

Waterfowl Survey Protocol Aerial Counts 2002 -

Goal: Survey water areas to determine waterfowl usage.

Procedure:

1. Survey conducted at approximately 500 feet.
2. All data should be recorded into tape recorder. Include date, time started (each area), time ended, and water conditions.
3. Surveys should be conducted twice per month, beginning in November and going through the first week of March. Try to schedule flights for the first and third week each month.
4. First pass with plane should be slightly higher. Goal is to count the number of birds without flushing them. Second pass is to identify species present and determine approximate percentage of each species.
5. All ducks, geese, coots, and cormorants should be tallied.
6. Follow same flight path each time.
7. Any unusual activity or wildlife on the property should also be recorded.

Table 5: Number of waterfowl on North Mississippi Refuges Complex properties during aerial waterfowl surveys in FY 2003.

Date	Site	Water Condition	Total Waterfowl	Mallard	Wood Duck	Northern Shoveler	Northern Pintail	Teal	Gadwall	American Wigeon	Other (Diving Ducks)	American Coot	Double-crested Cormorant	Canada Goose	White-fronted goose	Snow Goose
10/23/02	Harris	GOOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Walker	FAIR	1720	75	0	0	0	600	825	0	0	200	0	20	0	0
	TAL	FAIR	9	6	3	0	0	0	0	0	0	0	0	0	0	0
	CWR	GOOD	65	50	1	0	0	0	11	0	0	0	3	0	0	0
	Wilkins	FAIR	664	344	0	0	25	200	5	0	0	90	0	0	0	0
	DAH	POOR	6	6	0	0	0	0	0	0	0	0	0	0	0	0
	Robertson	FAIR	2	2	0	0	0	0	0	0	0	0	0	0	0	0
Totals			2466	463	4	0	25	800	841	0	0	290	3	20	0	0
11/8/02	Harris	GOOD	150	150	0	0	0	0	0	0	0	0	0	0	0	0
	Walker	FAIR	410	50	0	0	0	160	120	0	0	80	0	0	0	0
	TAL	FAIR	129	114	0	0	0	0	8	0	0	0	0	7	0	0
	CWR	GOOD	3759	2097	0	0	967	0	515	0	0	180	0	0	0	0
	Wilkins	FAIR	538	141	0	0	101	0	50	6	0	240	0	0	0	0
	DAH	FAIR	63	21	8	0	0	0	34	0	0	0	0	0	0	0
	Robertson	FAIR	150	98	0	0	0	0	52	0	0	0	0	0	0	0
Totals			5199	2671	8	0	1068	160	779	6	0	500	0	7	0	0
11/21/02	Harris	GOOD	1300	125	0	0	1035	60	80	0	0	0	0	0	0	0
	Walker	FAIR	4870	2570	0	0	1400	0	900	0	0	0	0	0	0	0
	TAL	GOOD	81	69	5	0	0	0	0	0	0	0	0	7	0	0
	CWR	EXCELLENT	5526	2457	0	400	1583	0	859	0	0	152	0	0	75	0
	Wilkins	GOOD	3745	435	0	0	10	0	235	45	0	20	0	0	0	3000
	DAH	FAIR	35	20	0	0	0	0	15	0	0	0	0	0	0	0
	Robertson	GOOD	984	463	0	0	90	50	365	0	0	0	0	16	0	0
Totals			16541	6139	5	400	4118	110	2454	45	0	172	0	23	75	3000
12/6/02	Harris	GOOD	1737	1206	0	4	420	0	50	55	2	0	0	0	0	0
	Walker	FAIR	5999	5770	0	0	23	161	25	20	0	0	0	0	0	0
	TAL	GOOD	761	722	0	0	15	0	24	0	0	0	0	0	0	0
	CWR	GOOD	13215	7020	0	658	1937	1973	1280	90	0	257	0	0	0	0
	Wilkins	GOOD	4850	1040	0	0	112	91	504	56	0	35	0	12	0	3000
	DAH	FAIR	100	100	0	0	0	0	0	0	0	0	0	0	0	0
	Robertson	GOOD	618	360	0	0	30	150	72	0	0	6	0	0	0	0
Totals			27278	16218	0	662	2537	2375	1955	221	0	298	0	12	0	3000
1/7/03	Harris	GOOD	850	134	0	13	7	662	34	0	0	0	0	0	0	0
	Walker	GOOD	597	54	0	0	2	427	84	0	0	30	0	0	0	0
	TAL	EXCELLENT	234	57	0	7	2	100	66	2	0	0	0	0	0	0
	CWR	EXCELLENT	15592	3982	0	393	3561	765	2892	129	3870	0	0	0	0	0
	Wilkins	EXCELLENT	4564	540	0	0	38	300	170	13	0	0	0	0	0	3504
	DAH	GOOD	224	182	0	0	32	8	0	0	2	0	0	0	0	0
	Robertson	EXCELLENT	1232	351	0	0	59	468	234	0	0	59	0	62	0	0
Totals			23293	5300	0	413	3700	2730	3480	144	3872	89	0	62	0	3504
1/24/03	Harris	95% ICE	4000	2080	0	0	200	1600	120	0	0	0	0	0	0	0
	Walker	95% ICE	7100	2900	0	0	300	2600	1200	0	0	100	0	0	0	0
	TAL	40% ICE	1186	853	11	0	200	0	116	0	0	0	0	6	0	0
	CWR	75% ICE	33368	16536	0	580	7574	0	2854	105	4491	378	0	0	850	0
	Wilkins	95% ICE	1202	630	0	0	0	140	220	0	0	110	0	0	100	2
	DAH	95% ICE	150	90	0	0	0	0	60	0	0	0	0	0	0	0
	Robertson	50% ICE	4021	2200	0	0	200	1200	421	0	0	0	0	0	0	0
Totals			51027	25289	11	580	8474	5540	4991	105	4491	588	0	6	950	2
2/7/03	Harris	EXCELLENT	110	6	0	74	0	0	0	0	27	3	0	0	0	0
	Walker	GOOD	445	10	0	72	20	100	43	0	0	200	0	0	0	0
	TAL	EXCELLENT	488	364	40	4	15	0	44	0	21	0	0	0	0	0
	CWR	GOOD	4726	658	0	831	773	0	962	0	219	1283	0	0	0	0
	Wilkins	EXCELLENT	385	215	0	27	0	78	39	0	0	26	0	0	0	0
	DAH	EXCELLENT	514	329	0	25	0	125	25	10	0	0	0	0	0	0
	Robertson	GOOD	146	47	4	0	6	0	86	0	0	3	0	0	0	0
Totals			6814	1629	44	1033	814	303	1199	10	267	1515	0	0	0	0
2/24/03	Harris	EXCELLENT	342	45	0	179	3	52	46	0	4	14	0	0	0	0
	Walker	EXCELLENT	292	22	0	4	7	2	5	0	2	250	0	0	0	0
	TAL	EXCELLENT	887	152	14	86	6	31	323	93	155	25	0	2	0	0
	CWR	EXCELLENT	2451	112	0	203	23	0	141	20	648	1300	4	0	0	0
	Wilkins	EXCELLENT	447	145	0	25	13	70	43	13	38	100	0	0	0	0
	DAH	EXCELLENT	864	85	14	425	0	0	43	43	255	0	0	0	0	0
	Robertson	EXCELLENT	96	4	0	22	0	0	48	0	2	20	0	0	0	0
Totals			5380	564	28	944	52	155	649	169	1104	1709	4	2	0	0
3/12/03	Harris	EXCELLENT	147	12	0	115	0	0	0	0	0	0	20	0	0	0
	Walker	EXCELLENT	0	100	0	66	0	94	51	0	0	406	55	0	0	0
	TAL	EXCELLENT	8	10	78	0	2	12	0	60	30	4	0	0	0	0
	CWR	EXCELLENT	65	2	798	0	0	186	0	304	1257	9	0	0	0	0
	Wilkins	EXCELLENT	57	4	345	0	120	200	0	18	200	0	0	0	0	0
	DAH	EXCELLENT	71	23	100	0	420	205	0	60	0	0	0	0	0	0
	Robertson	GOOD	0	0	50	0	0	42	0	0	0	0	0	0	0	0
Totals			313	39	1552	0	636	696	0	442	1893	88	0	0	0	0