

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 Ontario** Key Site between 1997 and 2018.

Survey	Season	Year	Total	LTDU	BUFF	COGO	HOME	COME	RBME	BLSC	SUSC	WWSC	
LGLMWS	Spring	2001	68,764	35,469	16,010	4,322	0	4,148	0	0	6,003	2,812	
		2010	42,938	13,417	18,569	5,187	0	2,316	1,543	2	9	1,897	
		Max:	68,764	35,469	18,569	5,187	0	4,148	1,543	2	6,003	2,812	
		Avg:	55,851	24,443	17,289	4,754	0	3,232	771	1	3,006	2,354	
		%:		0.44	0.31	0.09	0.00	0.06	0.01	0.00	0.05	0.04	
LGLMWS	Fall	2000	68,942	29,279	17,066	3,704	0	18,888	0	0	5	0	
		2010	285,899	216,332	5,881	6,360	0	1,317	850	7	23	31,684	
		Max:	262,453	216,332	17,066	6,360	0	18,888	850	7	23	31,684	
		Avg:	165,697	122,805	11,474	5,032	0	10,102	425	3	14	15,842	
		%:		0.74	0.07	0.03	0.00	0.06	0.00	0.00	0.00	0.10	
MWS	Winter	2002	34,175	23,150	5,392	3,194	32	1,480	586	0	0	341	
		2003	55,047	34,795	8,903	6,667	0	877	397	875	0	2,532	
		2004	135,231	83,386	2,781	5,986	0	20,084	667	425	0	21,903	
		2005	147,422	99,180	14,794	7,901	0	9,255	1,340	1,021	0	13,930	
		2006	113,404	92,747	7,866	5,499	0	1,067	1,668	454	131	3,972	
		2007	218,404	193,230	6,931	3,461	0	1,279	393	0	178	12,933	
		2008	71,466	48,030	3,449	5,605	0	3,086	1,881	204	12	9,199	
		2009	125,157	117,905	1,692	3,402	0	567	358	38	0	1,195	
		2010	170,499	147,741	4,665	9,077	0	4,564	682	5	0	3,765	
		2011	47,545	34,333	714	8,408	0	926	3,010	131	0	24	
		2012	56,060	38,961	245	12,376	0	842	419	0	0	3,217	
		2013	46,722	32,032	2,243	7,202	0	1,072	2,211	99	24	1,839	
		2014	41,563	29,114	864	7,840	0	639	1,386	63	115	1,542	
		2015	59,002	55,319	0	2,651	0	349	588	0	0	96	
		2016	244,790	228,039	4,059	9,102	0	1,741	154	0	0	1,695	
		2017	165,269	133,955	5,177	9,021	0	3,383	3,464	291	0	9,978	
		2018	107,747	81,211	4,359	9,413	0	3,351	925	137	0	8,351	
			Max:	244,790	228,039	14,794	12,376	32	20,084	3,464	1,021	178	21,903
			Avg:	108,206	86,655	4,361	6,871	2	3,210	1,184	220	27	5,677
			%:		0.80	0.04	0.06	0.00	0.03	0.01	0.00	0.00	0.05

Appendix 1 – Western Lake Ontario (cont.)

Survey	Season	Year	Total	LTDU	BUFF	COGO	HOME	COME	RBME	BLSC	SUSC	WWSC
CBC	Winter	1997	42,124	22,058	2,090	12,541	101	3,447	620	30	26	1,211
		1998	22,786	13,050	2,280	4,140	137	1,572	1,019	18	93	477
		1999	36,945	24,408	2,485	5,395	158	3,356	393	10	49	691
		2000	21,862	11,539	1,530	4,973	120	2,449	413	3	80	755
		2001	37,212	27,590	2,232	3,629	246	2,088	548	18	125	736
		2002	55,225	39,915	2,871	4,456	212	4,783	746	8	128	2,106
		2003	34,087	23,641	2,827	3,999	314	1,926	712	3	8	657
		2004	29,303	16,410	2,163	4,751	285	2,894	1,188	5	47	1,560
		2005	43,646	30,072	1,935	3,863	192	4,228	1,922	17	224	1,193
		2006	17,678	9,493	1,476	3,491	271	635	1,809	2	66	434
		2007	23,938	10,925	1,564	3,560	259	3,160	2,166	7	132	2,165
		2008	24,472	9,222	1,459	4,632	196	5,628	2,552	8	22	753
		2009	32,291	16,614	1,578	7,886	318	1,831	2,314	22	181	1,547
		2010	27,301	13,794	1,354	3,651	171	3,850	3,661	1	34	785
		2011	36,262	25,995	1,665	3,011	386	936	3,383	6	146	734
		2012	17,387	6,464	1,231	2,302	435	2,976	2,641	9	67	1,262
		2013	15,550	7,766	1,090	2,098	196	1,402	1,678	5	35	1,280
2014	19,212	10,099	1,202	4,007	317	1,586	1,203	87	55	656		
2015	35,184	17,114	1,408	3,764	490	349	1,913	24	932	9,190		
		Max:	55,225	39,915	2,871	12,541	490	5,628	3,661	87	932	9,190
		Avg:	30,130	17,693	1,813	4,534	253	2,584	1,625	15	129	1,484
		%:		0.59	0.06	0.15	0.01	0.09	0.05	0.00	0.00	0.05