

Migratory bird subsistence harvest estimates Togiak National Wildlife Refuge, 1995-2000.							
	1995	1996	1997	1998	1999	2000	6-year Average
GEESE							
White-fronted Geese	553	669	664	526	889	1135	739
Cackling Canada Geese	946	1115	739	1168	887	1612	1078
Emperor Geese	186	30	105	518	113	59	168
Black Brant	553	331	432	1379	1384	879	826
Lesser Canada Geese	1034	827	412	1477	1166	827	957
Lesser Snow Geese	143	0	10	13	9	3	30
TOTAL GEESE	3416	2972	2362	5081	4447	4515	3799
Tundra Swans	226	176	101	556	460	218	290
Sandhill Cranes	630	164	145	152	433	224	291
DUCKS							
Pintails	810	478	385	679	700	995	674
Mallards	1594	572	575	648	479	771	773
Unidentified ducks	2087	74	26	58	125	184	426
Wigeons	43	82	62	51	85	111	72
Shovelers	51	5	24	26	119	61	48
Canvasback	0	0	0	0	0	0	0
Green-winged Teals	128	122	170	84	29	218	125
Buffleheads	0	17	13	0	0	0	5
Harlequins	340	15	148	59	42	37	107
Greater Scaup	0	0	28	9	3	52	15
Goldeneyes	66	0	55	30	69	246	78
Long-tailed Ducks	51	128	5	114	19	0	53
White-winged Scoters	0	0	23	137	38	224	70
Black Scoters	169	194	225	104	261	163	186
Surf Scoters	0	0	53	37	20	23	22
Common Eiders	126	43	84	213	150	51	111
King Eiders	3666	1689	976	660	686	389	1344
Spectacled Eiders	0	43	110	45	15	0	35
Steller's Eiders	0	0	63	11	4	20	16
Common Mergansers	0	202	203	91	49	347	149
Red-breasted Mergansers	380	320	381	581	389	187	373
TOTAL DUCKS	9510	3985	3608	3635	3283	4077	4683
Ptarmigan	9211	1109	820	1434	2153	1620	2724
Spruce Grouse	0	0	0	0	0	0	0
OTHER BIRDS							
Yellow-billed Loons	218	0	10	19	12	0	43
Red-throated Loons	0	0	0	14	0	3	3
Common Loons	111	4	3	9	6	0	22
Arctic Loons	0	0	0	0	0	0	0
Common Murres	0	36	13	27	9	0	14
Small shorebirds	0	0	20	3	0	0	4
Large shorebirds	0	0	6	7	3	50	11
Mew Gulls	335	0	0	3	0	0	56
Sabines Gulls	0	0	17	47	0	0	11
Glaucous Gulls	0	0	0	0	0	6	1
Glaucous-winged Gulls	0	0	0	0	0	0	0

Arctic Terns	0	0	0	0	0	0	0
TOTAL OTHER BIRDS	664	40	68	129	29	58	165
TOTAL BIRDS(w/o Ptarmigan)	14447	7338	6285	9554	8652	9092	9228
TOTAL BIRDS (w/ Ptarmigan)	23658	8446	7105	10988	10804	10712	11952

Year estimates reflect an increasing number of participating villages. Manakotak and Togiak were the only villages surveyed in 1995.

Manakotak, Togiak and Quinhagak were surveyed in 1996 and 1997. Manakotak, Togiak, Quinhagak, Platinum and Goodnews Bay were surveyed in 1998 and 1999. Estimates for villages that did not participate are based on average harvest per household for surveyed villages. All six villages, including Twin Hills, were surveyed in 2000.

In 1998, Goodnews Bay was surveyed during the spring and early summer only. Estimates for other survey periods were based on average harvest per household from Manakotak, Togiak, Platinum and Quinhagak.

Egg subsistence harvest estimates Togiak National Wildlife Refuge, 1995 - 2000.

	1995	1996	1997	1998	1999	2000	6-year Average
GOOSE EGGS							
White-fronted Geese	26	192	0	0	0	0	36
Cackling Canada Geese	286	114	27	88	0	0	86
Emperor Geese	0	0	0	0	0	0	0
Black Brant	128	0	0	0	9	0	23
Lesser Canada Geese	117	68	40	74	46	0	58
Lesser Snow Geese	0	0	0	0	0	0	0
TOTAL GOOSE EGGS	558	375	67	162	55	0	203
Tundra Swan Eggs	51	0	0	88	0	0	23
Sandhill Crane Eggs	143	0	5	0	17	0	28
DUCK EGGS							
Pintails	135	160	0	0	12	0	51
Mallards	327	16	84	35	32	0	82
Unidentified Ducks	1322	26	0	0	0	0	225
Wigeons	0	0	0	0	0	0	0
Shovelers	0	0	0	0	0	0	0
Canvasbacks	0	0	0	0	0	0	0
Green-winged Teals	0	0	0	0	0	0	0
Buffleheads	0	0	0	0	0	0	0
Harlequins	0	0	0	0	0	0	0
Greater Scaup	0	0	0	0	0	0	0
Goldeneyes	0	0	29	0	0	0	5
Long-tailed Ducks	0	0	145	0	0	0	24
White-winged Scoters	0	0	0	0	0	0	0
Black Scoters	0	0	0	0	0	0	0
Surf Scoters	0	0	0	88	0	0	15
Common Eiders	0	0	0	0	6	0	1
King Eiders	51	0	0	0	145	0	33
Spectacled Eiders	252	0	0	0	0	0	42
Steller's Eiders	0	0	0	0	0	0	0
Common Mergansers	0	0	0	29	291	0	53
Red-breasted Mergansers	58	0	0	0	0	0	10
TOTAL DUCK EGGS	2145	202	229	153	486	0	536

Ptarmigan Eggs	310	82	27	1	27	3	75
Spruce Grouse Eggs	0	0	0	0	0	0	0
OTHER BIRD EGGS							
Yellow-billed Loons	0	0	23	0	0	0	4
Red-throated Loons	0	0	0	0	0	0	0
Common Loons	83	0	1	0	15	6	17
Arctic Loons	0	0	1438	0	0	0	240
Common Murres	1519	6644	7147	7881	7658	1027	5313
Small Shorebirds	0	0	48	14	0	24	14
Large Shorebirds	0	0	260	5	4	0	45
Mew Gulls	5652	329	1338	600	116	199	1372
Sabine's Gulls	4439	775	1255	108	494	427	1250
Glaucous Gulls	9662	228	5127	3427	3486	11384	5552
Glaucous-winged Gulls	0	4350	27	0	0	20	733
Arctic Terns	117	42	135	303	870	788	376
TOTAL OTHER BIRD EGGS	21472	12368	13993	12340	12643	13874	14448
TOTAL BIRD EGGS (w/o ptarmigan)	24369	12946	14295	12744	13201	13874	15238
TOTAL BIRD EGGS (w/ ptarmigan)	24679	13028	14322	12745	13228	13877	15313

Year estimates reflect an increasing number of participating villages. Manakotak and Togiak were the only villages surveyed in 1995.

Manakotak, Togiak and Quinhagak were surveyed in 1996 and 1997. Manakotak, Togiak, Quinhagak, Platinum and Goodnews Bay were surveyed in 1998 and 1999. Estimates for villages that did not participate are based on average harvest per household for surveyed villages. All six villages, including Twin Hills, were surveyed in 2000.

In 1998, Goodnews Bay was surveyed during the spring and early summer only. Estimates for other survey periods were based on average harvest per household from Manakotak, Togiak, Platinum and Quinhagak.