

PHEASANT CROWING COUNT ROUTE

Date: 5/6/80

Route No: Med. LK. NWR

N. E. Portion (#2)

Time Mileage
Start: 5:10 A.M. 20477.8

Weather: Partly Cloudy, 36°F

End: 5:49 A.M. 20486.8

wind - N. 5 mph.

STOP	CROWS	HABITAT	REMARKS
1	8	Same as last year	
2	9		
3	16		
4	10		
5	7		Background Noise - Geese.
6	4		Background Marsh noise - Owl.
7	9		11
8	5		11
9	6		11
10	3		
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25			

Total: 77

Crows/Stop: 7.7

Run again at later date!

PHEASANT CROWING COUNT ROUTE

Date: 5/12/80

Route No: #2 NE Portion

Time Mileage
Start: 5:01 27964.0
End: 5:46 27973.0

Weather: NE wind 0-5
32° Clear Skies

STOP	CROWS	HABITAT	REMARKS
1	8	FLATS SAYEN BAY	BIRD NOISE
2	18	FLATS NELSONS Coulee	Good
3	21	HAYFIELD STINGERS Coulee	BIRD NOISE
4	23	OLD DMC LAKE edge	Good
5	12	#11 LAKE edge #12 LAKE edge	High BIRD NOISE
6	5	WEST KATYS LAKE DMC	High BIRD NOISE
7	4	DMC to NORTH	" " "
8	6	DMC to NORTH	moderate BIRD NOISE
9	5	DMC on north side of #12	High BIRD NOISE
10	11	Section Coulees	Good
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Total: 113

Crows/Stop: 11.3

1980

PHEASANT CROWING COUNT ROUTE

Date: 5/12/80Route No: Med LK. NWR.Start: Time 5:01 AM Mileage 20779.4Weather: Central Portia #1 (MAIN LAKE)End: 6:22 A.M. 20798.4Clear, 32°F. 25°F
wind.-NE. 5 mph.

STOP	CROWS	HABITAT	REMARKS
1	16		
2	29		
3	69		
4	57		
5	26		
6	16		
7	4		
8	6		
9	17	Large H. Hs	
10	14		
11	11		
12	18		
13	7		
14	4	T x 50	
15	13	50 x 29	
16	7		
17	2		
18	11		
19	13		
20	14		
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23			
24			
25			

Total: 354Crows/Stop: 17.7

PHEASANT CROWING COUNT ROUTE

Date: 5/9/81

Route No: # 2

Time Mileage

Start: 4:55 10401.5

N.E. Portion

Weather: Clear, cool 26°

End: 5:40 10410.5

calm winds

STOP	CROWS	HABITAT	REMARKS
1	19	Crack Bottom	Marsh noises
2	42	Crack Bottom	o.c.
3	58	DNC - all the way	Geese
4	28	Marsh DNC	Geese - marsh noise
5	21	marsh edge	extreme marsh noise
6	8	lake edge	extreme noise incl. Y.b. blackbirds
7	18	DNC	marsh noise geese
8	24	DNC	marsh noise
9	10	lake edge	marsh noise - Y.b. blackbirds
10	23	DNC crack edge	marsh noise
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23			
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Total: 251

Crows/Stop: 25.1

1981

PHEASANT CROWING COUNT ROUTE

Date: 4/29/81Route No: Mallik NWRStart: Time 5:22 Mileage 34847.3Central Point #1End: 6:24 34866.3Weather: 43°F, Clear
Less than 5 mph wind (W)

STOP	CROWS	HABITAT	REMARKS
1	19	Prairie & Marsh	Highway & gulls
2	19	" & DNC	Highway & Geese
3	57	" "	
4	47	" "	
5	27	Farm Fields	
6	22	DNC	
7	16	Prairie	
8	11	Farm Fields & Prairie	
9	19	Sugar Bay	Geese & Ducks
10	21	Prairie & Marsh	Oil well & marsh noise
11	23	" " & DNC	" "
12	21	" " "	" "
13	16	" " "	" "
14	7	Prairie	
15	15	"	Farm noise
16	15	"	
17	5	Small th	Geese
18	13	Big Isl.	Geese
19	16	DNC	Gulls & marshland Geese
20	18	" & Farm fields	Small birds
21			
22			
23			
24			
25			

Total: 407Crows/Stop: 20.35

PHEASANT CROWING COUNT ROUTE

Date: 5/9/82

Route No: #2

Start: Time 4:55 Mileage 53980.3

N. E. Refuge

End: 5:40 53989.3

Weather: Clear, Cool 40 degrees
calm wind

STOP	CROWS	HABITAT	REMARKS
1	24		
2	52		
3	63		
4	35		
5	26		
6	10		
7	23		
8	30		
9	13		
10	29.		
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Total: 305
Crows/Stop: 30.5

observer: Bellinger

1982

PHEASANT CROWING COUNT ROUTE

Date: 5-13-82

Route No: 1.

Start: Time 5:00 AM Mileage 54.171.4

Weather: Clear & Cool; 42°

End: 6:17 AM 54190.4

Calm - No wind

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	19		Gulls
2	25		
3	45		
4	36		
5	46		
6	19		
7	26		
8	18		
9	19		Marsh noise
10	33		✓ ✓
11	18		✓ ✓
12	43		
13	27		
14	15		
15	23		
16	24		Cattle noise
17	20		
18	35		
19	11		Greese
20	13		Marsh noise
21			
22			
23			
24			
25			

Total: 515

Crows/Stop: 25.75

PHEASANT CROWING COUNT ROUTE

Date: 5-4-83

Route No: 3

Time Mileage

Start: 5:15A 22,600.1

Homestead Unit.

Weather: Slight overcast, sunrise

End: 6:02A 22,609.1

at 6:05A No wind

OBSERVER: Stroops

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	32		
2	45		24 Inlet to Home.
3	21 (?)		(?) Much Marsh background noise
4	5 (?)		Much Goose chatter
5	24 (?)		Emerg. Sp. (Much Marsh background noise)
6	29		
7	35		
8	39		
9	37		
10	35		
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23			
24			
25			

Total: 302

Crows/Stop: 30.2 / stop

PHEASANT CROWING COUNT ROUTE

Date: 5/5/83

Route No: #2

Start: Time 4:50 AM Mileage 22647.3

Weather: Partly Cloudy

End: 6:05 AM 22656.3

46° - Calm to 5 mph wind

OBSERVER: Brock (Steve, Shirley & Fran)

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	15	Marsh & Farm fields	Marsh noise - medium
2	36	Native & Farm	Very Good
3	33	Crested wheat & farm	Very Good
4	36	Crested wheat & farm	Marsh noise - geese on #11 - medium
5	15	#12 Lake - dike	Very noisy geese & willets
6	18	#12 Lake & CW grass	Very noisy - black birds
7	17	Native & #12 lake	Marsh noise - medium
8	23	DNC - Alfalfa #12 LK.	Medium - marsh noise
9	13	Native	Fair - some marsh noise
10	13	Farm land & native	Good
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24			
25			

Total: 219

Crows/Stop: 21.9 Av.

Very good day for listening!

PHEASANT CROWING COUNT ROUTE

Date: 5/4/83

Route No: # 1

Time Mileage
Start: 4:55 AM 62969.7

Weather: 5 mph wind -

End: 6:43 AM 62988.8

partly cloudy 40°

OBSERVER: Brock

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	12	Native Grass	Gulls & Geese - not too bad
2	17	Edge of native & DNC	Highway traffic - medium
3	28	Shelterbelt - Native - DNC	Good
4	15	Brome & Crested wheat	Good
5	7	Farm land	Gulls - fairly noisy
6	8	Native	1 pr. of geese - not too bad
7	10	Native	Good
8	6	farm land	Good
9	21	Teepee Hills	Good
10	21	Native & marsh	Good
11	5	Jasper bay crossing	Very noisy - blackbirds
12	19	DNC & farm fields	Good
13	17	DNC hunting fields	Good
14	5	Gaffney Pass	Good
15	8	Schmitz farm	Good
16	7	Sandhills	Good
17	2	Sandhills	Good - 1 pr. of partridge
18	1	native	Good
19	4	Native	a little windy - 8 to 10 mph
20	6	Crested wheat	OK
21			
22			
23			
24			
25			

Total: 219

Crows/Stop: 10.95

1983

PHEASANT CROWING COUNT ROUTE

Date: 5/17/83Route No: #1

Time Mileage
 Start: 4:30 AM 23015.5
 End: 6:15 23035.5

Weather: Clear - 0-5 mph wind
38°

OBSERVER: Brock (Steve & Shirley)

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	16	Native Grass	Gulls - pretty noisy
2	12	DNC: Native	OK
3	30	DNC - shelter belt	Good
4	33	DNC	Good
5	37	DNC: farm fields	Good
6	23	Native: farm	Good
7	12	Native	Good
8	12	farm fields	Good
9	11	Teepee hills	Med. some wind: blackbirds
10	25	Native	5 mph wind
11	21	Native	Marsh noise, blackbirds: oil well
12	20	DNC: farm fields	Good
13	23	DNC	5 mph wind -
14	8	Native Gaffney outlet	windy -
15	12	Sandhills - Schmitz's	Cows - very noisy
16	10	Sandhills	perfect
17	3	Sandhills	slight breeze
18	1	Native point to big isl.	slight breeze
19	4	Native	7 mph wind - too windy
20	8	Farm: CW	7 mph wind - too windy
21			
22			
23			
24			
25			

Total: 321

Crows/Stop: 16.05

PHEASANT CROWING COUNT ROUTE

Date: May 5, 1984

Route No: #3 Homestead

Time Mileage
Start: 7:45 AM 33578.7

Sunrise 5:32

End: 5:42 AM 33587.7

Weather: Clear Calm 34°

Perfect Day!

OBSERVER: Brock

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	36	Native	Good
2	55	Native	Good Inlet
3	42	Marsh & native	Lots of marsh noise
4	15	Marsh & native	Very loud marsh noise
5	33	" "	Fair amount of marsh noise
6	45	Native	Good
7	46	Native	Good
8	83	Native close to DNC	Good (very conservation ^{Almost steady} calls)
9	79	DNC & farm fields	Good (conservative - steady calls almost)
10	69	Farm fields 1/2 mi from DNC	Good
11			
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13			
14			
15			
16			
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22			
23			
24			
25			

Total: 503

Crows/Stop: 50.3

Perfect Day!

11:00 1 55

#9 Deer (50) ducks pheasants everywhere! in DNC

PHEASANT CROWING COUNT ROUTE

Date: 5/1/84

Route No: #2

Start: Time 5:00 AM Mileage 33449.5

Weather: High thin clouds

End: 5:45 33458.5

25° Calm

OBSERVER: Brock

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	13	Fields & Marsh	Some goose noise
2	14	Fields & Native	Good
3	29	DNC & waterbank	Good
4	31	DNC	Good
5	31	#12 Lake Dike	Some duck & goose noise Not bad.
6	24	Native	Some blackbird noise
7	14	Native & DNC	Goose noise
8	52	DNC	Good
9	38	Native	Excellent
10	21	Native & Farm fields	Good
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23			
24			
25			

Total: 297

Crows/Stop: 29.7

Perfect day. No wind

1984

PHEASANT CROWING COUNT ROUTE

Date: 4/30/84Route No: #1Start: 5:00 AM 33287.6Weather: Clear 25° CalmEnd: 6:30 AM 33306.6Ending Clear 25° Calm - 5 mphOBSERVER: Brock

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	45		
2	30		
3	37		
4	36	By Burned DNC	
5	24	Ators Grain fields	
6	15	Old DNC: Native	Goose Noise on Gopher Point
7	11	Early Grazed Native	
8	2	Smitz's fields	
9	9	Same marsh noise	Sayer Bay Dam
10	6	Same marsh noise	
11	—	Too much marsh noise	Sayer Bay Bridge county rd.
12	18	DNC	
13	18	DNC	
14	13	DNC Tax Bay	
15	9	Schmitz's farm	
16	5	Sandhills Rd.	
17	2	"	
18	2	"	
19	2	Native	
20	11	Beaver Pd. DNC	
21			
22			
23			
24			
25			

Total: 295Crows/Stop: 14.75

Very Good day for survey!

4.25 HS
2.00 ML

PHEASANT CROWING COUNT ROUTE

Date: May 8, 1985

Route No: #3 Homestead

Time Mileage
Start: 5:02 866.1

Weather: Wind 0-3 Partly Cloudy

End: 5:53 875.1

45° Perfect Day!

Chev 4x4 3/4 ton

OBSERVER: Brock

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	51		
2	47	Inlet Native	Alot of duck noise
3	26		Alot of goose noise
4	19	Burned bulrush	Some goose noise
5	19		
6	14		
7	18	Sheep Cr. Dam	Alot of marsh noise
8	48	Native / DNC	Good count
9	44	DNC / farmland	Good
10	54	farm fields 1/2 mi. from DNC	Good
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22			
23			
24			
25			

Total: 340 crows

Crows/Stop: 34 crows / stop

PHEASANT CROWING COUNT ROUTE

Date: 5/9/85

Route No: #2 NE Refuge

Start: Time 5:02 AM Mileage 36.4

Weather: 45° 5 MPH N WIND

End: 5:50 AM 45.4

P/C Trace of rain overnight

OBSERVER: Brock

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	8	Native / Marsh	
2	17	Native / fields	
3	15	DNC / waterbank	
4	13	DNC	Some goose noise
5	14	Native	alot of cow & marsh noise
6	24	Native	Good
7	55	Native	Good
8	40	DNC / Native	Good
9	13	Native	Good
10	18	Native	
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23			
24			
25			

Total: 217

Crows/Stop: 21.7

Very Good Day!

1985

PHEASANT CROWING COUNT ROUTE

Date: 5/7/85Route No: #1Time Mileage
Start: 5:10 AM 824.8Weather: Clear 35° 0-5 mph windEnd: 6:35 AM 843.8
Should have been 5:00(Good Day!)

Chev. 4x4

OBSERVER: Brock

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	24		Some Gull noise
2	16		
3	19	Headquarters	
4	15	Burned DNC	
5	13	Ators fields	
6	10	Native	
7	6	Native	
8	7	Schmitz's fields	
9	9	Sayer Bay	
10	4	Sayer Bay	
11	9		Alot of Marsh noise
12	11	DNC	
13	4	DNC	
14	4	Native	
15	5	Soundhills	
16	4	"	
17	3	"	
18	3	Native	
19	8	Beaver Pond	
20	10	Bolstad's fields	
21			
22			
23			
24			
25			

Total: 184Crows/Stop: 9.2

Good day for survey!

PHEASANT CROWING COUNT ROUTE

Date: 4-29-86

Route No: 3

Time Mileage

Start: 0524 27956.5

Weather: Clear - 1-2 mph SW

End: _____

Survey 0547

OBSERVER: S. MARET (W)

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	50	FARM FIELDS	
2	18	DNC / FARM	MOD. NOISE - Crows, hawk
3	9	DNC - NGL	WINDY - S - 1-2 mph W
4	10	NGL	"
5	10	NGL	"
6	7	MARSH - SOUTHERN	"
7	10	MARSH / NGL	653 owl " "
8	6	MARSH / NGL	"
9	10	NGL - Ind. Scaup	
10	11	NGL	
11			REPEAT
12			LATER
13			
14			
15			
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23			
24			
25			

Total: 137

Crows/Stop: 13.7

PHEASANT CROWING COUNT ROUTE

Date: 5-1-06

Route No: 3

Time Mileage
Start: 0521 28059.9

Weather: Foggy - calm

End: 0610 28068.9

2nd Attempt

OBSERVER: S. MARTIN

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	32	NGL	
2	24	NGL	mod. duck dist.
3	12		hind goose up 20 S. H. W.
4	3	Marsh / NGL - mostly H. W.	Marsh ch. H. W. 1
5	2	Marsh / NGL	Marsh ch. H. W.
6	13	NGL	
7	14	NGL	Mod. H. W.
8	16	NGL / D. H. C.	
9	15	NGL / D. H. C.	
10	14	Farm fields	
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23			
24			
25			

Total: 145

Crows/Stop: 14.5

PHEASANT CROWING COUNT ROUTE

Date: 4/29/86

Route No: 2

Start: 0525 Time 76.7 Mileage

Weather: clear, winds ^{SW} at 3 MPH,
40°F

End: 0645 85.5

OBSERVER: Ron Hicks

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	2	native / fields	OK
2	4	native / fields	OK
3	5	DNC / marsh	OK
4	8	DNC	OK
5	9	Native	wind up to 5-7 MPH
6	12	Native	noise from truck driving by
7	15	Native	OK
8	15	DNC / Native	noise from road equipment nearby
9	8	Native	noise from road equipment nearby, winds increased to 12 MPH
10	0	Native	heavy equipment noise precluded ability to hear anything, wind up to 15 MPH
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22			
23			
24			
25			

Total: 78

Crows/Stop: 7.8

PHEASANT CROWING COUNT ROUTE

Date: 5/1/86

Route No: 2

Time Mileage
Start: 0520 16.6
End: 0615 25.6

Weather: Foggy, 32°F, wind
NE at 5 MPH

OBSERVER: Ron Hicks

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	14	native / marsh	OK
2	10	native / grain field	OK
3	8	DNC / marsh	noise from geese flock
4	3	DNC	distant vehicle noise
5	10	native	distant vehicle noise, wind increase to 9MPH
6	26	native	wind 7-8MPH
7	21	native	wind 8-10, duck noise
8	18	DNC / native	OK
9	23	native	OK
10	10	native	OK
11			
12			
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21			
22			
23			
24			
25			

Total: 143

Crows/Stop: 14.3

PHEASANT CROWING COUNT ROUTE

Date: 4/23/86

Route No: 1

Start: Time 4:50 MST Mileage 8310.0

Weather: 45° Calm Partly Cloudy

End: 6:18 8328.7

Ending: 45° 7 mph wind P/C

OBSERVER: Brock

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	8	Native	some gull noise
2	5	Native/DNC	
3	6	Hdgtrs	
4	6	DNC	
5	6	Crop	
6	6	Native	
7	2	Native	
8	4	Native/crop	Schmitz field
9	6	Sayer Bay	some marsh noise
10	2	Schmitz Rd/Sayer Bay	too much marsh noise
11	6	mixture native/DNC	
12	7	DNC	
13	4	DNC	
14	5	DNC Schmitz farm	
15	2	Sandhills	Breezy
16	0	sandhills	Breezy
17	3	native	Breezy
18	3	native	OK
19	4	DNC Beaver Pond	OK
20	3	Bulstad fields	Breezy
21			
22			
23			
24			
25			

Total: 82

Crows/Stop: 4.1 crows/stop

Schmitz houses

PHEASANT CROWING COUNT ROUTE

Date: 4/29

Route No: 1

Start: Time 0520 Mileage 8438.8

Weather: Clear 148°F WSW wind

End: 0710 8457.8

picked up @ 0620

OBSERVER: J. ENSIGN

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	6	Ag.	
2	4	Wetland	goose & gull noise
3	1	"	
4	0	"	
5	0	"	
6	0	"	
7	2	DNC	Wind picked up
8	4	"	
9	5	"	
10	2	"	
11	1	NBL	Wind 7.5 mph
12	1	NBL	
13	0	NBL	
14	0	NBL	
15	1	DNC	
16	2	DNC	
17	1	DNC	
18	0	DNC	
19	0	DNC	
20			
21			
22			
23			
24			
25			

Total: 30

Crows/Stop:

REDO

1986

PHEASANT CROWING COUNT ROUTE

Date: 5/1/86

Route No: 1

Time Mileage
Start: 0510 8497

Weather: Cool $\pm 32^{\circ}F$

End: 0640 8515

Foggy at 0530

OBSERVER: ENSTEN

STOP	CROWS	HABITAT	REMARKS	(DISTURBANCE)
1	23	Native / marsh	gull noise	
2	11	" DNC	goose noise	
3	14	DNC / Stubble / windbreak		
4	4	Native, short		Foggy
5	7	Stubble / Fallow		wind picking up
6	0	Native, short		from ESE - variable
7	6	↓		
8	3	↓		
9	4	marsh / native		
10	0	↓		
11	5	↓		
12	1	Formed strip / burned area		
13	6	DNC / Native		
14	11	Native / Farmstead		
15	3	Native		
16	4	↓		
17	0	↓		
18	1	↓	gull noise	↓ ↓
19	0	↓		
20	1	↓		
21				
22				
23				
24				
25				

Total: 104

Crows/Stop: 5.2

PHEASANT CROWING COUNT ROUTE

Date: 4-28-87

Route No: 3 - HOMESTEAD

Start: Time 0520 Mileage 42623.9

Weather: CALM - PART. CLOUDY

End: 0610 42632.9

OBSERVER: S. MARTIN

(10) STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	42		Low noise
2	31		Mod. noise - H2O flowing
3	6		Extreme noise - Marsh, birds.
4	15		" " " " H/S 7:08
5	8		" "
6	17		Mod. noise. Sunrise 545
7	19		Mod. noise
8	16		High noise.
9	11		Low noise
10	16		Low noise.
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 101

Crows/Stop: 10.1

PHEASANT CROWING COUNT ROUTE

Date: 4-28-87

Route No: #2

Time Mileage
Start: 5:25 02.8

Patrol Road Between #11 & 12 Lake

End: 6:36 12.0

Weather: Warm

Partly cloudy Calm

OBSERVER: Layne Krumwiede

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	12	Marsh, fields & Crested Wt.	lots Marsh Noise, Ducks & Geese
2	16	Fields / Native Prairie	Marsh, Ducks & Oil Rig Noise
3	30	^{Native Prairie} Crested Wheat / Fields	Geese noise
4	18	Fields / Crested / Marsh	Marsh, Ducks noise & Oil Rig Noise
5	18	Marsh / Crested / Woods Road	Marsh & Geese Noise
6	18	Marsh / Native Prairie	Geese Noise
7	27	Marsh	Geese & Black Bird Noise
8	22	^(Native) Crested / Marsh	Pretty Good Location
9	26	^(Native) Fields / Crested / Woods Road	Good
10	25	^(WPA) Fields / Crested (Native)	Some low noise
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 212
Crows/Stop: 21.2

Seems ~ 8 Males Along Roadside

PHEASANT CROWING COUNT ROUTE

Date: 4/29/87

Route No: #2

Time Mileage
Start: 5:18 46.0
End: 6:30 55.0

Patrol Road Between the 12 lakes
Weather: Light Breeze out of the North ; Clear Skies

OBSERVER: Jayne Krummrich

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	22	Fields / Crested Wheatgrass	Some Marsh Noise
2	21	Fields / Native Prairie	Good
3	27	Fields / Native Prairie	Good
4	21	Field / Crested Wheat Grass (Native)	Oil Rice Noise
5	30	Water Bank	Good
6	18	Marsh / Native	Block Bird Chatter
7	27	Marsh / Native	Marsh Noise
8	26	Marsh / Native	Good
9	22	Marsh / Native	Grass Noise
10	32	Fields / WPA	Good
11			
12			Not as much Marsh
13			Disturbance as 4/28/87
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 246
Crows/Stop: 24.6

Seen ~ 12 rooster along the patrol road.

PHEASANT CROWING COUNT ROUTE

Date: 4/29/87

Route No: #1 census count 2

Start: Time 5:25 Mileage 61232.4

Weather: Wind ± 5 mph ENE

End: 07:10 61252.3

moderate temps

OBSERVER: J. ENSIGN

STOP	CROWS	HABITAT	REMARKS	(DISTURBANCE)
1	14		gull noise	wind
2	9			wind
3	5			wind
4	8			
5	5			
6	3			
7	4			
8	4			wind dying down
9	2			marsh noise
10	5			some marsh m noise
11	0	marsh	Sage Bay - 10B	
12	3			blackbird noise
13	4			
14	0			wind, gull
15	5			
16	1			
17	3			
18	0			wind
19	2			
20	2			
21				
22				
23				
24				
25				

Total: 79
Crows/Stop: 4.16

#11 eliminated - Sage Bay, Texas Crossing
too much gull noise

1987

PHEASANT CROWING COUNT ROUTE

Date: 4/28/87Route No: #1 Crows count 1Time
Start: 5:25 Mileage 6117.7End: 07:15 6119.6Weather: wind 0-5 N, 25% overcastOptimal $\Rightarrow$ moderate tempsOBSERVER: ENSLIN

STOP	CROWS	HABITAT	REMARKS	(DISTURBANCE)
1	13	Ager / DNC, wetland	gulls - geese	bittern heard
2	11	" "	"	"
3	8	Ager / new DNC	grackles	1/1 mi W of Hdqts
4	4	DNC / barred Brn		
5	11	Fallow, stubble, winter wheat		
6	4	Fallow, native, wetland		
7	3	native, wet coulee	horned larks	
8	3	Fallow / stubble	horned larks	N wind increasing ± 5 mph
9	2	native / marsh	Much background noise	Sayer Bay / T.H. Bay
10	2	native	marsh sounds	lots of pipits
11	0	marsh, Ager	Franklin's gull noise	
12	3	DNC / recently planted field	blackbird noise	
13	4	DNC / Fallow		
14	1	Ager, Fallow Lake		
15	2	Pasture, wind break, Agsm	Joe Schmutz's	grazed
16	0	Native Sandhills		grazed
17	1	" "		grazed
18	1	" "		"
19	4	Beaver Pond	some gull noise	"
20	3	Winter wheat, stubble Ager		
21				
22				
23				
24				
25				

Total: 80Crows/Stop: 4.21#11 stop not counted $\rightarrow$ Texas crossing too many gulls

PHEASANT CROWING COUNT ROUTE

Date: 4/19/88

Route No: Homestead

Start: Time 5:33 Mileage 67285.9

Weather: Clear, calm

End: 6:28 67294.8

OBSERVER: MARTY BRAY

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	49		Hen Mallard circling & quacking
2	54		" " " " "
3	38		
4	37		
5	29		
6	43		
7	46		
8	53		
9	46		
10	51		
11			Overall, more interference from
12			calls of other birds
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 446

Crows/Stop: 44.6

PHEASANT CROWING COUNT ROUTE

Date: 4/18/88

Route No: Homestead

Time Mileage
Start: 05:35 67201.2

Weather: Partly Cloudy, light wind

End: 6:33 67211.2

OBSERVER: MARTY BRAY

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	66		
2	65		
3	69		
4	64		
5	34		
6	55		
7	74		
8	61		
9	55		
10	37	east side wheat stubble west-plowed	
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 580

Crows/Stop: 58

PHEASANT CROWING COUNT ROUTE

Date: 4-18

Route No: 2

Time
Start: 5:31

Mileage

9425

Weather: Partly Cloudy; Calm

End: 6:40

9434

Temp. 20° (Sunrise 5:58)

OBSERVER: Layne Krummholz

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	34	Aggr; STUBBLE & STANDING wheat	Noise w/ flock of geese in back ground.
2	35	Aggr, ROWS SYOL; farm fields	Good - some random bird noise
3	60	Aggr DNE;	Good - some goose noise
4	18	DNE	Poor - Oil RIG NOISE
5	25	Marsh Habitat; Aggr mixed w/ native	Fair - mad mother (noise carrying on.
6	42	Aggr mixed w/ Native. SYOL & ROWS Marsh Habitat	Good - little marsh noise
7	55	Aggr/Native. marsh Habitat	Excellent
8	41	Aggr/Native, marsh; Aggr	Good - little marsh noise
9	51	DNE; Native; Marsh	Excellent
10	17	Summer Gallow; Aggr/Native	Excellent - Don't know why so low
11			Ends of observation
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 388

Crows/Stop: 38.8

Saw 16 rosters on road.

PHEASANT CROWING COUNT ROUTE

Date: 4-18-88

Route No: 2

Start: Time 5:30 Mileage 57709.1

Weather: Clear Calm

End: 6:48 57718.2

TEMP ~20° (Sunrise 5:58)

OBSERVER: Rayne Krummholz

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	28		Good - Some Duck Noise
2	32		Excellent
3	44		Excellent
4	17		Poor - Oil Rice Noise
5	44		Good - Some Marsh Noise
6	56		Excellent
7	60		EXCELLENT
8	50		EXCELLENT
9	38		Good - Some Marsh & Car Noise
10	52		Excellent
11			
12			Much less Marsh Noise
13			today than 4-17-88
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 441
Crows/Stop: 44.1

12 rosters on road

PHEASANT CROWING COUNT ROUTE

Date: 4-18-88

Route No: #1

Start: Time 5:30 Mileage 41,856

Weather: 25° clear calm

End: 7:30 41,875

OBSERVER: Winter Smith

STOP	CROWS	HABITAT	REMARKS	(DISTURBANCE)
1	29	native	gulls & trucks	
2	15	native	gulls	4 Sharpshins
3	19	prc native / trees / marshland		1 Dove
4	12	native		2 Huns
5	7	Field / stubble	geese	
6	2	native		4 Huns
7	4	native / farm / Burn Area		
8	1	Field / stubble / native		
9	5	marsh / native	geese, ducks	2 Huns 1 G. Phoebe
10	7	/	geese	
11	6	/	geese	
12	9	Formed strip		2 Sharpshins
13	4	prc / native		2 Huns
14	1	native farm		1 P Pheasant
15	3	native		
16	4	/		
17	1	/		
18	5	/		
19	0	/		1 Sharpshin
20	0	/		
21				
22				
23				
24				
25				

Total: 142
Crows/Stop: 7.1

1988

PHEASANT CROWING COUNT ROUTE

Date: 10/4-19-88Route No: 1Start: Time 5:30 Mileage 41,971Weather: 20° Calm clearEnd: 7:40 41,996OBSERVER: Winter Smith

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	30	native/marsh	gull noise
2	17	native / DMC	gulls
3	19	DMC / trees / stubble	
4	20	native	
5	12	stubble	
6	8	native	
7	2	/ Burn Area	
8	2	/ stubble	
9	5	marsh / native	1 Hun
10	9	/	
11	6	/	bees
12	13	stubble / native	
13	7	DMC / native	
14	3	native / farm	gulls
15	7	native	
16	1	/	1 Sharp tail
17	2	/	
18	3	/	1 Sharp tail
19	2	/	4 Sharp tail / 5
20	4	/	gulls
21			
22			
23			
24			
25			

Total: 172Crows/Stop: 8.6

PHEASANT CROWING COUNT ROUTE

Date: 5-3-89

Route No: 1 Cont # 2

Start: Time 5:32 Mileage 50.0

Weather: 48° cloudy

End: 6:54 57.0

light breeze NW.

OBSERVER: Jaime Hernandez

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	12		Little Marsh noise
2	11		" " "
3	9		" " "
4	4		Black bird noise (wind picking up S.W.)
5	2		marshing - Blackbird & Coot noise
6	12		fair count
7	5		Marsh noise - getting windy
8	20		Good count
9	9		fair count Mist
10	3		raining
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 87
Crows/Stop: 8.7

PHEASANT CROWING COUNT ROUTE

Date: 5/1/89

Route No: 1 [?] Count # 1

Start: Time 5:25 Mileage 50842.5

Weather: 28-30° Light breeze N.W.

End: 6:20 50851.5

Good Day!! Clear

OBSERVER: Layne Krumwiede

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	10		Good Count
2	10		Good Noise
3	8		Marsh Noise
4	12		" "
5	9		Duck Noise
6	25		Good Count (Little Goose Noise)
7	7		Poor (Marsh Noise)
8	25		Good Count
9	32		Good Count
10	24		Good Count
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 162

Crows/Stop: 16.2

PHEASANT CROWING COUNT ROUTE

Date: 4-20-89

Route No: B - HOMESTEAD

Time Mileage
Start: 5:31 50725.5

Court # 1
Weather: Windy N.W. >10mph - 15mph

End: 6:29 50734.5

Warm 35° - Partly Cloudy

OBSERVER: KRUMHOLTZ

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	2	Agcr	WINDY - Duck noise
2	0	Agcr Native / Agcr	To WENAY
3	7	Marsh / Native	
4	2	Marsh / Agcr	Marsh + Blackbird noise
5	6	Marsh / Encroached Native	Croose noise
6	3	Encroached Native / STUBBLE	
7	22	Marsh	Marsh noise
8	16	Marsh, DNR / Encr Native	WIND
9	5	Summer fallow	
10	2	STUBBLE	
11			Way to WINDY FOR A Good Count
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 65

Crows/Stop: 6.5

PHEASANT CROWING COUNT ROUTE

Date: May 1 - 89

Route No: 2

Time Mileage
Start: 5:28 052.3

Weather: Calm - clear

End: 6:32 061.3

25°

OBSERVER: Lyle Hancock

STOP	CROWS	HABITAT	REMARKS	(DISTURBANCE)
1	1			
2	3			
3	2			
4	0			
5	1			
6	3			
7	6			
8	13			
9	7			
10	2			
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

Total: 38

Crows/Stop: 3.8

PHEASANT CROWING COUNT ROUTE

Date: 4-25-89

Route No: 2 #3 OBSERVATION

Start: Time 5:25 Mileage 163.2

Weather: CALM PARTLY CLOUDY

End: 6:10 172.2

34°F

OBSERVER: LYLE HANCOCK

STOP	CROWS	HABITAT	REMARKS	(DISTURBANCE)
1	3			
2	2			
3	4			
4	0			
5	2			
6	4			
7	16			
8	12			
9	7			
10	4			
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

Total: 54

Crows/Stop: 5.4

220 6:30
2 AMO

0.70 - 6:20
CHRON

PHEASANT CROWING COUNT ROUTE

Date: 4-21-89

Route No: 2 #2 SURVEY

Start: Time 5:32 Mileage 239.7

Weather: cloudy

End: 6:15 248.7

VARIABLE BREEZE IN/OUT

OBSERVER: LYLE HANCOCK

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	1		
2	2		
3	0		
4	1		
5	0		WIND PICKING UP
6	0		11
7	3		4
8	1		4
9	3		
10	2		
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 13

Crows/Stop: 1.3

PHEASANT CROWING COUNT ROUTE

Date: 4-20-89

Route No: 2 SUNVA #1

Time Mileage
Start: 5:33 174.7

Weather: LIGHT BREEZE FROM WEST

End: 6:27 183.7

CLEAR

OBSERVER: LYLE HANCOCK

STOP	CROWS	HABITAT	REMARKS	(DISTURBANCE)
1	0	CROPLAND PARRIE		
2	0	" "		
3	3	HAY MEADOW "		
4	1	CROPLAND " DNC	OTL WELL	
5	1	WET LANDS "		
6	6	" "	GEEOSE TALKING	
7	7	" "	water birds	
8	10	" DNC	GEEOSE	
9	1	" "	WATER BIRDS	
10	0	CROPLAND DNC	TRAFFIC NOISE	
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

Total: 29

Crows/Stop: 2.9

PHEASANT CROWING COUNT ROUTE

Date: 4-25

Route No: Headgate fence →

Time Mileage

Start: 5:30 54.696

Weather: partly cloudy 110°

End: 7:30 55.716

OBSERVER: W. Smith

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	8	open ground	10/10
2	9	open ground	10/10
3	16	open tree area	10/10
4	5	open tree area	10/10
5	5	open ground	10/10
6	2	open ground	10/10
7	0	open ground	10/10
8	0	open ground	10/10
9	2	open ground	10/10
10	4	open ground	10/10
11	4	open ground	10/10
12	1	open ground	10/10
13	0	open ground	10/10
14	2	open ground	10/10
15	1	open ground	10/10
16	0	open ground	10/10
17	0	open ground	10/10
18	0	open ground	10/10
19	0	open ground	10/10
20	0	open ground	10/10
21			
22			
23			
24			
25			

Total:

Crows/Stop:

PHEASANT CROWING COUNT ROUTE

Date: 4-20-89

Route No: Headquarters → South side

Start: Time 5:30 Mileage 54,273

Weather: clear calm 45°

End: 7:30 54,293

OBSERVER: W. Smith

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	17	DNC	6u1/s
2	7	DNC	6u1/s
3	17	Native Tree grove	song birds & gulls
4	11	stubble Burn area DNC	
5	5	Fallow hayed encroached	
6	0	Fallow burn area encroached	
7	0	Stubble	
8	2	native, wetland	gulls
9	2	encroached - Crested	
10	0	Wetland	geese
11	4	DNC	
12	2	Crested Wheat fields	
13	1	patine crested wheat	gulls
14	0	native	
15	0	native	breese
16	0	native	breese
17	0	Encroached	/
18	0	Fallow	
19	1	stubble Encroached	
20	0	native	
21			
22			
23			
24			
25			

Total: 69

Crows/Stop: 3.45

PHEASANT CROWING COUNT ROUTE

Date: 5-3-90

Route No: Homestead #3

Start: Time 5:15
Mileage 36076.3
 End: 6:12
36085.6
9.3

Weather: Clear 33° NW 0-5
wind increased 5-10 during ct.

OBSERVER: THORPE

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	4	crested wr. fields	horse noise
2	4	" "	deer geese songbirds
3	4	" "	" "
4	6	crested & downy woodpeckers	" " " NW wind 5+ SE 5+
5	14	" " New Down	" " "
6	20	Native w/ crested crowbirds	" " "
7	11	crested fields	" " "
8	7	Lake, Marsh	" " " Wind
9	15	crested fields	blackbirds " "
10	7	plowed Ag fields	" "
11			10th stop 7 tentles short of Hwy 350
12			in crew cab.
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 92
 Crows/Stop: 9.2

PHEASANT CROWING COUNT ROUTE

Date: 5-10-90

Route No: 3 - Homestead

Time Mileage
Start: 5:00 36298.1

Weather: Clear 30° calm

End: 5:50 36297.1

OBSERVER: Thorne

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	14	crested wh. fields	
2	5	" " "	geese
3	3	" " "	Songbirds, waterfowl
4	12	crested / deep marsh emerg.	shorebirds " "
5	5	" " " (w/crested)	Y.H. Bl. Birds Sunrise 5:24
6	13	Native w/crested emerg.	Songbirds
7	9	crested wh. fields	geese
8	9	lake - marsh	geese, Y.H. Bl. birds
9	8	crested wh. fields	Y.H. Bl. Birds
10	17	Flowed Ag. fields	10 th stop 7 miles short of Hwy 350
11			in crew cab
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 95

Crows/Stop: 9.5

PHEASANT CROWING COUNT ROUTE

Date: MAY 10, 1990

Route No: 2, LAKE CREEK FLAT

Start: Time 5:05 Mileage 42531.1

Weather: CALM, CLEAR

End: 6:10 42540.1

OBSERVER: LYLE L. MAHCOCK

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	4		geese song birds
2	3		song birds
3	4		
4	4		oil well, song birds (medium birds)
5	8		shore birds, ducks
6	6		geese, shore birds, medium birds
7	10		shore birds
8	14		shore birds (fire warning on Oct. 12)
9	6		" " morning here.
10	4		" "
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 63

Crows/Stop: 6.3

PHEASANT CROWING COUNT ROUTE

Date: MAY 1, 1990

Route No: LAKE CREEK FLINT #2

Start: Time 5:22 Mileage 12077

Weather: CLOUDY CALM 28°F

End: 6:18 12087

OBSERVER: LYLE HANCOCK

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	8	GRASS, PRAIRIE FIELDS	
2	14	" " "	
3	10		
4	3		oil wells
5	5		grass, brush, some birds
6	10		" " " fog
7	26		" " " fog
8	22		" " " fog
9	9		" " " fog
10	12		" " " fog
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 119
Crows/Stop: 11.9

PHEASANT CROWING COUNT ROUTE

Date: 5/12/90

Route No: #1: Med. Lake

Start: Time 0503 Mileage 0.0

Weather: Clear-calm

End: 0640 18.6

OBSERVER: T Fuller

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	9		503 gulls
2	5		13 "
3	12		17 "
4	10		22
5	13		27
6	13		32
7	5		37
8	3		42 Grouse crouching to S toward lake
9	6		47
10	7		52 9 Hb/k birds
11	5		57 " " "
12	4		62
13	4		6
14	2		11
15	0		17
16	0		22
17	4		29 : 8 birds on lek #10
18	7		34 cattle from Orvis's
19	5		39 9 Hb/k birds
20	2		lost at 18.6 on 5-10 odometer
21			
22			
23			Excellent conditions
24			
25			

Total: 116
Crows/Stop: 5.8

② 6-15-90 AT

PHEASANT CROWING COUNT ROUTE

Date: 5/11/90

Route No: 1: Medicine Lake

Time Mileage
Start: 0515 0.0

Weather: Snowed: 0.5" last night

End: 0602 19.7

Wind < 5 to calm. 28°F

OBSERVER: T. Fuller

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	11		Gull noise < 5 mph
2	10		" " heard hdgts birds
3	14		" " "
4	19		" " heard hdgts birds
5	11		" " "
6	5		" " calm
7	3		" " "
8	5	cropland-SF:	" " "
9	2		much wetland bird species noise
10	9		gull noise
11	0		yellow headed blk bird noise
12	7		
13	1		log bank
14	1		
15	0		1 ♂ grouse on ground #7
16	0		
17	1		
18	5		flushed 2 ♀ grouse off #26
19	1		yellow headed blk bird noise
20	5		post at 19.7 miles instead 20
21			on 5-10 odometer
22			
23			
24			
25			

Total: 110

Crows/Stop: 5.5

Table 16. Total crows and crows/stop for three routes, Medicine Lake NWR, 1978-89.

Year	<u>Transect #1</u>		<u>Transect #2</u>		<u>Transect #3</u>	
	Crows	Crows/stop	Crows	Crows/stop	Crows	Crows/stop
1978	187	9.4	-	-	-	-
1979	270	13.5	42	4.2	-	-
1980	354	17.7	113	11.3	-	-
1981	407	20.4	251	25.1	-	-
1982	515	25.8	305	30.5	-	-
1983	321	16.1	219	21.9	302	30.2
1984	295	14.8	297	29.7	503	50.3
1985	184	9.2	217	21.7	340	34.0
1986	104	5.2	143	14.3	145	14.5
1987	80	4.2	246	24.6	181	18.1
1988	172	8.6	441	44.1	580	58.0
1989	69	3.4	54	5.4	162	16.2
1990	116	5.8 (+68%)	119	11.9 (+120%)	95	9.5 (-41%)

Transect #1 = Patrol road around Medicine Lake.

Transect #2 = Northeast portion of refuge.

Transect #3 = Homestead Unit.

$$\frac{+68 + 120 - 41}{3} = +49\%$$

PHEASANT CROWING COUNT ROUTE

Date: 5/8/91

Route No: 3

Time Mileage
Start: 0510 20460.7

Honestead
Weather: Clear, 40°

End: 0550 20467.7

wind 1-3 SE

OBSERVER: McAlum

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	4	grassland	
2	5	grassland/marsh	
3	2	" "	1 ♂ along rd
4	17	Marsh	
5	6	"	
6	11	grassland	2 ♂
7	23	"	
8	12		1 ♂
9	80		
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 80

Crows/Stop: 8.0

PHEASANT CROWING COUNT ROUTE

Date: 5/2/91

Route No: 3 - Homestead Unit

Time Mileage
Start: 5:15 a 20327.4

Weather: Ptly Cldy, Calm, 25°F

End: 5:55 a 20334.4

OBSERVER: M^cCollins

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	4	grassland	
2	1	"	water noise at FSD
3	5	grassland/marsh	
4	10	marsh	
5	7	marsh	godwits
6	13	marsh / grassland	
7	11	" "	
8	4	grassland	
9	<u>55 total</u>		
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 55

Crows/Stop: 6.9

PHEASANT CROWING COUNT ROUTE

Date: 5/8/91

Route No: 2 Lake Grade

Time Mileage
Start: 0515 594.3

Weather: 45° Breeze ~5 mph

End: 0600 603.3

OBSERVER: J. STANTON & T. GREENE

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	6	1/2 CROPLAND 1/4 GRASSLAND	
2	4	"	
3	7	FALLOW FIELDS / GRASSLAND	ST-GROUSE CROWING DUE SOUTH
4	3	"	
5	5	WETLAND / GRASSLAND 1/2 1/2	
6	3	WETLAND / MOSTLY GRASSLAND	
7	7	"	
8	10	"	PASSED COCK ALONG ROADSIDE
9	3	"	
10	8	1/2 CROPLAND 1/2 GRASSLAND	PASSED COCK ALONG ROADSIDE
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 56

Crows/Stop: 5.6

STOPS - 10, 1 mile apart

PHEASANT CROWING COUNT ROUTE

Date: 5/2/91

Route No: 2 Lake Grade

Time Mileage
Start: 0515 806.3

Weather: 30's - FAINT BREEZE

End: 0606 815.3

>90% CLOUD * CLOVER

OBSERVER: JOHN STANTON

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	6	1/2 CROPLAND 1/2 GRASSLAND	
2	4		PASSED 1 COCK ALONG ROAD EDGE.
3	7		PASSED 1 COCK ALONG ROAD EDGE.
4	5		PUMP NOISE
5	8		PASSED 1 COCK ALONG ROAD EDGE 100% GRASSLAND
6	4		PASSED 1 COCK ALONG ROAD EDGE
7	5		
8	10		
9	7		PASSED 1 COCK ALONG ROAD EDGE
10	3		1/2 CROPLAND 1/2 GRASSLAND
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 59

Crows/Stop: 5.9

PHEASANT CROWING COUNT ROUTE

Date: 5/8/91

Route No: 1 : Med Lake

Start: Time 0510 Mileage 00.0

Weather: PC, 50°, ~~50°~~

End: 0645 20.0

OBSERVER: Fuller-Husband

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	14		
2	5	1430	
3	9	1415	Wind 15 mph
4	7	24	4 11 11 11
5	7 3	2430	
6	4	5415	
7	8	35	
8	8	39.7	
9	10 8		
10	10	44	
11	7	4720	
12	6	5330	
13	2	5636	
14	5	045	
15	9	5415	
16	3	41	ST 10K to E
17	3	745	
18	2	145	
19	3	110	
20	5	445	
21			
22			
23			
24			
25			

Total: 127

Crows/Stop: 6.4

PHEASANT CROWING COUNT ROUTE

Date: 5/21/91

Route No: 1: Med Lake

Start: Time 515 Mileage 201.5

Weather: PC 28

End: 642 223.5

NW @ 5°

OBSERVER: Feller

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	12		
2	1		
3	9		
4	8		
5	3		
6	1		Wind 25 mph
7	0		" " "
8	0		" " "
9	6		gulls + geese
10	4		
11	10		
12	6		
13	4		
14	2		
15	3		
16	0		
17	0		Wind 25 mph
18	0		" " "
19	5		" " "
20	3		" " "
21			
22			Less than ideal conditions
23			cold overcast some stops
24			had wind 25 mph
25			

Total: 80

Crows/Stop: 4

PHEASANT CROWING COUNT ROUTE

Date: 5/5/92

Route No: #3

Time Mileage
Start: 5:15 55-896

Weather: clear, calm

End: 6:15

OBSERVER: JW

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	21		
2	12		truck passing nearby
3	22		
4	32		
5	36		
6	17		
7	30		
8	36		
9	29		
10	22		
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 257

Crows/Stop: 25.7

PHEASANT CROWING COUNT ROUTE

Date: 4/29/92Route No: 3 - HomesteadTime
Start: 0525 Mileage
0.00Weather: P/c 50° 2-3 mph SEnd: 0624 9.10OBSERVER: Rabenberg, Worley

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	16		Godwits
2	17		
3	13		
4	35		
5	36		
6	38		
7	37		
8	22		
9	29		
10	17		
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 260

Crows/Stop: ~~10~~ 26.0

PHEASANT CROWING COUNT ROUTE

Date: 5/5/92

Route No: 2

	Time	Mileage
Start:	<u>5:10^{am}</u>	<u>43672.7</u>

Weather: mostly clear - no wind - 50°

End: 5:52_{am} 4.3682.7

OBSERVER: Brad McLeod

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	11 12	DNC - Refuge	—
2	10	DNC - wheat stubble	— Grouse - 2
3	13	DNC	— Grouse - 2 - Partridge - Flush (2)
4	11	cat tail mostly 75%	Sharp tail Grouse Flush (1) (oil well)
5	15	cat tail / DNC 50/50	—
6	20	DNC / wetland	—
7	14	wetland / DNC	— Flush 2 pheasants cocks
8	14	DNC / wetland	— Grouse
9	10	wetland / DNC - Road Junction	— Flush male + Female Pheasant
10	24	wheat stubble / DNC	Track along Grouse Rd. Pass by
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 148

Crows/Stop: 14.8 crows/stop

4
54
24
25

PHEASANT CROWING COUNT ROUTE

Date: 4/29

Route No: # 2

Time
Start: 5:39

Mileage
55765

Weather: clear, calm, 45-50

End: 6:37

55775

OBSERVER: Heather Husband

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	23	Farm fields	Grouse flush 4
2	33	Grass: farm fields	
3	33	crested wheat	
4	31	Burn area / crested wheat	Oil pump noise / over bird
5	27	crested / bahua lakes "1,2	
6	29		
7	25	crested	
8	23		
9	12	marsh grasses fragmites	Crus / oil well
10	25	crested, pubescens, fern	oil well
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 261

Crows/Stop: 26.1

#1

PHEASANT CROWING COUNT ROUTE

Date: 4/29/92Route No: #1Start: Time 0520 Mileage 0.0Weather: Thin clouds - hazeEnd: 0649 19.0OBSERVER: Fuller

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	26		Gull noise
2	5		Goose + gull noise
3A 38 30 3	13		Heather passed
42 40 47 4	19		
5	18		
6	10		
51 7	7		
8	8	5570	
9	21	5920	Hear grouse 100. to 50.
10	22	130	Vehicle passed on Lake Grade
9 11	24		
13 30 12	13		
17 45 13	26		Grouse coming to W
20 14	6		
21 15 15	7		
24 15 16	6		
38 20 17	6		
41 10 18	5		
47 30 19	15		
52 20	10		
21			
22			
23			
24			
25			

Total: 267Crows/Stop: 13.35

PHEASANT CROWING COUNT ROUTE

Date: 5/5/92

Route No: #1

Start: Time 0507 Mileage 0.0

Weather: Temp 85, Clear-calm

End: 0635 19.0

11 11 11 25

OBSERVER: Fuller

STOP	CROWS	HABITAT	REMARKS	(DISTURBANCE)
12:30 1	27			
15:45 2	6			
20:50 3	21			
25:20 4	15			
29:25 5	9			
33:40 6	8			
37:40 7	3			
41:45 8	6			
46 9	13			
50:17 10	18			
55:30 11	11			
29:30 12	13			
3:40 13	16			
8 14	6			
12:40 15	5			
17:20 16	3			
24 17	9			
28:25 18	4			
33:10 19	6			
37:40 20	5			
21				
22				
23				
24				
25				

Total: 207

Crows/Stop: 10.2

PHEASANT CROWING COUNT ROUTE

Date: 5-11-93

Route No: Honestead

Start: Time 4:58 Mileage 36001

Weather: 47° - calm clear

End: 5:52 36010

Finish 50° - South breeze -

OBSERVER: Dennis Nelson

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	17		alot of morning doves
2	16		water flowing from Indians Sec. Park
3	24		geese
4	48		
5	31		
6	35		Vehicle on West Ford Highway
7	43		geese
8	22		Ducks - geese
9	18		Black birds
10	23		
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 277

Crows/Stop: 27.7

PHEASANT CROWING COUNT ROUTE

Date: 4-22-93

Route No: Homestead

Start: Time 5:27 Mileage 35904.0

Weather: 30° calm-clear

End: 6:34 35913.5

OBSERVER: Dennis Nelson (Croy Homestead)

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	20 	Crested wht grass	
2	31 	" " "	lots of duck noise's
3	30 	phragmites-Bullrush	" " other bird noises
4	57 	Tall wht grass-phragmites, Bullrush	seen 4 males
5	43 	Tall wht grass-woods	geese & ducks - (12 birds 1 male pheasant)
6	57 	Native grass, winter wild field	
7	43 	Shore creek & Beaver dam (dry at corner)	
8	20 	old dam & beaver dam	geese, ducks & shore birds making it hard to hear
9	28 	tree farm fields, dry creek bottom	truck on Highway by Homestead
10	21 	farm fields - stubble & Sunnyside	vehicle noise Highway 16
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 350

Crows/Stop: 35.0

PHEASANT CROWING COUNT ROUTE

Date: 5/11/93

Route No: 2

Start: Time 0503 Mileage 188.7

Weather: Calm, Clear

End: 0610 197.7

OBSERVER: F.R

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	51		Meadowlarks, Geese
2	59		Meadowlarks
3	69		"
4	39		Oil Pump, Meadowlarks
5	54		Hoove, Willet
6	50		Willet, birds "peenting"
7	60		Geese
8	38		Geese
9	34		Yellow-headed Blackbirds
10	32		Meadowlarks
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 486

Crows/Stop: 48.6

6 Pheasants seen on road

PLEASANT CROWING COUNT ROUTE

Date: 4-22-93

Route No: #2

Start: Time 0530 Mileage 000

Weather: Clear Calm 30°

End: 0649 009

OBSERVER: ZK & FR

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	88	FARM FIELD ; Tame Grass	Oil WELL
2	49	" "	Grouse. NOISE - Meadow Larks
3	47	Hay FIELD ; "	Ground, Meadow Larks ; Oil WELL
4	38	Alfalfa ; Native Prairie	Oil WELL
5	82	Wetland - Native Prairie	Meadow Larks - Bull's Head Count
6	66	Wetland - Prairie	Ducks, Meadow Larks, Grouse - ^{flushed} 4-eggings
7	60	Wetland - Prairie	Ducks & Grouse 1-Roadster
8	59	Wetland - Emergent Prairie	Grouse, Meadow Larks
9	54	WETLAND - Prairie	Ducks 1-egg 2-few
10	48	FARM FIELD - Prairie	Meadow Larks
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 591

Crows/Stop: 59.1

PHEASANT CROWING COUNT ROUTE

Date: May 11, 1993

Route No: Medicine Lake

Start: Time 500 Mileage 0

Weather: Clear, calm

End: 635 19

OBSERVER: T. Gutzke

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	44		
2	38		
3	26		
4	20		
5	18		
6	22		
7	8		
8	16		
9	24		
10	10		
11	22		
12	10		
13	12		
14	8		
15	14		
16	14		
17	8		
18	8		
19	13		
20	9		
21			
22			
23			
24			
25			

Total: 344

Crows/Stop: 17.2

PHEASANT CROWING COUNT ROUTE

Date: 4-22-93

Route No: 1

Time Mileage
Start: 5:40 000

Weather: clear cool calm

End: 7:20 19.0

OBSERVER: T. Budge

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	21		vehicles on highway
2	20		"
3	23		geese, gulls
4	16		grouse lek
5	19		
6	6		grouse lek
7	9		oil well
8	12		
9	16		
10	26		
11	24		
12	13		
13	0		
14	12		
15	5		
16	7		
17	7		
18	4		Orvis's cattle
19	1		
20	8		
21			
22			
23			
24			
25			

Total: 249

Crows/Stop: 12.45

PHEASANT CROWING COUNT ROUTE

Date: 5-18-94

Route No: 3

Start: Time 5:00 Mileage 15369.7

Weather: Calm - Clear

End: 5:57 15379.2

OBSERVER: Dennis Nelson

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	III	2	prairie other duckie birds
2	II	2	prairie water flowing out of Ind. Ser. DAM
3	I	1	water/prairie Geese
4	III	8	water/prairie water fowl of all kinds
5	III	3	Iron Curtain water flowing out of Iron Curtain
6	III	13	prairie / farm silos Geese
7	III	3	water/prairie Shores Creek DAM / water fowl
8	III	4	water / pond / prairie water fowl - Beaver
9	III	7	grain fields / trees / water other wild life - By Lost Creek
10	III	8	grain fields duckie birds
11	I	1	farm / grain fields duckie birds / doves
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 54
Crows/Stop: 4.9 per stop

PLEASANT CROWING COUNT ROUTE

Date: 5-3-94

Route No: 3

Start: Time 5:24 Mileage 14848.6

Weather: SW wind 0-5

End: 6:16 14858.2

clear

OBSERVER: Dennis Nelson

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	0	Short Grass	Hogwings Doves
2	0	Short Grass	Water through Ind. Sewer / Geese
3	11 2	Short Grass / Water	Geese
4	11 15	Water / prairie	Water fowl of all kinds
5	11 2	By Iron curtain	Water fowl out of Iron curtain
6	11 13	prairie / grain field	Geese
7	11 10	Water / prairie	Sheep Creek - Water fowl
8	11 8	Water / DNE field / prairie	Misc. Birds of all kinds
9	11 5	grain field / prairie / trees / lot / creek	Misc. Birds - Boat
10	11 8	grain fields	Marbled Godwit
11	11 7	Town / grain fields	Mourning Doves
12			
13			
14			
15		Observed - 8 males white circling	
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 70

Crows/Stop: 6.36

PLEASANT CROWING COUNT ROUTE

Date: 5/25/94

Route No: 2 - Count #2

Time Mileage
Start: 4:50 0.00
End: 6:02 9.0

Weather: Clear Wind 3 mph N.

OBSERVER: L. Krumwiede

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	36		Meadow Area - Good Count
2	25		Good Count
3	25		LITTLE OIL WELL NOISE Flushed 1-by stop
4	12		POOR COUNT: LOTS OF OIL WELL NOISE
5	17		FAIR COUNT: ^{1st on 3rd} OIL WELL & MARSH NOISE
6	16		POOR → MARSH NOISE
7	32		^{1st on ROUTE} GOOD COUNT
8	21		^{1st on ROUTE}
9	26		FAIR COUNT
10	16		" "
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: **226**

Crows/Stop: **22.6**

4-0's Along ROUTE

PHEASANT CROWING COUNT ROUTE

Date: 5/3

Route No: 2

Time
Start: 5:25
End: 6:50

Mileage
0.2
9.0

Weather: PARTLY Cloudy; 38°
Light Breeze NE → SWITCHED NW

OBSERVER: Layne K. STEVE M.

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	16	FARM FIELDS / Ag CR	ALOT OF MARSH NOISE
2	16	FARM FIEW / Ag CR	SHARP TAIL NOISE. 1-male pleasant by pickup.
3	13	HAYED FIELD / Ag CR (DNC)	TO MUCH NOISE (POOR COUNT)
4	11	FARM FIELDS / DNC	ROOSE NOISE & OIL WELL NOISE 2-male on ^{filletail ROUTE} the
5	17	MARSH / NATIVES / Ag CR	ALOT OF MARSH NOISE (GOOTS) 1-male flunder on ^{ROUTE}
6	18	MARSH / NATIVES	ALOT OF BLACK BIRD NOISE & MARSH NOISE
7	33	MARSH / NATIVES	Good Count. A LITTLE MARSH NOISE & Meadow Lark
8	17	MARSH / DNC	COWS & VEHICLES - fair Count
9	23	MARSH / Ag CR	COWS → fair Count
10	19	FARM FIELD / Ag CR	Light Breeze - good Count.
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

Total: 183

Crows/Stop: 18.3

PHEASANT CROWING COUNT

Date: 5-17-94

Route No: 1

Time Mileage

Weather: Calm, clear

Start: 0510 0.0

49°

End: 0640 20.0

Observer: Romero, Runge

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	33	Prairie, RL 16	
2	29	Prairie	1 ♂ between stops 2 & 3
3	34	HR	Red-winged blackbirds loud
4	50	Prairie	2 ♀'s between stops 3 & 4
5	39	Prairie	
6	16	Prairie	Songbirds loud
7	8	Prairie - 2X grass	
8	11	Prairie	
9	17	Prairie, open water	Ducks loud in Sayer Bay
10	3	Near Texas crossing	Red-winged blackbirds loud
11	8	Prairie	
12	3	Prairie	
13	4	Prairie	
14	6	Prairie	
15	3	Prairie	1 ♂ between stops 14 & 15
16	0	Prairie	Wind picking up NNW 0-5 mph
17	9	Prairie	"
18	4	Prairie	"
19	12	Bolstad's farm fields	"
20	6	Prairie	"
21			
22			
23			
24			
25			

TOTAL: 295

CROWS/STOP: 14.75

PHEASANT CROWING COUNT ROUTE

Date: 5-3-94

Route No: 1

Time Mileage

Start: 0521 15016.6

MAIN LAKE

Weather: Calm, clear

End: 0707 15036.6

37°

OBSERVER: Ramiro, Spake

STOP	CROWS	HABITAT	REMARKS (DISTURBANCE)
1	13	Prairie fields	Most west of Rt. 16
2	29	Prairie, HQ	
3	31	Prairie	2 ♂'s seen between stops 2 & 3
4	41	Prairie	1 ♂ seen
5	43	Prairie	1 ♂ seen
6	30	Prairie	
7	11	Prairie — 2X grove	
8	28	Prairie	Red-winged blackbirds singing
9	5	Prairie, open water	Ducks & geese loud, wind SW 3 mph
10	8	Near Texas clearing	Wind SW 5 mph, ducks & other birds loud
11	17	Prairie	Windy
12	8	Prairie	
13	7	Prairie	Windy
14	6	Prairie	2 ♂, 2 ♀'s near Schmitz
15	5	Prairie	1 ♂ seen between stops 14 & 15
16	14	Prairie	
17	16	Prairie	
18	8	Prairie	1 ♂ seen crowing near road
19	3	Bolstad's Farm Fields	Windy! SW 5-7 mph
20	7	Prairie	
21			
22			
23			
24			
25			

Total: 360

Crows/Stop: 18

5-21-21
Scen - up

PHEASANT CROWING COUNT

Date: 5-17-95

Route No: Homesstead = 3

Time Mileage

Weather: clear - calm

Start: 4:53 26 70.1

Cool - 29°

End: 5:52 26 79.6
9.5

Observer: Dennis Nelson

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1		5 prairie	pick-up cawing down - exhaust
2		5 prairie	other waterfowl (Geese-ducks)
3		5 prairie - water	Norvic with Marsh Birds.
4		7 prairie - water	Geese - Bk Birds - everything - (Fog)
5		7 Iron - curtain	Goose - Ducks - Not too Bad.
6		6 prairie	Pheasants between last stop - SOSN
7		3 water	Geese & Sheep Creek
8		4 Prairie - DNE field	Dickie Birds - shore birds
9		7 fields - trees - bit creek	Doves - 30 birds
10		10 farm fields	Pickie Birds
11		4 Town - fields	Dickie Birds.
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TOTAL: 43
CROWS/STOP: 5.727

PHEASANT CROWING COUNT

Date: 5-4-95

Route No: 3

Time Mileage

Start: 5:15 2219.0

Weather: 0-3 clear - start
low
Freeze 5-8 Partly cloudy -

End: 6:10 2228.5

Observer: Deanis Nelson
Steve Macioszek

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	1	Short Grass	other birds
2	111	Short Grass	other birds
3	111111	Short Grass/water	Geese, Blk Birds
4	11	Prairie/water	Geese, Blk Birds
5	111111	Iron Curtain	Geese
6	11111111111	Short Grass	Geese
7	1111	Water	Sheep Creek - Major water fowl - Train also
8	111	Prairie-type field	Fence shaking out?
9	1111	Fields. Trees - pasture	Doves - Song birds
10	1111	Fields	Not too loud, almost quiet.
11	1111	Town - Fields	Doves
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TOTAL: 60
CROWS/STOP: 5.5

00:15
4:24
8:27

PHEASANT CROWING COUNT

Date: 5/18/95

Route No: 2

Time Mileage

Weather: Calm; Clear

Start: 4:45 0.00

46°

End: 5:17 9.00

Observer: L. Krumwiede

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	20		Meadow Larks - Tractor
2	44		Meadow Larks; Canada Lark
3	23		Duck Noise
4	19		10 ⁺ Pheasant; Oil Well Noise, Goose
5	21		10 ⁺ Pheasant; Lots of Waterfowl Noise
6	29		10 ⁺ Pheasant; Wetland Noise; Sharpshin Diving in Lake
7	39		Goose Noise
8	34		Noisy - Wetland Noise & Goose SHARPSHIN in Lake
9	23		10 ⁺ 1 ⁺ Pheasant; Wetland Noise
10	30		Wetland Noise
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25			

TOTAL: 292

CROWS/STOP: 29.2

40⁺ Pheasants
1⁺ Pheasant

PHEASANT CROWING COUNT

Date: 5/3/95

Route No: 2

Time Mileage

Weather: Cal/m - Mostly Clear

Start: 5:23 0.00

35°

End: 6:52 9.0

Observer: Jayne K ; Mike W

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	18	FARM FIELD / Crusted Agly	fair - Lots of waterfowl noise
2	27	Agly / CPP / FARM FIELDS	Good - Coyote in area. some bird noise.
3	30	CRP / Agly / DNL	Good - meadow lark, Duck noise (fog). (1-2)
4	11	DNL / FARM FIELDS	Poor - OIL WELL NOISE (VERY LOUD)
5	20	MARSH / NATIVE Prairie	Poor - Lots of MARSH NOISE
6	15	NATIVE Prairie / MARSH	Poor - Lots of MARSH NOISE
7	30	NATIVE Prairie / MARSH	Good Count.
8	18	NATIVE Prairie / MARSH	fair Count. MARSH NOISE
9	22	MARSH	fair ; Vehicle & MARSH Noise (10 12)
10	24	FARM FIELD / Agly	Good ; Some vehicle & Song Bird Noise (12)
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25			

TOTAL: 215

CROWS/STOP: 21.5 30's & 12 = 4 TOTAL BIRDS

PHEASANT CROWING COUNT

Date: 5-18-95

Route No: 1

Time
Mileage
Jeep

Weather: Calm, clear

Start: 0500 000.0

42°F

End: 0703 019.0

Observer: R. Romero

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	22	Native prairie, wetlands	Tractor trailer parked and running by bridge
2	37	Native prairie; DNC	Traffic; Ducks; songbirds
3	42	DNC, HO Shelterbelt	Ducks loud
4	39	DNC, New farmfield (Afor)	
5	42	DNC (A-3)	Blackbirds loud
6	59	Native prairie	
7	28	Old DNC (north), Native prairie	
8	14	Crested (Tepee Hills), DNC	Blackbirds loud, also ducks
9	9	Native prairie, Sayer bay	Blackbirds, ducks, shorebirds, sparrows loud
10	5	Wetlands	Bridge north of Texas crossing; ducks etc. loud
11	13	DNC, crested wheatgrass	Blackbirds, sparrows loud
12	13	DNC	" "
13	7	Wetlands	Deep Lake, Tax bay
14	10	Native prairie, crested	Schmitz Farm
15	6	Native prairie	Sandhill Trail
16	14	Native prairie	" " , near Merganser Pond
17	15	Native prairie	Wind gusts 0-5 mph SE
18	19	Native prairie	
19	10	DNC, wheat stubble	Wind gusts 0-5 mph SE
20	21	Crested wheatgrass, CRP (Bakken); Bolstad's cattle, just grazed area	
21			
22			
23			
24			
25			

TOTAL: 425
CROWS/STOP: 21.25

5 ♂ and 2 ♀ observed while surveying route 1. Also observed were 16 grouse on lek #29. Two gray partridge were seen flying near field A-3.

PHEASANT CROWING COUNT

Date: 5-3-95

Route No: 1

Time Mileage

Weather: Calm, clear → fog @ county road.

Start: 5:20 000.0 Silver Bullet

35°F

End: 7:03 019.0

Observer: Romero, Giuffre

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	25	Upland	Traffic on Hwy. 16, Bulls loud.
2	32	Upland	Traffic on Hwy. 16, 1 ♂, 2 ♀ between stops.
3	56	Upland	Ducks feeding.
4	61	Upland	Good count! Lots of crows
5	63	Upland, DNC	Wow!
6	39	Upland	
7	36	Upland	Wind picking up.
8	25	Upland, DNC field	
9	25	Upland, Sayer Bay	Oil pumpers, ducks, songbirds loud.
10	27	Upland,	"
11	12	Wetlands, Gadwall Pond	Ducks, frogs loud. FOGGY!
12	15	Uplands	Foggy
13	17	Uplands	Coyotes howling, foggy.
14	17	Uplands	
15	16	Uplands	Dogs barking.
16	19	Uplands	
17	5	Uplands	Geese loud.
18	13	Uplands, Lake edge	
19	7	Beaver ponds, uplands	Bulls loud.
20	10	DNC	
21			
22			
23			
24			
25			

TOTAL: 520

CROWS/STOP: 26.0

5-19-95

Pheasant numbers were up on two transects (1 & 2), but decreased slightly on the third.

Route 1 up 44%

Route 2 up 29%

Route 3 down 10%.

[Signature]

PHEASANT CROWING COUNT

Date: 5-15-96

Route No: 3

Time

Mileage

Weather:

clear-calm

Start: 4:47

8526.8

49°

End: 5:45

8536.2

Observer: Dennis Nelson

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	1	Highway	Mourning Doves / B/K Birds
2	4	Ind. Sec. dam	B/K Birds
3	3	close to outlet	B/K Birds
4	2	By Eagle tree	B/K Birds / Geese
5	2	Iron Curtain	Geese / B/K Birds /
6	18	South side by bridge	good count
7	2	Shed Creek	Geese
8	10	Last Creek	Electric fence / Marsh Birds
9	12	County Road / Parking lot	Mourning Doves
10	6	West of Ken Hager's	Habitat
11	5	Habitat. Hager's Kester's	Highway / North Walker, 2nd K-10
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23			
24			
25			

TOTAL: 65

CROWS/STOP: 5.9

PHEASANT CROWING COUNT

Date: 4/30/96

Route No: 3

Time Mileage

Weather: 38° Calm

Start: 5:05 0

Cloudy

End: 6:11 9.5

Observer: Nelson / Sanchez

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	11	Prairie	Sharpshills
2	19	Prairie	cattle & Indian Service Dog
3	11	Prairie / water	Geese
4	12	Prairie / marsh	Waterfowl ?
5	7	Iron Curtain	Water running. Birds !
6	26	Prairie	Birds
7	6	Marsh	Geese Honking
8	8	Prairie / DNE fields	Geese Honking (Again)
9	6	Farm Fields/Trees/lost Cows	Blackbirds
10	11	Farm Fields	Good
11	2	Town / Farm Fields	Robin, meadowlark (Good)
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24			
25			

TOTAL: 119

CROWS/STOP: 10.82

PHEASANT CROWING COUNT

Date: 5/15/96

Route No: 2

Time Mileage

Weather: CalM 43°

Start: 5:05 0.0

PARTLY CLOUDY

End: _____

Observer: L. Keumwiede
M. Keumwiede

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	6		GOOSE NOISE 1-ROOSTER
2	10		MEDOW LARK ; GEORGE
3	17 ¹⁴		MARSH NOISE ; GEORGE 1-ROOSTER
4	14 ¹⁰		OIL WELL NOISE
5	9		MARSH NOISE
6	17 ¹⁰		BLACK BIRDS (Poor Count) 1-ROOSTER
7	39 ²⁷		MARSH NOISE 1-ROOSTER
8	29 ²⁴		
9	27		
10	18 ¹⁵		1-ROOSTER
11			
12			
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23			
24			
25			

TOTAL: 186
CROWS/STOP: 18.6

PHEASANT CROWING COUNT 1996

Date: 5/1/96

Route No: 2

Time Mileage

Weather: Calm 36°

Start: 5:20 a.m. 0.0

Mostly Cloudy

End: 6:40 9.0

Observer: Krumwiede x 2 (Lim)

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	25 ¹⁴	CRESTED / FARM FIELD	GOOSE, MEADOWLARKS, OIL WELLS
2	23 ²³	FARMED / CRESTED	GOOSE, MEADOWLARKS, OIL WELLS
3	27 ²⁴	CRP / CRESTED / ALFALFA	GOOSE, OIL WELL, GUILDS (10 ⁰)
4	13 ⁷	FARMED / DNE	OIL WELL MEADOWLARK (Poor Count) (10 ⁰)
5	34 ³¹	CRESTED / NATIVE Prairie	OIL WELL, 2 geese flying overhead (fair count)
6	17 ¹¹	NATIVE Prairie	lots of MARSH NOISE Blackbirds (Poor)
7	45 ³⁷	NATIVE Prairie	(10 ⁰ on and to crowd) MARSH NOISE (Good)
8	33 ³²	MARSH / NATIVE	SOME MARSH NOISE (Good)
9	19 ¹¹	MARSH / NATIVE	Hiway NOISE - DIESEL NOISE (Poor)
10	24 ¹⁸	FARM FIELD / NATIVE ^{enc.} Grouse	Crows (Good)
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23			
24			
25			

TOTAL: 260

3 ♂'s

CROWS/STOP: 26

PHEASANT CROWING COUNT

Date: May 16, 1996

Route No: 1

Time Mileage

Weather: Ptly Cloudy, CALM

Start: 455 AM 45121.7

End: 630 AM 45140.7

Observer: Tedd Gutzke

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	4		
2	4		
3	21		
4	15		
5	22		
6	8		
7	1		
8	8		
9	3		
10	3		
11	4		
12	3		
13	4		
14	8		
15	6		
16	4		
17	4		
18	7		
19	8		
20	4		
21			
22			
23			
24			
25			

TOTAL: 141

CROWS/STOP: 7.05

PHEASANT CROWING COUNT

Date: May 1, 1996

Route No: 1

Time Mileage

Weather: Overcast, CALM

Start: 512 AM 0

End: 647 AM 19

Observer: Tedd/Derrick

STOP	CROWS	HABITAT	REMARKS (Disturbance)
1	9		
2	23		
3	42		
4	25		
5	21		
6	8		
7	5		
8	4		
9	3		
10	8		
11	3		
12	5		
13	1		
14	4		
15	5		
16	2		
17	0		
18	0		
19	2		
20	3		
21			
22			
23			
24			
25			

5-17-96

Route # 1 down 67%

2 down 11%

3 up 53%

Ronnie

TOTAL: 173

CROWS/STOP: 8.65