

**Table 2. Summary of population changes and reproductive success
of Common Loons in Vermont, 1979-2021**

Year	'79	'80	'81	'82	'83	'84	'85	'86	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00
TOTAL territorial pairs	<u>28</u>	<u>0</u>	<u>24</u>	<u>24</u>	<u>12</u>	<u>17</u>	<u>16</u>	<u>15</u>	<u>15</u>	<u>16</u>	<u>19</u>	<u>21</u>	<u>19</u>	<u>20</u>	<u>23</u>	<u>23</u>	<u>30</u>	<u>31</u>	<u>37</u>	<u>40</u>	<u>42</u>	<u>48</u>
Known terr. prs.	21	--	18	19	9	12	11	11	12	13	16	17	16	18	17	21	22	24	29	34	39	44
Potential terr. prs.	7	--	6	5	3	5	5	4	3	3	3	4	3	2	6	2	8	7	8	6	3	4
Nesting pairs	18	--	15	19	7	8	10	10	12	12	14	14	15	16	15	14	19	21	26	30	33	38
Successful pairs	12	--	11	12	5	6	8	9	9	7	10	9	10	10	11	13	15	14	21	23	25	36
Nest Success	67%		73%	63%	71%	75%	80%	90%	75%	58%	71%	64%	67%	63%	73%	93%	79%	67%	81%	77%	76%	95%
Chicks hatched	--	--	--	--	10	7	--	16	12	11	19	18	16	15	18	20	21	25	32	37	41	56
Chicks surviving through August	14	--	15	14	9	6	13	13	11	9	17	15	14	13	13	17	19	22	25	30	36	44
Chicks surviving per nesting pair	0.78	--	1.00	0.74	1.29	0.75	1.30	1.30	0.92	0.75	1.21	1.07	0.93	0.81	0.87	1.21	1.00	1.05	0.96	1.00	1.09	1.16
Chicks surviving per total territorial pair	0.50	--	0.63	0.58	0.75	0.35	0.81	0.87	0.73	0.56	0.89	0.71	0.74	0.65	0.57	0.74	0.63	0.71	0.68	0.75	0.86	0.92
% chick survival	--	--	--	--	90%	86%	--	81%	92%	82%	89%	83%	88%	87%	72%	85%	90%	88%	78%	81%	88%	79%
Lakes with nesting pairs	17	--	14	19	7	8	10	10	11	11	13	13	14	15	14	14	18	21	25	29	32	36

Loonwatch results^{a,b} (statewide annual survey)

Number of adults	--	--	--	--	29	30	37	50	45	41	47	79	74	86	71	83	97	79	99	106	127	126
Number of chicks	--	--	--	--	9	16	13	17	9	9	16	15	15	15	14	11	17	21	21	26	36	45
Number of subadults	8	--	11	6	7	1	0	5	15	9	9	33	18	23	11	14	10	9	2	6	6	10
Number of lakes surveyed																						
Number of lakes occupied																					150	107

^a The number of lakes surveyed for Loonwatch increased in 1999. It is possible survey adult loon counts during the mid-1990s were slightly low.

^b Over 10 known lakes with loon activity were missed in 2010.

(continued on next page)

Table 2 continued - Summary of population changes and reproductive success of Common Loons in Vermont

Year	'01	'02	'03	'04	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21
TOTAL territorial pairs	<u>49</u>	<u>59</u>	<u>64</u>	<u>64</u>	<u>72</u>	<u>77</u>	<u>82</u>	<u>86</u>	<u>90</u>	<u>92</u>	<u>98</u>	<u>103</u>	<u>106</u>	<u>110</u>	<u>112</u>	<u>117</u>	<u>118</u>	<u>123</u>	<u>129</u>	<u>135</u>	<u>137</u>
Known terr. prs.	44	49	53	57	60	65	71	75	80	85	88	92	93	100	102	111	113	117	123	123	128
Potential terr. prs.	5	10	11	7	12	12	11	11	10	7	10	11	13	10	10	6	5	6	6	12	9
Nesting pairs	38	40	44	43	53	58	62	61	66	72	72	70	81	84	87	93	97	91	101	96	109
Successful pairs	34	34	38	34	47	44	47	49	53	57	52	50	62	57	65	65	74	66	75	65	77
Nest Success	89%	85%	86%	79%	89%	76%	76%	80%	80%	79%	72%	71%	77%	68%	75%	70%	76%	73%	74%	68%	71%
Chicks hatched	56	52	62	54	68	66	71	75	83	85	76	87	97	93	103	102	117	97	115	102	125
Chicks surviving through August	47	40	45	44	57	56	56	55	74	70	60	66	71	62	69	80	92	73	87	74	84
Chicks surviving per nesting pair	1.24	1.00	1.02	1.02	1.08	0.97	0.90	0.90	1.12	0.97	0.83	0.94	0.88	0.74	0.79	0.86	0.95	0.80	0.86	0.77	0.77
Chicks surviving per total territorial pair	0.96	0.68	0.70	0.69	0.79	0.73	0.68	0.64	0.82	0.76	0.61	0.64	0.67	0.56	0.62	0.68	0.78	0.59	0.67	0.55	0.61
% chick survival	84%	77%	73%	81%	84%	85%	79%	73%	89%	82%	79%	76%	73%	67%	67%	78%	79%	75%	76%	73%	67%
Lakes with nesting pairs	36	38	41	39	49	52	57	54	61	63	63	63	72	72	76	83	84	78	86	81	94

Loonwatch results^{a,b} (statewide annual survey)

Number of adults	135	166	179	184	191	201	218	223	228	201 ^b	271	280	297	301	298	301	308	356	339	358	350
Number of chicks	45	39	44	40	45	53	54	42	65	53	52	63	69	66	63	74	85	65	89	66	85
Number of subadults	2	5	0	3	5	2	9	8	6	0	7	9	3	6	9	2	0	3	4	1	1
Number of lakes surveyed	131	133	123	98	122	133	148	148	129	129	162	150	162	161	162	153	161	174	175	171	
Number of lakes occupied				68	69	84	86	84	89	76	102	98	106	103	116	112	111	132	121	125	

^a The number of lakes surveyed for Loonwatch increased in 1999. It is possible survey adult loon counts during the mid-1990s were slightly low.

^b Over 10 known lakes with loon activity were missed in 2010.