1972

Form D1

Waterfowl Production Surveys

Units 1-23

Form D-1 KRAT HEITSCHER SARWS | DARING ORTEZ

Observer: _____

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 1 (8 nests)

Year: 1972

Nest Sta	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back)
DA ✓	1	71	5/17/72	4	Pintail	(2)	x														⊗							✓	6/20				7			Avian
DA ✓	"	61	"	104	Mallard	(5)					A										⊗							✓	5/17				8			
A ✓	"	63	"	105	Mallard	(4)	x											⊗										✓	6/19			4				
H ✓	1	61	6/19	27	Pintail	4		x													⊗							No	7/19	x	4					3 sacs
DA ✓	"	61	"	28	Mallard	(3+)					A														⊗			✓	6/19				7			
A ✓	"	71	6/20	32	Mallard	8		x													⊗		x					✓	7/19			8				
H ✓	"	71	"	33	Redhead	9		x													⊗		x					✓	7/19	x	7			2		7 sacs 2 dead after hatch
DA ✓	"	69	6/19	74	Mallard	4		x													⊗							✓	7/19				4			Avian

8

Form D-1 HERZBERGER SARVIS Sarvis Ortez

Observer: KREY

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 2 (1 nest)

Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded (sterile)	Unknown (chilled)	Remarks (No. & expl. on back
				None found on first run																															
A ✓ 2	77	6/21	35	BWT/CT	(4)				X											(X)		X					✓	6/21			8					X

Form D-1 Field Form Unit No. 3 (18 nests)

Observer: Trogstad, Herzberger, Sarvis / Sarvis, Ortez, Trogstad WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

Nest Site	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded (sterile)	Unknown (chilled)	Remarks (No. & expl. on back)
H ✓	3	93	5/22	19	Cor BWT	9		X													⊗							No	6/23	X	9					9 sacs
H ✓	"	95	"	20	Pintail	8		X													⊗							✓	6/28	X	8					
H ✓	"	83	"	62	Mallard	7		X														⊗		⊗		X		No	6/23	X	7					6 sacs
DA ✓	"	103	"	64	Pintail (?)	4					A										⊗							✓	5/22				6			
A ✓	"	89	"	126	Mallard	1	X														⊗				?				6/23			1				
A ✓	"	97	"	128	Mallard	6		X													⊗			X					6/23			6				
H ✓	"	99	5/23	129	Mallard	9		X													⊗								6/28	X	8		1			egg pacs
DA ✓	"	99	"	130	Mallard	4	X														⊗			X					6/28				8			no sign of eggs or young
DA ✓	"	105	"	131	Mallard	4		X													⊗								6/28				4			Avian
DA ✓	3	93	6/23	150	Mallard	3+					A									X	⊗							No	6/23				6			
H ✓	"	85	"	81	Mallard	8		X													⊗							No	7/21	X	8					8 sacs
H ✓	"	87	"	84	Shoveler (?)	6		X	X												⊗							✓	7/21	X	6					6 sacs
H ✓	"	87	"	85	Mallard	7		X													⊗							✓	7/21	X	7					7 sacs
H ✓	"	103	6/28	85A	Pintail	8		X													⊗							No	7/21	X	7			1		7 sacs
A ✓	"	105	"	86	Pintail ?	9			X	X											⊗							No	6/28			9				
H ✓	"	97	6/23	144	Mallard	5	X														⊗								7/21	X	5					5 sacs
DA ✓	"	97	"	145	Mallard	5	X														⊗								7/21				7			Avian
DA ✓	"	97	"	146	?	?					A										X			⊗					6/23				7			
DA ✓	"	97	"	147	?	?					A									X	⊗								6/23				8			

Form D-1 Field Form Unit No. 4 (6 nests)

Observer: Sarvis Trogstad / Sarvis Ortez WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back)
DA ✓	4	117	5/23	69	?	(2+)					A										⊗							✓	5/23				8			
H ✓	"	111	"	132	Mallard	7		x													(x)			x					7/21	x	7					5 sacs
DH ✓	"	111	"	133	Mallard	9		x												x	(x)								6/29				9			found 6 destr. eggs Avian
DM ✓	"	111	"	134	?	(3+)					M										(x)								5/23				7			
H ✓	4	109	7/21	151	?	(3+)	NOT FOUND														⊗							No	7/21	x	4					3 sacs
DA ✓	"	111	6/29	152	Mallard	(2+)					A													(x)				No	6/29				8			

Form D-1 Field Form Unit No. 5 (0 nests)

Observer: Hemberger, Sarvis, Ortez WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
		No nests found on					1st		run-																										
		No nests found on						2nd	run.																										

Form D-1 — Field Form — Unit No. 6 (5 nests)

Observer: SCHROEDER — WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA — Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
H ✓	6	29	5/15	S5	Pintail	(3)	x								(x)		X											No	6/13	x	7					
H ✓	"	29	"	S6	Mallard	9 ~~8~~	x								x						(x)							No	"	x	9					had 9 eggs on 13th & 2 were dipped
	"																																		
H ✓	6	37	6/15	S23	Gadwall	9		x										(x)			x							No	7/12	x	9					
H ✓	"	39	"	S24	Mallard	8		x							(x)		x											No	7/12	x	7				1	
H ✓	"	33	"	S25	Gadwall	11		x													(x)							No	7/11	x	11					

Form D-1 NERZBERGER / SARVIS / KREY | Sarvis / Ortez

Observer:

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 7 (13 nests)

Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	~~Flooded~~ Sterile	~~Unknown~~ Chilled	Remarks (No. & expl. on back
H ✓	7	43	5/16	103	Mallard	9		X													X							No	7/19	X	9					8 sacs
H ✓	"	63	5/17	106	Mallard	4	X														X							✓	6/19	X	7					
DA ✓	"	63	5/17	107	Mallard	6					A										X							No	5/17				8			
H ✓	"	65	5/17	108	Mallard	10		X													X							✓	6/19	X	7			2	1	
F ✓	"	65	"	109	Mallard	1						X									X							✓	5/17					1		1 Flooded
H ✓	"	67	"	110	Mallard	7		X													X							✓	6/19	X	7					
?	"	67	"	111	Shoveler	4	X														X							✓	—							5 Unknown
DM ✓	7	43	6/16	23	Gadwall	8	X								X		X											No	7/19				8			Mammalian Badger(?) dug into nest
DA ✓	"	59	6/19	24	?	1+					A							X								X		No	6/19				8			
H ✓	"	59	"	25	Mallard	7		X													X		X					✓	7/19	X	4			2	1	4 sacs
H ✓	"	59	"	26	Pintail	6		X													X							✓	7/19	X	6					
H ✓	"	57	"	72	Pintail	8		X													X							✓	7/19	X	2				6	0 sacs
DA ✓	"	57	"	73	Mallard	2+					A										X							✓	6/19				7			

Form D-1 HERZBERGER SARVIS / Sarvis Ortez Field Form Unit No. 8 (7 nests)

Observer: KREY WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Uba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
DA ✓	8	77	5/18	5	Mallard	8		X									X				⊗							No	6/21				8			Avian
H ✓	"	77	"	6	Mallard	(1)	X										X				⊗							No	6/21			1				
DA ✓	"	75	"	114	Mallard	(3)					A				⊗			X										✓	5/18				8			
?	"	81	"	115	Shoveler	(1)	X														⊗							No	—							5 UNKNOWN
?	"	81	"	116	Mallard	(1)	X														⊗							No	—							1 Unknown
H ✓	8	73	6/21	77	Gadwall	8		X							⊗						X							No	7/19	X	8					7 sacs
DA ✓	"	75	"	78	?	(3+)					A										⊗							✓	6/21				7			
		—																																		✓

Form D-1 HERZBERGER J. SARVIS SARVIS | Sarvis Ortez Trogstad

Observer:

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 9 (10 nests)

Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	~~Flooded~~ Stunted	~~Unknown~~ Chilled	Remarks (No. & expl. on back
A✓	9	93	5/19	9	Mallard	8		X													X							✓	6/23			8				
H✓	"	93	"	10	Pintail	6		X													X							✓	6/23	X	5				1	
H✓	"	93	"	11	Mallard	8		X													X							✓	6/23	X	7			1		
H✓	"	93	"	12	Mallard	10		X													X							✓	6/23	X	8			2		
DM✓	"	91	"	13	?	?					M										X								5/19				7			
F✓	"	91	"	14	Mallard	1						X									X							✓	5/19							1 Flooded
F✓	"	91	"	15	Mallard	1						X			X		X											✓	5/19							1 Flooded
DA✓	"	91	"	16	?	5+					A										X								5/19				8			
H✓	"	91	"	17	Pintail	6		X													X								6/23	X	3			1	2	✓
H✓	"	91	"	18	Pintail	6		X													X								6/23	X	6					
H✓	"	87	"	57	Mallard	8		X													X							✓	6/23	X	8					6 sacs
A✓	"	89	"	58	Mallard	17		X													X							✓	6/23			X		5	8	4 missing
H✓	"	89	"	59	Mallard	~~7~~ 3 on recheck		X													X							✓	6/23	X	7				1	+ 1 redhd. dump egg
A✓	"	89	"	60	?	~~2~~ 8 on recheck	X														X							✓	6/23			8				all just pulks – still laying when deserted
DA✓	"	89	"	61	BorCT	3					A				X		X											No	5/19				8			
DA✓	"	101	5/22	63	Pintail	6		X									X				X							✓	4/23 – only 2 eggs in nest + incubating				6			A? – 1
DA✓	"	85	5/19	124	Mallard	4					A				X						X							No	5/19				8			
DA✓	"	85	"	125	Mallard	4					A				X						X							No	5/19				7			
DM✓	"	97	5/22	127	?	?					M										X								5/22				8			
H✓	9	87	6/23	40	Mallard	7		X										X			X							✓	7/20	X	7					7 sacs
H✓	"	87	"	41	Shoveler (?)	4		X													X		X					✓	7/20	X	2			1	1	2 sacs → redhd. egg
DA✓	"	87	"	42	?	1+					A				X													No	6/23				8			
H✓	"	87	"	43	CT/BWT	8		X													X							No	7/20	X	8					8 sacs

Form D-1 Field Form Unit No. 9

Observer: SARVIS / ORTEZ / TROGSTAD WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Sterile	Chilled	Unknown	Remarks (No. & expl. on back
H✓	9	87	6/23	44	Gadwall	8		X							X						(X)		X					✓	7/20	X	7						1	7 sacs
H✓	"	89	"	45	CT/BWT	10		X									X				(X)							No	7/20	X	10							9 sacs
H✓	"	89	"	46	Mallard	7		X													(X)		X					✓	7/20	X	5			2				4 sacs
H✓	"	89	"	47	CT/BWT	9		hatched													(X)							✓	6/23	X	9							9 sacs
H✓	"	89	"	48	Pintail (?)	12		X	(pipping)												(X)							✓	7/20	X	7			3	2			6 sacs (1)
A✓	"	103	"	49	Redhead	(2)	?														(X)							✓	7/21			2						eggs - rotten incubated
A✓	"	95	"	82	Gadwall	10		X													(X)							✓	7/21			10						
H✓	"	95	"	83	Gadwall	10		X							(X)		X											No	7/24	X	10							10 sacs
DA✓	"	91	"	135	Mallard	(6+)					A										(X)							?	6/23				8				♀ dead by nest
H✓	"	91	"	136	Mallard	5	X														(X)							?	7/20	X	4					1	4 sacs
H✓	"	91	"	137	Mallard	8		X													X			(X)				?	7/20	X	3			5			2 sacs
H✓	"	91	"	138	?	~~5~~ 7/20	X														(X)							?	7/24	X	7			2			(2)	7 sacs
H✓	"	91	"	139	?	~~8~~ 5	X														(X)							?	7/20	X	2			6				2 sacs; 4 addled. dump eggs
A✓	"	93	"	140	?	(6)				X											(X)							?	6/23			6						
H✓	"	93	"	141	Mallard	6		X													(X)							?	7/21	X	5			1				5 sacs
H✓	"	99	"	142	?	7		X													X		(X)						7/21	X	7							6 sacs
H✓	"	99	"	143	Redhead	8		X													X		(X)						7/20	X	7			1				7 sacs

Form D-1 Field Form Unit No. 10 (6 nests)

Observer: Sarvis, Ortez, Tregstad WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded (storm)	Unknown (chilled)	Remarks (No. & expl. on back)
DA ✓	10	115	5/23	65	Pintail (?)	(6+)					A										(X)			X				✓	5/23				6			
DM ✓	"	113	"	66	Mallard	8		X													(X)							✓	6/29				8			COW TRAMPLED
H ✓	"	119	"	67	GWT	(9 eggs on 4/13) 8		X							(X)			X										No	6/29	X	8				1	1 duckling dead in nest
DM ✓	"	117	"	68	CT/BWT	8		X													(X)			X				✓	6/29				8			COW TRAMPLED EGGS IN DUBBING & WATER
DA ✓	10	115	6/29	87	BWT/CT	9		X													(X)							✓	7/21				9			Avian
H ✓	"	117	"	88	?	?															(X)							✓	6/29	X	6		2			Avian

Form D-1 Herzberger / Sarvis Ortez — Field Form — Unit No. 11 (1 nest)

Observer: Sarvis / Ortez — WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA — Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded (stroke)	Unknown (chilled)	Remarks (No. & expl. on back)
		No nests found on first run.																																	
DA ✓ 11	129	6/29	89	Mallard	8		X													X							No	7/24				8			Avian

Form D-1 HARZBERGER / Sarvis / Ortez

Observer: Krey / Sarvis

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 14 (3 nests)

Year: 1992

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
			No nests found on 1st run																																	
DA ✓	14	25	6/15	21	Mallard	(4+)					A							⊗		X								No	6/15				8			
HV ✓	"	33	"	22	Pintail	5		X							⊗						X							No	7/19	X	5					4 sacs
DA ✓	"	37	6/16	71	Gadwall	9		X							⊗						X							No	7/19				9			Avian

Form D-1 Herzberger / Sarvis

Observer: Sarvis Krey / Ortez

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 15 (2 nests)

Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	~~Flooded~~ sterile	~~Unknown~~ chilled	Remarks (No. & expl. on back
H ✓	15	47	5/16	2	Ma	7		X												X	X							✓	6/16	x	7					
H ✓	15	53	5/16	3	Ma	10		X													X							NO	6/19	x	10					

NO NESTS FOUND ON SECOND RUN

Form D-1 Herzberger / Sarvis

Observer: Sarvis / Ortez / Krey

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 16 (3 units)

Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded (Storm)	Unknown (Shelled)	Remarks (No. & expl. on back)
			No nests found on first run.																																
H ✓	16	65	6/19	29	Mallard	4		X							(X)												No	7/19	X	4					2 sacs
DA ✓	"	63	"	30	Pintail	5		X							(X)		X										No	7/19				5			Avian? nothing left
H ✓	"	63	"	31	Mallard	5		X													(X)						No	7/19	X	5					5 sacs

Form D-1 Herzberger / Sarvis

Observer: Sarvis Krey / Ortez

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 17 (6 nests)

Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded (sterile)	Unknown (killed)	Remarks (No. & expl. on back)
DA ✓	17	81	5/18	54	Mallard (?)	9		x													(x)							✓	6/21				9			Avian
DA ✓	"	"	"	55	Pintail (?)	(6)					A						x	x			(x)							No	5/18				7			
DA ✓	"	75	5/17	113	?	?					A										(x)							No	5/17				7			
DM ✓	"	85	5/18	117	Mallard	(5)					M				x						(x)							No	5/18				7			
H ✓	17	77	6/21	34	Gadwall	9		x													(x)							No	7/19	x	8			1		6 sacs
DA ✓	"	73	"	76	Gadwall	8		x													(x)							No	7/19				8			Avian

Form D-1 Herzberger Sarvis / Sarvis Ortez

Observer: Krey

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 18 (15 nests)

Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	~~Flooded~~ Sterile	~~Unknown~~ Chilled	Remarks (No. & expl. on back
DA ✓	18	97	5/19/72	7	Pintail	8		x							(X)													No	7/20				8			Avian? nothing in or around nest
A ✓	"	97	"	8	C or BW/T	5		x										x			(X)							✓	6/22			5				
H ✓	"	105	"	56	Pintail	7		x							x								(X)					✓	6/22	x	5		1	1		
A ✓	"	101	"	118	BW or C/T	(6)	x														(X)								6/22				6			Avian
H ✓	"	101	"	119	Mallard	8		x													(X)								6/22	x	8					
H ✓	"	101	"	120	Mallard	8		x							(X)						x								6/22	x	4		4			Avian
A ✓	"	101	"	121	Mallard	(2+) - 6/22 none	?														(X)								6/22				8			
H ✓	"	99	"	122	Mallard	7		x													(X)								6/22	x	7					
H ✓	"	99	"	123	Mallard	9		x													(X)								6/22	x	9					Avian
DM ✓	18	95	6/22	36	Mallard	(2+)					M										(X)			x				✓	6/22				7			
DA ✓	"	95	"	37	?	(8+)					A										(X)			x				✓	6/22				8			
H ✓	"	99	"	38	Mallard	9		x													(X)		x					✓	7/20	x	8			1		5 sacs
H ✓	"	107	"	39	Gadwall	~~4~~ 6 on 7/20	x														(X)							No	7/20	x	3			3		3 duck [illegible] in nest
H ✓	"	103	"	79	Mallard	6		x													(X)							✓	7/20	x	6					5 sacs
DA ✓	"	105	"	80	Mallard	9		x							(X)						x							✓	7/20				9			Avian - found 4 destr. shells

Form D-1 Herzberger / Sarvis / Ortez

Observer: Krey / Sarvis

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 19 (4 nests)

Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
H ✓	19	17	5/15	1	Mallard	5		X													(X)							No	6/15	✓	5					
DA ✓	"	11	"	101	Mallard	8		X													(X)							✓	6/15				8			Avian
DA ✓	"	13	"	102	?	(3)					A										(X)							No	5/15				7			
H ✓	19	17	6/15	70	Mallard	10		X													(X)							No	7/18	×	9			1		7 sacs

Form D-1 J. SARVIS / L. NERZBERGER / R. KREY — Sarvis Ortez

Observer: _____

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 20 (0 nests)

Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
20		NO NESTS FOUND ON FIRST RUN.																																	
20		No Nests found on second run.																																	

✓

Form D-1 Herzberger / Sarvis | Sarvis / Ortez

Observer: Krey

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 21 0 nests

Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
		NO NESTS FOUND				ON	1	ST	RUN																										
		No nests found on second run.																																	

Form D-1 Field Form Unit No. 22 (5 nests)

Observer: Krey / Sarvis, Herzberger / Ortez, Sarvis WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

	Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Ix	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded (Storm)	Unknown (Chilled)	Remarks (No. & expl. on back)
H ✓	22	59	5/16	51	Pintail	5		x													(x)							No	5/16	X	3			2		
DA ✓	"	55	"	52	Shoveler	(3)	x								(x)			x										No	6/16				3			Avian
H ✓	"	71	5/17	53	Mallard	11		x										x			(x)							No	6/20	X	10			1		
DM ✓	"	69	"	112	?	(2)					M										(x)							No	5/17				8			
DA ✓	22	65	6/20	75	Mallard	7		x													(x)							No	7/24				7			Avian

Form D-1

Observer: Krey / Ortez (Sarvis / Sarvis)

Field Form
WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. 23 (0 nests)

Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No.& expl. on back
		No nests found on first run.																																	
		No nests found on second run.																																	

Form D1

Waterfowl Production Surveys

Multiple Units

1st RUN

Form D-1

Observer: Herzberger

Field Form

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Unit No. FIELD SHEET (p-1 of 2)

Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back)
19	17	5/15	1	Ma	5		X													X							No								
5	47	5/16	2	Ma	7		X													X							X								
15	53	5/16	3	Ma	10		X													X							No								
1	71	5/17	4	Pi	2	X														X							X								
8	77	5/18	5	Ma	8		X									X				X							No								
8	77	5/18	6	Ma	1	X										X				X							No								
18	97	5/19	7	Pi	8		X							X													No								✓
18	97	5/19	8	C. BWT	5		X										X			X							X								
9	93	5/19	9	Ma	8		X													X							X								
9	93	5/19	10	Pi	6		X													X							X								
9	93	5/19	11	Ma	8		X													X							X								
9	93	5/19	12	Ma	10		X													X							X								
9	91	5/19	13	Unk	-?				X	X										X								5/19			X	X			Mammal
9	91	5/19	14	Ma	1				X		X									X								5/19			X		X		Water in Nest
9	91	5/19	15	Ma	1				X		X			X		X												5/19			X		X		" "
~~9~~	~~91~~	~~5/19~~	~~16~~	~~Ma~~	~~2+~~					X										X								~~[illegible]~~				X			~~Magpie~~
9	91	5/19	16	Unk	5+					X										X								5/19				X			Magpie
9	91	5/19	17	Pi	6		X													X															
9	91	5/19	18	Pi	6		X													X															

Form D-1 1 SE RVH Field Form Unit No. FIELD SHEET (2 of 2)

Observer: Herzberger WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
3	93	5/22	19	CaBWT	9		X													⊗							⊗								
3	95	5/22	20	Pi	8		X													⊗							X								

Form D-1 (1 RUN)

Field Form

Unit No. ALL — FIELD SHEET (p. 1 of 2)

Observer: J. SARVIS

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
22	59	5/16	51	PINTAIL	5		x													x							No								
22	55	"	52	SHOVELER	3	x								(x)			x										✓								
22	71	5/17	53	MALLARD	11		x										x			(x)							No								
17	81	5/18	54	MALLARD (?)	9		x													x							✓								
17	"	"	55	PINTAIL (?)	(6)					A						x	x			(x)							No								
18	105	5/19	56	PINTAIL	7		x							x								(x)					✓								
9	87	"	57	MALLARD	8		x													x							✓								
9	89	"	58	MALLARD	17!		x													x							✓								
9	89	"	59	Mallard	7		x													x							✓							✓	
9	89	"	60	(Sh) ?	2	x														x							✓								
9	89	"	61	Bore/T	(3)				■	A				(x)		x				x							No								

Form D-1 1ST RUN Field Form Unit No. FIELD SHEET (p. 2 of 2)

Observer: J. SARVIS WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
3	83	5/22	62	Mallard	7		X														(X)		(X)		X		✓								
9	101	"	63	Pintail	6		X									X				(X)							✓								
3	103	"	64	Pintail (?)	(4+)					A										X							✓								
10	115	5/23	65	Pintail (?)	(6+)					A										(X)			X				✓								
10	113	"	66	Mallard	8		X													X							✓								
10	119	"	67	GWT	3	X								(X)			X										✓								
10	117	"	68	Tx	8		X													(X)			X				✓								
4	"	"	69	?	(2+)		✓			A										X							✓								

Form D-1 1st RUN Field Form Unit No. FIELD SHEET (1 of 2)

Observer: KREY WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
19	11	5-15-72	101	Ma	8		X													X							X								Marker Did not mark on Flag 10'E
19	13	5-15-72	102	UX	3	X				X										X								5-15-72				X			no marker UNK mammal
7	43	5-16-72	103	Ma	9		X													X															
1	61	5-17-72	104	Ma	5					X										X							X	5-17-72				X			By Magpie
1	63	5-17-72	105	Ma	4	X											X										X								
7	63	5-17-72	106	Sh ?	4	X														X							X								
7	63	5-17-72	107	Ma	6					X										X							no	5-17-72				X			By Magpie
7	65	5-17-72	108	Ma	10		X													X							X								✓
7	65	5-17-72	109	Ma	1						X									X							X	5-17-72					X		
7	67	5-17-72	110	Ma	7		X													X							X								
7	67	5-17-72	111	Sh	4	X														X							X								

Form D-1 / ST RUN Field Form Unit No. FIELD SHEET (2 of 2)

Observer: KREY WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
22	69	5-17-72	112	Unk	2					X										X								5-17-72				X			Drowned
17	75	5-17-72	113		0					X										X								5-17-72				X			
8	75	5-18-72	114	ma	3					X			X			X																X			
8	81	5-18-72	115	sh	1	X														X															
8	81	5-18-72	116	ma	1	X														X															
17	85	5-18-72	117	ma	5					X				X						X								5-N-72				N			normal

Form D-1 1ST RUN Field Form Unit No. FIELD SHEET

Observer: RANDY SARVIS WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve Greasewood	Crx Rabbitbrush	Dst Saltgrass	Gx Grass	Mof Sweet Clover	Wx Weeds	Jba Black Rush	Cx Sedges	Ex Bulrush	Tla Cattail	Sva Bulrush	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
18	101	5-19-72	118	Cin. Teal	6	X														X								6/22				6			A
"	101	"	119	Mallard	8		X													X								6/22				8			A
"	101	"	120	Mallard	8		X							X						X															
"	101	"	121	Mallard	NONE															X															
"	99	"	122	Mallard	7		X													X															
"	99	"	123	Mallard	9		X													X															
~~9~~	~~83~~																																		
9	85	5/19	124	? Mallard	4					X				X						X															
9	85	"	125	? Mallard	4					X				X						X															

Form D-1 — 1ST RUN — Field Form — Unit No. FIELD SHEET

Observer: TROGSTAD — WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA — Year: 1972

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
3	89	5-22-72	126	Mallard	1	✓																													
9	97		127	Unknown	?					X																									
3	85	~~~	128	~~~	5	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	~~~	X	~~~	~~~	~~~																
3	97	5-22	129	Marked 129 Mallard	6		+													D			+												
3	99	5-23	129	Mallard	9		X													X															
3	99	5-23	130	"	4	X														(X)			X												
3	105	5-23	131	"	4		X													X															
4	111	5-23	132	"	7		X													(X)			X												
4	111	5-23	133		9					X									X	(X)															
4	111	5-23	134		(3+)					X										(X)															

Form D-1 — Field Form — Unit No. FIELD SHEET

Observer: J. SARVIS — WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA — Year: 1972

(p. 1 of 3)

First Observation						Nest Status							Cover Type																	Fate							
Unit No.	Transect No.	Date	Nest No.	Species	No. Eggs	Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Gx	Gve	Grx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
19		—	101	Ma	8					A																		6/15				8			
14	25	6/15	21	Ma	(4)					A							(X)		X								No								
14	33	"	22	Pintail	5		X							(X)						X								No							
7	43	6/16	23	Gadwall	8	X								(X)		X												No							
22		—	52	Shoveler	3					A																						3				
15		—	3	Mallard	10																							6/19	X	10					
7	59	6/19	24	?	(14)		X			A							X								X		No								
"	"	"	25	Mallard	7		X													(X)		X					✓								
"	"	"	26	Pintail	6		X													X							✓								✓
1	61	"	27	Pintail	4		X													X							No								
"	"	"	28	Mallard	(34)					A														X			✓								
16	65	"	29	Mallard	4		X							X													No								
7	"	—	103	Ma	10																							6/19	X	7			2	1	
1		—	105		4	X																						"			4				
7		—	106	Mallard	4	X																						"	X	4					
16	63	6/19	30	Pintail	5		X							(X)		X											No								
"	"	"	31	Mallard	5		X													X							No								
1		—	4	Pi	2	X				A										(X)		(X)					X	6/20				(2)			
1	71	6/20	32	Mallard	8		X													(X)		X					✓								
"	"	"	33	Redhead	9		X													(X)		X					✓								
22		—	53	Ma	11		X																					6/20	X	10			1		

Form D-1 2nd RUN Field Form Unit No. FIELD SHEET

Observer: J. SARVIS WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

page 2 of 3.

Recheck #8 ~~#18~~ ~~#19~~

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back)
17	77	6/21	34	Gadwall	9		X													X							No								
8		—	5	Ma	5																							6/21				5			A
8		—	6	Ma	1																							6/21			1				
2	77	6/21	35	BWT/CT	(4+)				X											(X)		X													
18	95	6/22	36	Mallard	(2+)					M										(X)			X				✓								
18	95	6/22	37	?	(8+)					A										(X)			X				✓								
18	99	6/22	38	mallard	9		X													(X)		X					✓								
18			123		9															[illegible]							[illegible]	6/22	X	9					
18			122		7																							"	X	7					✓
18			8		5																							"			5				
"	107	6/22	39	Gadwall	4	X														X							No								
9	87	6/23	40	Mallard	7		X										X			(X)							✓								
9		—	57	Ma	8																							6/23	X	8					6 sacs
9	87	6/23	41	Shoveler (?)	4		X													(X)		X					✓								
9	87	"	42	?	(1+)					A				X													No								
9	87	"	43	B/CT	8		X													X							No								
9	87	"	44	Gadwall	8		X							X						(X)		X					✓								
9	89	"	45	B/CT	10		X									X				(X)							No								
9		—	58	Ma	17																							6/23			X		5	8	4 missing
9		—	59	Ma →	8 not		7																					"	X	7				1	1 redbd. dump egg
9	89	6/23	46	Mallard	7		X													(X)		X					✓								
9	"	—	60	? →	8 (not 2)																							6/23			8				all still just yolks desert while laying
9	"	6/23	47	TX	9	hatched														X							✓	6/23	X	9					9 sacs
9	"	"	48	Pintail (?)	12		X	pipping												X							✓	(6/23 [illegible])							
9	103	"	49	Redbd.	2	?														X							✓								

Form D-1 2nd RUN Field Form Unit No. FIELD SHEET

Observer: J. SARVIS WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

P. 3 of 3

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	~~Flooded~~ Starvle	~~Unknown~~ Chilled	Remarks (No. & expl. on back
3	93	6/23	150	Mallard	3+					A									x	X							No								
3		–	19																									6/23	x	9					9 sacs
3		–	126																									"			X				
4		–	133																									6/29				1			A – [illegible] 6 dead eggs
4	109	7/21	151	?	3+		HATCHED													X							No	7/21	X	3+					3 sacs
4	111	"	152	Mallard	2+					A													X				No								
10	113	—	66																									6/29				8			cow [illegible]
10			67	GWT																								6/29	x	8				1	1 duckling dead on nest had 59 eggs on 6/13

Form D-1 — 2nd RUN — Field Form — Unit No. FIELD SHEET

Observer: M. ORTEZ — WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA — Year: 1972

p. 1 of 3

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Sterile	Flooded	Unknown	chilled	Remarks (No. & expl. on back)
19	17	6/15/72	70	Mallard			X													X							No										* (1)
15	37	6/16	71	Gadwall			X							⊗						X							No										* (2)
15		"	8	Mallard																									X	7							
19		"	1	"																								6/15	X	5							
7	57	6/19/72	72	Pintail	8		X													X							Yes										
7	57	6/19/72	73	Mallard	(2+)					A										X							Yes										* (3)
1	69	"	74	Mallard	4		X													X							Yes										
7	67	"	10	Mallard																								6/19/72	X	7							
~~20~~	~~89~~	~~6/20/72~~	51	~~Pintail~~																																	
22			51	Pi	5																							6/20/72		3		2					X (4)
22	65	6/20/72	75	Mallard	7		X													X							No										
17	73	6/21/72	76	Gadwall	8		X													X							No										
2	73	"	77	Gadwall	8		X							(X)						X							No										
8	75	"	78	? Gad						A										X							Yes	6/21/72			?						* (5)
6	81	"	54	Mallard						A										X							Yes	"			A						* (6)
~~5~~	~~81~~	~~"~~	~~15~~	~~Mallard~~																X							No	"			?						* (7)
~~2~~	~~81~~	~~"~~	~~16~~	~~Sh~~																								"			?						* (8)
18	103	6/22/72	79	Mallard	6		X													X							Yes										
18	101	"	121	"	(2+)																							6/22/72										* (9) A
18	101	"	120	"	8																							6/4	X	A		A						* (10) A
18	105	"	80	"	9		X							(X)						X							Yes										
~~18~~	105	~~6/22/72~~	56	Pintail																								"	X	~~5~~ 6		1	1					*

Form D-1 2nd RUN Field Form Unit No. FIELD SHEET

Observer: M. ORTEZ WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

p.2 of 3

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx Willow	Sve Green	Crx Rabbit	Dst Salt	Gx Grass	Mof Clover	Wx Wheat	Jba Brush	Cx Sedges	Ex Sunflower	Tla Tail	Sva Bull Rush	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back
3	85	6/23/72	81	Mallard	8.		X													X															
3	85	" "	62	Mallard																								6/23/72	X	7					*1
9	95	"	82	Gadwall	10		X													X															
9	95	"	83	Gadwall	10		X							X		X																			
3	87	"	84	~~Mallard~~ Shoveler?	6		X	X												X															
3	87	"	85	Mallard	7		X													X															

Form D-1 — 2nd RUN — Field Form — Unit No. Field Sheet

Observer: M. Ortiz — WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA — Year: 1972

p. 3 of 3

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back)
13	99	6/23/72	129	Mallard	9									6/28/72	X			1			#1
13	99	"	130	"	4									"							#2
13	103	"	85A	Pintail	8	X															
13	105	"	86A	Pintail	9		X	X						"			9		X		#3
3	105	"	131	Mallard	10	X								"			1				#11 Avian
10	115	6/29/72	87	Blue Teal	9	X															#5
12	117	"	68											6/29/72			1				#6 Avian
10	117	"	88	Unknown	?									6/29/72	X	6	2				#7 Avian
11	129	"	89	Mallard	8	X															—

Form D-1 2nd RUN Field Form Unit No. FIELD SHEET

Observer: R. TROGSTAD WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA Year: 1972

p.1 of 1

Unit No.	Transect No.	First Observation: Date	Nest No. (135)	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	~~Flooded~~ sterile	~~Unknown~~ chilled	Remarks (No. & expl. on back
9	91	6/23	18																										X						all
"	"		135	Mallard	6					X										X								6-23							Hen dead by nest-predator
"	"		136	"	5	X														X								"							
"	"		137	"	8		X													X			X					"							
"	"		138	?	5	X														X								"							No hen
"	"		17	Pi																								"	X	3			1	2	
"	"		139	?	5	X																						"							No hen
"	93		140	?	6				X											X								"			6				
"	"		12		10																							"	8				2		
"	"		10		6																								5					1	
"	"		11		8																								7				1		
"	"		9																												7				No evidence of other eggs
"	"		141	Mallard	6															X															
"	99		142	?	7		X													X		X													NO hen
"			143	Redhead	8		X													X		X													
"	101		63	Pintail	2		X			had 6 originally																		6-23							only 2 eggs
3	95		20	"	8																							6-23	X						
	97		144	Mallard	5	X														X															
	"		145	"	5	X														X															
	"		146	unknown	?					X										X			X					6-23							avian
	"		147	"	?					X									X	X								6-23							?
	"		129		6																										6				?

Form D-1

Field Form

Unit No. FIELD SHEET (2nd RUN RECHECK)

Observer: J. SARVIS

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Year: 1972 (p.1 of 3)

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded	Unknown	Remarks (No. & expl. on back)
19		7/18	70																									7/18	X	9			1		7 SACS 1 EGG [illegible] (pub. stor.)
14			22																									7/19	X	5					4 SACS
14			71*																									"				9			A
16			30																									"				5			?
"			31																									"	X	5					5 SACS
"			29																									"	X	4					2 SACS
7			25																									"	X	4			2	1	4 SACS
"			26																									"	X	6					
"			72		8																							"	[illegible]	[illegible]	[illegible]		[illegible]	6	[illegible] 6 SACS
"			23																									"				8			[illegible]
"			103																									"	X	9					8 SACS
1			33																									"	X	7		2			7 SACS 2 dead after hatch
"			32																									"			8				
"			74																									"				4			A
"			27																									"	X	4					3 SACS
8			77																									"	X	8					7 SACS
17			76																									"				8			A
"			34																									"	X	8			1		6 SACS
18			7																									7/20				8			A - [illegible] any shells at all
"			38																									"	X	8		1			A - 5 SACS
"			80																									"				9			A - [illegible] shells
"			79																									"	X	6					5 SACS
"			39		6*																							"	X	3			3		3 [illegible] in nest
9			44																									"	X	7				1	7 SACS
10			87																									7/21				9			A

Form D-1 | Field Form | Unit No. FIELD SHEET

Observer: J. SARVIS | WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA | Year: 1972 2nd Run Recheck (p2 of 3)

Unit No.	Transect No.	First Observation: Date	Nest No.	Species	No. Eggs	Nest Status: Laying	Incub.	Covered	Desert.	Destr.	Flooded	Unknown	Cover Type: Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Fate: Date	Hatched	No. Hatch.	Desert.	Destr.	Flooded (serial chilled)	Unknown	Remarks (No. & expl. on back)
9			✓43																									7/20	X	8					8 sacs
"			✓45																									"	X	10					9 sacs
"			✓139		8*																							"	X	2			6		2 sacs; 4 redhd. Lvez eggs
"			✓143																									"	X	7			1		7 sacs
"			✓40																									"	X	7					7 sacs
"			✓41																									"	X	2			1	1	2 sacs → redhd. eggs
"			✓48				ON FLAG → " 12 eggs (4 pipped) 2 v. large - redhd.																					"	X	7			3	2	6 sacs
"			✓46																									"	X	5			2		4 sacs
"	91	7/20	✓138	?	9		X	X																				—							✓
"	—		✓137																									7/20	X	3			5		2 sacs
"			✓136																									"	X	4				1	4 sacs
"			✓135																									"				6			♀ dead by nest
"			✓141																									7/21	X	5			1		5 sacs
"			✓82																									"			10				
"			✓49																									"			2				folks - nests incubated
"			✓63																									"				6			A? - nothing near around nest
"		Ap. 2 [illegible]	✓142																									"	X	7					6 sacs
3			✓145																									"				5			A
"			✓144																									"	X	5					5 sacs
"			✓81																									"	X	8					8 sacs
"			✓84																									"	X	6					6 sacs
"			✓85																									"	X	7					7 sacs
"			✓85A																									"	X	7			1		7 sacs
4			✓132																									"	X	7					5 sacs

Form D-1

Field Form

Unit No. FIELD SHEET (2nd RUN RECHECK)

Observer: J. SARVIS

WATERFOWL PRODUCTION SURVEY DUCK & COOT NESTING DATA

Year: 1972 (x3053)

Unit No.	Transect No.	First Observation: Date	First Observation: Nest No.	First Observation: Species	First Observation: No. Eggs	Nest Status: Laying	Nest Status: Incub.	Nest Status: Covered	Nest Status: Desert.	Nest Status: Destr.	Nest Status: Flooded	Nest Status: Unknown	Cover Type: Sx	Cover Type: Sve	Cover Type: Crx	Cover Type: Dst	Cover Type: Gx	Cover Type: Mof	Cover Type: Wx	Cover Type: Jba	Cover Type: Cx	Cover Type: Ex	Cover Type: Tla	Cover Type: Sva	Cover Type: Dike	Cover Type: Ditch	Cover Type: Flooded	Fate: Date	Fate: Hatched	Fate: No. Hatch.	Fate: Desert.	Fate: Destr.	Fate: ~~Flooded~~ Sterile	Fate: ~~Unknown~~ Chilled	Remarks (No. & expl. on back
9			✓138																									7/24	X	7			2		7 sacs
22			✓75																									"				7			A
11			✓89																									"				8			A
9			✓83																									"	X	10					10 sacs

Forms D3-D4

D3 – WPS Duck Brood Sample Data

D4 – WPS Duck Nesting Transects: Individual Unit Summaries

Form D-3

WATERFOWL PRODUCTION SURVEY -- DUCK BROOD SAMPLE DATA

Observer: L. SCHROEDER & J. SARVIS

Year: 1972

Date	Mallard			Pintail			Gadwall			Shoveller			B-W Teal			G-W Teal								
	Unit No.	Pond No.	No. duckl. Class IIc & III Br.	Unit No.	Pond No.	No. duckl. Class IIc & III Br.	Unit No.	Pond No.	No. duckl. Class IIc & III Br.	Unit No.	Pond No.	No. duckl. Class IIc & III Br.	Unit No.	Pond No.	No. duckl. Class IIc & III Br.	Unit No.	Pond No.	No. duckl. Class IIc & III Br.	Unit No.	Pond No.	No. duckl. Class IIc & III Br.	Unit No.	Pond No.	No. duckl. Class IIc & III Br.
6/13/72						7																		
6/14						6																		
6/23			7																					
6/29						7																		
"						3																		
7/3			6																					
7/7			7			8																		
"			8			6																		
"						4																		
"						7																		
7/8			7			8																		
"			8																					
7/10			2			2																		
"						6																		
7/11			3																					
7/12												5												
"												7												
7/14			8			3						8			8									
7/18			8																					
7/19			6																					
7/20						7			9			8			8									
"						6			3			9			6									
"															10									
Totals			70			80			12			37			32									
Ave.			6.4			5.7			6.0			7.4			8.0									

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 1 Recorder: _____ Year: 1972

Transect Coverage in % 50 (All transects=100%, every other transect = 50%,etc.)
4 24 ft wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary tvpe)																
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Nx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	5	0	0	2	3							1			3		1					5
Pintail	2	1	50		1										2							1
Gadwall																						
Shoveller																						
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Redhead	1	1	100												1							1
Unknown																						
Total	8	2	25%	2	4							1			6		1					7
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 2 Recorder: _____ Year: 1972

Transect Coverage in % 50 (All transects=100%, every other transect = 50%, etc.)

24 ft wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)															
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Nx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard																							
Pintail																							
Gadwall																							
Shoveller																							
Teal B-W & Cinn.	1		0	1											1							1
G-W Teal																							
Ruddy																							
Unknown																							
Total	1		0	1											1							1
Coot																							

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 3 Recorder: _____ Year: 1972

Transect Coverage in % 50 (All transects=100%, every other transect = 50%, etc.)

4 24 ft. wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary tvne)																
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	11	5	45	2	4										10			1		1		1
Pintail	4	2	50	1	1										4							2
Gadwall																						
Shoveller	1	1	100												1							1
Teal B-W & Cinn.	1	1	100												1							
G-W Teal																						
Ruddy																						
Unknown	2		0		2										1			1				
Total	19	9	47	3	7										17			2		1		4
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 4 Recorder: _____ Year: 1972

Transect Coverage in % 50 (All transects=100%, every other transect = 50%,etc.)
& 24 Ft wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)															
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	3	1	33		2										2			1				
Pintail																						
Gadwall																						
Shoveller																						
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown	3	1	33		2										3							1
Total	6	2	33		4										5			1				1
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 5 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%, etc.)
& 24 Ft. wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Sx	Primary Covery Type (No. of nests in each primary type)														
		No. Hatched	% Hatched						Sve	Crx	Dst	Gx	Mof	Mx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard																							
Pintail																							
Gadwall																							
Shoveller																							
Teal B-W & Cinn.			no			nests																	
G-W Teal																							
Ruddy																							
Unknown																							
Total	0																						
Coot																							

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 6 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%,etc.)
& 24 ft. wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)																
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	2	2	100						1						1							
Pintail	1	1	100						1													
Gadwall	2	2	100									1			1							
Shoveller																						
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown																						
Total	5	5	100						2			1			2							
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 7 Recorder: _____ Year: 1972

Transect Coverage in % 50 (All transects=100%, every other transect = 50%,etc.)
24 ft wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)															
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	8	5	63		2	1									8							6
Pintail	2	2	100												2							2
Gadwall	1		0		1				1			4								4		
Shoveller	1		0				1								1							1
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown	1		0		1							1								1		1
Total	13	7	54		4	1	1		1			1			11					1		9
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 8 Recorder: _____ Year: 1972

Transect Coverage in % 50 (All transects=100%, every other transect = 50%, etc.)

& 24 ft wide.

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Sx	Primary Covery Type (No. of nests in each primary type)													
		No. Hatched	% Hatched						Sve	Crx	Dst	Gx	Mof	Mx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	4		0	1	2		1		1						(3)							1
Pintail																						
Gadwall	1	1	100						1													
Shoveller	1		0				1		1						1							
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown	1		0		1										1							1
Total	7	1	14	1	3		2		2						5							2
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 9 Recorder: _____ Year: 1972

Transect Coverage in % 50 (All transects=100%, every other transect = 50%,etc.)
& 24 ft. wide.

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)																
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Nx	Uba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	16	9	56	2	3	2		3							12			1				14
Pintail	5	4	80		1										5							3
Gadwall	3	2	67	1				1							2							2
Shoveller	1	1	100												1							1
Teal B-W & Cinn.	4	3	75		1			1							3							1
G-W Teal																						
Ruddy																						
Redhead	2	1	50	1											1		1					
Unknown	9	3	33	2	4			1							8		1					2
Total	40	23	58	6	9	2		6							31		2	1				23
Coot																						

*Obtain data from Field Form D-1

12 mallard nests in JBA

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 10 Recorder: _____ Year: 1972

Transect Coverage in % 50 (All transects=100%, every other transect = 50%,etc.)

@ 24 ft. wide.

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)																
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	1		0		1										1							1
Pintail	1		0		1										1							1
Gadwall																						
Shoveller																						
Teal B-W & Cinn.	2		0		2										2							2
G-W Teal	1	1	100						1													
Ruddy																						
Unknown	1	1	100												1							1
Total	6	2	33		4				1						5							5
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 11 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%,etc.)
& 24th wide.

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)														
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	1		0		1										1							
Pintail																						
Gadwall																						
Shoveller																						
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown																						
Total	1		0		1										1							0
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 14 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%, etc.)
& 24ft wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)															
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	1		0		1							1										
Pintail	1	1	100						1													
Gadwall	1		0		1				1													
Shoveller																						
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown																						
Total	3	1	33		2				2			1										0
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 15 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%,etc.)
& 24 ft wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Sx	Primary Covery Type (No. of nests in each primary type)													
		No. Hatched	% Hatched						Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	2	2	100												2							1
Pintail																						
Gadwall																						
Shoveller																						
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown																						
Total	2	2	100												2							1
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 16 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%,etc.)
& 24 ft wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)															
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	2	2	100						1						1							
Pintail	1		0		1				1													
Gadwall																						
Shoveller																						
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown																						
Total	3	2	67		1				2						1							0
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 17 Recorder: _____ Year: 1972

Transect Coverage in % 50 (All transects=100%, every other transect = 50%,etc.)
& 22 ft wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)															
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	2		0		2										2							1
Pintail	1		0		1										1							
Gadwall	2	1	50		1										2							
Shoveller																						
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown	1		0		1										1							
Total	6	1	17		5										6							1
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 18 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%,etc.)
8.24 ft wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)														
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	9	6	67	0	3				2						7							4+
Pintail	2	1	50		1				1								1					1
Gadwall	1	1	100												1							
Shoveller																						
Teal B-W & Cinn.	2		0	1	1										2							1+
G-W Teal																						
Ruddy																						
Unknown	1		0		1										1							1
Total	15	8	53	1	6				3						11		1					7+
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 19 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%,etc.)
8 24ft. wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)														
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	3	2	67		1										3							1
Pintail																						
Gadwall																						
Shoveller																						
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown	1		0		1										1							
Total	4	2	50		2										4							1
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 20 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%, etc.)
2.24 ft wide.

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Sx	Primary Covery Type (No. of nests in each primary type)													
		No. Hatched	% Hatched						Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard																						
Pintail																						
Gadwall																						
Shoveller																						
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown																						
Total	0		0																			
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 21 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%,etc.)
2.24 ft. wide

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)													
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard																						
Pintail																						
Gadwall																						
Shoveller																						
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown																						
Total	0		0																			
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 22 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%, etc.)
2.25 ft wide.

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary type)															
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard	2	1	50		1										2							
Pintail	1	1	100												1							
Gadwall																						
Shoveller	1		0		1				1													
Teal B-W & Cinn.																						
G-W Teal																						
Ruddy																						
Unknown	1		0		1										1							
Total	5	2	40		3				1						4							0
Coot																						

*Obtain data from Field Form D-1

Form D-4

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----INDIVIDUAL UNIT SUMMARY*

Unit No. 23 Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects=100%, every other transect = 50%,etc.)

3.22 ft. wide.

	Total Nests on Transects	Nests		No. Deserted	No. Destroyed	No. Flooded	Unknown	Primary Covery Type (No. of nests in each primary tvne)															
		No. Hatched	% Hatched					Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded
Mallard																							
Pintail																							
Gadwall																							
Shoveller																							
Teal B-W & Cinn.																							
G-W Teal																							
Ruddy																							
Unknown																							
Total	0		0																				
Coot																							

*Obtain data from Field Form D-1

Forms D5-D10

D5 – Duck Nesting Transects: Refuge Annual Summary

D6 – Calculations for Determination of Corrected Species Composition

D6a – Calculations for Determination of Ducks Produced by Species

D7 – WPS Duck Nesting Transects: Habitat Unit Summary by Years

D8 – WPS Waterfowl Production Estimates: Refuge Summary by Years

D9 – WPS Primary Duck Nesting Cover Types: Refuge Annual Summary

D10 – WPS Primary Duck Nesting Cover Types: Refuge Summary by Years

Form D-5

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----REFUGE ANNUAL SUMMARY*

Recorder: _____ Year: 1972

Transect Coverage in % 50% (All transects 100%, every other transect 50%, etc.)

(1) No. Nests on transect (2) % Total Refuge (3) % Hatch	Species	Unit No. 1	2	3	4	5	6	7	8	9	10	11	14	15	16	17	18	19	20	21	22	23	Total
	Mallard (1)	5	1	11	3		2	8	4	16	1	1	1	2	2	2	9	3			2		72
	(2)	7		15	4		3	11	6	22	1	1	1	3	3	3	13	4			3		100
	(3)	0		45	33		100	63	0	56	0	0	0	100	100	0	62	62			50		
	Pintail (1)	2		4			1	2		5	1		1		1	1	2				1		21
	(2)	9		19			5	9		09	5		5		5	5	9				5		100
	(3)	50		50			100	100		80	0		100		0	0	50				100		
	Gadwall (1)						2	1	1	3			1			2	1						11
	(2)						18	9	9	28			9			18	9						100
	(3)						100	0	100	67			0			50	100						
	Shov. (1)			1				1	1	1											1		5
	(2)			20				20	20	20											20		
	(3)			100				0	0	100											0		
	B-W & (1)		1	1						4	2						2						10
	Cinn. (2)		10	10						40	20						20						
	Teal (3)		0	100						25	0						0						
	G-W Teal (1)										1												1
	(2)										100												
	(3)										100												
	Redhead (1)	1								2													3
	(2)	33								67													
	(3)	100								50													
	Ruddy (1)																						
	(2)																						
	(3)																						
	_____ (1)																						
	(2)																						
	(3)																						
	_____ (1)																						
	(2)																						
	(3)																						
	Unknown (1)			2	3			1	1	9	1					1	1	1			1		21
	(2)			9	17			5	5	42	5					5	5	5			5		100
	(3)			0	33			0	0	33	100					0	0	0			0		
	Total (1)	8	1	19	6	0	5	13	7	40	6	1	3	2	3	6	15	4	0	0	5	0	144
	(2)	6	0.5	13	4	0	4	9	5	28	4	0.5	2	1	2	4	10	3	0	0	4	0	100
	(3)	25	0	42	33	0	100	54	14	58	33	0	33	100	67	12	53	50	0	0	40	0	
	Coot (1)																						
	(2)																						
	(3)																						

* Obtain data from Summary Form D-4

Form D-6

CALCULATIONS FOR DETERMINATION OF CORRECTED SPECIES COMPOSITION

(1)	Species Composition of Transect Data			Species Composition of Breeding Population			(8)	Corrected Sp. Comp. of Nests	
Species	(2) No. Nests From Form D-5)	(3) Sp. Comp. Known Nests in %	(4) Weight (Col. 3 x Col. 2	(5) No. Breeding Ducks	(6) Sp. Comp. in %	(7) Weight (Col. 6 x 1)	Weight (Col. 4 + Col. 7)	(9) Sp. Comp. in % (Col. 8 / 3)	(10) Sp.Comp. in Nos. (Col. 9 x total
Mallard	72	58.5	117.0	3544	50.3	50.3	167.3	55.8	2,066
Pintail	21	17.1	34.2	790	11.2	11.2	45.4	15.2	563
Gadwall	11	9.0	18.0	708	10.0	10.0	28.0	9.3	344
Shoveller	5	4.1	8.2	765	10.9	10.9	19.1	6.4	237
BWT				50	0.7	0.7	1.7	0.5	19
Cinn.Teal	11	8.9	17.8	607	8.6	12.2 8.6	30.0 21.2	7.1	263
G.W. Teal				203	2.9	2.9	7.1	2.4	89
Redhead	3	2.4	4.8	201	2.8	2.8	7.6	2.5	92
Ruddy	0	0	0	182	2.6	2.6	2.6	0.8	30
(Total)	123								
Unknown	21								
TOTAL	144	100		7,050	100		300	100	3,702
Coot									

Form D-6a

CALCULATIONS FOR DETERMINATION OF DUCKS PRODUCED BY SPECIES

Species	(10) Sp. Comp. in Nos. (Col. 9 x total	Hatching Success of Nests			Average Class IIc & III Broods			Sp.Comp.of Ducks Produced to Flight Age	
		(11) No. Nests Hatched on Transects (From Form D-5)	(12) Hatching Success in % (Col.11 / Col. 2)	(13) Total Nests Hatched (Col. 10 x Col.12)	(14) No. Broods Recorded (From Form D-3)	(15) No. Ducklings Recorded (From Form D-3)	(16) Average Brood Size (Col.15 / Col.14)	(17) No. Ducks Produced (Cols.13 x 16)	(18) Sp. Comp. in %
Mallard	2,066	35	48.6	1,004	11	70	6.4	6,425	52.2
Pintail	563	13	61.9	348	14	80	5.7	1,983	16.1
Gadwall	344	7	63.6	219	2	12	6.0	1,314	10.7
Shoveller	237	2	40.0	95	5	37	7.4	703	5.7
B.W. Teal	19	5	45.5	9	4	32	8.0	72	0.6
Cinn. Teal	263			120				960	7.8
G.W. Teal	89			40	4	32	8.0	320	2.6
Redhead	92	2	66.7	63		0	ave. = 6.6	416	3.4
Ruddy	30		52.0	16			ave. = 6.6	106	0.9
Totals	3,702	64	52.0	1,914			6.6		
Unknown		5	83.8						
TOTAL	3,702	69	47.9		40	263		12,299	100
Coot									

Form D-7

WATERFOWL PRODUCTION SURVEY

DUCK NESTING TRANSECTS----HABITAT UNIT SUMMARY BY YEARS*

Recorder: _____

Year	% Coverage	Unit No. 1	2	3	4	5	6	7	8	9	10	11	14	15	16	17	18	19	20	21	22	23	Total
1964 (1)	100%	2	2	12	2	0	11	20	21	30	6	10	8	24	5	27	62	4	5	5	5	0	261
(2)		100	50	25	50	–	45	25	43	30	67	80	25	58	100	85	66	50	60	40	80	–	54.8%
(3)																							
1965 (1)	100%	6	1	10	2	2	11	13	16	38	5	12	3	13	2	25	35	3	2	6	6	1	212
(2)		27	0	70	0	50	36	38	44	48	0	58	33	54	50	64	76	66	100	83	66	0	55.7%
(3)																							
1966 (1)	100%	5	2	17	2	0	23	9	4	54	13	4	10	17	11	20	38	4	5	12	8	1	259
(2)		60	100	88	0	–	48	67	100	98	54	75	80	82	64	55	71	75	20	68	38	100	77.0%
(3)																							
1967 (1)	100%	1	2	27	1	1	16	23	14	46	14	10	2	14	4	27	46	5	4	5	1	0	263
(2)		0	100	66	0	100	31	70	57	74	50	50	50	57	75	70	65	80	75	20	0	–	61.9%
(3)																							
1968 (1)	100%	9	5	34	9	0	23	24	21	59	9	5	3	21	10	20	39	7	0	6	6	1	311
(2)		44	20	62	33	–	57	63	57	58	33	0	67	52	40	50	59	43	–	83	67	0	54.0%
(3)																							
1969 (1)	50%	12	1	28	2	0	10	19	11	44	9	2	4	11	9	9	25	6	0	7	9	0	218
(2)		75	100	57	100	–	40	68	73	64	89	100	25	55	22	78	64	66	–	0	56	–	62.4%
(3)																							
1970 (1)	50%	15	9	16	1	0	15	6	16	44	7	2	4	7	2	6	46	6	2	5	7	1	217
(2)		33	0	50	0	–	38	50	50	59	43	0	50	43	100	66	63	33	50	20	28	0	48.4%
(3)																							
1971 (1)	25%	2	3	16	1	0	9	6	8	29	4	0	5	2	1	3	20	4	0	2	2	0	117
(2)		50	33	50	0	–	44	33	50	31	75	0	40	0	0	33	40	25	–	0	50	–	38.5%
(3)																							
1972 (1)	50% with 24 Ft. width	8	1	19	6	0	5	13	7	40	6	1	3	2	3	6	15	4	0	0	5	0	144
(2)		25	0	47	33	–	100	54	14	58	33	0	33	100	67	17	53	50	–	–	40	–	47.9%
(3)																							
____ (1)																							
(2)																							
(3)																							

(1) No. Nests
(2) Corr. No. Nests**
(3) % Hatch

* Obtain data from Summary Form D-5

** Adjust figures to represent 100% transect coverage

Form D-8

WATERFOWL PRODUCTION SURVEY

WATERFOWL PRODUCTION ESTIMATES----REFUGE SUMMARY BY YEARS*

Recorder: _____

Year	Mallard	Pintail	Gadwall	Shoveller	B-W Teal	Cinn. Teal	G-W Teal	Redhead	Ruddy	Baldpate		Total	Conf. limits of Data in %	Coot
1964	9,214	1,475	686	323	102	102	708	249	16	—		12,875	20.5	
1965	10,400	1,200	1,100	400	150	1,000	150	450	120	20		15,010	—	
1966	16,718	2,110	786	686	72	1,396	350	513	237	20		22,888	16.3	
1967	12,685	1,811	1,434	634	534	1,768	534	649	72	12		20,133	18.0	
1968	12,567	1,731	1,783	857	339	1,252	394	194	66	33		19,216	17.6	
1969	16,815	2,306	1,877	925	323	1,300	1,300	330	68	13		25,257	19.7	
1970	11,291	2,387	1,337	860	248	2,046	1,066	104	189	8		19,528	20.6	
1971	8,422	1,755	949	589	521	645	508	422	87	6	Scaup 31 / Can 7	13,942	23.1	
1972	6,425	1,983	1,314	703	72	960	320	416	106	—		12,299	24.7	

* Obtain data from Column 17, Summary Form D-6a
Obtain confidence limits from calculation (C) in text

Form D-9

WATERFOWL PRODUCTION SURVEY

PRIMARY DUCK NESTING COVER TYPES----REFUGE ANNUAL SUMMARY*

Recorder: _____ Year: 1972

(1) No. Nests (2) % in Primary Type		Primary Type																
		Sx	Sve	Crx	Dst	Gx	Mof	Wx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded		
Mallard	(1)	3	5			2			58		1	3		1		35	72	
	(2)	4.1	6.9			2.8			80.6		1.4	4.1		1.4		48.6		
Pintail	(1)		4						16		1					10	21	
	(2)		19.1						76.2		4.7					47.6		
Gadwall	(1)	1	3			1			6							2	11	
	(2)	9.1	27.3			9.1			54.5							18.2		
Shoveller	(1)		1						4							3	5	
	(2)		20.0						80.0							60		
B-W & Cinn. Teal	(1)	1							9							5	10	
	(2)	10							90							50		
G.W. Teal	(1)		1													0	1	
	(2)		100													0		
Redhead	(1)								2		1					1	3	
	(2)								66.7		33.3					33.3		
Ruddy	(1)																	
	(2)																	
_____	(1)																	
	(2)																	
UNKNOWN	(1)	1				1			17		1	1		1		6	21	
	(2)	4.7				4.7			76.5		4.7	4.7		4.7		28.5		
Total	(1)	6	14			4			112		4	4		2		62	144	
	(2)	4.1	9.7			2.8			77.8		2.8	2.8		1.4		43.1	-	
Coot	(1)																	
	(2)																	

* Obtain data from Summary Form D-4

Form D-10

WATERFOWL PRODUCTION STUDY

PRIMARY DUCK NESTING COVER TYPES----REFUGE SUMMARY BY YEARS*

Recorder: _____

Year	(1) No. Duck Nests (2) % in Primary Type	Primary Cover Type																
		Sx	Sve	Crx	Dst	Gx	Mof	Nx	Jba	Cx	Ex	Tla	Sva	Dike	Ditch	Flooded	Total
1964	(1)	3	37		4	3		3	202	6		3		2	4	96	261
	(2)	1.1	14.2		1.5	1.2		1.2	77.4	2.3		1.1		0.8	1.5	36.8	
1965	(1)		57	4	7	6		5	124	5	3	1		0	3	101	212
	(2)		26.9	1.9	3.3	2.8		2.4	58.5	2.3	1.4	0.5		–	1.4	47.6	
1966	(1)		21	2	2	12		3	212	5	1		1	5	0	107	259
	(2)		8.1	.8	.8	4.6		1.1	81.9	1.9	.4		.4	1.9	–	41.3	
1967	(1)		23	3		4		1	225	2		2	3	0	0	102	263
	(2)		8.7	1.1		1.5		.4	85.6	.8		.8	1.1	–	–	38.8	
1968	(1)	3	61	0	5	4		6	225	6			1	1	0	10	311
	(2)	1.0	19.6		1.6	1.3		1.9	72.4	1.9			.3	.3	–	3.2	
1969	(1)		22		3	2		5	178	2	1			6	2	126	218
	(2)		10.1		1.4	.9		2.3	81.6	3.2	0.5			2.8	.9	80.7	
1970	(1)		30	2	9	3		3	159	7	2	2		1	2	97	217
	(2)		13.8	0.9	4.2	1.4		1.4	73.3	3.2	0.9	0.9		0.5	0.9	44.7	
1971	(1)		9		1	1		1	102	2	1	2		0	0	91	117
	(2)		6.0		0.8	0.8		0.9	87.2	1.7	0.9	1.7		–	–	77.8	
1972	(1)	6	14			4			112		4	4		2	0	62	144
	(2)	4.1	9.7			2.8			77.8		2.8	2.8		1.4	–	43.1	
	(1)																
	(2)																

* Obtain data from Summary Form D-9

WATERFOWL PRODUCTION SURVEYS

(1964 – 1972)

UNIT \ YEAR	1964	1965	1966	1967	1968	1969	1970	1971	1972	TOTAL
% COVERAGE	100%	100%	100%	100%	100%	50% w/24 ft. width	50% w/24 ft. width	25% w/24 ft. width	50% w/24 ft. width	
UNIT 1	2	6	5	1	9	12	15	2	8	60
" 2	2	1	2	2	5	1	9	3	1	26
" 3	12	10	17	27	34	28	16	16	19	179
" 4	2	2	2	1	9	2	1	1	6	26
" 5	0	2	0	1	0	0	0	0	0	3
" 6	11	11	23	16	23	10	15	9	5	123
" 7	20	13	9	23	24	19	6	6	13	133
" 8	21	16	4	14	21	11	16	8	7	118
" 9	30	38	54	46	59	44	44	29	40	384
" 10	6	5	13	14	9	9	7	4	6	73
" 11	10	12	4	10	5	2	2	0	1	46
" 14	8	3	10	2	3	4	4	5	3	42
" 15	24	13	17	14	21	11	7	2	2	111
" 16	5	2	11	4	10	9	2	1	3	47
" 17	27	25	20	27	20	9	6	3	6	143
" 18	62	35	38	46	39	25	46	20	15	326
" 19	4	3	4	5	7	6	6	4	4	43
" 20	5	2	5	4	0	0	2	0	0	18
" 21	5	6	12	5	6	7	5	2	0	48
" 22	5	6	8	1	6	9	7	2	5	49
" 23	0	1	1	0	1	0	1	0	0	4
Total	261	212	259	263	311	218	217	117	144	2,002
% SUCCESSFUL	55%	56%	77%	62%	54%	62%	48%	39%	48%	56%
NO. NESTS FOR ALL YEARS AT 100%	261	212	259	263	311	291	289	312	198	2,396

Raw Data

Monte Vista National Wildlife Refuge
P.O. Box 511
Monte Vista, Colorado 81144

July 8, 1972

Mr. Richard M. Hopper, Wildlife Researcher
Game Research Center
Colorado State Game, Fish and Parks Department
P.O. Box 567
Fort Collins, Colorado

Dear Mr. Hopper:

Enclosed is a summary of the nests that were found during the second transect run conducted June 15 through June 29, 1972. Sixty-nine nests were found on the second run compared to 75 (2 - a mallard and a pintiil - were found in Unit 6 which we didn't give you last month) on the first run this year. This gives a total of 144 nests this year (117 last year) and represents a 38.5% drop in the number of nests this year compared to last.

Of the 75 nests found on the first run 68 have been rechecked and 27 of the 68 hatched, yielding a hatching success of 40%.

Sincerely yours,

Leland E. Herzberger
Acting Refuge Manager

JES/mg

P.S. Dick,

I was unable to find out exactly what % we sampled this year but it is approximately twice that of last year. In '71 we sampled every 4th transect (24' wide) and in '72 we sampled every other transect (24' wide). I'll send the exact figure when I locate or am able to figure it.

Lee

DUCK NESTS FOUND ON MONTE VISTA NWR

SECOND TRANSECT RUN (JUNE 15 - 29, 1972)

Unit	Mallard	Pintail	BWT or CT	Shoveler	Redhead	Gadwall	Unk.	Total
1	3	1			1			5
2			1					1
3	5	2		1			2	10
4	1			1				2
5								0
6	1					2		3
7	2	2				1	1	6
8						1	1	2
9	6	1	3	1	2	3	5	21
10			1				1	2
11	1							1
14	1	1						2
15						1		1
16	2	1						3
17						2		2
18	4					1	1	6
19	1							1
20								0
21								0
22	1							1
23								0
TOTAL	28	8	5	3	3	11	11	69

Monte Vista National Wildlife Refuge
P.O. Box 511
Monte Vista, Colorado 81144

May 25, 1972

Mr. Richard M. Hopper, Wildlife Researcher
Game Research Center
Colorado State Game, Fish and Parks Department
P.O. Box 567
Fort Collins, Colorado

Dear Mr. Hopper:

Enclosed is a summary of the nests that were found on transects during the period of May 15 through May 24, 1972. This year every other transect line was run, rather than every fourth one, as was done last year. A total of 73 nests were found this year on the first run, compared to 64 last year. This indicates a substantial drop from last year since twice as many transect lines were run this year. This correlates with the fact that our breeding population of ducks is about one-third what it was last year at this time.

We plan to do the second run beginning June 15 and will provide you with the information obtained at that time.

Sincerely yours,

Charles R. Bryant

JES/mg

DUCK NESTS FOUND ON MONTE VISTA NWR

FIRST TRANSECT RUN (MAY 15-24, 1972)

Unit	Mallard	Pintail	BWT or CT	Shoveler	GWT	Unknown	Total
1	2	1					3
2							0
3	6	1	1			1	9
4	2					2	4
5							0
6*	1	1					* 2
7	5			1		1	7
8	4			1			5
9	8	4	1			6	19
10	1		1		1	1	4
11							0
14							0
15	2						2
16							0
17	2					2	4
18	5	2	2				9
19	2					1	3
20							0
21							0
22	1	1		1		1	4
23							0
TOTAL	~~40~~ 41	~~9~~ 10	5	3	1	15	~~73~~ 75
Percent	(55%)	(12%)	(7%)	(4%)	(1%)	(21%)	

* Data not available yet -- will probably be about 4 nests.

STATUS OF DUCK NESTS FOUND ON MONTE VISTA NWR

FIRST TRANSECT RUN (MAY 15-24, 1972)

Laying	14	(19%)
Incubating	38	(52%)
Destroyed (avian)	13	(18%)
Destroyed (Mammalian)	5	(7%)
Flooded	3	(4%)
Abandoned	0	
	73	(100%)

1972

1972: BOTH RUNS — 144 NESTS (every other trans.)
1971: BOTH RUNS — 117 NESTS (every 4th trans.)
(i.e. 38.5% drop from last year)

UNIT	FIRST RUN							SECOND RUN
	Total	H	D(f)	D(m)	DESERT	Shield	?	Total
1	3		2		1			5
2	0							1
3	9							10
4	4							2
5	0							0
6	2							3
7	7	3	1			1	2	6
8	5							2
9	19							21
10	4							2
11	0							1
14	0							3
15	2	2						0
16	0							3
17	4							2
18	9							6
19	3	1	2					1
20	0							0
21	0							0
22	4	2	1	1				1
23	0							0
Total	75							69

NESTING PRODUCTION DATA 1972

MONTE VISTA NATIONAL WILDLIFE REFUGE

LONNIE D. SCHROEDER

FRED A. GLOVER

SPECIES	NEST	UNIT	RUN	STATUS WHEN FOUND		N. EGGS	COVER TYPE		LOCATION	FATE	N. HATCH
PINTAIL	4	1	MAY	LAYING		2	BLACK RUSH		FLOODED	DESTROYED	0
MALLARD	104	1	MAY	DESTROYED		5	BLACK RUSH		FLOODED	DESTROYED	0
MALLARD	105	1	MAY	LAYING		4	GRASS		FLOODED	DESERTED	0
PINTAIL	27	1	JUNE	INCUBATING		4	BLACK RUSH		FLOODED	SUCCESSFUL	4
MALLARD	28	1	JUNE	DESTROYED		3	SOFTSTEM BULRUSH		FLOODED	DESTROYED	0
MALLARD	32	1	JUNE	INCUBATING		8	BLACK RUSH	ELEOCHARIS	FLOODED	DESERTED	0
REDHEAD	33	1	JUNE	INCUBATING		9	BLACK RUSH	ELEOCHARIS	FLOODED	SUCCESSFUL	7
MALLARD	74	1	JUNE	INCUBATING		4	BLACK RUSH		FLOODED	DESTROYED	0
B-W-TEAL	35	2	JUNE	DESERTED		4	BLACK RUSH		FLOODED	DESERTED	0
B-W-TEAL	19	3	MAY	INCUBATING		9	BLACK RUSH			SUCCESSFUL	9
PINTAIL	20	3	MAY	INCUBATING		8	BLACK RUSH		FLOODED	SUCCESSFUL	8
MALLARD	62	3	MAY	INCUBATING		7	SEDGE	CATTAIL	DIKE	SUCCESSFUL	7
PINTAIL	64	3	MAY	DESTROYED		4	BLACK RUSH		FLOODED	DESTROYED	0
MALLARD	126	3	MAY	LAYING		1	BLACK RUSH			DESERTED	0
MALLARD	128	3	MAY	INCUBATING		6	BLACK RUSH	CATTAIL		DESERTED	0
MALLARD	129	3	MAY	INCUBATING		9	BLACK RUSH			SUCCESSFUL	8
MALLARD	130	3	MAY	LAYING		4	BLACK RUSH	CATTAIL		DESTROYED	0
MALLARD	131	3	MAY	INCUBATING		4	BLACK RUSH			DESTROYED	0
MALLARD	150	3	JUNE	DESTROYED		3	WEEDS	BLACK RUSH		DESTROYED	0
MALLARD	81	3	JUNE	INCUBATING		8	BLACK RUSH			SUCCESSFUL	8
SHOVELER	84	3	JUNE	INCUBATING	COVERED	6	BLACK RUSH		FLOODED	SUCCESSFUL	6
MALLARD	85	3	JUNE	INCUBATING		7	BLACK RUSH		FLOODED	SUCCESSFUL	7
PINTAIL	85	3	JUNE	INCUBATING		8	BLACK RUSH		FLOODED	SUCCESSFUL	7
PINTAIL	86	3	JUNE	COVERED	DESERTED	9	BLACK RUSH			DESERTED	0
MALLARD	144	3	JUNE	LAYING		5	BLACK RUSH			SUCCESSFUL	5
MALLARD	145	3	JUNE	LAYING		5	BLACK RUSH			DESTROYED	0
UNKNOWN	146	3	JUNE	DESTROYED			BLACK RUSH	CATTAIL		DESTROYED	0
UNKNOWN	147	3	JUNE	DESTROYED			WEEDS	BLACK RUSH		DESTROYED	0
UNKNOWN	69	4	MAY	DESTROYED		2	BLACK RUSH		FLOODED	DESTROYED	0
MALLARD	132	4	MAY	INCUBATING		7	BLACK RUSH	CATTAIL		SUCCESSFUL	7
MALLARD	133	4	MAY	INCUBATING		9	WEEDS	BLACK RUSH		DESTROYED	0
UNKNOWN	134	4	MAY	DESTROYED		3	BLACK RUSH			DESTROYED	0
UNKNOWN	151	4	MAY	HATCHED		3	BLACK RUSH			SUCCESSFUL	4
MALLARD	152	4	MAY	DESTROYED		2	CATTAIL			DESTROYED	0
PINTAIL	55	6	MAY	LAYING		3	GREASEWOOD	SALTGRASS		SUCCESSFUL	7
MALLARD	56	6	JUNE	LAYING		9	GREASEWOOD	BLACK RUSH		SUCCESSFUL	9
GADWALL	523	6	JUNE	INCUBATING		9	GRASS	BLACK RUSH		SUCCESSFUL	9
MALLARD	524	6	JUNE	INCUBATING		8	GREASEWOOD	SALTGRASS		SUCCESSFUL	7
GADWALL	525	6	JUNE	INCUBATING		11	BLACK RUSH			SUCCESSFUL	11
MALLARD	103	7	JUNE	INCUBATING		9	BLACK RUSH			SUCCESSFUL	9
MALLARD	106	7	JUNE	LAYING		4	BLACK RUSH		FLOODED	SUCCESSFUL	7
MALLARD	107	7	MAY	DESTROYED		6	BLACK RUSH			DESTROYED	0
MALLARD	108	7	MAY	INCUBATING		10	BLACK RUSH		FLOODED	SUCCESSFUL	7
MALLARD	109	7	MAY	FLOODED		1	BLACK RUSH		FLOODED	FLOODED	0

Moore Business Forms, Inc. sv

SPECIES	NEST	UNIT	RUN	STATUS WHEN FOUND	N. EGGS	COVER TYPE		LOCATION	FATE	N. HATCH
MALLARD	110	7	MAY	INCUBATING	7	BLACK RUSH		FLOODED	SUCCESSFUL	7
SHOVELER	111	7	MAY	LAYING	4	BLACK RUSH		FLOODED	UNKNOWN	0
GADWALL	23	7	JUNE	LAYING	8	GREASEWOOD	SALTGRASS		DESTROYED	0
UNKNOWN	24	7	JUNE	DESTROYED	1	GRASS			DESTROYED	0
MALLARD	25	7	JUNE	INCUBATING	7	BLACK RUSH	ELEOCHARIS	FLOODED	SUCCESSFUL	4
PINTAIL	26	7	JUNE	INCUBATING	6	BLACK RUSH		FLOODED	SUCCESSFUL	6
PINTAIL	72	7	JUNE	INCUBATING	8	BLACK RUSH		FLOODED	SUCCESSFUL	2
MALLARD	73	7	JUNE	DESTROYED	2	BLACK RUSH		FLOODED	DESTROYED	0
MALLARD	5	8	MAY	INCUBATING	8	SALTGRASS	BLACK RUSH		DESTROYED	0
MALLARD	6	8	MAY	LAYING	1	SALTGRASS	BLACK RUSH		DESERTED	0
MALLARD	114	8	MAY	DESTROYED	3	GREASEWOOD	GRASS	FLOODED	DESTROYED	0
SHOVELER	115	8	MAY	LAYING	1	BLACK RUSH			UNKNOWN	0
MALLARD	116	8	MAY	LAYING	1	BLACK RUSH			UNKNOWN	0
GADWALL	77	8	JUNE	INCUBATING	8	GREASEWOOD	BLACK RUSH		SUCCESSFUL	8
UNKNOWN	78	8	JUNE	DESTROYED	3	BLACK RUSH		FLOODED	DESTROYED	0
MALLARD	9	9	MAY	INCUBATING	8	BLACK RUSH		FLOODED	DESERTED	0
PINTAIL	10	9	MAY	INCUBATING	6	BLACK RUSH		FLOODED	SUCCESSFUL	5
MALLARD	11	9	MAY	INCUBATING	8	BLACK RUSH		FLOODED	SUCCESSFUL	7
MALLARD	12	9	MAY	INCUBATING	10	BLACK RUSH		FLOODED	SUCCESSFUL	8
UNKNOWN	13	9	MAY	DESTROYED		BLACK RUSH			DESTROYED	0
MALLARD	14	9	MAY	FLOODED	1	BLACK RUSH		FLOODED	FLOODED	0
MALLARD	15	9	MAY	FLOODED	1	GREASEWOOD	SALTGRASS	FLOODED	FLOODED	0
UNKNOWN	16	9	MAY	DESTROYED	5	BLACK RUSH			DESTROYED	0
PINTAIL	17	9	MAY	INCUBATING	6	BLACK RUSH			SUCCESSFUL	3
PINTAIL	18	9	MAY	INCUBATING	6	BLACK RUSH			SUCCESSFUL	6
MALLARD	57	9	MAY	INCUBATING	8	BLACK RUSH		FLOODED	SUCCESSFUL	8
MALLARD	58	9	MAY	INCUBATING	17	BLACK RUSH		FLOODED	DESERTED	0
MALLARD	59	9	MAY	INCUBATING	8	BLACK RUSH		FLOODED	SUCCESSFUL	7
UNKNOWN	60	9	MAY	LAYING	8	BLACK RUSH		FLOODED	DESERTED	0
B-W-TEAL	61	9	MAY	DESTROYED	3	GREASEWOOD	SALTGRASS		DESTROYED	0
PINTAIL	63	9	MAY	INCUBATING	6	SALTGRASS	BLACK RUSH	FLOODED	DESTROYED	0
MALLARD	124	9	MAY	DESTROYED	4	GREASEWOOD	BLACK RUSH		DESTROYED	0
MALLARD	125	9	MAY	DESTROYED	4	GREASEWOOD	BLACK RUSH		DESTROYED	0
UNKNOWN	127	9	MAY	DESTROYED		BLACK RUSH			DESTROYED	0
MALLARD	40	9	JUNE	INCUBATING	7	GRASS	BLACK RUSH	FLOODED	SUCCESSFUL	7
SHOVELER	41	9	JUNE	INCUBATING	4	BLACK RUSH	ELEOCHARIS	FLOODED	SUCCESSFUL	2
UNKNOWN	42	9	JUNE	DESTROYED	1	GREASEWOOD			DESTROYED	0
B-W-TEAL	43	9	JUNE	INCUBATING	8	BLACK RUSH			SUCCESSFUL	8
GADWALL	44	9	JUNE	INCUBATING	8	GREASEWOOD	BLACK RUSH	FLOODED	SUCCESSFUL	7
B-W-TEAL	45	9	JUNE	INCUBATING	10	SALTGRASS	BLACK RUSH		SUCCESSFUL	10
MALLARD	46	9	JUNE	INCUBATING	7	BLACK RUSH	ELEOCHARIS	FLOODED	SUCCESSFUL	5
B-W-TEAL	47	9	JUNE	HATCHED	9	BLACK RUSH		FLOODED	SUCCESSFUL	9
PINTAIL	48	9	JUNE	INCUBATING	12	BLACK RUSH		FLOODED	SUCCESSFUL	7
REDHEAD	49	9	JUNE	LAYING	2	BLACK RUSH		FLOODED	DESERTED	0
GADWALL	82	9	JUNE	INCUBATING	10	BLACK RUSH		FLOODED	DESERTED	0
GADWALL	83	9	JUNE	INCUBATING	10	GREASEWOOD	SALTGRASS		SUCCESSFUL	10
MALLARD	135	9	JUNE	DESTROYED	6	BLACK RUSH			DESTROYED	0
MALLARD	136	9	JUNE	LAYING	5	BLACK RUSH			SUCCESSFUL	4
MALLARD	137	9	JUNE	INCUBATING	8	BLACK RUSH	CATTAIL		SUCCESSFUL	3
UNKNOWN	138	9	JUNE	LAYING	9	BLACK RUSH			SUCCESSFUL	7

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SPECIES	NEST	UNIT	RUN	STATUS WHEN FOUND	N. EGGS	COVER TYPE		LOCATION	FATE	N. HATCH
UNKNOWN	139	9	JUNE	LAYING	8	BLACK RUSH			SUCCESSFUL	2
UNKNOWN	140	9	JUNE	DESERTED	6	BLACK RUSH			DESERTED	0
MALLARD	141	9	JUNE	INCUBATING	6	BLACK RUSH			SUCCESSFUL	5
UNKNOWN	142	9	JUNE	INCUBATING	7	BLACK RUSH	ELEOCHARIS		SUCCESSFUL	7
REDHEAD	143	9	JUNE	INCUBATING	8	BLACK RUSH	ELEOCHARIS		SUCCESSFUL	7
PINTAIL	65	10	MAY	DESTROYED	6	BLACK RUSH	CATTAIL	FLOODED	DESTROYED	0
MALLARD	66	10	MAY	INCUBATING	8	BLACK RUSH		FLOODED	DESTROYED	0
G-W-TEAL	67	10	MAY	LAYING	9	BLACK RUSH	GRASS		SUCCESSFUL	8
B-W-TEAL	68	10	MAY	INCUBATING	8	BLACK RUSH	CATTAIL	FLOODED	DESTROYED	0
B-W-TEAL	87	10	JUNE	INCUBATING	9	BLACK RUSH		FLOODED	DESTROYED	0
UNKNOWN	88	10	JUNE	HATCHED		BLACK RUSH		FLOODED	SUCCESSFUL	6
MALLARD	89	11	JUNE	INCUBATING	8	BLACK RUSH			DESTROYED	0
MALLARD	21	14	JUNE	DESTROYED	4	GRASS	WEEDS		DESTROYED	0
PINTAIL	22	14	JUNE	INCUBATING	5	GREASEWOOD	BLACK RUSH		SUCCESSFUL	5
GADWALL	71	14	JUNE	INCUBATING	9	GREASEWOOD	BLACK RUSH		DESTROYED	0
MALLARD	2	15	MAY	INCUBATING	7	WEEDS	BLACK RUSH	FLOODED	SUCCESSFUL	7
MALLARD	3	15	MAY	INCUBATING	10	BLACK RUSH			SUCCESSFUL	10
MALLARD	29	16	JUNE	INCUBATING	4	GREASEWOOD			SUCCESSFUL	4
PINTAIL	30	16	JUNE	INCUBATING	5	GREASEWOOD	SALTGRASS		DESTROYED	0
MALLARD	31	16	JUNE	INCUBATING	5	BLACK RUSH			SUCCESSFUL	5
MALLARD	54	17	MAY	INCUBATING	9	BLACK RUSH		FLOODED	DESTROYED	0
PINTAIL	55	17	MAY	DESTROYED	6	GRASS	BLACK RUSH		DESTROYED	0
UNKNOWN	113	17	MAY	DESTROYED		BLACK RUSH			DESTROYED	0
MALLARD	117	17	MAY	DESTROYED	5	GREASEWOOD	BLACK RUSH		DESTROYED	0
GADWALL	34	17	MAY	INCUBATING	9	BLACK RUSH			SUCCESSFUL	8
GADWALL	76	17	MAY	INCUBATING	8	BLACK RUSH			DESTROYED	0
PINTAIL	7	18	MAY	INCUBATING	8	GREASEWOOD			DESTROYED	0
B-W-TEAL	8	18	MAY	INCUBATING	5	GRASS	BLACK RUSH	FLOODED	DESERTED	0
PINTAIL	56	18	MAY	INCUBATING	7	GREASEWOOD	ELEOCHARIS	FLOODED	SUCCESSFUL	5
B-W-TEAL	118	18	MAY	LAYING	6	BLACK RUSH			DESTROYED	0
MALLARD	119	18	MAY	INCUBATING	8	BLACK RUSH			SUCCESSFUL	8
MALLARD	120	18	MAY	INCUBATING	8	GREASEWOOD	BLACK RUSH		SUCCESSFUL	4
MALLARD	121	18	MAY		2	BLACK RUSH			DESTROYED	0
MALLARD	122	18	MAY	INCUBATING	7	BLACK RUSH			SUCCESSFUL	7
MALLARD	123	18	MAY	INCUBATING	9	BLACK RUSH			SUCCESSFUL	9
MALLARD	36	18	JUNE	DESTROYED	2	BLACK RUSH	CATTAIL	FLOODED	DESTROYED	0
UNKNOWN	37	18	JUNE	DESTROYED	8	BLACK RUSH	CATTAIL	FLOODED	DESTROYED	0
MALLARD	38	18	JUNE	INCUBATING	9	BLACK RUSH	ELEOCHARIS	FLOODED	SUCCESSFUL	8
GADWALL	39	18	JUNE	LAYING	6	BLACK RUSH			SUCCESSFUL	3
MALLARD	79	18	JUNE	INCUBATING	6	BLACK RUSH		FLOODED	SUCCESSFUL	6
MALLARD	80	18	JUNE	INCUBATING	9	GREASEWOOD	BLACK RUSH	FLOODED	DESTROYED	0
MALLARD	1	19	MAY	INCUBATING	5	BLACK RUSH			SUCCESSFUL	5
MALLARD	101	19	MAY	INCUBATING	8	BLACK RUSH		FLOODED	DESTROYED	0
UNKNOWN	102	19	MAY	DESTROYED	3	BLACK RUSH			DESTROYED	0
MALLARD	70	19	JUNE	INCUBATING	10	BLACK RUSH			SUCCESSFUL	9
PINTAIL	51	22	MAY	INCUBATING	5	BLACK RUSH			SUCCESSFUL	3
SHOVELER	52	22	MAY	LAYING	3	GREASEWOOD	GRASS		DESTROYED	0
MALLARD	53	22	MAY	INCUBATING	11	GRASS	BLACK RUSH		SUCCESSFUL	10
UNKNOWN	112	22	MAY	DESTROYED	2	BLACK RUSH			DESTROYED	0
MALLARD	75	22	JUNE	INCUBATING	7	BLACK RUSH			DESTROYED	0

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PAGE 4 1972

SPECIES	NEST	UNIT	RUN	STATUS WHEN FOUND	N. EGGS	COVER TYPE	LOCATION	FATE	N. HATCH

Moore Business Forms, Inc. sv

NESTING PRODUCTION DATA 1972 PART 2

MONTE VISTA NATIONAL WILDLIFE REFUGE

~~RICHARD S. POSPAHALA~~
Lonnie D. Schroeder

FRED A. GLOVER

SPECIES COMPOSITION OF NESTS ON TRANSECT

SPECIES	NO. NESTS	PERCENT
MALLARD	72	50.00
GADWALL	11	7.64
WIDGEON	0	0.00
TEAL	11	7.64
SHOVELER	5	3.47
PINTAIL	21	14.58
REDHEAD	3	2.08
RUDDY	0	0.00
COOT	0	0.00
UNKNOWN	21	14.58
TOTAL NESTS	144	

YEARLY SUMMARY OF NEST FATES

PERCENT OF NESTS SUCCESSFUL	= 47.92	69 NESTS
PERCENT OF NESTS DESERTED	= 9.72	14 NESTS
PERCENT OF NESTS DESTROYED	= 38.19	55 NESTS
PERCENT OF NESTS FLOODED	= 2.08	3 NESTS
PERCENT OF NESTS FATE UNKNOWN	= 2.08	3 NESTS
TOTAL NUMBER OF NESTS		144

THE AVERAGE CLUTCH SIZE FOR SUCCESSFUL NESTS WAS 6.58 BASED ON 69 NESTS.

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1972 NESTING TRANSECT CALCULATIONS

Acre	Nests/Ac.	Squared
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14	1	1
15	1	1
16		
17		
18		
19		
20		
21	1	1
22		
23	1	1
24		
25		

Acre	Nests/Ac.	Squared
26		
27		
28	1	1
29		
30		
31		
32		
33		
34	1	1
35	1	1
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49	1	1
50		

Acre	Nests/Ac.	Squared
51	1	1
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66	1	1
67	1	1
68		
69		
70		
71		
72		
73		
74		
75		

Acre	Nests/Ac.	Squared
76		
77		
78		
79	1	1
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95	2	4
96		
97		
98		
99		
100		

Acre	Nests/Ac.	Squared
101		
102		
103		
104		
105		
106		
107		
108		
109	1	1
110		
111		
112		
113		
114		
115		
116		
117		
118		
119		
120		
121		
122		
123		
124		
125		

Acre	Nests/Ac.	Squared
126		
127		
128		
129		
130		
131		
132		
133		
134		
135		
136	1	1
137		
138		
139	1	1
140		
141		
142		
143		
144		
145		
146		
147		
148		
149		
150		

Acre	Nests/Ac.	Squared
151		
152	2	4
153		
154		
155		
156		
157		
158		
159		
160	1	1
161		
162		
163	3	9
164		
165		
166		
167		
168	3	9
169		
170		
171		
172		
173		
174		
175		

Acre	Nests/Ac.	Squared
176		
177		
178		
179		
180		
181	1	1
182	1	1
183	2	4
184		
185	1	1
186		
187		
188		
189	2	4
190		
191	1	1
192		
193		
194		
195	1	1
196		
197		
198		
199		
200		

Acre	Nests/Ac.	Squared
201		
202		
203	2	4
204		
205	1	1
206		
207		
208		
209		
210		
211		
212		
213		
214	1	1
215		
216	1	1
217		
218		
219		
220		
221		
222	1	1
223	2	4
224		
225	1	1

Acre	Nests/Ac.	Squared
226		
227		
228	1	1
229		
230		
231		
232		
233		
234		
235	2	4
236		
237	1	1
238		
239		
240	1	1
241		
242	2	4
243		
244		
245	1	1
246		
247		
248		
249		
250		

Acre	Nests/Ac.	Squared
251		
252		
253		
254		
255		
256	1	1
257		
258	1	1
259		
260	1	1
261	1	1
262		
263		
264		
265		
266		
267		
268	1	1
269		
270	1	1
271	2	4
272		
273		
274		
275		1

Acre	Nests/Ac.	Squared
276	1	1
277		
278		
279	2	4
280	1	1
281	3	9
282		
283	2	4
284		
285		
286		
287		
288	7	49
289	1	1
290		
291		
292		
293		
294		
295		
296	5	25
297	6	36
298		
299		
300	1	1

Acre	Nests/Ac.	Squared
301	2	4
302		
303		
304	2	4
305	4	16
306		
307		
308		
309		
310		
311	2	4
312		
313	2	4
314		
315		
316	1	1
317		
318		
319	5	25
320		
321	1	
322	1	1
323		
324		
325	1	1

Acre	Nests/Ac	Squared
326	1	1
327	1	1
328	2	4
329	1	1
330	1	1
331		
332		
333	2	4
334		
335		
336		
337		
338	1	1
339		
340	1	1
341	2	4
342	1	1
343	1	1
344		
345		
346	1	1
347		
348		
349	2	4
350		

Acre	Nests/Ac.	Squared
351	1	1
352		
353	1	1
354		
355		
356		
357	1	1
358	1	1
359	1	1
360		
361		
362		
363		
364		
365		
366		
367		
368	1	1
369		
370		
371		
372		
373		
374		
375	1	1

Acre	Nests/Ac.	Squared
376	1	1
377	2	4
378		
379		
380		
381		
382	1	1
383		
384		
385	2	4
386		
387		
388		
389		
390		
391	1	1
392		
393	2	4
394		
395		
396	1	1
397		
398		
399		
400		

Acre	Nests/Ac.	Squared
401		
402		
403		
404		
405		
406		
407		
408		
409		
410		
411		
412		
413		
414		
415		
416		
417		
418		
419		
420		
421		
422	1	1
423		
424		
425		

Acre	Nests/Ac.	Squared
426		
427		
428		
429		
430		
431		
432		
433		
434		
435		
436		
437		
438		
439		
440		
441		
442		
443		
444		
445		
446		
447		
448		
449		
450		

$\Sigma x = 144$ $\Sigma x^2 = 330$

8 – Gad
5 – Tx
6 – Shov. } ≥ IIc

UNIT 6 BROOD OBSERVATIONS

Year 1972 Name Schroeder

Species	No. & Class	Date	Location	Comments
✓ (*) PiN	7 IIc	6/13		Gad 5 Ib 7/14
				Shov. IIb "
Shov	10 I ?	6/14	✓ (X)	Pint. 3 III "
				Teal 8 IIb "
MA	7 Ib	6/15		Teal 5 IIb "
				Gad 8 Ia "
MA	7 IA	6/14	✓ (X)	Teal 8 IIc "
			✓ (X)	Shov 8 IIc "
(X) ✓ PiN	6 IIc	6/14		Gad 8 IIa "
				Teal 8 Ib "
MA	7 IA	6/?		Pinto 6 Ia "
				Mall 2 Ic "
MA	8 IA	6/20		Teal 11 Ia "
				Tx 9 Ib "
MA	8 IA	6/21		PiN 7 IIb 7/18
(*) ✓ MA	7 IIc	6/22		Tx 10 IIA 7/18
	11 IA	6/23	✓ (*)	MA 8 IIc 7/18
MA	9 IA	6/28	✓ (*)	MA 6 II C 7/19
Tx	2 IA	6/24		PiN 5 IIb 7/20
MA	1 IA	6/27	✓ (*)	Gad 9 IIc 7/20
Tx	8 ? A	6/27	✓ (*)	Sh 8 II c 7/20
PiN	7 IA	6/28	✓ (X)	Sh 9 IIc 7/20

UNIT 6 BROOD OBSERVATIONS

Year 1972 Name Schroeder

Species	No. & Class	Date	Location	Comments
MA	5 I A	6/28	✓ *	+ X 8 II C 7/20
Gad	8 I A	6/29	✓ *	+ X 6 II C 7/20
MA	5 I A	6/29	✓ *	+ X 10 II C 7/20
Bwt	8 I A	6/29	✓ *	PiN 7 III 7/20
PiN	9 I A	6/29	✓ *	Gad 3 II C 7/20
MA	10 I A	6/29	✓ *	PiN 6 III 7/20
* ✓ PiN	7 II C	6/29		
Sh	7 I A	6/29		
PiN	5 I A	6/29		
Sh	9 I C	6/29		
MA	4 I C	6/30		
PiN	8 I A	6/27		
* ✓ PiN	3 III	6/29		
PiN	7 I b	6/29		
* ✓ MA	6 III	7/3		

UNIT 6 BROOD OBSERVATIONS

Year 1972 Name Schroeder

Species	No. & Class	Date	Location	Comments
PiN	8 II b	7/3	GAd	4 II A 7/8
MA	7 I A	7/4	GAd	5 I A 7/8
MA	6 I A	7/4	Bu Tx	9 I A 7/10
MA	7 I A	7/4	GAd	6 I A 7/10
Sh	5 I b	7/4	Px Tx	9 I A 7/10
Sh	11 II b	7/4	GAd	9 I b 7/10
MA	4 I C	7/4	* PiN	2 II C 7/10
* MA	8 II C	7/7	MA	4 I b 7/10
GAd	13 II A	7/7	MA	5 II A 7/10
GAd	9 I b	7/7	MA	8 I b 7/10
MA	11 II b	7/7	Sh	8 II A 7/10
TX	6 I A	7/7	Bu	6 I A 7/10
TX	9 I A	7/7	* MA	2 II C 7/10
GAd	2 II A	7/7	GAd	9 I b 7/10
* MA	7 II	7/7	* PiN	6 III 7/10

UNIT 6 BROOD OBSERVATIONS

Year [redacted]2 Name LDS

Species	No. & Class	Date	Location	Comments
✓ (*) PiN	8 II C	7/7	GAd	10 I A 7/10
MA	7 I A	7/7	MA	10 II A 7/11
✓ (*) PiN	6 II C	7/7	MA	5 II A 7/11
✓ (*) PiN	4 II C	7/7	✓ (*) MA	3 II C 7/11
GAd	9 II A	7/7	Gad	11 I A 7/12
MA	9 I A	7/7	✓ (*) Sh	5 II C 7/12
✓ (*) PiN	7 III	7/7	Gad	9 I A 7/12
BWYX	7 I A	7/7	✓ (*) Sh	7 III 7/12
MA	3 II b	7/7	✓ (*) MA	8 II C 7/14
PiN	9 I A	7/7	Sh	5 II A "
GAd	8 I b	7/8	BWACT	7 II b 7/14
GAd [redacted]	7 I A	7/8	Sh	4 I C "
(*) ✓ MA	7 III	7/8	Teal	7 I a "
			Gad	8 I a "
(*) ✓ MA	8 II C	7/8	Gad	9 I c "
			Teal	7 II b "
(*) ✓ PiN	8 II C	7/8	Teal	10 II b "
			Gad	6 I a "
			Shov.	7 II b "
			Gad	9 II a "