

Appendix 1. Seasonal abundance of sea ducks estimated during aerial surveys (Lower Great Lakes Migrant Waterfowl Survey [LGLMWS], Mid-Winter Survey [MWS]; raw data with visual correction factors applied) or counted during ground-based surveys (Christmas Bird Count [CBC]; no visual correction factors applied) undertaken within the **Eastern Lake Erie Key Site**, 1997–2018.

Survey	Season	Year	Total	LTDU	BUFF	COGO	HOME	COME	RBME	BLSC	SUSC	WWSC
LGLMWS	Spring	2001	34,756	10	9,017	8,363	0	17,355	0	0	0	10
		2010	17,230	106	10,223	2,725	0	1,670	2,506	0	0	0
		Max:	34,756	106	10,223	8,363	0	17,355	2,506	0	0	10
		Avg:	20,623	50	6,591	4,288	0	9,040	835	0	0	3
		%:		0.00	0.37	0.21	0.00	0.37	0.05	0.00	0.00	0.00
LGLMWS	Fall	2000	8,980	0	4,186	48	0	4,746	0	0	0	0
		2010	109,670	33,742	39,801	17,131	0	474	18,441	0	0	80
		Max:	109,670	33,742	39,801	17,131	0	4,746	18,441	0	0	80
		Ave:	59,325	16,871	21,994	8,590	0	2,610	9,221	0	0	40
		%:		0.28	0.37	0.14	0.00	0.04	0.16	0.00	0.00	0.00
MWS	Winter	2002	4,608	123	2,452	1,424	0	566	42	0	0	2
		2003	5,616	68	1,959	1,467	0	270	1,620	57	0	174
		2004	11,191	1,710	3,994	2,526	0	2,627	325	9	0	0
		2005	11,818	140	6,800	3,770	0	608	378	122	0	0
		2006	14,025	0	8,469	5,112	0	25	419	0	0	0
		2007	3,398	0	769	1,542	0	217	869	0	0	0
		2008	2,523	0	880	1,067	0	356	220	0	0	0
		2009	5,222	171	1,809	2,662	0	320	38	0	0	221
		2010	15,014	0	4,968	4,682	0	4,619	706	0	0	38
		2011	7,724	691	1,040	5,248	0	238	508	0	0	0
		2012	13,172	236	9,346	3,048	0	181	320	0	0	40
		2013	22,922	1,026	11,104	9,650	0	173	883	0	0	87
		2014	10,545	2,168	828	2,845	0	120	4,512	0	0	71
		2015	1,837	86	391	1,069	0	15	277	0	0	0
		2016	17,129	68	8,160	8,390	0	168	343	0	0	0
2017	19,018	24	7,169	3,502	0	1,427	6,749	101	0	47		
2018	8,342	1,077	4,143	1,165	0	1,030	769	0	0	158		
	Max:	22,922	2,168	11,104	9,650	0	4,619	6,749	122	0	221	
	Ave:	10,241	446	4,370	3,481	0	762	1,116	17	0	49	
	%:		0.04	0.43	0.34	0.00	0.07	0.11	0.00	0.00	0.00	
CBC	Winter	1997	1,973	3	294	906	6	660	104	0	0	0
		1998	10,521	2	473	1,938	50	7,929	124	0	0	5
		1999	8,915	4	2,183	2,024	98	4,158	448	0	0	0
		2000	8,982	1	606	1,805	42	6,276	251	0	0	1
		2001	2,436	0	591	1,601	30	136	77	0	0	1
		2002	4,982	49	711	2,504	47	1,534	133	1	1	2
		2003	2,620	2	731	1,299	37	474	77	0	0	0
		2004	1,147	10	348	406	59	112	212	0	0	0
		2005	2,300	4	572	1,079	40	452	152	0	0	1
2006	4,720	1	1,429	2,024	63	899	302	1	0	1		
2007	628	1	248	58	6	175	134	0	0	6		

		2008	1,461	0	186	617	47	533	78	0	0	0
		2009	10,659	5	3,721	3,801	153	2,370	609	0	0	0
		2010	9,530	3	3,687	4,659	92	431	655	0	0	3
		2011	10,245	1	3,770	4,599	133	132	1,605	2	0	3
		2012	16,504	1	8,258	7,297	198	176	545	1	1	27
		2013	6,983	1	2,098	1,575	229	1,498	1,576	0	0	6
		2014	11,121	2	5,643	3,453	233	409	1,375	0	1	5
		2015	535	0	314	122	12	5	82	0	0	0
		Max:	16,504	49	8,258	7,297	233	7,929	1,605	2	1	27
		Ave:	6,119	5	1,888	2,198	83	1,493	449	0	0	3
		%:		0.00	0.31	0.36	0.01	0.24	0.07	0.00	0.00	0.00