

Appendix 1. Seasonal abundances 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 **Western Lake Erie** Key Site between 1997 and 2018.

Survey	Season	Year	Total	LTDU	BUFF	COGO	HOME	COME	RBME	BLSC	SUSC	WWSC	
LGLMWS	Spring	2002	44,336	0	4,065	3,686	75	30,717	5,793	0	0	0	
		2011	22,527	1,060	245	5,466	0	943	14,815	0	0	0	
		Max:	44,336	1,060	4,065	5,466	75	30,717	14,815	0	0	0	
		Avg:	33,432	530	2,155	4,576	38	15,830	10,304	0	0	0	
		%:		0.02	0.06	0.14	0.00	0.47	0.31	0.00	0.00	0.00	
LGLMWS	Fall	2001	14,520	14	1,764	971	0	11,694	74	0	0	3	
		2011	34,000	287	2,041	17,754	0	75	13,834	9	0	0	
		Max:	34,000	287	2,041	17,754	0	11,694	13,834	9	0	3	
		Avg:	24,260	150	1,902	9,362	0	5,885	6,954	4	0	2	
		%:		0.01	0.08	0.39	0.00	0.24	0.29	0.00	0.00	0.00	
MWS	Winter	2002	2,467	0	1,060	733	0	674	0	0	0	0	
		2003	3,430	0	241	530	0	486	2,174	0	0	0	
		2004	852	0	65	75	0	712	0	0	0	0	
		2005	1,485	0	0	0	0	1,485	0	0	0	0	
		2006	11,558	0	0	171	0	9,197	2,190	0	0	0	
		2007	7,106	0	319	21	0	5,440	1,325	0	0	0	
		2008	1,789	0	111	531	0	1,099	48	0	0	0	
		2009	1,229	0	0	29	0	239	961	0	0	0	
		2010	6,789	380	623	2,411	0	844	2,532	0	0	0	
		2011	1,987	0	0	898	0	51	1,038	0	0	0	
		2012	7,705	0	0	1,778	0	310	5,617	0	0	0	
		2013	11,970	0	65	11,323	0	67	515	0	0	0	
		2014	10,551	434	531	3,178	0	847	5,561	0	0	0	
		2015	574	79	0	370	0	123	3	0	0	0	
		2016	33,787	0	7,146	35	0	167	26,432	3	0	3	
		2017	46,370	0	10	3,690	0	7,349	21,833	9,523	0	3,966	
		2018	2,945	0	16	1,040	0	1,606	253	0	0	30	
			Max:	46,370	434	7,146	11,323	0	9,197	26,432	9,523	0	3,966
			Avg:	8,976	53	599	1,577	0	1,806	4,146	560	0	235
			%:		0.01	0.07	0.18	0.00	0.20	0.46	0.06	0.00	0.03

Appendix 1 – Western Lake Erie (cont.)

Survey	Season	Year	Total	LTDU	BUFF	COGO	HOME	COME	RBME	BLSC	SUSC	WWSC
CBC	Winter	1997	8,686	24	341	307	74	3,638	4,056	11	140	95
		1998	8,413	15	917	304	359	2,557	4,083	17	143	19
		1999	5,088	4	165	278	52	3,023	1,478	7	69	12
		2000	4,498	0	297	712	7	1,297	2,171	0	12	2
		2001	5,878	6	923	368	245	418	3,734	25	124	35
		2002	1,996	7	259	202	3	870	572	5	67	11
		2003	2,864	26	235	897	147	673	711	119	51	5
		2004	7,890	0	86	1,633	41	3,442	2,668	10	1	9
		2005	9,703	4	128	3,193	13	5,541	724	40	60	0
		2006	18,919	3	92	243	46	1,020	17,477	2	26	10
		2007	3,524	4	168	524	31	1,805	937	8	29	18
		2008	10,653	12	98	3,716	18	5,174	1,619	7	4	5
		2009	10,199	1	65	246	3	430	9,410	1	21	22
		2010	3,350	18	110	1,257	5	1,766	134	1	2	57
		2011	50,612	9	187	952	279	1,666	47,439	16	28	36
		2012	7,611	48	1,565	755	281	317	4,048	69	60	468
		2013	2,799	1	70	1,094	7	628	991	3	0	5
		2014	9,380	9	76	2,528	8	2,606	3,107	32	54	960
		2015	15,793	1	456	9,309	169	545	5,230	2	28	53
				Max:	50,612	48	1,565	9,309	359	5,541	47,439	119
		Avg:	9,887	10	328	1,501	94	1,969	5,820	20	48	96
		%:		0.00	0.03	0.15	0.01	0.20	0.59	0.00	0.00	0.01