

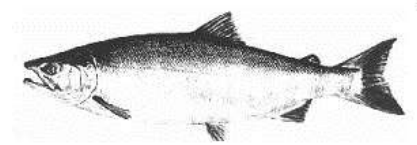
ALASKA DEPARTMENT OF FISH AND GAME

DIVISION OF COMMERCIAL FISHERIES

NEWS RELEASE



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2018 NORTON SOUND SALMON MANAGEMENT PLAN

INTRODUCTION

Norton Sound is comprised of two fishing districts, the Norton Sound District and the Port Clarence District (Figure 1). The Norton Sound District extends from Cape Douglas south to Point Romanof and includes over 500 miles of coastline. The area open to commercial salmon fishing is divided into six subdistricts. Each subdistrict contains at least one major spawning stream with commercial fishing effort located in the ocean near stream mouths. The Port Clarence District encompasses all waters from Cape Douglas north to Cape Prince of Wales. The commercial salmon fishing area is adjacent to the communities of Brevig Mission and Teller (Figure 2).

Alaska Department of Fish & Game (ADF&G, department) staffing for salmon management within Norton Sound includes three permanent biologists, a program technician and 18 seasonal employees during the summer months. Norton Sound Economic Development Corporation (NSEDC) funds 22 interns to work on department projects and cooperative projects between NSEDC and ADF&G. Anticipated department management projects in 2018 include: Kwiniuk River counting tower; Bonanza weir; Nome River weir; Solomon River weir; periodic aerial surveys of index spawning streams; and catch sampling and monitoring efforts at Unalakleet. Cooperative projects with other agencies will occur at the Unalakleet River weir (BLM, NSEDC and Unalakleet IRA); Fish River tower (NSEDC); and Snake River weir (NSEDC). Department staff will also track the salmon escapement counts reported on other cooperative projects administered by NSEDC on the following rivers: North, Shaktoolik, Inglutalik, Eldorado, and Pilgrim.

2018 RUN OUTLOOK

Salmon outlooks and harvest projections for the 2018 salmon season are based on qualitative assessments of parent-year escapements, sibling relationships, subjective determinations of

freshwater overwintering and ocean survival, and in the case of the commercial fishery, the projections of local market conditions. In last year's commercial fishery there was a record coho salmon harvest and the highest chum salmon harvest since 1983 (Table 1). The department expects similar coho and chum salmon run strengths in 2018, but the Chinook salmon run will likely be weak again and no commercial fishing targeting Chinook salmon is expected in Norton Sound. Additional subsistence restrictions for Chinook salmon are expected in southern Norton Sound. Sales of incidentally harvested Chinook salmon will not be allowed in Subdistricts 5 and 6 until late July or early August because of subsistence fishing restrictions starting in June. Elsewhere, incidentally caught Chinook salmon in commercial fisheries will be allowed to be sold. Chum salmon runs are expected to be above average and the harvest is expected to be 150,000 to 200,000 fish. The department expects the pink salmon run to be above average for an even-numbered year, but harvest will depend on buyer interest and could range from 25,000 to 75,000 fish. No pink salmon directed fishing periods would be expected because of buyer interest in more valuable salmon species and the pink salmon harvest would likely be an incidental harvest only. However, the department does have the authority to increase fishing net aggregate length from 100 fathoms to 200 fathoms if there were a pink salmon directed fishery. Also, in June, a seine fishery targeting pink and chum salmon in Subdistricts 5 and 6 could occur with the requirement that Chinook salmon be returned to the water unharmed and in that case the pink salmon harvest may exceed 200,000 pink salmon. The coho salmon run is expected to be well above average based on ocean survival conditions in recent years. The commercial harvest is expected to be 170,000 to 220,000 fish. In the Port Clarence District the department expects the commercial fishery to remain closed because of a lack of buyer interest despite the in-river goal of 30,000 sockeye salmon at Pilgrim River expected to be reached. Subsistence fishing closures in the Pilgrim River are not expected, but the department will limit sockeye salmon subsistence harvest to 25 fish initially and will increase or waive the limit if the run is similar to the last several years.

MANAGEMENT STRATEGIES

Department staff will manage salmon fisheries to ensure escapement goals are achieved. Subsistence fishing may need to be restricted or closed if concerns for escapement arise. Commercial fishing will be allowed if a market is available and if there is an adequate surplus in excess of escapement and subsistence needs. Informational updates will be broadcast periodically over Nome public radio stations and News Releases sent to the Unalakleet radio station for broadcast to inform fishermen of current regulations, catches, escapements and ADF&G activities. Biologists will attempt to visit each fishery to disseminate fishery information and answer questions. The Unalakleet office will be open daily, except Saturday and Sunday, throughout the season beginning the second week of June. The Unalakleet office number is 624-3921. The public may also call the Nome office toll-free number at 1-800-560-2271 or the local number of 443-5167 for information.

NOME SUBDISTRICT

Subdistrict 1 (Nome) salmon management in 2018 is expected to be similar to last year. Commercial fishing time targeting chum and coho salmon is expected. Since Tier II chum salmon subsistence fishing was suspended in 2006, the subdistrict-wide escapement goal range of 23,000 to 35,000 fish has been reached or exceeded in all years except in 2009. In the last five

years the escapement has ranged from 61,000 to 124,000 fish. Three rivers have chum salmon escapement goal ranges; Eldorado (6,000 to 9,200), Nome (2,900 to 4,300) and Snake (1,600 to 2,500). The range has been exceeded at all three rivers the last five years.

In marine waters, subsistence fishing is allowed 7 days a week prior to June 15 and after August 15. From June 15 through August 15 the marine waters of Nome Subdistrict, west of Cape Nome, will be open to set gillnet fishing from 6 p.m. Wednesday until 6 p.m. Monday unless closed by emergency order. Marine waters east of Cape Nome will remain open 7 days a week throughout the season unless closed by emergency order. In fresh waters, subsistence fishing is open 7 days a week prior to June 15 and after August 31. Beginning June 15 through August 31, subsistence set gillnet fishing will be open in fresh waters from 6 p.m. Wednesday until 6 p.m. Monday. Subsistence permits are required when subsistence salmon fishing. All state resident households are eligible to receive a free subsistence permit. The fishing schedule listed above will be in effect unless reduced or closed by emergency order because of weaker than expected salmon runs. Dip nets and cast nets are legal gear for harvesting salmon in Norton Sound and are allowed during the set gillnet fishing periods. Beach seining is allowed during set gillnet fishing periods from June 15 through August 15.

Stream-specific harvest limits are listed on the subsistence salmon fishing permits. There are no catch limits in marine waters. Permit catch limits for Nome Subdistrict and Port Clarence District streams are listed in Table 2.

The department will use the Eldorado weir counts as the primary indicator of chum salmon run strength in Nome Subdistrict east of Cape Nome. If chum salmon escapement begins to lag behind historical run timing curves and indicates the escapement goal range will not be met, marine and river fishing periods may be reduced or suspended until the department switches to management to other salmon species. However, the Eldorado River chum salmon escapement is expected to be easily met in 2018 and daily escapement counts from the weir will be used to confirm that the run is tracking as expected. If the escapement goal range is projected to be achieved the department will consider commercial fishing openings east of Cape Nome. This will be first year of Bonanza weir so no historical comparison can be made except by comparing aerial surveys. Aerial surveys will also be used to index escapement to the Flambeau River. If aerial survey counts show escapements to be lagging, then freshwater fishing periods may be suspended.

The department will use the Nome River and Snake River escapement counts as an indicator of chum salmon run strength in the Nome Subdistrict west of Cape Nome. If the Nome River and Snake River weir counts project that the chum salmon escapement goal range will not be reached, marine and freshwater subsistence fishing periods may be restricted or suspended. However, both rivers are expected to easily exceed the escapement goal ranges. The Cripple and Penny rivers are closed by regulation to subsistence chum salmon fishing. The Sinuk River is expected to have good chum and sockeye salmon runs in 2018.

Commercial fishing periods are expected in Nome Subdistrict for chum salmon and possibly pink salmon if there is buyer interest. Also, there is the possibility for commercial fishing for coho salmon in August depending on run strength. Directed fishing periods for chum and coho salmon will have gear restricted to a maximum mesh size of 6 inches and for pink salmon to a maximum mesh size of 4 ½ inches.

GOLOVIN SUBDISTRICT

The chum run is expected to be above average with commercial fishing time expected in mid- to late-June if run strength comes in as expected

The Niukluk River tower project is no longer operational, but a counting tower project initiated by NSEDC has operated on the Fish River downstream of the confluence of the Niukluk River the last four years. The department will use salmon escapement counts from the project as an index to compare with other salmon run assessments to determine if continued commercial fishing time is warranted. If the Fish River project proves to be an accurate assessment over several generations of salmon escapement the department may be able to set a tower-based escapement goal.

If the Fish River project is unable to accurately enumerate the salmon run because of high water, then the chum salmon escapement counts in the adjacent Subdistrict 3 will be used as an indicator of the chum salmon run in Subdistrict 2 along with a peak aerial survey count if possible. By comparing Niukluk River tower chum salmon counts (1995-2012) with Kwiniuk River tower chum salmon counts of the same year there has been agreement between both rivers achieving or not achieving their respective escapement goals in 16 of 18 years. The department will also evaluate catch per unit of effort (CPUE), if there is commercial fishing, with historical commercial fishing periods during similar dates to determine if additional fishing time is warranted. This management method is similar to management before escapement goals were established in 1999 and will be used until future escapement goals are set based on sufficient aerial survey or tower data.

Both the Fish River tower site and the former Niukluk River tower site are much farther upstream than the adjacent Subdistrict 3 counting tower on Kwiniuk River. The department historically has used the counts from Kwiniuk River tower to determine early season chum salmon openings in Subdistrict 2. Further commercial chum salmon fishing opportunity after mid-July will be dependent on sufficient chum salmon escapement. Also, if the Fish River tower crew is able to effectively count and differentiate salmon species the chum salmon counts will be compared with the former Niukluk River tower escapement goal of 23,000 chum salmon to determine if that goal would have been met. Last decade, a three-year chum salmon tagging study showed an average of one-third of the Fish River drainage escapement was in the Niukluk River.

The pink salmon run should be sufficient to allow for commercial fishing periods in July if there is buyer interest and there will likely be coho salmon commercial fishing periods. Until mid-August coho commercial CPUE will be used to set commercial coho salmon fishing time. By mid-August, if the Fish River counting tower is still operational, the department will determine additional fishing time based on coho salmon escapement as estimated by the counting tower. Also, the department plans to conduct aerial surveys of Niukluk River and Ophir Creek to determine if the aerial survey goal of 750 to 1,600 coho salmon will be reached. Directed fishing periods for chum and coho salmon will have gear restricted to a maximum mesh size of 6 inches and for pink salmon to a maximum mesh size of 4 ½ inches.

Permits are required when subsistence salmon fishing and no restrictions in subsistence fishing time are expected.

ELIM SUBDISTRICT

Except for 2014, when hook and line subsistence fishing for Chinook salmon was closed, there have been no other subsistence restrictions in over 25 years in Subdistrict 3 (Elim). Subsistence permits are required when subsistence salmon fishing in the Elim Subdistrict and other than the possibility of in-season Chinook salmon restrictions no other restrictions are expected.

Commercial fishing for chum salmon is expected to begin in mid- to late-June and the run is expected to be similar to last year. The pink salmon run is expected to be above average for an even-numbered year, but buyer interest in pink salmon directed fishing periods is not expected.

Commercial coho salmon openings are likely beginning the end of July depending on the expected above average run strength. Directed fishing periods for chum and coho salmon will have gear restricted to a maximum mesh size of 6 inches and if a pink salmon directed fishing period occurs maximum mesh size will be restricted at 4 ½ inches.

NORTON BAY SUBDISTRICT

Commercial salmon fishing returned to Subdistrict 4 (Norton Bay) in 2008 after 10 years without a buyer, and commercial fishing has occurred every year since. Previously, salmon markets had not been sufficient to attract interested fishermen or buyers. Inseason escapement monitoring indices for this subdistrict were not available in previous years and the department used information from nearby subdistricts to determine if commercial fishing time was warranted along with historical CPUE comparisons. However, since 2011 NSEDC has operated a counting tower on the Inglutalik River and the department plans to use salmon escapement counts from the project as an index to compare with other projects in 2018. If the project proves to be an accurate assessment over several generations of salmon escapement the department would be able to set tower-based escapement goals.

In this decade there have been record commercial harvests of pink (2012), chum (2013) and coho (2015) salmon. Commercial salmon fishing harvests are expected to be above average for chum salmon and average for coho salmon in 2018, but restrictions on subsistence fishing time to protect Chinook salmon will be needed again.

Like last year, the department will implement a subsistence salmon fishing schedule the second week of June. All flowing waters draining the Inglutalik and Ungalik Rivers, and all marine waters of Norton Bay Subdistrict, will be placed on a subsistence fishing schedule of two 36-hour periods per week. Periods will be from 6:00 a.m. Mondays to 6:00 p.m. Tuesdays, and from 6:00 a.m. Saturdays to 6:00 p.m. Sundays. During the openings from Mondays to Tuesdays, subsistence users will be restricted to set gillnets with a stretched mesh size of 6 inches or less. For weekend openings from Saturdays to Sundays, there will be no restrictions on mesh size.

SHAKTOOLIK AND UNALAKLEET SUBDISTRICTS

Subdistricts 5 (Shaktoolik) and 6 (Unalakleet) have been managed as one fishery because past studies have shown salmon bound for these subdistricts intermingle and that harvests in one subdistrict likely will affect the other. If there is a sufficient salmon surplus for commercial fishing, a fishery will occur, but no commercial fishing is expected for Chinook salmon because of recent poor runs and poor parent-year escapements. Chum and pink salmon will be targeted commercially depending on market interest and gillnet fishing would likely occur after June to allow more time for Chinook salmon to pass through the subdistricts. However, there may be the

possibility of commercial fishing with beach seines for chum and pink salmon in June. Regulations allow for commercial beach seining for chum and pink salmon with the requirement Chinook salmon be released unharmed. The department will switch to coho salmon management in late July.

Timing and abundance of the Chinook salmon run will be monitored using passage estimates from the Unalakleet River weir and a counting tower on the North River, an important Chinook salmon spawning tributary in the Unalakleet River drainage. The escapement goal range for the North River is 1,200–2,600 Chinook salmon. However, for a Chinook salmon directed commercial fishery to occur, the department must project an escapement of a minimum of 1,900 Chinook salmon past the North River tower.

In previous years, to protect Chinook salmon, a restricted subsistence fishing schedule went into effect in mid-June in Subdistricts 5 and 6. The subsistence fishing schedule in the marine waters of Shaktoolik and Unalakleet Subdistricts had been from 6:00 p.m. Monday until 6:00 p.m. Wednesday and from 6:00 p.m. Thursday until 6:00 p.m. Saturday. The schedule in the Unalakleet River is from 8:00 a.m. Monday until 8:00 p.m. Tuesday and from 8:00 a.m. Friday until 8:00 p.m. Saturday. However, in recent years it has been difficult reaching the North River Chinook salmon escapement goal and the subsistence fishing schedule has been suspended in order for Chinook salmon escapement goals to be reached. For the first time since 2010, the North River escapement goal range of 1,200 to 2,600 Chinook salmon was reached in 2014 and 2015 with an escapement count of 2,328 and 1,938 fish, respectively. However, the escapement goal range has not been reached the last two years and a combination of targeted subsistence gillnet fishing closures, mesh size restrictions, closing subsistence fishing in the lower Unalakleet River, and marine water fishing period reductions will likely be needed to reach the escapement goal range in 2018.

Department personnel met with Shaktoolik and Unalakleet residents on May 10 and went over subsistence fishing restrictions for the upcoming season. Based on the recent 5-year trend in run performance and sibling relationships, the 2018 Chinook salmon run to southern Norton Sound is expected to be similar to 2017. There is the possibility of limited subsistence opportunity to target Chinook salmon if the run is much better than expected. However, more restrictive conservation measures will likely be needed in 2018 to reach the escapement goal range. Effective June 1, the department will again close the Unalakleet River drainage downstream of North River and the North River to all subsistence net fishing, except for dip nets and cast nets. Any Chinook salmon captured in a dip net or cast net must be immediately released unharmed. Likewise, effective June 9, all marine and fresh waters of both Shaktoolik and Unalakleet Subdistricts will close to all subsistence fishing. The department will allow at least one 24-hour subsistence fishing period in the marine waters each week with gillnets restricted to 6 inches or less mesh size during favorable weather conditions. Later in June and early July the department will allow beach seine fishing periods in fresh waters to provide opportunity for subsistence users to utilize chum and pink salmon during optimal weather periods. Regulations allow beach seines with a maximum mesh size of 4 ½ inches to be used from July 1 through August 10 to harvest salmon other than Chinook salmon. However, the department can allow the use of beach seines earlier by emergency order after factoring in weather and run timing patterns.

Chum and pink salmon directed commercial gillnet fishing periods are expected in July. Because of the expected restrictions to Chinook salmon subsistence fishing, the department plans to prohibit the sale of Chinook salmon during other salmon directed fishing periods through most of

July. Chum and pink salmon runs are expected to be above average. In Subdistricts 5 and 6, the commercial chum and pink salmon fishery may occur only if it is determined there is a harvestable surplus of chum or pink salmon and that a directed chum or pink salmon commercial fishery will not have a significant impact on escapement or subsistence use of Chinook salmon. If gillnet mesh-size restrictions or subsistence fishing time is restricted in the Chinook salmon subsistence fishery, commercial chum and pink salmon gillnet fisheries will not occur prior to July 1. If Chinook salmon escapements are lagging, then other salmon gillnet fisheries will need to be delayed to minimize Chinook salmon harvest. Chum salmon gillnet fishing periods will have gear restricted to a maximum mesh size of 6 inches and pink salmon directed fishing periods will have gear restricted to a maximum mesh size of 4 ½ inches. Coho salmon commercial fishing openings are expected with an above average run forecast. The coho salmon season is considered to begin July 25, or when coho salmon catches exceed chum salmon catches. Coho gear will be restricted to a maximum mesh size of 6 inches and the regular 48-hour periods will be in effect or extended if there are no escapement concerns.

Shaktoolik Subdistrict directed chum and coho salmon fisheries may be managed somewhat differently. Recurring high surf conditions over the past several seasons have severely limited commercial fishing time in this subdistrict. Whereas Unalakleet Subdistrict permit holders are often able to fish two 48-hour commercial fishing periods a week, the department may have a 72-hour commercial fishing period in Shaktoolik if weather prevents permit holders for setting gear for extended periods of time. This strategy should help maintain interest in the fishery and lead to safer fishing conditions and improved quality of fish delivered to buyers. Additionally, severe weather conditions affecting fishing should also allow sufficient numbers of chum and coho salmon to enter the Shaktoolik and Unalakleet rivers for escapement and subsistence needs. Changes to the fishing schedule from previous years may occur depending on the buyer requesting a change based on capacity limits and quality issues.

ST. MICHAEL AND STEBBINS

Subsistence fishing is open 7 days per week in southern Norton Sound from Pt. Romanof to the Subdistrict 6 boundary. Regulation allows for the restriction of gillnet mesh size in the subsistence fisheries throughout Norton Sound. In order to conserve Chinook salmon for spawning escapement and future uses by fishers, it may be necessary to consider reducing harvest of Chinook salmon migrating through the St. Michael and Stebbins areas by having closures or gillnet mesh size restrictions in the subsistence fishery.

PORT CLARENCE DISTRICT

The sockeye salmon run is expected to reach the inriver goal of 30,000 fish in Pilgrim River and therefore a commercial fishery targeting sockeye salmon could occur, but is not expected because of the lack of a buyer.

Subsistence salmon fishing permits are required for the Port Clarence District, Pilgrim River drainage and Salmon Lake. Catch limits are listed on subsistence permits and in Table 2.

The sockeye salmon run in the Pilgrim River crashed in 2009 with only 953 fish through the weir after the previous 6 years had record passage from 20,000 to 85,000 sockeye salmon. The sockeye salmon escapement was only 1,654 fish in 2010. However, the escapement goal range of 4,000 to 8,000 sockeye salmon in Salmon Lake, observed by aerial survey, was achieved the last seven years. Based on the well above average sockeye salmon runs in 2015, 2016 and 2017 the

department expects 2018 to have a well above average run again. The department will compare the 2018 sockeye salmon run with historical escapement counts at the Pilgrim River weir after the first week of July and decide if a change is warranted in subsistence catch limit or if a closure may be necessary to reach the escapement goal range. No other subsistence fishing closures are expected in Port Clarence District.

TABLES AND FIGURES

Table 1.–Commercial salmon catches by species, Norton Sound District, 1961–2017.

Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1961	5,300	35	13,807	34,327	48,332	101,801
1962	7,286	18	9,156	33,187	182,784	232,431
1963	6,613	71	16,765	55,625	154,789	233,863
1964	2,018	126	98	13,567	148,862	164,671
1965	1,449	30	2,030	220	36,795	40,524
1966	1,553	14	5,755	12,778	80,245	100,345
1967	1,804	0	2,379	28,879	41,756	74,818
1968	1,045	0	6,885	71,179	45,300	124,409
1969	2,392	0	6,836	86,949	82,795	178,972
1970	1,853	0	4,423	64,908	107,034	178,218
1971	2,593	0	3,127	4,895	131,362	141,977
1972	2,938	0	454	45,182	100,920	149,494
1973	1,918	0	9,282	46,499	119,098	176,797
1974	2,951	0	2,092	148,519	162,267	315,829
1975	2,393	2	4,593	32,388	212,485	251,861
1976	2,243	11	6,934	87,916	95,956	193,060
1977	4,500	5	3,690	48,675	200,455	257,325
1978	9,819	12	7,335	325,503	189,279	531,948
1979	10,706	57	31,438	167,411	140,789	350,401
1980	6,311	40	29,842	227,352	180,792	444,337
1981	7,929	56	31,562	232,479	169,708	441,734
1982	5,892	10	91,690	230,281	183,335	511,208
1983	10,308	27	49,735	76,913	319,437	456,420
1984	8,455	6	67,875	119,381	146,442	342,159
1985	19,491	166	21,968	3,647	134,928	180,200
1986	6,395	233	35,600	41,260	146,912	230,400
1987	7,080	207	24,279	2,260	102,457	136,283
1988	4,096	1,252	37,214	74,604	107,966	225,132
1989	5,707	265	44,091	123	42,625	92,811
1990	8,895	434	56,712	501	65,123	131,665
1991	6,068	203	63,647	0	86,871	156,789
1992	4,541	296	105,418	6,284	83,394	199,933
1993	8,972	279	43,283	157,574	53,562	263,670
1994	5,285	80	102,140	982,389	18,290	1,108,184
1995	8,860	128	47,862	81,644	42,898	181,392
1996	4,984	1	68,206	487,441	10,609	571,241
1997	12,573	161	32,284	20	34,103	79,141
1998	7,429	7	29,623	588,013	16,324	641,396
1999	2,508	0	12,662	0	7,881	23,051
2000	752	14	44,409	166,548	6,150	217,873
2001	213	44	19,492	0	11,100	30,849
2002	5	1	1,759	0	600	2,365
2003	12	21	17,060	0	3,560	20,653
2004 ^a	22	47	42,016	0	6,296	48,381
2005	151	12	85,523	0	3,983	89,669
2006	20	3	130,808	0	10,042	140,873
2007	19	2	126,136	3,769	22,431	152,357
2008	83	60	120,309	75,525	25,124	221,101
2009 ^a	84	126	87,041	17,364	34,122	138,737
2010	140	103	62,079	31,557	117,743	211,622
2011	185	369	58,917	7,141	110,555	177,167
2012 ^a	197	134	37,056	205,498	62,772	305,657
2013 ^a	151	247	53,802	8,338	118,709	181,247
2014	289	519	112,756	182,406	107,745	403,715
2015	1,288	4,199	153,929	62,888	147,493	369,801
2016	321	2,888	102,890	208,961	51,176	366,236
2017	538	2,975	191,254	20,321	163,973	378,561
Average 2012-2016	449	1,581	92,086	133,618	97,580	325,315
Average 2007-2016	276	857	91,491	80,345	79,787	252,756

Note: Harvest numbers may include a small number of salmon retained for personal use reported on fish tickets that were not commercially sold.

^a All Chinook salmon caught were not sold, but were retained for personal use.

Table 2.–Norton Sound and Port Clarence Districts annual subsistence salmon permit limits.

Norton Sound District - Nome Subdistrict

Cripple River	No chum catch allowed
Penny River	No chum catch allowed
Nome River	100 coho/household
Snake River	100 coho/household
Solomon River	40 chum/household and 20 coho/household

Port Clarence District

Pilgrim River	3 king/household and 25 sockeye/household
Salmon Lake	Open by emergency order only; 200 sockeye salmon/household

Note: The waters of the Nome Subdistrict are subject to closures from June 15 to September 30. The Port Clarence District is outside the Nome Subdistrict area and, therefore, subsistence fishing can occur 7 days a week unless closed by an emergency order.

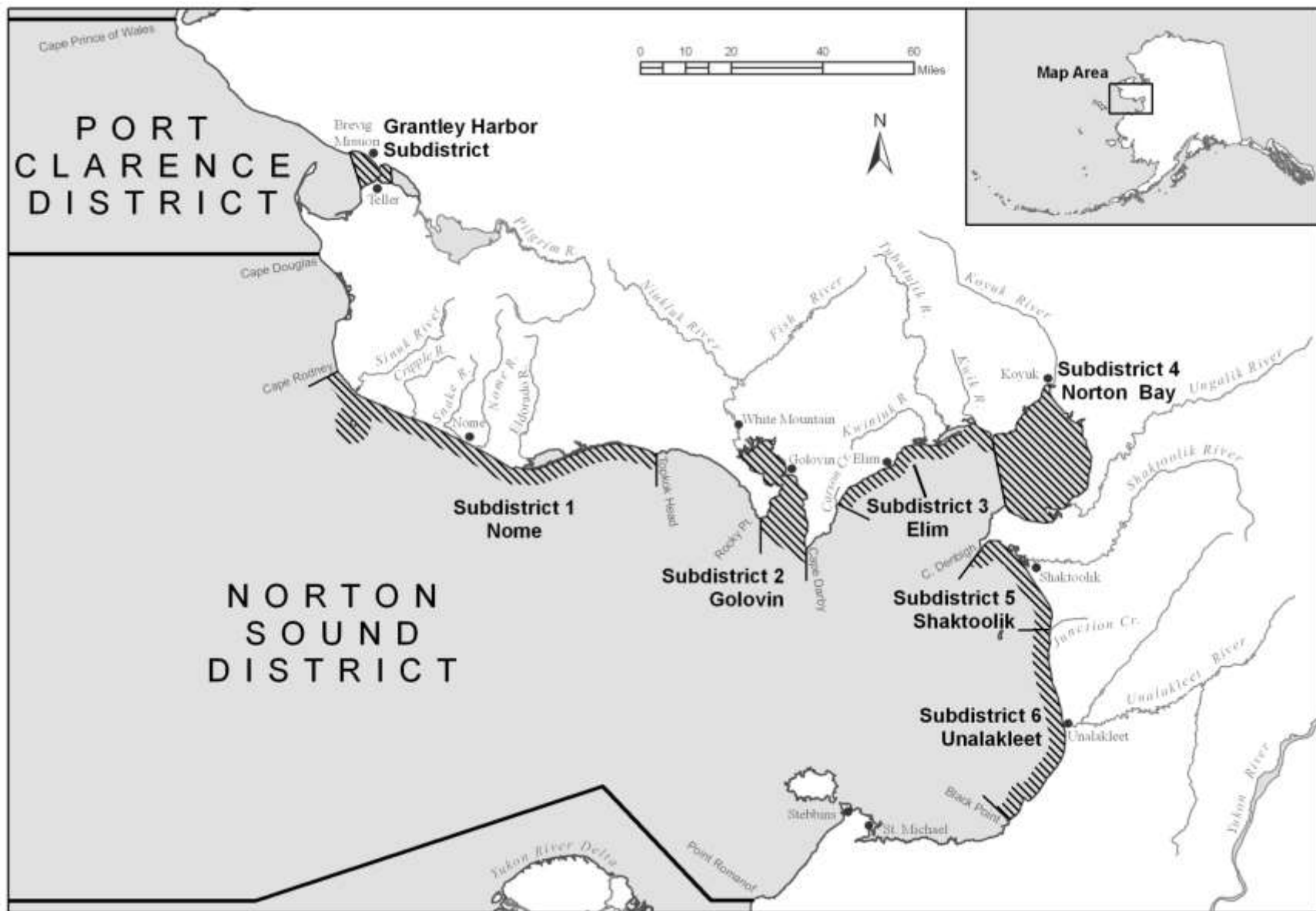


Figure 1.—Norton Sound District and Port Clarence District.

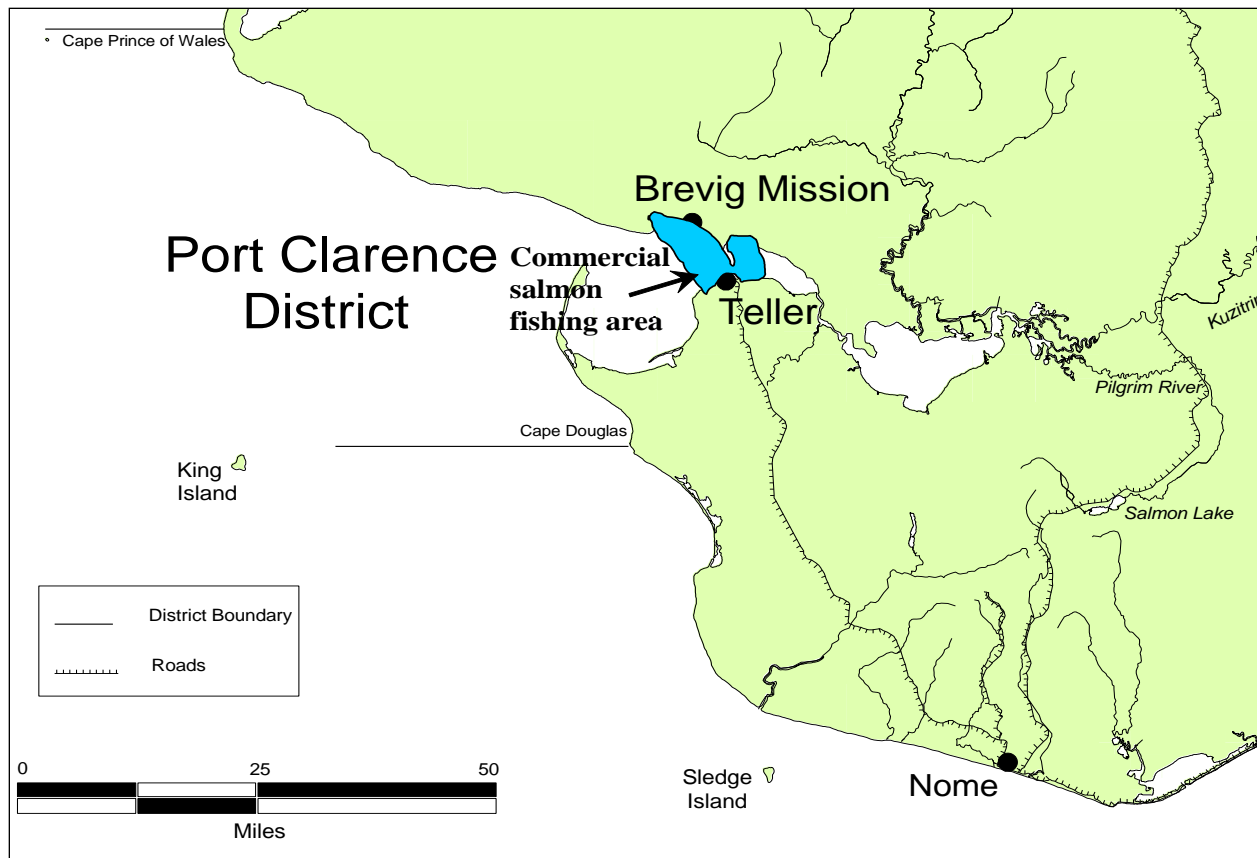


Figure 2.—Port Clarence District commercial salmon fishing area.