpie
 Skunk
 Raccoon
 Coyote
 Unknown
 Other _____



Notes: (flagged, location, etc)

Pl. 19 JUN 06, U18. T105, STONE

N-5

Unit 18 T3 105 89
107, 87

TIME
2452

JUN
06

- TEM along Transect - all og because we are intentionally ~~keep~~ trying to dry unit for Burn in 2007.

There has been H₂O in pond - H₂O "backing in" to pond from Unit 9 (irrigating U9 w/ Empire Canal H₂O)

leave map to U9 for

- Mud Flats →

flat: strip of ground of tyLA

• flat - og jubA @ ~15", SC ng jubA @ 15-20"

(veg on T105 - none has standing H₂O. South end is moist)

T107

all veg is dry. H₂O levels in

pond areas of transect have dropped. Mud flats @ South end. ND 22 (Mall)

0.36
Baven Gauge

U18, T89 N-5

Spice lawn extension →

flat: mosaic of disp: ~~ng jubA / og jubA + bg.~~

there are islands to patches of ng jubA ~2ft, og jubA w/ og ^{ula} jubA → ng ^{ula} jubA, 18"-25" w/ bg patches (salty)

ng ula is as prominent as og + height is 18"

This area was not intentionally irrigated but sub-up from Empire Canal (full until Friday 16 June when it went off)

- flat - 60% ng ula 25% ng jubA underlying of og jubA, og ula dry-sat. ~100yds moist

- strips of ng tyLA @ 3.5ft w/ strips of ng jubA @ 2.5ft, SC

ng CAR, SC ng ula + og ula 1/2" to 2"

w/ - ng tyLA (near old CAGE NEST structure) 6-7ft w/ 4" h₂O: strip of ng jubA, patch of ula (end)

P2, 19 June 06, U18, T87 S-N

- Spruce lawn "extension" canal - has $\frac{3}{4}$ ft⁺ in bottom.

Don't think we are intentionally putting h₂O in this ditch, but it is coming from full Spruce lawn in Unit 9 - or from full & adjacent Empire Canal canal →

ground flat - ground is damp - I'm NOT sinking in so it isn't saturated, but I can footsteps of Mary Walker -

TS 73+75 } walked
By Jessica D. The

UNIT 1, T577-81 JUN 06

Pl. 14 June 06
Unit 1, T77

Water has been moved into N ditch and West ditch for ~ 4 weeks since (when H₂O became available in MV canal. Water in N ditch now Ng elsp (F).

flat → • og juba, sc Ng juba @ ~18". Ng of CIAR + llaA. uIA. ^{og} steep grazing site? - small patches of disp oil sat. (100yds)

• H₂O depth increases as dries height & density of ng juba (Ng juba @ 2-2.5ft). Juba responded quickly to H₂O application. Ng of juba extends E to disp pan and West to 3E - large expanse, looks great! Document H₂O mgmt in here for future replication

height of juba drops to ~12-18" as you move South (~75 yards N of ground) and H₂O drops to SATURATED

~~area~~

• og juba (not dense), sc Ng juba @ ~12-18", Ng CIAR @ 8", Ng pointella sp, Ng + og uIA. sat.

• disp/grnd sketch

• Ng juba w/ 3", juba @ 3ft (~20yds)

4-6" • Ng elsp, Ng beaked or woolly sub, sc Ng tyla sw @

• Strip (~15yds) Ng (3 1/2ft) juba (not much og juba under)

but 4-6"

• canal - full w/ 8ft⁺ Ng tyla

flat → • patch ng elsp (F) @ 12-15" 3" (20yds)

• og juba, sc Ng juba, ng + og uia, Ng CIAR dry

• disp + grnd

S Blk

p2, 14 June 06

U1, T79, S-N

- dangles sedge Ng+og, sc og+Ng dwp, sc Ng aar dry
pockets Ng+og subA, Ng lla

• patch of 1° lla - Ng @ 1.5 ft dry

sheep grazing

• strip of Ng elsp @ 3"

• patch of wooly or beaked sedge Ng @ 3.5 ft 3"

• canal (Spring Creek) - full. This section has hard stem bulrush - Ng @ 8 ft

• monotypic patch wooly or beaked sedge (10-15 yards)

• Ng subA @ 3 ft (20 yards)

• Ng hojn + saturated

• drop pan w/ sc pockets of Ng+og lla + understorey of Ng subA (Ng @ 15")

• subA og + Ng @ ~18" but more Ng+og lla than to West lla is ~30% of veg comp in this beds condition / type. soil saturated

• Ng subA increases in height to 3ft w/ 3" underneath, og subA, sc ^{small} pockets of av ~20 yards.

U1, T81, N-S

• og cane, sc Ng cane, sc Ng subA mint sc Ng aar, patch of og "big sedge". sat

• drop pan (Amv mobbing but not intensely - "flyover")

• mix of veg - subA but 1° Ng+og lla

• patches of Ng subA 2ft, (Ng elsp w/ Ng NV bulrush has 2" sw

• drop pan w/ sm pockets Ng subA 15"

• Ng of tyla (very little og tyla underneath) @ 6-7ft, w/ 3-6". hb. extends ~75 yards. I haven't seen such an ~~exp~~ large expanse of TEM in this unit before. Must be from Spring Creek Canal having to do with oil spring, the N. Harrier nesting nearby - flushed ♀

• Ng bulrush @ 6-7 ft w/ og bulrush, 4-6". ~20 yds → Spring Creek Canal

3.14 Jun 06

1, T 81, cont

Spring creek

flat → Ng beaked or woolly sedge @ 2 ft
or NCB? Shumped leafed

• strip Ng tyLA 15 yds

• strip of Ng beaked or woolly sedge ~ 1"

• patch of + Ng Jela, understorey of SC Ng Jaba, Ng

Pantellia sp. dry to sat

• strip of Ng tyLA ~ 3ft shorter than rest, 2"

- strip of

end

Disp on Road adjacent to Empire - units 2+8 has
not ~~look~~ been this dense & vigorous in years - 2002 @ least
maybe 1999 - sub up from Empire supported it? Along
Unit 2 there is also Douglas sedge on Road - Never
seen that species in this location

Ng elsp + Jaba on Road too

T83 - All dry - was wet earlier in season. based on Ng of
Jaba. Og + Ng Jaba along Transect. Ng Jaba 15-21"
small pocket of Doug/douglas sedge (carcass of badw ♀), lea og &
Ng increases @ N end.

No H₂O in N ditch @ T83 - ^{H₂O} only extends
Ditch Bottom saturated.

Private Lands directly N of U2:

- East end (T83) has great disp pan w/
Mobbng AMAV + Kill. Further west are large expanses of
Ng Jaba. Good mosaic of Jaba & disp, w/ph.

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Handwritten text in the upper middle section of the page.

Handwritten text in the middle section of the page.

Handwritten text in the lower middle section of the page.

Handwritten text at the bottom of the page.

7, June 06
UITF 01 □ SN

UITF Ts 81-89, Stone
June 06

- mix of veg - elsp, douglas sedge, lila, sparse ng subA dry
pockets disp, sc grovd @ N
- ng subA @ 15-18", Ng elsp @ 12-15", ^{ng} ~~sc~~ cane ng subA dry now
sc pointilla specus, sc clumps of ng + tog lila
most of this is a mix of species but most dominant
is ng of an "elp" species (big elsp) -
disp patch

area of Branch (ditch to W)

- Ng subA height increases to 2.5-3.5ft, 2" H₂O
RWBB, other species no longer present - occasional ng of cane
dock + occ ng lila + ng cane. (70 yards)
- Ng subA @ ~~2.5-3.5~~ 2-2 1/2ft soil sat to 1/2"
subA height decreases as you move N + H₂O decreases.
(sm veg free areas are saturated). Another dip teal edge

(Make Mgmt suggestion: use N-S lines (like one adjacent to T81 in 175 - add small take outs to sheet flood like neighbors.

Notice pattern of lower H₂O = shorter subA ¹/₄, more elsp, cane, other sem ¹/₄, more lila + cane as well.

As you move to mid pole subA height lowers + other plants including IRIS, cane incasm. Area sat. to cane prevalent just S. of mid pole.

Ditch to west ¹/₄, when it turns + runs East have

H₂O - flushed ^{Cunning N} site (ditch), North + Mall ⁵⁺ ♂.
Mid Pole →

sem (ng subA 15", ng elsp ^{sc subA} sc cane) dry
disp pocket / p An-dry

p2 14 JUN 06
U17, T81 cont

- sem + pockets of bg + disp - all dry - prob sat under soil surface
- Bulrush flat →

ng of bulrush is 3ft @ S. only 1- maybe 2" h₂O
h₂O depth increases to ~ 3-4" as you move N
and height of bulrush ^{hardstem} increases but still @ 4. (P) now.

Understory of og bulrush. No duck activity - ↑ M Wren.
I believe that in spring of 07 if this area has 4-5"
H₂O there will be nesting Sora, W. Grebe, Ruddy, Redh, mall

Height of N g bulrush + H₂O levels stay fairly constant
as you move N (↓ 4ft (P) ↓ 3")

H₂O levels drop to 1" to sat about 100 yards South
of 17 N 81 pole. But bulrush height still ~ 4ft Drop
In H₂O must be recent. _{↓ does drop to 3-3.5}

Found membrane ^{in H₂O} from Hall (prob - due to large size - or (mud?)
but searched area and didn't find nest. Immediate area
doesn't have much og bulrush - it is sparse so don't
know where a successful nest could be located - perhaps
membrane floated here.

Transect left: have Justin + Carter
work on poles @ N 17, T81 needs
Adjusting + sign

U18, T81 S-N

- ng bulrush 3-4ft 95% (P), ng N. bulrush, H₂O @ 2", ~~not~~ patches
of og bulrush - more than anywhere S on T (U18 + U17)
- the small ow "pond" area - has 3" else (P) @ 15-18"

There is H₂O under all ng bulrush in U18 T81
same distrib of H₂O as May although more shallow.

3, 14 June 06, Stone
W17, T83, N-S

- open H₂O (checked bulrush edge for colonial H₂O Bird - see report)
 - strip of og bulrush (P) @ 8ft
 - Ng tyla @ 4ft, old tyla @ 3-3.5 understory, SC Ng Hudsonian bulrush (P) @ 4.5-5ft. water @ 4-6" M. Wren ↑
- 25 yds

- monotypic stand of h.s^{km} bulrush, (P) @ 3.5-4.8 ft tall, understory of og (OS) bulrush. H₂O @ 4-6". NO ducks or other waterbirds flushing, ↑ M. Wren, not enough og for ^{duck} nest cover yet. time = 1100

H₂O + dense ng bulrush extend S to mid pole. H₂O decreases but still ~2-3".

mid pole →

flat I don't think I've seen this much bulrush on this T from mid pole S - used to be more sem like community. Although - og bulrush is present but not dense.

Ng Bulrush (P) 3-3.5ft, Ng elsp (~75-85 yards)

Salmonad

• flat → • Ng ~~bul~~ juba @ ~15" w/ og juba @ ~15" ^{most} dry to
^{Thick/dense} monotypic (spec comp + height) of juba
 sc mint, sc small pocket ng bulrush. destroyed cage nest

- og lila ^{stopped re-occurring}

(T85 □ S-N) - drop + ground dry

- Beaked sedge Ng 2-2.5ft 2", patches of ng juba + ng bulrush, elsp + another pocket of Beaked sedge (~50 yds)

- Ng bulrush @ 5-5.5ft (P), understory of og bulrush, H₂O @ 4", Yh bly

- low area (H₂O @ ~8")

- finger of ng bulrush (P) 5ft w/ 4-6"

(21 d)

PA, 14 June 06

U17, T89 N-S
gt

Parker Pond gage 3.36 but waves so cannot
be off.

- strip of Ng lyla w/ 4-6" ~ 50[?] yards
- fairly monotypic stand of og + Ng lyla, ground sat to dry, pockets of juvA - og + true Ng juvA.
 - strip of ground

T89

Primarily Ng lyla @ 3.5-4 ft w/ understory of og lyla, all has h₂O - 5-8". I was surprised not to find duck nest b/c og seems enough, cover of Ng good; h₂O present. Too late in afternoon? 12:15-12:40

UNIT 24

MAY 12, 2006

BRAD WEINMEISTER

START TIME: 630 am

End Times

710 am

Transect 109 - No standing water, some degrees of soil moisture -
- No remarkable species - Handful of Red-winged Blackbird,
Meadow larks, and unknown Sparrows, - one Sparrow nest
found and recorded. One set of elk tracks 1+ week old

735 am

Transect 111 - No standing water - Some Ground Moisture
- 1 American Adzebill Flying + one Killdeer Flying, 2 Jackrabbits
One set of elk tracks several weeks old (could be same as above)

807 am

Transect 113 - With transect marker - predated goose egg
- No standing water - Starting to see emergent vegetation
- other species - one Cottontail Rabbit, one Jack rabbit

845 am

Transect 115 - Approximately 10-15% of transect with standing water (less than
1ft deep) - Flushed two hen Mallards off transect that
were setting on nests - Unable to locate nests. Also flushed
Blackbird (Redwing?) off nest off transect
One set of Fox tracks on mud flat near open water

920 am

Transect 117 - less than 5% of transect flooded w/ 1' or less water (deep)
1 set of elk tracks several weeks old

941 am

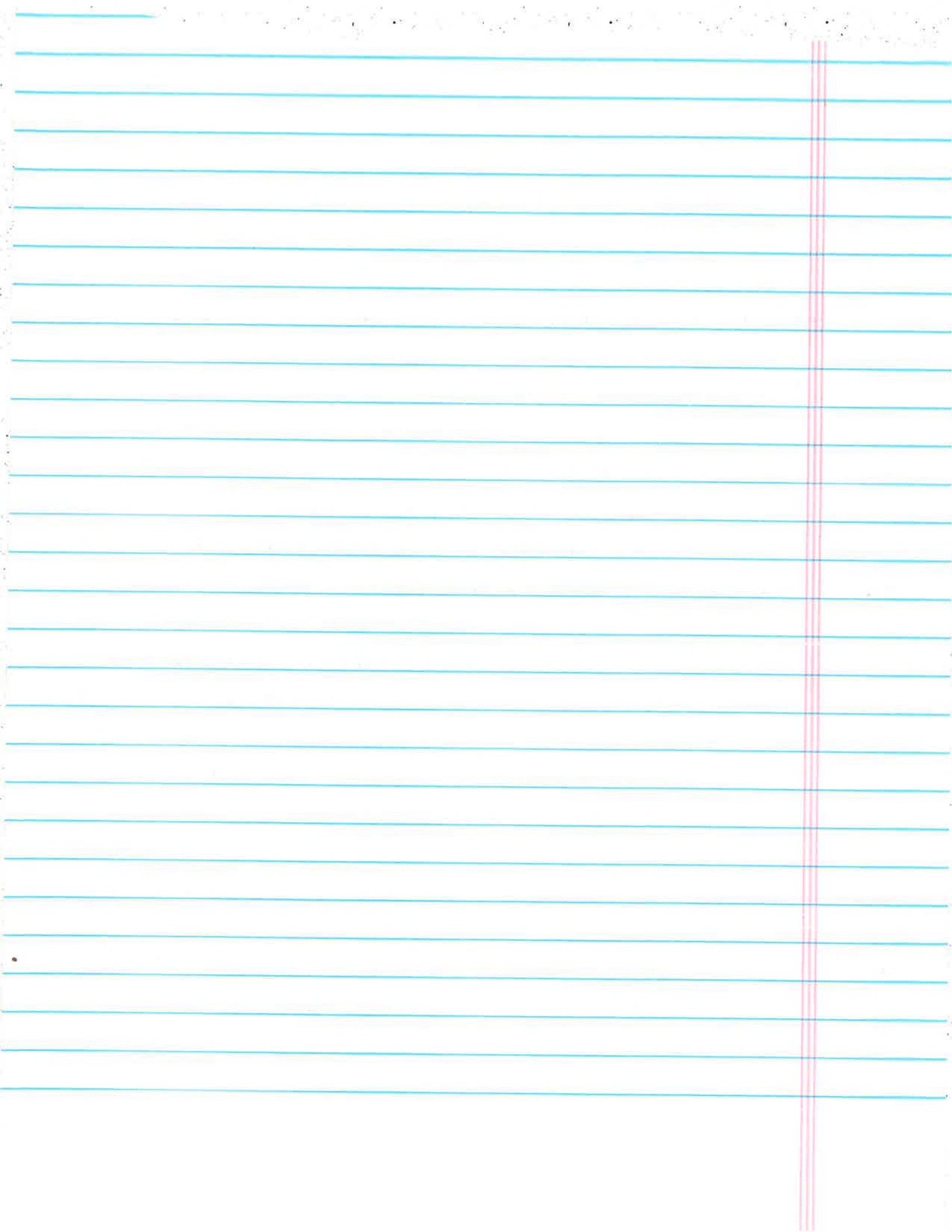
Transect 119 - No open water and soil moisture content extremely low
1 set of old elk tracks + 1 set of old Fox? tracks

1003

Transect 121 - No open water + soil moisture content extremely low

1022

Transect 123 - Same as Above



16 June 06, Stone
Pl. Unit 10, T109, 8-10
- Brown Drain

Remainder of units 10+1 walked by Scott Miller.

Unit 10⁹⁴, T5109+111

- Ng tyLA @ 3-5-4ft, some og tyLA underneath 2.5ft.
H₂O @ 4". Height of Ng tyLA decreases as you move N -
still @ 2.5ft, H₂O decreases to 3". ~ 100 yards

• Ng juba @ 3ft-4ft clumps of og juba underneath, see
pockets w/ scattered thal, water @ 3-4-6", small pockets
of Ng esp. Looks like great Mall-duck nesting. flushing
~5 hrs to W but on line. Og lLA to W of transect. It
appears that there is sufficient og juba along transect -
at least og is present. RWBB on line ↑

SC of lLA increases @ N, some Ng lLA but less than og.
~100¹⁵⁰ yards

• Clumps of alternating Ng III (P), Ng esp, og lLA, sc Ng tyLA,
Ng lLA. But 1° w @ ~3". 50 yards

• drop pan w/sc grwd Sat, Kill

• og = Ng lLA, Ng horn, og horn, Bg, sc Ng lLA (P) 18",
juba distribution increases N of mid pole Sat 1"-2"

Mid Pole →

(~100 yards)

w/pt¹⁵

snipe 2

• alkali mulli - og + Ng, og + Ng lLA, Bg, ground
saturated, og chemopod.

Since Mid Pole - Og lLA is dominant (60%), Ng lLA
not as dominant but present. This area is in transition - enough
H₂O to encourage lLA but not, and enough to grow some juba
but not enough or early enough to give juba competitive edge

Boots - sheep in transition area

• drop, sc grwd, or c Bg & lLA-free (og + Ng), dry.

~75 yards - 100. lLA appears @ N - close to ditch + N end of U10,
coral - 10", Ng tyLA

p2, 16 June 06
Unit 4, T109 II, S-N

- grwd, alkali scrubby, bg, sc og lula, some ng lula, dry
- 1° alkali scrubby + deep, sc Rabbit brush + grwd
- strips of ng care - 8" occ ng lula, dry (- 20 yards)
- og + ng lula, og lula dominant, og + some ng suba underneath
- 50 yard-wide strip of og deep, but clumps of og + some ng wetland forb (large - large papery leaves), sc ng suba dry, sc ng lula.
- strip (40 yds) of og + ng suba. dry now

I think this is irrigated by run-off from Parma (?) in early Spring. which might be okay but then we need some mgmt in nearby transition areas to minimize lula (such as sheep or goat grazing?)

ditch → 8-10" , not bank to bank full
(Parma drain?)

- og tyla (flat several yrs old), og care + ng care. Burn?

Ditch → 7" . ng tyla, ng wetland forb, ng "Timothy".
Unit 4 Pole

- og tyla - prostate, og care (flat) (- sat to moist)
- strip of og suba (25 yards)
- mix of ng lula, flat og tyla, bg, og hoju, ng care, og andy dock
Brewers Blackbirds moist to sat

ditch → bank to bank H₂O, ~1ft deep

flat: mix of og tyla, ng bog sedge like species

og suba, ng suba, og + ng lula (sc), pockets deep, dry
strip of deep 15 yds, dry (sat to dry)

grwd + bg dry

- deep sat (20 yards)

• og suba, ng suba 2-2.5ft strips og lula, suba 60%
lula 40%

Pole →

3, 10 June 00
Unit 4, HD T109 cont

Pole → flat ng + og jubA 2-2.5ft, og + ng lft, strips of deep dry (50 yards)

- deep pan (w/ e-fence), 20 yards, dry to sat

- jubA ng 15" - 15", og jubA but not dense clumps, sc deep, sc og + ng lft, sc ng point lft sp. further N are patches of og lft sc ng clump.

ditch → 5" @ bottom

Unit 4 experimental unit → all dry. deep + og + ng lft. lft has expanded in distribution

another site for sheep + goat grazing

U4 T111 N-5 experimental unit - mix of og chenopod (Kochia) + other odd plants - but no weeds dry

• pockets of og + ng jubA then by pocket, then pocket of og chenopod (Kochia) dry
lft ng og increases @ S. end of exp. unit

ditch → flat → deep w/ sc grass dry

• og + ng jubA w/ og (1" og) + ng lft, dry at N, becomes sat to 1"

H₂O @ South

Pole → (sat to 1/2 H₂O @ Pole)
deep grass, dry but sat, @ S. end

• og jubA, ng jubA, sc og lft. dry ~ 50 yards

clumps ~~at~~ @ lft, sc @ 15"

• then H₂O increases as does density + height of ng jubA
sc og cane, sc og cane, more cane than jubA, also sc ng
beaked edge

Ditch → full

flat → og + ng jubA + lft, ~ 50 yards

• deep pan - no visible ng or og lft, sc clumps ng jubA, sc grass dry to sat.

- strip (20 yds) og + ng jubA + og lft

- strip flat og lft, ng wetland grass/sedge moist (20 yards)

Pole → vegetated (see T109)

• og flat, lft, ng cane, ng cane, strips ng jubA (75 yds) - dry ^{sc og + ng lft}

• og wetland grass/sedge (reed canopy?), big papery leaves + ng same species, og + flat lft, sc og cane. Dry

Ditch → full

• same hab as prior (N) of ditch for 70 yards

F, 16 June 00
u4, till cont.

• og + Ng l/A $\frac{p}{a}$ (dominant), undisturb of og disp or juba or og hoyu } 70-75 yds
then moves to 99% l/A - Dry

- strip of 1° Ng curie, Ng l/A (15 yds) - Dry
- strip of disp, 10 yards - Dry
- gravel, alkali ~~to~~ sacaton + mucky, disp, occ l/A, sc rabbitbrush

Pole
Ditch \rightarrow w/ H₂O

- gravel, disp, alkali ~~to~~ sacaton + mucky, places sat
- small ~~to~~ ditch
- disp, gravel, alkali sacaton, sc Ng + og l/A

As you move South (towards borrow of U10), disp patches become flooded w/ 1-2". On transect on edge of Ng l/A (yrd) the flooded disp areas have very dense disp - l/A appears @ S end - og + Ng

- H₂O increases to 3": no pockets, Ng hoyu, Ng

U1A, og l/A, Ng juba @ edge of borrow

- Borrow full. H₂O @ deepest: 3.5ft
- levee (Anas Mobbing, 2)

- flat • og chenopod, by, clumps og + ng alkali sacaton, Ng + og l/A moist
- 12 species - 1 is halogalen,

Pole \rightarrow Same as prior hab. but og + ng l/A increases (~70 yds)

- disp, w/ sc by, sc gravel. sat to dry. no l/A
- 50 yards of 1° l/A - og + ng, by moist

- ~~og + strips (large) of og + ng juba w/ strip of ng l/A + og flat l/A~~
- 40 yards of og + flat l/A w/ Ng of U1A and 2". ~ during this transect

We started moving H₂O into this flat (H₂O from Empire) hoping we might have enough + it was still early enough to encourage SEM but NOT enough H₂O + response was in CIAR growth

Road
Borrow DEAN full
[end]

16 June 00
0.44
Borrow Pond
gauge

Bird Data Sheets

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: 5-15-06

Observer: Dorka

Species	Number	Habitat	Unit/Transect	Behavior	Nest/eggs/young	Comments
Mallards	4	GR	U83/T75	FL	—	3 drakes, 1 hen
			16 MAY	OK	—	
Mallards	3	EMT	U3/T107	FO	—	2 drakes, 1 hen
Shovler	1	SH	U3/T107	FO	—	1 drake
Avocet	1	SH	U3/T105	FO	—	
Mallards	5	EMS	U3/T105	UD	—	
Mallards Black Birds	X	SS	U15/53	NS	—	
			May 17, 2006			
Resting Black Birds	X	EMT	U7	NS	—	
Gadwall	2	SH	U7/53	RL	—	
Mallards	2	SH	U7/53	RL	—	
Gadwall	2	SH	U7/T45	RL	—	
Gadwall	2	SH	U7/T57	RL	—	
Mallards	3	EMS	U7/T57	FO	—	
Mallards	2	EMT	U7/T57	UD	—	
			May 18, 2006			
Killdeer	1	MF	U7/T65	NS	—	
Mallards	2	SH	U7/T65	RL	—	
Canada Geese	2	SG	U8/T75	FL	—	
Canada Geese	5	SS	U8/T73	FL	—	
Western Meadowlark	1	SS	U17/T76	NS	—	

Number:

X = present (too numerous to count)

Habitat Codes:

- EMT = Tall Emergent (Cattail, bulrush)
- EMS = Short Emergent/Wet Meadow (rush, sedges)
- MF = Mud Flat/Shore (unvegetated flat/shore)
- SS = Shrubland (dominated by greasewood, rabbitbrush)
- DE = Deep water (>2')
- SH = Shallow water (<2')
- SG = Saltgrass (salt grass, alkali sacaton flats)
- GR = Grassland (non salt grass but not wetland veg)

Behavior:

- FO = Foraging
- NS = Breeding/Nesting/Singing
- RL = Resting/Loafing
- FL = Flying
- UD = Undetermined

*Doe ND Nests
1 1/2

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: 15 May 06

Observer: K. Stone

Sw = S hollow 4/20

Species	Number	Habitat	Unit/Transect	Behavior	Nest/eggs/young	Comments
Wfb	2	TEM	9/105/S	FY/FO		
MWNA	X	TEM	9/105/S	NS		
Wll	1	deep+sw	"	Dead	1 depunctated egg	
Shore/Grass		↓				
Purple	1	↓	9/105	NS		
RWB	X	deep, wll	↓	NS		
Anov	2	deep sw	9/105 (Mid)	? Not incubating		
W.P.H	6	↓	"	FO		
Small Pines	1	Wll+long sw	9/105/N	Empty Fluted		
Wll: 9+28	1	flying in	9/105/M-N	NS		
			1/6 MAY			
W.P.H	20	subsw	6/39/mid-	NS		
RWB	X	↓ (sw)	↓	NS		
SNDR	11	↓	6/37/N	NS		
SORA	1	sem deep sw	↓	NS		
RWB	X	↓	↓	NS		
W.P.H	15	sw	6/37/	NS		
Spotted Sandpiper	1		6/37/M			
ANAN	2			NS		
W.P.H	30			FO		
W.P.H	X					
RWB	2					
Duck Spaced Wll, Puff, W.P.H, Tail	100+					Being robbed by blackbirds + sw

Numbers: (circled) present too numerous to count

Habitat Codes:
EMT = Tall Emergent (Cattail, bulrush)
EMS = Short Emergent/Wet Meadow (rush, sedges,
MF = Mud Flat/Shore (unvegetated flat/shore)
SS = Shrubland (dominated by greasewood, rabbitbrush)
DE = Deep water (>2')

Behavior:
FO = Foraging
NS = Breeding/Nesting/singing
RL = Resting/loafing
FL = Flying
UD = Undetermined

SH = Shallow water (<2')
SG = Saltgrass (salt grass, alkali sacaton flats)
GR = Grassland (non salt grass but not wetland veg)



I didn't take notes on birds while in the Transsects 33-35. But see ND nests

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: 16 May 06 Observer: K Stone

Species	Number	Habitat	Unit/Transect	Behavior	Nest/eggs/young	Comments
Amav	6	deep sw	6/37/S	NS		
Amav	3	deep sw	6/43/M	NS		
RUBB	X	sub ^{part} emergent vls w	6/41/N	NS		This exposure of mud struts @ Nest (100 yds S of N Pond) extends S. for ~1/4 m.
SNPE	1, 1					
YHBB	X					
WPH	20					
NO5H	1	sub sw	6/33/S	NS	4 eggs - laying	off-line
CAGO	1	v	6/33/S	NS	1 egg - incubated	
WBL	9	ser				
Green backed heron	1	barren edge v		FO		
SRA Virginia Rail	1	EmT	6/51/N			Yellow bill / Spring neck canal
Sparrow sparrow	X		17/79/S-N	NS		Only sparrows - no ducks - not flying + 1 singing
RUBB			17 MAY 06			
RUBB	X	EmT	17/81/S	NS		
Duck Sparrow	50	EmT+sw	17/81/S	?		IN Canal
EmT	1	EmT	17/81/M	NS		
M. W. Greer	X	EmT	17/81/N	NS		
Mallard Pair (E 81)	2 6	EmT+sw	17/81/N	3 flavored		

Number: _____ Habitat Codes: _____ Behavior: _____

X = present (too numerous to count) EMT = Tall Emergent (Cattail, bulrush) EMS = Short Emergent/Wet Meadow (rush, sedges, MF = Mud Flat/Shore (unvegetated flat/shore) SS = Shrubland (dominated by greasewood, rabbitbrush) DE = Deep water (>2') SH = Shallow water (<2') SG = Saltgrass (salt grass, alkali sacaton flats) GR = Grassland (non salt grass but not wetland veg)

FO = Foraging
NS = Breeding/Nesting/Singing
RL = Resting/Lounging
FL = Flying
UD = Undetermined

Leak Morgan - (B19) 545-9751

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: 5/17/2006

Observer: Richard

R. Day
weeds 2 hours
through

Species	Number	Habitat	Unit/Transect	Behavior	Nest/eggs/young	Comments
B.H. Owlbird	3	SG	18/85	FL		
Savannah Sparrow	1	SG	" "	NS		
R.H. Blackbird	1	SS		UD		
RU Blackbird	8	EMT	18/89	NS		
C.F. Ibis	2	EMS	" "	FO		
Meadow crow	1	EMT	" "	NS		
W. F. Ibis	4	EMS	18/91	PO		
Meadow lark	12	EMT	" "	NS		
W. T. Ibis	4	EMS	" "	PO		
W. T. Ibis	1	EMS	" "	FL		
V.W. Woodpecker	8	EMT	" "	NS		
W. W. Woodpecker	3	EMS	18/93	FL		
N. Oriole	1	EMS	" "	FL		
V.W. Blackbird	2	EMT	" "	NS		
Meadow lark	3	EMT	" "	NS		
W. Phoebe	9	EMS	18/95	FL		
Meadow lark	2	EMS	" "	UD		
G.H. Blackbird	1	EMS	" "	RL		
Meadow lark	2	SC	" "	UD		
Cinnamon teal	2	SH	" "	UD		
Meadow lark	2	SG	" "	UD		
W. T. Ibis	1	BH	18/97	RL		
N. Oriole	1	SG	" "	FO		
Meadow lark	1	SS	18/99	RL		

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 SS = Shrubland (dominated by greasewood, rabbitbrush)
 DE = Deep Water (>2')

Behavior:

FO = Foraging
 NS = Breeding/Nesting/Singing
 RL = Resting/Loafing
 FL = Flying
 UD = Undetermined

SG = Shallow Water (<2')
 SH = Shallow water (<2')
 SG = Saltgrass (salt grass, alkali sacaton flats)
 GR = Grassland (non salt grass but not wetland veg)

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: 18 May 02 Observer: Stone

Species	Number	Habitat	Unit/Transect	Behavior	Nest/eggs/young	Comments
NEP1	102	OWD	18/107/S	NS		
DWRB	X	EWT	18/107/N	NS		in canal
Duck pairs	~10			Flushing - for NS		
crow	2	EWT	18/103/M	NS		Dry snide EWT
Mall ducks	3	EWT		?		
Coastal duck	X 1	EWT				
crow		EWT	18/103/N			
Mall	2, 2	EWT	18/107/S			
off	1					
Mall ♀	2	EWT, X1	18/107/M	NS		Strongly suggest nesting
Virginia Rail	1	EWS	19 MAY	Ob		
Shore			9/95/S	NS		Vocalization: Beaks clapping together
Shore	1	WASW	9/95/S	NS		
Red H ♀	1	Semityla	9/95/19	NS		off line
Pairs: Red H	1		9/93+95			
Pairs of Red H	15					
Pairs of Mall	10					
Pairs of Mall	1					

X = present (too numerous to count)

Number:

Habitat Codes:

Behavior:

- EWT = Tall Emergent (Cattail, bulrush)
- EWS = Short Emergent/Wet Meadow (rush, sedges,
- MF = Mud Flat/Shore (unvegetated flat/shore)
- SS = Shrubland (dominated by greasewood, rabbitbrush)
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- SH = Shallow water (<2')
- SG = Saltgrass (salt grass, alkali saccaton flats)
- GR = Grassland (non salt grass but not wetland veg)
- FO = Foraging
- NS = Nesting/Westing/Singing
- RL = Resting/Loafing
- FL = Flying
- UD = Undetermined

02

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: Bethesda

Observer: 5/18/2000

56-5529

Species	Number	Habitat	Unit/Transect	Behavior	Nest/eggs/young	Comments
<i>Pentail</i>	2	SG	4/109	UD		
<i>Dend. aperival</i>	1	SS	10/109	FO		
<i>Novelunon</i>	3	EMT	10/109	NS		
<i>inland</i>	15	BMS	" "	FO		
<i>Band aperival</i>	1	SS	" "	UD		
<i>par-ama& aperival</i>	3	SS	" "	NS		
<i>Common teal</i>	8	BMS	" "	UD		
<i>Wilson phalarope</i>	4	BMS	10/111	FL		
<i>N. grebe</i>	2	SH	" "	UD		
<i>par-ama& aperival</i>	4	GR	4/111	NS		
<i>Novelunon</i>	4	GR	" "	NS		
<i>oh. grebe</i>	5	GR	4/113	UD		
<i>onyx grebe</i>	2	SH	" "	FO		
<i>great heron</i>	1	SS	10/113	UD		
<i>shrike</i>	5	SH	" "	NO		
<i>P. W. blackbird</i>	13	BMS	" "	NS		
<i>inland</i>	12	DE	10/115	UD		
<i>inland</i>	2	DE	11/15	RL		
<i>inland</i>	2	DE	" "	UD		
<i>inland</i>	3	EMNS	" "	FO		
<i>W. f. ibis</i>	3	EMNS	" "	NS		
<i>inland</i>	1	SH	" "	NS		
<i>inland</i>	2	SS	4/117	NS		
<i>inland</i>	2	EMNS	" "	UD		

Number: X = present (too numerous to count)

Habitat Codes:

Behavior:

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- SS = Shrubland (dominated by greasewood, rabbitbrush)
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- SG = Saltgrass (salt grass, alkali sacaton flats)
- GR = Grassland (non salt grass but not wetland veg)

- FO = Foraging
- NS = Breeding/Nesting/Singing
- RL = Resting/Loofting
- FL = Flying
- UD = Undetermined

(over)

19

See map notes from U9 for more bird species info

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: 19 MAY 06 Observer: Stone

Species	Number	Habitat	Unit/Transect	Behavior	Comments
Nosh/Rite, Male	40	EMSSW	9/91M	Flushed-	but 90% in pairs
NORI	2	1			
RWB	X	EMSSW			
YRB	X				
Snipe	1				
Urbk	10	EMSSW	9/91M	Fo	
WSB	20		9/91M	FD	
Redh(3)	1,1	Partial M		flushed	
SGA	2	SEMSW	9/91M	NS	
cta ♀ (2)	1	SEMSW	9/89M	NS	
Yhb	X	1	9/89M		
cnge	X	Tem	9/89M		
MWR					
gute ♂	50	15	ov		
gute ♀	25				
Male ♂	5	3			
COOT	1	Sem SW	9/89M		dead coot on nest, possibly killed
SGA	1	SEMSSW	9/89M		
Amibi	1				
cta RR	1	SEMSSW			
cta/white ♀	1		off line 9/89M	NS	
Male ♀	1				

Number:

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- SG = Saltgrass (salt grass, alkali sacaton flats)
- GR = Grassland (non salt grass but not wetland veg)

Behavior:

- FO = Foraging
- NS = Breeding/Nesting/Singing
- RL = Resting/Loafing
- FL = Flying
- UD = Undetermined

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: 06/12/06 Observer: BIRD WELMESTER

630 am - 1022 am

Species	Number	Habitat	Unit/Transect	Behavior	Nest/Eggs/Lyng	Comments
Unknown Sparrow	1	GR	24/109	NS		
American Avocette	1	SG	24/111	FL	NDY- Yeggs	Nest Date sheet completed
Killdeer	1	SG	24/111	FL		
American Avocette	2	MF	24/113	FL		
Killdeer	8+	MF/EMS	24/113	FL		
Redwing Blackbird	10+	MF/EMS	24/113	FL		
American Avocette	75	SH/EMS	24/115	BEFO		
White-faced Ibis	1	EMT	24/115	RL		
Cinnamon Teal	8+	SH	24/115	RL		
Green Teal	3+	SH	24/115	RL		
N. Shoveler	4+	SH	24/115	RL		
Cooters	4	DE	24/115	RL		
Mallard	2	SH	24/115	NS		
Killdeer	Several	MF	24/115	UP	OTL	OFF Transect
Marek Wren	6+	EMT	24/115	UP		
Blackbird - Unknown	1	GR	24/115	NS	4eggs	OFF Transect
White-faced Ibis	1+	EMT/EMS	24/117	UP		
Killdeer	Several	SC	24/117	FL		1 fledging
A. Avocette	Several	SC	24/117	FL		
Long-billed Dowitcher	2	SH	24/117	FL		
Ducks - Several species	30	SH	24/117	RL		Species include - Green Teal, Cinnamon Teal, Shoveler
Marek Wren	6+	EMT	24/117	UD		Several old nests
None			24/119			No water
None			24/121 + 123			No water

Number:

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- SG = Saltgrass (salt grass, alkali sacaton flats)
- GR = Grassland (non salt grass but not wetland veg)

Behavior:

- FO = Foraging
- NS = Breeding/Nesting/Singing
- RL = Resting/Lounging
- FL = Flying
- UD = Undetermined

M

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: 12 June 06 Observer: STW

Species	Number	Habitat	Unit/Transect	Behavior	Nest/eggs/young	Comments
Amay	10 ⁺	deep sg	9/103(M)	NS		Disp sat, pellets of sw
WPH	30 ⁺					
KILL	X					
Shore	11	SEM TM	9/103/M	NS		
RWB	X	SEM SW	↓	NS		
SOLA	1	SEM SW	9/103/A-N	NS		fluvial
Amay	4	Sg	9/99/S			
RWB	X	L/T/TK/S	↓	NS/ing	→	
SNIDE	X	SEM SW	9/97/M	NS		
Duck - mall	30	↓	9/97/M	? FO		
M. Wren	X	TEM	↓	NS		
Cove	X	TEM	↓	NS		
Chadwick frog	X	SEM SW	9/97/M	NS		
RWB	1	SEM SW	9/97/M	NS		
N. Rail (?)	1		9/97/M	NS		2 Nidling,
Duck spp.	25	SEM TM/SW	9/97/M/S	? Eusuck		3 rd egg hatching. 100% of subj w/ 4" h2o
RWB	X			NS		clapping or "rocks hitting" vocalization
Cove	X			NS		
M. Wren	X			NS		

Number:

X = present (too numerous to count)

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- SH = Shallow water (<2')
- SG = Saltgrass (salt grass, alkali sacaton flats)
- GR = Grassland (non salt grass but not wetland veg)

Behavior:

- FO = Foraging
- NS = Breeding/Nesting/Singing
- RL = Resting/Loafing
- FL = Flying
- UD = Undetermined

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: 6-12-06

Observer: Datke

Species	Number	Habitat	Unit/Transect	Behavior	Nest/eggs/young	Comments
Killdeer	2	SG	U17/T75	NS		
Burrowing Owl	1	SH	U23/T79	UD		Drake
Gadwall	1	SH	U8/T73	UD		Drake
6-13-06						
Tail	1	DE	U1/T71	UN		Drake
C. Towl	2	SH	U1/T69	RL		Drake + Hen
Ibis	1	SH	U11/T67	UD		
N. Shoveler	3	SH	U1/T63	UD		2 Drakes 1 Hen
Avocet	2	SH	U1/T63	FO		
Mallards	2	SH	U1/T61	UD		1 Drake 1 Hen
N. Shoveler	2	SH	U1/T61	UD		2 Drakes
Gadwall	1	SH	U1/T61	UD		1 Drake
Ibis	3	EMS	U1/T61	FL		
Gadwall	1	EMS	U1/T59	NS		
Avocet	6	SH	U7/T53	FO		off center transect line, eggs are 12 days Inc. Stage
6-14-06						
Avocet	2	SH	U7/T59	EO		
6-15-06						
Avocet	1	SH	U7/T69	FO		

Number:

X = present (too numerous to count)

Habitat Codes:

- EWT = Tall Emergent (Cattail, bulrush)
- EMS = Short Emergent/Wet Meadow (rush, sedges,
- MF = Mud Flat/Shore (unvegetated flat/shore)
- SS = Shrubland (dominated by greasewood, rabbitbrush)
- DE = Deep water (>2')
- SH = Shallow water (<2')
- SG = Saltgrass (salt grass, alkali sacaton flats)
- GR = Grassland (non salt grass but not wetland veg)

Behavior:

- FO = Foraging
- NS = Breeding/Nesting/Singing
- RL = Resting/Loafing
- FL = Flying
- UD = Undetermined

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: 14 June 02 Observer: K. Stone

Species	Number	Habitat	Unit/Transect	Behavior	Nest/Eggs/Lyng	Comments
Snake	1		2/7 ⁹ /N	NS		
Ch. Mallard	ID	SW/TM	2/7 ⁹ /S	FO/RL		Near Spung Creek Canal
M. Wren	X	Tm	2/7 ⁹ /S	NS		Spung Creek Canal - R11
YHRB	X		7 ⁹			
Mourner	2	sq	2/8/1/N	? mobbing	but not in tree	
Virginia(?) Rail	1	sq	2/8/1/N		1 deep egg	→ deep water
M. Wren	X	mla	2/8/1/S	NS-vocal		NO CALIZATION = Rocks hitting together = Vng
YHRB	X	mla	2/8/1/S	NS		
N. Harrier	1	mla				
Gadwall	1	deep + sem	2/8/3/N	Dead		carcass on line but
RWB	X	sem/sw	17/8/1/S	NS		
Tail (Antelope)	1			dead	Deep egg	couldn't find nest on Tm. could
Tail	1					(2 eggs w/in 55 yards)
M. Wren	XX	Bulrush + Tm w/ 2-3"	17/8/1/M to N	NS?		
Red H	1	bulrush + 3"	17/8/1/S	NS?		couldn't find nest, flushed just off line (to W)
Snowy Egret	~15	Deep	2/1/1/S	FO		
M. Wren	XX	Tm	8/8/1/S	NS		
YHRB	X					

Number:

X = present (too numerous to count)

Habitat Codes:

- EMT = Tall Emergent (Cattail, bulrush)
- EMS = Short Emergent/Wet Meadow (rush, sedges,
- MF = Mud Flat/Shore (unvegetated flat/shore)
- SS = Shrubland (dominated by greasewood, rabbitbrush)
- DE = Deep water (>2')
- SH = Shallow water (<2')
- SG = Saltgrass (salt grass, alkali sacaton flats)
- GR = Grassland (non salt grass but not wetland veg)

Behavior:

- FO = Foraging
- NS = Breeding/Nesting/Singing
- RL = Resting/Loafing
- FL = Flying
- UD = Undetermined

Rail
NS 50%

BIRD DATA SHEET-DUCK NEST TRANSECTS, MVNWR

Date: 15 JUNE 06 Observer: STONE

Species	Number	Habitat	Unit/Transect	Behavior	Nest/eggs/lyng	Comments
Redd PNOPI	1	sem sw	9/95/M	NS		By nest 18. Ducklings must
M. Wren	X	Ter	1	NS		Be in area - she is displaying
RWBIB	1	sem ^{sw}	9/95/M	NS	eggs/lyng	on line
RUBB	2		9/89/M-N	NS	eggs/lyng	young in nest
Mall	1	sem ^{sw}	9/89/M		1 deep egg	looked for nest but didn't find. egg in line
Mall ♀	1	sem ^{sw}	9/91/N	NS		ducklings nearby, ♀ displaying
SOA	1		1	NS		
Chick/duck ♀	1	sem ^{sw}	9/91/N	NS		Pushed near nest 20 but credit for her (true nest)
RUBB	1	sem ^{sw}	9/91/S	on line NS	4 nestlings	
Coat	1	sub ^{sw}	9/89/S	NS	9 eggs	on line
Duck species	TS	sem ^{sw}	9/91/N-S	Fd/PS/NS		
WPH	50+		9/19/1	NS		
WFB	30	✓	9/91/1	FD		
*BNST	2	sem ^{sw}	9/89/M	?		NOT MORNING NO DUCKS THE TALL ALONGSIDE BNST NEST. PROBABLY JUST FRESH

Number:
 X = present (too numerous to count)
 Habitat Codes:
 EMT = Tall Emergent (Cattail, bulrush)
 EMS = Short Emergent/Net Meadow (rush, sedges, MF = Mud Flat/Shore (unvegetated flat/shore)
 SS = Shrubland (dominated by greasewood, rabbitbrush)
 DE = Deep water (>21')
 SH = Shallow water (<21')
 SG = Saltgrass (salt grass, alkali sacaton flats)
 GR = Grassland (non salt grass but not wetland veg)

Behavior:
 FO = Foraging
 NS = Breeding/Nesting/singing
 RL = Resting/loafing
 FL = Flying
 UD = Undetermined

Handwritten notes:
 "Have not seen any other BNST on transects"
 "June transects"
 "now they are just foraging in late nesters? re nesters?"

Duck Nest Transect Info by Walker Name With Maps

(Desk)

May 06

Duck Nest Transects, May 15-20, 2006

Person	Unit	Transects	Alternate Walker	Notes	Conducted By
Kelli	1	55-71			Kelli
Scott M.	2 west	73-79	Mike B.		Jessica
Kelli	2 east	81-83			
Kelli	3 west	83-95	Jessica		Kelli 83-91
Brian	3 east	97-107	Jessica	Jessica: 105-107, Scott 103-89	
Mike B.	4	109-123		109-119 → Mike	
Brian	6	29-49		Kelli 29-51	
Brian	7 west	39-49		Kelli 39-51	
Scott M.	7 east	51-71		Jessica 53-67, Kelli 71	
Scott M.	8 west	73-79	Mike B.	Jessica 73-75, Kelli 77-79	
Kelli	8 east	81-83		Kelli	
Kelli	9	83-107		Kelli 107-105, Brian: 103-	
Mike B.	10	109-125		Do not go south of Bowen Ditch.	
Scott M.	14	23-37			
Mike B.	15	37-53			
Jessica	16	55-71		***Check in w/ Kelli before doing unit 16.	
Scott M.	17 west	73-79	Mike B.	Jessica 73-75, Kelli 77-79	
Kelli	17 east	81-89		Kelli	
Mike B.	18	85-99		Mike	
Kelli	18	101-107		Kelli	
Kelli	19	9-17		Do not do any of the transects w/in greasewood, just within levees.	
Jessica	23	73-83		Jessica	
Brian	24	109-123		Brian	

PERSON	DUCK NEST #S	NON-DUCK NEST NUMBERS	USED
Kelli	1-50	ND 1-50	
Brian	51-75	ND 51-75	
Mike B.	76-100	ND 76-100	
Jessica	101-125	ND 101-125	
Scott M.	126-150	ND 126-150	
			∅ (June = 126)

JUNE 2006

Completed by

Units 8, 17
TS 73, 75, 77, 79

Unit 2
TS 73-75

Unit 2
TS 77-83

Unit 8, 17
TS 81-89

Completed by

Duck Nest Transects, June 12-16, 2006

Person	Unit	Transects/Alternate	Notes
Jessica	1	55-71	Jessica
Scott M.	2 west	73-75	
Kelli	2 east	81-83	
Dean	3	83-107	Dean
Scott M.	4	109-123	Scott - 113-123 Kelli TS 109 + 111
Brian	6	29-49	Kelli TS 29-39 Brian TS 41-49
Brian	7 west	39-49	Brian TS 41-49
Jessica	7 east	51-71	Jessica 51-71
Scott M.	8 west	73-79	
Kelli	8 east	81-83	
Kelli	9	83-107	Kelli
Scott M.	10	109-125	Scott 113-123 Do not go south of Bowen Ditch. Kelli TS 109 + 111
Scott M.	14	23-37	Scott
Dean	15	37-53	Dean
Scott M.	17 west	73-79	
Kelli	17 east	81-89	Kelli
Brian	18	85-99	Kelli
Kelli	18	101-107	
Jessica	23	73-83	Jessica
Brad W.	24	109-123	Brian
	16	55-71	Not walked in May
	19	9-17	Not walked in May
			Used in blue
WALKER			DUCK NEST #S
Kelli			NON-DUCK NEST NUMBERS
Brian			ND 13-50
Dean			ND 53-75
Jessica			ND 76-100
Scott M.			ND 101-125
Brad W.			ND 126-150
			ND 141-150

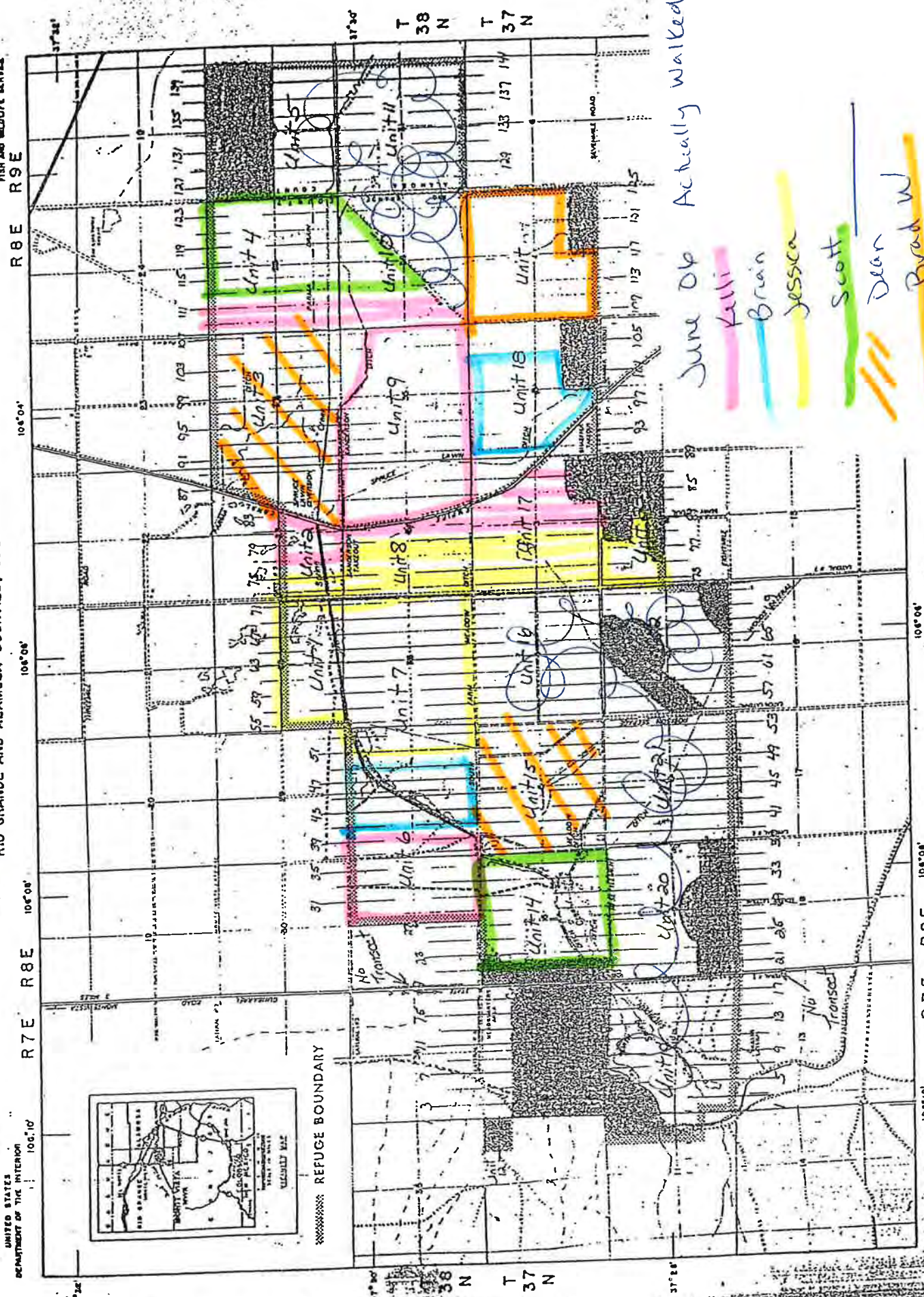
Nest # 22 Data sheet + nest; but found after transects

June Actually walked

MONTE VISTA NATIONAL WILDLIFE REFUGE

RIO GRANDE AND ALAMOSA COUNTIES, COLORADO

UNITED STATES
FISH AND WILDLIFE SERVICE

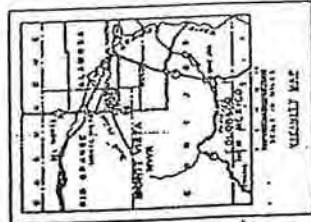


June 06 Actually Walked

- █ Kelli
- █ Brian
- █ Jessica
- █ Scott
- █ Dean
- █ Brad W

000 = Not Walked

UNITED STATES
DEPARTMENT OF THE INTERIOR



REFUGE BOUNDARY

NEW MEXICO PRINCIPAL MERIDIAN

100' 0"

0 100 200 300 400 500 600 700 800 900 1000 FEET

0 1 2 3 4 5 6 7 8 9 10 MILES

COMPILED IN SURVEYS AND MAPS FROM SURVEYS BY THE B.L.M., U.S.G.S., AND F.W.S.

DENVER, COLORADO
REVISED, MAY 1987

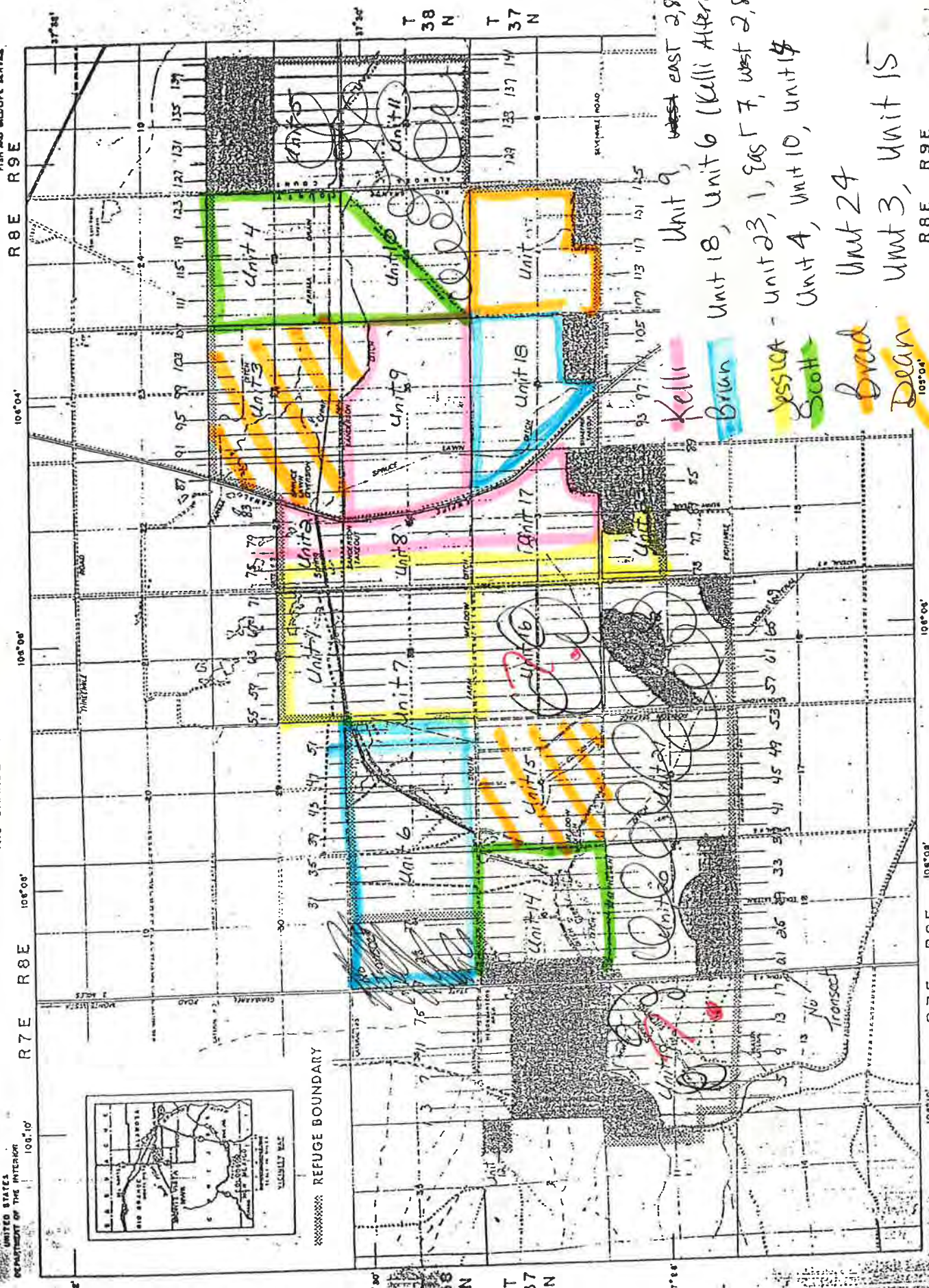
AUGUST, 1982

Plan for June

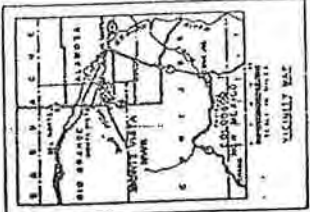
MONTE VISTA NATIONAL WILDLIFE REFUGE

RIO GRANDE AND ALAMOSA COUNTIES, COLORADO

UNITED STATES
FISH AND WILDLIFE SERVICE



UNITED STATES
DEPARTMENT OF THE INTERIOR



REFUGE BOUNDARY

COMPILED IN SURVEYS AND MAPS FROM
SURVEYS BY THE B. L. M., U. S. G. S., AND F. W. S.

NEW MEXICO PRINCIPAL MERIDIAN

R 7 E R 8 E R 9 E

106° 04'

106° 04'

106° 04'

106° 04'

Unit 9, ~~west~~ east 2,8,17
Unit 18, unit 6 (Kelli Alternate)

Jessica - unit 23, 1, east 7, west 2,8,17
Scott - Unit 4, unit 10, unit 14

Brad - Unit 24

Dean - Unit 3, Unit 15

R 8 E R 9 E

WEAR
DECLARATION
1978

0000 = NOT WALKING

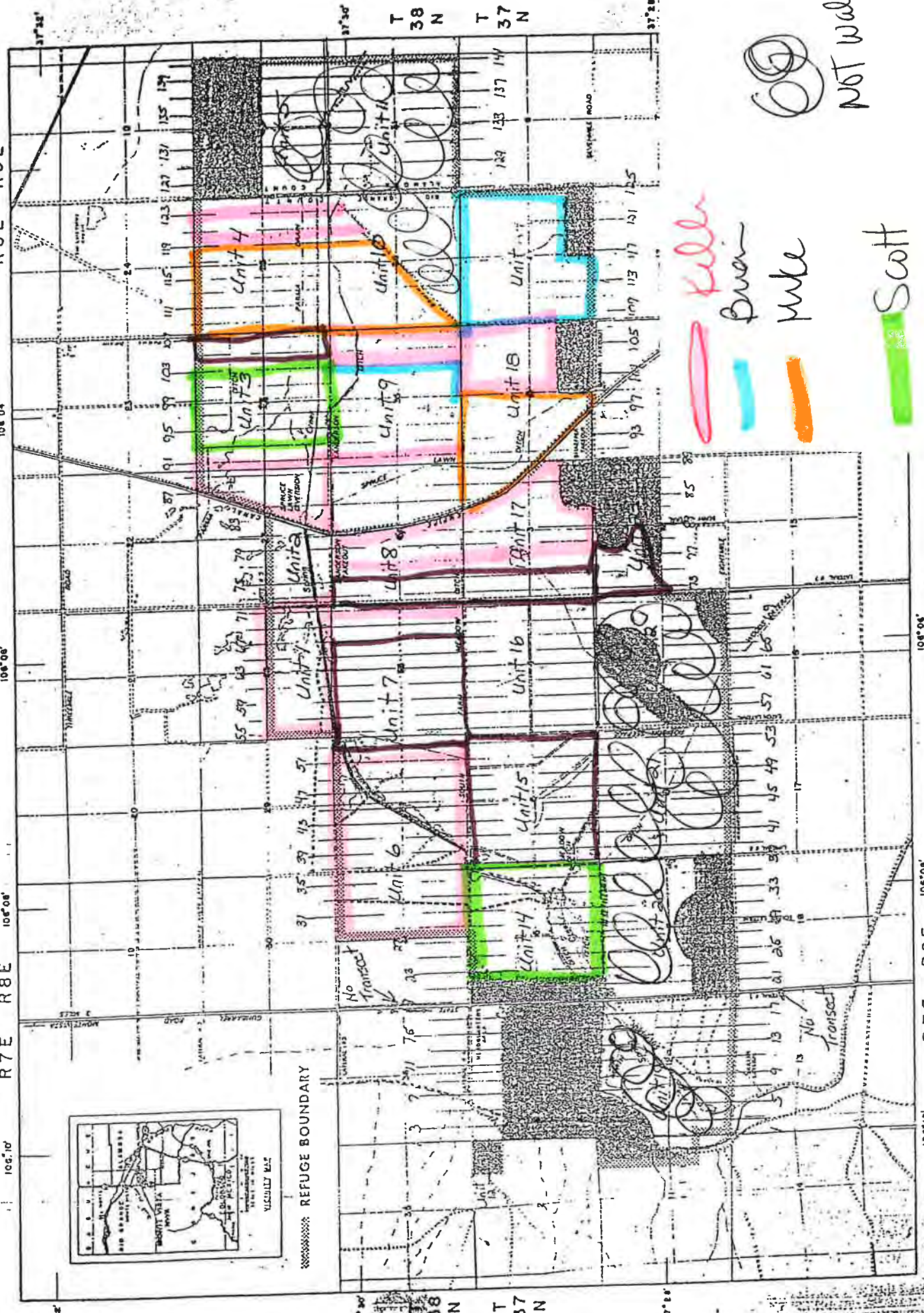
Walsh - May 04

MONTE VISTA NATIONAL WILDLIFE REFUGE

RIO GRANDE AND ALAMOSA COUNTIES, COLORADO

UNITED STATES
FISH AND WILDLIFE SERVICE

UNITED STATES
DEPARTMENT OF THE INTERIOR



- Killer
- Burr
- Mule
- Scott

NOT Walker

NEW MEXICO PRINCIPAL MERIDIAN

COMPILED IN SURVEYS AND MAPS FROM SURVEYS BY THE B. L. M., U. S. O. S., AND F. W. S.

DENVER, COLORADO
REVISED, MAY 1917

JANUARY, 1903

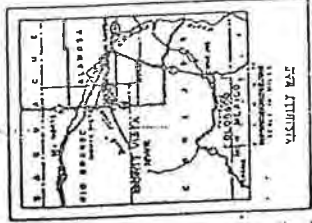
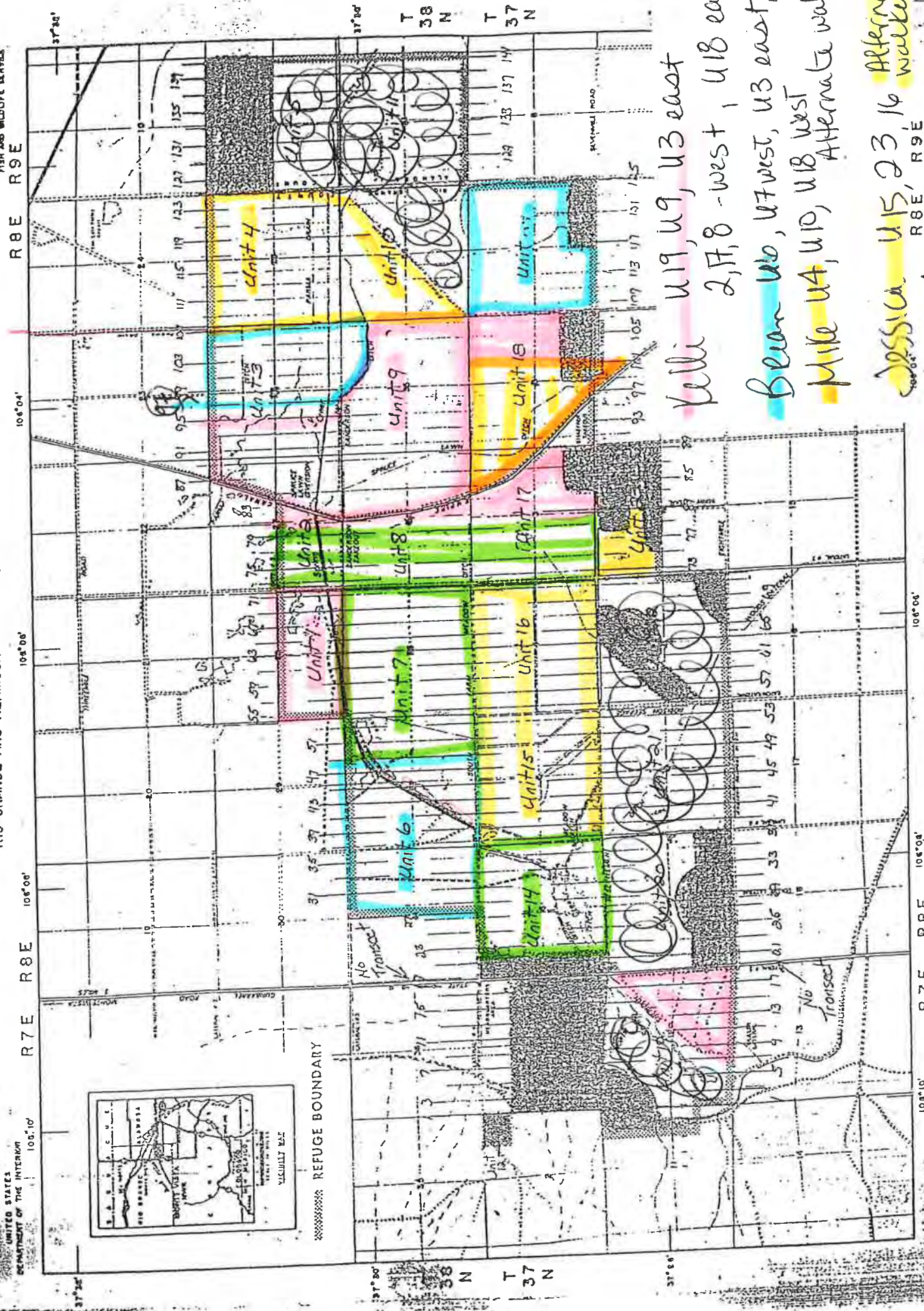
P18A MAY '06

(Desk)

MONTE VISTA NATIONAL WILDLIFE REFUGE

RIO GRANDE AND ALAMOSA COUNTIES, COLORADO

UNITED STATES
FISH AND WILDLIFE SERVICE



UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
NEW MEXICO PRINCIPAL MERIDIAN
COMPILED IN SURVEYS AND MAPS FROM SURVEYS BY THE B.L.M., U.S.G.S. AND F.W.S.

Yelli U19, U9, U3 east
2, F, 8 - west, U18 east
Bear U10, U7 west, U3 east, 2A
Mike U4, U10, U18 west
Alternate water
Jessica U15, 23, 16
Alternate water

Scott U14 east
U7 east
U2, 8, 17 west

Scott

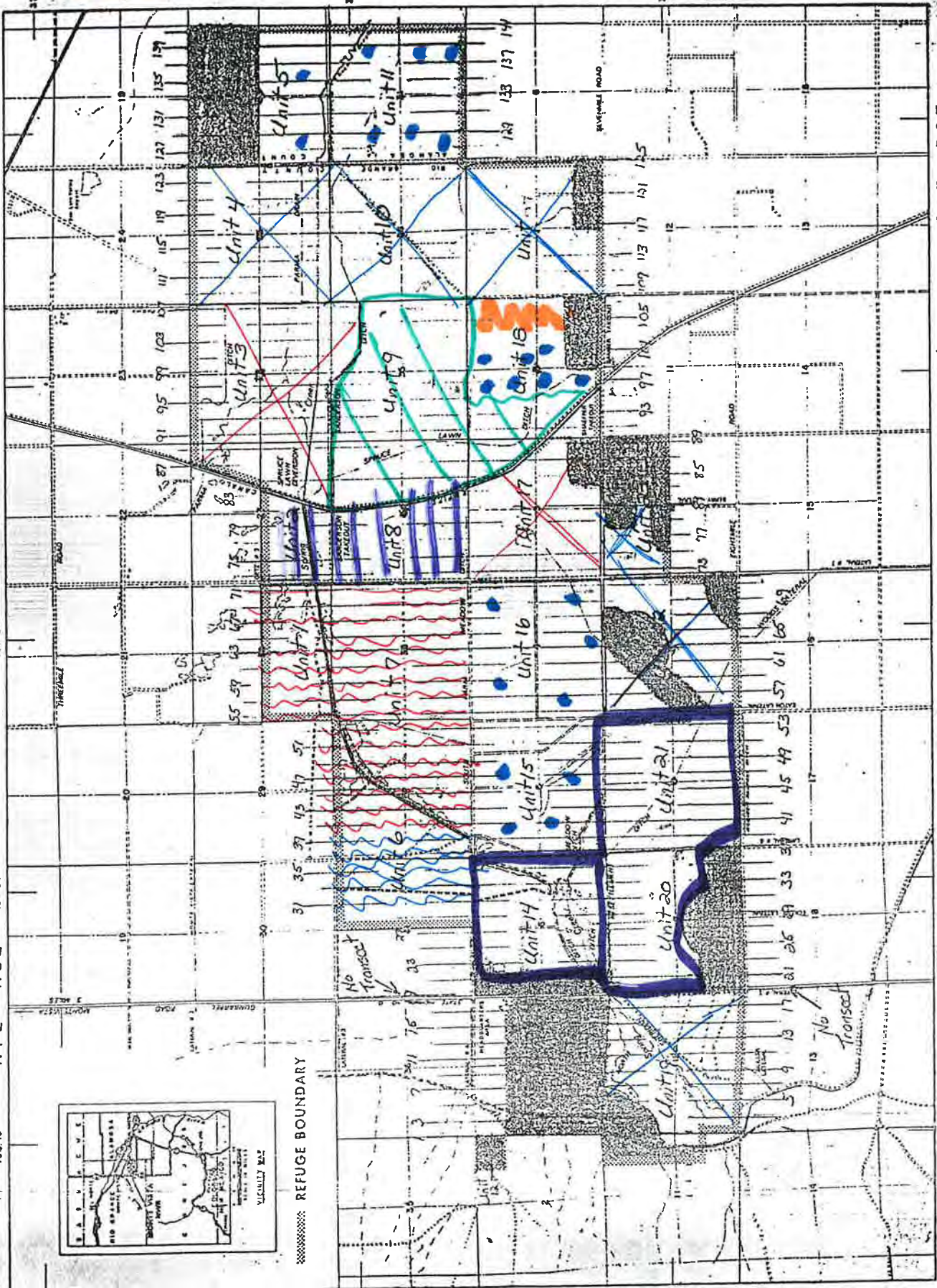
- Kelly X
- Lisa X

Jane Traverso
2000

MONTE VISTA NATIONAL WILDLIFE REFUGE

RIO GRANDE AND ALAMOSAS COUNTIES, COLORADO

UNITED STATES
FISH AND WILDLIFE SERVICE



UNITED STATES DEPARTMENT OF THE INTERIOR
108°10'

108°04'

108°00'

108°04'

108°10'

NEW MEXICO PRINCIPAL MERIDIAN

0 1000 2000 4000 FEET
0 1 2 MILES

UNITED STATES
FISH AND WILDLIFE SERVICE
1975
6R CO. 450 401

DEWEY, COLORADO
REVISED MAY 1967

JANUARY, 1923

TODD SANDERS

FOR

YFB

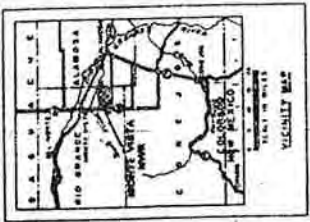
2000

MONTE VISTA NATIONAL WILDLIFE REFUGE

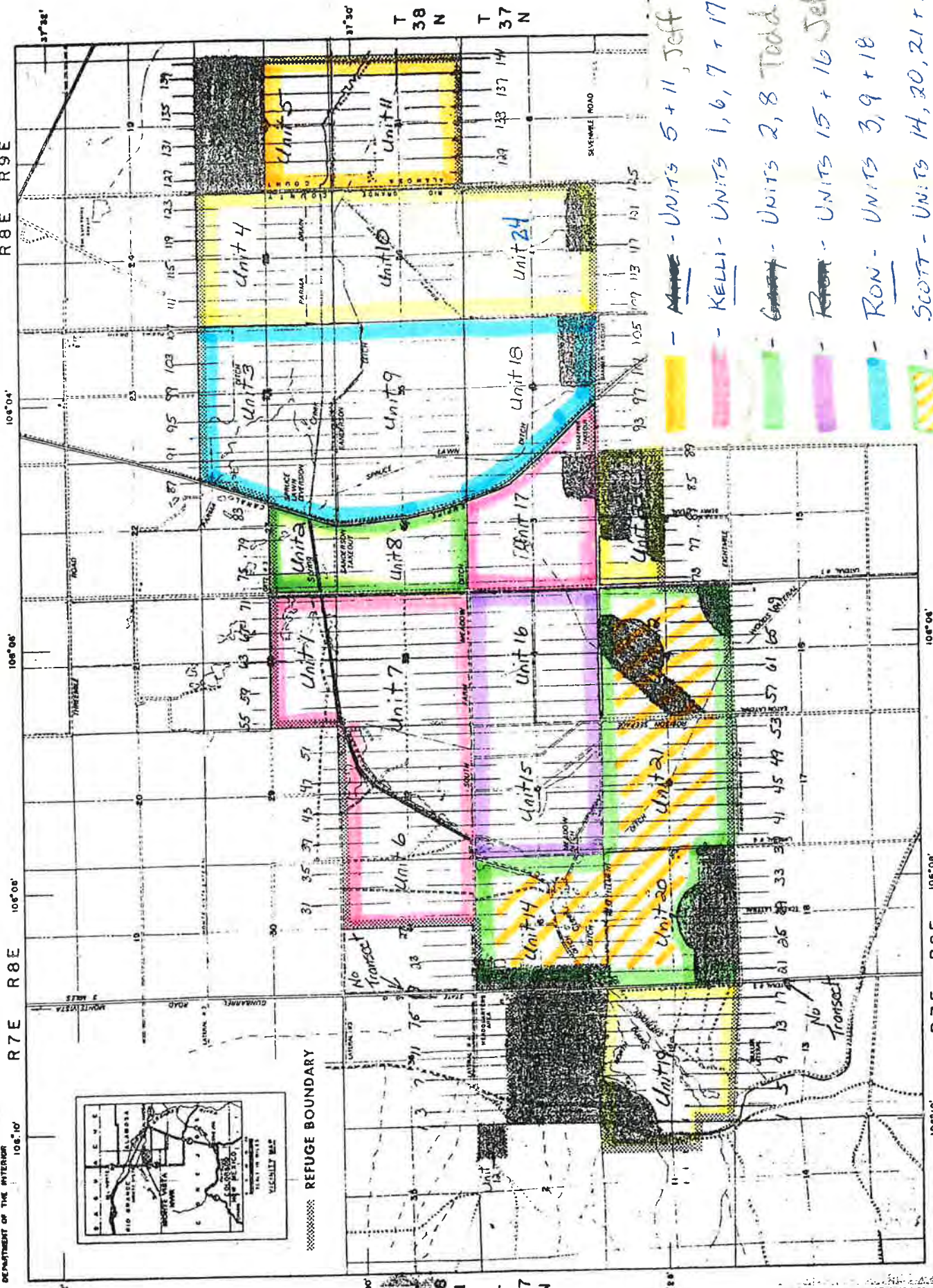
RIO GRANDE AND ALAMOSA COUNTIES, COLORADO

UNITED STATES
FISH AND WILDLIFE SERVICE

UNITED STATES
DEPARTMENT OF THE INTERIOR



REFUGE BOUNDARY



- ~~AMER~~ - UNITS 5 + 11, Jeff
- KELLI - UNITS 1, 6, 7 + 17
- ~~GRANT~~ - UNITS 2, 8 Todd
- ~~ROSE~~ - UNITS 15 + 16 Jeff
- RON - UNITS 3, 9 + 18
- SCOTT - UNITS 14, 20, 21 + 22
- LISA - UNITS 4, 10, 19, 23 + 24
- BRAD ~~of~~ UNIT 18

NEW MEXICO PRINCIPAL MERIDIAN



COMPILED IN SURVEYS AND MAPS FROM
SURVEYS BY THE B.L.M., U.S.G.S. AND F.W.S.

DENVER, COLORADO
REVISED MAY 1972

JANUARY, 1958

Assignments

May-Nesting Transects 2000

May

June

Mike: Units 5 & 11, Transects 129-141; nest numbers: 1-99 & NG1-NG99 #16 (WHATEVER RICK CANI FINISH)
June nest #s in June = 2-99

Kelli: Unit 17, transects 73-95
Unit 6, Transects 29-53

Cary: Units 1 & 7, Transects 55-71; nest numbers: 400-499 & NG400-NG499
June nest #s: 417 N6406

Rick: Units 2 & 8, Transects 73-83; nest numbers: 600-699 & NG600-NG699
June nest #s: 600-650

Ron: Unit 15, Transects 37-53
Unit 16, Transects 55-71; nest numbers: 100-199 & NG100-NG199
June nest #s: 102-199

Scott: Units 3, 9 & 18, Transects 83-107; nest numbers: 500-599 & NG500-NG599
June nest #s: 529-599 N6506 -

Lisa: Unit 14 & 20, Transects 21-35
Unit 21, Transects 37-53
Unit 22, Transects 55-71; nest numbers: 300-399 & NG300-NG399
June nest #s: 300-399

Unit 19, Transects 1-17
Unit 23, Transects 73-83
Units 4, 10 & 24, Transects 109-123; nest numbers: 200-299 & NG200-NG299
June nest #s: 200-299 & NG 216- NG 299

Unit 18, Transects
June nest #s: 651-699

2000

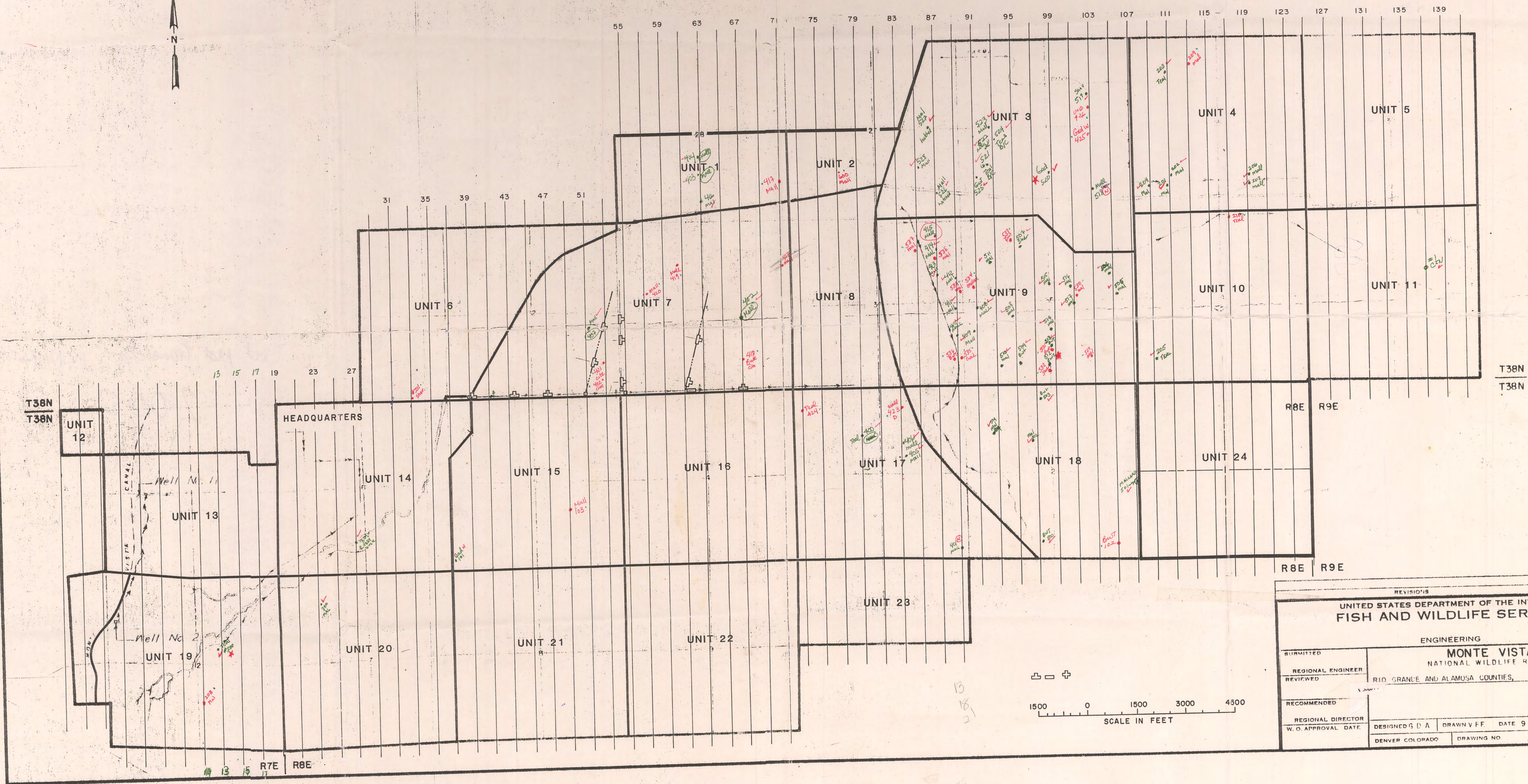
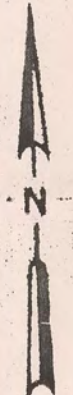
Duck Nest Transect Map

Duck Nest Transects, 2000

May (22-26) = Green

June (19-) = RED

✓ Nest found @ 2nd visit
 ✗ = Nest not found / relocated @ 2nd visit
 * = still active in June



REVISIONS		4-25	RJS
		DATE	DRAWN
UNITED STATES DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE			
ENGINEERING			
MONTE VISTA NATIONAL WILDLIFE REFUGE			
SUBMITTED		RIO GRANDE AND ALAMOSA COUNTIES, COLORADO	
REGIONAL ENGINEER REVIEWED			
RECOMMENDED	DESIGNED G D A	DRAWN V F F	DATE 9-76
REGIONAL DIRECTOR W. O. APPROVAL DATE	DENVER, COLORADO	DRAWING NO.	CHECKED