

1989 MN DNR BALD EAGLE OCCUPANCY AND PRODUCTIVITY DATA BY COUNTY (L. D. Frenzel)

ABBREVIATIONS: O-I = Occupied-Incubation; O-NB = Occupied-Nesting Behavior; O-A = Occupied-Adult(s) Present; PROD. = Productivity with numeral as number of young produced; Neg. = No occupancy or productivity observed at nest; DNF = Did not find nest site; DNV = Did not visit site; CO. = County abbreviation; WP = White pine; RP = Red pine; Asp = Aspen; n, e, s, & w = Compass directions; NG = Nest no good; R = Nest a remnant; G = Nest gone; T = Nest tree gone or broken off; Obs. = Observation; AI= Aitkin; BEC= Becker; BE= Beltrami; CL= Carlton; CW= Clearwater; HU= Hubbard; IT= Itasca; LOW= Lake of the Woods; MH= Mahanomen; MO= Morrison; OT= Ottortail; PO= Polk; RO= Roseau; STL= St. Louis; and WA= Wadena; \ = Continuation of County; GHO=Gr.Horn.Owl; - = Not reported; ()'s=adjusted data per prod. fl.

CO.	NEST	NEST SITE INFORMATION		OTHER	APR. OCC. FLIGHT	PROD. FLIGHT 6/28-29
		TREE	LAKE OR AREA			
AI	07	?	Moose River e. of Haypoint	DNV	DNF	G ?
\	11	WP	n. of Round Lake	()= DNV Apr. Assume Inc.	(O-I)	2
\	12	WP	Jenkins L. s. of road	As above.	(O-I)	2
BE C	01	WP	n. Little Basswood L.	Did not see this nest in '88 Could be the listed RP	Neg.	Neg.
\	01a	As	s. Little Basswood L.		DNF	DNF
\	02a	WP	Flat L	Tam.NWR; Foster/Deede Obs.	O-I	2
\	03	WP	s.w. Little Egg L.	Tam.NWR; As above		
\	04b	RP	Off n.w.tip of Cedar L.	SWNE Sect. 35 As above	O-I	1
\	05a	Asp	Wauboose L.(w. nest site)	Tam. NWR; As above	A @nest	Neg.
\	05b	WP	Wauboose L.(e. nest site)	Tam. NWR; As above	G	G
\	07	WP	Pine Lk.	Tam. NWR; As above	O-I	0
\	08	WP	Booth L.	Tam. NWR; As above	O-I	1
\	09	WP	Mallard Lk.142/39S36NW	Tam. NWR; As Above	Neg.	Neg.
\	10	WP	Blackbird/Johnson Lks.	Tam. NWR; As above	O-I	2
\	10a	WP	e. shore Blackbird Lk.	Tam. NWR; As above	O-I	2
\	11	WP	Tea Cracker L	Tam. NWR; As above	O-2 A's	0
\	13	WP	Little Flat L. 141/39S29SW	Tam. NWR; As above	O-I	1
\	14	WP	Tamarac L.	Tam. NWR; As Above	Neg.	Neg.
\	15	WP	Big Rat L. (not on NWR)	Tam. NWR; As above	O-I	0
\	16	Pole	e. of Peeves L.	Tam. NWR; As Above (Not reported)	(G/Osp?)	-
\	18	?	Egg Lake Landing	Tam. NWR; As aboveq	O-I	2
\	19	WP	Tulaby L.	Not on NWR 142N/39W4NW	O-I	-

CO.	NEST	NEST SITE INFORMATION		OTHER	APR. OCC. FLIGHT	PROD. FLIGHT 6/28-29
		TREE	LAKE OR AREA			
\	20	Aso	Teacracker Bridge	Tam. NWR; 141/39S27SW	O-I	2
\	20a	Asp	Tea Cracker L.(not prev. listed; no loc'n data)	Tam. NWR; As Above	O-2A's	0
\	21	Asp	Chippewa Culverts	Tam. NWR; As above	O-I	2
\	22	WP	Isl. on Lk.Five (not on NWR)	T139N/R40W,S40 SWNW	O-I	2
\	23 22a	WP	Little FlatLk139/40,S4 NWSW	Tam. NWR; Foster/Deede	O-I	1
\	24a	?	Carmen Lk.141/39,S16 NE	Tam. NWR; As above	Neg.	Neg.
\	25 3b	?	SW Little Egg Lk ?	Tam. NWR; As above	O-I	0
\	26 6a	?	NE Little Egg Lk ?	Tam. NWR; As above	Neg.	Neg.
\	27 2b	WP	Two-Island Lk 141/39 S16NE	Tam. NWR; As above New'89 on Isl.47.091 / 95.379. 2A's@nest 06/26	O-I	0
\	28 25	WP	Height Of Land Lk. 140/39, S27SW. 46.546 / 95.348.	Tam. NWR;Foster/Deede Obs. New nest '89.	O-I	0
BE	01	Elm	Blackduck Riv.	Recheck as DNF in '88	DNF	DNF
\	02	WP	n. Kasagiagan L.	Recheck of area	DNF	DNF
\	02a	WP	Kasagiagan & Big Lks.	Recheck on Prod. Flight	DNF	DNF
\	02c	Asp	As above	As above	DNF	DNF
\	02d	WP	As above		O-A's	1
\	04a	WP	Granning L.Found on Pr.Fl.	On river (wetland creek)	(O)	2
\	05	Asp	Ahlin Lk.	Found on ext. prod.fl. search	(NEG)	Neg.
\	11	WP	On creek NE of airport		Neg	Neg.
\	11a	WP	Near Waskish airport		O-I	Neg.
\	14	Asp	n. Ponemah Pt. shore	Near old school bus	O-I	Neg.
\	15	WP	e. side Bass Lk. in "snag	WP with part dead top	O-I	Neg.
\	15a	Asp	n. Bass Lk.	Ext.search of Point areas neg.	O-I	Neg.
\	16	WP	Fire area	Trees damaged	N	N
\	16a	WP	Fire area - on n. side		O-A's	Neg.
\	18 ?a	WP	s.w. tip Clearwater Lk.	Another's responsibility?	(O-I)	1
\	20a	WP	n. of Manomin Lk.	BE 20 apparently G	O-I	1

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		TREE	LAKE OR AREA			
\	21	Asp	Ponemah Pt. west	Nest N. G.	Neg.	DNF
\	23	WP	s.e. Hanson Lk. w. of Pinewood	Another's responsibility?	(O-I)	2
\	29	WP	n.w. Lower Red Lk. Shore	New in '88.Ad.@ nest on pr.fl.	O-A	Neg. A
\	30	Asp	s.w. Upper Red Lk. Shore	Found '89	O-A's	DNF
CL	?	WP	Moose Riv. w. of HiWay 61	Between Mahtowa & Barnum	R/Neg.	R/Neg.
\	1b	?	Jay Cooke State Park	Could Not Fly in Canyon	(Added)	DNV
\	2a	WP	n. of Rice Portage Lk.	44N19W Sect. ?	(Neg.)	Neg.
\	2b 2	?	Perch L. area	In Rice Portage L. area	(DNF)	G
CW	2b	WP	Upper Rice Lk.	Just s.w. of L. Was R '88.	G	G
\	2c	WP	Upper Rice Lk. Loc'n as above.	On edge of sm. wetland.	GHO+	Neg.
\	3c	WP	Lower Rice Lk. Mid-e. shore.	Half mi. inland.	O-I	2
\	4b	Hdw.	Pike Lk.	Prod. in '88.Other's respons.?	(DNF)	G
\	5a	Asp	1.5 mi.s. of Red Lake Riv.	Apprx. 2 mi. in from w. shore	O-I	1
\	06	WP	s. mid-shore Gurneau Lk.		O-I	2
\	7b	WP	Elk Lk. on Hall Creek.	Prod.'88 Rebuilt after Occ. Flight !!	(O-I)	1
\	09	WP	Anderson Lk.		Neg.	2
\	11	WP	Spike Lk. s.e. 3rd. of lk.	Betw.rd.&Lk. Another's respon?DNV	(O-I)	2
HU	02	WP	Hart Lk., off s.e. end.	Another's responsibility	(Neg.)	Neg.
\	03	WP	Benedict Lk. NC in '88	0.5 mi. s. of e. end in wetland	(Neg.)	Neg.
\	05	WP	Mantrap Lk. on "island"		O-I	1
\	06	WP	s.w. mid-Crooked Lk.	06a WP, 06b RP also DNF	DNF	DNF
\	08	WP	Thatcher Lks.	Between 2 n.e.portions	(NEG.)	Neg.
\	10	WP	Upper Twin Lk.		(O-I)	1
\	12a	Pine	Bladder Lk.		(DNF)	DNF
\	13a	WP	Fish Hook Lk.	Mid- n. portion at creek	O-I	2
\	14	WP	Lake Hattie, 0.5 mi. s. of lk.	w. of creek	O-I	1
\	6	WP	Kabekona Lk.	Off very n. corner of lk.	DNF	DNF

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		TREE	LAKE OR AREA			
IT	01	WP	Moose Lk. w. most nest		Neg.	Neg.
\	01a	RP	Moose Lk. e. most nest		O-I	2
\	03	WP	Coon Lk. n. most nest	Ad. in area on prod. flight.	Neg.	Neg.
\	03a	WP	Coon Lk. nest s. of above	On small point	O-I	Neg.
\	04	WP	Deer Lk. Sect. 22		Neg.	Neg.
\	04a	WP	Deer Lk. Sect. 26		O-I	Neg.
\	05	WP	Trout Lk. 55N-24W-21SE (Please note new T.Lk		NG	NG
\	05a	WP	Trout Lk. 55N-24W-21SENE	locations)	O-I	1
\	05b	WP	Trout Lk. N55-24W-16SE on prominent point		G	G
\	05c	WP	Mud Lk. (Hines 5a)		DNF	DNF
\	05d		----- see IT 27, 27a -----		-----	
\	08a	WP	Otter Lk. s.w. end of lake	Other 08 nests G	O-I	1
\	09b	WP	Sugar Lk (Sissebakwet Lk.)	w. side of lk. Other 09 nests G	O-I	1
\	10b	WP	Bass Lk. 56N-27W-12SSENE		Neg.	DNF
\	11b	WP	Lost Lk. s. of Jay Gould Lk.		Neg.	Neg.
\	13a	RP	Sturgeon-Barrett Isl.	* 2 yg. removed, 1 left	O-I	3
\	14	Asp	Swan Lk. s.w. end across hiway		DNF	DNF
\	14a	WP	Swan Lk. As above	As above	DNF	DNF
\	15	WP	Muskeg Lk. e. of elbow of n. fork of Willow River		O-I	2
\	16	WP	Little Buck Lk.		O-I	2
\	17	WP	MacDougal Bay of Prairie Lk.		Neg.	Neg.
\	17a	WP	n. w. Prairie Lk. Between shore & hiway.	Ad. @ nest 06/89	Neg.	Neg.
\	18	Asp	Little White Oak Lk.		O-I	DNF
\	19	WP	Hale Lk.	Assume G	DNF	DNF
\	20	Hdw	Pohl Creek	e. of mid Bass Lk.	O-I	Neg.
\	21	WP	Little Moose Lk.		O-I	DNF
\	22	Asp	O'Brien Lk	* 1yg. removed, 1 left	O-I	2
\	23	WP	Thistledew Lk	* 1yg. removed, 1 left	O-I	2
\	24 ²⁰	Elm	Splithand Lk. n.e. shore, s. of ck. Morrison Creek Ck = N		(Added)	DNF
\	25	WP	Lower Hanson Lk.	Added	(O-I)	2
\	26	WP	Rahkos Lk.	Added	(O-I)	1

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		TREE	LAKE OR AREA			
LOW	01a	Elm	Stony Point	Large center elm nest rebuilt	O-I	Neg.
\	01b	Elm	Stony Point southwest	01d prod. 1 yg.in'87 & 1 in '88, not LOW-01d.	Neg.	Neg.
\	01c	Elm	Stony Point	Between 01a & 01b	Neg.	Neg.
\	01e	Elm	Stony Point	New nest in '88	G	G
\	03	WP	Brush Island		O-I	2
\	04	Hdw	Garden Island	One of 2 nests on s.e. shore	Neg.	Neg.
\	04a	Elm	Garden Island	One of 2 nearby nests on s.e.shore	Neg.	Neg.
\	04e ^{4c?}	Hdw	Garden Island	On n. shore, mid-island. There '88	G	G
\	04f ^{4b}	Elm	Garden Island	New on s.shore w. of	O-I	Neg.
\	07a	Hdw	Shady Island	1 of 2 Isl.'s n. of Hay Isl.	O-A	Neg.
\	08	WP	Winter Road River	n.w. of Baudette Airport	O-I	2
\	09	WP	Pine-Curry Island	s. LOW just n. of river basin	O-I	Neg.
\	11	Hdw	Bridges Island	Near boathouse on e. side	Neg.	Neg.
\	12	?	Little Oak Island	s. w. end, w. side	GHO	Neg.
\	13 ^{2a}	Asp	On w. mainland n. w. of Sugar Point.	Ads. in area on prod. fl. Cks. of w. shore and Zipple Ck=	O-I (N)	DNF
MH	02	Asp	Little Rice Lk.	144N-39W-19NE	-	-
\	03	WP	Gull Creek WP snag	143N-40W-34SWNE	-	-
\	04	WP	LaDuc Lake	146N-40W-8NE	-	-
OT	01a	Asp	Lake Five	137N-40W-5SE	O-I	3
\	01	WP	Lake Five	As above	Neg.	Neg.
\	02	WP	Big Pine Lk.	136N-38W-23SE	DNF	DNF
PO	01	Asp	West of Erskin		DNV	DNV
\	02	WP	NE of Fosston, Pine Lk.	Across lk. from small barn	O-I	2

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		TREE	LAKE OR AREA			
RO	02	Hdw	Willow Creek	163N-35W-35NE	N	DNV
\	02a	Hdw	Willow Creek	163N-35W-25SE	N	DNV
TL	01			Ck of vacant breeding area on river	(N)	N
\	02a 4	WP	Boulder Lake Res.	n.w. of Duluth in n.e. part of lake	O-I	2
\	03	Asp	Fish Lake Res.	n.w. of Duluth. Assume G	DNF	DNF
\	03a 10	Asp	As above	As above. Assume G	DNF	DNF
\	04 2?	Asp	Boulder Lake Res. Island	Ck of area. Assume G	DNF	DNF
\	05	WP	Cloquet Riv. e., then n. on riv. nest on w. side. Logging nearby.		O-I	2
\	06	WP	Island in lk. just s. of Virginia.		O-I	3
\	-	-	Ck of wetland in RR Peary area and tailings pond =		(Added)	N
\	-	-	Ck of powerline pole e. of Ely lake & s.e. Esquagama Lk. =		(Added)	(Osp.+)
\	07	WP	Ck of Bear Head State Park. Neg nest in middle of picnic area.		(Added)	Neg

Summary:

Occ = 70	Yg = 75
Neg. = 31(2Osp; 2GHO)	Occ/Neg., 0 = 22
DNF, N, G = 30	Occ/DNF = 2
<u>DNV or Not Reported = 6</u>	
131 Sites	(1.07/Occ. Nest)