1993

Waterfowl Production Survey

Units 1-3

FIELD FORM
Waterfowl Production Survey

Observer BROCK Date 5/19/93 Unit # 1 Transect # 59

FIRST VISIT

Species BWT
Nest # 405
Status (check one)
- [X] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
4 Inc. stage
0 # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [X] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [X] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

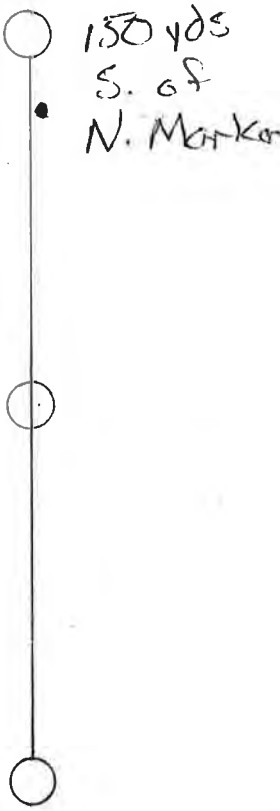
Date 6/7/93

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

Cattle pulled this flag also but was able to locate remains of nest

N
W E
S

Location Sketch



Notes 150 yds south of N Marker 75 yds south of 1st bunch of cattails

Unit # 1
Transect # 59
Nest # 405 is located
25 ft in [ ] North [X] South
of flag and
7 ft 10 in [X] East [ ] West
of Transect line
Grazing Cell # Cooley
Paddock # 10

Compute Mayfield

	Species AOU	5/8	Initiation date
0	# eggs hatched	6/6	Est. hatch date
0	# eggs remain	.	Exposure days
11	age when found		

#405 Transect 59

FIELD FORM
Waterfowl Production Survey

Observer Brock Date 5/19/93 Unit # 1 Transect # 55

FIRST VISIT

Species BWT
Nest # 404
Status (check one)
- [X] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

8 # eggs
4 Inc. stage
0 # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [X] Flooded

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






COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

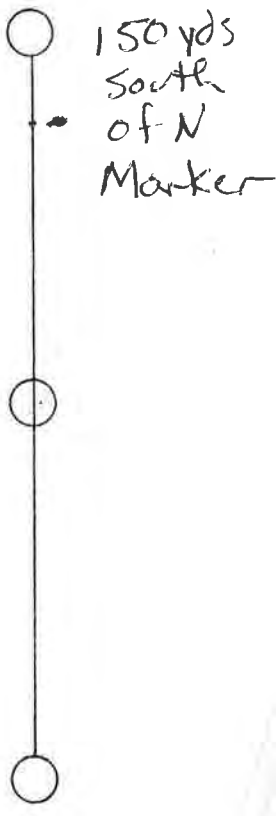
Date 6/22/93

(check one) 2 6
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [ ] Abandoned 2 6
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____

cattle must have pulled flag - could not locate nest on flag — sorry

N
W E
S

Location Sketch



Notes
150 yds South of N Marker & east of C/L

Unit # 1
Transect # 55
Nest # 404 is located
25 ft in [ ] North [X] South
of flag and
8 ft in [X] East [ ] West
of Transect line
Grazing Cell # Cooley
Paddock # 10

Compute Mayfield

___	Species AOU	215	Initiation date
___	# eggs hatched	6/6	Est. hatch date
___	# eggs remain	___	Exposure days
4	age when found		

#404

FIELD FORM
Waterfowl Production Survey

Observer Brock Date 5/19/93 Unit # 1 Transect # 63

FIRST VISIT

Species Goose
Nest # 406
Status (check one)
- [x] Active
- [x] Hatched
- [ ] Abandoned
- [ ] Destroyed

5 # eggs
Hatching Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

[ ]	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
[x]	Tla	Cattail
[ ]	Sva	Bullrush
[ ]	Other	_____

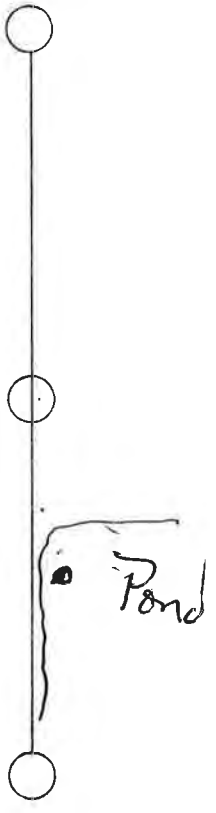
SECOND VISIT-Fate

Date 5 19 93

(check one)
- [x] Hatch
  - 2 # egg hatch
  - 3 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [x] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Location Sketch



Notes
This nest was hatching while I was there. 2 hatched 3 to go
Nest on C/L of transect
I did not flag this nest as it is successful

Unit # 1
Transect # 63
Nest # 406 is located
25 ft in [ ] North [ ] South
of flag and
ft in [ ] East [ ] West
of Transect line
Grazing Cell # Cooley
Paddock # 10

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer Brock Date 6/22/93 Unit # 1 Transect # 59

FIRST VISIT

Species Mal
Nest # 411
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
21 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 300ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other ___

SECOND VISIT-Fate

Date 8/3/93

(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [x] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Racoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___

N
W E
S

Notes 8/3 - Nest Abandoned Ale in incubation stage

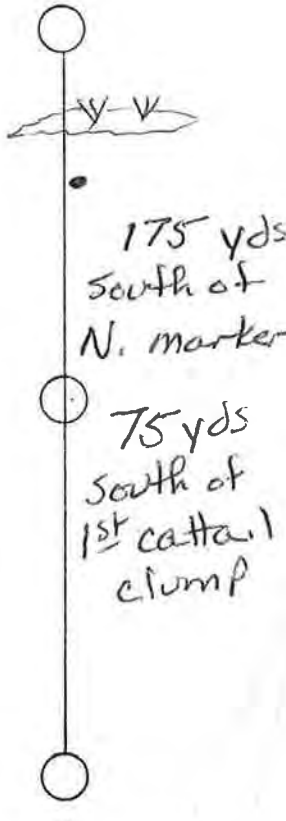
Location Sketch

Unit # 1
Transect # 59
Nest # 411 is located
25 ft in
- [ ] North
- [x] South

of flag and
4 ft 0 in
- [ ] East
- [ ] West

of Transect line

Grazing Cell # Cooley
Paddock # 10



Hatch July 6

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer Brock Date 6/22/93 Unit # 1 Transect # 71

FIRST VISIT

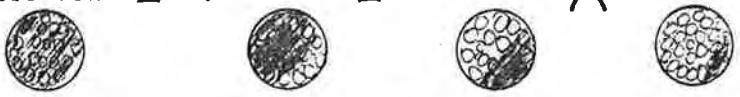
Species Mal
Nest # 412
Status (check one)
- [X] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
21 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [X] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/3/93

(check one)
- [✓] Hatch
  - 6 # egg hatch
  - — # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes

Located about 125 yds South of newly graveled dike in unit 1

I try to make them easy for you to walk to :) Ha Ha

8/3 This is excellent cover for nesting — thick, tall Baltic rush & other grasses

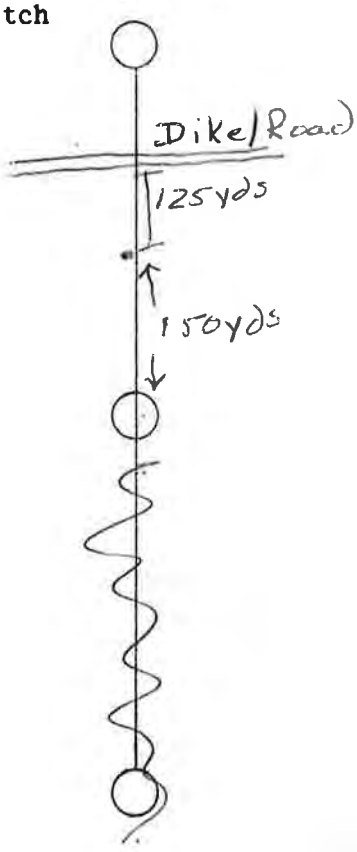
Location Sketch

Unit # 1
Transect # 71
Nest # 412 is located 25 ft in
- [ ] North
- [X] South

of flag and 2 ft 0 in
- [ ] East
- [X] West

of Transect line

Grazing Cell # Cooley
Paddock # 9



ROM

6/10

Compute Mayfield

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

FIELD FORM

Waterfowl Production Survey

Observer R. Coccia Date 5/22/93 Unit # 1 Transect # 69

FIRST VISIT

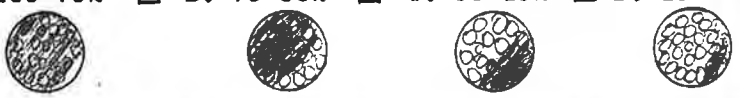
Species Bwf/cinn
Nest # 226
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

10 # eggs
9 days Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 10 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6/22/93

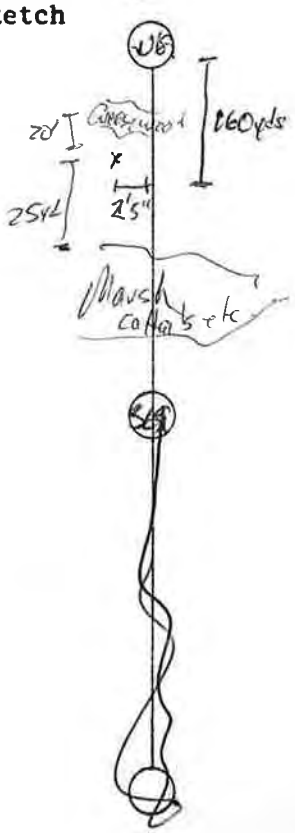
(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [x] Flooded flooded also
- [x] Destroyed
  - [ ] Raven/magpie
  - [x] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes
Nest on T69 approx 45 yds N. of Nearest cattail on transect

Location Sketch

Unit # 1
Transect # 69
Nest # 226 is located
25 ft 0 in [ ] North [x] South
of flag and
2 ft 5 in [ ] East [x] West
of Transect line
Grazing Cell # Cooley B
Paddock # 9



Compute Mayfield

	Species AOU	5/8	Initiation date
0	# eggs hatched	6/11	Est. hatch date
0	# eggs remain	.	Exposure days
14	age when found		

Waterfowl Production Survey

Observer R. Cowie Date 5/22/93 Unit # 2 Transect # 83

231

FIRST VISIT

Species Mallard
Nest # 231
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

1 # eggs
Fresh Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 3 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6/24/93

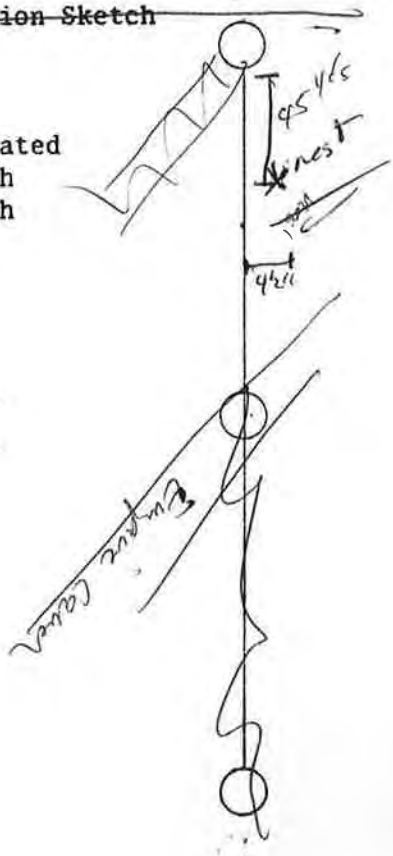
(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [x] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [x] Coyote
  - [ ] Unknown
  - [ ] Other _____

N
W E
S

Notes
Another Mallard directly E off transect

Location Sketch

Unit # 2
Transect # 83
Nest # 231 is located
25 ft 0 in [ ] North [x] South
of flag and
4 ft 2 in [x] East [ ] West
of Transect line
Grazing Cell # ___
Paddock # ___



Compute Mayfield

___	Species AOU	5/1	Initiation date
10	# eggs hatched	6/25	Est. hatch date
0	# eggs remain	.	Exposure days
1	age when found		

Waterfowl Production Survey

Observer R Garcia Date 5/22/83 Unit # 7 Transect # 71

Could not locate
No Nest flag - 30' West of transect - Why?

FIRST VISIT

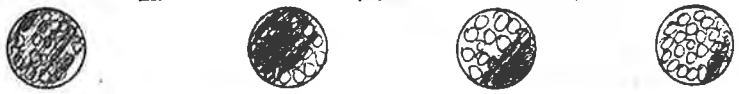
Species Avocet
Nest # 227
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

4 # eggs
? Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 6" ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



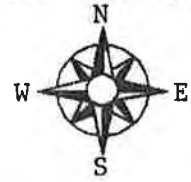
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date / /

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

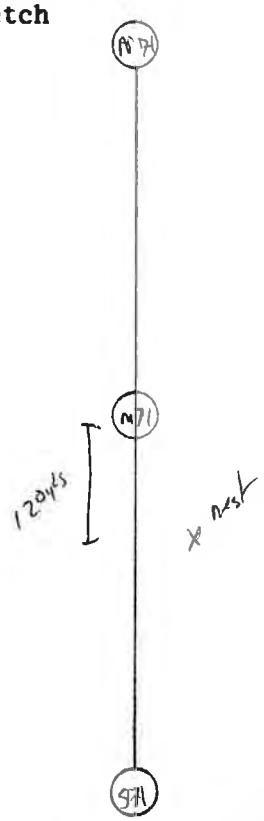


Notes

30' ??
Why

Location Sketch

Unit # 7
Transect # 71
Nest # 227 is located
25 ft in [ ] North [x] South
of ~~flag~~ and
30 ft 0 in [ ] East [x] West
of Transect line
Grazing Cell # Rockey 6
Paddock # 7



Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R Cooper Date 6/24/93 Unit # 2 Transect # 75

FIRST VISIT

Species Coot
Nest # ~~3~~265
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
7 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] 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
- [x] Sva Bullrush
- [ ] Other ___

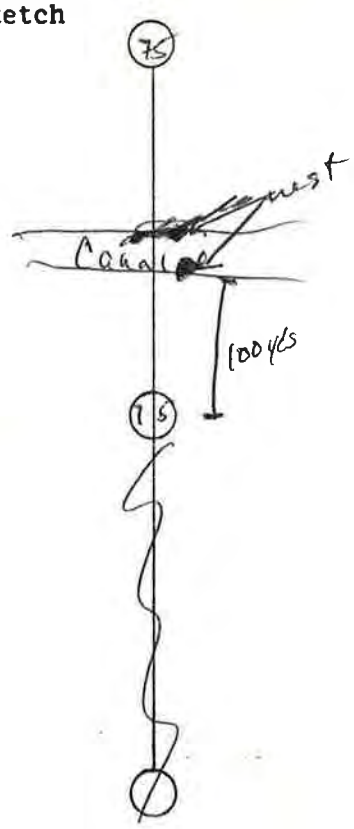
SECOND VISIT-Fate

Date 8/4/93

(check one)
- [x] Hatch
  - 7 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [x] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___



Location Sketch



Notes ___

Unit # 2
Transect # 75
Nest # 265 is located
25 ft 0 in
- [x] North
- [ ] South

of flag and
4 ft 4 in
- [x] East
- [ ] West

of Transect line
Grazing Cell # Sheep
Paddock # ___

Compute Mayfield
___ Species AOU ___ Initiation date
___ # eggs hatched ___ Est. hatch date

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/24/93 Unit # 2 Transect # 81

FIRST VISIT

Species Ruddy
Nest # 263
Status (check one) 263
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
19? Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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






COVER TYPE
(circle dominant cover)
- [ ] 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
- [x] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other ___

SECOND VISIT-Fate

Date 8/5/93

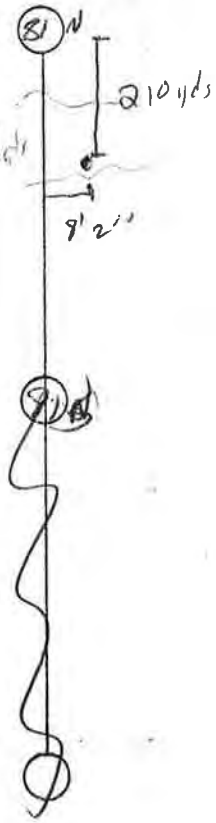
(check one)
- [x] Hatch
  - 9 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___



Notes ___

Location Sketch

Unit # 2
Transect # 81
Nest # 263 is located
~~25ft~~ ~~in~~ [ ] North [x] South
~~of~~ flag ~~and~~ 15
~~8ft 2 in~~ [ ] East [x] West
of Transect line
~~Grazing Cell #~~ ___
~~Paddock #~~ ___



* Ribbon on ~~Cattail~~ Bulrush
Directly W. of Nest on Center line

Compute Mayfield
___ Species AOU ___ Initiation date
___ # eggs hatched ___ Est. hatch date

7/14

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/17/93 Unit # 3 Transect # 105

FIRST VISIT

Species Ma
Nest # 204
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

10 # eggs
8 days Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 150ft

Soil Surface (check one)
- [x] Dry to mast
- [ ] Moist
- [ ] Flooded

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






COVER TYPE
(circle dominant cover)

- [ ] 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
- [x] Other Whitetop

SECOND VISIT-Fate

Date 6/21/93

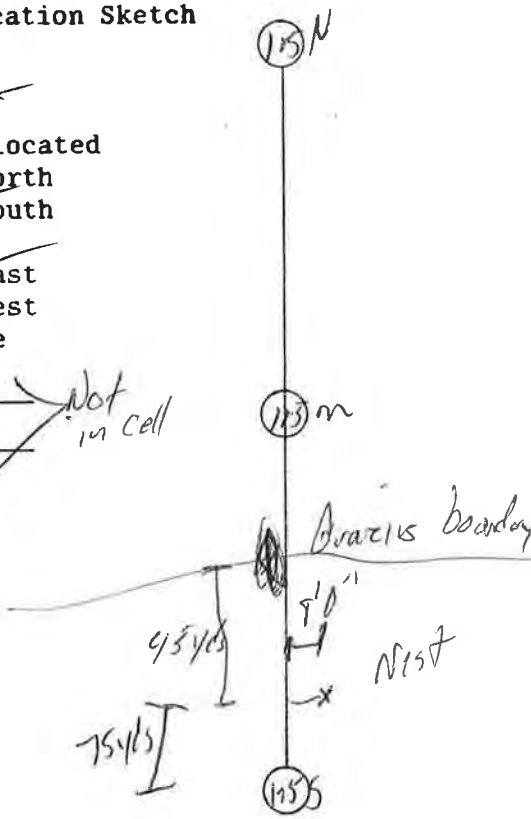
(check one)
- [x] Hatch
  - 10 # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [x] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___

N
W E
S

Notes Nest is on 105 @ 45 yds S. of Grazing Boundary (South).

Location Sketch

Unit # 3
Transect # 105
Nest # 204 is located
25ft in [ ] North [x] South
of flag and
8 ft 0 in [x] East [ ] West
of Transect line
Grazing Cell # ___ Not in cell
Paddock # ___



Compute Mayfield

	Species AOU	4/29	Initiation date
10	# eggs hatched	6/4	Est. hatch date
0	# eggs remain	.	Exposure days
16	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/18/92 Unit # 3 Transect # 99

FIRST VISIT

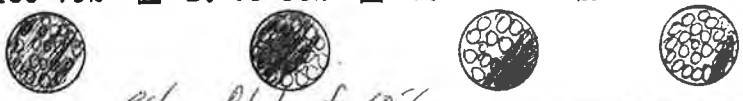
Species Mallard
Nest # 211
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
17days Inc. stage
— # parasitic eggs

Dist. to standing H_2O 60 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



est. Robel of 10"

COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 6/22/92

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



Notes
Nest is approx ½ way between Markers
20 yds S. of Cattails
6/22/92 Nest Successful Hen Hatched

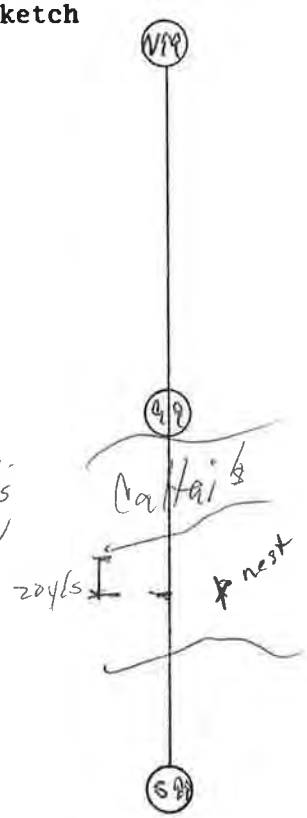
Location Sketch

Unit # 3
Transect # 99
Nest # 211 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
8 ft 4 in
- [x] East
- [ ] West

of Transect line
Grazing Cell # Brown
Paddock # 10

excellent cover in this paddock unlike all others in cell



Compute Mayfield

___	Species AOU	4/22	Initiation date
9	# eggs hatched	5/27	Est. hatch date
0	# eggs remain	___	Exposure days
26	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R Garcia Date 5/18/93 Unit # ~~B~~ 3 Transect # 99

Changed Nest # to 273 bcs 212 already used KS April 03

FIRST VISIT

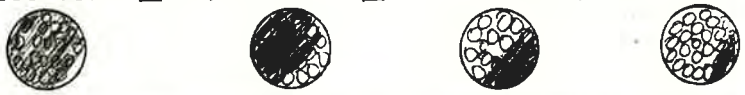
Species Mallard
Nest # 212 273
Status (check one)
- [ ] Active
- [ ] Hatched
- [ ] Abandoned
- [x] ~~Destroyed~~

8 # eggs
2 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 60 ft

Soil Surface (check one)
- [ ] Dry
- [x] ~~Moist~~
- [ ] Flooded

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

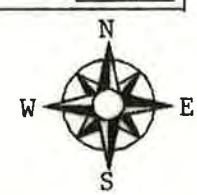


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 5/18/93

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



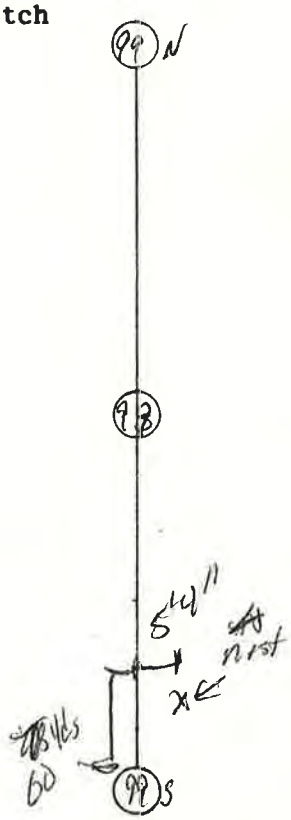
Notes Ribbon mixed in bowl for ID on Sine walk

Nest is approx 60 yds N of S/99 marker

Location Sketch

Unit # 3
Transect # 99
Nest # ___ is located
25 ft in [ ] North
[x] ~~South~~
of flag and
5 ft 4 in [x] ~~East~~
[ ] West
of Transect line

Grazing Cell # ___
Paddock # ___



Compute Mayfield

___	Species AOU	5/10	Initiation date
0	# eggs hatched	6/13	Est. hatch date
0	# eggs remain	.	Exposure days
B	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/19/93 Unit # 3 Transect # 89

FIRST VISIT

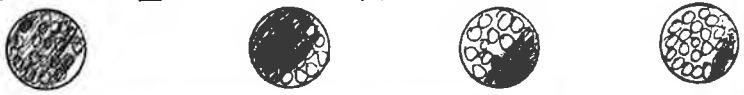
Species Pintail
Nest # 220
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed .

7 # eggs
fresh Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 1 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

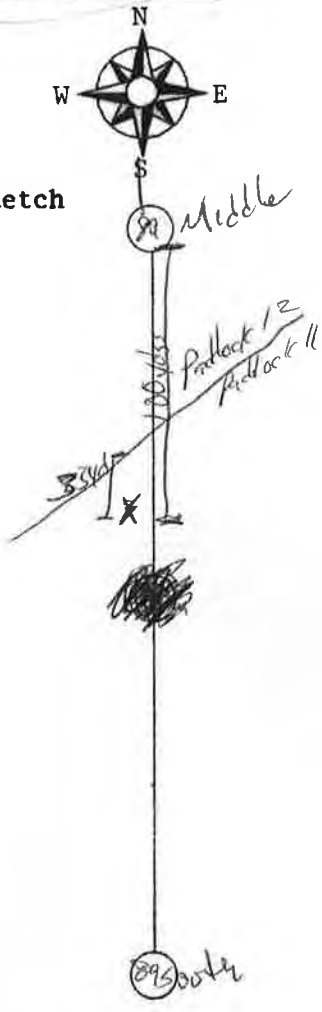
SECOND VISIT-Fate

Date 6/23/93

(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [x] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [x] Other mowed over

Notes Nest approx 100yds S. of Mid 89 Marker and 95 yds S of Electric Fence between P11 and P12

Location Sketch



Unit # 3
Transect # 89
Nest # 220 is located
25ft in [ ] North [x] South
of flag and
3 ft 0 in [ ] East [x] West
of Transect line
Grazing Cell # Brown
Paddock # 11

Compute Mayfield

	Species AOU	5/12	Initiation date
10	# eggs hatched	6/10	Est. hatch date
0	# eggs remain	.	Exposure days
7	age when found		

FIELD FORM
Waterfowl Production Survey

Observer P. Garcia Date 5/19/83 Unit # 3 Transect # 89

FIRST VISIT

Species C. Snipe
Nest # 221
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

1 # eggs
1 Inc. stage
— # parasitic eggs

Dist. to standing H_2O 0.5 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [x] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

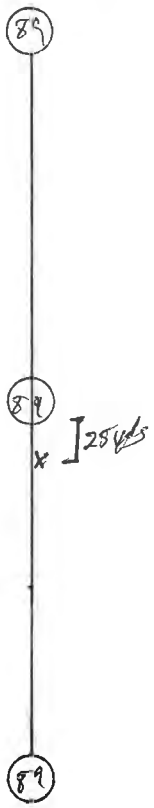
Date 6/23/83

(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg. remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [x] Unknown — Couldn't relocate
  - [ ] Other _____



Notes Nest Not Flagged
No real Spot just the egg on the vegetation - bird did flush

Location Sketch



Unit # 3
Transect # 89
Nest # 221 is located
~~75~~ ft in
- [ ] North
- [x] South

of ~~flag~~ center post and
1 ft 6 in
- [x] East
- [ ] West

of Transect line
Grazing Cell # Brown
Paddock # 12

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

FIELD FORM
Waterfowl Production Survey

Observer R. Correia Date 5/20/93 Unit # 3 Transect # 87

FIRST VISIT

Species Bwt/Cinn
Nest # 222
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

10 # eggs
9 days Inc. stage
— # parasitic eggs

Dist. to standing H_2O 5 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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






COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6 JN 93

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

N
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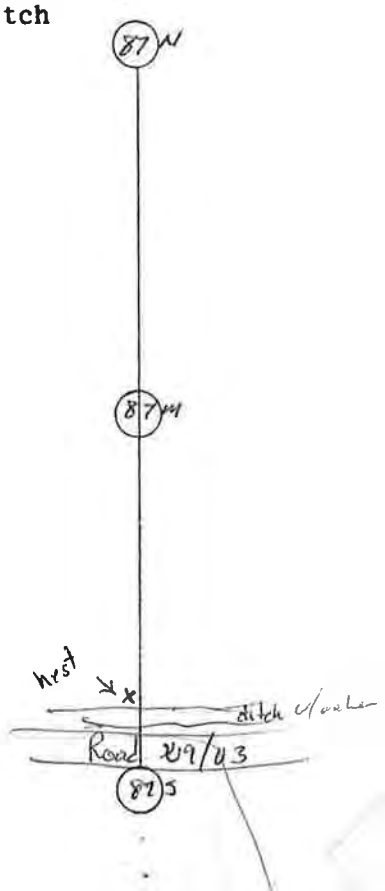
S

Location Sketch



Notes West at beginning of transect

Unit # 3
Transect # 87
Nest # 222 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
1 ft 5 in
- [ ] East
- [x] West

of Transect line

Grazing Cell # ___
Paddock # ___

Compute Mayfield

	Species AOU	5/1	Initiation date
10	# eggs hatched	6/4	Est. hatch date
0	# eggs remain	.	Exposure days
19	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/21/93 Unit # 3 Transect # 105 S/2

FIRST VISIT

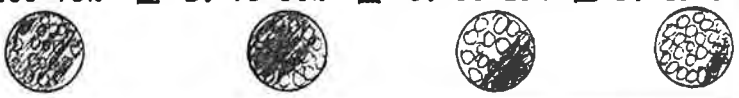
Species Cadwall
Nest # 237
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
20 Inc. stage
— # parasitic eggs

Dist. to standing H_2O 300 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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

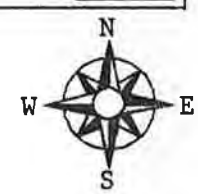


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [ ] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [x] Other whitetop w/ some baltic rush

SECOND VISIT-Fate

Date 8/13/93

(check one)
- [x] Hatch
  - 6 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other



Notes Nest is not in grazing cell and is located approx 25 yds N. of S105 marker in whitetop

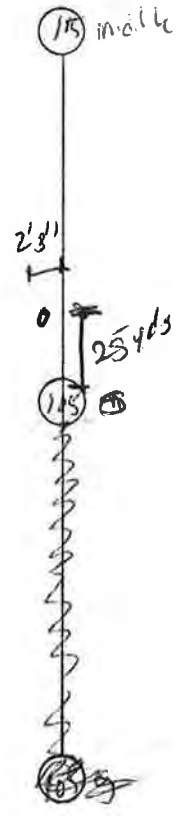
Flag 25' north

lots of down in nest

Location Sketch

Unit # 3
Transect # 105 S/2
Nest # 237 is located
25 ft 0 in [ ] North [x] South
of flag and
2 ft 3 in [ ] East [x] West
of Transect line

Grazing Cell #
Paddock #



7/30

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer K. Garcia Date 6/22/93 Unit # 3 Transect # 99 S/2

FIRST VISIT

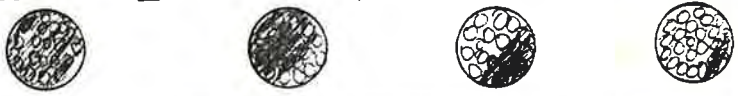
Species Mallard
Nest # 241
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
20 Inc. stage
— # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] 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
- [x] Other whitetop

SECOND VISIT-Fate

Date 8/3/93

(check one)
- [x] Hatch
  - All # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other

N
W E
S

Notes
Flag 6" directly E of Ant Hill

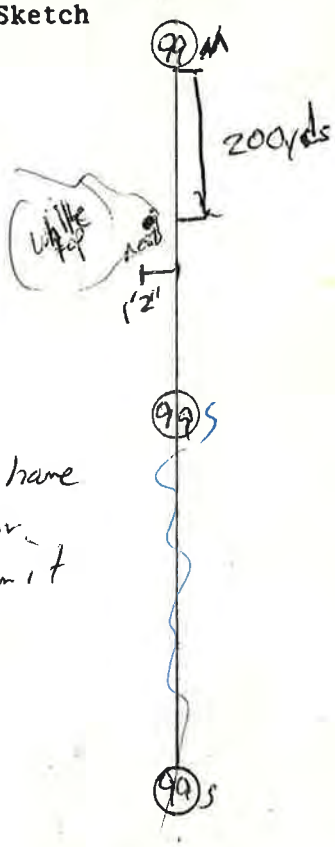
Location Sketch

Unit # 3
Transect # T99 S/2
Nest # 241 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
1 ft 2 in
- [x] East
- [ ] West

of Transect line

Grazing Cell # Brown
Paddock # 10



* Water to deep cattle have not been here or it is a rested unit

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Gavin Date 6/28/93 Unit # 3 Transect # 103 N/2

FIRST VISIT

Species Coot
Nest # 239
Status (check one)
- [x] ~~Active~~
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

8 # eggs
2 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] ~~Flooded~~

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



COVER TYPE
(circle dominant cover)
- [ ] 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
- [x] ~~Sva~~ Bullrush
- [ ] Other ___

SECOND VISIT-Fate

Date 8 13 93

(check one)
- [x] ~~Hatch~~
  - All # egg hatch
  - ~~All~~ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___

N
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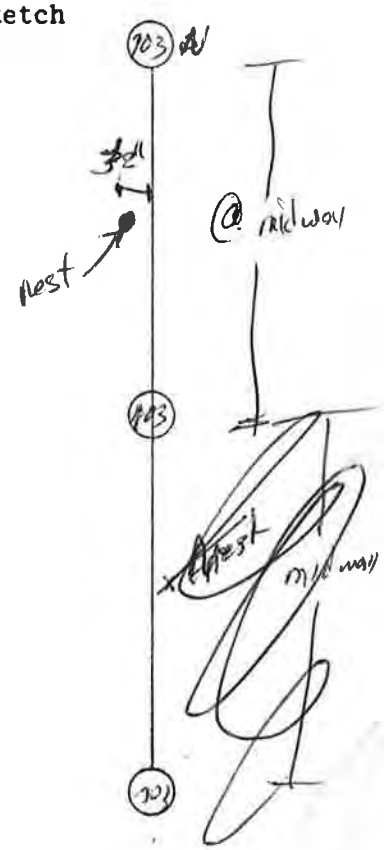
Location Sketch



Notes
Nest is in paddock #13 approx 35 yds S. of 13/14 Electric Fence

Flag 25' N

* 8/13/93 - Nest was successfully hatched but young were dead in and around nest.

Unit # 3
Transect # 103 N/2
Nest # 239 is located
25 ft 0 in
- [ ] North
- [x] ~~South~~

of flag and
3 ft 2 in
- [ ] East
- [x] ~~West~~

of Transect line
Grazing Cell # Brown
Paddock # 13

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/23/93 Unit # 3 Transect # T93 N/2

FIRST VISIT

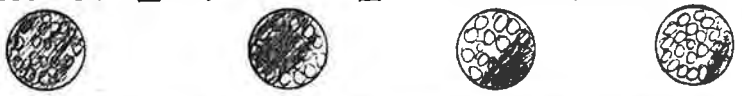
Species Coot
Nest # 250
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
Pippus Inc. stage
— # parasitic eggs

Dist. to standing H_2O —ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



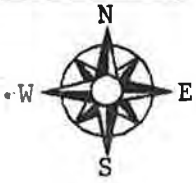
COVER TYPE
(circle dominant cover)

[ ]	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
[x]	Other	Whitetop

SECOND VISIT-Fate

Date 8/3/93

(check one)
- [x] Hatch
  - ~~All~~ # egg hatch
  - # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ____



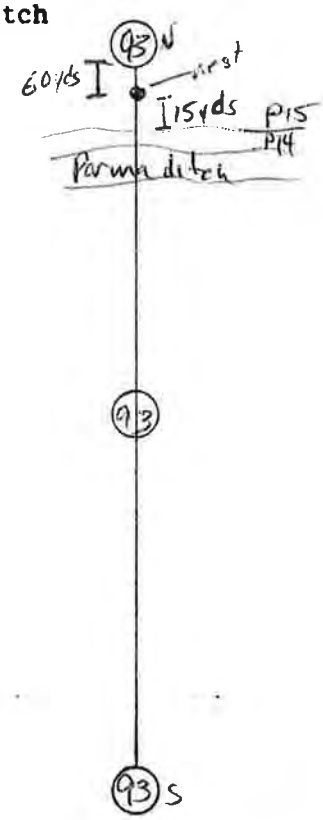
Notes

Unit # 3
Transect # T93 N/2
Nest # 250 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
0 ft 0 in
- [x] East
- [ ] West

of Transect line
Grazing Cell # Brain
Paddock # 15

Location Sketch



Compute Mayfield

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

FIELD FORM

Waterfowl Production Survey

Observer R. Garcia Date 6/23/93 Unit # 3 Transect # 89 S/2

FIRST VISIT

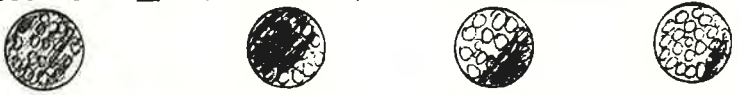
Species Mallard
Nest # 255
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
12 Inc. stage
— # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

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

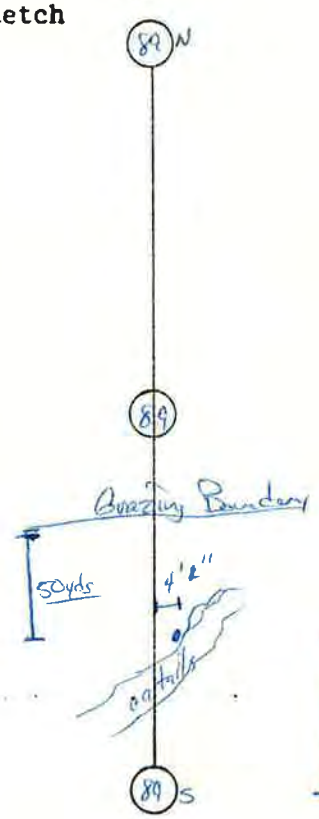
SECOND VISIT-Fate

Date 8/3/93

(check one)
- [x] Hatch
  - 7+ # egg hatch
  - 1 # egg remain
- [x] Abandoned
- [x] Flooded
- [x] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____

N
W E
S

Location Sketch



Notes
Nest is at N.W. edge of cattails. just as you exit the 1st bunch of Cattails on the transect from the South.

* Nest Not flagged water is @ 2' deep

There is a hubbar on cattails (edge) @ 6' South of Nest

- The grazing boundary is @ 50yds N.

* Sedge growth here is up to 5.5' tall.

Unit # 3
Transect # 89 S/2
Nest # 255 is located
25ft 0 in
- [ ] North
- [x] South

of flag and
4ft 1 in
- [x] 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		

FIELD FORM
Waterfowl Production Survey

Observer R. Correia Date 6/23/93 Unit # 3 Transect # 89 1/2

FIRST VISIT

Species Mallard
Nest # 256
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
– Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 3 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [x] Other SBA/old greasewood

SECOND VISIT-Fate

Date 8/3/93

(check one)

- [x] Hatch
  - 7 # egg hatch
  - 0 # egg remain
- [x] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [x] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [x] Unknown
  - [ ] Other ____



Notes

Nest is @ 100yds S. of Mid 89 Marker and 20 yds south of paddock 1 1/2 fence

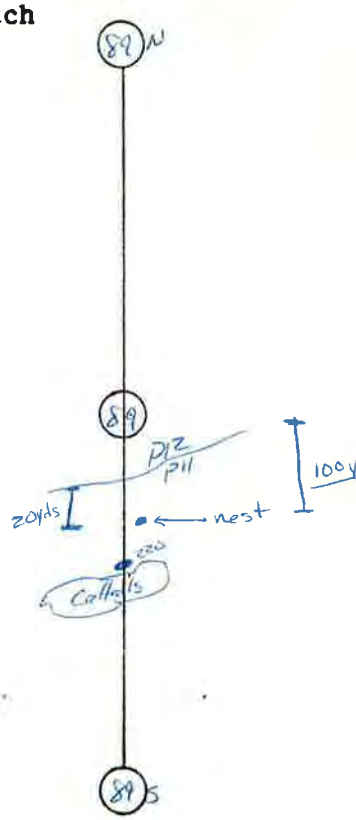
Location Sketch

Unit # 3
Transect # 89 1/2
Nest # 256 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
7 ft 4 in
- [x] East
- [ ] West

of Transect line

Grazing Cell # ____
Paddock # ____



Hatch 7/28

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R Cravens Date 6/24/93 Unit # 3 Transect # 85 N/2

FIRST VISIT

Species Brnt/Cinn
Nest # 262
Status (check one)
- ☐ Active
- ☐ Hatched
- ☐ Abandoned
- ☑ Destroyed

6 # eggs
/ Inc. stage
/ # parasitic eggs

Dist. to standing H_2O 2 ft

Soil Surface (check one)
- ☐ Dry
- ☑ Moist
- ☐ Flooded

COVER TYPE
(circle dominant cover)

☐	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	

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





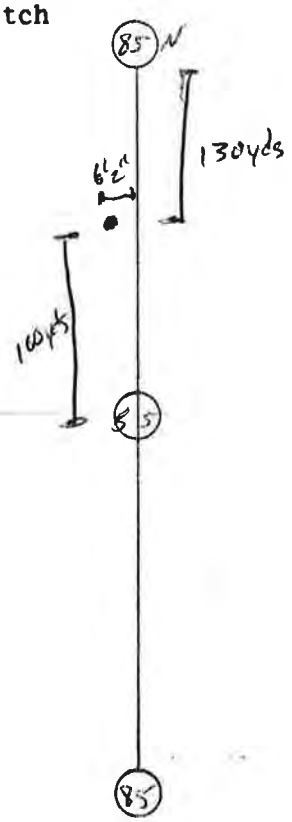

SECOND VISIT-Fate

Date 6/24/93

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



Location Sketch



Notes

Unit # 3
Transect # 85 N/2
Nest # 262 is located
25 ft in ☐ North ☑ South
of flag and
6 ft 2 in ☐ East ☑ West
of Transect line
Grazing Cell # Brun
Paddock # 13

7/28

Compute Mayfield

___ Species AOU ___ Initiation date
___ # eggs hatched ___ Est. hatch date

FIELD FORM
Waterfowl Production Survey

Observer Carrie Date 6/24/93 Unit # 3 Transect # U85½

FIRST VISIT

Species Mallard
Nest # 261
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

4 # eggs
21 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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






COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/13/93

(check one)
- [x] Hatch
  - 4 # egg hatch
  - 6 # egg remain
- [x] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [x] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Location Sketch



Notes _____

Unit # 3
Transect # 85½
Nest # 261 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
2 ft 4 in
- [ ] East
- [x] West

of Transect line

Grazing Cell # 2
Paddock # _____

Compute Mayfield
___ Species AOU ___ Initiation date
___ # eggs hatched ___ Est. hatch date

7/4

Waterfowl Production Survey

Units 4-8

FIELD FORM
Waterfowl Production Survey

Observer RWS Date 6/12/93 Unit # 4 Transect # [redacted] 115

FIRST VISIT

Species Mal
Nest # 302
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
Lay Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 10 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/5/93

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



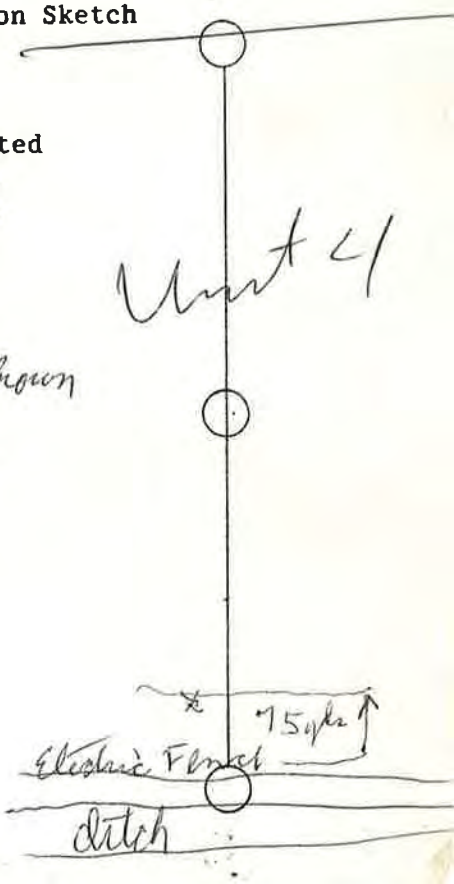
Notes
Good residual cover (Cattle haven't been here yet)

Location Sketch

Unit # 4
Transect # 115
Nest # 302 is located
25 ft in
- [x] North
- [ ] South

of flag and
4 ft / in
- [ ] East
- [x] West

of Transect line
Grazing Cell # 6 dry/Brown
Paddock # 7



RHD 7/26

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer Brock Date 5/18/93 Unit # 6 Transect # 31

FIRST VISIT

Species Teal ?
Nest # 400
Status (check one)
- ☐ Active
- ☐ Hatched
- ☒ Abandoned
- ☐ Destroyed flooded (6)

4 # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft Flooded

Soil Surface (check one)
- ☐ Dry
- ☐ Moist
- ☒ Flooded

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






COVER TYPE
(circle dominant cover)

☐	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	_____

SECOND VISIT-Fate

Date 5/18/93

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



Location Sketch



Notes
Flooded out on center line

Unit # ___
Transect # ___
Nest # 400 is located
25 ft in ☐ North ☐ South
of flag and
ft in ☐ East ☐ West
of Transect line Hayden
Grazing Cell # ~~Cooley~~
Paddock # 2

Nest Not Marked w/ flag

Compute Mayfield

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

400 Flooded

FIELD FORM
Waterfowl Production Survey

Observer Brock Date 5/18/93 Unit # 6 Transect # 35

FIRST VISIT

Species Mallard
Nest # 401
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

3 # eggs
Fresh Inc. stage laying
___ # parasitic eggs

Dist. to standing H_2O 300 ft

Soil Surface (check one)
- [x] Dry
- [ ] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6/21/93

(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [x] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [x] Coyote — All eggs & shells gone
  - [ ] Unknown
  - [ ] Other ___

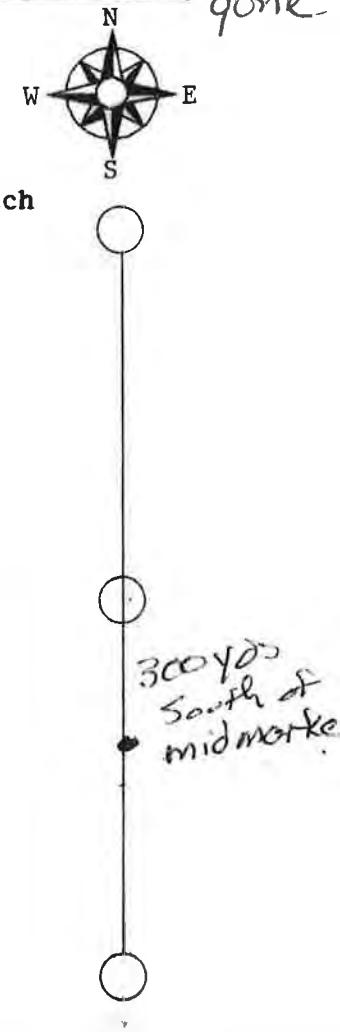
Notes 3 eggs / No down
Nest located 25' S of flag
8' East
300 yds South of mid marker

Unit # 6
Transect # 35
Nest # 401 is located
25 ft in
- [ ] North
- [x] South

of flag and
8 ft 0 in
- [x] East
- [ ] West

of Transect line
Grazing Cell # Haugen
Paddock # 3

Location Sketch



Compute Mayfield

___	Species AOU	5/15	Initiation date
8	# eggs hatched	6/13	Est. hatch date
0	# eggs remain	___	Exposure days
3	age when found		

Nest # 401 Transect 35

Waterfowl Production Survey

Observer Brock Date 6/21/93 Unit # 6 Transect # 43

FIRST VISIT

Species ~~Redhead~~ Ruddy — big white eggs no bird seen
Nest # 410
Status (check one)
- [X] Active ? eggs cool No down
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
? Inc. stage — Egg shells too thick to candle
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [X] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/3/93

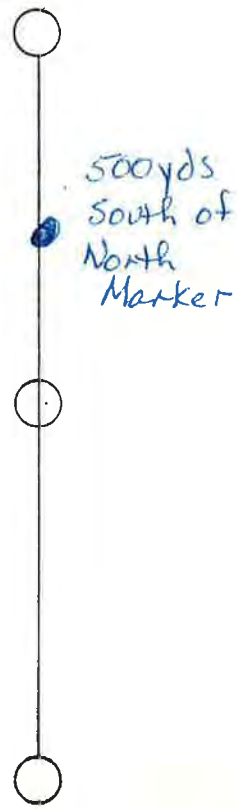
(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [X] Destroyed
  - [X] Raven/magpie ?
  - [X] Skunk ?
  - [X] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes 8/3 - Nest torn apart, Eggs broken & scattered Around. Nest unsuccessful May be close to Abandonment?

Unit # 6
Transect # 43
Nest # 410 is located
25 ft in [ ] North [X] South of flag and
8 ft 2 in [ ] East [X] West of Transect line
Grazing Cell # Haugen B
Paddock # 7

Location Sketch



PHD 7/26

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer Brock Date 6/21/93 Unit # 6 Transect # 29

FIRST VISIT

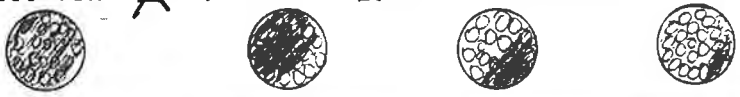
Species Gad
Nest # 407
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
17 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 600 ft

Soil Surface (check one)
- [x] Dry
- [ ] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other ___

SECOND VISIT-Fate

Date 8/3/93

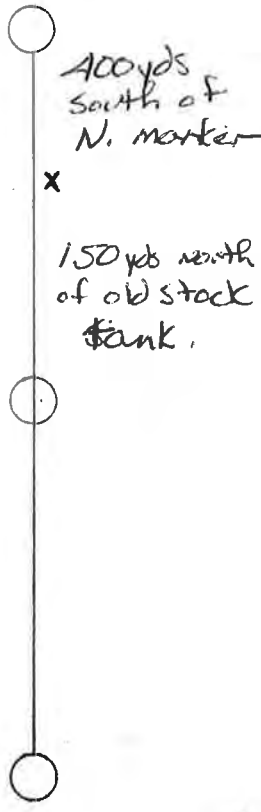
(check one)
- [x] Hatch
  - 7 # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [x] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___

N
W E
S

Notes 8/3 All membranes w/in bowl — nest successful

Location Sketch

Unit # 6
Transect # 29
Nest # 407 is located
25 ft in ☒ North ☐ South
of flag and
4 ft 6 in ☑ East ☐ West
of Transect line
Grazing Cell # Haugen #2
Paddock # 1



PHD 7/2

#407

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer Brock Date 6/21/93 Unit # 6 Transect # 39

FIRST VISIT

Species Gad ?
Nest # 409
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
8 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 20ft

Soil Surface (check one)
- [x] Dry
- [ ] Moist
- [ ] Flooded

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



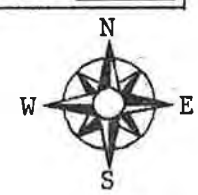
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/3/93

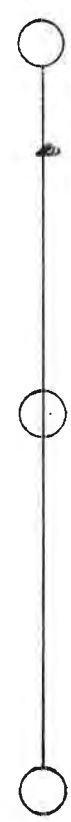
(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [x] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [x] Unknown
  - [ ] Other ___



Notes 8/3 — No Eggshells, membranes, or any other indications that nest was successful — Dowel torn apart, nest unsuccessful

Location Sketch

Unit # 6
Transect # 39
Nest # 409 is located
25 ft in [x] North [x] South
of flag and
0 ft in [ ] East [ ] West
of Transect line
Grazing Cell # Haugen B
Paddock # 5



200 yds South on N. Marker

PHP 79

Compute Mayfield

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

409

FIELD FORM
Waterfowl Production Survey

Observer Brock Date 6/21/93 Unit # 6 Transect # 33

FIRST VISIT

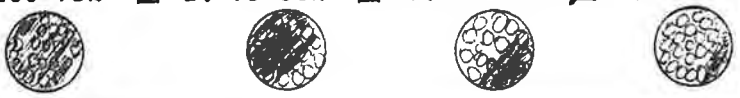
Species Pintail
Nest # 408
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

4 # eggs
12 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



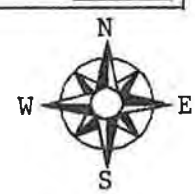
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/3/93

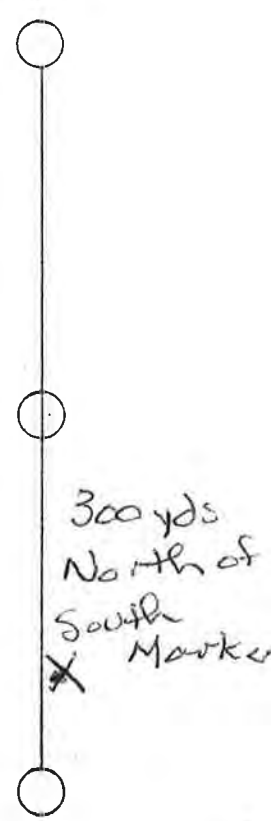
(check one)
- [ ] ~~Hatch~~
  - ___ ~~# egg hatch~~
  - ___ ~~# egg remain~~
- [ ] ~~Abandoned~~
- [x] Flooded ? (Possibly)
- [x] Destroyed ? (both ?)
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___



Notes 8/2 nest looks as though it was destroyed. There is nothing to indicate that it was successful. Could have been flooded, then predated, or trampled by cattle — presumed unsuccessful but unsure of the cause

Location Sketch

Unit # 6
Transect # 33
Nest # 408 is located
25 ft in [x] North [ ] South
of flag and
8 ft 0 in [x] East [ ] West
of Transect line
Grazing Cell # Haugen B
Paddock # 3



PHD 7/7

Compute Mayfield

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

408

FIELD FORM
Waterfowl Production Survey

Observer Brock Date 5/18/93 Unit # 7 Transect # 49

FIRST VISIT

Species GWT
Nest # 402
Status (check one)
- [X] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
Fresh Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 300 ft

Soil Surface (check one)
- [X] Dry
- [ ] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

- [ ] Sx Willow
- [X] 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 ___

SECOND VISIT-Fate

Date 6/22/93

(check one) Hatched
- [X] Hatch
  - 6 # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___

Notes
When flag is located back site to get on line

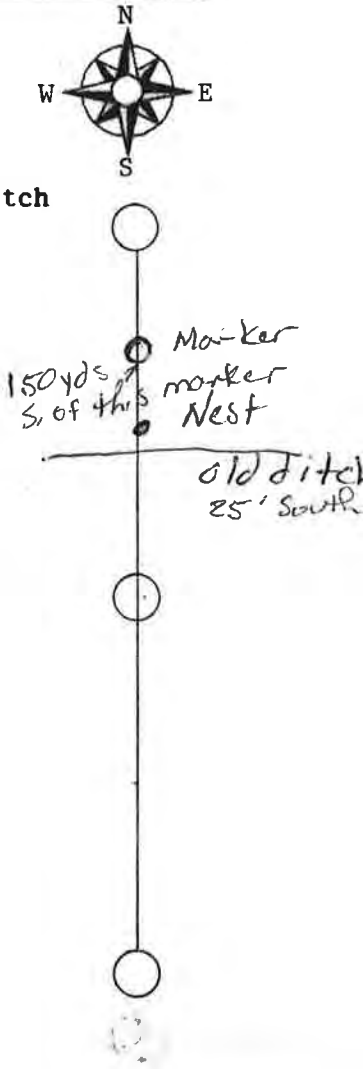
Unit # 7
Transect # 49
Nest # 402 is located
25 ft in
- [X] North
- [ ] South

of flag and
5 ft 0 in
- [X] East
- [ ] West

of Transect line

Grazing Cell # Cooley
Paddock # 11

Location Sketch



Compute Mayfield

___	Species AOU	5/12	Initiation date
6	# eggs hatched	6/11	Est. hatch date
0	# eggs remain	___	Exposure days
6	age when found		

#402

FIELD FORM
Waterfowl Production Survey

Observer Brock Date 5/19/93 Unit # 7 Transect # 53

FIRST VISIT

Species BWT
Nest # 403
Status (check one)
- [X] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

10 # eggs
4 Inc. stage (4)
0 # parasitic eggs

Dist. to standing H_2O 1 ft

Soil Surface (check one)
- [ ] Dry
- [X] Moist
- [ ] Flooded

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






COVER TYPE (circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [ ] Jba Baltic rush
- [X] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

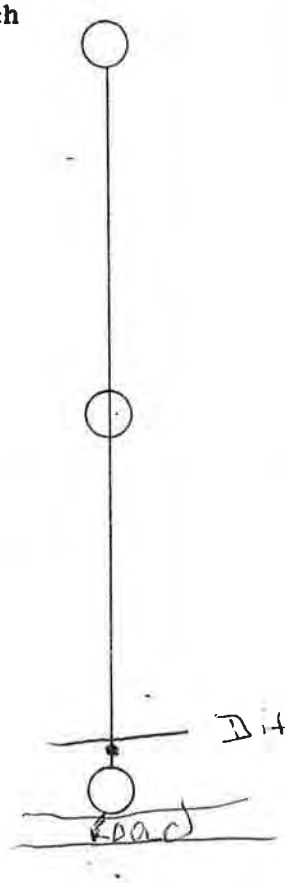
Date 6/22/93

(check one) Destroyed

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

N
W E
S

Location Sketch



Notes
Nest located on south edge of ditch 30 ft N of South marker

Unit # 7
Transect # 53
Nest # 403 is located
25 ft in [X] North [ ] South
of flag and
5 ft 0 in [X] East [ ] West
of Transect line
Grazing Cell # Cooley
Paddock # 4

Nest #403

Compute Mayfield

___	Species AOU	5/5	Initiation date
0	# eggs hatched	6/6	Est. hatch date
0	# eggs remain	.	Exposure days
14	age when found		

Waterfowl Production Survey

Observer R. Garcia Date 5/22/93 Unit # 7 Transect # 69

FIRST VISIT

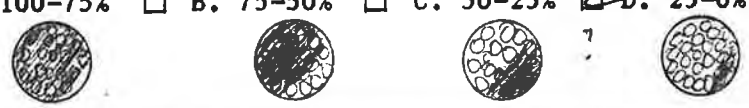
Species Mallard
Nest # 225
Status (check one)
- [ ] Active
- [ ] Hatched
- [ ] Abandoned
- [x] Destroyed

- # eggs
- Inc. stage lots of down
- # parasitic eggs

Dist. to standing H_2O 30ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



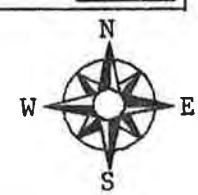
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

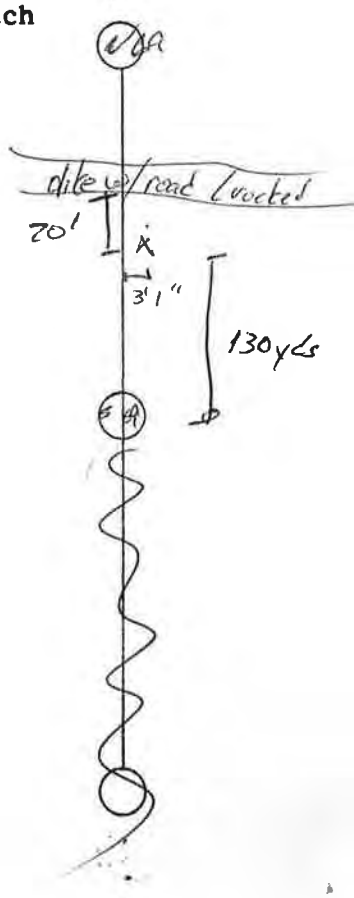
Date 5/22/93

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



Notes Ribbon mixed in Bowl

Location Sketch



Unit # 7
Transect # 69
Nest # 225 is located
25ft in [ ] North [ ] South
of flag and
3 ft 1 in [x] East [ ] West
of Transect line
Grazing Cell # Cooley B
Paddock # 9

Compute Mayfield

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

Waterfowl Production Survey

Observer R Garcia Date 5/22/93 Unit # 7 Transect # 71

FIRST VISIT

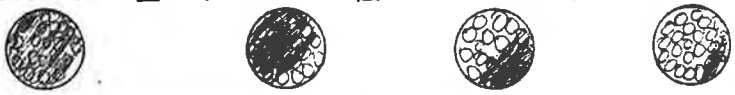
Species Coot
Nest # 228
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

1 # eggs
? Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

- [ ] 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
- [x] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other ___

SECOND VISIT-Fate

Date 6 22 93 / /

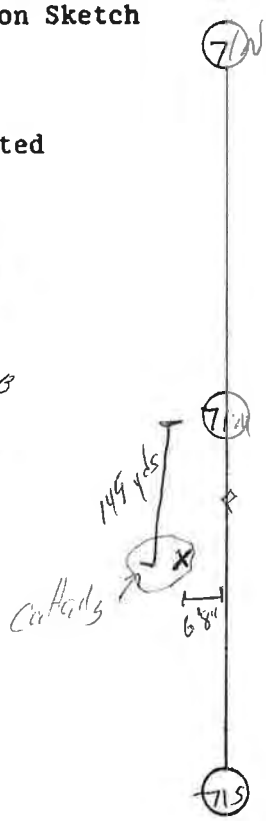
(check one)
- [x] Hatch ? # egg hatch — small shell pieces
- [ ] ___ # egg remain — guess 2 eggs
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___



Notes
Nest in very light cattail stand 1st you come to on transect

Location Sketch

Unit # 7
Transect # 71
Nest # 228 is located
25 ft 0 in [ ] North [x] South
of flag and
6 ft 8 in [ ] East [x] West
of Transect line
Grazing Cell # Cooley B
Paddock # 7



Compute Mayfield

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

Waterfowl Production Survey

Observer R. Garcia Date 5/22/93 Unit # 8 Transect # 77 N/2

FIRST VISIT

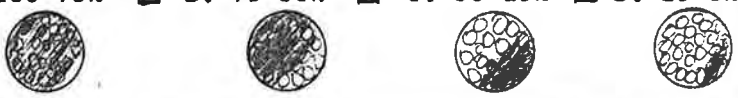
Species Gadwall
Nest # 230
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
Fresh Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 200 ft

Soil Surface (check one)
- [x] Dry
- [ ] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [2nd] Other whitetop interspersed 4"/in

SECOND VISIT-Fate

Date 6/24/93

(check one)

- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [x] Destroyed
  - [x] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [x] Other (Sheep)

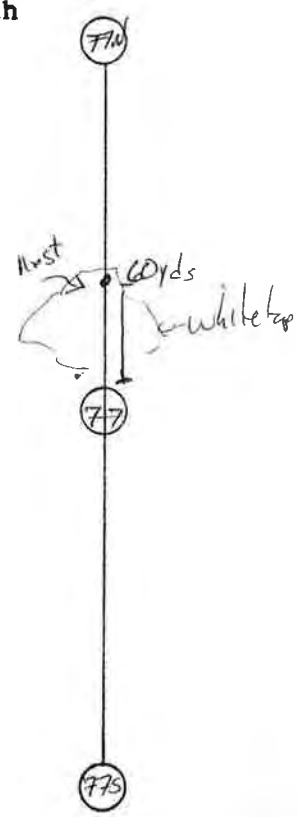
N / W E / S

Notes

Unit # 8
Transect # 77
Nest # 230 is located
25 ft 0 in [ ] North [x] South
of flag and
0 ft 0 in [ ] East [ ] West
of Transect line
Grazing Cell # ___
Paddock # ___

Although this is not in a paddock, escape sheep (almost all) are within 100yds.

Location Sketch



Compute Mayfield

___	Species AOU	5/15	Initiation date
0	# eggs hatched	6/16	Est. hatch date
0	# eggs remain	.	Exposure days
7	age when found		

Waterfowl Production Survey

Observer K Coates Date 5/22/93 Unit # 8 Transect # 73

FIRST VISIT

Species Goose
Nest # 229
Status (check one)
- ☐ Active
- ☑ Hatched
- ☐ Abandoned
- ☐ Destroyed

5+ # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 4 ft

Soil Surface (check one)
- ☐ Dry
- ☑ Moist
- ☐ Flooded

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



COVER TYPE
(circle dominant cover)

- ☐ 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 ___

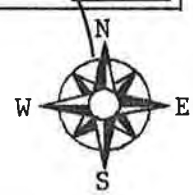
SECOND VISIT-Fate

Date 5/22/93

(check one)
- ☑ Hatch
  - 5+ # egg hatch
  - 6 # egg remain
- ☑ Abandoned
- ☐ Flooded
- ☐ Destroyed
  - ☐ Raven/magpie
  - ☐ Skunk
  - ☑ Raccoon
  - ☐ Coyote
  - ☐ Unknown
  - ☐ Other ___

Notes Ribbon in Bed

Location Sketch



Unit # 8
Transect # 73
Nest # 229 is located
25 ft in ☑ North ☐ South
of flag and
6 ft 5 in ☑ East ☐ West
of Transect line
Grazing Cell # Schmidt
Paddock # ?



Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Coarie Date 6/24/93 Unit # 8 Transect # 77 N/2

FIRST VISIT

Species Mallard
Nest # 264
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

8 # eggs
12 Inc. stage
__ # parasitic eggs

Dist. to standing H_2O 1 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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






COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other ____

SECOND VISIT-Fate

Date 8/4/93

(check one)
- [x] Hatch
  - 8 # egg hatch
  - __ # egg remain
- [x] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [x] Unknown
  - [ ] Other ____



Notes 8/2 detached membranes in bowl - nest successful

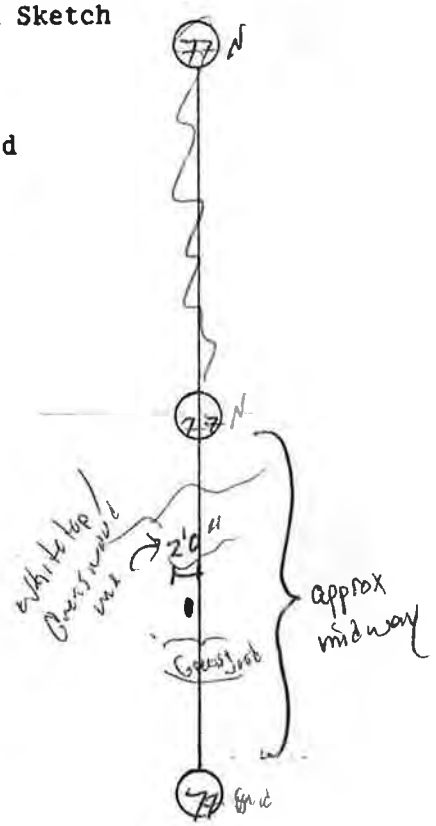
Location Sketch

Unit # 8
Transect # 77 N/2
Nest # 264 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
2 ft 0 in
- [ ] East
- [x] West

of Transect line

Grazing Cell # ____
Paddock # SHEEP



Compute Mayfield

___	Species AOU	___	Initiation date
___	# eggs hatched	___	Est. hatch date

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/24/93 Unit # 8 Transect # T75 5/2

FIRST VISIT

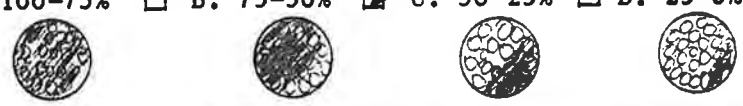
Species Gadwall
Nest # 266
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

3 # eggs
lamp Fresh Inc. stage
— # parasitic eggs

Dist. to standing H_2O 3 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

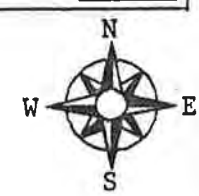
Aerial Cover (check one)
- [ ] A. 100-75%
- [ ] B. 75-50%
- [x] C. 50-25%
- [ ] D. 25-0%



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 8/4/93
(check one)
- [x] Hatch
  3? # egg hatch
  — # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



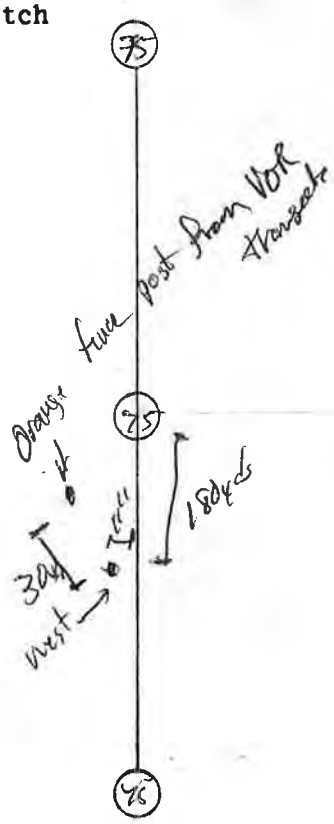
Notes Nest is at N. edge of Baltic Rush growth

8/2 Same as nest # 268 — this area was mowed recently and the nest was run over — membranes present, however, and nest presumed successful

Location Sketch

Unit # 8
Transect # 75 5/2
Nest # 266 is located
25 ft 0 in [ ] North [x] South
of flag and
0 ft 11 in [ ] East [x] West
of Transect line
Grazing Cell # Sheep
Paddock # _____

* area very impacted by Sheep !!



7/26

Compute Mayfield
- ___ Species AOU
- ___ # eggs hatched
- ___ Initiation date
- ___ Est. hatch date

FIELD FORM
Waterfowl Production Survey

Observer R Garcia Date 6/24/93 Unit # 8 Transect # 73 8/2

FIRST VISIT

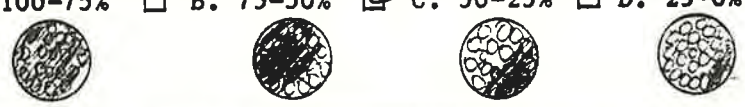
Species Gadwall
Nest # 268
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

3 # eggs
layin Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other ___

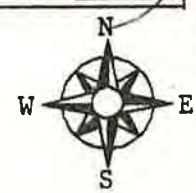
SECOND VISIT-Fate

Date 8/4/93

~~(check one)~~
- [x] Hatch?
  3 # egg hatch
  ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___

Area Mowed - unable to locate nest

nest located see notes



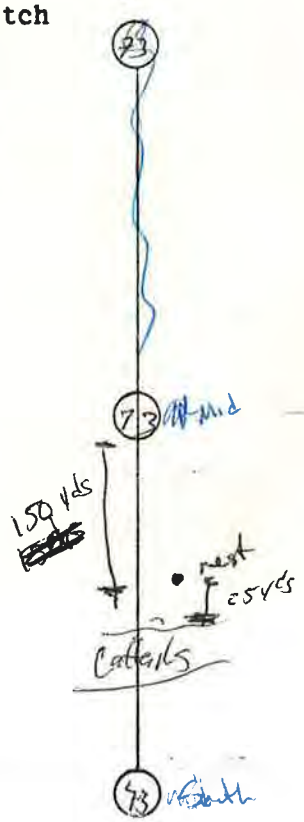
Notes
* No hen but eggs warm

Nest on @ 4'x4' baltic Island

8/2 - Nest located, this Area has been Recently Mowed, And nest was Run over by the tractor Membranes were present, however, And nest is presumed successful

Location Sketch

Unit # 8
Transect # 73 8/2
Nest # 268 is located
25 ft 0 in [ ] North [x] South
of flag and
6 ft 0 in [x] East [ ] West
of Transect line
Grazing Cell # Sheep
Paddock # ___



7/26

Compute Mayfield
___ Species AOU ___ Initiation date
___ # eggs hatched ___ Est. hatch date

FIELD FORM
Waterfowl Production Survey

Observer R. Gevese Date 6/24/92 Unit # 8 Transect # 73

Assigned Nest #271 bcs 269 already used apul 03 KL

FIRST VISIT

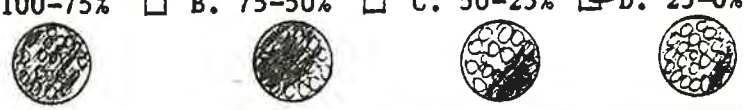
Species Gadwall
Nest # ~~269~~ 271
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

5 # eggs
12 days Inc. stage
— # parasitic eggs

Dist. to standing H_2O — ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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

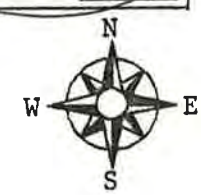


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 8/4/93

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



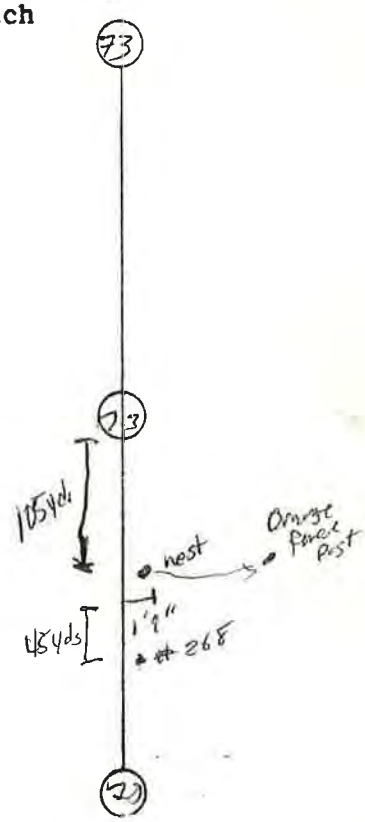
Notes
Directly E of Orange VOR Post

* No Hen but eggs extremely warm, may be too hot bb!

8/2 All eggs in nest with large hole pecked in side of each

Location Sketch

Unit # 8
Transect # 73 S/2
Nest # 269 is located
25 ft 0 in [ ] North [x] South
of flag and
1 ft 9 in [x] East [ ] West
of Transect line
Grazing Cell # Sheep
Paddock # _____



7/11

Compute Mayfield
___ Species AOU ___ Initiation date
___ # eggs hatched ___ Est. hatch date

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/24/93 Unit # 8 Transect # 75 1/2

changed Nest # to 272 bcs 267 already used. apul 03 KS

FIRST VISIT

Species Brt/Cnv
Nest # ~~267~~ 272
Status (check one)
- ☐ Active
- ☐ Hatched
- ☐ Abandoned
- ☒ ~~Dest~~royed

4+ # eggs
I Inc. stage
___ # parasitic eggs

Dist. to standing H_2O ~~>~~ ft

Soil Surface (check one)
- ☐ Dry
- ☑ ~~Moist~~
- ☐ Flooded

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






COVER TYPE
(circle dominant cover)
- ☐ 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 ___

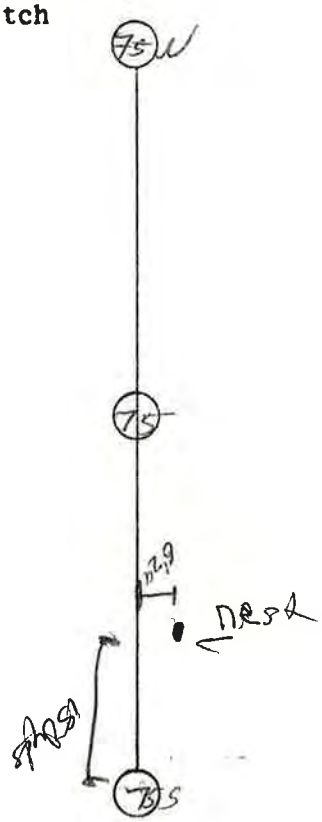
SECOND VISIT-Fate

Date 6/24/93

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



Location Sketch



Notes ___

Unit # 8
Transect # 75 1/2
Nest # 267 is located
~~25 ft in~~ ☐ ~~North~~ ☐ South
of flag and
6 ft 3 in ☑ ~~East~~ ☐ West
of Transect line
Grazing Cell # Sheep
Paddock # ___

Compute Mayfield
___ Species AOU ___ Initiation date
___ # eggs hatched ___ Est. hatch date

Waterfowl Production Survey

Unit 9

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/18/93 Unit # 9 Transect # 101

FIRST VISIT

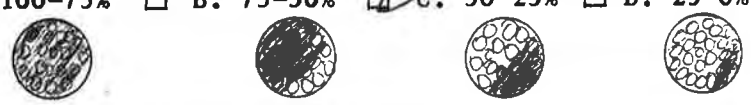
Species 3 Mallard
Nest # 208
Status (check one)
- [ ] Active
- [ ] Hatched
- [ ] Abandoned
- [x] Destroyed

? # eggs
1 Inc. stage
1 # parasitic eggs

Dist. to standing H_2O 6"

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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

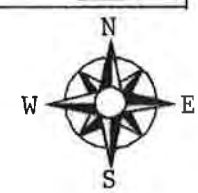


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 5/18/93

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



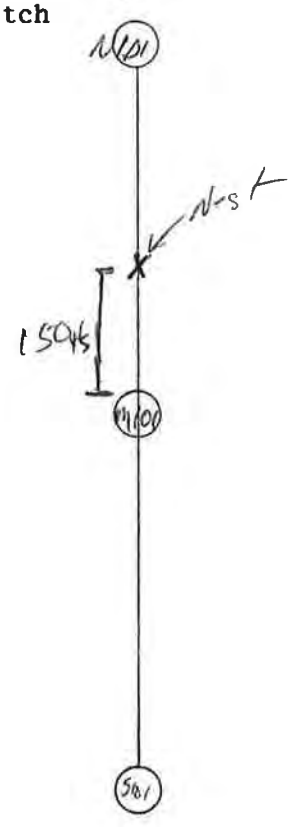
Notes
Nest is on Centerline
Mixed in Ribbon w/ down and remains of Bowl so it will be identifiable during June Walk
little residual mostly New growth

Location Sketch

Unit # 9
Transect # 101
Nest # 208 is located
25 ft in
- [ ] North
- [ ] South

of flag and
0 ft 0 in
- [x] 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		

6/22/93
Still active
Recheck in July

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/18/93 Unit # 9 Transect # 99

FIRST VISIT

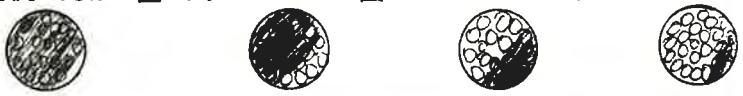
Species Stilt
Nest # 209
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

1 # eggs
laying Inc. stage
— # parasitic eggs

Dist. to standing H_2O 2-ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6/12/93

(check one)

- [x] Hatch
  - 11 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____

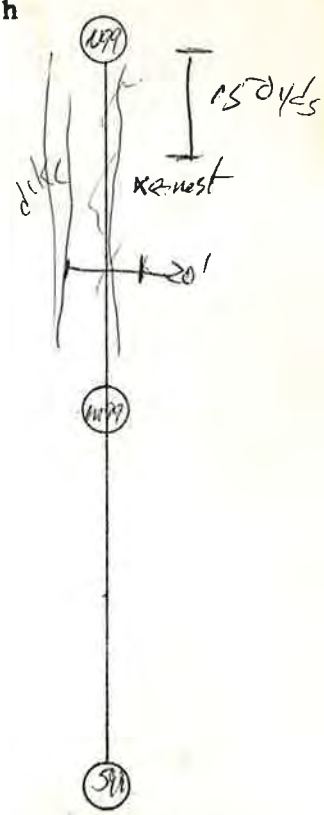


Notes Nest is @ 20' E of dike at about 150yds S. of N99 Mkr
Flag 25' N

6/22/93 - Nest Still Active
New 1 egg at 18 days
Recheck in July
Flag left

Location Sketch

Unit # 9
Transect # 99 (99)
Nest # 209 is located
25ft in [ ] North [x] South
of flag and
8ft 0in [x] East [ ] West
of Transect line
Grazing Cell # X
Paddock # X



Compute Mayfield

___	Species AOU	5/7	Initiation date
11	# eggs hatched	6/21	Est. hatch date
0	# eggs remain	___	Exposure days
1	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/18/93 Unit # 9 Transect # 97

FIRST VISIT

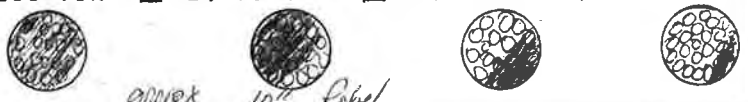
Species Mallard
Nest # [redacted] 210
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
20 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 1 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 6/22/93

(check one)
- [x] Hatch
  - 9 # egg hatch
  - — # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____

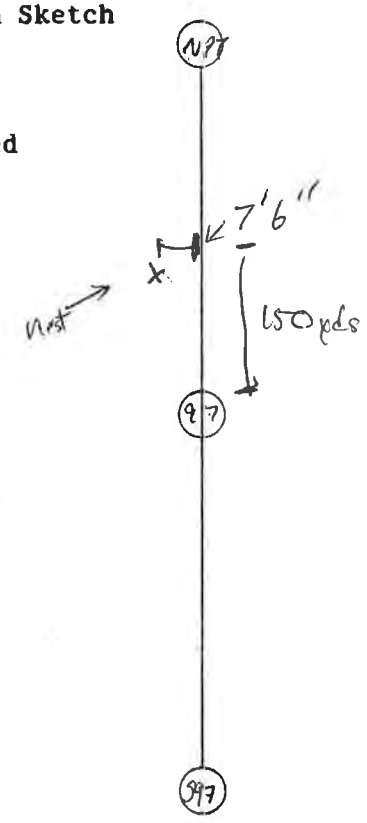


Notes
Nest in flooded meadow approx 20 yds from gravel access Mallard nest (off Trans)

Location Sketch

Unit # 9
Transect # 97
Nest # 210 is located
25ft in [ ] North [x] South
of flag and
7ft 6in [ ] East [x] West
of Transect line

Grazing Cell # 1
Paddock # ~~1~~



Compute Mayfield

___	Species AOU	4/19	Initiation date
9	# eggs hatched	5/22	Est. hatch date
0	# eggs remain	.	Exposure days
29	age when found		

Waterfowl Production Survey

Observer R. Coeria Date 5/19/92 Unit # 9 Transect # 93 N½

FIRST VISIT

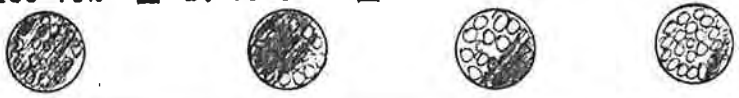
Species Mal
Nest # 212
Status (check one)
- ☐ Active
- ☑ Hatched
- ☐ Abandoned
- ☐ Destroyed

6+ # eggs
— Inc. stage
— # parasitic eggs

Dist. to standing H_2O 1 ft

Soil Surface (check one)
- ☐ Dry
- ☑ Moist
- ☐ Flooded

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



COVER TYPE
(circle dominant cover)
- ☐ 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 _____

SECOND VISIT-Fate

Date 5/19/93

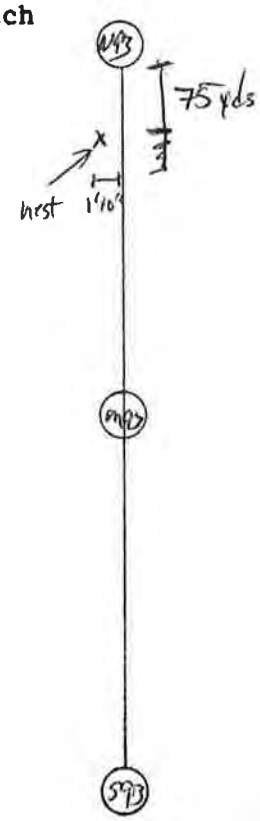
(check one)
- ☑ Hatch
  - 6+ # egg hatch
  - — # egg remain
- ☐ Abandoned
- ☐ Flooded
- ☐ Destroyed
  - ☐ Raven/magpie
  - ☐ Skunk
  - ☐ Raccoon
  - ☐ Coyote
  - ☐ Unknown
  - ☐ Other _____

N W E S

Notes Ribbon Marked w/bowl for identification on next visits

Unit # 9
Transect # 93
Nest # 212 is located
25 ft in ☐ North ☑ South
of flag and
1 ft 10 in ☐ East ☑ West
of Transect line
Grazing Cell # _____
Paddock # _____

Location Sketch



Compute Mayfield

—	Species AOU	5/13	Initiation date
6+	# eggs hatched	6/14	Est. hatch date
0	# eggs remain	.	Exposure days
6	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/19/97 Unit # 9 Transect # 93 W½

FIRST VISIT

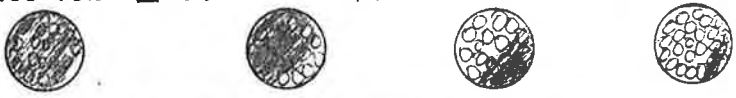
Species Mal
Nest # 1913
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

3 # eggs
layings Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 1 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6/23/97

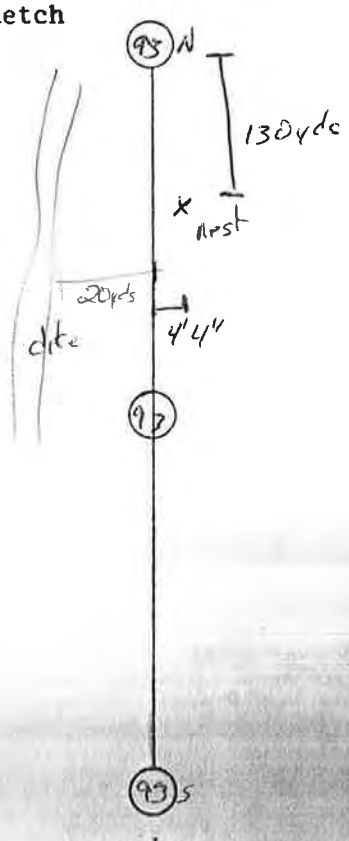
(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [x] Destroyed
  - [x] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes _____

Location Sketch

Unit # 9
Transect # 93
Nest # 213 is located
25ft in [ ] North [x] South
of flag and
4 ft 4 in [x] East [ ] West
of Transect line
Grazing Cell # ____
Paddock # ____



Compute Mayfield

___	Species AOU	5/16	Initiation date
0	# eggs hatched	6/14	Est. hatch date
0	# eggs remain	.	Exposure days
3	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/19/93 Unit # 9 Transect # 89

FIRST VISIT

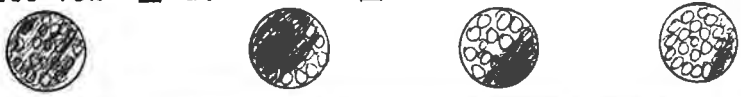
Species Mallard
Nest # 219
Status (check one)
- ☐ Active
- ☐ Hatched
- ☐ Abandoned
- ☑ ~~Destroyed~~

7 # eggs
— Inc. stage
— # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- ☐ Dry
- ☐ Moist
- ☑ Flooded

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



COVER TYPE
(circle dominant cover)
- ☐ 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 _____

SECOND VISIT-Fate

Date 5 19 93

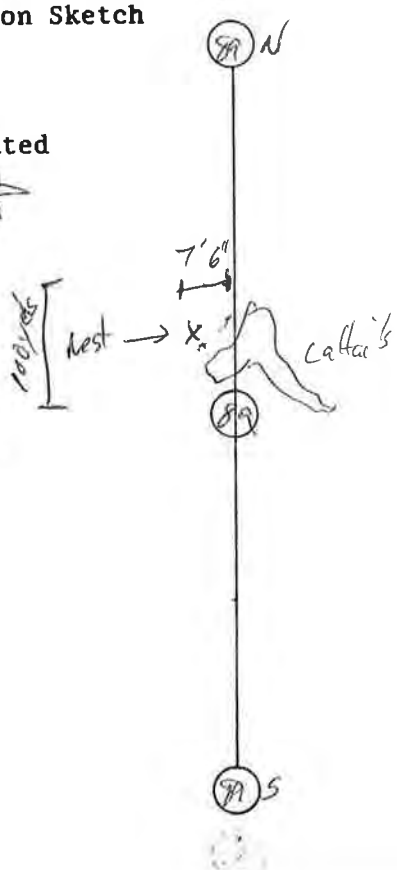
(check one)
- ☐ Hatch
  - ___ # egg hatch
  - ___ # egg remain
- ☐ Abandoned
- ☐ Flooded
- ☑ ~~Destroyed~~
  - ☑ ~~Raven/magpie~~
  - ☐ Skunk
  - ☐ Raccoon
  - ☐ Coyote
  - ☐ Unknown
  - ☐ Other _____



Notes Nest approx 100 yds
North of Mid Pt Alkali
Ribbon mixed in hay
eggs of Rales still a bird
(nest too old)

Location Sketch

Unit # 9
Transect # 89
Nest # ___ is located
25 ft in ☐ North ☐ South of flag and
7 ft 6 in ☐ East ☑ West of Transect line
Grazing Cell # ___
Paddock # ___



Compute Mayfield

	Species AOU	5/17	Initiation date
0	# eggs hatched	6/14	Est. hatch date
0	# eggs remain	___	Exposure days
7	age when found		

Waterfowl Production Survey

Observer R. Cesarea Date 5/19/93 Unit # 9 Transect # 95 N 1/2

FIRST VISIT

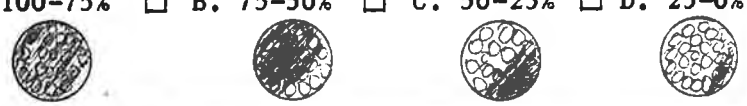
Species Mallard
Nest # 216
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

3 # eggs
Laying Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



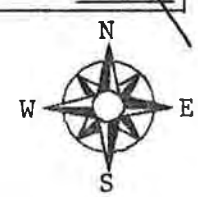
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6/23/93

(check one)
- [x] Hatch
  - 7 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___

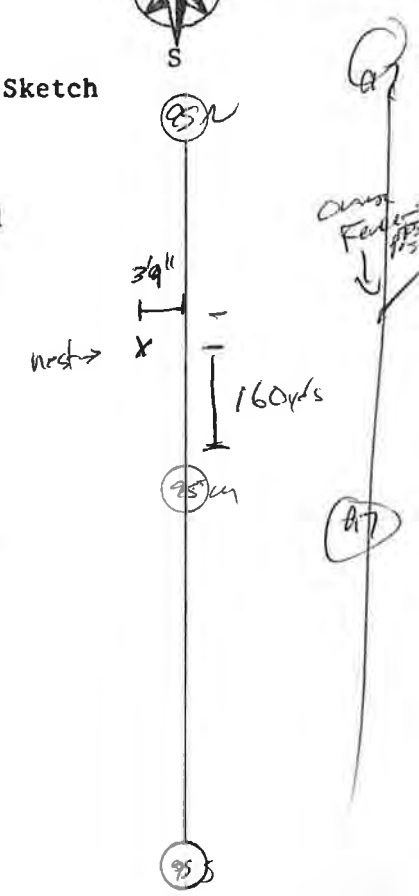


Notes approx 160 yds N. of mid 95 west
~~[illegible]~~ W of Orange post on dike near T97

Location Sketch

Unit # 9
Transect # 95 N 1/2
Nest # 216 is located
25 ft 0 in [x] North [ ] South
of flag and
3 ft 9 in [ ] East [x] West
of Transect line

Grazing Cell # ___
Paddock # ___



Compute Mayfield

___	Species AOU	5/16	Initiation date
7	# eggs hatched	6/14	Est. hatch date
0	# eggs remain	.	Exposure days
3	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/19/93 Unit # 9 Transect # 95 N½

FIRST VISIT

Species Burt/Cinn
Nest # 217
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
fresh Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 4 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

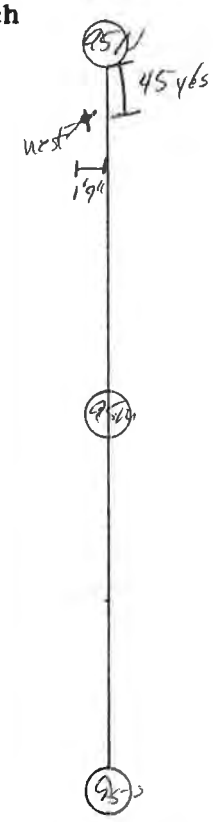
Date 6/23/93

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



Notes
Nat just past whitetop clumps on transect.

Location Sketch



Unit # 9
Transect # 95
Nest # 217 is located
25 ft in [ ] North [x] South
of flag and
1 ft 9 in [ ] East [x] West
of Transect line

~~Grazing Cell #~~
~~Paddock #~~

Compute Mayfield

___	Species AOU	5/10	Initiation date
0	# eggs hatched	6/12	Est. hatch date
0	# eggs remain	.	Exposure days
9	age when found		

Waterfowl Production Survey

Observer R-Garcia Date 5/20/93 Unit # 9 Transect # 85 N½

FIRST VISIT

Species Cadwall
Nest # 223
Status (check one)
- [x] Active
- [ ] Hatched
- [x] Abandoned
- [ ] Destroyed

___ # eggs
Fresh Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 6"

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

From looking @ Numbers used by Ron in calculations I believe he counted this as abandoned when found - that is how it is entered on computer April 03 KS.

SECOND VISIT-Fate

Date 6/24/93

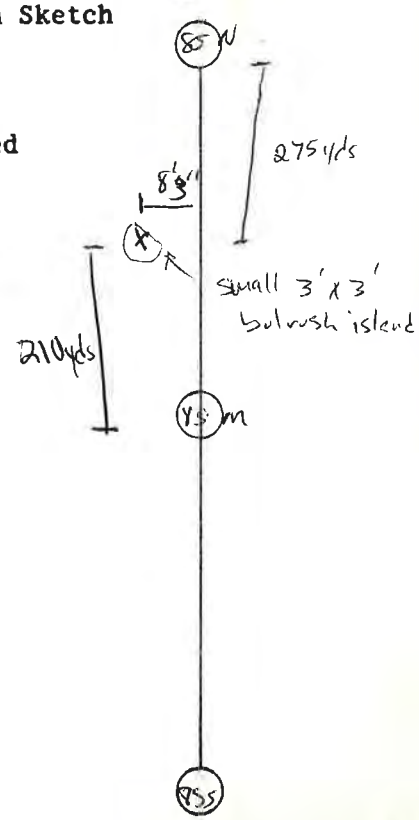
(check one)
- [x] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [x] Abandoned
- [x] Flooded
- [ ] Destroyed
  - [x] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes
Egg is cold may have been abandoned

Location Sketch

Unit # 9
Transect # 85
Nest # 223 is located
25 ft in [ ] North [x] South
of flag and
8 ft 3 in [ ] East [x] West
of Transect line
Grazing Cell # ____
Paddock # ____



Compute Mayfield

___	Species AOU	5/19	Initiation date
0	# eggs hatched	6/14	Est. hatch date
0	# eggs remain	___	Exposure days
1	age when found		

FIELD FORM

Waterfowl Production Survey

Observer R. Garcia Date 5/20/93 Unit # 9 Transect # 87

FIRST VISIT

Species Mallard
Nest # 224
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
5 days Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0.5 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE (circle dominant cover)

- [ ] 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
- [x] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 6/14/93

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

N
W E
S

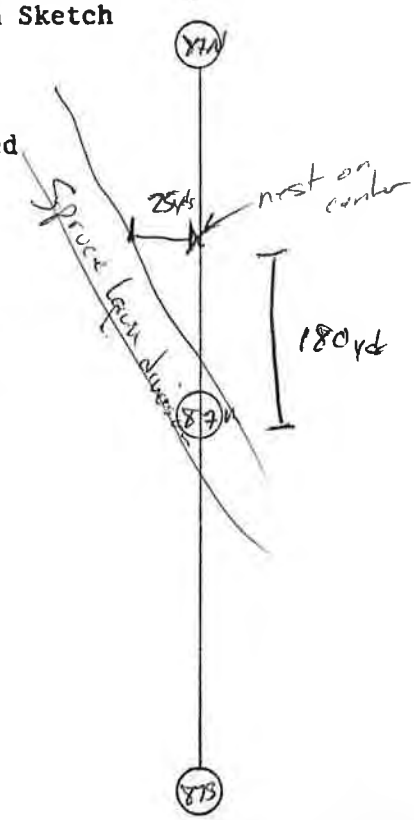
Notes Ribbon on Cattail stalk. 25' Northern Center line

Location Sketch

Unit # 9
Transect # 87
Nest # 224 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
0 ft 0 in
- [x] East
- [ ] West

of Transect line
Grazing Cell # ___
Paddock # ___



Compute Mayfield

___	Species AOU	5/7	Initiation date
9	# eggs hatched	6/14	Est. hatch date
0	# eggs remain	.	Exposure days
15	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R Garcia Date 6/21/93 Unit # 9 Transect # 107 S/2

FIRST VISIT

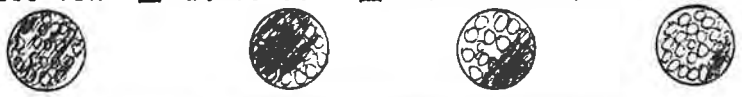
Species Mallard
Nest # 233
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

8 # eggs (9 eggs in water)
5 day Inc. stage
— # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 9/2/93

(check one)
- [x] Hatch
  - 6 # egg hatch
  - 3 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes
Nest is approx 60 yds from S. 107 transect and 2' W. of Centerline
There is also a wooden goose structure approx 60 SW of Nest #4

Location Sketch

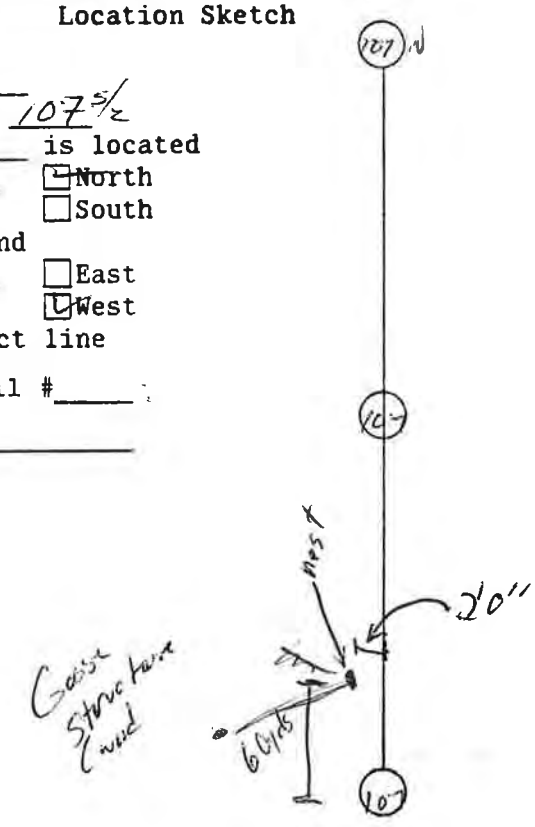
Unit # 9
Transect # 107 S/2
Nest # ____ is located
25 ft 0 in
- [x] North
- [ ] South

of flag and
2 ft 0 in
- [ ] East
- [x] West

of Transect line

Grazing Cell #____

Paddock #_____



7/9

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer Correia Date 6/21/93 Unit # 9 Transect # 105 1/2

FIRST VISIT

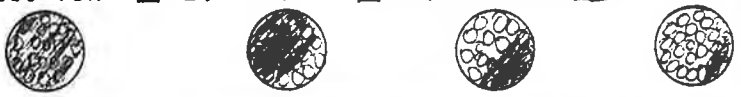
Species Avocet
Nest # 236
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

2 # eggs
? Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 9 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

[ ]	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
[x]	Other	Bare ground

SECOND VISIT-Fate

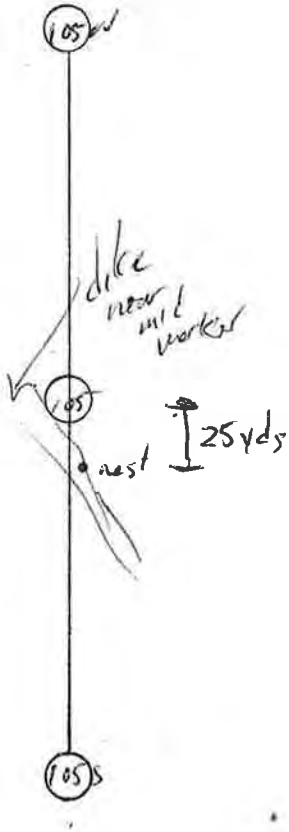
Date 8/2/93

(check one)
- [x] Hatch
  - 2 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [x] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___



Notes Flag 25' N on dike

Location Sketch



Unit # 9
Transect # 105 1/2
Nest # 236 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
3 ft 9 in
- [x] 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		

FIELD FORM

Waterfowl Production Survey

Observer R. Garcia Date 6/23/93 Unit # 9 Transect # T93 S/2

FIRST VISIT

Species Gadwall
Nest # 244
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
8 days Inc. stage
— # parasitic eggs

Dist. to standing H_2O — ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/12/93

(check one)

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



Notes
Nest is @ midway between cattails to the North and the S. T93 transect Marker

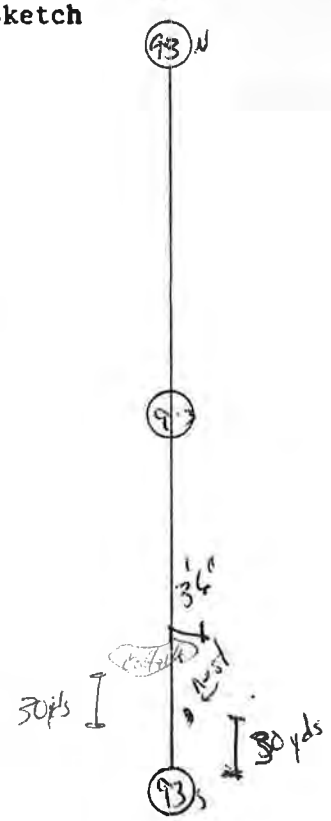
Unit # 9
Transect # T93 S/2
Nest # 244 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
3 ft 6 in
- [x] East
- [ ] West

of Transect line

Grazing Cell # _____
Paddock # _____

Location Sketch



7/10

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/23/92 Unit # 9 Transect # T93 1/2

FIRST VISIT

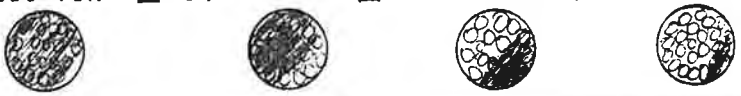
Species Cinnamon Teal
Nest # 245
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
Fresh Inc. stage
— # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



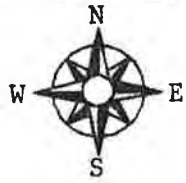
COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 8/12/93

(check one)
- [ ] Hatch
  - # egg hatch
  - # egg remain
- [x] Abandoned 9 eggs
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____

IR



Notes _____

Location Sketch

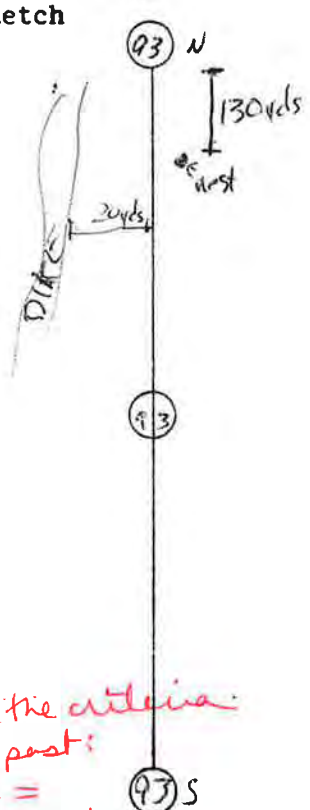
Unit # 9
Transect # T93 1/2
Nest # 245 is located
~~55~~ ~~2~~ ft 0 in
- [ ] North
- [x] South

of flag and
7 ft 6 in
- [x] 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		

IR based on the criteria
Ron used in past:
eggs when found =
eggs during fate check
April 03 KS

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/23/93 Unit # 9 Transect # T93 4/2

FIRST VISIT

Species Mallard
Nest # 246
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed
- [x] piping (#5)

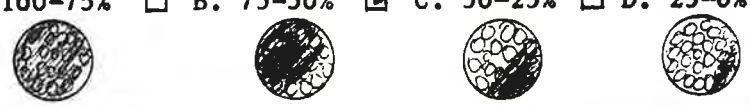
changed April 03 KS

9 # eggs
23 Inc. stage (piping all eggs)
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other ___

SECOND VISIT-Fate

Date 8/12/93

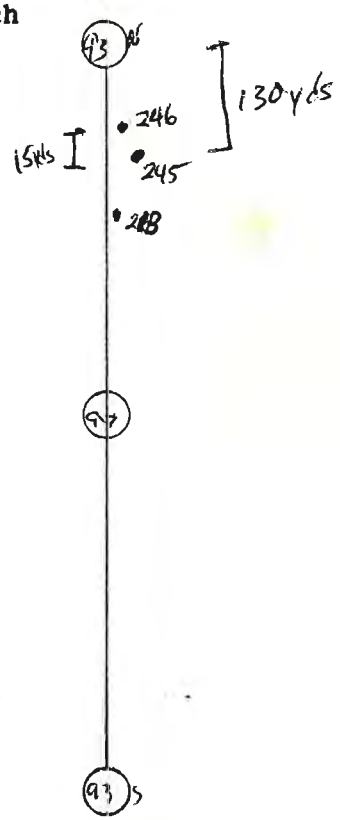
(check one)
- [x] Hatch
  - 7 # egg hatch
  - 2 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [x] Raccoon
  - [x] Coyote
  - [x] Unknown
  - [ ] Other ___



Notes ___

Nest 245 8

Location Sketch



Unit # 9
Transect # T93 4/2
Nest # 246 is located
~~[illegible]~~ 40' ft ~~[illegible]~~ in
- [ ] North
- [x] South

of flag and
4 ft 3 in
- [x] East
- [ ] West

of Transect line

Grazing Cell # ___
Paddock # ___

6/26

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/22/93 Unit # 9 Transect # T93N/2

FIRST VISIT

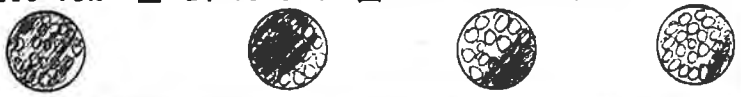
Species Mallard
Nest # 247
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
20+ Inc. stage
— # parasitic eggs

Dist. to standing H_2O — ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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

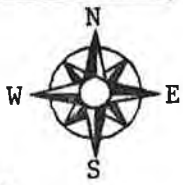


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 8/2/93

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



Notes Nest is located 25 ft S. of Flag 15 yds N. of #247

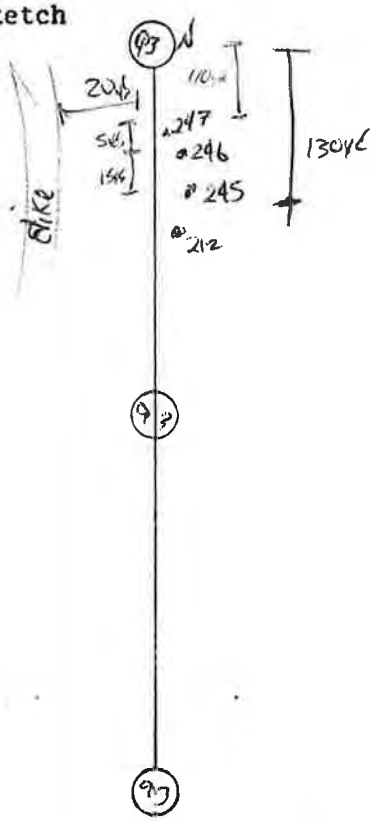
Location Sketch

Unit # 9
Transect # T93N/2
Nest # 247 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
0 ft 6 in
- [ ] East
- [x] West

of Transect line

Grazing Cell # ____
Paddock # ____



6/29

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/23/93 Unit # 9 Transect # T93 N/2

FIRST VISIT

Species Mallard
Nest # 248
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
Adv Inc. stage
— # parasitic eggs

Dist. to standing H_2O — ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



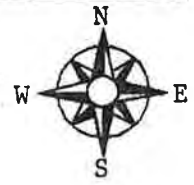
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 9 [illegible]/93

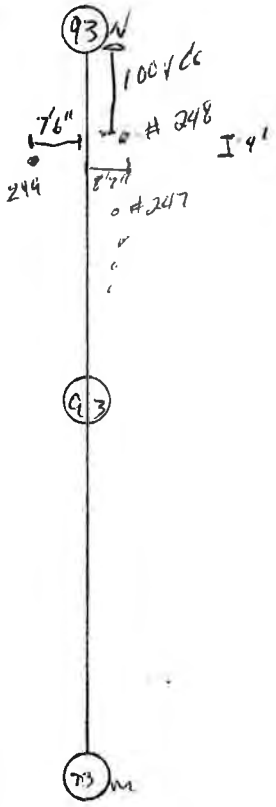
(check one)
- [x] Hatch
  - 5 # egg hatch
  - 2 # egg remain
- [x] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [x] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes _____

Location Sketch

Unit # 9
Transect # T93 N/2
Nest # 248 is located
25ft 0 in [ ] North [x] South
of flag and
8 ft 2 in [x] East [ ] West
of Transect line
Grazing Cell # ____
Paddock # ____



6/30

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/27/97 Unit # 8 Transect # T93 N/2

FIRST VISIT

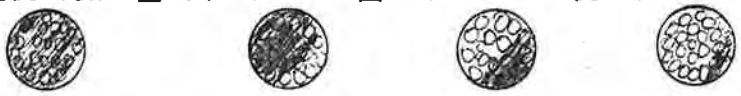
Species Bwt/Cinn
Nest # 249
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
4 days Inc. stage
___ # parasitic eggs

Dist. to standing H_2O — ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



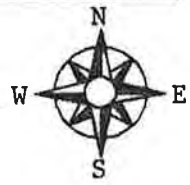
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8-12-97

(check one)
- [x] Hatch
  - 9 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [x] Raven/magpie
  - [x] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ____



Notes ____

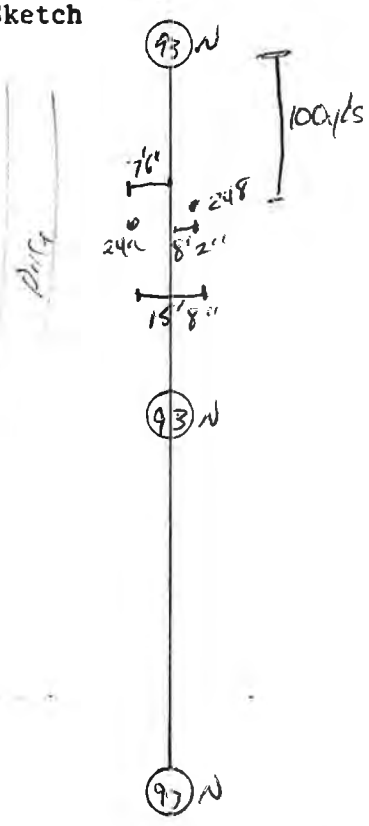
Location Sketch

Unit # 9
Transect # T93 N/2
Nest # 249 is located
29 ft 0 in
- [ ] North
- [x] South

of flag and
7 ft 6 in
- [ ] East
- [x] West

of Transect line

Grazing Cell #____
Paddock #____



7/13

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R Garcia Date 6/23/83 Unit # 9 Transect # 91 N/2

FIRST VISIT

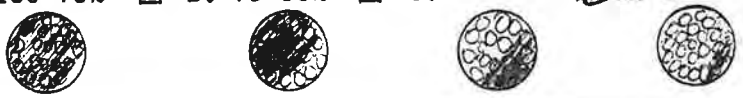
Species Mallard
Nest # 251 251
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

8 # eggs
18 days Inc. stage
— # parasitic eggs

Dist. to standing H_2O — ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



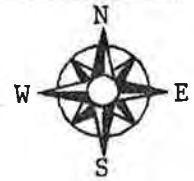
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8 12 19 3

(check one)
- [x] Hatch
  - 8 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other

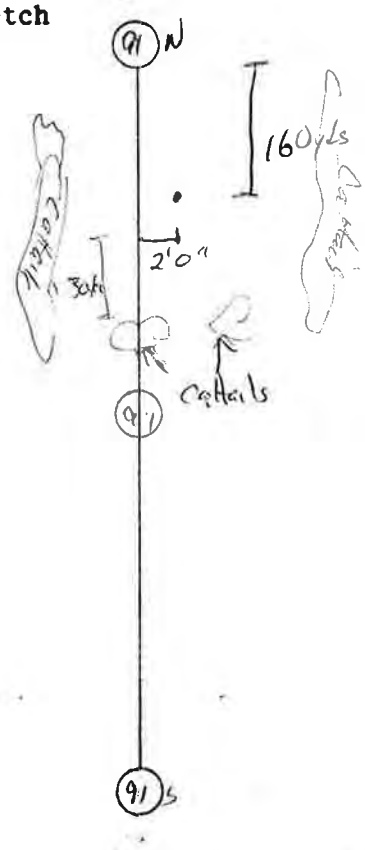


Notes @ 30yds N of Nearest Cattails on Transect from N.

* No down on eggs ??

Location Sketch

Unit # 9
Transect # 91 N/2
Nest # 251 is located
25 ft 0 in [ ] North [x] South
of flag and
2 ft 0 in [x] 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		

7/1

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/23/93 Unit # 9 Transect # T91 N/2

FIRST VISIT

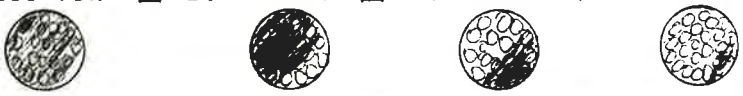
Species Mallard
Nest # 252
Status (check one)
- ☐ Active
- ☑ Hatched
- ☐ Abandoned
- ☐ Destroyed

7 # eggs (1 left)
26 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- ☐ Dry
- ☐ Moist
- ☑ Flooded

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



COVER TYPE
(circle dominant cover)
- ☐ 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 _____

SECOND VISIT-Fate

Date 6/23/93

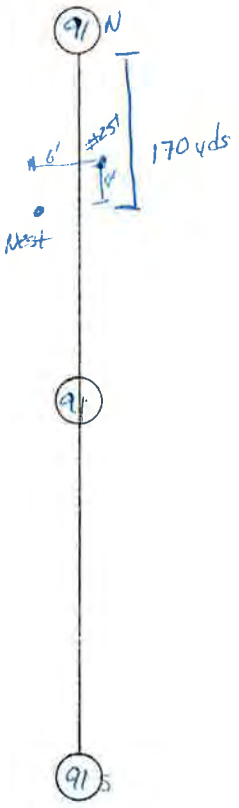
(check one)
- ☑ Hatch
  - 7 # egg hatch
  - 1 # egg remain
- ☐ Abandoned
- ☐ Flooded
- ☐ Destroyed
  - ☐ Raven/magpie
  - ☐ Skunk
  - ☐ Raccoon
  - ☐ Coyote
  - ☐ Unknown
  - ☐ Other _____



Notes _____

Unit # 9
Transect # T91 N/2
Nest # 252 is located
25 ft in ☐ North ☑ South
of flag and
9 ft 2 in ☐ East ☑ West
of Transect line
Grazing Cell # 1
Paddock # _____

Location Sketch



Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R Garcia Date 6/23/93 Unit # 9 Transect # T9I S/c

FIRST VISIT

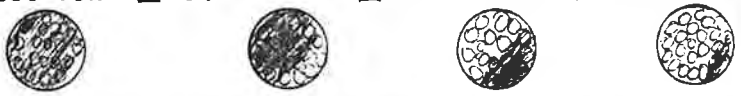
Species Mallard
Nest # 253
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
18 Inc. stage
— # parasitic eggs

Dist. to standing H_2O —ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/2/93

(check one)
- [x] Hatch
  - 5 # egg hatch
  - 1 # egg remain
- [x] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [x] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other

N
W E
S

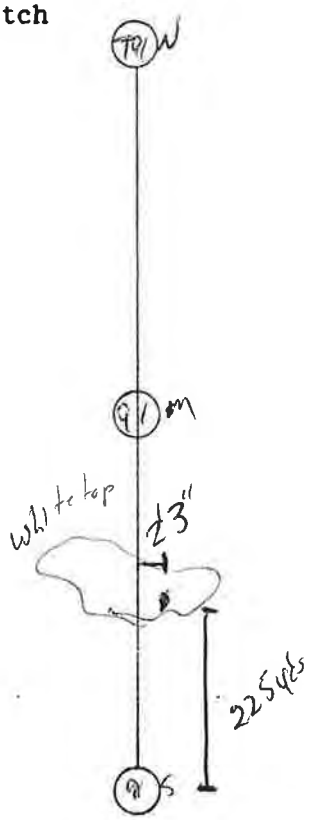
Notes _____

Location Sketch

Unit # 9
Transect # T9I S/c
Nest # 253 is located
25ft 0in
- [ ] North
- [x] South

of flag and
2ft 3in
- [x] East
- [ ] West

of Transect line
Grazing Cell # ____
Paddock # ____



Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/23/93 Unit # 9 Transect # 95½

FIRST VISIT

Species Bwt/Cinn
Nest # 242
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
Fresh Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 05 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

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

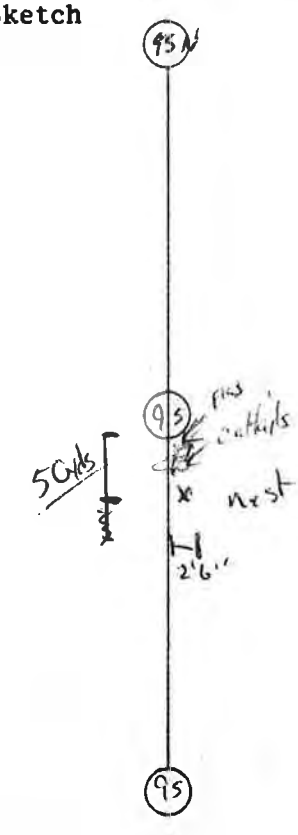
SECOND VISIT-Fate

Date 8 12 93

(check one)
- [x] Hatch
  - 9 # egg hatch
  - 0 # egg remain
- [x] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____

N
W E
S

Location Sketch



Notes _____

Unit # 9
Transect # 95½
Nest # 242 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
2 ft 6 in
- [x] East
- [ ] West

of Transect line

Grazing Cell #_____

Paddock #_____

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R Garcia Date 6/24/93 Unit # 9 Transect # 87 N/2

FIRST VISIT

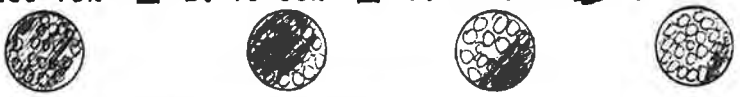
Species Gadwall
Nest # 257
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
8 days Inc. stage
— # parasitic eggs

Dist. to standing H_2O — ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



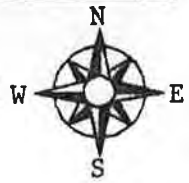
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/12/93

(check one)
- [x] Hatch
  - 6 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes Nest is approx 160 yds S. of N. Boundary. before transect goes through any cattails.

* Hen dumped on eggs

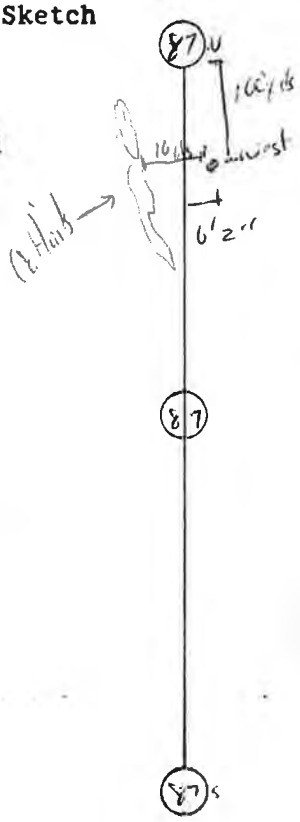
Location Sketch

Unit # 9
Transect # 87 N/2
Nest # 257 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
6 ft 2 in
- [x] 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		

FIELD FORM
Waterfowl Production Survey

Observer R. Csarcia Date 6/24/93 Unit # 9 Transect # T87 N/L

FIRST VISIT

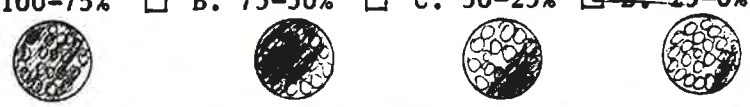
Species Cardwell
Nest # 258
Status (check one)
- [ ] Active
- [ ] Hatched
- [x] Abandoned
- [x] Destroyed

6 # eggs
— Inc. stage
— # parasitic eggs

Dist. to standing H_2O — ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



16 Nov 03
final fate = 11
found fate = 4

COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

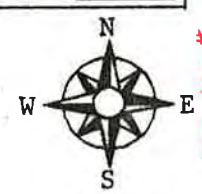
Date 6/24/93

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

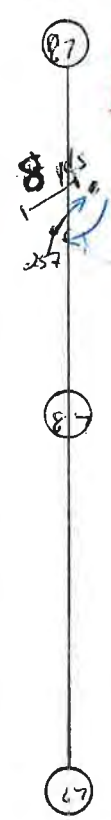
#11

8 eggs in nest 6 outside

IR = bcs # eggs when found = # eggs @ fate check.
Apr 03 KS



Location Sketch



final fate = 11 unsuccessful but 1st cause unknown
Nov, 03 KS

Notes
Nest not flagged.

Unit # 258
Transect # T87 N/L
Nest # _____ is located
~~25 ft in~~ [ ] ~~North~~
[ ] ~~South~~
of flag and
4 ft 3 in [ ] East
[x] 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		

7/23

FIELD FORM
Waterfowl Production Survey

Observer R. Cowie Date 6/24/93 Unit # 9 Transect # T85 N/2

FIRST VISIT

Species Cackler
Nest # 259
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

17 # eggs
Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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






COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other ___

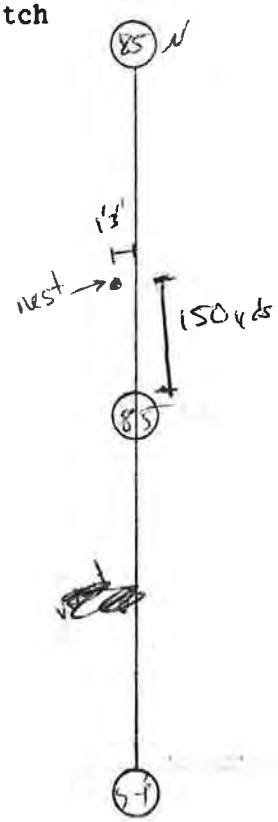
SECOND VISIT-Fate

Date 8/2/93

(check one)
- [x] Hatch
  - 13 # egg hatch
  - 4 # egg remain
- [x] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___



Location Sketch



Notes ___

Unit # 9
Transect # T85 N/2
Nest # 259 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
1 ft 3 in
- [ ] East
- [x] West

of Transect line

Grazing Cell # ___
Paddock # ___

Compute Mayfield
___ Species AOU ___ Initiation date
___ # eggs hatched ___ Est. hatch date

7/11

FIELD FORM
Waterfowl Production Survey

Observer R Garcia Date 6/24/93 Unit # 9 Transect # T85 N/2

FIRST VISIT

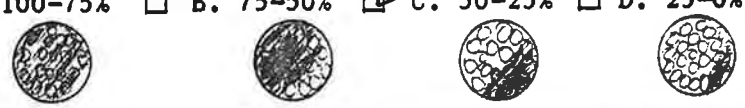
Species Mallard
Nest # 260
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

8 # eggs
10 Inc. stage
— # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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

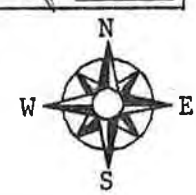


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 8/2/93

(check one)
- [x] Hatch
  - 7 # egg hatch
  - 1 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes _____

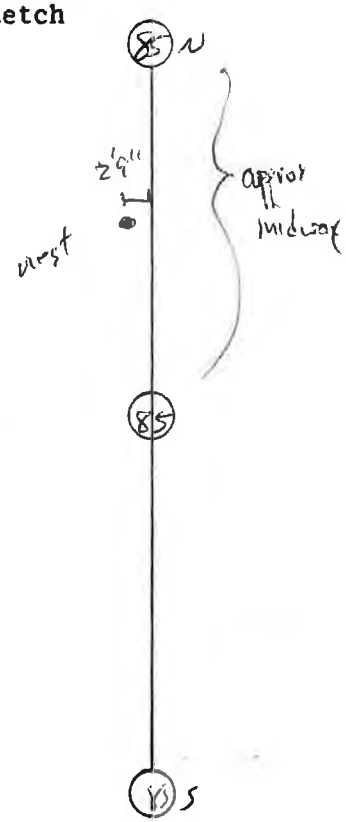
Location Sketch

Unit # 9
Transect # 85 N/2
Nest # 260 is located
25 ft 0 in
- [ ] North
- [x] South

of flag and
2 ft 9 in
- [ ] East
- [x] West

of Transect line

Grazing Cell # ____
Paddock # ____



Compute Mayfield

___	Species AOU	___	Initiation date
___	# eggs hatched	___	Est. hatch date

7/10

Waterfowl Production Surveys

Unit 10-16

FIELD FORM
Waterfowl Production Survey

Observer Rich Sik Date 5/18/93 Unit # 10 Transect # III

FIRST VISIT

Species BWT/CT
Nest # 300
Status (check one)
- ☐ Active
- ☐ Hatched
- ☑ Abandoned
- ☐ Destroyed

x flooded #6

4 # eggs
? Inc. stage
1 # parasitic eggs Redhead

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- ☐ Dry
- ☐ Moist
- ☑ Flooded

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



COVER TYPE
(circle dominant cover)

- ☐ 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 _____

SECOND VISIT-Fate

Date 5/18/93

(check one)

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

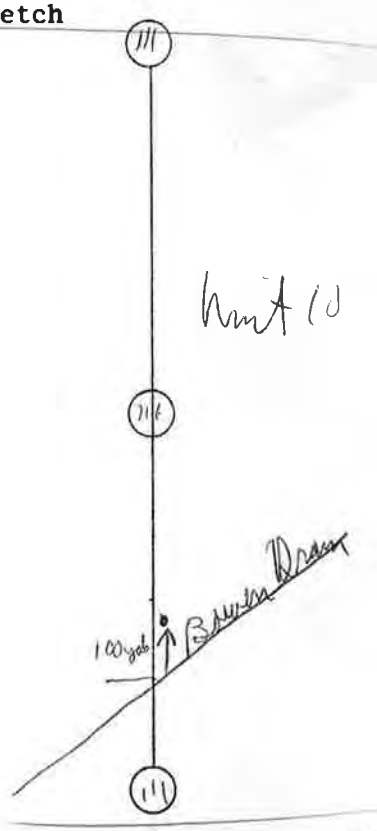


Notes Flooded - nest under 4 inches of water

No Flag

Location Sketch

Unit # 10
Transect # III
Nest # 300 is located
25 ft in ☐ North ☑ South of flag and
5 ft 8 in ☑ East ☐ West of Transect line
Grazing Cell # ___
Paddock # ___



Unit 10

Compute Mayfield

	Species AOU	5/13	Initiation date
0	# eggs hatched	6/11	Est. hatch date
0	# eggs remain	.	Exposure days
5	age when found		

300
389

Cl-4 Mid 115 drawn

FIELD FORM
Waterfowl Production Survey

Observer RWS Date 6/20/93 Unit # 10 Transect # 119

FIRST VISIT

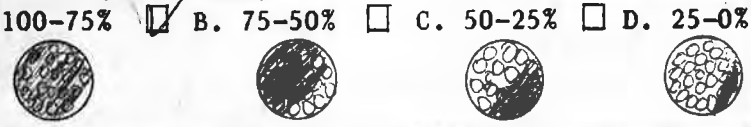
Species Mal
Nest # 301
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

12 # eggs
18 Inc. stage
2 # parasitic eggs Redhead

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] 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
- [x] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date / /

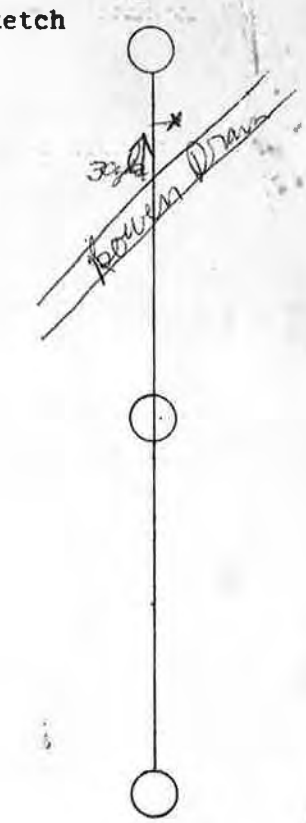
(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes

About 30 yds North of Drain in heavy cattail Flag is 25'N and flagging is about 40' North of Nest on cattail spike

Location Sketch



Unit # 10
Transect # 119
Nest # 301 is located
25 ft in [x] North [x] South
of flag and
3 ft 8 in [x] East [ ] West
of Transect line
Grazing Cell # —
Paddock # —

6/28

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer RWS Date 6/22/93 Unit # 10 Transect # 111

FIRST VISIT

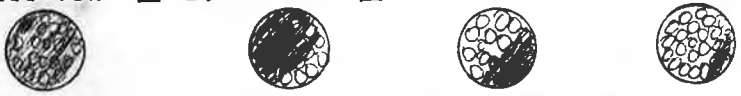
Species Mal
Nest # 303
Status (check one)
- ☐ Active
- ☐ Hatched
- ☐ Abandoned
- ☑ Destroyed

___ # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- ☐ Dry
- ☐ Moist
- ☑ Flooded

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



COVER TYPE
(circle dominant cover)
- ☐ 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 _____

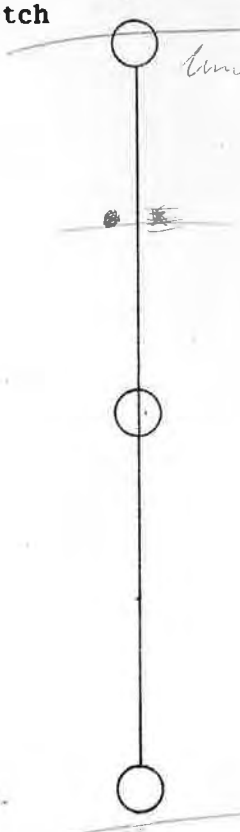
SECOND VISIT-Fate

Date 6/22/93

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

N
W E
S

Location Sketch



Notes No Flag - Nest Destroyed

Unit # 10
Transect # 111
Nest # ___ is located
25 ft in ☐ North ☐ South
of flag and
1 ft 3 in ☐ East ☑ West
of Transect line
Grazing Cell # —
Paddock # ___

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/25/93 Unit # 11 Transect # 13 M/2

Nest # assigned April 1503 - bcs 267 already used

FIRST VISIT

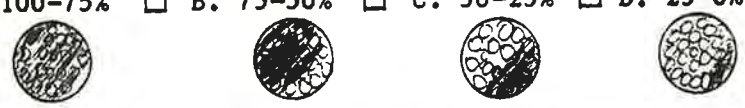
Species Cadwell
Nest # 267 270
Status (check one)
- [x] Active *
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
12 days Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 600ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



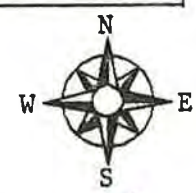
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/2/93

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



Notes
* ~~Nest~~ No hen flushed, found eggs covered nicely but kinda cold. It seems as though the hen may have died while away from the nest.

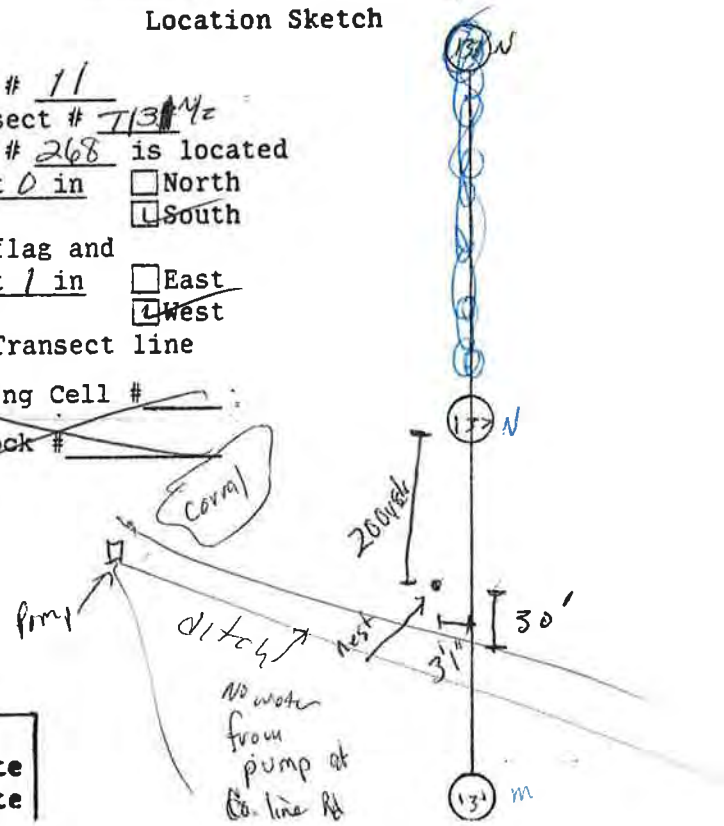
I flagged it anyway to ✓ back in a month or so.

8/2 All eggs still in nest, which was virtually undisturbed. Each egg, however had a neat hole packed into the side ~~[illegible]~~ moderately large. nest destroyed.

7/8

Location Sketch

Unit # 11
Transect # T13 M/2
Nest # 268 is located
10 ft 0 in [ ] North [x] South
of flag and
3 ft 1 in [ ] East [x] West
of Transect line
Grazing Cell # ___
Paddock # ___



Compute Mayfield

___	Species AOU	___	Initiation date
___	# eggs hatched	___	Est. hatch date

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/28/93 Unit # 11 Transect # T128N/2

FIRST VISIT

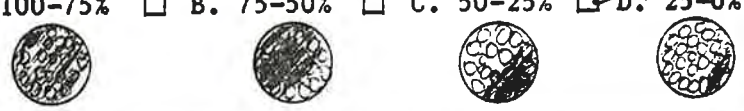
Species Goodwall
Nest # 269
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
[x] Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 200ft

Soil Surface (check one)
- [x] Dry
- [ ] Moist
- [ ] Flooded

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

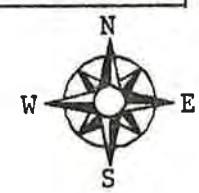


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 8/2/93

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



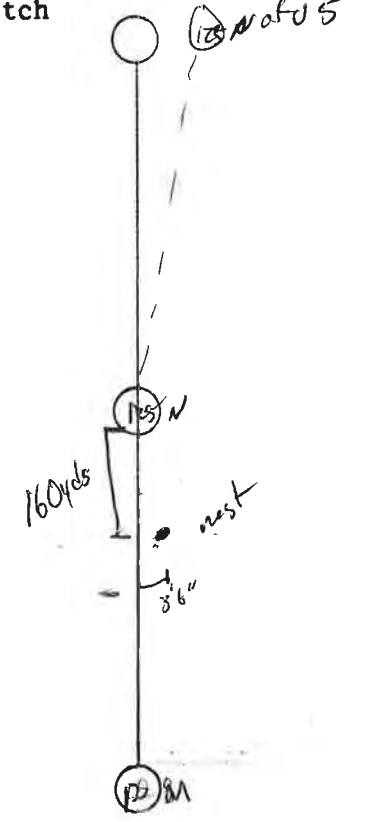
Notes
Transect is not straight
US Nmerk 125 is to far
East from others

Nest is approx 100yds NW
of Corrals in Unit 11.

8/2 No Eggshells or membranes
in nest. Probably predated.
Nothing present in or
Around nest to indicate
hatching — nest presumed unsuccessful

Location Sketch

Unit # 11
Transect # 125
Nest # 269 is located
25 ft 0 in [ ] North [x] South
of flag and
3 ft 6 in [x] East [ ] West
of Transect line
Grazing Cell # ___
Paddock # ___



7/24

Compute Mayfield
___ Species AOU ___ Initiation date
___ # eggs hatched ___ Est. hatch date

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/25/93 Unit # 01 Transect # IL35 N/2

FIRST VISIT

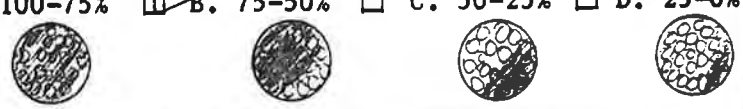
Species Bwt/Cinn
Nest # 267
Status (check one)
- [ ] Active
- [ ] Hatched
- [ ] Abandoned
- [x] Destroyed

8 # eggs
1 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 300ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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

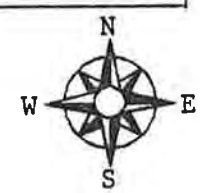


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 6/25/93

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

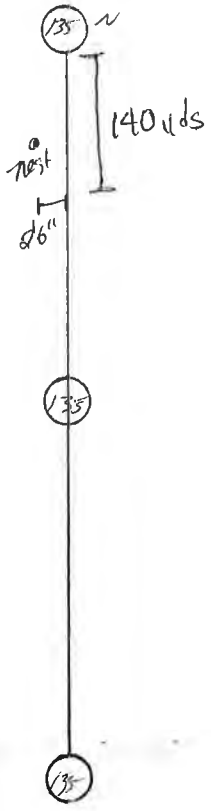


Notes
* Looks very freshly Predated w/in past 2 hours. (probably) from the down/Blood/and Membranes I would say that the eggs were almost ready to hatch.

Unit # 01
Transect # 135 N/2
Nest # 267 is located
~~25 ft~~ in [ ] North [x] South
of flag and
3 ft 6 in [ ] East [x] West
of Transect line

~~Grazing Cell #~~ ___
~~Paddock #~~ ___

Location Sketch



7/21

Compute Mayfield
___ Species AOU ___ Initiation date
___ # eggs hatched ___ Est. hatch date

FIELD FORM
Waterfowl Production Survey

Observer BRIAN BECHAVER Date 5/16/93 Unit # 14 Transect # 35

FIRST VISIT

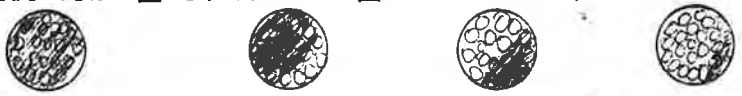
Species Coot
Nest # 102
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

8 # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6/12/93

(check one)
- [x] Hatch
  - 8 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes Nest is woven into the Reeds directly Above Standing water. This is the Smaller patch, that is farther out in the water

Location Sketch

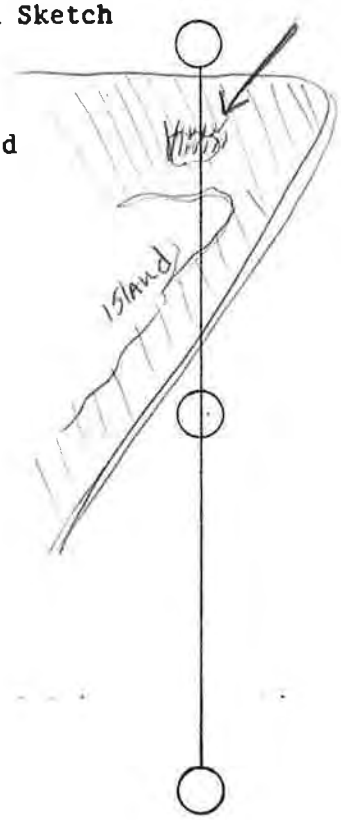
Unit # 14
Transect # 35
Nest # 102 is located
25 ft — in
- [x] North
- [ ] South

of flag and
0 ft — in
- [ ] East
- [x] 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		

FIELD FORM
Waterfowl Production Survey

Observer Brian Beckaver Date 5/27/93 Unit # 14 Transect # 33

FIRST VISIT

Species Coot
Nest # 115
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

3 # eggs
— Inc. stage
— # parasitic eggs

Dist. to standing H_2O Above

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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






COVER TYPE
(circle dominant cover)

[ ]	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
[x]	Tla	Cattail
[ ]	Sva	Bullrush
[ ]	Other	_____

SECOND VISIT-Fate

Date 6/21/93

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



Notes 5/27 – 3 Eggs in nest
6/21 – 7 Eggs – Warm, Hen Still Setting.

Location Sketch

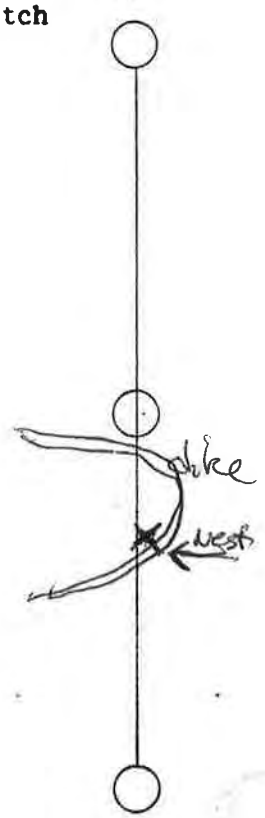
Unit # 14
Transect # 33
Nest # 115 is located
25 ft — in
- [x] North
- [ ] South

of flag and
4 ft 6 in
- [x] 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		

FIELD FORM
Waterfowl Production Survey

Observer BRIAN BECHAVER Date 5/27/93 Unit # 14 Transect # 33

FIRST VISIT

Species Mallard
Nest # 114
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

1 # eggs
— Inc. stage
— # parasitic eggs

Dist. to standing H_2O 50 ft

Soil Surface (check one)
- [x] Dry
- [ ] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6/21/93

(check one)

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



Notes only 1 egg 5 lb down - must be just beginning to lay

Location Sketch

Unit # 14
Transect # 33
Nest # 114 is located
25 ft in
- [x] North
- [x] South

of flag and
5 ft in
- [ ] East
- [x] West

of Transect line

Grazing Cell #_____

Paddock #_____



Compute Mayfield

	Species AOU	5/26	Initiation date
0	# eggs hatched	6/22	Est. hatch date
0	# eggs remain	.	Exposure days
1	age when found		

Waterfowl Production Survey

Observer Berlinger Date 6/22/93 Unit # 14 Transect # 21

FIRST VISIT

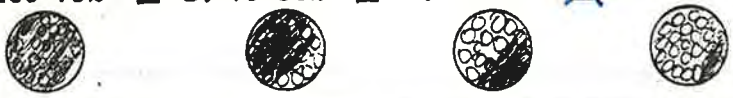
Species Teal Bus.
Nest # 500
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

4 # eggs
Fresh Inc. stage
— # parasitic eggs

Dist. to standing H_2O 10 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



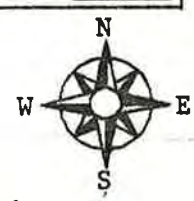
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 7/30/93

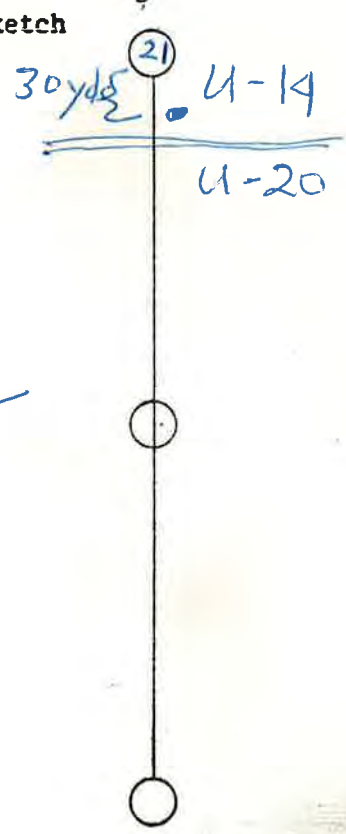
(check one)
- [x] Hatch
  - 5 # egg hatch
  - — # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other



Notes All membranes in nest, successful.

Location Sketch

Unit # 14
Transect # 21
Nest # 500 is located
25 ft in [ ] North [x] South
of flag and
6 ft in [x] East [ ] West
of Transect line
Grazing Cell # Ziegler
Paddock # 5



7/22

Compute Mayfield

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

Waterfowl Production Survey

Observer Bechaver Date 6/12/93 Unit # 14 Transect # 35

FIRST VISIT

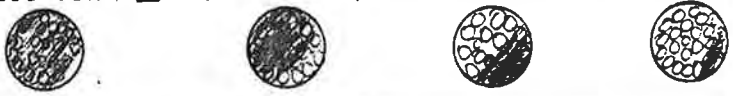
Species Coot
Nest # 117
Status (check one)
- ☑ Active
- ☐ Hatched
- ☐ Abandoned
- ☐ Destroyed

3 # eggs
Fresh Inc. stage
— # parasitic eggs

Dist. to standing H_2O None ft

Soil Surface (check one)
- ☐ Dry
- ☐ Moist
- ☑ Flooded

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



COVER TYPE
(circle dominant cover)

- ☐ 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 _____

SECOND VISIT-Fate

Date 8/14/93

(check one)

☑ Hatch
3 # egg hatch
— # egg remain

☐ Abandoned

☑ Flooded

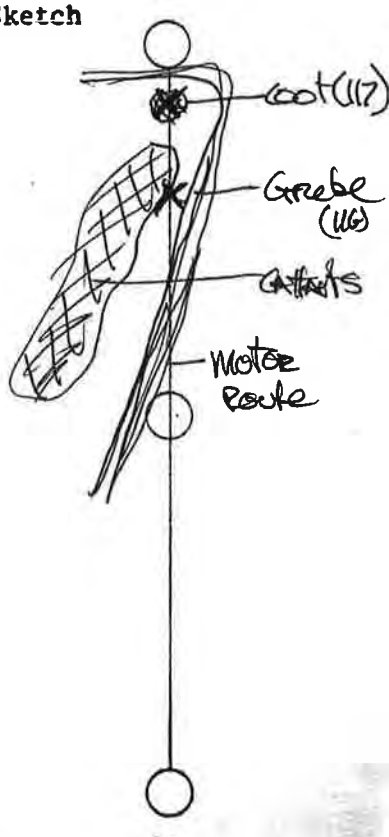
☐ Destroyed
- ☑ Raven/magpie
- ☑ Skunk
- ☐ Raccoon
- ☐ Coyote
- ☐ Unknown
- ☐ Other _____



Notes In same bunch of reeds that nest # 102 was located only 3 eggs, fresh, possibly still laying.

Unit # 14
Transect # 35
Nest # 117 is located
25 ft — in ☑ North ☐ South
of flag and
4 ft 6 in ☐ East ☑ West
of Transect line
Grazing Cell # ____
Paddock # ____

Location Sketch



Compute Mayfield

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

Waterfowl Production Survey

Observer Brian Bechaver Date 6/22/93 Unit # 14 Transect # 35

FIRST VISIT

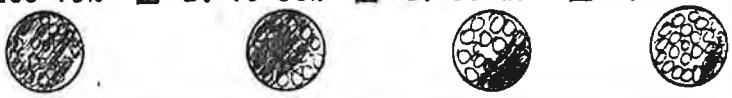
Species Grebe
Nest # 116
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

5 # eggs
— Inc. stage
— # parasitic eggs

Dist. to standing H_2O Above ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] 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
- [x] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 8/4/93

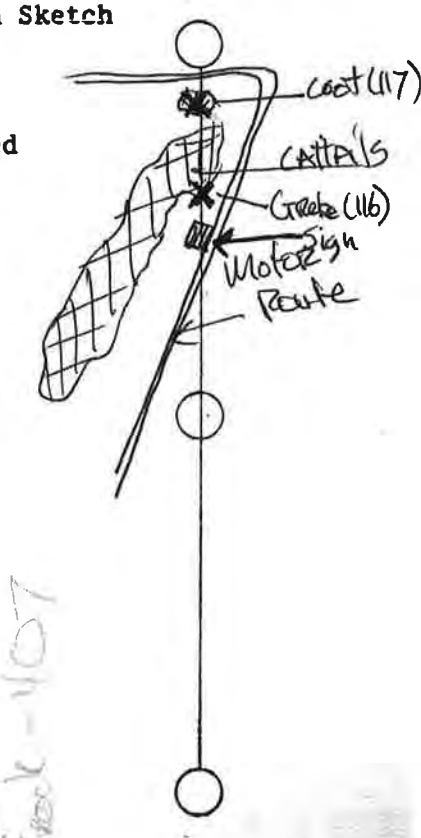
(check one)
- [x] Hatch
  - 5 # egg hatch
  - — # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes 5 Eggs, very dirty, but warm, on a floating nest just North west of the Tour Route Sign, in the cattails

Location Sketch

Unit # 14
Transect # 35
Nest # 116 is located
25 ft — in [x] North [ ] South
of flag and
1 ft — in [x] 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		

#-116
Pon-273
Rick-302
Brock-407

Waterfowl Production Survey

Observer BECHAVER Date 6 22 93 Unit # 15 Transect # 43

FIRST VISIT

Species Coot
Nest # 119
Status (check one)
- ☐ Active
- ☐ Hatched
- ☑ Abandoned ??
- ☐ Destroyed

2 # eggs
Fresh Inc. stage
— # parasitic eggs

Dist. to standing H_2O None

Soil Surface (check one)
- ☐ Dry
- ☐ Moist
- ☑ Flooded

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



COVER TYPE
(circle dominant cover)
- ☐ 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 _____

SECOND VISIT-Fate

Date 8 14 93

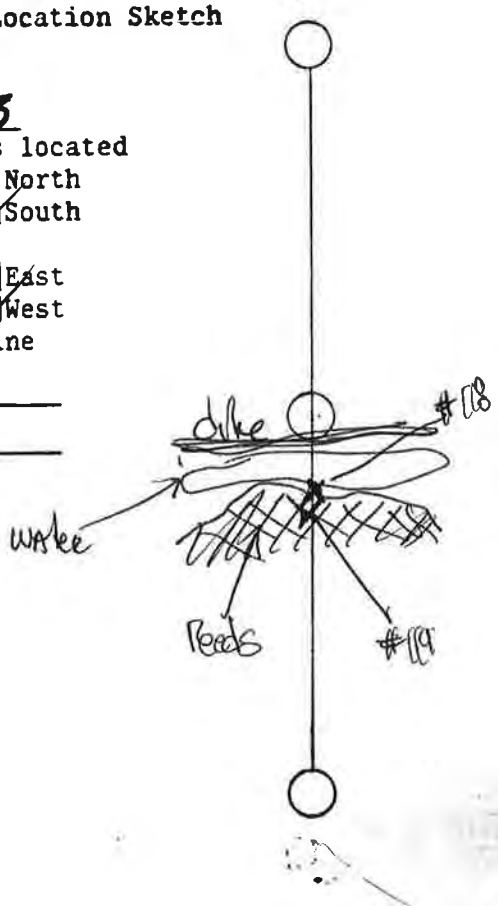
(check one)
- ☐ Hatch
  - ___ # egg hatch
  - ___ # egg remain
- ☑ Abandoned
- ☐ Flooded
- ☐ Destroyed
  - ☐ Raven/magpie
  - ☐ Skunk
  - ☐ Raccoon
  - ☐ Coyote
  - ☐ Unknown
  - ☐ Other _____



Notes This nest lies Approx. 6 feet directly South of nest #118. It is Possibly Abandoned, I couldn't be sure. Flagged with Flag # 118 (does not have it's own flag)

Location Sketch

Unit # 15
Transect # 43
Nest # 119 is located
30 ft — in ☐ North ☑ South
of flag and
3 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		

Waterfowl Production Survey

Observer BECHAVER Date 6/12/93 Unit # 15 Transect # 43

FIRST VISIT

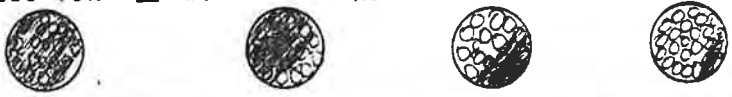
Species Coot
Nest # 118
Status (check one)
- [x] Active
- [x] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
Hatching inc. stage
— # parasitic eggs

Dist. to standing H_2O Near

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 8/4/93

(check one)
- [x] Hatch
  - 6 # egg hatch
  - — # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____

Notes 6 Eggs in nest, 2 chicks, Eggs are in the process of hatching, ~6 feet directly South has another Coot nest w/ 7 Eggs this one has [illegible]. Possibly been Abandoned

Location Sketch

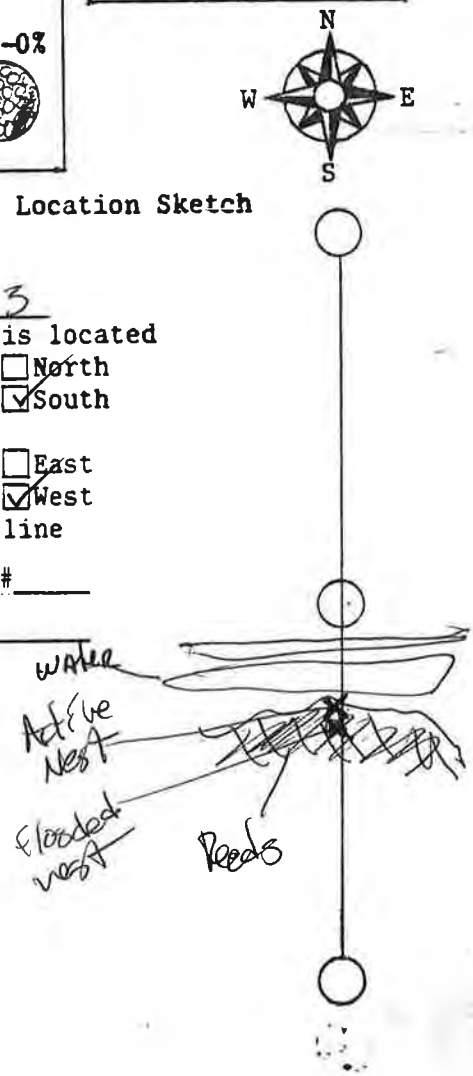
Unit # 15
Transect # 43
Nest # 118 is located
25ft — in
- [ ] North
- [x] South

of flag and
2 ft — in
- [ ] East
- [x] 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		

Waterfowl Production Survey

Observer [illegible] Date 6/25/93 Unit # 15 Transect # 51

FIRST VISIT

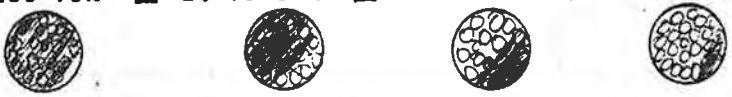
Species Gadwall
Nest # 120
Status (check one)
- ☐ Active
- ☐ Hatched
- ☐ Abandoned
- ☑ Destroyed

5 # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 60 ft

Soil Surface (check one)
- ☑ Dry
- ☐ Moist
- ☐ Flooded

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



COVER TYPE

(circle dominant cover)

- ☐ 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 ____

SECOND VISIT-Fate

Date 1 1

(check one)

- ☐ Hatch
  - ___ # egg hatch
  - ___ # egg remain
- ☐ Abandoned
- ☐ Flooded
- ☐ Destroyed
  - ☐ Raven/magpie
  - ☑ Skunk ?
  - ☐ Raccoon
  - ☐ Coyote
  - ☐ Unknown
  - ☐ Other ____



Notes destroyed probably last night as the membranes were still fresh & wet. Probably by a skunk, possibly ravens or magpies

Approx 100 yds North of the South end of unit 15 transect #51

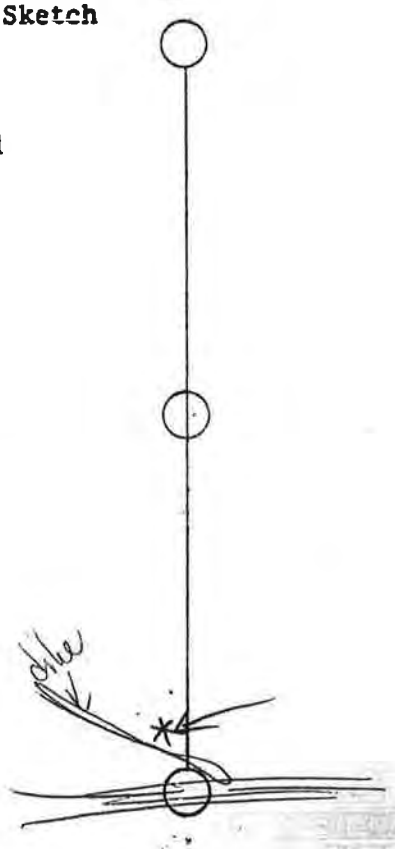
NO FLAG

Location Sketch

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

Grazing Cell #____

Paddock #____



7/23

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer BRIAN BECHAVER Date 5/20/93 Unit # 16 Transect # 69

FIRST VISIT

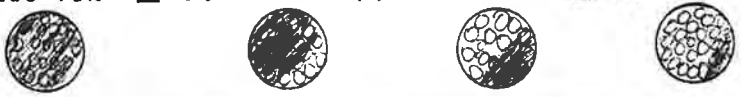
Species MALLARD
Nest # 103
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

1 # eggs
Fresh (Laying) Inc. stage
— # parasitic eggs

Dist. to standing H_2O 100 Ft's

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6/24/93

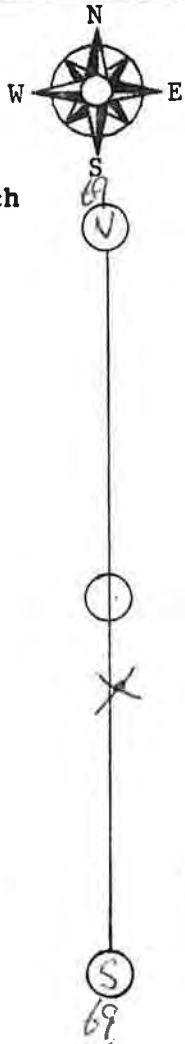
(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [x] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ____

Notes only 1 Egg in nest And No down. Possibly just beginning to lay?

7th nest of transect line, About 75-100 yards South of Middle marker

6/24/93 — No Egg shells, No sign of down. Nest WAS most likely Abandoned. Not found After first visit. No signs that the nest was disturbed

Location Sketch



Unit # 16
Transect # 69
Nest # 103 is located
25 ft — in
- [ ] North
- [x] South

of flag and
7 ft ~ in
- [x] East
- [ ] West

of Transect line

Grazing Cell #____

Paddock #____

Compute Mayfield

	Species AOU	5/19	Initiation date
0	# eggs hatched	6/14	Est. hatch date
0	# eggs remain	.	Exposure days
1	age when found		

FIELD FORM
Waterfowl Production Survey

Observer Brian Belhaver Date 5/20/93 Unit # 16 Transect # 71

FIRST VISIT

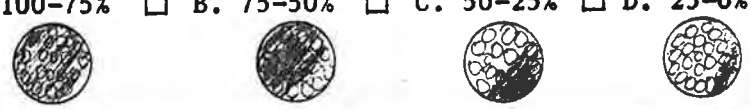
Species Teal ?? BW? (assume)
Nest # 104
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

3 # eggs
___ Inc. stage
— # parasitic eggs

Dist. to standing H_2O 50 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [x] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [ ] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date / / Not Relocated

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

Cattle Trampled Flag
Nest Not located

N
W E
S

Notes 3 Eggs, uncertain of incubation stage - no down in nest - possibly still laying?

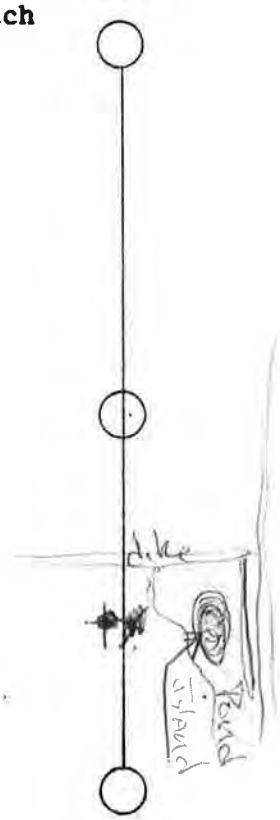
6/24/93 - Fate undetermined. Cattle were in this section, and have pretty much trampled things down. Could not find flag and thus could not locate the nest.

Location Sketch

Unit # 16
Transect # 71
Nest # 104 is located
25 ft — in ☐ North ☑ South
of flag and
4 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		

Waterfowl Production Survey

Observer BECHTAVER Date 6/23/93 Unit # 16 Transect # 61

FIRST VISIT

Species Shoveler
Nest # 121
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
16 Inc. stage
— # parasitic eggs

Dist. to standing H_2O 100 ft

Soil Surface (check one)
- [x] Dry
- [ ] Moist
- [ ] Flooded

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



COVER TYPE

(circle dominant cover)

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

SECOND VISIT-Fate

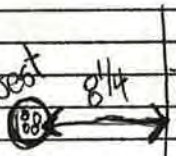
Date 7/30/93

(check one)

- [x] Hatch
  - 7 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes ~~Almost~~ Almost out of transect



7/30 only GRD WHOLE PRESENT but there is nothing in or around the nest that would indicate predation or abandonment, — most successful

Location Sketch

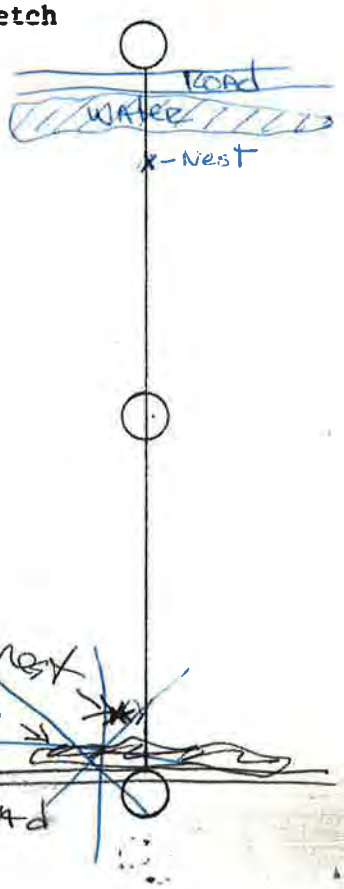
Unit # 16
Transect # 61
Nest # 121 is located
25 ft — in
- [x] North
- [ ] South

of flag and
8 ft 1/4 in
- [x] 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		

Waterfowl Production Survey

Observer BECHAVER Date 6/24/93 Unit # 16 Transect # 65

FIRST VISIT

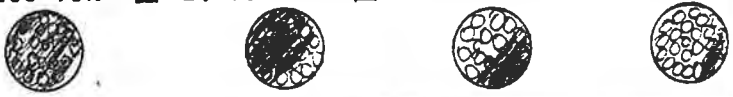
Species Gadwall
Nest # 122
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

8 # eggs
8 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 60 ft

Soil Surface (check one)
- [x] Dry
- [ ] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [x] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [ ] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 7/30/93

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



Notes Approx 50-60 ft East of dike

7/30 only 1 Egg Remaining in nest. It contains the puncture marks indicative of predation. Egg shells scattered around nest unsuccessful.

Location Sketch

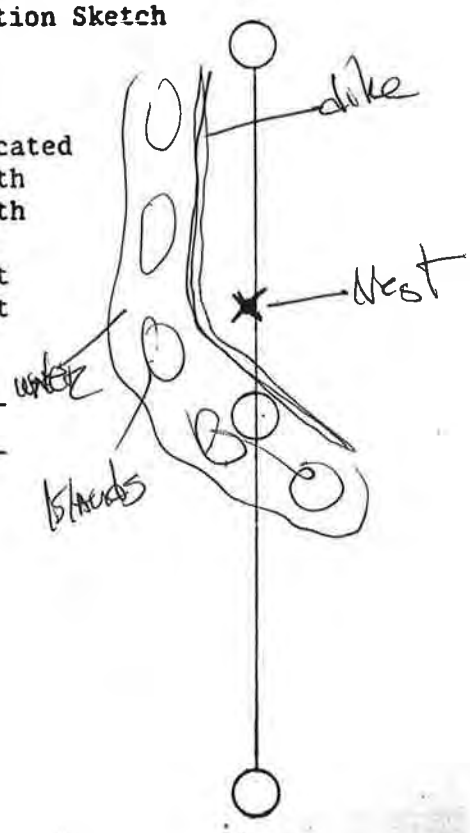
Unit # 16
Transect # 65
Nest # 122 is located
25 ft — in
- [ ] North
- [x] South

of flag and
2 ft — in
- [ ] East
- [x] 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		

7/11

Waterfowl Production Surveys

Unit 17-24

FIELD FORM
Waterfowl Production Survey

Observer Brian Bellhaver Date 5/20/93 Unit # 17 Transect # 13

FIRST VISIT

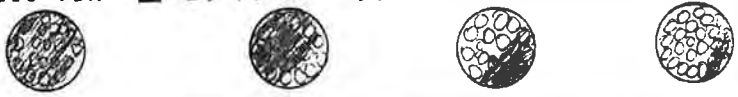
Species Mallard
Nest # 106
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

5 # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O ~~Marshy Area~~ ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6/24/93

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

Notes Only About 30 yds directly North of Bittern Nest # 105

6/24

4 Eggs in nest, All w/ holes Eaten out of one end.

Unit # 17
Transect # 13
Nest # 106 is located
25 ft in
- [ ] North
- [x] South

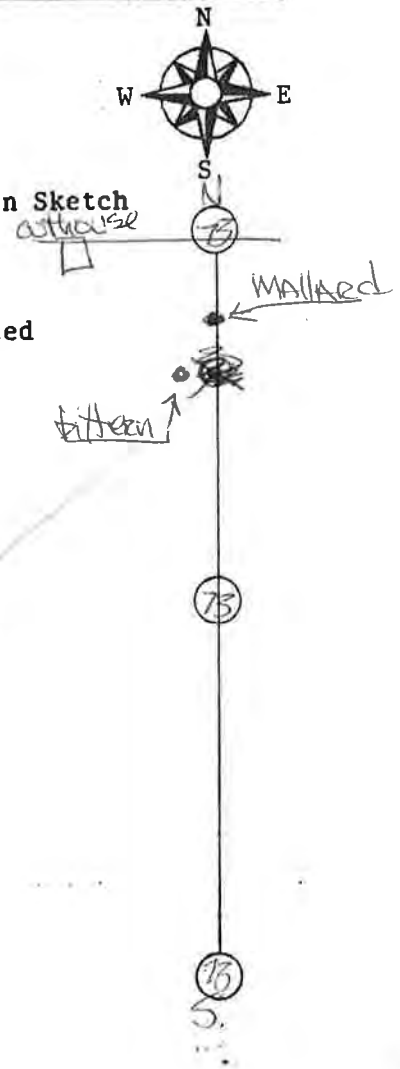
of flag and
1 ft 6 in
- [ ] East
- [x] West

of Transect line

Grazing Cell # ____

Paddock # ____

Location Sketch



Compute Mayfield

___	Species ADU	5/15	Initiation date
8	# eggs hatched	6/19	Est. hatch date
0	# eggs remain	___	Exposure days
5	age when found		

FIELD FORM
Waterfowl Production Survey

Observer BRIAN BECHAVER Date 5/20/93 Unit # 17 Transect # 75

FIRST VISIT

Species MALLARD
Nest # 107
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

5 # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 6 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

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

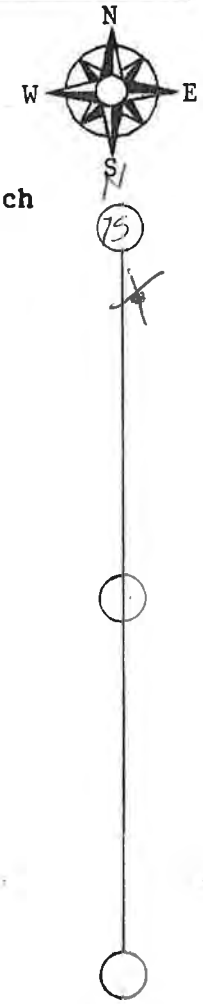
SECOND VISIT-Fate

Date 6/24/93

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

Notes Approx 100 yds South of Northern transect Sign # 75 in Unit 17
6/24 No membranes or eggshells present — Possibly destroyed not long After First Visit??

Location Sketch



Unit # 17
Transect # 75
Nest # 107 is located
25 ft — in
- [ ] North
- [x] South

of flag and
8 ft — in
- [x] East
- [ ] West

of Transect line

Grazing Cell #_____

Paddock #_____

Compute Mayfield

	Species AOU	5/15	Initiation date
8	# eggs hatched	6/19	Est. hatch date
0	# eggs remain	.	Exposure days
5	age when found		

FIELD FORM
Waterfowl Production Survey

Observer Brian Beehaver Date 5/20/93 Unit # 17 Transect # 75

FIRST VISIT

Species Mourning dove
Nest # 108
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

2 # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O grease wood

Soil Surface (check one)
- [x] Dry
- [ ] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

- [ ] Sx Willow
- [x] 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 _____

SECOND VISIT-Fate

Date 6/24/93

(check one)

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

Fate uncertain

N
W E
S

Notes I'm not Even SURE if we ARE to document Nests like this, I did ANY WAY to be SAFE.

Approx 75 yds South of middle MARKER

6/24

No Eggshells OR membranes present - fate uncertain

Location Sketch

Unit # 17
Transect # 75
Nest # 108 is located
25 ft — in
- [ ] North
- [x] South

of flag and
3 ft 6 in
- [ ] East
- [x] West

of Transect line

Grazing Cell #____

Paddock #_____



Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer Brian Bechaver Date 5/20/93 Unit # 17 Transect # 73

FIRST VISIT

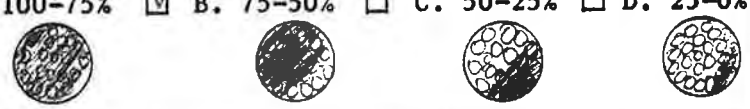
Species bittern
Nest # 105
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

1 # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O Marshy Area ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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

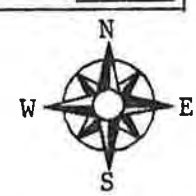


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [ ] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

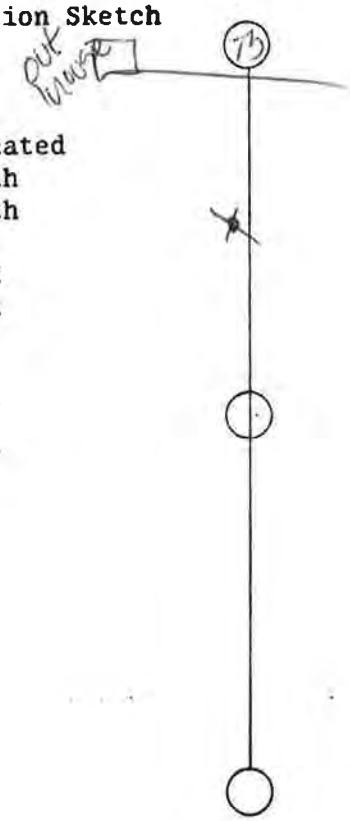
Date 6/24/93

(check one)
- [x] Hatch
  - 3 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes Only one egg possibly still laying?
6/24/93 young, barely beginning to grow pin feathers

Location Sketch



Unit # 17
Transect # 73
Nest # 105 is located
25 ft — in
- [ ] North
- [x] South

of flag and
7 ft in
- [ ] East
- [x] 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		

FIELD FORM
Waterfowl Production Survey

Observer BRIAN BACHAVER Date 5/21/93 Unit # 17 Transect # 85

FIRST VISIT

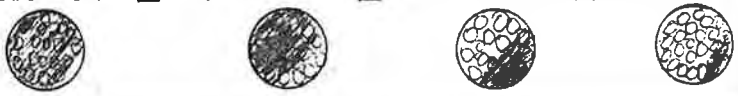
Species Coot
Nest # 112
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O ~~Absent~~

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

[ ]	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	_____

SECOND VISIT-Fate

Date 6/25/93

(check one)
- [x] Hatch
  - 7 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [x] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes the transect line is hard to figure out here

Location Sketch

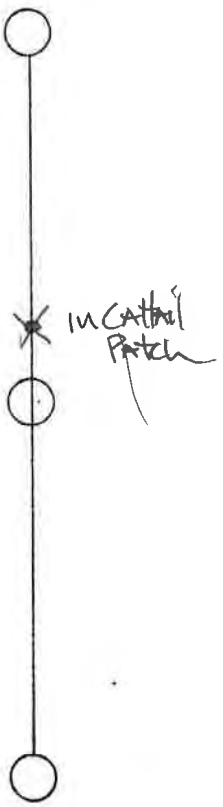
Unit # 17
Transect # 85
Nest # 112 is located
25 ft — in
- [ ] North
- [x] South

of flag and
8 ft — in
- [ ] East
- [x] 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		

FIELD FORM
Waterfowl Production Survey

Observer BARBARA BECHAVER Date 5/21/93 Unit # 17 Transect # 81

FIRST VISIT

Species Coot
Nest # 111
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

7 # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O Above water

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [x] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 6/25/93

(check one)
- [x] Hatch
  - 7? # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [x] Other _____

N
W E
S

Notes Nest woven into reeds Above the WATER.

Location Sketch

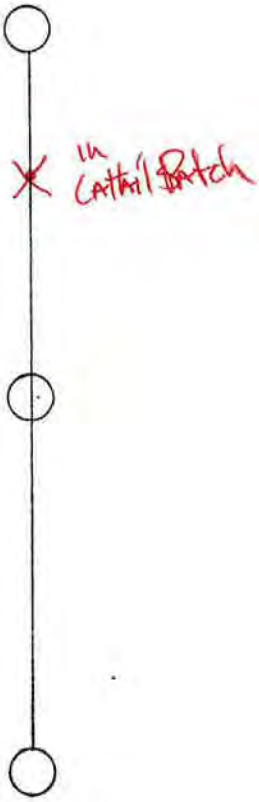
Unit # 17
Transect # 81
Nest # 111 is located
25 ft — in
- [x] North
- [x] South

of flag and
4 ft — in
- [ ] East
- [x] West

of Transect line

Grazing Cell #_____

Paddock #_____



Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer BRIAN BECHAVER Date 5/21/93 Unit # 17 Transect # 77

FIRST VISIT

Species Teal Body
Nest # 109
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

10 # eggs
1 Inc. stage
— # parasitic eggs

Dist. to standing H_2O 20ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [x] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [ ] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 6/25/93

(check one)
- [x] Hatch
  - 8 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [x] Other _____

8 Live Embryos Found

Notes 10 Eggs, down in nest, INCUBATION STAGE UNCERTAIN, HOWEVER, APPROX 250 yds SOUTH OF NORTHERN MARKER

ALSO 8 MALLARDS WEST 30 ft SOUTH 3 20 ft FENCE OF THIS NEST - THIS IS AN EXCELLENT AREA FOR NESTING, GOOD COVER & WATER

6/25 TEAL SUCCESSFUL, MALLARD NEST CONTAINED NO SHELLS, NO MEMBRANES.

Unit # 17
Transect # 77
Nest # 109 is located
25 ft — in
- [ ] North
- [x] South

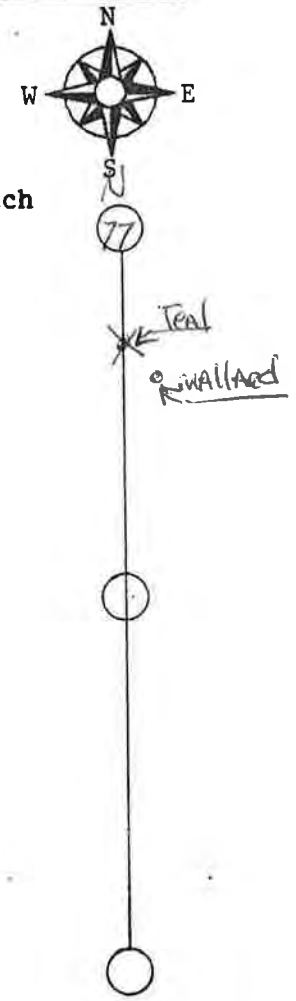
of flag and
8 ft — in
- [ ] East
- [x] West

of Transect line

Grazing Cell #_____

Paddock #_____

Location Sketch



Compute Mayfield

	Species AOU	5/11	Initiation date
8	# eggs hatched	6/14	Est. hatch date
0	# eggs remain	.	Exposure days
10	age when found		

FIELD FORM
Waterfowl Production Survey

Observer BRIAN BOECHAVER Date 5/21/93 Unit # 17 Transect # 81

FIRST VISIT

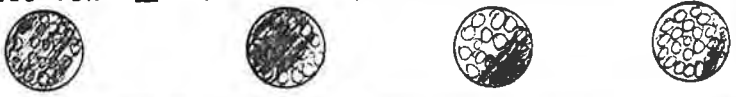
Species TEAL BWT
Nest # 110
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

2 # eggs
LAYING Inc. stage
— # parasitic eggs

Dist. to standing H_2O 35 ft

Soil Surface (check one)
- [x] Dry
- [ ] Moist
- [ ] Flooded

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



COVER TYPE
(circle dominant cover)

[ ]	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	_____

SECOND VISIT-Fate

Date 6/25/93

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



Notes Probably still laying. Nest is approx 150-200 yds North of electric fence, and about 35 ft East of ditch.

6/25 Nest has obviously been predated. All eggs were in nest with holes pecked into one end of each.

Unit # 17
Transect # 81
Nest # 110 is located
25 ft — in
- [ ] North
- [x] South

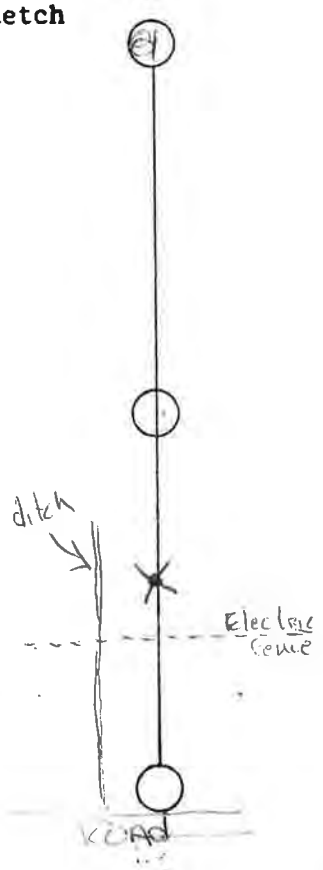
of flag and
4 ft 9 in
- [ ] East
- [x] West

of Transect line

Grazing Cell #_____

Paddock #_____

Location Sketch



Compute Mayfield

	Species AOU	5/19	Initiation date
0	# eggs hatched	6/22	Est. hatch date
0	# eggs remain	—	Exposure days
L	age when found		

FIELD FORM
Waterfowl Production Survey

Observer Brian Bachmann Date 5/21/93 Unit # 17 Transect # 85

FIRST VISIT

Species Redhead
Nest # 113
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

2 # eggs
— Inc. stage
— # parasitic eggs

Dist. to standing H_2O Above ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

- [ ] 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 _____

SECOND VISIT-Fate

Date 6/25/93

(check one)
- [x] Hatch
  - 2 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [x] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes This MAY be a Ruddy? located in last patch of willows before you hit the big ponds you're heading West

Location Sketch

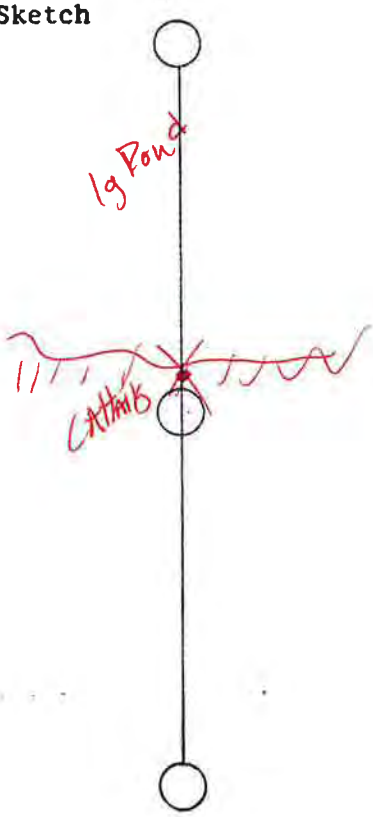
Unit # _____
Transect # _____
Nest # _____ is located
25 ft in
- [ ] North
- [x] South

of flag and
3 ft in
- [ ] East
- [x] West

of Transect line

Grazing Cell # _____

Paddock # _____



Compute Mayfield

—	Species AOU	5/19	Initiation date
2	# eggs hatched	6/23	Est. hatch date
0	# eggs remain	.	Exposure days
2	age when found		

Waterfowl Production Survey

Observer Bechauer Date 6/25/93 Unit # 17 Transect # 81

FIRST VISIT

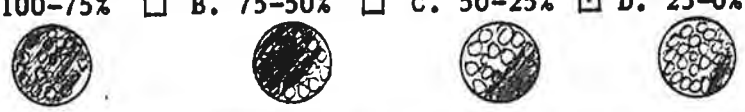
Species Mallard
Nest # 125
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

9 # eggs
21 Inc. stage
— # parasitic eggs

Dist. to standing H_2O Above

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [x] Tla Cattail
- [x] Sva Bullrush
- [ ] Other

SECOND VISIT-Fate

Date 7/30/93

(check one)
- [x] Hatch
  - 5 # egg hatch
  - 4 # egg remain
- [x] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other



Notes Nest is woven into the Reeds Above the water. It is located in the small patch of Cattails that lies in the middle of the bullrush. possibly a marsh hawk nest nearby I can't locate it, Reeds too thick.

Flagged with Ribbon 35 feet south of nest

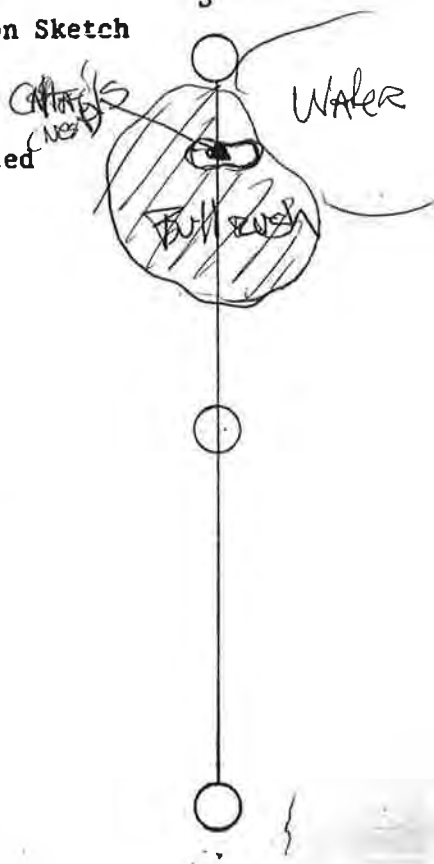
7/30 All but four eggs hatched, these four came to full term, but for some reason did not hatch completely. Either the hen abandoned them, or they were predated while hatching.

Location Sketch

Unit # 17
Transect # 81
Nest # 125 is located
35 ft in [x] North [ ] South
of flag and
0 ft 0 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		

6/30

Waterfowl Production Survey

Observer Rechaver Date 6/24/93 Unit # 17 Transect # 73

FIRST VISIT

Species Mallard
Nest # 123
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

11 # eggs
Fresh Inc. stage
___ # parasitic eggs

Dist. to standing H_2O Above ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] 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 _____

SECOND VISIT-Fate

Date 7/30/93

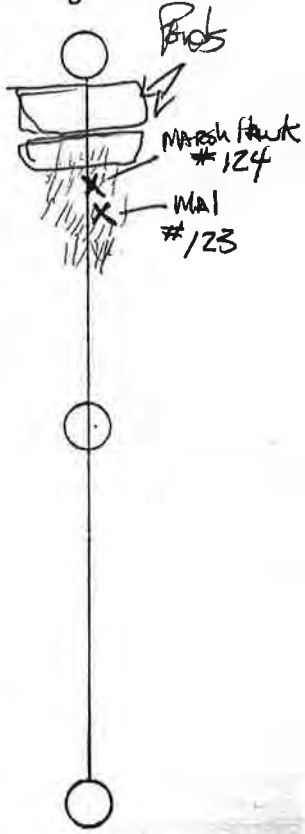
(check one)
- [x] Hatch
  - 10 # egg hatch
  - 1 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [x] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes barely in transect, Just South of Hawk nest # 124

7/30 All Eggs hatched but one - this is Excellent nesting cover, And apparently contains a lot of nests, All membranes still in nest, All detached.

Location Sketch



Unit # 17
Transect # 73
Nest # 123 is located
25 ft - in
- [ ] North
- [x] South

of flag and
8 ft 1/4 in
- [x] East
- [ ] West

of Transect line

Grazing Cell #_____

Paddock #_____

7/20

Compute Mayfield

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

Waterfowl Production Survey

Observer BUCHANER Date 6/24/93 Unit # 17 Transect # 73

FIRST VISIT

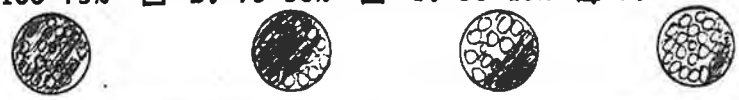
Species Marsh Hawk
Nest # 124
Status (check one)
- ☑ Active
- ☐ Hatched
- ☐ Abandoned
- ☐ Destroyed

3 # eggs
— Inc. stage
— # parasitic eggs

Dist. to standing H_2O ~~None~~ Ft

Soil Surface (check one)
- ☐ Dry
- ☐ Moist
- ☑ Flooded

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



COVER TYPE

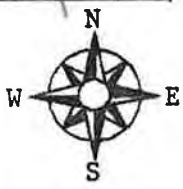
(circle dominant cover)

- ☐ 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 _____

SECOND VISIT-Fate

Date 7/30/93

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



Notes Only 25 ft from previous nest.

Unit # 17
Transect # 73
Nest # 124 is located
30 ft in
- ☐ North
- ☑ South

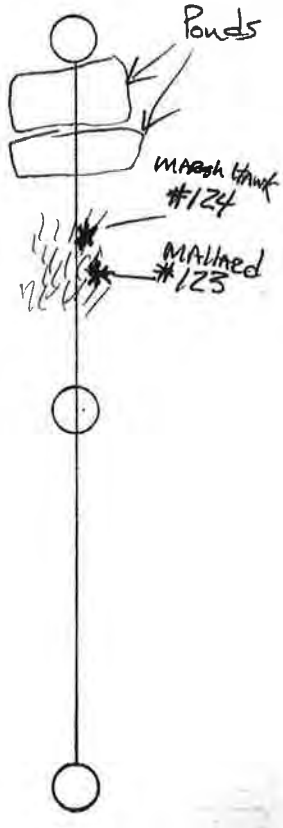
of flag and
2 ft — in
- ☑ East
- ☐ West

of Transect line

Grazing Cell #____

Paddock #_____

Location Sketch



Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/17/93 Unit # 18 Transect # 105

FIRST VISIT

Species Ma
Nest # 202
Status (check one)
- [x] Active
- [x] ~~Hatched~~
- [ ] Abandoned
- [ ] Destroyed
- [x] piping

Status changed Apr 03

8 # eggs
Hatchlings Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 10ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist to flooded
- [ ] Flooded

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






COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 5/17/93

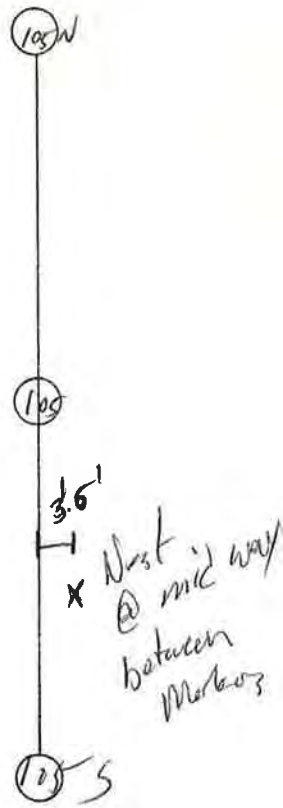
(check one)
- [x] Hatch
  - 4 # egg hatch
  - 4/8 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____

N W E S

Notes Nest 3.5' E of transect line
4 hatched 4 to go
Newborn in Nest

Unit # 18
Transect # 105
Nest # 202 is located
25 ft in [ ] North [x] South of flag and
ft in [ ] East [ ] West of Transect line
Grazing Cell # ___
Paddock # ___

Location Sketch



Compute Mayfield

___	Species AOU	4/3	Initiation date
8	# eggs hatched	5/31	Est. hatch date
0	# eggs remain	.	Exposure days
34	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R. Cavein Date 5/17/93 Unit # 18 Transect # 105

FIRST VISIT

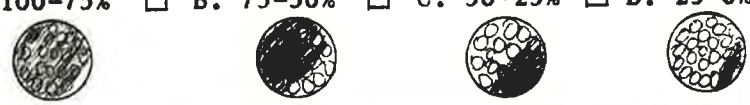
Species Coot
Nest # 203
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

3 # eggs
— Inc. stage
— # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

[ ]	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
[x]	Sva	Bullrush
[ ]	Other	

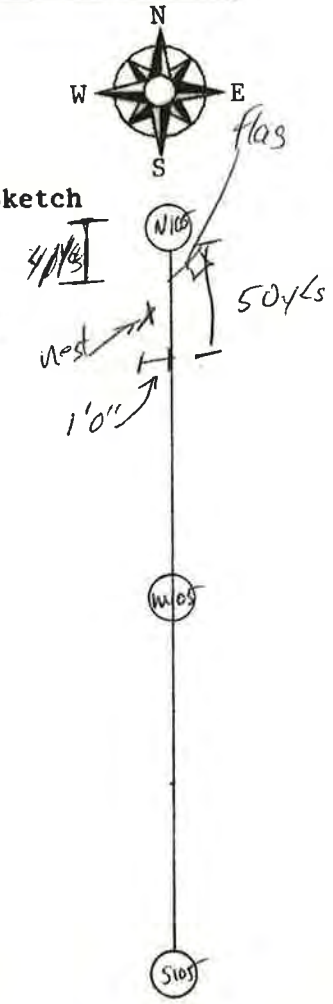
SECOND VISIT-Fate

Date 8/21/93

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

Notes Nest flagged w/ Ribbon on Bullrush Stalks

Location Sketch



Unit # 18
Transect # 105
Nest # 203 is located
25 ft in [x] North [ ] South
of flag and
1 ft 0 in [ ] East [x] 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		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/17/93 Unit # 18 Transect # 107

FIRST VISIT

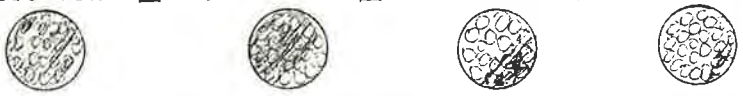
Species Coot
Nest # 201
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

5 # eggs
- Inc. stage
- # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] 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
- [x] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 6/21/93

(check one)
- [x] Hatch
  - 5 # egg hatch
  - 0 # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes Nest Flagged w/ Ribbon on Cattail Stalk

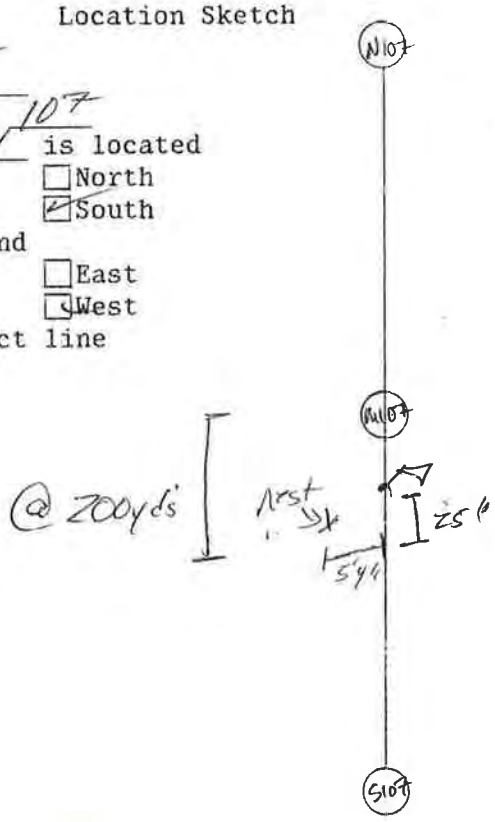
5 feet 4 inches W. of Center

Location Sketch

Unit # 18
Transcript # 107
Nest # 201 is located
25 ft in
- [ ] North
- [x] South

of flag and
5 ft 6 in
- [ ] East
- [x] West

of Transect line



Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/18/93 Unit # 18 Transect # 10 101

FIRST VISIT

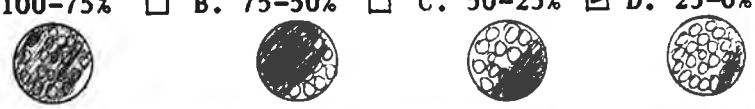
Species Bwt
Nest # 206
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

1 # eggs
Laying Inc. stage
— # parasitic eggs

Dist. to standing H_2O 300 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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

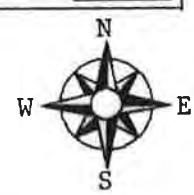


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 6/22/93

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

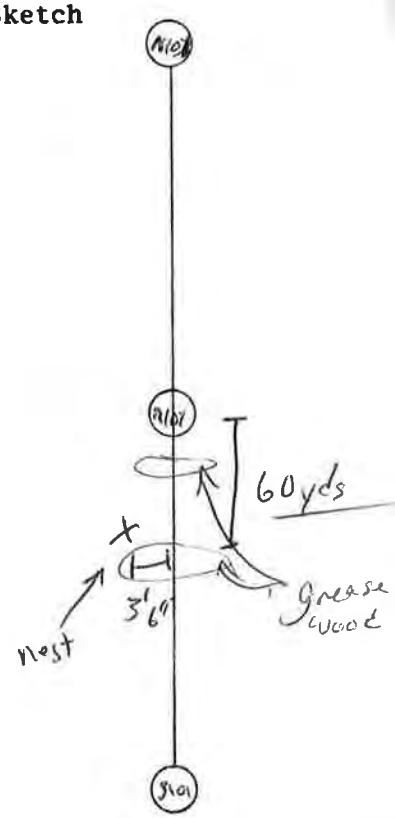


Notes
No hen flushed from nest (egg very cold)
2-bowls scratched out egg is in W. Bowl
May be abandoned

* 6/22/93 - Nest had lots of down which it did not have on 1st visit.

Location Sketch

Unit # 18
Transect # 10
Nest # 206 is located
25 ft in [ ] North [x] South
of flag and
3 ft 6 in [ ] East [x] West
of Transect line
Grazing Cell # ___
Paddock # ___



Compute Mayfield

___	Species AOU	5/17	Initiation date
0	# eggs hatched	6/20	Est. hatch date
0	# eggs remain	.	Exposure days
1	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R. Genaie Date 5/18/93 Unit # 18 Transect # 103

FIRST VISIT

Species Coot
Nest # 205
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

- [ ] 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
- [x] T1a Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 6/20/93

(check one)

- [x] Hatch
  - 6 # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [x] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____

N
W E
S

Notes
Flagged w/ Ribbon approx 10' N of Nest

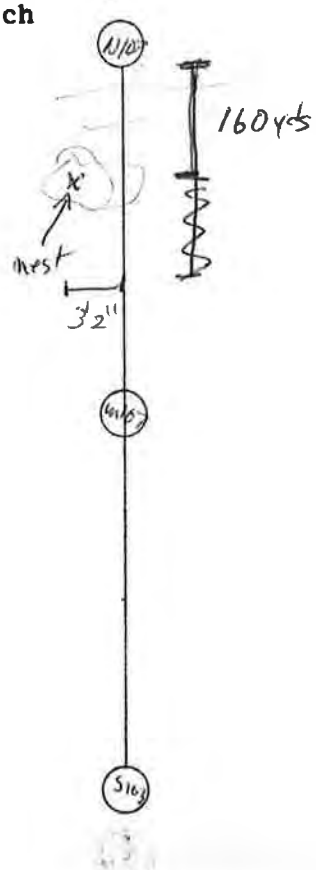
Location Sketch

Unit # 18
Transect # 103
Nest # 205 is located
~~20~~ ft in
- [ ] North
- [x] South

of flag and
3 ft 2 in
- [ ] East
- [x] West

of Transect line

Grazing Cell # ___
Paddock # ___



Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Cavreia Date 5/18/93 Unit # 18 Transect # 101

FIRST VISIT

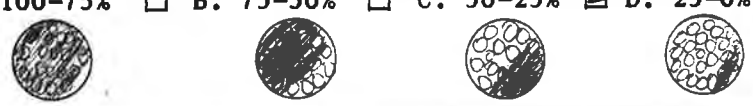
Species Short-eared owl
Nest # 207
Status (check one)
- [x] Active/Hatched
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

5 # ~~eggs~~/young
— Inc. stage
— # parasitic eggs

Dist. to standing H_2O 300 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



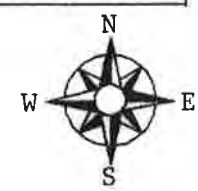
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 5/18/93

(check one)
- [x] ~~Hatch~~
  - 5 # egg hatch
  - — # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes 5 - little owls sitting in presumed nest. w/ 2 dead mice and a dead mole.

I presume these are from the S-E Owl I saw earlier that was barking at me.

Nest has same flag as Nest 206

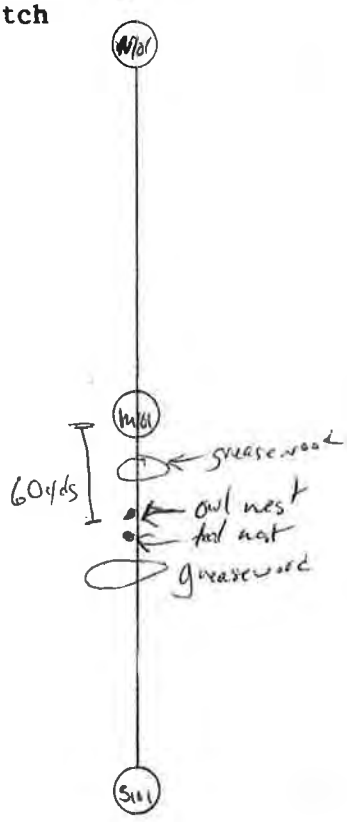
Location Sketch

Unit # 18
Transect # 101
Nest # 207 is located
15 ft in
- [ ] North
- [x] South

of flag and
0 ft 6 in
- [ ] East
- [x] 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		

Waterfowl Production Survey

Observer R. Gavin Date 5/19/93 Unit # 18 Transect # 93

FIRST VISIT

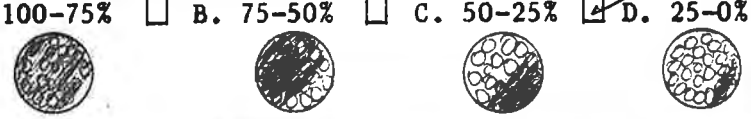
Species ~~214~~ Unk (ma)
Nest # 214
Status (check one)
- [ ] Active
- [ ] Hatched
- [ ] Abandoned
- [x] Destroyed

— # eggs
— Inc. stage
— # parasitic eggs

Dist. to standing H_2O 1 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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

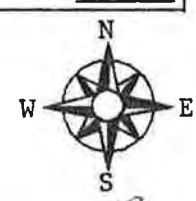


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 5/19/93

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

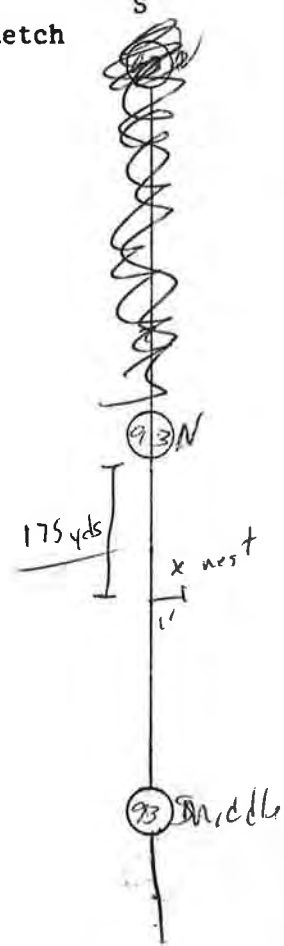


Notes Nest not Flagged Orange Ribbon Mixed in Bowl.

Location Sketch

Unit # 18
Transect # 93
Nest # 214 is located
25 ft in [ ] North [x] South
of flag and
1 ft 0 in [x] 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		

Waterfowl Production Survey

Observer R. Garcia Date 5/19/93 Unit # 18 Transect # 95

FIRST VISIT

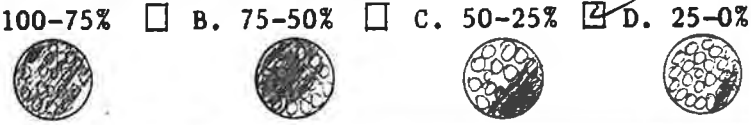
Species ~~215~~ Mallard
Nest # 215
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

8 # eggs
3 days Inc. stage
— # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



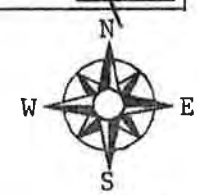
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 6/23/93

(check one)
- [x] Hatch
  - 8 # egg hatch
  - — # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other

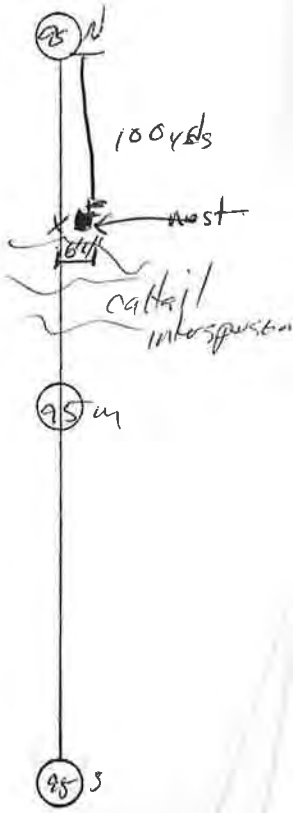


Notes Nest is approx 100 yds S. of N95 marker where transect hits cattail interspersion.
Flag 25' North on T.

Location Sketch

Unit # 18
Transect # 95
Nest # 215 is located
25 ft 0 in [ ] North [x] South
of flag and
6 ft 4 in [x] East [ ] West
of Transect line

Grazing Cell # ____
Paddock # ____



Compute Mayfield

	Species AOU	5/8	Initiation date
8	# eggs hatched	6/11	Est. hatch date
0	# eggs remain	.	Exposure days
11	age when found		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 5/19/93 Unit # 18 Transect # 89

FIRST VISIT

Species Unk
Nest # 218
Status (check one)
- ☐ Active
- ☐ Hatched
- ☐ Abandoned
- ☑ ~~Destroyed~~

___ # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 2 ft

Soil Surface (check one)
- ☐ Dry
- ☑ ~~Moist~~
- ☐ Flooded

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



COVER TYPE
(circle dominant cover)
- ☐ 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 _____

SECOND VISIT-Fate

Date 5/19/93

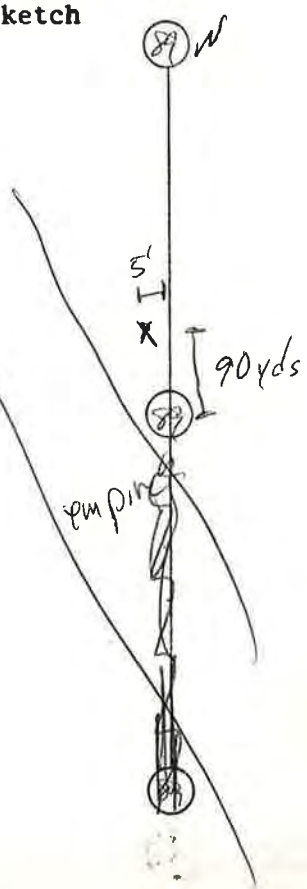
(check one)
- ☐ Hatch
  - ___ # egg hatch
  - ___ # egg remain
- ☐ Abandoned
- ☐ Flooded
- ☑ ~~Destroyed~~
  - ☐ Raven/magpie
  - ☐ Skunk
  - ☐ Raccoon
  - ☑ ~~Coyote~~
  - ☐ Unknown
  - ☐ Other _____

N
W E
S

Notes Ribbon mixed in bowl

Location Sketch

Unit # 18
Transect # 89
Nest # 218 is located
25 ft in ☐ North ☐ South of flag and
5 ft 0 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		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/21/93 Unit # 18 Transect # 105 5/2

FIRST VISIT

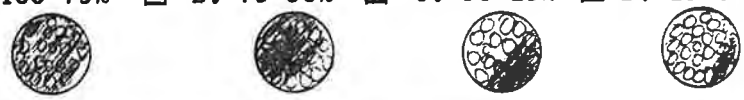
Species Burt/Cinn?
Nest # 235
Status (check one)
- [ ] Active
- [ ] Hatched
- [ ] Abandoned
- [x] Destroyed

___ # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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

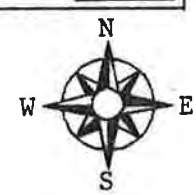


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 6/21/93

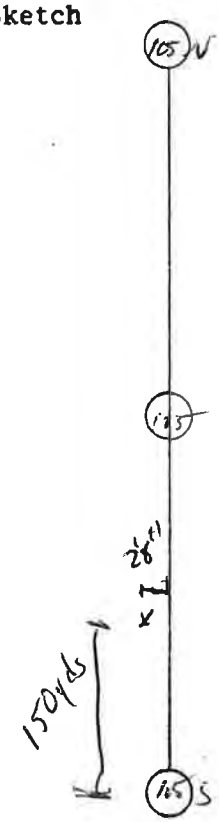
(check one)
- [ ] Hatch
  - ___ # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [x] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [x] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes Nest not flagged

Location Sketch

Unit # 18
Transect # 105 5/2
Nest # 235 is located
~~25 ft in~~ [ ] North
[ ] South
of flag and
2 ft 6 in [ ] East
[x] 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		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/21/93 Unit # 18 Transect # 107 S/2

FIRST VISIT

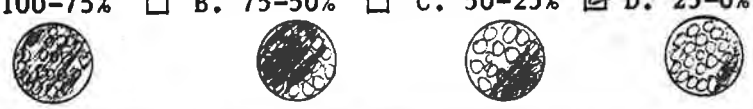
Species Mallard
Nest # 334
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

11 # eggs
21 Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



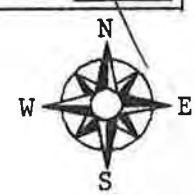
COVER TYPE
(circle dominant cover)

[ ]	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
[x]	Tla	Cattail
[ ]	Sva	Bullrush
[ ]	Other	___

SECOND VISIT-Fate

Date 8/2/93

(check one)
- [x] Hatch
  All # egg hatch
  ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___

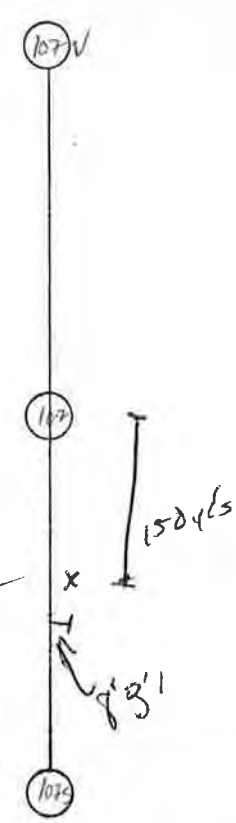


Notes
* Should be able to see Ribbon from Bowen drain Road

Location Sketch

Unit # 18
Transect # 107 S/2
Nest # 334 is located
~~25 ft in~~ [ ] North
[x] South
of flag and
8 ft 3 in [x] East
[x] West
of Transect line
Grazing Cell # ___
Paddock # ___

* Nest flagged w/Ribbon approx 9' N of Nest



6/26

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/24/93 Unit # 18 Transect # 103 N/2

FIRST VISIT

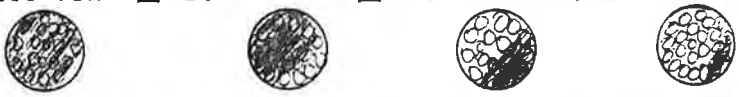
Species Coot
Nest # 238
Status (check one)
- ☑ Active
- ☐ Hatched
- ☐ Abandoned
- ☐ Destroyed

8 # eggs 1 live young
? Inc. stage
— # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- ☐ Dry
- ☐ Moist
- ☑ Flooded

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



COVER TYPE
(circle dominant cover)
- ☐ 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 _____

SECOND VISIT-Fate

Date 8/24/93

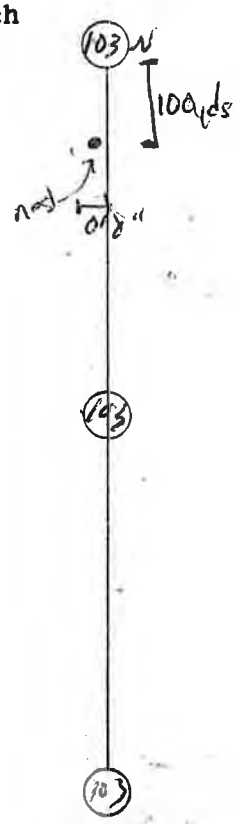
(check one)
- ☑ Hatch
  - 7/8 # egg hatch
  - 1 # egg remain
- ☐ Abandoned
- ☐ Flooded
- ☐ Destroyed
  - ☐ Raven/magpie
  - ☐ Skunk
  - ☐ Raccoon
  - ☐ Coyote
  - ☐ Unknown
  - ☐ Other _____

N
W E
S

Notes _____

Location Sketch

Unit # 18
Transect # 103 N/2
Nest # 238 is located
25 ft 0 in ☐ North ☑ South
of flag and
0 ft 8 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		

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/22/93 Unit # 18 Transect # T97 N/2

FIRST VISIT

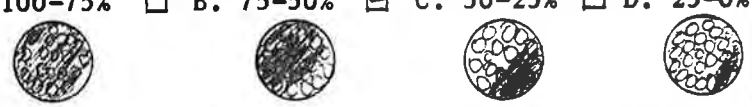
Species Cardwall
Nest # 240
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

10 # eggs
1 day Inc. stage
— # parasitic eggs

Dist. to standing H_2O 30ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



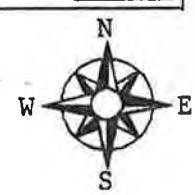
COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/12/93

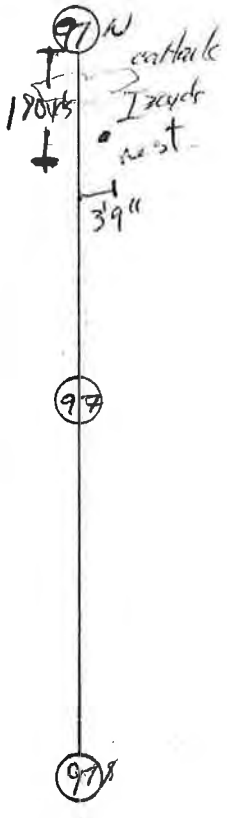
(check one)
- [x] Hatch
  - # egg hatch
  - # egg remain
- [ ] Abandoned
- [x] Flooded
- [x] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [x] Coyote
  - [ ] Unknown
  - [ ] Other



Notes Nest in Baltic Rush @ 30 yds S. of Only Cattails on transect lots of down in nest

Location Sketch

Unit # 18
Transect # T97 N/2
Nest # 240 is located
25ft 0 in [ ] North [x] South
of flag and
3ft 9 in [x] East [ ] West
of Transect line
Grazing Cell #
Paddock #



7/16

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/23/93 Unit # 18 Transect # 95 N/2

2 Seo
1 Swainsons

FIRST VISIT

Species Bobwhite
Nest # 243
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

6 # eggs
laying Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 45 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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






COVER TYPE
(circle dominant cover)

- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [x] Other w/whitetop interspersed

SECOND VISIT-Fate

Date 8/12/93

(check one)

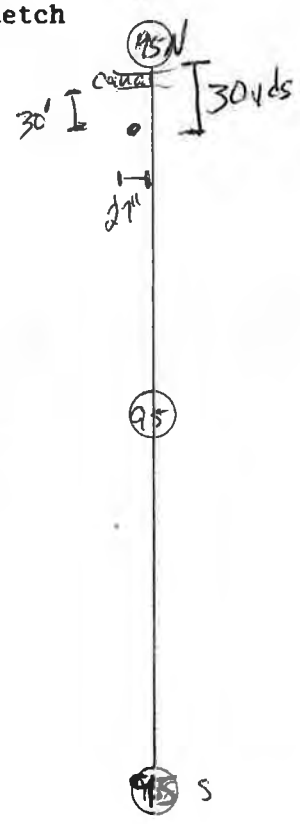
- [x] Hatch
  - 8 # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___



Notes ___

4
12

Location Sketch



Unit # 18
Transect # 95 N/2
Nest # 243 is located
25 ft 6 in
- [ ] North
- [x] South

of flag and
2 ft 7 in
- [ ] East
- [x] West

of Transect line

Grazing Cell # ___
Paddock # ___

7/22

Compute Mayfield

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

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia Date 6/23/83 Unit # 18 Transect # 89

FIRST VISIT

Species Mallard
Nest # 254
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

10 # eggs
19 Inc. stage
— # parasitic eggs

Dist. to standing H_2O 0 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)

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

SECOND VISIT-Fate

Date 8/12/83

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



Notes * Hen did not flush nest found partially covered eggs very warm

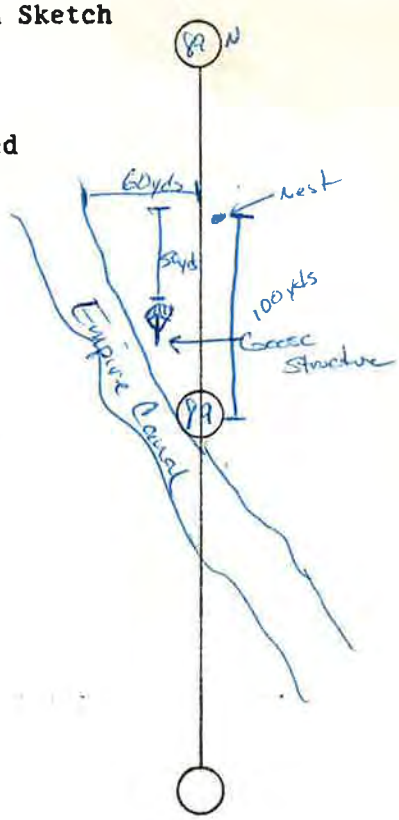
Location Sketch

Unit # 18
Transect # 89
Nest # 254 is located
25ft 0 in
- [ ] North
- [x] South

of flag and
8ft 3 in
- [x] 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		

6/30

Waterfowl Production Survey

Random point Transect map

Observer Berlinger Date 6/22/93 Unit # 20 Transect # 21

FIRST VISIT

Species Mallard

Nest # ~~301~~ 501

Status (check one)
- ☐ Active
- ☐ Hatched
- ☐ Abandoned
- ☒ Destroyed

6 # eggs Left
___ Inc. stage 2
___ # parasitic eggs

Dist. to standing H_2O ~~300~~ ft

Soil Surface (check one)
- ☐ Dry
- ☒ Moist
- ☐ Flooded

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



COVER TYPE

(circle dominant cover)

- ☐ 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 ___

SECOND VISIT-Fate

Date 6/22/93

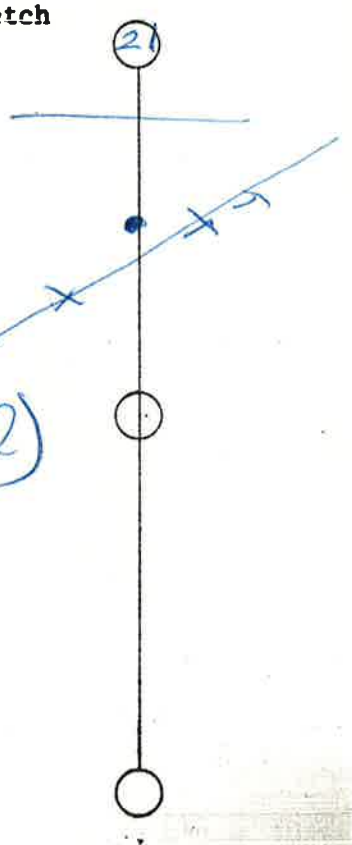
(check one)
- ☐ Hatch
  - ___ # egg hatch
  - ___ # egg remain
- ☐ Abandoned
- ☐ Flooded
- ☑ Destroyed
  - ☑ Raven/magpie
  - ☐ Skunk
  - ☐ Raccoon
  - ☐ Coyote
  - ☐ Unknown
  - ☐ Other ___



Notes

Raven Predatory

Location Sketch



Unit # 20
Transect # 21
Nest # — is located
25ft in ☐ North ☐ South
of flag and
ft in ☐ East ☐ West
of Transect line
Grazing Cell # Ziegler
Paddock # 4 (Rested)

Compute Mayfield

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

1/18

FIELD FORM
Waterfowl Production Survey

Observer R. Garcia **Date** 5 13 93 **Unit #** 24 **Transect #** 121

FIRST VISIT

Species But/Can
Nest # 232
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

10 # eggs
fresh Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 1 ft

Soil Surface (check one)
- [ ] Dry
- [ ] Moist
- [x] Flooded

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



COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [ ] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [x] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 6 29 93

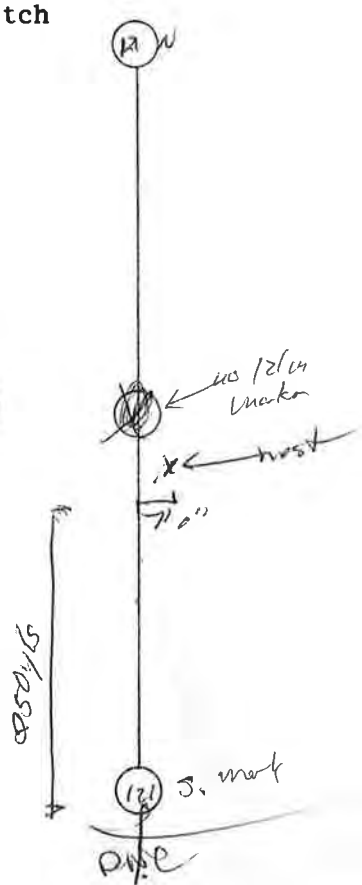
(check one)
- [x] Hatch
  - 10 # egg hatch
  - ___ # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [x] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____



Notes
Nest under dense semi-matted Baltic rush.
Flag is @ 35 yds S of where Mid-marker 121 would be.

Location Sketch

Unit # 24
Transect # 121
Nest # 232 is located
25 ft 0 in [ ] North [x] South
of flag and
7 ft 0 in [x] East [ ] West
of Transect line
Grazing Cell #
Paddock #



Compute Mayfield

	Species AOU	5/13	Initiation date
10	# eggs hatched	6/16	Est. hatch date
0	# eggs remain	.	Exposure days
10	age when found		

Waterfowl Production Survey

Observer BECHAVER Date 6/28/93 Unit # 24 Transect # 119

FIRST VISIT

Species Teal
Nest # 127
Status (check one)
- [ ] Active
- [x] Hatched
- [ ] Abandoned
- [ ] Destroyed

4 # eggs
___ Inc. stage
___ # parasitic eggs

Dist. to standing H_2O 50 ft

Soil Surface (check one)
- [x] Dry
- [ ] Moist
- [ ] Flooded

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

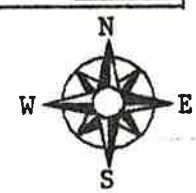


COVER TYPE
(circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [x] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [ ] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other ___

SECOND VISIT-Fate

Date 6/28/93

(check one)
- [x] Hatch
  - 4+ # egg hatch
  - — # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other ___



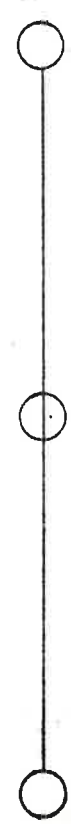
Notes 2 ft west of Transect, this years nest but not recorded in may walk. 4 membranes found in nest so it was successful not flagged

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		

7/22

Waterfowl Production Survey

Observer BECHAVER Date 6/18/93 Unit # 24 Transect # 117

FIRST VISIT

Species Teal
Nest # 126
Status (check one)
- [x] Active
- [ ] Hatched
- [ ] Abandoned
- [ ] Destroyed

8 # eggs
15 Inc. stage
— # parasitic eggs

Dist. to standing H_2O 20 ft

Soil Surface (check one)
- [ ] Dry
- [x] Moist
- [ ] Flooded

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



COVER TYPE (circle dominant cover)
- [ ] Sx Willow
- [ ] Sve Greasewood
- [ ] Crx Rabbit brush
- [ ] Dst Salt grass
- [x] Gx Grass species
- [ ] MoF Sweetclover
- [ ] Wx Weed species
- [ ] Jba Baltic rush
- [ ] Cx Sedge
- [ ] Ex Spikerush
- [ ] Tla Cattail
- [ ] Sva Bullrush
- [ ] Other _____

SECOND VISIT-Fate

Date 8/2/93

(check one)
- [x] Hatch
  - 8 # egg hatch
  - — # egg remain
- [ ] Abandoned
- [ ] Flooded
- [ ] Destroyed
  - [ ] Raven/magpie
  - [ ] Skunk
  - [ ] Raccoon
  - [ ] Coyote
  - [ ] Unknown
  - [ ] Other _____

Notes Approx 100 yds North of dike, About 10 yds North of where middle transect marker should be. (No marker) in thick bed of wire grass

8/2 All membranes inside west, All Eggs hatched, west successful.

Unit # 24
Transect # 117
Nest # 126 is located
25 ft — in
- [ ] North
- [x] South

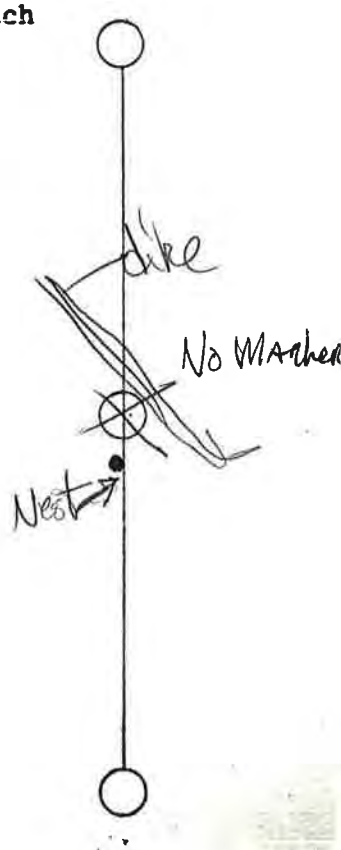
of flag and
3 ft in
- [x] East
- [ ] West

of Transect line

Grazing Cell #____

Paddock #____

Location Sketch



Compute Mayfield

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

7/7

Field Notes

Mean age at hatching
of all usable nests ~~40~~

	May			June	
Mallard	𝍸 𝍸 ||||	(14) x 35 = 490		𝍸 𝍸 𝍸 |||	(18) x 35 = 630
Gadwall	|	(1) x 35 = 35		𝍸 𝍸	(15) x 35 = 525
Bwt/Cin	𝍸 ||||	(9) x 34 306		||||	(4) x 34 = 136
Pintail	|	(1) x 32 = 32		|	(1) x 32 = 32
Gwt	|	(1) x 33 = 33			–
Shvlr	|	(1) x 34 = 34		|	(1) x 34 = 34
Redhead	|	(1) x 35 = 35	Ruddy	||	(2) x 35 = 70
		28 nests | 965			41 | 1427

= 34.46 Average age at hatching

34.8 = Average age at Hatching

(28 + 41) \| (965 + 1427)

69 \| 2392

34.6 mean age at Hatching

May Mean Age when found 8.63 (~~27~~ nests)
June Mean Age When Found 18.17 (42 nests)

NR= Not Relocated

140 - 5/20

171 = 6/20

Monte Vista National Wildlife Refuge
Duck Nest Transect Survey
Summary 19 93

May Walk ✓ June Walk ____

Nest #	Unit	Species	Found Status	# of Eggs	Inc. Stage	Age Found (Initiation date / Age Found)	Fate Date (Est Hatch date)	Nest Fate	Exp. Days
226	1	Bwt/Cinn	Active	10	4 days	128 14 142	173 162	D/skunk	10
404	1	Bwt/Cinn	Active	8	4	127 12 139	173 167	? NR	—
405	1	Bwt/Cinn	Active	7	4	128 11 139	173 159	D/ Raccoon	10
231	2	Mallard	Active	1	fresh	141 1 142	175 176	D/coyote	17
204	3	Mallard	Active	10	8	119 18 137	172 155	H/10	18
211	3	Mallard	Active	9	17	112 26 138	173 147	H/9	9
212	3	Mallard	Destroyed	8	—	— 138	138 164	D/Raven	—
220	3	Pintail	Active	7	fresh	132 7 139	174 159	D/weasil	12.5
222	3	Bwt/Cinn	Active	10	9	121 19 140	175 155	D/Coyote	7.5
400	6	Bwt/Cinn	Abandoned	4	—	— 138	138 —	F	—
401	6	Mallard	Active	3	fresh	135 3 138	172 170	D/Coyote	16
225	7	Mallard	Destroyed	?	?	— ? 142	142 —	D/Skunk	—
402	7	Greenwing	Active	6	fresh	132 6 138	173 165	H/6+	33
403	7	Bwt/Cinn	Active	10	4	125 14 139	173 159	D/skunk	10
230	8	Gadwall	Active	7	fresh	135 7 142	175 170	D/Raven sheep	14
208	9	Mallard	Destroyed	?	?	— ? 138	138 —	D/Raven	—
* 209	9	Shoveler	Active	1	fresh	137 1 138	215 171	H/11	33
210	9	Mallard	Active	9	20	109 29 138	173 142	H/9	4
212	9	Mallard	Hatched	6+	?	— Term 139	139	H/6+	
213	9	Mallard	Active	3	fresh	136 3 139	174 171	D/Raven	16
216	9	Mallard	Active	3	fresh	136 3 139	174 171	H/7	32
217	9	Bwt/Cinn	Active	9	fresh	137 9 139	174 164	D/Raven	12.5
219	9	Mallard	Destroyed	7	?	— ? 139	139 165	D/Raven	—
223	9	Gadwall	Abandoned	1	?	— ? 140	140 165	Aband.	—
224	9	Mallard	Active	9	4	127 13 140	175 162	H/9	22
300	10	Bwt/Cinn	Abandoned	4	?	— ? 138	138 162	F	—
114	14	Mallard	Active	1	fresh	141 1 142	172 170	D/Raven	17
103	16	Mallard	Active	1	fresh	139 1 140	175 174	Ab	17
104	16	Bwt/Cinn	Active	3	fresh	137 3 140	—	? NR	—
106	17	Mallard	Active	5	fresh	135 5 140	175 170	D/Raven	15
107	17	Mallard	Active	5	fresh	135 5 140	175 170	D/unk	15
109	17	Bwt/Cinn	Active	10	1	137 11 141	176 165	H/8+	24
TOTAL THIS PAGE	32 Nests	22 usable / 10 not			19 Dest	2 Ab	2 NR	8 Hatched	390.5

Monte Vista National Wildlife Refuge
Duck Nest Transect Survey
Summary 19 93

May Walk ✓ June Walk _____

Nest #	Unit	Species	Found Status	# of Eggs	Inc. Stage	Age Found	Fate Date	Nest Fate	Exp. Days
110	17	Bwt/Cinn	Active	2	fresh	139 2 141	176	D/Raven	16
113	17	Redhead	Active	2	fresh	139 2 141	176	H/10	33
202	18	Mallard	Active	8	23	106 31 137	177	H/8	0
206	18	Bwt/Cinn	Active	1	fresh	137 1 138	173	D/Coyote	16.5
214	18	Unk	Destroyed	?	?	? 139	139	D/Racc.	—
215	18	Mallard	Active	8	3	128 11 139	174	H/8	23
218	18	Unk	Destroyed	?	?	? 139	139	D/Coyote	—
232	04	Bwt/Cinn	Active	10	fresh	133 10 143	180	H/10	24

August 20, 1993

MEMORANDUM

TO: Refuge Files and Steve Berlinger, Refuge Manager, Alamosa-Monte Vista NWR

FROM: R. Garcia, Wildlife Biologist, Alamosa-Monte Vista NWR

SUBJECT: Duck Production on the Monte Vista NWR

CC: R. Schnaderbeck, Alamosa
J. Cornely, Denver

The following summary of 1993 duck production on the Monte Vista NWR (MVNWR) is fashioned from similar summaries by A. Morkill, in previous years.

In 1993 a total of 93 nests were located on the transects which sample approximately 2.9% of the entire refuge. The total number of nests located represents a decline of 40% from the past 28 year average of 160 nests located. However, when comparing the 1993 data to that of past years (1981-1985 and 1988-1992) when equal acreages (337) were sampled, then it only represents a decline of 21% from the average of 117 nests located. Fate determinations were made for 90 nests, the remaining 3 nests could not be relocated and therefore are excluded from analysis.

Nest density

Having sampled 337 acres and finding 93 nests, nest density 0.276 nests/acre, or 176.6 nests/ mi^2. Nest density decreased 20% from the past 28-yr average of 0.34 nests/acre (221 nests/mi^2). See attached map for distribution of nests found on MVWNR.

Nest Success

Apparent nest success (successful nests/total nests of known fate) was 52% in 1993, representing a 8% increase in the past 28-yr (1964-92) average of 47.9% (range 23-77). Mayfield nest success was calculated at 43%, using 68 (usable) nest records. This excluded 25 nests from the original 93 because, 3 were not relocated, and 22 were found already terminated.

Nests on the transect that were not successful consisted of 36 (84%) destroyed by predators, 5 (12%) abandoned, and 2 (5%) flooded, although it is likely that some of the predated nests had also been flooded before predation occurred. In 1993 (for the 3rd consecutive year) the number of unsuccessful nests due to predation has been the greatest recorded in transect history, representing a 66% increase from the past 28 year average of 28.9%.

Predator destroyed nests consisted of 17(47%) by raven, 7(19%) by coyote, 4(11%) by skunk, 4(11%) by raccoon, 1(3%) by weasel and 3(8%) were destroyed by unknown predators. This is typical of those years in the past with more intensive predator control efforts carried out, in that the harder to control avian predators are accountable for the majority of the destroyed nests.

The number of unsuccessful nests due to flooding (5%) decreased dramatically from 1992 when flooding was accountable for 14% of unsuccessful nests. The 1993 figure is right on line with the past 28-yr average of 5%.

The number of unsuccessful nests due to abandonment was slightly higher at 12% than the past 28-yr average of 11%.

Species Composition

Species composition of nesting ducks on MVNWR consisted of 45% mallard, 25% teal sp., 2% pintail, 20% gadwall, 2% shoveler, 1% redhead, 2% ruddy, and 2% unknown. In comparison to the past 28-yr average mallards were (-25%), teal sp.(+47%), pintail (-81%), gadwall (+150%), shoveler and redhead were similar to the past average.

Nesting Cover

Nesting cover selected by ducks was similar to previous years with 70% in baltic rush, 14% in grasses, 5% in cattails, 4% in weeds, and 2% in each of sedges, bulrush, and greasewood. The biggest change was in greasewood which contained 2% of the total nests, as compared to the 28-yr average of 15%.

Overall Production

Estimated annual production on the refuge is calculated based on data from transects as well as brood surveys. In 1993 93 nests were found in the 337 acres that were sampled. There are approximately 11,727 acres of the refuge that are available as nesting habitat. Given this there were approximately 3,236 duck nests on the refuge in 1993. With apparent success at 52%, there were an estimated 1,683 successful nests. The average brood size of class IIc and III broods observed during July and August was 6.2 young/brood. Multiplying average brood size (class IIc and III) by estimated number of successful nests yields approximately 10,434 ducks produced to flight stage.

SUMMARY

1993 - 10,434 ducks produced to flight stage. (23.55% hatchling to fledgling loss) = 13,649 hatchlings / average clutch size of 8.11 = 1,683 successful nests, which is 52% of the 3,236 total nests x 2 breeding ducks per nest = 6,472 breeding ducks on the refuge.

APPARENT NEST SUCCESS, NEST DENSITY AND NUMBER OF DUCKS PRODUCED ANNUALLY ON MONTE VISTA NWR 1964-1993

YEAR	PERCENT NEST SUCCESS	* AVG. DENSITY	# DUCKS PRODUCED
1964	55 (55)	258 (258)	13,976 (13,976)
1965	56 (56)	210 (234)	15,101 (14,539)
1966	77 (63)	257 (242)	22,888 (17,321)
1967	62 (63)	241 (242)	20,133 (18,025)
1968	54 (61)	312 (256)	18,120 (18,044)
1969	62 (61)	297 (263)	24,247 (19,078)
1970	48 (59)	296 (267)	19,536 (19,143)
1971	38 (57)	288 (270)	13,942 (18,493)
1972	48 (56)	173 (259)	12,299 (17,805)
1973	49 (55)	326 (266)	7,920 (16,816)
1974	32 (53)	149 (255)	5,274 (15,767)
1975	43 (52)	89 (242)	4,570 (14,834)
1976	39 (51)	130 (233)	2,849 (13,915)
** 1977	12 (48)	- -	1.123 (13,002)
1978	28 (47)	75 (222)	2,135 (12,277)
1979	42 (47)	72 (212)	5.681 (11.865)
1980	37 (46)	176 (209)	8,466 (11,665)
1981	42 (46)	198 (209)	12,600 (11,717)
1982	49 (46)	209 (209)	13,525 (11,812)
1983	48 (46)	217 (209)	13,511 (11,897)
1984	52 (46)	285 (213)	20,576 (12,310)
1985	65 (47)	289 (216)	18,078 (12,573)
1986	65 (48)	257 (218)	22,269 (12,994)
1987	65 (49)	342 (224)	26,584 (13,560)
1988	55 (49)	285 (226)	20,532 (13,839)
1989	58 (49)	247 (227)	17,243 (13,970)
1990	50 (49)	171 (225)	8,366 (13,762)
1991	23 (48)	148 (222)	3,732 (13,404)
1992	35 (48)	180 (221)	7,716 (13,208)
1993	52 (48)	177 (221)	10,434 (13,116)

* 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)

NUMBER OF NESTS FOUND ON TRANSECTS
ON A UNIT BASIS
1988 -1993

UNIT	1988	1989	1990	1991	1992	1993
1	2	1	1	3	7	5
2	2	1	0	1	3	2
3	23	23	3	16	16	11
4	3	14	5	6	5	1
5	1	0	0	0	0	0
6	10	4	4	3	1	6
7	13	19	8	6	8	3
8	9	5	10	2	6	6
9	32	7	37	22	20	25
10	8	3	4	5	5	3
11	1	2	2	1	2	3
14	4	1	0	1	1	2
15	2	10	0	2	2	1
16	7	10	4	0	3	4
17	11	2	2	3	3	7
18	11	17	4	3	5	10
19	1	4	0	1	1	0
20	4	1	1	2	1	1
21	5	3	1	1	1	0
22	2	1	1	0	0	0
23	0	1	1	0	0	0
24	7	4	2	0	5	3
TOTAL	158	133	90	78	95	93

Nest Success (All Nests)

2=NP
1=NR
3=NR

May $N_S = 13$ $N_U = 25$ Apparent Success = .342 or 34%

June $N_S = 34$ $N_U = 18$ Apparent Success = .653 or 65%

Overall $N_S = 47$ $N_U = 43$ Apparent Success = .522 or 52%

Mayfield Computation

Mayfield calculated for 88 Nests. ~~28~~ nests excluded from Mayfield because:

3 - not Relocated for fate determination

~~27~~ w/ fate determined on initial visit

May 18

$N = 27$

23 44 $N_S = 11$ $N_U = 16$

$E_i = 504$

$h = 34.46$ Apparent $P_1 = N_S/(N_S + N_U) = 11/11+16 = 11/27 = .407 = 41\%$

$F = 8.63$

Mayfield $\rightarrow$ $P_2 = (1 - N_U/E)^h = (1 - 16/504)^{34.46}$

$= (1 - .032)^{34.46}$

$= .968^{34.46} = .326$ or 33%

Shortcut $\rightarrow$

$P_3 = [P_1^{1/(h-f)}]^h = [.407^{1/(34.46-8.63)}]^{34.46}$

$= [.407^{1/25.83}]^{34.46}$

$= [.407^{.039}]^{34.46}$

$= .966^{34.46}$

$= .309$ or 30%

June Nests

$N = 41$

$N_S = 32$

$N_U = 9$

$E = 554$

$h = 34.80$

$f = 18.17$

Apparent $P_1 = N_S/(N_S+N_U) = 32/(32+9)$

$= 32/41$

$= .780$ or (78%)

Mayfield $P_2 = (1 - N_U/E)^h = (1 - 9/554)^{34.80}$

$= (1 - 0.016)^{34.80}$

$= .984^{34.80}$

$= .570$ or (57%)

Shortcut $P_3 = [P_1^{1/(h-f)}]^h = [.780^{1/(34.8-18.17)}]^{34.80}$

$= [.780^{1/16.63}]^{34.80}$

$= [.780^{.060}]^{34.80}$

$= .985^{34.80}$

$= .591$ or (59%)

1993 Overall (May + June) Nest Success

Nests total = 93

Nests Usable for Mayfield = 68

$N = 68$

$N_s = 43$

$N_u = 25$

$E = 1058$

$h = 34.665$

$f = 14.382$

Apparent $P_1 = N_s / (N_s + N_u) = 43/(43+25)$

$= 43/68$

$= .63$ or 63%

Mayfield $P_2 = (1 - N_u/E)^h = (1 - 25/1058)^{34.665}$

$= (1 - 0.024)^{34.665}$

$= .976^{34.665}$

$= .431$ or 43%

Shortcut $P_3 = [P_1^{1/(h-f)}]^h = [.63^{1/(34.665-14.382)}]^{34.665}$

$= [.63^{1/20.283}]^{34.665}$

$= [.63^{.049}]^{34.665}$

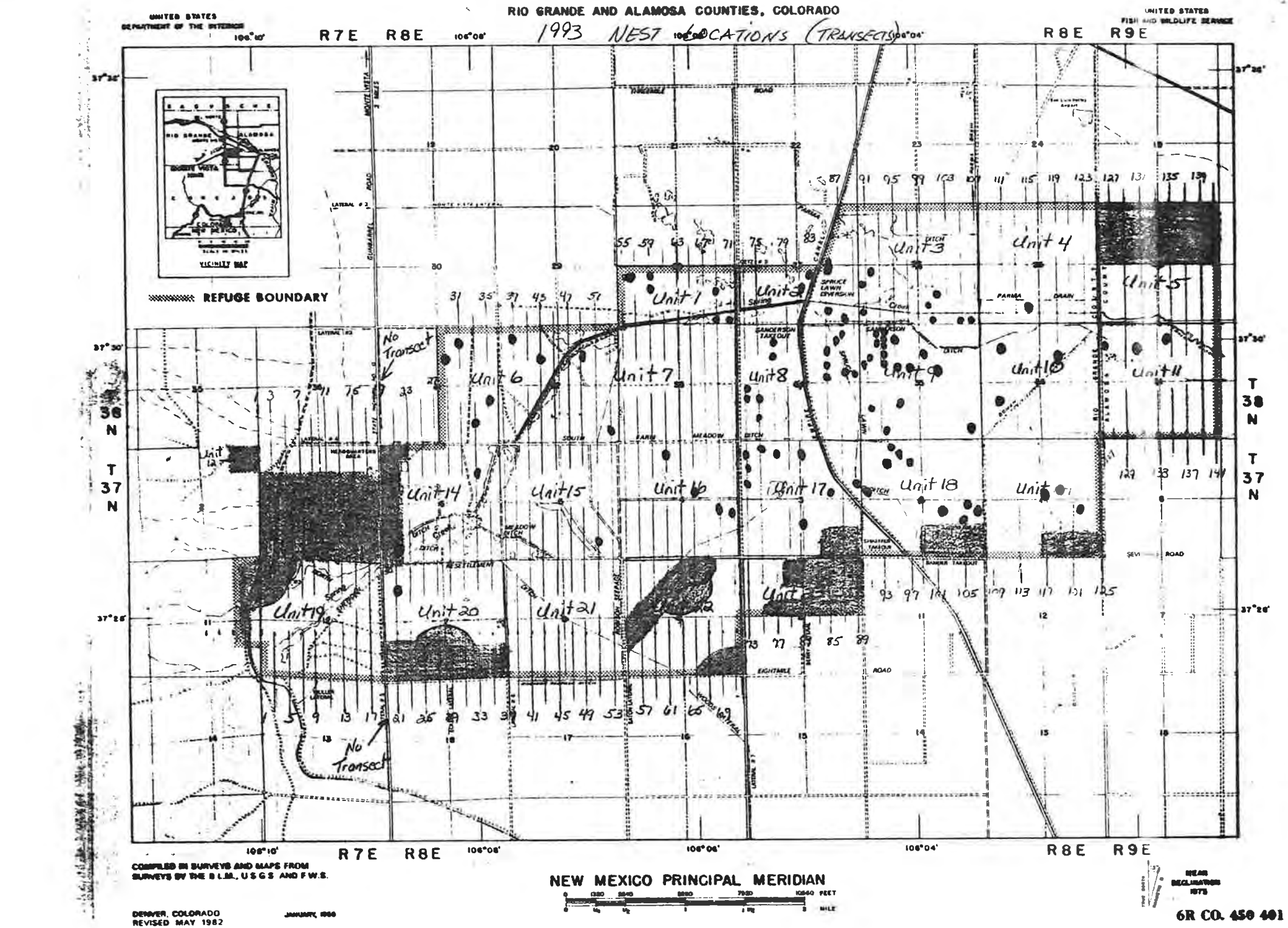
$= .978^{34.665}$

$= .462$ or 46%

MONTE VISTA NATIONAL WILDLIFE REFUGE

RIO GRANDE AND ALAMOSA COUNTIES, COLORADO

1993 NEST LOCATIONS (TRANSECTS)



COMPILED IN SURVEYS AND MAPS FROM SURVEYS BY THE B.L.M., U.S.G.S. AND F.W.S.

NEW MEXICO PRINCIPAL MERIDIAN

DENVER, COLORADO
REVISED MAY 1982

JANUARY, 1966

6R CO. 450 401

NUMBER OF NESTS FOUND ON TRANSECTS
ON A UNIT BASIS
1988 -1993

UNIT	1988	1989	1990	1991	1992	1993
1	2	1	1	3	7	5
2	2	1	0	1	3	2
3	23	23	3	16	16	11
4	3	14	5	6	5	1
5	1	0	0	0	0	0
6	10	4	4	3	1	6
7	13	19	8	6	8	3
8	9	5	10	2	6	6
9	32	7	37	22	20	25
10	8	3	4	5	5	3
11	1	2	2	1	2	3
14	4	1	0	1	1	2
15	2	10	0	2	2	1
16	7	10	4	0	3	4
17	11	2	2	3	3	7
18	11	17	4	3	5	10
19	1	4	0	1	1	0
20	4	1	1	2	1	1
21	5	3	1	1	1	0
22	2	1	1	0	0	0
23	0	1	1	0	0	0
24	7	4	2	0	5	3
TOTAL	158	133	90	78	95	93

6/20 = 171
8/1 = 213

Monte Vista National Wildlife Refuge
Duck Nest Transect Survey
Summary 19 93

May Walk ____ June Walk ✓

Nest #	Unit	Species	Found Status	# of Eggs	Inc. Stage	Age Found (Initiation / Date found)	Fate Date (Est Hatch)	Nest Fate	Exp. Days
411	1	Mallard	Active	9	21	143 30 173	215 177	Ab	—
412	1	Mallard	Active	6	21	146 27 173	215 179	H/6	5
237	3	Gadwall	Active	6	20	146 26 172	213 177	H/6	5
241	3	Mallard	Active	6	20	147 26 173	215 179	H/6	6
255	3	Mallard	Active	9	12	153 21 174	215 185	H/7	14
256	3	Mallard	Active	7	0	167 7 174	215 200	H/7	26
261	3	Mallard	Active	4	21	150 25 175	215 190	H/4	5
262	3	Brt/Cinn	Destroyed	6	?	— 175	175 ?	D/Raven	—
263	2	Ruddy	Active	9	19	147 28 175	217 188	H/9	6
407	6	Gadwall	Active	7	17	148 24 172	215 180	H/7	8
408	6	Pintail	Active	4	12	154 16 172	215 184	D/F	6
409	6	Gadwall	Active	9	8	155 17 172	215 189	D/Unkn	8.5
410	6	Ruddy	Active	7	—	165 7 172	215 200	D/Rac	14
264	8	Mallard	Active	8	12	155 20 175	216 188	H/8	13
266	8	Gadwall	Active	3	—	172 3 175	216 204	H/Ab	32
267	8	Brt/Cinn	Destroyed	4	?	— 175	175 ?	D/Raven	—
268	8	Gadwall	Active	3	—	172 3 175	216 207	H/Ab	32
269	8	Gadwall	Active	5	12	158 17 175	216 186	D/Rac	6.5
233	9	Mallard	Active	8	8	156 16 172	214 190	H/4/3	28
242	9	Brt/Cinn	Active	9	—	165 9 174	214 199	H/9	25
244	9	Gadwall	Active	6	8	160 14 174	214 191	H/6	17
245	9	Gadwall	Active	9	—	165 9 174	214 200	Ab/9	13
246	9	Mallard	Active	9	23	192 32 174	214 177	H/7/2	3
247	9	Mallard	Active	6	20	148 26 174	214 180	H/6	6
248	9	Mallard	Active	7	19	148 26 174	214 181	H/5/2	7
249	9	Brt/Cinn	Active	9	4	161 13 174	214 194	H/9	20
251	9	Mallard	Active	8	18	148 26 174	214 181	H/8	7
252	9	Mallard	Hatch	7	26	141 33 174	174 174	H/7/1	—
253	9	Mallard	Active	6	18	150 24 174	214 182	H/5/1	8
257	9	Gadwall	Active	6	8	161 14 175	214 192	H/6	17
258	9	Gadwall	Ab/Dest	6	—	— 175	175 —	Ab/6	—
259	9	Gadwall	Active	17	8	150 25 175	214 192	H/13/4	17
					3 Ab	23 Hatched	6 Dest		355

32 nests this page

27 usable / 5 not

Monte Vista National Wildlife Refuge
Duck Nest Transect Survey
Summary 1993

May Walk ____ June Walk ✓

Nest #	Unit	Species	Found Status	# of Eggs	Inc. Stage	Age Found (Initiation date / date found)	Fate Date (Hatch date)	Nest Fate	Exp. Days
260	9	Mallard	Active	10	18	147 / 28 / 175	214 / 183	H 7/1	8
301	10	Mallard	Active	12	18	141 / 30 / 171	—	NR	—
303	10	Mallard	Destroyed	—	—	— / 173	173	D/Raven	—
267	11	Bwt/cinn	Destroyed	8	?	— / 176	171	D/Raven	—
268	11	Gadwall	Active	7	12	157 / 19 / 176	214 / 184	D/Raven	8
269	11	Gadwall	Active	6	—	170 / 6 / 176	214 / 206	D/coyote	14.5
500	14	Bwt/cinn	Active	4	—	169 / 4 / 173	211 / 208	H/Alb	30
120	15	Gadwall	Destroyed	5	—	— / 174	174	D/skunk	—
121	16	Shoveler	Active	7	16	151 / 23 / 174	211 / 182	H/7	9
122	16	Gadwall	Active	8	8	159 / 16 / 175	211 / 192	D/Raven	8.5
123	16	Mallard	Active	11	—	164 / 11 / 175	211 / 201	H/10	26
125	17	Mallard	Active	9	21	146 / 30 / 176	211 / 181	H/5/4	5
234	18	Mallard	Active	11	21	140 / 32 / 172	214 / 177	H/11	5
235	18	Bwt/Cinn	Destroyed	—	—	— / 172	172	D/Raven	—
240	18	Gadwall	Active	10	1	162 / 11 / 173	214 / 193	D/Coyote	12
243	18	Gadwall	Active	6	—	168 / 6 / 174	214 / 203	H/8+	29
254	18	Mallard	Active	10	14	145 / 29 / 174	214 / 181	H/10	7
501	20	Mallard	Destroyed	6?	—	— / 173	173	D/Raven	—
126	24	Bwt/Cinn	Active	8	15	156 / 23 / 179	214 / 185	H/8	9
127	24	Bwt/Cinn	Hatched	4	Term	— / 179	179	H/4	—
302	4	Mallard	Active	6	—	166 / 6 / 172	217 / 201	H/6	29
21 nests this page					1-NR	11-Hatched	9-Destr...		199

19 usable / 7 not

5/17/93

Unit 3 T107 N1/2 — Real wet No good cover, lots of new whitetop growth.

T107 S1/2 — good - Moderate Cover

Unit 9 T107 N1/2 — Moderate - good Cover. dry - Whitetop growth 5"/07"

T107 S 1/2 - ~~[illegible]~~ Cover, real wet

Unit 18 T107 N1/2 - Open Water w/ ~~[illegible]~~ emergents good diver habitat

T107 S1/2 Emergents
Goose nest (ground)
(on T) successful at least 5 eggs
1 - Coot Nest on transect
1 - P.B.G. Nest off transect

~~T107~~

U+18 T105 S1/2
- Wet - flooded Moderate cover
1 - Hatching Mallard nest on T

T105 ~~N~~1/2 - Flooded - Emergents. Mod - diver cover 1 coot nest on T.

5/17/93

Unit 9 T105 S 1/2

Wet + dry Mudflat and Saltgrass areas
- poor waterfowl cover, but excellent
Shorebird habitat.
- 30+ Avocets likely nesting in area
- 20+ Phalarope on water

Unit 9 T105 N 1/2

Dry - Saltgrass / Alkali Sacatone
w/ interspersed Baltic Rush
and White top.
- Moderate Cover

Unit 3 T105 S 1/2

Moist to Wet
1/2 Saltgrass/alkali Sacatone
1/2 Whitetop/ Baltic Rush
Moderate Cover
1 Mallard Nest on T.

Unit 3 T105 N 1/2

S 1/4 of N 1/2 is moist and
very denuded by cattle as it
is very near the Cell Area

N 1/4 of N 1/2 is primarily wet Meadow
1-4" deep w/ Moderate Cover
primarily Baltic w/ some Greasewood

5/18/93

Unit 9 103 N½ — flooded Saltgrass/alkali Sacatone w/ interspersed Baltic and White top.
flooded entire ½ mile —
because of water poor cover
otherwise poor–moderate

Unit 9 103 S½ — N¼ of S½ is dryer Saltgrass/alkali S. w/ interspersed JBA/WT.
– S¼ of S½ is same as above but mostly flooded

Unit 18 103 N½ — All flood emergents averaging @ 1.5-2.0' in water depth – poor nesting cover
poor–moderate for divers
1–Coot nest found on T

Unit 18 103 S½ NE¼ of S½ is mostly Greasewood upland
poor–Mod. cover

S½ of S½ is mostly Wet Meadow (Flooded
Baltic Rush – Moderate cover

018 – 101 S½ — partly flooded meadow, partly wet meadow
upland – Moderate/good cover
1–Cinn teal nest on T. may be abandoned
1–SE Owl nest on T. Hatched 5 young
1–Cinn teal nest off T. 2 eggs laying–

5/18/93

Unit 18 - T101 N½ — Flooded meadow - otherwise moderate - ~~good~~ fair

Unit 9 T101 - S½ — S½ of S½ is primarily flooded upland w/ JBA interspersion
— N½ of S½ is Greasewood upland

— Corded/saw Three hens (Mallard) scraping out bowls under greasewoods all at least 30' off transect Moderate - Cover

Unit 9 T101 - N½ — S½ of N½ is primarily flooded upland w/ more of a JBA/WT interspersion 40/60 ratio
N½ of N½ is primarily wet meadow w/ some areas of monotypic WT good Nesting Cover (wet meadow)

Unit 3 T101 ~~S~~ ½ → Mostly Wet meadow of some WT and Cattail interspersion (good cover) lots of indicators.

Unit 3 T101 N½ — ~~[illegible]~~ S½ of N½ is mainly upland denuded as it is near cell center
N½ of N½ is primarily flooded meadow little residual (primarily new growth poor/moderate cover

5/18/93

Unit 3 - T103 N1/2 — Primarily flooded meadow w/ new growth ~~[illegible]~~ (Mowing). upland and drier sites are denuded (poor-moderate cover)

Unit 3 - T103 S1/2 — flooded/wet meadow moderate cover

Unit 9 - T99 N1/2 - Flooded Meadow ~~[illegible]~~ moderate cover
1 Shulr. nest on T.

Unit 9 T99 S1/2 same as above w/ more water

Unit 18 - T99 - N1/2 - N1/4 of N1/2 - flooded upland (Greasewood)
- S1/4 of N1/2 - flooded Meadow
Moderate Cover

Unit 18 - T99 - S1/2 - N1/4 of S1/2 - mist to wet upland
S1/4 of S1/2 - Wet Meadow (Moderate Cover

Unit 18 - T97 - S1/2 S1/4 of S1/2 is flooded meadow and some flooded upland
N1/4 of S1/2 is wet meadow - no real strongholds by any species, very little height density
Mod - Poor Cover

Unit 18 - T97 N1/2 - S1/4 of N1/2 is flood meadow, good H.D but lots of water (flooded)
- N1/4 of N1/2 is mostly flooded upland.

Unit 9 T97 S1/2

S
1/4 flooded saltgrass (poor)
1/4 Flooded meadow (moderate)
1/4 Monotypic White top (Poor)
1/4 dry saltgrass w/ ~~[illegible]~~ weed interspersion (Poor)
N

5/18/93

Unit 9 T97 N½ — S½ of N½ is flooded meadow w/ good HD — Good Cover - ant

- N½ of N½ — is flooded alkali Sacaton w/ some saltgrass and JBA — Poor Cover

Unit 3 T97 S½ S
- ¼ Flooded meadow - (goodcover)
- ¼ Wet alkali Sacatone/Saltgrass (poor - moderate)
- ¼ Cattail emergents (Moderate cover)
- ¼ Wet meadow (Grasses) poor cover

Unit 3 T97 N½ S½ of N½ is Flooded meadow poor/Moderate cover
N½ of N½ is primary upland (Grassland) poor/moder

Unit 3 T99 N½ Primarily wet meadow w/ diversity of Grasses. poor - moderate cover (cattle)

Unit 3 T99 S½ Primarily Wet meadow w some cattails near mid-99 marker Good-Excellent cover
2 - mallard nests on T. (one lost (Ravens))

5/19/23

Unit 3 T95 - S½ — Primarily a saltgrass meadow
paddock 10 w/ Moderate cover
paddock 11 denuded

Unit 3 T95 - N½ — Primarily Saltgrass meadow w/ interspersed cattail on S½ of N½, and ~~the~~ interspersed upland (Greasewood) areas on N½
Poor - Moderate Cover

Unit 3 T93 - N½ — Primarily a short grass meadow with sizable (½) interspersions of nearly Monotypic Whitetop stands - poor/moderate

Unit 3 T93 S½ — ~~½~~ N½ of S½ is primarily short grass/saltgrass meadow poor cover paddock 11

— S½ of S½ in Paddock ten is wet meadow with Baltic rush good cover

Unit 9 T93 N½ — Primarily flooded Baltic Rush - good/Excellent cover

Unit 9 T93 S½ — Primarily Alkali Meadow (JBA) w/ some saltgrass interspersion moderate/good cover

Unit 18 T93 N½ — N½ of N½ is primarily flooded upland (Saltgrass)
poor - moderate cover
S½ of N½ is flooded meadow w/ some cattail interspersion Moderate Cover

5/19/93

Unit 18 T93 S 1/2 Primarily Greasewood upland
Poor Cover

Unit 18 T95 S 1/2 - Upland greasewood some w/ saltgrass
understory Poor - Moderate cover

Unit 18 T95 N 1/2 - primarily flooded meadow w/ some cattail
whitetop, and Greasewood interspersion

Unit 9 T95 S 1/2 — primarily flooded meadow
S 1/2 of S 1/2 is Moderate to good cover
N 1/2 of S 1/2 is Good - ~~Excellent~~ cover

Unit 9 T95 N 1/2 — Primarily flooded meadow (Baltic Rush)
good / Excellent cover

Unit 9 T91 N 1/2 - Primarily flooded meadow w/ some cattail
interspersion - good cover

Unit 9 T91 S 1/2 - N 1/2 of S 1/2 is primarily flooded meadow good cover
S 1/2 of S 1/2 is flooded saltgrass/SUE moderate cover

~~Unit~~ 18 T91 N 1/5 flooded saltgrass upland (poor)
1/5 flooded meadow (Moderate)
2/5 flooded meadow/Emergents (Moderate/good)
S 1/5 Upland Greasewood w/ saltgrass understory (poor - moderate

Unit 18 T89 — S 1/2 ~~of N 1/2~~ is primarily flooded meadow w/ some
cattail interspersion moderate
N 1/2 is prim. flooded upland saltgrass (poor-moderate

Unit 9 T89 S 1/2 — Primarily flooded meadow good cover but water too
deep making it moderate.

5/19/93

Unit 9 T89 N1/2 — Primarily flooded meadow — excellent cover normally but because water is so deep 1.5' + only good cover is available (some cattail interspersion)

Unit 3 T89 S1/2 — Primarily flooded meadow w/some cattail interspersion good cover

Unit 3 T89 N1/2 — Wet Meadow w/ some cattail, and whitetop interspersion @ 100yds of Greasewood upland at extreme North end

— Someone has dragged 2 dead cows ~~and~~ and dumped them on the Refuge you can see the drag tracks coming in from the Empire Canal (Cows smell but) Few ducks in N, 1/2 of transect, only saw 2 pair ("unusual") Good/Moderate Cover

Unit 3 T91 N1/2 N1/3 of N1/2 is Wet meadow w/Grass as predominant species. (Moderate Cover)

S2/3 of N1/2 is Greasewood upland leading down to the South into wet meadow (75yds) (poor/moderate cover)

Unit 3 T91 S1/2 — Wet/flooded meadow with Grass spp. and Baltic as main components. Mostly new growth (5-10') w/little Residual Moderate cover

5/18/93 U-20 Trans 33 □ Cntr Marker on Ground next to post

U-20 Trans 35 ◇ S. Marker " " next to post

U-19 Trans 1 □ N. Marker on Ground next to post

5/18/93	U-4	Trans #	121	Middle	post ok/	no sign
	U-10	Trans #	113	South	"	"
	U-21	Trans #	47	Middle	"	"
	U-21	Trans #	41	North	"	"

6/24/93

U9 T87 N/2 Flooded meadow too wet! good new growth Moderate cover
U9 T87 S/2 " " /Greasewood " " Poor cover
U18 T87 flooded greasewood upland (poor cover)
U18 T85 Greasewood upland (poor cover)
U9 T85 S/2 Greasewood upland (flooded) poor cover Baltic rush flooded (moderate cover)
not as much green growth as in other places.
U9 T85 N/2 Same as above but w/ good new growth
U3 T85 S/2 flooded meadow w/ cattail interspersion. excellent ~~green~~ new growth
cover moderate (still slightly too much water.)
U3 T85 N/2 flooded meadow - moderate cover
U3 T87 N/2 - Flood/wet meadow - Moderate cover
U3 T87 S/2 Almost entirely (3/4+) is cattail emergents. mod cover
U3 T83 flooded meadow ~~[illegible]~~ moderate cover
U9 T83 N/2 Greasewood upland w/ some Baltic interspersed (poor/moderate)
U2 T83 flooded meadow good/Avg New growth, May be too much water
U2 T81 S/2 flooded poor cover moderate diver cover
U2 T81 N/2 flooded meadow Moderate cover
U2 T79 Wet/and flooded meadow - flooded meadow offers poor cover
Wet meadow offers moderate, wet meadow has really
been impacted (sheep grazing)
U8 T79 N/2 dried greasewood mud flat - poor cover
U8 T79 S/2 wet Greasewood mud flat (Poor waterfowl excellent Shorebird)
U8 T77 S/2 upland (greasewood) w/ Baltic rush + Saltgrass interspersions (moderate)
U8 T77 N/2 area very impacted by Sheep.
→ dry Greasewood upland (poor cover)
U2 T77 Wet Meadow Some areas very impacted (Moderate cover
U2 T75 Wet Meadow Very much impacted poor/Moderate cover

6/24/93

U8-T75 N/2 — Cocoseweed plant Poor Cover

U8-T75 S/2 — Wet meadow w/some parts heavily impacted moderate cover

U8 T75 S/2 — ~~wet~~ flooded meadow moderate cover

U8 T73 N/2 Cocoseweed plant poor cover

Unit 3 T87 S½ – S⅓ of S½ is flooded meadow
w/ moderate to good cover
– N⅔ of S½ is flooded monotypic cattail
moderate nesting cover

Unit 3 T87 N½ – a variety of wet meadow (grasses), upland (greasewood), and small monotypic whitetop stands
poor/moderate cover.

Unit 3 T85 N½ – Shallow- wet meadow moderate cover

Unit 3 T85 S½ – N¼ – Wet meadow (moderate)
¼ – flooded cattail (Moderate)
¼ – wet upland SVE/saltgrass (Poor) Paddock 11 dewatered)
S ¼ – Wet meadow (moderate)

Unit 9 T85 N½ – Flooded meadow. Adequate vegetative growth
however because there's so much water
it only serves as poor/moderate cover

Unit 9 T85 S½ – Primarily Wet Greasewood upland w/ understory
of saltgrass w/ some interspersed baltic (Moderate)

Unit 18 T85 – Short transect all wet greasewood upland –
Salt grass (Moderate)

Unit 18 T87 – Short upland greasewood with and with
Saltgrass understory (Poor/Moderate)

Unit 9 T87 S½ flood upland interspersed w/ flooded meadow
high water depth (Poor/moderate)

Unit 9 T87 N/2 — Excellent cover — Flooded meadow (IBA)
- and emergents may be too much water
though. Hens flushing everywhere 10+
1 on transect

Unit 4 T83 S1/2 Meadow interspersed w/ Greasewood saltgrass upland
moderate/ ~~good~~ cover

Unit 4 T83 N1/2 - Wet Upland saltgrass/Greasewood at varying degrees
of each (Poor/Moderate) cover

Unit 3 T83 — S of SPL Diversion is flooded meadow w/ some
cattail — moderate cover — water "very" deep

N of SPL Diversion
- Wet meadow Moderate Cover in
non-graze poor/moderate
in graze (no residual)

Unit 22 T55 N/2 - ~~Meadow~~ - short + poor/moderate cover)

Unit 22 T55 S/2 — ~~Shortgrass~~ meadow / w/ interspersed reductionish (Poor/moderate)

U22 - T57 S/2 — short grass meadow at S tip. then upland sue/dist.
(poor/moderate cover) Dry!!!
→ theres residual but theres no height to it!

U22 T57 N/2 — ~~short~~ → Sames as T57 S1/2

U22 T59 N/2 - Short meadow - no residual (poor cover)

Unit 22 T59 S/2 – Short grass meadow, residual doesn't even cover my shoe 2"-4" (poor cover)

Unit 22 T61 S/2 – Same as 22T61 S/2

Unit 22 T61 N/2 – Short grass meadow at both N and S. end with center pivot of young (2nd year no cover) DNC in between. (poor cover)

Unit 22 T63 N/2 – Center pivot DNC in 1st year no cover yet (Poor)

Unit 22 T63 S/2 – Meadow, almost wet meadow, tall grass and some Baltic rush. (Moderate cover)
– "This unit needs an impoundment developed and some water. There's no reason why this can't be like unit 3 or 9 and best in terms of cover"

Unit 22 T65 S/2 – Baltic rush that was growing in this area is for the most part dead, needs impact and water badly Meadow – looks like this was good cover at one time (Moderate) Needs water/impact

Unit 22 T65 N/2 – S 1/2 of N 1/2 is new (1yr) alfalfa (poor)
N 1/2 of N 1/2 is DNC @ 2yrs old moderate cover
– what little residual (weeds) is fairly matted.

Unit 22 T67 N/2 — portion of DNC at beginning (N. end) under graze is denuded. DNC ungrazed under sprinkler is Moderate cover
- New alfalfa under sprinkler (poor)
- Meadow between sprinkler and mid-67 marker is poor/moderate — no real residual (shot grass)

Unit 22 T67 S/2 - Baltic rush meadow, - cows, although they are currently in this paddock have not impacted this vegetation which is in dire. need. Good growth @ 2yrs old, but, needs impact and water. (Moderate/Good cover) No water!!

Unit 22 T69 S/2 — Grass meadow w/ no real residual and new growth chopped w/in 2-5" to the ground. (poor cover)

Unit 22 T69 N/2 - Grass meadow, - denuded - very little grass w/over 2 inches of height - ~~the~~ navitable golf course

Unit 11 T141 S½ – Greasewood upland w/ saltgrass and alkali sacatone interspersed. Moderate cover.

Unit 11 T141 N/2 – Greasewood upland w/grass, and floodplain wet meadow Moderate cover. baltic rush looks good looks as though there's been impact (this year) in the northern portion of this unit

Unit 4 T141 – Primarily greasewood upland (Poor cover)

Unit 4 T139 – Same as above (Poor cover)

Unit 11 T139 – N/2 – Greasewood upland w/grass, and wet meadow moderate cover.

Unit 11 T139 – S/2 – Greasewood upland (poor cover)

Unit 11 T137 S/2 – Greasewood upland (poor cover)

Unit 11 T137 N/2 – Greasewood upland to South poor cover.
– Northern portion is former wet meadow now Whitetop, almost nearly monotypic (poor cover)
* Goose Structure at N137 Marker w/ goose on it.

Unit 5 T137 Greasewood upland (poor cover)

Unit 5 T135 Greasewood upland (poor cover) alkali sacatone interspersed

Unit 11 T135 N/2 – Saltgrass meadow with whitetop/JBA interspersion (poor/moderate)

Unit 11 T135 S/2 Greasewood upland w/ some grass interspersion (poor/moderate)

Unit 11 T138 S/2 - Greasewood upland w/ very little/none grass (poor cover)

Unit 11 T133 N/2 - Grass meadow with some baltic interspersion (poor/moderate)

Unit 5 T133 - Greasewood upland w/some saltgrass interspersion (poor but on the right track.) Sign at N133 unit 5 needs to be placed on pole.

Unit 5 T131 - N'/2 is Greasewood upland (poor)
S/2 is Greasewood upland w/saltgrass intersp. (Moderate/poor)

Unit 11 T131 N/2 - N/2 of N/2 is wet meadow (Rally) cover is (moderate/good)
S/2 of N/2 is saltgrass upland w/ few greasewood. (poor)

Unit 11 T131 S/2 - Greasewood upland (Poor)

Unit 11 T129 S/2 Greasewood upland (poor)

Unit 11 T129 N/2 Saltgrass meadow some baltic/WT interp. (poor/Moderate)

Unit 5 T129 Greasewood upland (Poor)

Unit 5 T127 Same as above

Unit 11 T127 N/2 Saltgrass meadow w/ some Greasewood (poor)

Unit 11 T127 S/2 Greasewood upland (Poor)

Unit 11 T125 S/2 (Sign at S end needs to be placed on pole.)

Unit 11 T125 S/2 - Greasewood upland (Poor)

Unit 11 T12S N/2 - Greasewood upland w/some interspersed saltgrass (poor/moderate)

Unit 5 T12S - Greasewood upland (poor)

Unit 7 T65 ½ — Primarily baltic rush meadow, no real residual mostly new growth (poor/moderate)

Unit 7 T65 N½ — Baltic rush meadow, little residual at S. end (Poor) More residual at N. end (Moderate)

Unit 1 T65 — Grass/sedge/Baltic rush meadow (moderate/good)

Unit 1 T67 — Wet/flooded meadow (moderate/good) would probably afford to stop taking water into the units, as continued flooding will limit available nesting areas.

Unit 7 T67½ dry meadow w/ weed and bare ground interspersing. very little/none residual of grasses + rushes. some new growth. (poor cover) too dry!!

Unit 7 T67 ½ - Dry meadow, some good baltic rush + grass growth in areas, but little residual. (poor/moderate)

Unit 7 T68 ½ — meadow at ends w/ flooded meadow and open water interspersed in the middle area. alot of new growth, little residual. (poor/moderate)

Unit 7 T69½ — primarily annuals (kochia) with some saltgrass, and whitetop interspersed into it. (poor cover)

Unit 1 T69 — Wet meadow w/emergent pond in between. (moderate/good cover)

Unit 1 T71 — Wet meadow with a cattail emergent pond in the middle, good/excellent cover.

Unit 7 T71 N½ dry meadow site, with a variety of species (saltgrass, kochia, baltic, foxtail etc...) some bare ground, (mowed) (poor cover)

Unit 7 T71 ½ — open water emergent way w/ some cattail and baltic rush emergent (new) (poor cover)

Unit 8 T73 ½ — Wet meadow (baltic) no residual (area possibly mowed in fall of 92,) no whitetop growth apparent do not mow in 93 and excellent in 94 (moderate/good)

Unit 8 T73 N/2 – Dry ~~grass~~ meadow with some (baltic, whitetop, greasewood, alkali sacaton. (poor/moderate cover)

Unit 2 T73 – Grass/baltic meadow impacted recently – (moderate cover)

Unit 2 T75 – Mixed grass meadow w/ Baltic rush incl. some interspersion of Greasewood and whitetop (Moderate cover)

Unit 8 T75 N/2 – Primarily greasewood upland w/ some saltgrass understory (poor cover)

Unit 8 T75 S/2 – (receding water) flooded meadow (mud) ~~large~~ interspersion of small (1'-5') islands of new growth Baltic rush, very little residual. (Moderate cover) should be excellent next year if rush is left alone to residualize

Unit 8 T773/2 – Primarily greasewood upland w/ some areas of ~~feeding~~ flooded meadow with JBA islands (poor/moderate cover)

Unit 8 T77 N/2 – Primarily Greasewood upland, some area of meadow which have heavy whitetop infestation, (poor/moderate)

Unit 2 T77 – Mixed grass meadow, including Baltic rush, whitetop, foxtail etc may need impact next year or so. (poor/moderate)

Unit 8 T83 – open water (no cover)

Unit 8 T81 S/2 – open water some diver cover only

Unit 8 T81 N/2 – open water w/ baltic rush islands, water too deep (no cover)

Unit ~~2~~ T81 – Variety – grass/baltic wet meadow w/ some cattail interp. (Mod.

Unit 2 T79 - Variety meadow, ~~saltgrass~~, sedge, baltic rush (moderate/good

Unit 8 T79N/2 - flooded saltgrass/greasewood upland - (poor cover)

Unit 8 T79S/2 " " " baltic rush islands (poor/moderate)

Unit 22 T71½ — flood baltic meadow, excellent baltic (new) growth, but water too deep (poor cover)

Unit 22 T71 5/2 — North portion is flooded (baltic) meadow, too wet (poor) South portion is upland saltgrass, alkali sacaton meadow, no height density (poor)

Unit 23 T73 — Wet (grass/sedge) meadow, no real height at all and to wet for what little height there is. (poor) on dryer N. area. it looks as though cattle have been there. alt/most new growth is clipped however residual looks unimpacted. (poor)

Unit 23 T75 — Wet meadow. N. portion with no height density (poor) South section, better but still to wet in places (moderate)

Unit 23 T77 — Wet meadow (baltic, grass, sedge) baltic has good residuals others not so hot. still kinda wet. now seems like ok time to back off on the water (moderate cover) (less than ½ mile run)

Unit 23 T79 — Walked only up to plowed field (150 yds short of ½ mi) wet meadow on N. end w/ (moderate cover) old farm field w/ variety on S. end with no cover (poor)

Unit 23 T81 — Not included runs along road.

Unit 23 T83 — Short, only did S. portion up to grain field (250-300 yds) - ~~wet~~ meadow w/ excellent spec. diversity, and excellent number of plants growing (alot, thick) However, there is absolutely no residual cover, and new plants are grazed down to the ground. With the health of these plants (apparent) and the lack of undesirable in undesirable amounts, I think cows shouldn't be in this particular area.

Unit 23 T85 — another short unit (300 yds) of which 150 yds is ~~the~~ same as above, and the other 150 yds is greasewood upland (Poor).

Might consider putting transect markers on the S. side of u-23 on the eastern areas 86-89

Unit 23 T87 – ½ mi long. 5 1st portion is greasewood upland (poor)
2nd portion is wet meadow, [redacted] with less of the grazing impact than the others (moderate)
3rd is wheatgrass type DNC (clumpy) (moderate)
N 4th is alfalfa/grass DNC what little residual there is, is matted on the ground (poor)

Unit 23 T89 – (½ mi long) 1st ⅓ Wheatgrass DNC (clumpy) (moderate)
2nd ⅓ – wet meadow, cows are being very selective about the areas they are grazing. Areas with good species diversity are being grazed to the ground w/ zero residual. (poor). Areas with predominantly Baltic rush cover are being passed over, left with decent residual (moderate cover)
3rd ⅓ is greasewood upland with poor cover

Unit 24 T109 S½ – S½ of S½ is wheatgrass DNC, older more residual but very clumpy. (moderate cover)
N½ of S½ is some greasewood upland (s. and) and some establishing wet meadow, w/ still a lot of bare ground showing. (poor)

Unit 24 T109 N½ – S½ of N½ is primarily greasewood upland (poor cover)
N½ of N½ is establishing wet meadow w/ heavy whitetop interspersion in areas. (Moderate cover) (too much water!!)

Unit 24 T111 N½ – N⅓ is flooded greasewood upland poor cover
⅓ is flooded meadow (greasewood in transition to baltic) ~~moderate~~ with areas of heavy whitetop infestation (monotypic in spots) Moderate cover in baltic but too much water makes it poor
S⅓ is Greasewood/saltgrass upland (poor/moderate)

Unit 24 T111 S/2 – N 1/2 of S/2 is upland greasewood (poor cover)
- S/2 of S/2 is wheatgrass DNC (poor/moderate cover)

Unit 24 T113 S/2 – S/2 of S/2 is wheatgrass upland (poor/moderate)
N/4 of S/2 is greasewood upland (poor)
N 1/4 of S/2 is pond w/ baltic rush sedge (3-square) islands (poor)

Unit 24 T113 N/2 – Entire 1/2 mile is through open water. There are few baltic rush clumps (poor cover)
* T113 (U24) North sign needs to be replaced onto pole sign is on ground at foot of pole

U24 T115 N/2 – Entirely open water with few emergents (cattails) which serve as good diver ~~nesting~~ nesting cover.
* Middle sign down, put up but it needs to be pounded in further.

Unit 24 T115 S/2 – N 1/2 of S/2 is open water w/some cattail/bulrush emergs. good diver cover.
S 1/2 of S/2 is wheatgrass DNC (moderate/poor)

Unit 24 T117 S/2 – first (south) 1/3 is wheatgrass DNC (moderate cover)
2nd 1/3 is open water w/ piece of one island (poor)
N 1/3 is establishing wet meadow (Baltic rush clumps) (poor/moderate cover)

Unit 24 T117 N/2 – Wet meadow some saltgrass and some baltic- saltgrass offers poor cover while baltic rush areas offer moderate/good cover. Water here is more ideal, however, it could still be lowered here as well.

U24 T119 N/2 – Wet meadow w/ some upland greasewood interspersed
- some too wet, some too dry, some just right (poor/moderate) cover

Unit 24 T119 S/2 – N 1/2 of S/2 is partial(N) flooded foxtail barley (Poor)
- and partial(S) mudflat (Poor)
S 1/2 of S/2 is wheatgrass DNC (moderate cover)
N 1/2 is primarily flooded meadow w/ some mudflat. (

Unit 24 T123 N/2 – Open water with some baltic rush islands at south end. (Poor cover) (moderate in rush islands)

Unit 24 T123 S/2 –

N 1/2 of S/2 is open water w/ scattered baltic islands (poor/moderate cover)

S 1/2 of S/2 is alfalfa/wheatgrass DNC

North portion of DNC has little/none new growth all cover is residual and serves as moderate cover (really matting)

South portion has sufficient residual with excellent green growth alfalfa (good/excellent cover)

6/21/93

U4- T107 N½ – most to wet, primarily whitetop w/ interspersed grasses rush, and thistle. avg. whitetop @ 8' tall (Poor/mod. cover)

* it has been apparent that flooded saltgrass will eventually go to foxtail barely which when continued flooded will eventually go to Baltic rush.

U9 T107 S/2 – All flooded - vegetation is primarily Baltic rush all green (new) growth but very tall. (should offer excellent cover in 94 if water level is covered.) avg. water depth about 9"-10" making cover (poor)

U18 T107 N/2 – deep water ~~about~~ N/2 flooded cattails/bulrush on South ½. good diver habitat but poor dabbler habitat.

U18-T107 S/2 – Deepwater flooded cattails/bulrush good diver cover, poor dabbler cover

U18 T105 S/2 – flooded meadow primarily baltic rush, saltgrass, and spike rush. a bit too much water - Moderate cover.

U18 T05 N/2 – little wet/flooded meadow on S/2 and primarily open water and bulrush cattail/ emergents on N½. moderate/ good diver cover, poor dabbler cover

U9-T105 S/2 – Primarily flooded meadow of Grass, Baltic Rush, and whitetop poor cover

U9 T105 N/2 – Primarily wet/flooded grass (alkali sacaton) w/ some foxtail barley common in, some juncus and whitetop.

U3 T105 S/2 – S/2 of S/2 is flooded sedge/grass meadow w/ excellent green growth if this cover remains and water level is lower in 94. this should be excellent cover. (moderate)
N/2 of S/2 is primarily wet saltgrass meadow w/ some greasewood interspersion (moderate/poor)

U3 T105 N/2 – Primarily wet/flooded meadow w/ great diversity a little bit of everything (Mod/Poor cover)

U-3-T107 N/2 — is primarily flooded meadow, with a variety of plants growing (Rishos, Grasses, sedges, whitetop.) there is some excellent spike rush growth through this transect (all green growth, no residual) if there is some residual from this next year, and if water levels are somewhat lower, this should provide good cover.

U3 - T107 S/2 - Primarily flooded meadow w/ rush, sedge, whitetop and cattail interspersion, good green growth (no residual) should be good next year as residual; if water is not so high. Too much water!! poor cover!

Brian,

[redacted]

6/21/93

Unit 21

Tran 47 Middle + N. Sign on ground next to post
Tran 41 N. " " " " "
Tran 37 No Middle Marker (Sign or Post)
Tran 37 S. Marker is ≅ 200 yds to far North (Should be on S. Rd) - Post is there

Unit 20

Tran 35 S. most sign on ground next to post

U3 T101 S/2 - a goodwall nest found off transect in May
was predated/flooded - looks like Magpie
U3 T101 S/2 - Flooded meadow w/ great sedge new growth should be
good next year. this year offers poor cover because of
water depth.
U3 T101 N/2 Combination of greasewood upland (poor/moderate) and
flooded meadow. with good new growth but water
is still too darn deep to offer any nesting cover (poor cover)
U3 T103 N/2 Flooded meadow, good new growth, water way to deep (poor cover)
U3 T103 S/2 Some flooded meadow too wet poor cover
Some Wet meadow cattle grazed heavily (Moderate cover)
U9 T99 N/2 @ 1/2 flooded meadow w/ poor cover (too deep)
and 1/2 Wet meadow w/ moderate cover
U9 T99 S/2 - flooded meadow too much water (poor to moderate cover)
am running into alot of broods (probably 6 today alone)
U18 T99 N/2 Wet meadow w/ little water mostly just moist (moderate/good cover)
mid-marker 99 needs to be turned. (I couldn't do it by hand)
U18 T99 S/2 Flooded/Wet meadow (moderate/good) cover.
U18 T97 S/2 Interspersed Greasewood upland and wet meadow moderate/good cover
U18 T97 N/2 Wet meadow (not flooded but real moist) good growth (good cover)
U9 T97 S/2 Wet/flooded meadow, water level could still afford to go down
a few inches (moderate/good)
U9 T97 N/2 - wet/flooded meadow water even so slightly to high still
Moderate/good Cover
U3 T97 S/2 Flooded meadow x-lent new growth - too much water!!! Poor Cover
apparantely this had less water in May. ??? logic!!
Cattail New growth is incredible (thick new growth)

U9 T103 N/2 - Excellent new growth of Baltic Rush (little/no residual) should be good next year if water level isn't so high
Water level is way to deep (poor nesting cover)

U9 T103 S/2 - Wet meadow w/ more saltgrass than Baltic Rush
Water too deep poor nesting cover as is.

U18 T103 N/2 Located nest # 205 — didn't have the form for it w/ one nest was successful (appeared to be)

U8 T103 N/2 Primarily a open water area w/ some baltic rush islands interspersed and some bulrush islands. Bulrush islands offer good cover habitat otherwise dabbler nesting cover is poor.

U8 T103 S/2 Some flooded meadow and some greasewood upland, flooded meadow has good new sedge growth but too much water for it to serve as good (ideal) nesting cover (Poor cover)

U8 T101 S/2 I had flagged a good nest just off transect on the May walks - had 2 eggs + was laying (now has 7 eggs inc.) pulled flag.

U18 T101 S/2 Greasewood upland, flooded meadow moderate cover.

U18 T101 N/2 Primarily flooded/wet meadow. S/2 of N/2 has lower water levels and offers moderate cover N/2 of N/2 has higher water levels and offers poor nesting cover.

U9 T101 S/2 - S/2 of S/2 is flooded meadow w/ good new growth, water too deep poor cover
N/2 of N/2 is primarily greasewood/saltgrass upland (poor/moderate cover)

U9 T101 N/2 Flooded meadow w/ a little less water (poor/moderate cover

U3-T97 N/2 Flooded meadow (too Wet!) Poor Cover
N. part is greasewood upland (moderate/Poor) Cover.
U3 T99 W/2 Flooded meadow too much water (poor cover) / solid mile of Water
U3 T99 S/2 Flooded meadow too much water (poor/cover)

6/23/93

U9 T95 N/2 Excellent - new Baltic Rush growth, should make excellent cover next year
Still a bit too much water (moderate/good) cover

U9 T95 S/2 Exact situation as above!!!

U18 T95 N/2 ~~wet~~/flooded meadow - excellent new growth, too much water!!
moderate cover

U18 T95 S/2 Primarily Greasewood upland w/ little saltgrass intersperson (poor/moderate)

U18 T93 S/2 Same as above

U18 T93 N/2 flooded/wet meadow. good/excellent new growth, less water than on other transects. (good cover)

U9 T93 S/2 flood/wet meadow w/ excellent new growth. - wet meadow sites offer good cover. flooded sites offer poor cover

U9 T93 N/2 flooded meadow w/ excellent green growth, but w/ more residual than the others enabling easier platform building for nests ~~excell~~ (good/excellent) cover (5 nests found on T)

U3 T93 N/2 flooded meadow (w/ too much water (poor/moderate) and upland saltgrass (short) poor cover.

3 T97 N/2 flooded meadow (again, good new growth, but far too much water!!!!!!!! Poor Nesting Cover

T95 N/2 ~~flooded~~ meadow too wet!!

T95 S/2 flooded meadow - same story - good new growth, but too wet (poor/mod)

9 T91 N/2 flooded meadow w/ water not so deep, and more residual than in other places. (good/excellent)

* seems as though areas flooded w/ about 2"-3" of water are the preferred sites - maybe because they're not so deep that they can't nest, and at the same time serve as ideal brooding areas
- I'm seeing alot of broods in these areas

6/23/93

U9 T91 S/2 Flooded meadow w/ adequate residual and good new growth (good/excellent)

Waterfowl production on the refuge and the transect system by which it is derived from is the primary or key source of monitoring wildlife with regards ~~with~~ the use of cattle grazing as a habitat management/ Maintenance tool - Water-fowl transects ~~give~~ provide ~~inform~~ not only information on production, but nest densities and success also. ~~By determine~~ Nest densities ~~and success~~ in the various units somewhat reflect the successes and failures management activities ~~take~~ in these units. Because habitat management is not an overnight tool, it is necessary to monitor not only short term, but to be able to monitor long-term trends as well. This in conjunction with the vegetation monitoring techniques being used, and ~~with~~ adequate evaluation of annual water management schemes is the true key to Evaluating the effects of Cattle grazing on wildlife on impartkular nesting ducks. relation to other spp.

U18 T91 Flooded meadow, upland Greasewood, and cattails - (moderate/Good) Nests in all new cover do not have the aerial covered offered to them that those located where more residual cover is present. (Green is always standing up, does not flop over nest.

U18-T89 - Wet Meadow w/ good new growth (good cover)

U9-T89 S/2 - Flooded meadow (way too deep) but there cannot be helped as it is directly over a takeout. (moderate cover)

U9-T89 N/2 - Flooded meadow (Way to wet/deep) new growth here is "Phenomenal" there are some areas where the Baltic Rush is over 5' tall. but because of Water cover is only Moderate

6/23/93

U3T89S1/2 – Flooded meadow w/ excellent new growth moderate cover

U3T89N1/2 – Flooded meadow w/ " " " poor/moderate cover

U3T91N1/2 – Flooded meadow and greasewood upland (poor/Moderate)
Godwal nest ? eggs inc 9' 6" W. of Center line
approx 35 yds N of S. 91 marker in U3

U3T91S1/2 – Wet/flooded meadow good cover

6/24/03

U 11 N/2 Has pretty good cover approx. the 1/2 mile (1/4 mi each side) of Rock Creek.

Unit 11 the water / mudflat on the extreme southern edge of the unit has dried, therefore shorebirds are for the most part gone also It did leave some good Baltic rush growth behind however.

Unit 5 T127 N/2 Mallard nest 6 eggs under grasswood w/no other vegetation around + 21' E of Centerline

~~Unit 13~~

Unit 11 T125 S end needs marker put up - on ground near pole



Wildlife & Phenology Observations

Date	No.	Species	Location	Initial
3/16/93	1	Immature Whistling Swan	MVNWR Unit 16	SB
3/16/93	1	White Fruit Goose	U-17 MVNWR	RG
3/24/93	60	Sandhill Cranes	Migration over Montrose (Lane)	Telecom
3/31/93	5	Whooping Cranes	SLV	RG
3/27/93	4	Yellow-headed Hoodheads	MVNWR unit 18	RG
3/27/93	2	Mourning doves	Alamosa Co Rd 106 S	RG
3/27/93	1	Turkey Vulture	8mi near Rd 104 (Dump)	RG
4/6/93	10+	Am Avocets	Unit 15 ponds	RG
4/14/93	1	Great Egret	Unit 8 near switch	SB
4/13/93	8+	Snowy Egret	Adams Lake	RG
4/13/93	60+	W.F. Ibis	Adams Lake	RG
4/16/93	30+	WF Ibis	Alamosa Refuge	RG
4/16/93	20+	B.N. Stilts	"	RG
4/16/93	1	Peregrine falcon	"	RG.
4/23/93	2	Avocets	Alamosa NWR Hdqrs	JJ
4/17/93	1 1st	BCNH on MVNWR	MVNWR	RG
4/19/93	1	Willet	Lillpop WEA	
4/19/93	1	Willet	8-High WEA	
4/19/93	10	Snowy Egrets	Empire at County line + 370	
4/19/93	1	Willet	Walters WEA	
4/19/93	9	L.B. Curlew	HEERSINK WEA	
4/19/93	4	Caribbean Yellowlegs	HEERSINK WEA	
4/20/93	6	L.B. Curlew	ELLITHORPE WEA	
4/20/93	60+	W.F. Ibis	ELLITHORPE WEA	
4/20/93	1	PARTIAL ALBINO MALLARD HEN	ELLITHORE WEA	
4/21/93	4	1 BULL, 4 NOWS in U-22	MVNWR	
4/21/93	1	Loggerhead Shrike	MVNWR Unit 18	
4/10-21/93	2	Short Eared owls	MVNWR U-22	
5/2/93	numerous	Hummingbirds	Natural Hatch P-J Habitat	RG
5/2/93	1	Green tailed towhee	Residences MVNWR	RG
5/2/93	numerous	White Crowned Sparrow	" "	RG
4/22/93	1 1st	Am Bittern	ANWR	RG
4/22/93	1	Peregrine falcon	MVNWR Unit 15	
4/22/93	Many	Snipe everywhere (TONS!)	MVNWR	
4/22/93	1 1st	Goose brood 6-Young	MVNWR Spring Creek Pond	
4/29/93	1st	Goose brood 6-Young	ANWR Near P. area 3	
4/29/93		Bull in U-22 - Shed Antlers	MVNWR	
4/29/93	1st	Cattle Egret	MVNWR U-17	
4/29/93	1	Great Egret Still here	MVNWR	
6/14	10	ducklings w/mom	Ala Office just Hatched	SB/JJ
6/30/93	1	Osprey	Ernie Austin's trees Ala NWR	SB
7/22/93	1	Wood duck hen (may have brood)	Hunter Crossroad	RG
7/22/93	1+(5)	Merganser Brood (common)	On River Roof LB Channel	J.J.
[illegible]/93	2	Peregrine Falcons	Unit 15 (Barclay) MVNWR	RG
[illegible]5/93	1+(6)	Merganser Brood	Unit 13 (Irvine Reservoir) MVNWR	RG For LIV
[illegible]/93	1	Imm Golden Eagle	Alamosa NWR Hdqrs	[illegible]
[illegible]/93	2	Bald Eagles	Alamosa Office	

Maps:

May & June Transects, Duck Nests by Unit



LOCATION MAP
NOT TO SCALE

N

UNIT 1
UNIT 2
UNIT 3
UNIT 4
UNIT 5
UNIT 6
UNIT 7
UNIT 8
UNIT 9
UNIT 10
UNIT 11
UNIT 12
HEADQUARTERS
UNIT 13
UNIT 14
UNIT 15
UNIT 16
UNIT 17
UNIT 18
UNIT 19
UNIT 20
UNIT 21
UNIT 22
UNIT 23
UNIT 24

T38N
T38N

R7E | R8E

R8E | R9E

1500 0 1500 3000 4500
SCALE IN FEET

REVISIONS	4-25	RJS
	DATE	DRAWN

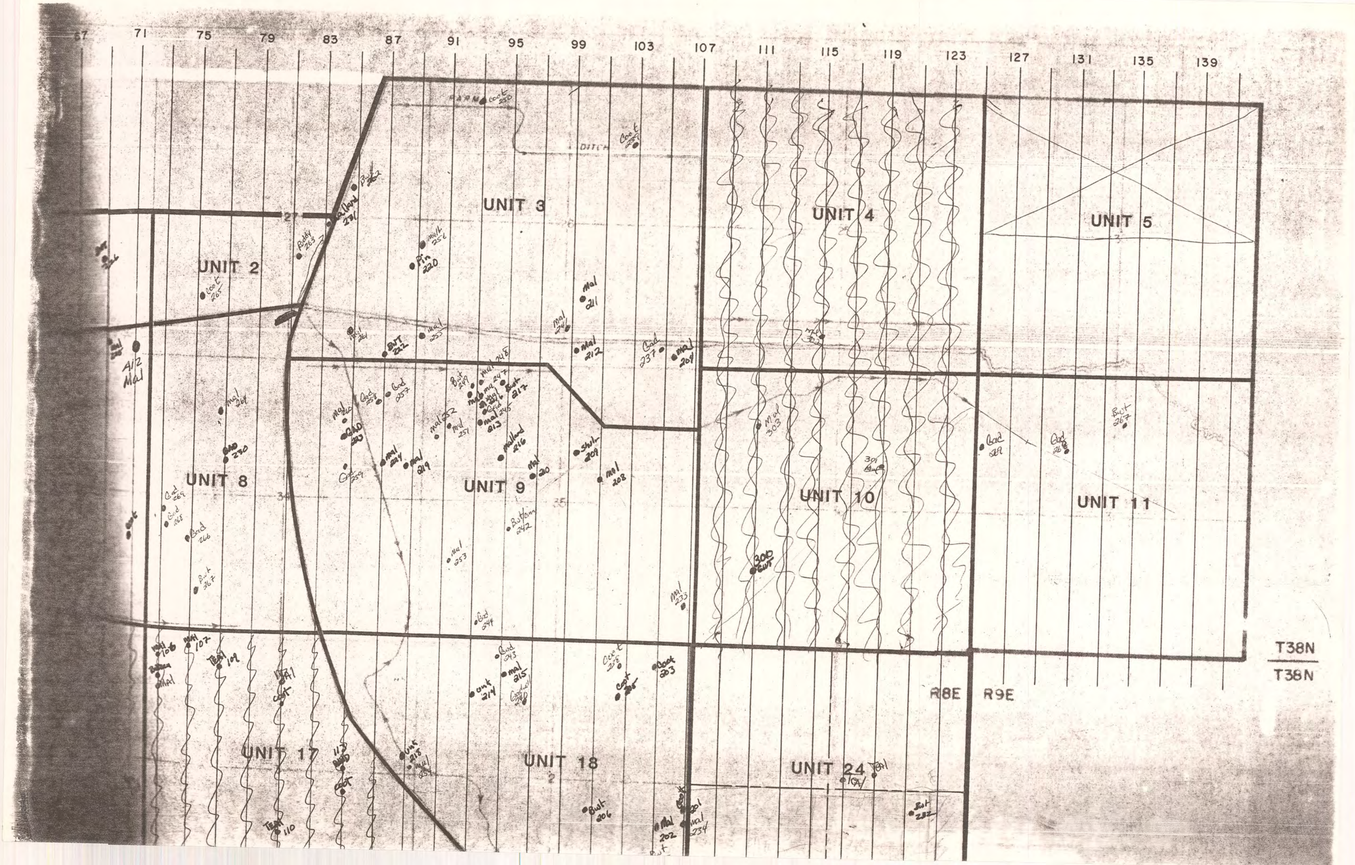
UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
ENGINEERING

SUBMITTED
REGIONAL ENGINEER
REVIEWED
RECOMMENDED
REGIONAL DIRECTOR
W. O. APPROVAL DATE

MONTE VISTA
NATIONAL WILDLIFE REFUGE
RIO GRANDE AND ALAMOSA COUNTIES, COLORADO

DESIGNED G. D. A. | DRAWN V. F. F. | DATE 9-76 | CHECKED
DENVER COLORADO | DRAWING NO.

SHEET ___ OF ___


UNIT 2
UNIT 3
UNIT 4
UNIT 5
UNIT 8
UNIT 9
UNIT 10
UNIT 11
UNIT 17
UNIT 18
UNIT 24
DITCH
T38N
T38N
R8E
R9E

MONTE VISTA NATIONAL WILDLIFE REFUGE

RIO GRANDE AND ALAMOSA COUNTIES, COLORADO

UNITED STATES FISH AND WILDLIFE SERVICE

~~Unit 1 → 65-71~~

~~Unit 7 → 65-71~~

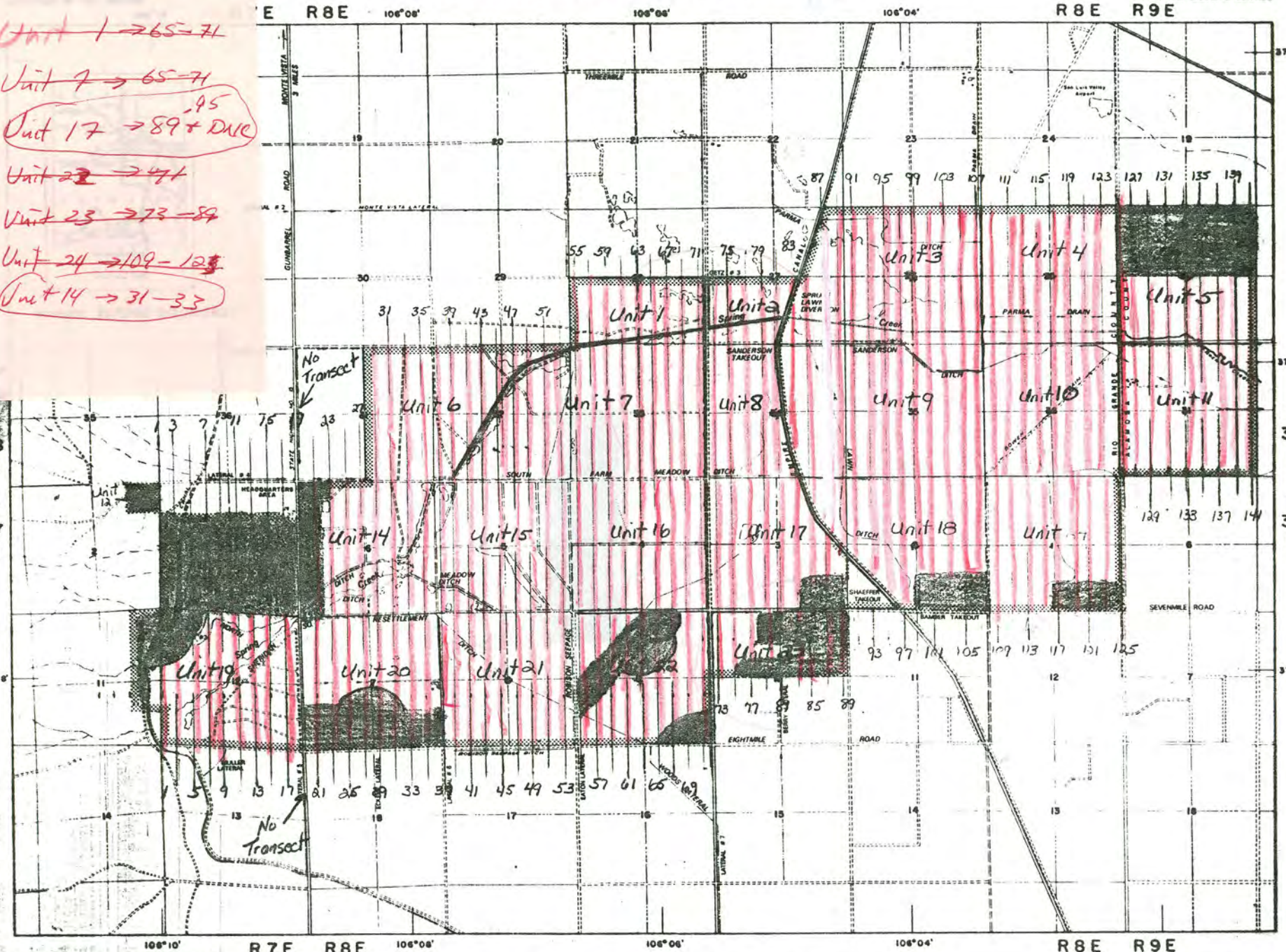
Unit 17 → 89 .95 + DNC

~~Unit 22 → 71~~

~~Unit 23 → 73-89~~

~~Unit 24 → 109-123~~

Unit 14 → 31-33



COMPILED IN SURVEYS AND MAPS FROM SURVEYS BY THE B.L.M., U.S.G.S. AND F.W.S.

NEW MEXICO PRINCIPAL MERIDIAN

0 1320 2640 5280 7920 10560 FEET

0 1/4 1/2 1 1 1/2 2 MILE

MEAN DECLINATION 1975

DENVER, COLORADO
REVISED MAY 1982

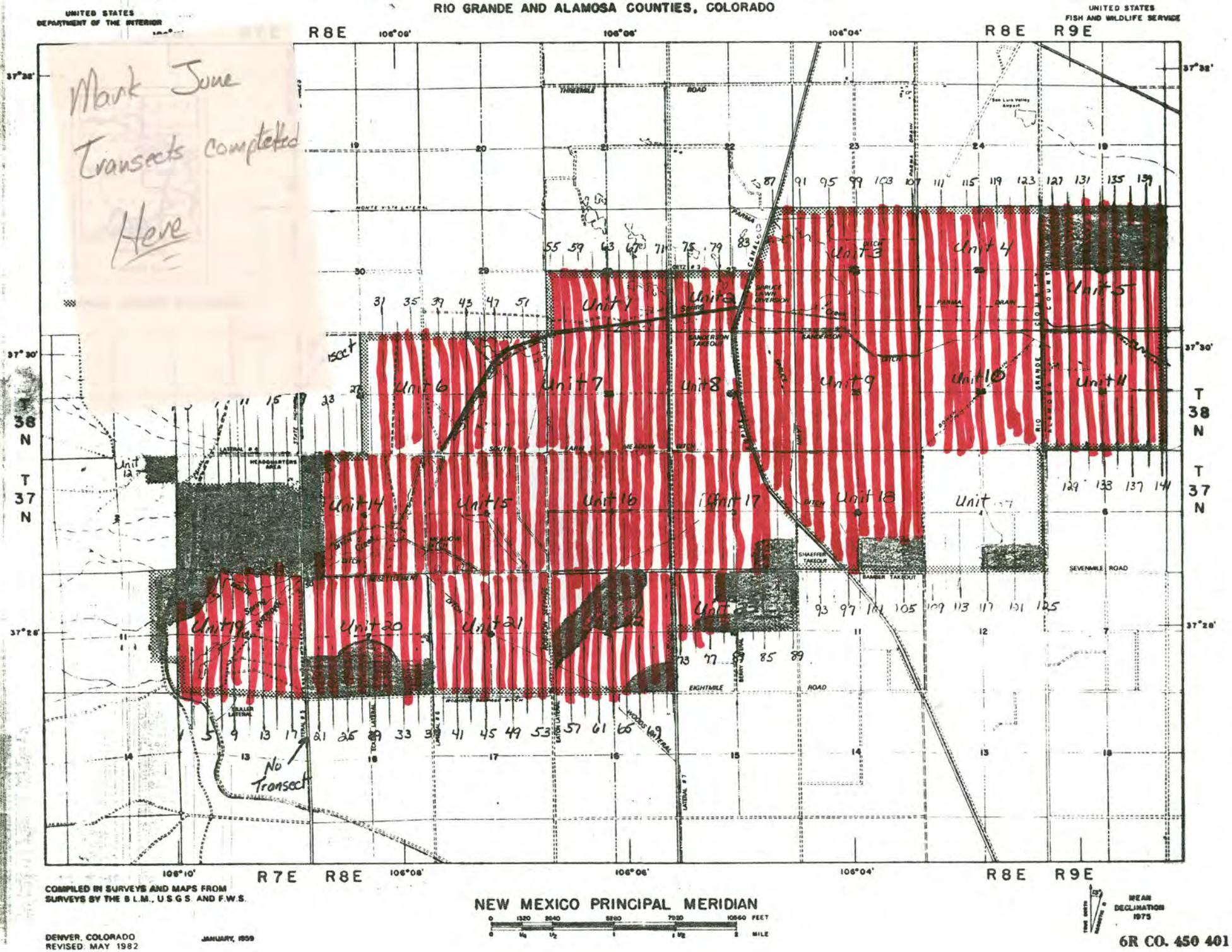
JANUARY, 1959

6R CO. 450 401

May transects completed

MONTE VISTA NATIONAL WILDLIFE REFUGE

RIO GRANDE AND ALAMOSA COUNTIES, COLORADO



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DENVER, COLORADO
REVISED: MAY 1982

JANUARY, 1959

NEW MEXICO PRINCIPAL MERIDIAN

0 1320 2640 5280 7920 10560 FEET

0 ¼ ½ 1 1 ½ 2 MILE

MEAN DECLINATION 1975

6R CO. 450 401