



# Saint Lawrence Island Bird and Egg Harvests Compilation of Available Data

February 2015

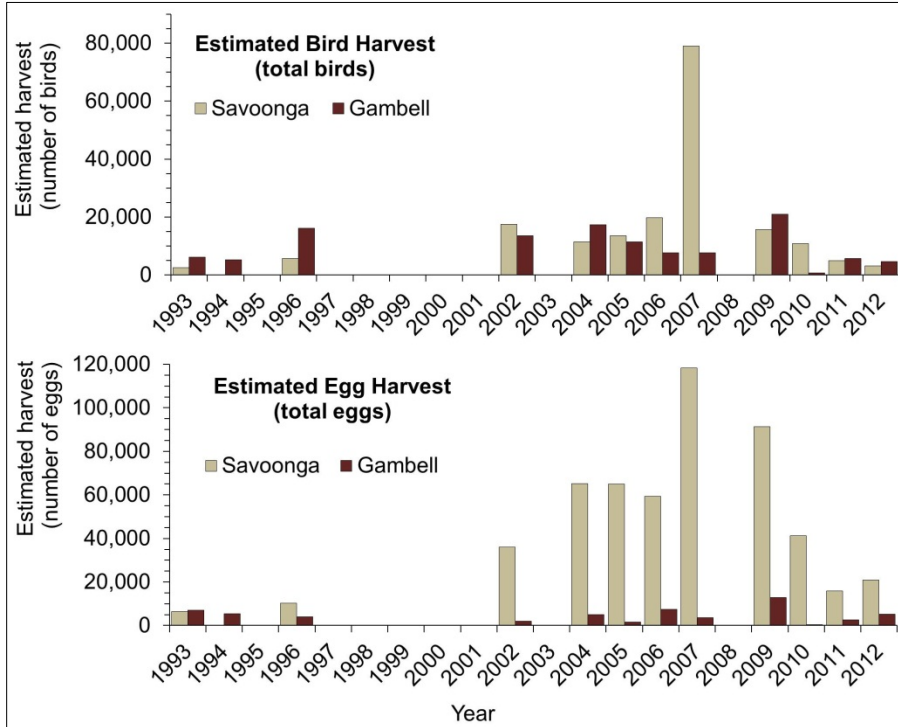


Photo Donna Dewhurst, USFWS

Harvest of murre and their eggs account for a large proportion of bird and egg harvests on St. Lawrence Island.



Photo Lili Naves, ADF&G Subsistence

Harvest surveys are important to document subsistence harvests and help maintain sustainable bird populations.

**Harvest data sources:** [1993, 1994] Wentworth and Seim (1995); [1996] Georgette and Iknokinok (1997); [2002] Kawerak (2004); [2004, 2005, 2007, 2009, 2010] Naves (2014); [2006] Ahmasuk and Trigg (2008); [2011, 2012] Naves and Zeller (2013).

**Note:** In community data review, 2007 bird and egg harvest estimates for Savoonga were considered excessively high and not representing usual harvest levels for this community. 2010 Harvest estimates for Gambell were considered excessively low.

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**Table 1. Gambell bird harvest estimates 1993–2012.**

Species	1993	1994	1996	2002	2004	2005	2006	2007	2009	2010	2011	2012	Mean
Teal	0	0	0	2	0	0	0	0	16	9	2	3	2
Mallard	0	0	13	0	0	0	33	0	0	11	6	3	5
Northern pintail	12	30	49	86	512	164	23	34	88	22	62	58	102
Scoters	2	13	0	4	0	0	3	0	16	5	5	2	4
Common eider	262	186	1,071	1,055	1,156	1,057	510	955	1,441	16	360	260	756
King eider	59	81	377	271	264	644	76	347	793	57	101	55	279
Spectacled eider	0	1	0	176	0	0	69	76	64	0	45	20	41
Steller's eider	42	0	0	0	0	0	0	0	32	0	4	0	7
Harlequin duck	47	26	8	0	0	0	2	0	24	9	4	2	10
Long-tailed duck	60	17	1,075	366	4	20	0	24	572	0	50	0	219
Black brant	7	29	97	270	227	278	115	155	526	22	45	27	161
Canada goose	1	2	6	22	65	102	46	5	57	5	40	6	32
White-fronted goose	0		0	6	4	12	21	51	32	2	7	7	14
Emperor goose	0	3	110	1,068	1,174	707	86	249	967	0	60	128	414
Snow goose	118	160	243	638	926	1,143	306	343	1,608	6	18	21	502
Swan	5	5	15	62	35	22	3	2	120	0	12	6	26
Sandhill crane	3	6	21	237	249	77	12	54	98	0	5	1	69
Short-tailed shearwater	0	0	0	0	0	0	0	0	0	0	0	0	0
Cormorant	500	601	1,432	767	1,000	623	746	435	1,696	200	690	458	813
Black-legged kittiwake	21	9	36	0	0	0	0	0	51	0	0	17	12
Large gulls	182	64	472	487	562	25	0	115	223	23	314	128	234
Auklets	2,836	1,811	5,862	4,284	5,966	3,618	2,116	2,266	5,776	200	2,137	2,537	3,564
Murres	1,945	2,047	5,029	3,263	4,610	2,676	3,377	2,300	5,790	80	1,635	908	3,053
Guillemots	12	24	0	0	0	5	0	0	496	25	12	0	50
Puffins	4	0	36	12	2	20	20	0	3	0	0	0	9
Loons	75	173	203	467	568	107	166	262	417	11	27	8	225
Other birds	1	0	19	38	0	104	4	5	136	84	42	1	32
Total birds	6,194	5,288	16,174	13,581	17,324	11,404	7,734	7,678	21,042	787	5,683	4,656	10,636

**Table 2. Gambell egg harvest estimates 1993–2012.**

Species	1993	1994	1996	2002	2004	2005	2006	2007	2009	2010	2011	2012	Mean
Common eider	10	0	174	24	17	238	196	71	790	0	225	31	155
King eider	6	0	0	24	0	0	20	0	334	0	0	0	35
Spectacled eider	0	0	0	0	0	0	0	0	0	0	0	0	0
Steller's eider	0	0	0	0	0	0	0	0	32	0	0	0	3
Emperor goose	0	0	0	0	0	0	0	0	0	0	24	0	2
Swan	0	0	0	0	4	20	0	0	19	0	0	0	4
Sandhill crane	0	0	0	0	0	15	0	0	25	0	5	0	4
Cormorant	0	0	34	0	0	0	0	0	0	0	0	0	3
Mew gull	0	0	0	0	0	0	0	0	175	0	0	0	16
Black-legged kittiwake	0	0	0	0	0	0	0	0	0	0	0	0	0
Large gulls	0	0	0	0	0	35	224	0	318	0	57	0	70
Auklets	0	0	0	0	0	0	0	0	159	0	0	0	14
Murres	7,027	5,372	3,730	1,914	4,954	1,280	6,829	3,588	10,541	388	2,174	5,165	4,489
Loons	0	0	0	0	0	0	0	0	181	0	0	0	16
Other eggs	0	0	0	0	0	0	163	0	321	0	36	0	18
Total eggs	7,043	5,372	3,938	1,962	4,984	1,588	7,439	3,659	12,935	388	2,681	5,196	4,879

Harvest data sources: [1993, 1994] Wentworth and Seim (1995); [1996] Georgette and Iknokinok (1997); [2002] Kawerak (2004); [2004, 2005, 2007, 2009, 2010] Naves (2014); [2006] Ahmasuk and Trigg (2008); [2011, 2012] Naves and Zeller (2013).

Note: 2010 Harvest estimates not included in Gambel bird and egg 1993–2012 mean, see note on front page.

**Table 3. Savoonga bird harvest estimates 1993–2012.**

Species	1993	1996	2002	2004	2005	2006	2007	2009	2010	2011	2012	Mean
Teal	0	0	0	0	0	0	0	0	0	0	0	0
Mallard	0	0	0	0	0	0	0	0	0	0	0	0
Northern pintail	0	0	0	0	0	0	0	0	0	0	7	1
Scoters	0	0	25	0	0	94	0	40	0	24	25	21
Common eider	32	159	627	377	1,435	937	3,581	704	501	183	157	511
King eider	8	0	510	118	370	603	2,818	82	52	38	26	181
Spectacled eider	9	0	289	5	67	290	788	64	45	15	25	81
Steller's eider	0	0	5	0	12	23	0	0	19	13	17	9
Harlequin duck	4	0	24	240	1,195	229	1,990	9	44	5	4	175
Long-tailed duck	0	126	24	5	0	9	625	0	169	5	0	34
Black brant	8	0	562	181	0	398	836	62	4	53	49	132
Canada goose	0	6	28	0	148	27	8	0	0	34	0	24
White-fronted goose	0	0	0		0	0	0	0	0	1	0	0
Emperor goose	12	0	544	227	421	352	934	177	76	44	62	192
Snow goose	15	48	961	156	402	749	956	374	32	181	7	293
Swan	0	6	30	73	128	4	611	107	0	5	0	35
Sandhill crane	0	0	37	20	0	4	23	9	0	6	9	9
Short-tailed shearwater	0	0	0	0	0	0	0	0	0	17	48	7
Cormorant	494	853	3,289	2,053	2,279	2,807	10,423	3,970	2,172	899	452	1,927
Black-legged kittiwake	4	13	773	664	2,344	723	2,347	43	3	9	8	458
Large gulls	94	270	77	83	880	301	1,161	258	181	171	99	241
Auklets	470	536	1,637	616	1,164	2,502	14,491	2,373	1,052	567	233	1,115
Murres	1,301	3,490	6,275	5,646	1,850	7,836	33,530	6,547	3,363	2,541	1,676	4,053
Guillemots	0	0	903	410	0	413	0	520	3,005	22	13	529
Puffins	0	0	0	18	0	0	0	0	0	0	0	2
Loons	110	223	850	487	801	1,462	3,748	269	46	124	171	454
Other birds	12	0	29	124	0	12	124	15	42	25	8	27
Total birds	2,573	5,730	17,499	11,503	13,496	19,775	78,994	15,623	10,806	4,982	3,096	10,508

**Table 4. Savoonga egg harvest estimates 1993–2012.**

Species	1993	1996	2002	2004	2005	2006	2007	2009	2010	2011	2012	Mean
Common eider	0	0	0	0	0	0	0	0	3	52	1	6
King eider	0	0	125	0	0	0	51	23	0	0	0	15
Spectacled eider	0	0	17	0	0	0	0	0	0	0	0	2
Steller's eider	0	0	0	0	0	0	0	0	0	0	0	0
Emperor goose	0	0	0	0	0	0	28	0	0	0	0	0
Swan	0	0	0	0	0	0	0	0	0	0	10	1
Sandhill crane	0	0	0	0	0	0	0	0	0	0	0	0
Cormorant	0	0	0	0	0	1,434	0	0	0	0	0	143
Mew gull	0	0	0	52	0	0	0	0	0	0	0	5
Black-legged kittiwake	0	0	73	0	0	0	0	0	0	0	34	11
Large gulls	0	0	0	156	0	0	0	0	0	54	32	24
Auklets	15	0	0	116	0	0	0	41	0	0	12	17
Murres	6,517	10,286	35,836	64,754	65,077	57,994	118,281	91,337	41,140	15,750	20,746	40,944
Loons	0	0	0	8	0	0	0	0	0	0	0	1
Other eggs	0	0	0	10	0	0	0	0	0	0	0	1
Total eggs	6,532	10,286	36,051	65,096	65,077	59,428	118,360	91,401	41,143	15,856	20,835	41,171

Harvest data sources: [1993, 1994] Wentworth and Seim (1995); [1996] Georgette and Iknokinok (1997); [2002] Kawerak (2004); [2004, 2005, 2007, 2009, 2010] Naves (2014); [2006] Ahmasuk and Trigg (2008); [2011, 2012] Naves and Zeller (2013).

Note: 2007 Harvest estimates not included in Savoonga bird and egg 1993–2012 mean, see note on front page.

## Birds that may be harvested or mentioned in harvest surveys on St. Lawrence Island

(Saint Lawrence Island/Siberian Yupik names shown in red)

Ducks	
wigeons (Eurasian wigeon, American wigeon):	mallard:
northern pintail: <b>ngiikaaq</b> , <b>nqiikaaq</b> , <b>quulvekesiiq</b>	northern shoveler: <b>pekutaghraak</b>
common eider: <b>metghaq</b> (pik), <b>gatepak</b> , <b>tagrapak</b> , <b>uskulla</b>	king eider: <b>qengalek</b>
Steller's eider: <b>aglekeseqaq</b>	spectacled eider: <b>iyegaatelek</b> , <b>livghaan</b>
common goldeneye:	harlequin duck: <b>qagingik</b>
scoters (black scoter, white-winged scoter): <b>metghasaak</b>	long-tailed duck: <b>aahaangwliq</b> , <b>uyangsaq</b> , <b>kangghwaak</b> (female), <b>ugeyiighaq</b> (male)
greater scaup:	red-breasted merganser: <b>aqfasuk</b> (also grebe?), <b>iikaaq</b>
Geese, Swan, Crane, Owl, Ptarmigan	
brant: <b>teghqillkak</b> , <b>qefteq</b>	emperor goose: <b>leglileq</b>
Canada goose: <b>qefteq</b> , <b>teghqilkagpak</b>	snow goose: <b>kaanguq</b> , <b>kaangu</b>
greater white-fronted goose: <b>wilwitu</b>	sandhill crane: <b>satelgaq</b>
tundra swan: <b>quuk</b>	ptarmigan: <b>aqergiiq</b>
snowy owl: <b>anipa</b>	
Seabirds	
northern fulmar: <b>aghqulluk</b>	short-tailed shearwater: <b>kaputaghaq</b>
pelagic cormorant: <b>ngelqaq</b>	Arctic tern: <b>tekeyiighaq</b>
black-legged kittiwake: <b>qaqsungiq</b>	Sabine's gull: <b>nasallenguq</b>
Ross's gull: <b>kulusim qawaaga</b> (iceberg, polar ice bird)	mew gull: <b>naghuya</b> , <b>ungazim naghuyangi</b> (other gulls?)
large gulls: <b>naghuyapik</b> (glaucous gull?), <b>ugraaq</b> (herring gull), (glaucous-winged gull?)	auklets: <b>amaaghaq</b> (auklet chick), <b>sukilpaq</b> (crested auklet), <b>akmaliighaq</b> (least auklet), <b>suklugraq</b> (parakeet auklet), (rhinoceros auklet?)
murre (common murre, thick-billed murre): <b>alpa</b> , <b>kuwaaq</b> , <b>aqevgaghnak</b> , <b>alpapiget</b> , <b>alpapik</b> , <b>quwaaghet</b>	guillemots (pigeon guillemot, black guillemot): <b>samseghaghaq</b> (adult), <b>sipelaaghaq</b> (young)
dovekie: <b>quqiiq</b>	puffins: <b>pagrugaq</b> (tufted puffin), <b>quprughaq</b> (horned puffin)
Shorebirds	
large shorebirds with long beak: <b>sugtuvak</b> (whimbrel?, curlew?, bar-tailed godwit?, long-billed dowitcher?)	large shorebirds: <b>turiighpak</b> (Pacific golden plover?, American golden plover?, black-bellied plover?)
turnstones (ruddy turnstone, black turnstone): <b>sagelmak</b>	phalaropes (red phalarope, red-necked phalarope): <b>qulighya</b> , <b>sughmeghaq</b>
small, other shorebirds: <b>turiighaq</b> ; <b>teraateriiq</b> (dunlin?, pectoral sandpiper?), <b>qalmesam teraateriiq</b> (rock sandpiper?), <b>iglagllengiiq</b> (western sandpiper?), <b>qalmesam qawaaga</b> (gray-tailed tattler?, wandering tattler?)	
Loons and Grebes: <b>yuwayu</b> (loon, small loon, breeding plumage), <b>yuwayaaghaq</b> (nonbreeding plumage, juvenile)	
red-throated loon: <b>eghqaq</b> (breeding plumage)	Pacific loon, Arctic loon: <b>melqupak</b> (breeding plumage)
yellow-billed loon: <b>nangqwalek</b> (breeding plumage), <b>nangqwalgaaghaq</b> (nonbreeding plumage, juvenile). Also used for the common loon, which is locally rather uncommon.	grebes (red-necked grebe, horned grebe): <b>aqfasuget</b> , <b>aqfasuq</b> (also merganser?)

Sources: Ehrlich et al. (1993), Paige et al. (1996), Romanenko et al. (1997), Badten et al. (2008), Tahbone and Trigg (2011), Naves and Zeller (2013).

Note: this list did not intend to represent all bird species occurring on St. Lawrence Island. For comments, corrections, and updates to this list, please see contact information at bottom of the front page.