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Nome River Salmon Counting Tower
Project Summary Report, 1995

by

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INTRODUCTION

The Nome River drains into Norton Sound approximately three miles east of Nome. Commercial fishing has been gradually reduced through regulatory restrictions since the late 1970s and the marine waters near the mouth were closed in 1984. The Nome River currently supports a large number of subsistence and sport users, however, their fishing opportunities generally continue to decrease as fewer salmon return to the river most years. The subsistence and sport fisheries are now managed at a level of intensity similar to a commercial fishery, with Emergency Orders regulating restrictions and fishing periods.

Since 1993 a salmon counting tower has been operated on the Nome River (Bue 1994 and Bue In press). This year the project ran longer than in previous years and counted the returns of chum, pink, king, and coho salmon and of Dolly Varden. The project operates as a means to obtain timely and accurate escapement information that is required to actively manage the stocks throughout the season.

OBJECTIVES

1. Obtain daily and seasonal estimates of the timing and magnitude of the salmon escapement by species, to the Nome River.

2. Estimate the age, sex, and length composition of the chum salmon escapement to the Nome River.

3. Obtain daily and seasonal estimates for the timing and magnitude of the Dolly Varden escapement to the Nome River.

4. Collect age, sex and length information from a portion of the coho salmon return.

METHODS

The Nome River tower camp is approximately 3 miles upstream from the mouth of the river, on land leased to the Alaska Department of Fish & Game (ADF&G) by the Sitnasuak Native Corporation (Figure 1).

The crew began working on 19 June, 1995. After inventorying equipment and purchasing supplies, they ferried equipment to the tower site by truck and jet boat. Then the tents were put up.

A 50 foot vinyl canvas flash panel placed on the river bottom provided a contrasting background where fish species could easily be identified. The flash panel covered

approximately half the width of the river. The shore end of the flash panel was placed next to the cut bank on the camp side of the river. An aircraft cable threaded through grommets along the upstream edge of the flash panel was staked at each end to hold the panel in place. Sandbags placed at intervals along the cable edge of the panel held it down on the stream bottom to prevent fish from moving under the panel.

A 15 foot high aluminum scaffold was assembled on the bank directly in line with the flash panel and about three feet from the edge of the river. The scaffold was used as a tower from which fish were observed and enumerated as they passed over the flash panel. The tower was guyed by aircraft cables tied off to stakes in the ground. Planks were used as footings and sandbags placed on boards set across the lowest rungs of the scaffolding provided a low center of gravity and stability.

A weir was built from the shore opposite the tower to the flash panel. The weir ensured that all fish passed over the flash panel. In previous years the weir was built of thawfield pipes and livestock fencing. The weir was lost to flooding in 1994, so a new and stronger weir was designed A new weir was made of a series of 1¼" pipes assembled in pairs using locking metal brackets. Aluminum stringers twelve feet long connected the pairs of pipes horizontally. Metal conduit pipes ten feet long were inserted vertically in holes 2 inches on center on the stringers. This formed an easily cleaned, fish tight weir that could be quickly removed in the event of a flash flood.

A 12 volt lighting system was installed to illuminate the flash panel during dark periods. These lights were powered by an automotive battery that was recharged using a portable generator. By early August the dark time of night was long enough to discharge the battery before the end of one night of counting. These lights were replaced with 120 volt lights suspended from a cable hanging over the flash panel and directly powered by the generator. The lights operated continuously from dusk to dawn.

The crew traveled to Nome for their days off and also to pick up groceries, supplies and mail. Nome office staff transported the crew to and from the Nome River highway bridge and provided other logistical support.

The Commercial Fisheries Management and Development Division provided operational funding for the Nome River counting tower for the period beginning 19 June and ending July 31. Counting began at noon on 22 June 1995. Through 31 July, the crew counted 18 half-hour counts in three six hour shifts each day except for the day off and days of 24 hour counts. The first shift ran from 0000 hours to 0530 hours, the second ran from 1200 hours to 1730 hours and the third shift ran from 1800 hours to 2330 hours. Sundays were the normal day off. On the day following the day off, the crew counted 24 half-hour counts in three eight hour shifts. The Sport Fish Division provided operational funding beginning 1 August and ending 8 September. Beginning 1 August the schedule changed to one that rotated among three possible daily shifts of half-hour counts; Shift I began at 0000 hours and ended at 0730 hours, Shift II began at 0800 hours and ended at 1530

hours, Shift III began at 1600 hours and ended at 2330 hours. The shifts rotated according to the following schedule where the shaded areas indicate times counted:

Counting schedule for the Nome River counting tower, 1 August to 19 August 1995

	Aug 1 1	Aug 2 2	Aug 3 3	Aug 4 4	Aug 5 5	Aug 6 6	Aug 7 7	Aug 8 8	Aug 9 9				Aug 19 19
Shift I	■		■		■		■		■				■
Shift II		■		■		■		■					
Shift III	■		■		■		■		■				

By August 10, it became apparent that the coho salmon moved chiefly at night in pulses. Beginning 19 August at 0800 hours, the schedule was changed to increase the sampling effort during times of greatest passage. The new Shift I began at 0500 hours and ended at 1230 hours, Shift II began at 1300 hours and ends at 2030 hours, and Shift III begins at 2100 hours and ends at 0430 the next day. For reporting purposes the day began at 0500 hours for this new schedule. The new schedule rotated shifts according to the following schedule where the shaded areas indicate times counted:

Counting schedule for the Nome River counting tower, 19 August to 6 September 1995

	Aug 19 1	Aug 20 2	Aug 21 3	Aug 22 4	Aug 23 5	Aug 24 6	Aug 25 7	Aug 26 8	Aug 27 9				Sep 6 26
Shift I				■			■						■
Shift II		■			■			■					
Shift III	■	■	■	■	■	■	■	■	■	■	■	■	■

The counts for each half hour shift were doubled to produce the reported hourly counts for each species. Each day the reported hourly counts were added to produce a daily total. Every day, the daily and cumulative totals for each species were relayed to the Nome office by radio.

The expanded counts for this report were calculated using three methods, one for each of the shift schedules used. For the period beginning 22 June and ending 31 July, the 18 hour counts for the day off, were estimated by adding the counts of each hour of the day before to the counts of each hour of the day following and dividing the result by two, giving expanded hourly counts for 18 hours of the day off. Next an expansion factor was calculated to compensate for the 6 hours not normally counted. This factor was derived from the weekly 24 hour count, by dividing the total count from 0600 hours to 1200 hours during the 24 hour count by the total 24 hour count. The expansion factor was applied to data from the three days before and after each 24 hour count by multiplying each days 18 hour total by the 24 hour expansion factor, and adding that number to the 18 hour count for each day. This expansion was done for all species counted. For the period beginning 1 August and ending at 0800 hours on 19 August the counts were expanded to 24 hour counts by calculating a value for each hour not counted. This value was derived

by adding the count for each hour of the day before to the count for each hour of the day after and dividing by two. The change in counting schedule on 1 August created a block of time from 0800 to 1100 on 1 August that could not be expanded using this method, for this four hour segment the values for the same time period on 2 August were used. For the period beginning at 0800 hours 19 August and ending 6 September the counts were expanded to 24 hour counts by calculating a value for each hour not counted. This value was derived by adding the count for each hour of the nearest day before to the count for each hour of the nearest day after and dividing by two. Because the counting season ended on 6 September at 1200, no expansion was made for the rest of that day.

Scales were taken, lengths measured, and sex identified from 48 chum salmon that were collected in conjunction with eggtakes for the Nome River Salmon Restoration project.

The crew attempted to seine coho salmon to collect age, sex, and length information, but they were not successful.

RESULTS

Table 1 shows the expanded daily and cumulative totals for each species.

The expanded counts were: 5,092 chum salmon, 13,890 pink salmon, 5 king salmon, 1,650 coho salmon, and 1,380 Dolly Varden (Tables 2-14). The reported total hourly counts were: 4,934 chum salmon, 10,058 pink salmon, 4 king salmon, 1,349 coho salmon, and 920 Dolly Varden (Tables 15-19). Figure 2 shows a graph of the cumulative expanded passage of all species counted. Figures 3-12 show graphs of the expanded daily totals and the cumulative expanded daily totals for each species counted .

Counting began on 22 June. Chum salmon were first observed on 27 June, pink salmon were first observed nine days later on 6 July, king salmon were first observed on 8 July, coho salmon were first observed on 25 July, and Dolly Varden were observed throughout the counting season (Table 1). The daily peak of 459 chum salmon occurred on 21 July, the daily peak of 1,792 pink salmon occurred on 29 July, the daily peak of 194 coho salmon occurred on 22 August, and the daily peak of 140 Dolly Varden occurred on 27 June (Table 1). Most chum salmon returned during the four week period from 6 July to 3 August when 93% passed the tower (Table 1 and Figures 3 and 4). Most pink salmon returned during the four week period from 20 July to 17 August when 97% passed the tower (Table 1 and Figures 4 and 5). Most coho salmon returned during the four week period from 4 August to 1 September when 98% passed the tower (Table 1 and Figures 9 and 10). The percentage passage during the four week peak period for chum salmon was lower than for pink and coho salmon because the overall chum return lasted longer (Table 1). Dolly Varden passed the tower throughout the counting season and showed three peaks of migration - one on 27 June, another on 9 August, and the last on 2 September (Table 1 and Figures 11 and 12).

All species counted, except king salmon, exhibited a diurnal pattern of migration past the counting tower. Most chum salmon migration occurred during the hour from midnight to 0100, when 25% passed the tower (Table 4). During the three hour period from midnight through 0200 hours, 55% of the chum salmon passed the tower (Table 4). During the nine hour period from 1900 through 0300 hours, 91.8% of all chum salmon passed the tower (Table 4). There was a -7.6% downstream migration of chum salmon during the six hour period from 0600 through 1200 hours (Table 4). Most pink salmon migration occurred during the hour from 0100 to 0200 hours, when 27.9% passed the tower (Table 7). During the three hour period from midnight through 0200 hours, 57.9% of the pink salmon passed the tower (Table 7). During the nine hour period from 1900 through 0300 hours 91.2% of all pink salmon passed the tower (Table 7). There was a -1.0% downstream migration of pink salmon during the two hour period from 0400 through 0500 hours (Table 7). The expanded count of king salmon was five for the entire season (Table 8). Most coho salmon migration occurred during the hour from 0100 to 0200, when 23.6% passed the tower (Table 11). During the four hour period from midnight through 0300 hours, 69.2% of the coho salmon passed the tower (Table 11). During the seven hour period from 2100 through 0300 hours, 92.4% of all coho salmon passed the tower (Table 11). There was a -5.3% downstream migration of coho salmon during the seven hour period from 0500 through 1200 hours (Table 11). Most Dolly Varden migration occurred during the hour from midnight to 0100, when 27.1% passed the tower (Table 14). During the seven hour period from 2100 through 0300 hours, 81.3% of all Dolly Varden passed the tower (Table 14). There was a -7.4% downstream migration of Dolly Varden during the hour from 0500 to 0600. Since 1982 Alaska has been consolidated into one time zone and as a result the time in the Nome area is approximately three and one half hours ahead of sun time during the summer months, this means that the sun reaches it's zenith at approximately 1530 hours according to the clock instead of at noon. All times recorded and mentioned in this report are Alaska Daylight Savings Time, but the real hours of peak passage are from 1600 - 2400 hours sun time.

Analysis of the chum salmon scale samples collected on 24 July, 1995 showed that 29.2% of the fish sampled were age-0.3 and 70.8% were age-0.4 (Table 20).

Climatological and stream observations are shown in Table 21.

DISCUSSION

This was the third year of operation for the Nome River tower project. The project ran well this year and provided timely escapement information. River conditions this year were excellent with generally low water levels (Table 21).

Effective on 25 August the Nome Subdistrict and the Pilgrim River were closed to subsistence fishing and sport fishing was closed for coho salmon fishing on the marine and freshwaters from and including the Cripple to the Solomon Rivers and the Pilgrim

River. Data provided by this project and by aerial surveys of the Nome River and the other area rivers documented a weak return of coho salmon.

A peak aerial survey count of 1,855 chum salmon was made on 22 July, 1995. The total tower count of chum salmon was 5,092 (Table 1). The peak aerial survey counted 36.4% of the total tower count of chum salmon. The peak aerial survey also counted 1,030 chum salmon above the counting tower on 22 July, when the cumulative tower count of chum salmon was 3,115 (Table 1). The peak aerial survey counted 33.1% of the cumulative tower count on 22 July.

A peak aerial survey count of 517 coho salmon was made on 28 August, 1995. The total tower count of coho salmon was 1,650 (Table 1). The peak aerial survey counted 31.3% of the total tower count of coho salmon. The peak aerial survey also counted 410 coho salmon above the counting tower on 28 August, when the cumulative tower count of coho salmon was 1,431 (Table 1). The peak aerial survey counted 28.6% of the cumulative tower count on 28 August.

The Nome River counting tower operated from 25 July to 28 August in 1993. The returns were less during the same time period in 1995 for all species. In 1993 the expanded count of chum salmon was 1,566, during the same time period in 1995 the count was 924 chum salmon. In 1993 the expanded count of pink salmon was 13,034, during the same time period in 1995 the count was11,660 pink salmon. In 1993 the expanded count of king salmon was 63, during the same time period in 1995 the count was 0 king salmon. In 1993 the expanded count of coho salmon was 4,349, during the same time period in 1995 the count was 1,429 coho salmon. In 1993 the expanded count of Dolly Varden was 1,353, (Dolly Varden were only counted from 5 August to 28 August 1993), during the same time period in 1995 the count was 728 Dolly Varden. (Table 1 and Bue, 1994).

The Nome River counting tower operated from 24 June to 15 August 1994. The returns of king, pink and coho salmon were less and the returns of chum salmon and Dolly Varden were greater during the same time period in 1995. In 1994 the expanded count of chum salmon was 2,969, during the same time period in 1995 the count was 5,056 chum salmon. In 1994 the expanded count of pink salmon was 142,604, during the same time period in 1995 the count was 13,311 pink salmon. In 1994 the expanded count of king salmon was 41, during the same time period in 1995 the count was 5 king salmon. In 1994 the expanded count of coho salmon was 1,283, during the same time period in 1995 the count was 423 chum salmon. In 1994 the expanded count of Dolly Varden was 170, during the same time period in 1995 the count was 985 Dolly Varden. (Table 1 and Bue, In press).

In the future one counting schedule should be maintained throughout the entire season. This year's changing schedule created unnecessary complexity and made it much more difficult to expand the counts and present them in a coherent and consistent manner.

One crewmember slipped while climbing the tower and sustained a back injury. Non-skid material applied to the tower rungs should alleviate this hazard.

ACKNOWLEDGEMENTS

The crew leader for the entire season was Paul Thompson. Alexa Martinson worked from 19 June to 13 July, Eva Oyoumick worked from 13 July to 16 August, and Patrick Houghton worked from 16 August until 8 September. Earlier drafts of this report were reviewed by Larry Bucklis and Jeff Bromaghin.

LITERATURE CITED

Bue, F. 1994. Nome River Salmon Counting Tower Project Summary Report, 1993. ADF&G, CFM&D Division, AYK Region, Regional Information Report No. 3A94-26.

Bue, F. In press. Nome River Salmon Counting Tower Project Summary Report, 1994.

Table 1. Expanded daily and cumulative migration of all species past the Nome River counting tower, Norton Sound, 1995.

Date	Daily chum salmon	Cumulative chum salmon	Daily pink salmon	Cumulative pink salmon	Daily king salmon	Cumulative king salmon	Daily coho salmon	Cumulative coho salmon	Daily Dolly Varden	Cumulative Dolly Varden
22-Jun	0	0	0	0	0	0	0	0	10	10
23-Jun	0	0	0	0	0	0	0	0	-10	0
24-Jun	0	0	0	0	0	0	0	0	73	73
25-Jun	0	0	0	0	0	0	0	0	53	125
26-Jun	0	0	0	0	0	0	0	0	10	135
27-Jun	4	4	0	0	0	0	0	0	140	275
28-Jun	-4	0	0	0	0	0	0	0	-60	215
29-Jun	0	0	0	0	0	0	0	0	90	305
30-Jun	16	16	0	0	0	0	0	0	-75	230
1-Jul	25	41	0	0	0	0	0	0	-1	229
2-Jul	0	41	0	0	0	0	0	0	1	230
3-Jul	-40	1	0	0	0	0	0	0	20	250
4-Jul	11	12	0	0	0	0	0	0	25	275
5-Jul	5	17	0	0	0	0	0	0	30	305
6-Jul	331	348	36	36	0	0	0	0	10	315
7-Jul	256	604	2	38	0	0	0	0	8	323
8-Jul	67	671	31	69	2	2	0	0	0	323
9-Jul	36	706	18	86	1	3	0	0	2	325
10-Jul	128	834	22	108	0	3	0	0	4	329
11-Jul	116	950	32	140	0	3	0	0	24	353
12-Jul	314	1,264	38	178	0	3	0	0	36	389
13-Jul	420	1,684	54	232	0	3	0	0	2	391
14-Jul	190	1,874	46	278	0	3	0	0	24	415
15-Jul	121	1,995	25	303	0	3	0	0	32	447
16-Jul	216	2,211	96	398	0	3	0	0	0	447
17-Jul	-5	2,206	-31	368	0	3	0	0	3	450
18-Jul	7	2,213	-32	336	0	3	0	0	7	457
19-Jul	40	2,253	16	352	0	3	0	0	0	457
20-Jul	292	2,545	91	442	0	3	0	0	4	461
21-Jul	459	3,004	290	732	2	5	0	0	4	465
22-Jul	111	3,115	160	892	0	5	0	0	-4	461
23-Jul	328	3,443	705	1,597	0	5	0	0	10	471
24-Jul	155	3,598	319	1,916	0	5	0	0	8	479
25-Jul	128	3,726	278	2,194	0	5	2	2	13	492
26-Jul	220	3,946	380	2,574	0	5	1	3	14	506
27-Jul	212	4,158	988	3,562	0	5	0	3	22	528
28-Jul	82	4,240	980	4,541	0	5	0	3	14	542
29-Jul	104	4,344	1,792	6,334	0	5	0	3	12	55
30-Jul	186	4,530	1,307	7,640	0	5	4	7	32	F
31-Jul	55	4,585	886	8,526	0	5	0	7	17	

- continued -

Table 1. (Page 2 of 2)

Date	Daily chum salmon	Cumulative chum salmon	Daily pink salmon	Cumulative pink salmon	Daily king salmon	Cumulative king salmon	Daily coho salmon	Cumulative coho salmon	Daily Dolly Varden	Cumulative Dolly Varden
1-Aug	45	4,630	661	9,187	0	5	0	7	15	618
2-Aug	46	4,676	643	9,830	0	5	0	7	12	630
3-Aug	44	4,720	520	10,350	0	5	0	7	7	637
4-Aug	49	4,769	414	10,764	0	5	7	14	7	644
5-Aug	53	4,822	312	11,076	0	5	15	29	8	652
6-Aug	37	4,859	263	11,339	0	5	15	44	6	658
7-Aug	23	4,882	182	11,521	0	5	14	58	4	662
8-Aug	33	4,915	219	11,740	0	5	40	98	38	700
9-Aug	43	4,958	299	12,039	0	5	65	163	72	772
10-Aug	25	4,983	266	12,305	0	5	48	211	43	815
11-Aug	15	4,998	247	12,552	0	5	32	243	38	853
12-Aug	15	5,013	221	12,773	0	5	34	277	30	883
13-Aug	17	5,030	207	12,980	0	5	38	315	22	905
14-Aug	15	5,045	182	13,162	0	5	50	365	34	939
15-Aug	11	5,056	149	13,311	0	5	58	423	46	985
16-Aug	7	5,063	120	13,431	0	5	47	470	39	1,024
17-Aug	4	5,067	93	13,524	0	5	38	508	31	1,055
18-Aug	1	5,068	64	13,588	0	5	42	550	17	1,072
19-Aug	4	5,072	80	13,668	0	5	59	609	8	1,080
20-Aug	0	5,072	42	13,710	0	5	49	658	4	1,084
21-Aug	0	5,072	19	13,729	0	5	55	713	6	1,090
22-Aug	2	5,074	19	13,748	0	5	194	907	-4	1,086
23-Aug	0	5,074	32	13,780	0	5	82	989	16	1,102
24-Aug	-1	5,073	14	13,794	0	5	159	1,148	5	1,107
25-Aug	1	5,074	10	13,804	0	5	101	1,249	27	1,134
26-Aug	2	5,076	12	13,816	0	5	78	1,327	-9	1,125
27-Aug	1	5,077	15	13,831	0	5	49	1,376	-12	1,113
28-Aug	5	5,082	23	13,854	0	5	55	1,431	19	1,132
29-Aug	5	5,087	11	13,865	0	5	13	1,444	41	1,173
30-Aug	3	5,090	3	13,868	0	5	55	1,499	3	1,176
31-Aug	6	5,096	18	13,886	0	5	123	1,622	32	1,208
1-Sep	-1	5,095	6	13,892	0	5	-1	1,621	52	1,260
2-Sep	-1	5,094	-2	13,890	0	5	24	1,645	77	1,337
3-Sep	-4	5,090	-2	13,888	0	5	-1	1,644	9	1,346
4-Sep	0	5,090	2	13,890	0	5	4	1,648	26	1,372
5-Sep	0	5,090	0	13,890	0	5	-12	1,636	12	1,384
6-Sep	2	5,092	0	13,890	0	5	14	1,650	-4	1,380

Table 2. Expanded daily hourly chum salmon migration past the Nome River counting tower, Norton Sound, 22 June to 31July, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600-1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jun	Start of the counting season							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
23-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
24-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
25-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
26-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
27-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0.1%
28-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	-2	0	-4	-0.1%
29-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
30-Jun	0	-2	0	0	2	8	-2	8	0	0	0	0	0	0	0	2	0	0	0	16	0.3%
1-Jul	0	0	6	0	0	14	-2	0	0	0	0	0	0	0	0	8	0	-1	0	25	0.5%
2-Jul	-2	2	-6	-8	-5	7	0	0	0	0	0	0	0	0	0	14	0	-2	0	0	0.0%
3-Jul	-4	4	-18	-16	-10	0	4	0	0	0	0	0	0	0	0	0	0	0	0	-40	-0.8%
4-Jul	0	14	2	0	-2	0	-1	0	0	0	0	0	0	0	0	0	0	0	-2	11	0.2%
5-Jul	2	0	0	0	4	2	-1	0	0	0	0	0	0	0	0	0	-2	0	0	5	0.1%
6-Jul	2	0	0	-2	30	0	-33	0	32	-4	2	6	28	48	58	108	0	0	56	331	6.5%
7-Jul	48	8	14	28	14	2	8	32	6	-2	4	18	4	8	22	10	20	-4	16	256	5.0%
8-Jul	-14	-12	18	-20	16	0	2	8	6	-4	0	12	0	15	21	5	10	-2	6	67	1.3%
9-Jul	-7	-6	9	-14	7	-1	1	4	3	0	2	6	0	15	21	0	0	0	-4	36	0.7%
10-Jul	0	0	0	-8	-2	-2	4	0	0	4	4	0	0	-2	4	16	64	16	30	128	2.5%
11-Jul	32	56	42	0	-40	0	4	0	-2	-2	0	0	0	4	0	0	24	0	-2	116	2.3%
12-Jul	90	68	24	0	18	0	10	0	0	0	8	0	0	4	0	34	10	0	48	314	6.2%
13-Jul	358	14	12	2	0	0	13	-6	0	-2	0	3	8	0	6	0	8	-2	6	420	8.3%
14-Jul	4	4	12	18	22	8	6	16	4	20	6	6	8	0	2	12	14	0	28	190	3.7%
15-Jul	16	28	44	2	-2	0	-43	2	6	0	26	0	12	2	2	16	0	10	0	121	2.4%
16-Jul	136	46	16	14	16	14	-75	5	2	30	14	-2	-2	-2	4	0	-4	2	2	216	4.2%
17-Jul	-16	-10	-24	-10	10	6	2	5	2	20	7	-1	-1	1	2	0	1	0	1	-5	-0.1%
18-Jul	5	-3	-9	-4	-3	4	-3	0	2	10	0	0	0	4	0	0	6	-2	0	7	0.1%
19-Jul	26	4	6	2	-16	2	-14	2	-4	2	-2	0	0	0	0	0	-2	26	8	40	0.8%
20-Jul	62	72	30	42	14	28	-102	2	0	6	2	4	2	0	4	8	46	8	64	292	5.7%
21-Jul	126	126	110	134	24	24	-161	2	12	6	0	0	2	0	0	8	52	0	-6	459	9.0%
22-Jul	24	44	36	2	6	2	-39	0	2	0	0	0	0	2	26	0	-4	8	2	111	2.2%

- continued -

Table 2. (Page 2 of 2).

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600-1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
23-Jul	52	30	78	38	-8	12	0	0	0	0	2	2	0	12	12	50	0	20	28	328	6.4%
24-Jul	2	16	28	28	4	2	0	-2	1	-1	2	1	0	5	7	25	7	12	18	155	3.0%
25-Jul	32	22	27	23	2	-2	0	-4	2	-2	2	0	0	-2	2	0	14	4	8	128	2.5%
26-Jul	62	28	26	18	0	-6	0	2	2	2	2	0	4	4	2	10	12	6	46	220	4.3%
27-Jul	36	92	40	10	18	-2	0	-2	-4	-2	0	0	-2	2	-2	4	4	10	10	212	4.2%
28-Jul	18	20	6	18	8	4	0	0	2	0	-2	0	0	-2	0	0	4	6	0	82	1.6%
29-Jul	8	28	18	10	-14	2	0	2	0	0	0	-2	-2	-2	4	0	6	4	42	104	2.0%
30-Jul	46	48	28	20	12	16	0	0	0	0	0	-2	-2	-2	0	4	6	0	12	186	3.7%
31-Jul	12	6	24	0	-2	10	0	0	0	-1	0	-2	-1	-2	0	3	3	1	4	55	1.1%
SubTotal	1,156	747	599	327	123	154	-422	76	74	80	79	49	58	111	197	337	297	122	421	4,585	

Table 3. Expanded daily hourly chum salmon migration past the Nome River counting tower, Norton Sound, 1 August to 18 August, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
1-Aug	17	9	15	6	-4	4	2	0	0	6	0	-4	0	0	-2	0	-2	0	-2	0	2	0	2	-4	45	0.9%
2-Aug	17	9	15	6	-4	4	2	0	0	6	0	-4	0	0	-2	0	-2	0	-1	0	0	2	0	-2	46	0.9%
3-Aug	22	12	6	12	-6	-2	2	0	0	2	1	-2	0	0	-1	0	-2	0	0	0	-2	4	-2	0	44	0.9%
4-Aug	10	19	5	10	-1	-3	2	2	0	-2	2	0	0	0	0	0	0	-1	0	0	-2	2	2	4	49	1.0%
5-Aug	-2	26	4	8	4	-4	2	4	0	0	0	0	0	0	0	-1	2	-2	0	0	-2	0	6	8	53	1.0%
6-Aug	3	12	4	7	4	-6	1	0	0	2	-2	0	0	0	0	-2	3	-1	0	1	-1	1	5	6	37	0.7%
7-Aug	8	-2	4	6	4	-8	0	-4	0	1	-1	0	0	0	0	-1	4	0	0	2	0	2	4	4	23	0.5%
8-Aug	9	3	2	2	3	-3	2	-2	0	0	0	0	0	0	0	0	2	-1	0	5	0	1	3	7	33	0.6%
9-Aug	10	8	0	-2	2	2	4	0	0	0	0	0	0	1	0	0	0	-2	0	8	0	0	2	10	43	0.8%
10-Aug	0	4	1	-1	2	1	2	0	0	0	0	0	0	2	0	0	1	-1	0	4	0	0	2	8	25	0.5%
11-Aug	0	0	2	0	2	0	0	0	0	-1	0	0	1	1	0	0	2	0	0	0	0	0	2	6	15	0.3%
12-Aug	2	0	1	0	2	0	3	1	0	-2	0	0	2	0	0	0	1	1	0	0	0	0	1	3	15	0.3%
13-Aug	4	0	0	0	2	0	6	2	0	-1	0	0	1	1	0	0	0	2	0	0	0	0	0	0	17	0.3%
14-Aug	4	2	0	0	1	0	3	1	0	0	0	0	0	2	0	0	1	1	0	0	0	0	1	-1	15	0.3%
15-Aug	4	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	0	0	0	0	0	2	-2	11	0.2%
16-Aug	3	2	3	0	-1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	1	-1	7	0.1%
17-Aug	2	0	6	0	-2	0	0	2	0	0	0	0	0	0	0	0	-2	0	0	0	0	-2	0	0	4	0.1%
18-Aug	1	0	3	0	-1	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	-1	0	0	1	0.0%
Subtotal	114	108	71	54	7	-15	31	7	0	11	0	-10	4	8	-5	-4	9	-4	-3	20	-5	8	31	46	483	

0600 - 1100 subtotal = 39

Table 4. Expanded daily hourly chum salmon migration past the Nome River counting tower, Norton Sound, 19 August to 6 September, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
19-Aug	1	0	3	0	-1	2	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	4	0.08%
20-Aug	0	0	0	0	0	1	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
21-Aug	0	0	0	0	0	1	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
22-Aug	0	2	0	2	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.04%
23-Aug	0	0	0	2	0	0	0	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
24-Aug	0	0	0	0	0	0	0	-1	-1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	-1	-0.02%
25-Aug	0	0	0	2	0	0	0	0	-2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0.02%
26-Aug	0	-2	2	0	0	0	1	0	-1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0.04%
27-Aug	0	0	0	0	0	0	1	0	-1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0.02%
28-Aug	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	5	0.10%
29-Aug	0	2	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.10%
30-Aug	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0.06%
31-Aug	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	6	0.12%
1-Sep	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-0.02%
2-Sep	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-0.02%
3-Sep	0	0	0	-2	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-4	-0.08%
4-Sep	0	0	0	0	0	-1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
5-Sep	0	0	0	0	0	-1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
6-Sep	0	0	0	0	0	0	0	2	0	0	0	0	0	End of counting season											2	0.04%
Subtotal	3	2	7	6	-1	-2	6	-2	-6	0	0	0	0	0	6	0	-1	0	0	0	0	6	0	0	24	
							0600-1100 Sub Total =				-2															
									0600-1100 Totals																	
Total	1,273	857	677	387	129	137			-385				80	82	81	75	57	54	108	217	332	311	153	467	5,092	
	25.0%	16.8%	13.3%	7.6%	2.5%	2.7%			-7.6%				1.6%	1.6%	1.6%	1.5%	1.1%	1.1%	2.1%	4.3%	6.5%	6.1%	3.0%	9.2%	100%	

Table 5. Expanded daily hourly pink salmon migration past the Nome River counting tower, Norton Sound, 22 June to 31 July, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600-1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jun	Start of counting season							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
23-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
24-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
25-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
26-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
27-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
28-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
29-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
30-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
1-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
2-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
3-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
4-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
5-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
6-Jul	0	0	0	0	0	0	0	0	8	0	4	4	0	8	6	8	0	0	-2	36	0.3%
7-Jul	4	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	4	-4	0	2	0.0%
8-Jul	2	-4	24	0	2	0	0	0	0	0	0	2	0	2	3	0	2	-2	0	31	0.2%
9-Jul	1	-2	12	0	1	0	0	0	0	0	0	1	0	2	3	0	0	0	0	18	0.1%
10-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	6	0	-4	22	0.2%
11-Jul	0	6	10	0	0	0	0	0	0	0	6	0	2	0	4	0	4	0	0	32	0.2%
12-Jul	4	10	6	0	0	0	0	0	0	0	2	0	0	0	2	2	8	0	4	38	0.3%
13-Jul	40	6	2	2	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	54	0.4%
14-Jul	0	4	2	-4	0	2	0	18	0	14	4	0	0	2	0	4	0	2	-2	46	0.3%
15-Jul	6	12	8	0	-12	0	-3	-2	2	0	6	0	2	0	2	8	0	-4	0	25	0.2%
16-Jul	16	34	8	4	0	12	-12	4	2	4	14	0	0	-2	2	6	-2	-4	10	96	0.7%
17-Jul	8	-4	-20	-26	0	-2	4	4	2	3	7	0	0	-1	1	-2	-2	-1	-1	-31	-0.2%
18-Jul	8	-1	-2	-14	-4	-7	4	0	4	2	0	0	0	0	0	-10	-2	2	-12	-32	-0.2%
19-Jul	8	2	16	-2	-8	-12	-2	0	0	2	0	0	0	0	0	0	0	14	-2	16	0.1%
20-Jul	12	48	10	10	0	-6	-11	0	0	0	0	0	0	0	2	4	16	-2	8	91	0.7%
21-Jul	40	114	46	66	-12	4	-36	0	10	0	0	0	2	0	4	8	42	4	-2	290	2.1%
22-Jul	14	62	80	2	-2	-2	-20	0	2	0	-2	-10	0	2	20	-4	-2	12	8	160	1.2%

- continued -

Table 5. (Page 2 of 2).

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600-1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
23-Jul	180	162	90	32	-2	4	37	0	0	0	8	2	-6	72	20	32	10	30	34	705	5.1%
24-Jul	16	76	16	38	8	4	17	3	2	1	7	1	-3	37	16	21	10	22	27	319	2.3%
25-Jul	45	65	51	26	-6	-4	15	6	4	2	6	0	0	2	12	10	10	14	20	278	2.0%
26-Jul	74	54	86	14	-20	-12	20	0	0	6	4	0	8	4	4	26	30	12	70	380	2.7%
27-Jul	144	350	48	0	-12	-24	52	0	0	4	0	2	10	2	0	22	10	172	208	988	7.1%
28-Jul	268	338	34	6	12	0	52	10	2	8	0	0	0	4	2	8	40	140	56	980	7.1%
29-Jul	106	398	52	6	-16	8	94	4	2	0	-2	6	14	8	102	6	50	74	880	1,792	12.9%
30-Jul	452	292	44	90	20	22	69	2	0	0	-6	2	6	2	6	12	64	100	130	1,307	9.4%
31-Jul	16	400	184	8	12	10	47	5	2	2	-2	2	4	3	4	9	37	54	89	886	6.4%
SubTotal	1,464	2,422	807	258	-41	-3	325	54	41	48	56	12	39	149	214	190	335	637	1,519	8,526	

Table 6. Expanded daily hourly pink salmon migration past the Nome River counting tower, Norton Sound, 1 August to 18 August, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
1-Aug	152	261	110	2	-2	2	0	10	16	6	0	4	8	4	4	2	2	2	4	2	6	10	8	48	661	4.8%
2-Aug	152	261	110	2	-2	2	0	10	16	6	0	4	8	4	4	2	0	3	4	1	3	15	11	27	643	4.6%
3-Aug	288	122	36	-4	-16	-6	0	10	4	21	-1	4	6	2	2	6	-2	4	4	0	0	20	14	6	520	3.7%
4-Aug	150	132	24	16	-2	2	5	10	-8	36	-2	4	4	0	0	10	-4	1	3	0	2	10	9	12	414	3.0%
5-Aug	12	142	12	36	12	10	10	10	-2	21	2	4	2	2	3	16	-6	-2	2	0	4	0	4	18	312	2.2%
6-Aug	25	74	15	30	8	-12	4	3	4	6	6	4	0	4	6	22	2	0	2	0	5	25	9	21	263	1.9%
7-Aug	38	6	18	24	4	-34	-2	-4	2	3	2	0	0	3	3	11	10	2	2	0	6	50	14	24	182	1.3%
8-Aug	30	25	28	25	16	-14	5	-14	0	0	-2	-4	0	2	0	0	5	9	2	22	7	34	12	31	219	1.6%
9-Aug	22	44	38	26	28	6	12	-24	1	5	-1	-1	1	4	1	1	0	16	2	44	8	18	10	38	299	2.2%
10-Aug	8	27	45	21	6	-4	3	-12	2	10	0	2	2	6	2	2	0	10	0	22	4	11	50	49	266	1.9%
11-Aug	32	10	52	16	-16	-14	-6	0	2	10	-1	-1	1	1	1	4	0	4	-2	0	0	4	90	60	247	1.8%
12-Aug	35	49	33	2	-2	-2	1	-1	2	10	-2	-4	0	-4	0	6	0	2	0	6	2	1	54	33	221	1.6%
13-Aug	38	88	14	-12	12	10	8	-2	3	6	2	-2	0	-1	0	3	0	0	2	12	4	-2	18	6	207	1.5%
14-Aug	36	64	21	-14	4	-5	5	-3	4	2	6	0	0	2	0	0	0	1	3	9	12	14	15	6	182	1.3%
15-Aug	34	40	28	-16	-4	-20	2	-4	2	1	5	-2	3	0	0	0	0	2	4	6	20	30	12	6	149	1.1%
16-Aug	19	29	34	-8	-8	-12	-1	0	0	0	4	-4	6	-2	0	0	8	6	2	7	11	14	9	6	120	0.9%
17-Aug	4	18	40	0	-12	-4	-4	4	-1	-1	2	-2	3	-1	1	0	16	10	0	8	2	-2	6	6	93	0.7%
18-Aug	14	13	22	2	-8	-2	0	2	-2	-2	0	0	0	0	2	0	8	5	0	2	1	-1	3	5	64	0.5%
Subtotal	1,089	1,405	680	148	18	-97	42	-5	45	140	20	6	44	26	29	85	39	75	34	141	97	251	348	402	5,062	

0600-1100 Sub Total = 248

Table 7. Expanded daily hourly pink salmon migration past the Nome River counting tower, Norton Sound, 19 August to 6 September, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
19-Aug	14	13	22	2	-8	0	4	0	-2	0	0	0	0	4	1	0	8	5	0	2	1	4	8	2	80	0.6%
20-Aug	24	8	4	4	-4	-1	2	0	-1	-1	0	0	-1	8	0	0	0	0	0	-4	0	0	0	4	42	0.3%
21-Aug	2	4	-2	0	2	-1	2	0	-1	-1	0	0	-1	4	0	0	-1	0	1	-3	-2	2	4	10	19	0.1%
22-Aug	4	10	0	4	2	-2	0	0	0	-2	0	0	-2	4	0	0	-1	0	1	-3	-2	0	8	-2	19	0.1%
23-Aug	8	0	12	0	6	-2	0	1	0	-2	0	-1	0	0	0	0	-2	0	2	-2	-4	16	0	0	32	0.2%
24-Aug	10	0	0	2	0	-2	0	1	0	-2	0	-1	0	0	4	0	-1	0	1	-1	-1	2	0	2	14	0.1%
25-Aug	14	0	-2	2	-2	-2	0	2	0	-2	0	-2	2	0	4	0	-1	0	1	-1	-1	-2	-2	2	10	0.1%
26-Aug	0	0	-2	2	4	-1	1	1	0	-1	0	-1	1	0	8	0	0	0	0	0	2	-4	0	2	12	0.1%
27-Aug	6	0	-2	0	0	-1	1	1	0	-1	0	-1	1	0	2	0	0	1	0	-1	1	6	0	2	15	0.1%
28-Aug	6	8	2	0	0	0	2	0	0	0	0	0	0	0	2	0	0	1	0	-1	1	2	0	0	23	0.2%
29-Aug	4	0	0	4	0	-1	1	0	0	0	0	1	0	0	-4	0	0	2	0	-2	0	2	2	2	11	0.1%
30-Aug	0	0	2	0	0	-1	1	0	0	0	0	1	0	0	-2	0	0	1	0	-1	0	2	0	0	3	0.0%
31-Aug	4	2	0	0	2	-2	0	0	0	0	0	2	0	0	-2	0	0	1	0	-1	0	10	0	2	18	0.1%
1-Sep	0	2	-2	0	2	-1	0	0	0	0	0	1	0	0	0	0	0	0		0	0	0	4	0	6	0.0%
2-Sep	0	0	0	0	-2	-1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	-2	0.0%
3-Sep	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	0.0%
4-Sep	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	0	0	2	0.0%
5-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
6-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	End of counting season											0	0.0%
Subtotal	94	51	32	20	2	-18	14	6	-4	-12	0	0	0	20	13	0	2	11	6	-18	-5	38	24	26	302	
							0600-1100 Sub Total =				4															
									0600-1100 Totals																	
Total	2,647	3,878	1,519	426	-21	-118			577				98	87	90	141	53	125	189	337	282	624	1,009	1,947	13,890	
	19.1%	27.9%	10.9%	3.1%	-0.2%	-0.8%			4.2%				0.7%	0.6%	0.6%	1.0%	0.4%	0.9%	1.4%	2.4%	2.0%	4.5%	7.3%	14.0%	100%	

Table 8. Expanded daily hourly king salmon migration past the Nome River counting tower, Norton Sound, 22 June to 31 July, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600-1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jun			Start of counting season					0	0	0	0	0	0	0	0	0	0	0	0	0	0%
23-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
24-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
25-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
26-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
27-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
28-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
29-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
30-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
1-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
2-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
3-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
4-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
5-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
6-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
7-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
8-Jul	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	40%
9-Jul	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	20%
10-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
11-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
12-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
13-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
14-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
15-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
16-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
17-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
18-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
19-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
20-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
21-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	40%
22-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%

- continued -

Table 8. (Page 2 of 2).

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600-1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
23-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
24-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
25-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
26-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
27-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
28-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
29-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
30-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
31-Jul	0	0	0	0	0	0	0	0	0	No kings observed after this date, counting season ended 6 September										0	0%
Totals =	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	0	0	5	
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	0%	0%	0%	0%	40%	0%	0%		

Table 9. Expanded daily hourly coho salmon migration past the Nome River counting tower, Norton Sound, 19 July to 31 July, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600-1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
19-Jul	0	0	0	Counting season started 22 June - no coho observed before this date								0	0	0	0	0	0	0	0	0	0.0%
20-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
21-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
22-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
23-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
24-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
25-Jul	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0.1%
26-Jul	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0.1%
27-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
28-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
29-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
30-Jul	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	4	0.2%
31-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
SubTotal	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	2	0	0	7	

Table 10. Expanded daily hourly coho salmon migration past the Nome River counting tower, Norton Sound, 1 August to 18 August, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
1-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
2-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
3-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
4-Aug	0	2	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0.4%
5-Aug	0	4	2	2	2	0	2	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	15	0.9%
6-Aug	2	2	2	2	1	-1	1	1	0	0	0	0	0	0	0	2	1	0	0	0	0	1	1	0	15	0.9%
7-Aug	4	0	2	2	0	-2	0	0	1	0	0	0	0	0	0	1	2	0	0	0	0	2	2	0	14	0.8%
8-Aug	4	8	5	2	6	0	1	0	2	0	0	0	0	0	0	0	1	2	-1	0	1	1	1	7	40	2.4%
9-Aug	4	16	8	2	12	2	2	0	1	0	0	0	0	0	0	0	0	4	-2	0	2	0	0	14	65	3.9%
10-Aug	6	9	9	1	6	1	1	0	0	0	0	0	0	0	0	0	0	2	-1	0	1	0	4	9	48	2.9%
11-Aug	8	2	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	4	32	1.9%
12-Aug	5	5	7	2	3	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	7	2	34	2.1%
13-Aug	2	8	4	4	6	2	0	0	2	0	0	0	0	0	0	0	0	4	0	0	0	0	6	0	38	2.3%
14-Aug	7	9	4	5	3	1	0	0	4	0	0	0	0	0	0	0	0	2	0	0	3	4	5	3	50	3.0%
15-Aug	12	10	4	6	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	6	8	4	6	58	3.5%
16-Aug	6	9	12	9	0	-1	-1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	4	2	3	47	2.8%
17-Aug	0	8	20	12	0	-2	-2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	2.3%
18-Aug	5	15	15	7	-1	-1	0	3	0	0	0	0	0	0	0	0	-2	0	0	0	1	0	0	0	42	2.5%
Subtotal	65	107	105	57	39	0	5	10	12	0	0	0	0	0	0	4	2	16	-4	0	17	20	40	48	543	

0600-100 Sub Total = 27

Table 11. Expanded daily hourly coho salmon migration past the Nome River counting tower, Norton Sound, 19 August to 6 September, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
19-Aug	5	15	15	7	-1	2	4	8	0	0	0	0	0	0	1	0	-2	0	0	0	1	4	0	0	59	3.6%
20-Aug	10	22	10	2	-2	0	1	4	0	0	0	1	1	0	2	0	-4	0	0	0	2	0	0	0	49	3.0%
21-Aug	0	14	6	0	-2	0	1	4	0	0	0	1	1	0	1	0	-2	0	0	0	1	2	2	26	55	3.3%
22-Aug	18	50	44	60	0	-2	-2	0	0	0	0	2	2	0	1	0	-2	0	0	0	1	0	22	0	194	11.8%
23-Aug	6	14	40	10	8	-5	-1	-2	0	0	0	1	1	0	0	0	0	0	0	0	0	10	0	0	82	5.0%
24-Aug	36	32	8	12	10	-5	-1	-2	0	0	0	1	1	0	0	0	0	8	1	0	0	30	0	28	159	9.6%
25-Aug	48	16	18	12	6	-8	0	-4	0	0	0	0	0	0	0	0	0	8	1	0	0	0	0	4	101	6.1%
26-Aug	24	24	6	10	-4	-1	0	-2	0	2	-1	0	2	0	0	0	0	16	2	0	0	0	0	0	78	4.7%
27-Aug	4	18	-2	-2	0	-1	0	-2	0	2	-1	0	2	0	0	0	0	8	1	0	0	22	0	0	49	3.0%
28-Aug	6	10	4	2	4	6	0	0	0	4	-2	0	4	0	0	0	0	8	1	0	0	8	0	0	55	3.3%
29-Aug	0	0	4	2	1	2	-1	0	0	2	-1	0	2	0	0	0	0	0	0	0	0	2	0	0	13	0.8%
30-Aug	2	12	2	0	16	2	-1	0	0	2	-1	0	2	0	0	0	0	0	3	0	0	8	0	8	55	3.3%
31-Aug	34	18	0	-2	4	-2	-2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	70	0	0	123	7.5%
1-Sep	4	0	-2	2	6	-8	-1	-10	0	0	0	0	0	0	0	0	0	0	6	0	0	0	2	0	-1	-0.1%
2-Sep	6	28	4	6	-14	-8	-1	-10	0	0	0	0	0	0	-2	0	0	2	4	0	1	0	0	8	24	1.5%
3-Sep	16	0	8	-2	-6	-14	0	-20	0	0	0	0	0	0	-2	0	0	2	4	0	1	0	0	12	-1	-0.1%
4-Sep	0	6	2	8	0	-9	-2	-9	0	0	0	0	0	0	-4	0	0	4	2	0	2	0	0	4	4	0.2%
5-Sep	-2	-2	4	4	0	-9	-2	-9	0	0	0	0	0	0	-4	0	0	4	2	0	2	0	0	0	-12	-0.7%
6-Sep	2	6	0	2	10	-4	-4	2	0	0	0	0	0	End of the counting season											14	0.8%
Subtotal	219	283	171	133	36	-64	-12	-52	0	12	-6	6	18	0	-7	0	-10	60	30	0	11	156	26	90	1,100	
							0600-1100 Sub Total =				-52															
								0600-1100 Totals																		
Total	286	390	276	190	75	-64		-25					18	3	-7	4	-8	76	26	0	28	178	66	138	1,650	
	17.3%	23.6%	16.7%	11.5%	4.5%	-3.9%		-1.5%					1.1%	0.2%	-0.4%	0.2%	-0.5%	4.6%	1.6%	0.0%	1.7%	10.8%	4.0%	8.4%		

Table 12. Expanded daily hourly Dolly Varden migration past the Nome River counting tower, Norton Sound, 22 June to 31 July, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600-1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jun	Start of counting season							0	0	0	0	0	4	6	0	0	0	-2	2	10	0.7%
23-Jun	0	-2	2	-2	2	-2	-8	0	0	0	0	0	0	0	0	0	0	0	0	-10	-0.7%
24-Jun	0	0	4	2	2	0	58	-1	1	1	0	0	1	1	0	0	0	0	4	73	5.3%
25-Jun	-3	0	1	1	1	0	42	-1	1	1	0	0	1	1	0	0	0	0	8	53	3.8%
26-Jun	-6	0	-2	0	0	0	8	2	0	4	0	0	0	2	0	-2	0	2	2	10	0.7%
27-Jun	6	2	0	0	0	0	112	-6	4	0	0	0	0	-6	0	26	0	10	-8	140	10.1%
28-Jun	2	-20	4	-4	-4	2	-48	0	0	0	4	2	0	0	0	0	0	2	0	-60	-4.3%
29-Jun	2	4	0	0	0	0	72	0	6	0	0	0	0	0	0	0	0	6	0	90	6.5%
30-Jun	-8	-8	2	0	-4	-4	-45	-2	-2	-2	0	0	0	0	0	0	0	-2	0	-75	-5.4%
1-Jul	0	-6	-8	0	4	8	-1	0	0	0	0	0	0	2	1	0	0	-1	0	-1	-0.1%
2-Jul	3	-1	-8	-5	3	5	1	0	1	0	0	0	0	2	1	0	0	0	0	1	0.1%
3-Jul	6	4	-8	-10	2	2	12	0	2	0	0	0	0	2	2	2	2	2	0	20	1.4%
4-Jul	2	0	0	2	0	2	15	0	0	0	0	0	0	2	0	0	2	0	0	25	1.8%
5-Jul	0	0	0	0	6	0	18	0	0	0	0	2	-2	0	0	2	2	0	2	30	2.2%
6-Jul	-2	0	2	-2	6	0	6	-2	0	0	0	0	0	2	0	2	0	0	-2	10	0.7%
7-Jul	0	0	-4	0	0	0	4	0	0	0	4	0	0	0	2	0	0	2	0	8	0.6%
8-Jul	0	-2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0.0%
9-Jul	0	0	0	-1	0	0	1	0	0	0	0	1	0	1	1	0	0	0	0	2	0.1%
10-Jul	0	2	0	-2	0	0	2	0	0	0	0	2	0	0	0	0	0	0	0	4	0.3%
11-Jul	0	0	0	0	0	0	12	0	0	0	0	0	2	0	0	0	4	0	6	24	1.7%
12-Jul	0	2	0	0	0	0	18	2	0	0	0	0	0	6	4	2	2	0	0	36	2.6%
13-Jul	-2	0	0	0	0	0	1	0	0	2	0	1	0	-2	0	0	0	4	-2	2	0.1%
14-Jul	-2	0	0	0	0	0	12	0	0	2	0	2	0	2	2	0	0	6	0	24	1.7%
15-Jul	6	12	6	2	0	0	0	0	0	0	2	0	0	0	2	2	0	0	0	32	2.3%
16-Jul	4	-2	0	0	2	0	0	0	0	0	0	2	0	0	0	-2	-2	-2	0	0	0.0%
17-Jul	2	0	-2	2	0	0	0	0	0	1	0	1	0	0	0	-1	0	-1	1	3	0.2%
18-Jul	1	0	-1	1	0	0	0	0	0	2	0	0	0	0	0	0	2	0	2	7	0.5%
19-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
20-Jul	0	0	0	-4	0	4	0	0	0	0	2	0	0	0	0	0	2	0	0	4	0.3%
21-Jul	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2	0	-2	0	0	4	0.3%
22-Jul	-4	2	-4	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	-4	-0.3%

- continued -

Table 12. (Page 2 of 2).

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600-1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
23-Jul	0	0	4	2	0	0	0	0	0	0	2	0	-2	0	0	2	0	2	0	10	0.7%
24-Jul	0	0	0	0	0	2	0	4	0	0	1	0	-1	0	0	1	0	1	0	8	0.6%
25-Jul	3	0	1	3	0	-2	0	8	0	0	0	0	0	0	0	0	0	0	0	13	0.9%
26-Jul	6	0	2	6	0	-6	0	0	0	0	0	0	0	0	0	0	0	4	2	14	1.0%
27-Jul	4	6	2	0	6	2	0	0	0	0	0	0	2	0	0	-6	0	2	4	22	1.6%
28-Jul	6	4	2	2	0	-4	0	0	0	0	0	0	0	0	0	0	0	2	2	14	1.0%
29-Jul	8	10	-2	-2	-4	-2	0	0	0	0	0	0	0	0	0	0	0	0	4	12	0.9%
30-Jul	6	2	4	4	0	6	0	0	0	0	2	0	0	0	0	0	0	2	6	32	2.3%
31-Jul	0	4	4	2	2	-2	0	0	0	0	1	0	0	1	0	0	0	1	4	17	1.2%
subtotal	40	13	1	-3	24	11	292	6	13	11	18	15	5	23	16	28	12	41	37	603	

Table 13. Expanded daily hourly Dolly Varden migration past the Nome River counting tower, Norton Sound, 1 August to 18 August, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
1-Aug	2	6	0	2	0	-2	1	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	2	15	1.1%
2-Aug	2	6	0	2	0	-2	1	0	0	0	2	0	0	0	0	0	0	0	1	0	-1	0	0	1	12	0.9%
3-Aug	4	8	-4	2	-2	-2	2	0	0	0	1	0	0	0	0	0	0	0	0	0	-2	0	0	0	7	0.5%
4-Aug	3	7	-1	3	-1	-4	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	2	7	0.5%
5-Aug	2	6	2	4	0	-6	-2	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	0.6%
6-Aug	2	4	4	10	1	-15	-1	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	0.4%
7-Aug	2	2	6	16	2	-24	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0.3%
8-Aug	14	10	10	12	1	-14	-2	-1	0	0	0	0	0	0	0	0	0	1	2	3	0	1	0	1	38	2.8%
9-Aug	26	18	14	8	0	-4	-4	0	0	0	0	0	0	0	0	0	0	2	4	6	0	2	0	0	72	5.2%
10-Aug	4	15	11	4	0	-2	-2	0	0	0	0	0	0	0	0	0	0	1	2	3	0	1	3	3	43	3.1%
11-Aug	6	12	8	0	0	0	0	0	0	0	-1	0	0	0	0	1	0	0	0	0	0	0	6	6	38	2.8%
12-Aug	3	14	7	-4	2	1	0	0	0	0	-2	0	0	0	0	2	0	0	0	0	0	0	3	4	30	2.2%
13-Aug	0	16	6	-8	4	2	0	0	0	0	-1	0	0	0	0	1	0	0	0	0	0	0	0	2	22	1.6%
14-Aug	34	12	0	-11	-3	-2	-2	-1	0	0	0	0	0	0	0	0	0	0	0	1	0	5	0	1	34	2.5%
15-Aug	68	8	-6	-14	-10	-6	-4	-2	0	0	0	0	0	0	0	0	0	0	0	2	0	10	0	0	46	3.3%
16-Aug	34	16	4	-7	-7	-4	-2	-3	0	0	0	0	0	0	0	0	1	1	0	1	0	5	0	0	39	2.8%
17-Aug	0	24	14	0	-4	-2	0	-4	-1	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	31	2.2%
18-Aug	2	12	9	1	-3	-1	-1	-2	-2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	17	1.2%
Subtotal	208	196	84	20	-20	-87	-16	-20	-3	0	1	0	0	0	0	4	4	8	11	16	-4	24	12	31	469	

0600-1100 Sub Total = -38

Table 14. Expanded daily hourly Dolly Varden migration past the Nome River counting tower, Norton Sound, 19 August to 6 September, 1995.

Shaded areas indicate hours not counted. Numbers in shaded areas indicate estimated passage.

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
19-Aug	4					0	-2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	0	2	8	0.6%
20-Aug	4	0	4	2	-2	-1	-2	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0.3%
21-Aug	0	14	2	-6	-2	-1	-2	-1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	6	0.4%
22-Aug	0	0	0	0	0	-2	-2	-2	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	-4	-0.3%
23-Aug	4	0	0	0	0	-3	-1	-2	-2	0	0	0	0	0	0	0	0	2	0	0	2	16	0	0	16	1.2%
24-Aug	0	2	0	2	2	-3	-1	-2	-2	0	0	0	0	0	0	0	0	1	0	0	2	2	0	2	5	0.4%
25-Aug	4	6	0	2	0	-4	0	-2	-4	0	0	0	0	0	0	0	0	1	0	0	2	0	0	22	27	2.0%
26-Aug	0	2	0	0	0	-2	-1	-8	-2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	-9	-0.7%
27-Aug	0	0	0	0	0	-2	-1	-8	-2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	-12	-0.9%
28-Aug	0	0	2	0	0	0	-2	-14	0	0	0	0	0	0	0	0	0	0	0	0	1	8	0	24	19	1.4%
29-Aug	0	0	16	4	20	0	-1	-8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	41	3.0%
30-Aug	6	4	0	0	0	0	-1	-8	0	0	0	0	0	1	0	0	-1	0	0	0	0	2	0	0	3	0.2%
31-Aug	4	4	2	2	0	0	0	-2	0	0	0	0	0	1	0	0	-1	0	0	0	0	4	0	18	32	2.3%
1-Sep	40	2	2	0	2	-2	-1	-1	0	0	0	0	0	2	0	0	-2	0	0	0	0	0	10	0	52	3.8%
2-Sep	46	14	2	12	4	-2	-1	-1	0	0	0	0	0	1	0	0	-1	0	0	1	0	0	0	2	77	5.6%
3-Sep	8	0	4	0	-8	-4	-2	0	0	0	0	0	0	1	0	0	-1	0	0	1	0	0	0	10	9	0.7%
4-Sep	4	14	6	6	0	-1	0	0	0	-7	0	0	0	0	0	0	0	0	0	2	0	0	0	2	26	1.9%
5-Sep	0	0	0	0	2	-1	0	0	0	-7	0	0	0	0	0	0	0	0	0	2	0	0	16	0	12	0.9%
6-Sep	2	0	2	0	2	2	2	0	0	-14	0	0	0	End of counting season											-4	-0.3%
Subtotal	126	62	42	24	20	-26	-18	-60	-12	-28	0	0	0	6	0	0	-5	7	0	6	12	34	28	90	308	
							0600-1100 Sub Total =				-118															
									0600-1100 Totals																	
Total	374	271	127	41	24	-102			136					6	19	11	22	14	20	34	38	36	70	81	158	1,380
	27.1%	19.6%	9.2%	3.0%	1.7%	-7.4%			9.9%					0.4%	1.4%	0.8%	1.6%	1.0%	1.4%	2.5%	2.8%	2.6%	5.1%	5.9%	11.4%	100%

Table 15. Reported hourly chum salmon observations at the Nome River counting tower, Norton Sound, 1995.

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jun	Start of the counting season												0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
23-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
24-Jun	0	0	0	0	0	0																			0	0.00%
25-Jun																					0	0	0	0	0	0.00%
26-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
27-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	4	0	4	0.08%
28-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	-2	-2	0	-4	-0.08%
29-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
30-Jun	0	-2	0	0	2	8							8	0	0	0	0	0	0	0	2	0	0	0	18	0.36%
1-Jul	0	0	6	0	0	14				0	0	0	0	0	0	0	0	0	0	0					20	0.41%
2-Jul																					14	0	-2	0	12	0.24%
3-Jul	-4	4	-18	-16	-10	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-40	-0.81%
4-Jul	0	14	2	0	-2	0							0	0	0	0	0	0	0	0	0	0	0	-2	12	0.24%
5-Jul	2	0	0	0	4	2							0	0	0	0	0	0	0	0	0	-2	0	0	6	0.12%
6-Jul	2	0	0	-2	30	0							0	32	-4	2	6	28	48	58	108	0	0	56	364	7.38%
7-Jul	48	8	14	28	14	2							32	6	-2	4	18	4	8	22	10	20	-4	16	248	5.03%
8-Jul	-14	-12	18	-20	16	0				0	0	4	8	6	-4	0	12	0							14	0.28%
9-Jul																					0	0	0	-4	-4	-0.08%
10-Jul	0	0	0	-8	-2	-2	0	0	0	0	4	0	0	0	4	4	0	0	-2	4	16	64	16	30	128	2.59%
11-Jul	32	56	42	0	-40	0							0	-2	-2	0	0	0	4	0	0	24	0	-2	112	2.27%
12-Jul	90	68	24	0	18	0							0	0	0	8	0	0	4	0	34	10	0	48	304	6.16%
13-Jul	358	14	12	2	0	0							-6	0	-2	0		8	0	6	0	8	-2	6	404	8.19%
14-Jul	4	4	12	18	22	8							16	4	20	6	6	8	0	2	12	14	0	28	184	3.73%
15-Jul	16	28	44	2	-2	0							2	6	0	26	0	12	2	2	16	0	10	0	164	3.32%
16-Jul	136	46	16	14	16	14									30	14	-2	-2	-2	4	0	-4	2	2	284	5.76%
17-Jul	-16	-10	-24	-10	10	6																			-44	-0.89%
18-Jul												10	0	2	10	0	0	0	4	0	0	6	-2	0	30	0.61%
19-Jul	26	4	6	2	-16	2	6	-8	-2	0	0	-10	2	-4	2	-2	0	0	0	0	0	-2	26	8	40	0.81%
20-Jul	62	72	30	42	14	28							2	0	6	2	4	2	0	4	8	46	8	64	394	7.99%
21-Jul	126	126	110	134	24	24							2	12	6	0	0	2	0	0	8	52	0	-6	620	12.57%

- continued -

Table 15. (Page 2 of 3).

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jul	24	44	36	2	6	2							0	2	0	0	0	0	2	26	0	-4	8	2	150	3.04%
23-Jul	52	30	78	38	-8	12							0	0	0	2	2	0	12	12	50	0	20	28	328	6.65%
24-Jul	2	16	28	28	4	2																			80	1.62%
25-Jul													-4	2	-2	2	0	0	-2	2	0	14	4	8	24	0.49%
26-Jul	62	28	26	18	0	-6	0	6	-2	0	-6	2	2	2	2	2	0	4	4	2	10	12	6	46	220	4.46%
27-Jul	36	92	40	10	18	-2							-2	-4	-2	0	0	-2	2	-2	4	4	10	10	212	4.30%
28-Jul	18	20	6	18	8	4							0	2	0	-2	0	0	-2	0	0	4	6	0	82	1.66%
29-Jul	8	28	18	10	-14	2							2	0	0	0	-2	-2	-2	4	0	6	4	42	104	2.11%
30-Jul	46	48	28	20	12	16							0	0	0	0	-2	-2	-2	0	4	6	0	12	186	3.77%
31-Jul	12	6	24	0	-2	10																			50	1.01%
1-Aug																	-2	0	-2	0	2	0	2	-4	-4	-0.08%
2-Aug									0	6	0	-4	0	0	-2	0									0	0.00%
3-Aug	22	12	6	12	-6	-2	2	0									-2	0	0	0	-2	4	-2	0	44	0.89%
4-Aug									0	-2	2	0	0	0	0	0									0	0.00%
5-Aug	-2	26	4	8	4	-4	2	4									2	-2	0	0	-2	0	6	8	54	1.09%
6-Aug									0	2	-2	0	0	0	0	-2									-2	-0.04%
7-Aug	8	-2	4	6	4	-8	0	-4									4	0	0	2	0	2	4	4	24	0.49%
8-Aug									0	0	0	0	0	0	0	0									0	0.00%
9-Aug	10	8	0	-2	2	2	4	0									0	-2	0	8	0	0	2	10	42	0.85%
10-Aug	0								0	0	0	0	0	2	0	0									2	0.04%
11-Aug	0	0	2	0	2	0	0	0									2	0	0	0	0	0	2	6	14	0.28%
12-Aug									0	-2	0	0	2	0	0	0									0	0.00%
13-Aug	4	0	0	0	2	0	6	2									0	2	0	0	0	0	0	0	16	0.32%
14-Aug									0	0	0	0	0	2	0	0									2	0.04%
15-Aug	4	4	0	0	0	0	0	0									2	0	0	0	0	0	2	-2	10	0.20%
16-Aug									0	0	0	0	0	0	0	0									0	0.00%
17-Aug	2	0	6	0	-2	0	0	2									-2	0	0	0	0	-2	0	0	4	0.08%
18-Aug									0	0	0	0	0	0	0	0									0	0.00%
19-Aug						2	0	0	0	0	0	0	0									0	0	0	2	0.04%
20-Aug	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0.00%

- continued -

Table 15. (Page 3 of 3).

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
21-Aug	0	0	0	0	0																	0	0	0	0	0.00%
22-Aug	0	2	0	2	0	0	0	-2	0	0	0	0	0									0	0	0	2	0.04%
23-Aug	0	0	0	2	0									0	0	0	0	0	0	0	0	0	0	0	2	0.04%
24-Aug	0	0	0	0	0																	0	0	0	0	0.00%
25-Aug	0	0	0	2	0	0	0	0	-2	0	0	0	0									0	0	0	0	0.00%
26-Aug	0	-2	2	0	0									0	2	0	0	0	0	0	0	0	0	0	2	0.04%
27-Aug	0	0	0	0	0																	0	0	0	0	0.00%
28-Aug	0	0	0	0	0	0	2	0	0	0	0	0	0									2	0	0	4	0.08%
29-Aug	0	2	0	2	0									0	0	0	0	0	0	0	0	0	0	0	4	0.08%
30-Aug	0	0	2	0	0																	0	0	0	2	0.04%
31-Aug	2	0	0	0	0	0	0	0	0	0	0	0	0									4	0	0	6	0.12%
1-Sep	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0.00%
2-Sep	0	0	0	0	0																	0	0	0	0	0.00%
3-Sep	0	0	0	-2	0	-2	0	0	0	0	0	0	0									0	0	0	-4	-0.08%
4-Sep	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0.00%
5-Sep	0	0	0	0	0																	0	0	0	0	0.00%
6-Sep	0	0	0	0	0	0	0	2	0	0	0	0	0	End of the counting season											2	0.04%
Total	1,178	782	604	360	128	134	26	2	-6	4	-2	2	66	70	62	66	46	58	76	156	294	286	128	414	4,934	

Table 16. Reported hourly pink salmon observations at the Nome River counting tower, Norton Sound, 1995.

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jun	Start of counting season												0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
23-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
24-Jun	0	0	0	0	0	0																			0	0.0%
25-Jun																					0	0	0	0	0	0.0%
26-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
27-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
28-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
29-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
30-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
1-Jul	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	0						0	0.0%
2-Jul																					0	0	0	0	0	0.0%
3-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
4-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
5-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
6-Jul	0	0	0	0	0	0							0	8	0	4	4	0	8	6	8	0	0	-2	36	0.4%
7-Jul	4	0	0	0	-2	0							0	0	0	0	0	0	0	0	0	4	-4	0	2	0.0%
8-Jul	2	-4	24	0	2	0				0	0	0	0	0	0	0	2	0							26	0.3%
9-Jul																					0	0	0	0	0	0.0%
10-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	6	0	-4	22	0.2%
11-Jul	0	6	10	0	0	0							0	0	0	6	0	2	0	4	0	4	0	0	32	0.3%
12-Jul	4	10	6	0	0	0							0	0	0	2	0	0	0	2	2	8	0	4	38	0.4%
13-Jul	40	6	2	2	0	0							0	0	0	0		0	2	0	0	0	2	0	54	0.5%
14-Jul	0	4	2	-4	0	2							18	0	14	4	0	0	2	0	4	0	2	-2	46	0.5%
15-Jul	6	12	8	0	-12	0							-2	2	0	6	0	2	0	2	8	0	-4	0	28	0.3%
16-Jul	16	34	8	4	0	12									4	14	0	0	-2	2	6	-2	-4	10	102	1.0%
17-Jul	8	-4	-20	-26	0	-2																			-44	-0.4%
18-Jul												22	0	4	2	0	0	0	0	0	-10	-2	2	-12	6	0.1%
19-Jul	8	2	16	-2	-8	-12	-2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	14	-2	16	0.2%
20-Jul	12	48	10	10	0	-6							0	0	0	0	0	0	0	2	4	16	-2	8	102	1.0%
21-Jul	40	114	46	66	-12	4							0	10	0	0	0	2	0	4	8	42	4	-2	326	3.2%

- continued -

Table 16. (Page 2 of 3).

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jul	14	62	80	2	-2	-2							0	2	0	-2	-10	0	2	20	-4	-2	12	8	180	1.8%
23-Jul	180	162	90	32	-2	4							0	0	0	8	2	-6	72	20	32	10	30	34	668	6.6%
24-Jul	16	76	16	38	8	4																			158	1.6%
25-Jul													6	4	2	6	0	0	2	12	10	10	14	20	86	0.9%
26-Jul	74	54	86	14	-20	-12	2	12	0	2	0	4	0	0	6	4	0	8	4	4	26	30	12	70	380	3.8%
27-Jul	144	350	48	0	-12	-24							0	0	4	0	2	10	2	0	22	10	172	208	936	9.3%
28-Jul	268	338	34	6	12	0							10	2	8	0	0	0	4	2	8	40	140	56	928	9.2%
29-Jul	106	398	52	6	-16	8							4	2	0	-2	6	14	8	102	6	50	74	880	1,698	16.9%
30-Jul	452	292	44	90	20	22							2	0	0	-6	2	6	2	6	12	64	100	130	1,238	12.3%
31-Jul	16	400	184	8	12	10																			630	6.3%
1-Aug																	2	2	4	2	6	10	8	48	82	0.8%
2-Aug									16	6	0	4	8	4	4	2									44	0.4%
3-Aug	288	122	36	-4	-16	-6	0	10									-2	4	4	0	0	20	14	6	476	4.7%
4-Aug									-8	36	-2	4	4	0	0	10									44	0.4%
5-Aug	12	142	12	36	12	10	10	10									-6	-2	2	0	4	0	4	18	264	2.6%
6-Aug									4	6	6	4	0	4	6	22									52	0.5%
7-Aug	38	6	18	24	4	-34	-2	-4									10	2	2	0	6	50	14	24	158	1.6%
8-Aug									0	0	-2	-4	0	2	0	0									-4	0.0%
9-Aug	22	44	38	26	28	6	12	-24									0	16	2	44	8	18	10	38	288	2.9%
10-Aug	8								2	10	0	2	2	6	2	2									34	0.3%
11-Aug	32	10	52	16	-16	-14	-6	0									0	4	-2	0	0	4	90	60	230	2.3%
12-Aug									2	10	-2	-4	0	-4	0	6									8	0.1%
13-Aug	38	88	14	-12	12	10	8	-2									0	0	2	12	4	-2	18	6	196	1.9%
14-Aug									4	2	6	0	0	2	0	0									14	0.1%
15-Aug	34	40	28	-16	-4	-20	2	-4									0	2	4	6	20	30	12	6	140	1.4%
16-Aug									0	0	4	-4	6	-2	0	0									4	0.0%
17-Aug	4	18	40	0	-12	-4	-4	4									16	10	0	8	2	-2	6	6	92	0.9%
18-Aug									-2	-2	0	0	0	0	2	0									-2	0.0%
19-Aug						0	4	0	-2	0	0	0	0									4	8	2	16	0.2%
20-Aug	24	8	4	4	-4								8	0	0	0	0	0	0	-4	0	0	0	4	44	0.4%

- continued -

Table 16. (Page 3 of 3).

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
21-Aug	2	4	-2	0	2																	2	4	10	22	0.2%
22-Aug	4	10	0	4	2	-2	0	0	0	-2	0	0	-2									0	8	-2	20	0.2%
23-Aug	8	0	12	0	6									0	0	0	-2	0	2	-2	-4	16	0	0	36	0.4%
24-Aug	10	0	0	2	0																	2	0	2	16	0.2%
25-Aug	14	0	-2	2	-2	-2	0	2	0	-2	0	-2	2									-2	-2	2	8	0.1%
26-Aug	0	0	-2	2	4									0	8	0	0	0	0	0	2	-4	0	2	12	0.1%
27-Aug	6	0	-2	0	0																	6	0	2	12	0.1%
28-Aug	6	8	2	0	0	0	2	0	0	0	0	0	0									2	0	0	20	0.2%
29-Aug	4	0	0	4	0									0	-4	0	0	2	0	-2	0	2	2	2	10	0.1%
30-Aug	0	0	2	0	0																	2	0	0	4	0.0%
31-Aug	4	2	0	0	2	-2	0	0	0	0	0	2	0									10	0	2	20	0.2%
1-Sep	0	2	-2	0	2									0	0	0	0	0		0	0	0	4	0	6	0.1%
2-Sep	0	0	0	0	-2																	0	0	0	-2	0.0%
3-Sep	-2	0	0	0	0	0	0	0	0	0	0	0	0									0	0	0	-2	0.0%
4-Sep	0	4	0	0	0									0	0	0	0	0	0	0	0	-2	0	0	2	0.0%
5-Sep	0	0	0	0	0																	0	0	0	0	0.0%
6-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	End of counting season											0	0.0%
	1,966	2,868	994	334	-14	-50	26	4	16	66	10	28	58	54	60	86	26	78	126	252	210	454	764	1,642	10,058	
	19.5%	28.5%	9.9%	3.3%	-0.1%	-0.5%	0.3%	0.0%	0.2%	0.7%	0.1%	0.3%	0.6%	0.5%	0.6%	0.9%	0.3%	0.8%	1.3%	2.5%	2.1%	4.5%	7.6%	16.3%		

Table 17. Reported hourly king salmon observations at the Nome River counting tower, Norton Sound, 1995.

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jun	Start of counting season												0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
23-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
24-Jun	0	0	0	0	0	0																			0	0.0%
25-Jun																					0	0	0	0	0	0.0%
26-Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
27-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
28-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
29-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
30-Jun	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
1-Jul	0	0	0	0	0	0				0	0	0	0	0	0	0	0	0	0						0	0.0%
2-Jul																					0	0	0	0	0	0.0%
3-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
4-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
5-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
6-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
7-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
8-Jul	0	0	0	0	0	0				0	0	0	0	0	0	0	2	0							2	50.0%
9-Jul																					0	0	0	0	0	0.0%
10-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
11-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
12-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
13-Jul	0	0	0	0	0	0							0	0	0	0		0	0	0	0	0	0	0	0	0.0%
14-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
15-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
16-Jul	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0.0%
17-Jul	0	0	0	0	0	0																			0	0.0%
18-Jul												0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
19-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
20-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
21-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	2	0	0	2	50.0%

- continued -

Table 17. (Page 2 of 3).

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
23-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
24-Jul	0	0	0	0	0	0																			0	0.0%
25-Jul													0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
26-Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
27-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
28-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
29-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
30-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
31-Jul	0	0	0	0	0	0																			0	0.0%
1-Aug																	0	0	0	0	0	0	0	0	0	0.0%
2-Aug									0	0	0	0	0	0	0	0									0	0.0%
3-Aug	0	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0.0%
4-Aug									0	0	0	0	0	0	0	0									0	0.0%
5-Aug	0	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0.0%
6-Aug									0	0	0	0	0	0	0	0									0	0.0%
7-Aug	0	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0.0%
8-Aug									0	0	0	0	0	0	0	0									0	0.0%
9-Aug	0	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0.0%
10-Aug	0								0	0	0	0	0	0	0	0									0	0.0%
11-Aug	0	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0.0%
12-Aug									0	0	0	0	0	0	0	0									0	0.0%
13-Aug	0	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0.0%
14-Aug									0	0	0	0	0	0	0	0									0	0.0%
15-Aug	0	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0.0%
16-Aug									0	0	0	0	0	0	0	0									0	0.0%
17-Aug	0	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0.0%
18-Aug									0	0	0	0	0	0	0	0									0	0.0%
19-Aug						0	0	0	0	0	0	0	0									0	0	0	0	0.0%
20-Aug	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0.0%

- continued -

Table 17. (Page 3 of 3).

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
21-Aug	0	0	0	0	0																	0	0	0	0	0.0%
22-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0									0	0	0	0	0.0%
23-Aug	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0.0%
24-Aug	0	0	0	0	0																	0	0	0	0	0.0%
25-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0									0	0	0	0	0.0%
26-Aug	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0.0%
27-Aug	0	0	0	0	0																	0	0	0	0	0.0%
28-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0									0	0	0	0	0.0%
29-Aug	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0.0%
30-Aug	0	0	0	0	0																	0	0	0	0	0.0%
31-Aug	0	0	0	0	0	0	0	0	0	0	0	0	0									0	0	0	0	0.0%
1-Sep	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0.0%
2-Sep	0	0	0	0	0																	0	0	0	0	0.0%
3-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0									0	0	0	0	0.0%
4-Sep	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0	0	0	0.0%
5-Sep	0	0	0	0	0																	0	0	0	0	0.0%
6-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	End of counting season											0	0.0%
Totals =	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0	4	

Table 18. Reported hourly coho observations at the Nome River counting tower, Norton Sound, 1995.

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
19-Jul	0	0	0	Counting season started 22 June - no coho observed before this date									0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
20-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
21-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
22-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
23-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
24-Jul	0	0	0	0	0	0																			0	0.0%
25-Jul													0	2	0	0	0	0	0	0	0	0	0	0	2	0.1%
26-Jul	0	2	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0.9%
27-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
28-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
29-Jul	0	0	0	0	0	0							0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
30-Jul	2	0	0	0	0	0							0	0	0	0	0	0	0	0	0	2	0	0	4	0.3%
31-Jul	0	0	0	0	0	0																			0	0.0%
1-Aug																	0	0	0	0	0	0	0	0	0	0.0%
2-Aug									0	0	0	0	0	0	0	0									0	0.0%
3-Aug	0	0	0	0	0	0	0	0									0	0	0	0	0	0	0	0	0	0.0%
4-Aug									0	0	0	0	0	0	0	0									0	0.0%
5-Aug	0	4	2	2	2	0	2	2									0	0	0	0	0	0	0	0	14	1.0%
6-Aug									0	0	0	0	0	0	0	2									2	0.1%
7-Aug	4	0	2	2	0	-2	0	0									2	0	0	0	0	2	2	0	12	0.9%
8-Aug									2	0	0	0	0	0	0	0									2	0.1%
9-Aug	4	16	8	2	12	2	2	0									0	4	-2	0	2	0	0	14	64	4.7%
10-Aug	0								0	0	0	0	0	0	0	0									0	0.0%
11-Aug	8	2	10	0	0	0	0	0									0	0	0	0	0	0	8	4	32	2.4%
12-Aug									0	0	0	0	0	0	0	0									0	0.0%
13-Aug	2	8	4	4	6	2	0	0									0	4	0	0	0	0	6	0	36	2.7%
14-Aug									4	0	0	0	0	0	0	0									4	0.3%
15-Aug	12	10	4	6	0	0	0	0									0	0	0	0	6	8	4	6	56	4.2%
16-Aug									0	0	0	0	0	0	0	0									0	0.0%
17-Aug	0	8	20	12	0	-2	-2	2									0	0	0	0	0	0	0	0	38	2.8%

- continued -

Table 18. (Page 2 of 2).

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
18-Aug									0	0	0	0	0	0	0	0									0	0.0%
19-Aug						2	4	8	0	0	0	0	0									4	0	0	18	1.3%
20-Aug	10	22	10	2	-2									0	2	0	-4	0	0	0	2	0	0	0	42	3.1%
21-Aug	0	14	6	0	-2																	2	2	26	48	3.6%
22-Aug	18	50	44	60	0	-2	-2	0	0	0	0	2	2									0	22	0	194	14.4%
23-Aug	6	14	40	10	8									0	0	0	0	0	0	0	0	10	0	0	88	6.5%
24-Aug	36	32	8	12	10																	30	0	28	156	11.6%
25-Aug	48	16	18	12	6	-8	0	-4	0	0	0	0	0									0	0	4	92	6.8%
26-Aug	24	24	6	10	-4									0	0	0	0	16	2	0	0	0	0	0	78	5.8%
27-Aug	4	18	-2	-2	0																	22	0	0	40	3.0%
28-Aug	6	10	4	2	4	6	0	0	0	4	-2	0	4									8	0	0	46	3.4%
29-Aug	0	0	4	2	1									0	0	0	0	0	0	0	0	2	0	0	9	0.7%
30-Aug	2	12	2	0	16																	8	0	8	48	3.6%
31-Aug	34	18	0	-2	4	-2	-2	0	0	0	0	0	0									70	0	0	120	8.9%
1-Sep	4	0	-2	2	6									0	0	0	0	0	6	0	0	0	2	0	18	1.3%
2-Sep	6	28	4	6	-14																	0	0	8	38	2.8%
3-Sep	16	0	8	-2	-6	-14	0	-20	0	0	0	0	0									0	0	12	-6	-0.4%
4-Sep	0	6	2	8	0									0	-4	0	0	4	2	0	2	0	0	4	24	1.8%
5-Sep	-2	-2	4	4	0																	0	0	0	4	0.3%
6-Sep	2	6	0	2	10	-4	-4	2	0	0	0	0	0	End of the counting season											14	1.0%
Total	246	318	210	160	57	-22	-2	-10	6	4	-2	2	6	2	-2	2	-2	28	8	0	12	168	46	114	1,349	
	18.2%	23.6%	15.6%	11.9%	4.2%	-1.6%	-0.1%	-0.7%	0.4%	0.3%	-0.1%	0.1%	0.4%	0.1%	-0.1%	0.1%	-0.1%	2.1%	0.6%	0.0%	0.9%	12.5%	3.4%	8.5%		

Table 19. Reported hourly Dolly Varden observations at the Nome River counting tower, Norton Sound, 1995.

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jun	Start of counting season												0	0	0	0	0	4	6	0	0	0	-2	2	10	1.1%
23-Jun	0	-2	2	-2	2	-2							0	0	0	0	0	0	0	0	0	0	0	0	-2	-0.2%
24-Jun	0	0	4	2	2	0																			8	0.9%
25-Jun																					0	0	0	8	8	0.9%
26-Jun	-6	0	-2	0	0	0	0	2	2	2	2	0	2	0	4	0	0	0	2	0	-2	0	2	2	10	1.1%
27-Jun	6	2	0	0	0	0							-6	4	0	0	0	0	-6	0	26	0	10	-8	28	3.0%
28-Jun	2	-20	4	-4	-4	2							0	0	0	4	2	0	0	0	0	0	2	0	-12	-1.3%
29-Jun	2	4	0	0	0	0							0	6	0	0	0	0	0	0	0	0	6	0	18	2.0%
30-Jun	-8	-8	2	0	-4	-4							-2	-2	-2	0	0	0	0	0	0	0	-2	0	-30	-3.3%
1-Jul	0	-6	-8	0	4	8				2	0	0	0	0	0	0	0	0	2						2	0.2%
2-Jul																					0	0	0	0	0	0.0%
3-Jul	6	4	-8	-10	2	2	8	4	0	-2	2	0	0	2	0	0	0	0	2	2	2	2	2	0	20	2.2%
4-Jul	2	0	0	2	0	2							0	0	0	0	0	0	2	0	0	2	0	0	10	1.1%
5-Jul	0	0	0	0	6	0							0	0	0	0	2	-2	0	0	2	2	0	2	12	1.3%
6-Jul	-2	0	2	-2	6	0							-2	0	0	0	0	0	2	0	2	0	0	-2	4	0.4%
7-Jul	0	0	-4	0	0	0							0	0	0	4	0	0	0	2	0	0	2	0	4	0.4%
8-Jul	0	-2	0	0	0	0				2	0	0	0	0	0	0	0	0							0	0.0%
9-Jul																					0	0	0	0	0	0.0%
10-Jul	0	2	0	-2	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	4	0.4%
11-Jul	0	0	0	0	0	0							0	0	0	0	0	2	0	0	0	4	0	6	12	1.3%
12-Jul	0	2	0	0	0	0							2	0	0	0	0	0	6	4	2	2	0	0	18	2.0%
13-Jul	-2	0	0	0	0	0							0	0	2	0		0	-2	0	0	0	4	-2	0	0.0%
14-Jul	-2	0	0	0	0	0							0	0	2	0	2	0	2	2	0	0	6	0	12	1.3%
15-Jul	6	12	6	2	0	0							0	0	0	2	0	0	0	2	2	0	0	0	32	3.5%
16-Jul	4	-2	0	0	2	0									0	0	2	0	0	0	-2	-2	-2	0	0	0.0%
17-Jul	2	0	-2	2	0	0																			2	0.2%
18-Jul												0	0	0	0	2	0	0	0	0	0	0	2	0	2	6	0.7%
19-Jul	0	0	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	-0.2%
20-Jul	0	0	0	-4	0	4							0	0	0	2	0	0	0	0	0	2	0	0	4	0.4%
21-Jul	0	0	0	0	0	0							0	0	0	0	2	0	2	2	0	-2	0	0	4	0.4%

- continued -

Table 19. (Page 2 of 3).

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
22-Jul	-4	2	-4	0	0	0							2	0	0	0	0	0	0	0	0	0	0	0	-4	-0.4%
23-Jul	0	0	4	2	0	0							0	0	0	2	0	-2	0	0	2	0	2	0	10	1.1%
24-Jul	0	0	0	0	0	2																			2	0.2%
25-Jul													8	0	0	0	0	0	0	0	0	0	0	0	8	0.9%
26-Jul	6	0	2	6	0	-6	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4	2	18	2.0%
27-Jul	4	6	2	0	6	2							0	0	0	0	0	2	0	0	-6	0	2	4	22	2.4%
28-Jul	6	4	2	2	0	-4							0	0	0	0	0	0	0	0	0	0	2	2	14	1.5%
29-Jul	8	10	-2	-2	-4	-2							0	0	0	0	0	0	0	0	0	0	0	4	12	1.3%
30-Jul	6	2	4	4	0	6							0	0	0	2	0	0	0	0	0	0	2	6	32	3.5%
31-Jul	0	4	4	2	2	-2																			10	1.1%
1-Aug																	0	0	2	0	0	0	0	2	4	0.4%
2-Aug									0	0	2	0	0	0	0	0									2	0.2%
3-Aug	4	8	-4	2	-2	-2	2	0									0	0	0	0	-2	0	0	0	6	0.7%
4-Aug									0	0	0	0	0	0	0	0									0	0.0%
5-Aug	2	6	2	4	0	-6	-2	-2									0	0	0	0	0	0	0	4	8	0.9%
6-Aug									0	0	0	0	0	0	0	0									0	0.0%
7-Aug	2	2	6	16	2	-24	0	-2									0	0	0	0	0	0	0	2	4	0.4%
8-Aug									0	0	0	0	0	0	0	0									0	0.0%
9-Aug	26	18	14	8	0	-4	-4	0									0	2	4	6	0	2	0	0	72	7.8%
10-Aug	4								0	0	0	0	0	0	0	0									4	0.4%
11-Aug	6	12	8	0	0	0	0	0									0	0	0	0	0	0	6	6	38	4.1%
12-Aug									0	0	-2	0	0	0	0	2									0	0.0%
13-Aug	0	16	6	-8	4	2	0	0									0	0	0	0	0	0	0	2	22	2.4%
14-Aug									0	0	0	0	0	0	0	0									0	0.0%
15-Aug	68	8	-6	-14	-10	-6	-4	-2									0	0	0	2	0	10	0	0	46	5.0%
16-Aug									0	0	0	0	0	0	0	0									0	0.0%
17-Aug	0	24	14	0	-4	-2	0	-4									2	2	0	0	0	0	0	0	32	3.5%
18-Aug									-2	0	0	0	0	0	0	0									-2	-0.2%
19-Aug						0	-2	0	0	0	0	0	0									2	0	2	2	0.2%
20-Aug	4	0	4	2	-2									0	0	0	0	0	0	0	0	0	0	0	8	0.9%

- continued -

Table 19. (Page 3 of 3).

Shaded areas indicate hours not counted

Date	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	Total	% of Total
21-Aug	0	14	2	-6	-2																	0	0	0	8	0.9%
22-Aug	0	0	0	0	0	-2	-2	-2	0	0	0	0	0									0	0	0	-6	-0.7%
23-Aug	4	0	0	0	0									0	0	0	0	2	0	0	2	16	0	0	24	2.6%
24-Aug	0	2	0	2	2																	2	0	2	10	1.1%
25-Aug	4	6	0	2	0	-4	0	-2	-4	0	0	0	0									0	0	22	24	2.6%
26-Aug	0	2	0	0	0									0	0	0	0	0	0	0	2	0	0	0	4	0.4%
27-Aug	0	0	0	0	0																	0	0	0	0	0.0%
28-Aug	0	0	2	0	0	0	-2	-14	0	0	0	0	0									8	0	24	18	2.0%
29-Aug	0	0	16	4	20									0	0	0	0	0	0	0	0	0	2	8	50	5.4%
30-Aug	6	4	0	0	0																	2	0	0	12	1.3%
31-Aug	4	4	2	2	0	0	0	-2	0	0	0	0	0									4	0	18	32	3.5%
1-Sep	40	2	2	0	2									2	0	0	-2	0	0	0	0	0	10	0	56	6.1%
2-Sep	46	14	2	12	4																	0	0	2	80	8.7%
3-Sep	8	0	4	0	-8	-4	-2	0	0	0	0	0	0									0	0	10	8	0.9%
4-Sep	4	14	6	6	0									0	0	0	0	0	0	2	0	0	0	2	34	3.7%
5-Sep	0	0	0	0	2																	0	16	0	18	2.0%
6-Sep	2	0	2	0	2	2	2	0	0	-14	0	0	0	End of counting season											-4	-0.4%
	270	170	90	30	30	-42	-8	-24	-4	-10	8	2	4	12	8	18	12	10	24	24	30	58	74	134	920	
	29.3%	18.5%	9.8%	3.3%	3.3%	-4.6%	-0.9%	-2.6%	-0.4%	-1.1%	0.9%	0.2%	0.4%	1.3%	0.9%	2.0%	1.3%	1.1%	2.6%	2.6%	3.3%	6.3%	8.0%	14.6%	100.0%	

Table 20. Age and sex composition of chum salmon samples, Nome River, Norton Sound, 1995.

On 24 July, 1995, 48 chum salmon were sampled in conjunction with eggtakes for the Nome River salmon restoration project.

		Brood Year and Age Group		
		1991	1990	
		(0.3)	(0.4)	Total
Stratum Date:	7/24/95			
Sampling Date:	7/24/95			
Sample Size:	48			
# of female chum		12	29	41
%		25.0%	60.4%	85.4%
# of male chum		2	5	7
%		4.2%	10.4%	14.6%
Total chum		14	34	48
%		29.2%	70.8%	100.0%

Table 21. Nome River counting tower climatological and stream observations, Norton Sound 1995.

Date	Time	Air Temp °C	Water Temp °C	% Cloud Cover	Water Guage	Water Visibility	Remarks
22-Jun	1500	14	9	65%	31.50	Clear	Windy
23-Jun	1200	15	6	90%	31.50	Clear	Foggy
24-Jun	1300	12	7	75%	29.75	Clear	Light wind
25-Jun	2000	10	8	100%	30.00	Fair	Fog and drizzle
26-Jun	1200	11	7	100%	30.00	Fair	
27-Jun	1200	14	8	98%	29.00	Fair	
28-Jun	1300	13	11	5%	28.50	Clear	
29-Jun	1300	14	11	75%	29.00	Fair	Cool and windy
30-Jun	1230	13	11	100%	28.75	Poor	Wind and rain
1-Jul	1100	11	8	100%	35.50	Poor	Wind
2-Jul							
3-Jul	1200	8	8	100%	29.00	Poor	Wind and poor light
4-Jul	1200	8	8	100%	29.00	Poor	SW wind and rain
5-Jul	1230	11	9	50%	29.00	Fair	
6-Jul	1200	14	9	25%	28.70	Poor	Wind
7-Jul	1200	12	10	100%	27.75	Poor	Wind and rain
8-Jul	1200	9	8	100%	34.00	Poor	Turbid, wind and rain
9-Jul							
10-Jul	1200	14	9	100%	28.50	Very good	Calm
11-Jul	1200	19	10	50%	27.50	Good	Light wind
12-Jul	1200	25	10	2%	27.00	Good	
13-Jul	1200	17	10	100%	27.00	Fair	Turbid water
14-Jul	1200	18	11	100%	26.50	Good	
15-Jul	1200	13	11	99%	26.50	Good	
16-Jul	1200	10	11	100%	25.00	Fair	
17-Jul							
18-Jul	1200	12	9	100%	24.50	Poor	
19-Jul	1200	10	9	100%	24.50	Poor	Drizzle, fog and wind
20-Jul	1200	11	9	100%	24.00	Fair	
21-Jul	1200	10	10	96%	24.00	Fair	
22-Jul	1200	15	12	100%	23.00	Fair	
23-Jul	1200	12	10	100%	26.00	Poor	Rain
24-Jul							
25-Jul	1230	18	12	25%	23.50	Poor	North wind to 20 mph
26-Jul	1200	22	12	1%	22.50	Very good	
27-Jul	1200	18	13	8%	22.00	Very good	
28-Jul	1200	19	12	5%	22.00	Very good	
29-Jul	1200	15	12	20%	21.50	Very good	
30-Jul	1200	18	13	20%	21.50	Very good	
31-Jul							
1-Aug	1200	15	13	30%	21.00	Very good	

- continued -

Table 21. (Page 2 of 2).

Date	Time	Air Temp °C	Water Temp °C	% Cloud Cover	Water Guage	Water Visibility	Remarks
2-Aug	1200	17	13	10%	21.00	Very good	
3-Aug	1200	19	13	5%	20.50	Good	Windy
4-Aug	1200	15	13	2%	20.25	Good	
5-Aug	1300	15	12	100%	20.50	Good	
6-Aug	1200	14	9	100%	22.00	Good	
7-Aug	1200	15	8	2%	22.00	Very good	
8-Aug	1200	13	9	45%	20.50	Good	
9-Aug	1700	10	10	100%	21.00	Good	
10-Aug	1200	13	9	45%	20.50	Good	
11-Aug	1300	15	9	15%	21.00	Poor	Windy
12-Aug	1300	14	9	80%	20.00	Good	
13-Aug	1200	13	10	50%	20.00	Good	
14-Aug	1200	16	9	20%	19.50	Good	
15-Aug	2000	10	12	5%	19.00	Very Good	
16-Aug	1200	13	11	100%	19.00	Good	Low clouds and cool
17-Aug	1400	12	10	40%	18.50	Good	
18-Aug	1200	11	9	100%	19.00	Good	
19-Aug	1600	13	10	60%	19.50	Fair	
20-Aug	1330	11	10	100%	19.25	Fair	
21-Aug	1200	13	10	100%	20.00	Fair	Rain
22-Aug	1300	12	11	100%	22.00	Fair	Cool, misty and foggy
23-Aug	1400	15	12	25%	22.00	Poor	
24-Aug	1230	14	10	2%	19.50	Fair	
25-Aug	2000	14	11	60%	18.75	Fair	
26-Aug	1230	12	10	100%	18.75	Fair	Fog
27-Aug	1200	19	12	55%	18.75	Good	Warm winds
28-Aug	1230	17	12	0%	18.25	Good	
29-Aug	1530	14	11	100%	18.25	Fair	Windy
30-Aug	1500	12	11	100%	24.00	Fair	Rain and very windy
31-Aug	1230	11	10	75%	23.00	Fair	Rain
1-Sep	1630	8	9	40%	19.50	Good	Rain
2-Sep	1400	8	8	90%	22.50	Fair	Rain
3-Sep	1330	6	6	85%	20.00	Good	Cold and windy
4-Sep	1330	8	6	70%	19.50	Good	NW wind and hard frost
5-Sep	2130	6	7	25%	19.00	Good	Cold wind
6-Sep	1130	9	5	10%	19.00	Fair	Windy and cold

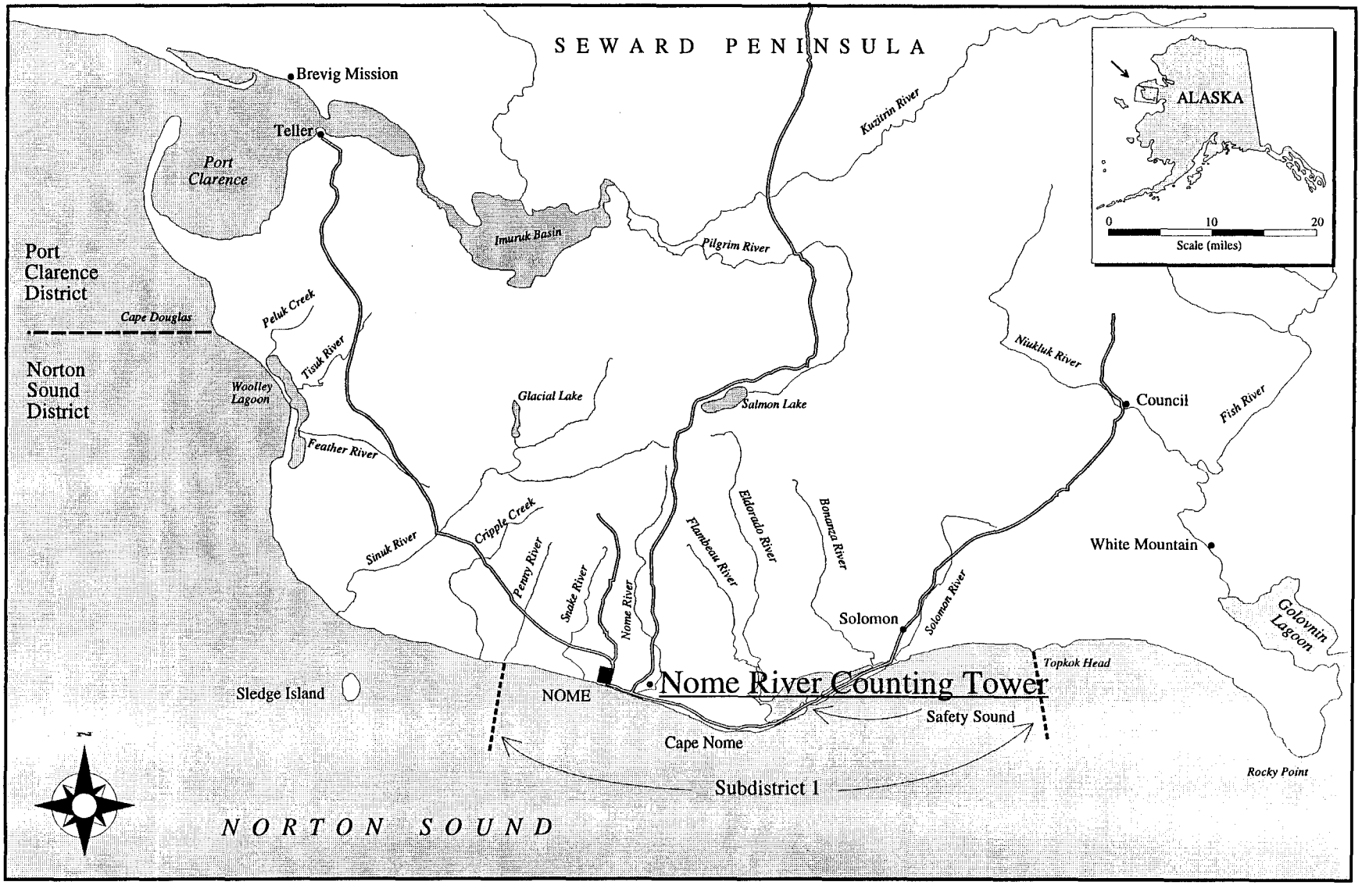

Figure 1. Area Location map of the Nome River counting tower project site , Norton Sound , 1995

Figure 2. Nome River tower cumulative salmon passage, Norton Sound 1995.

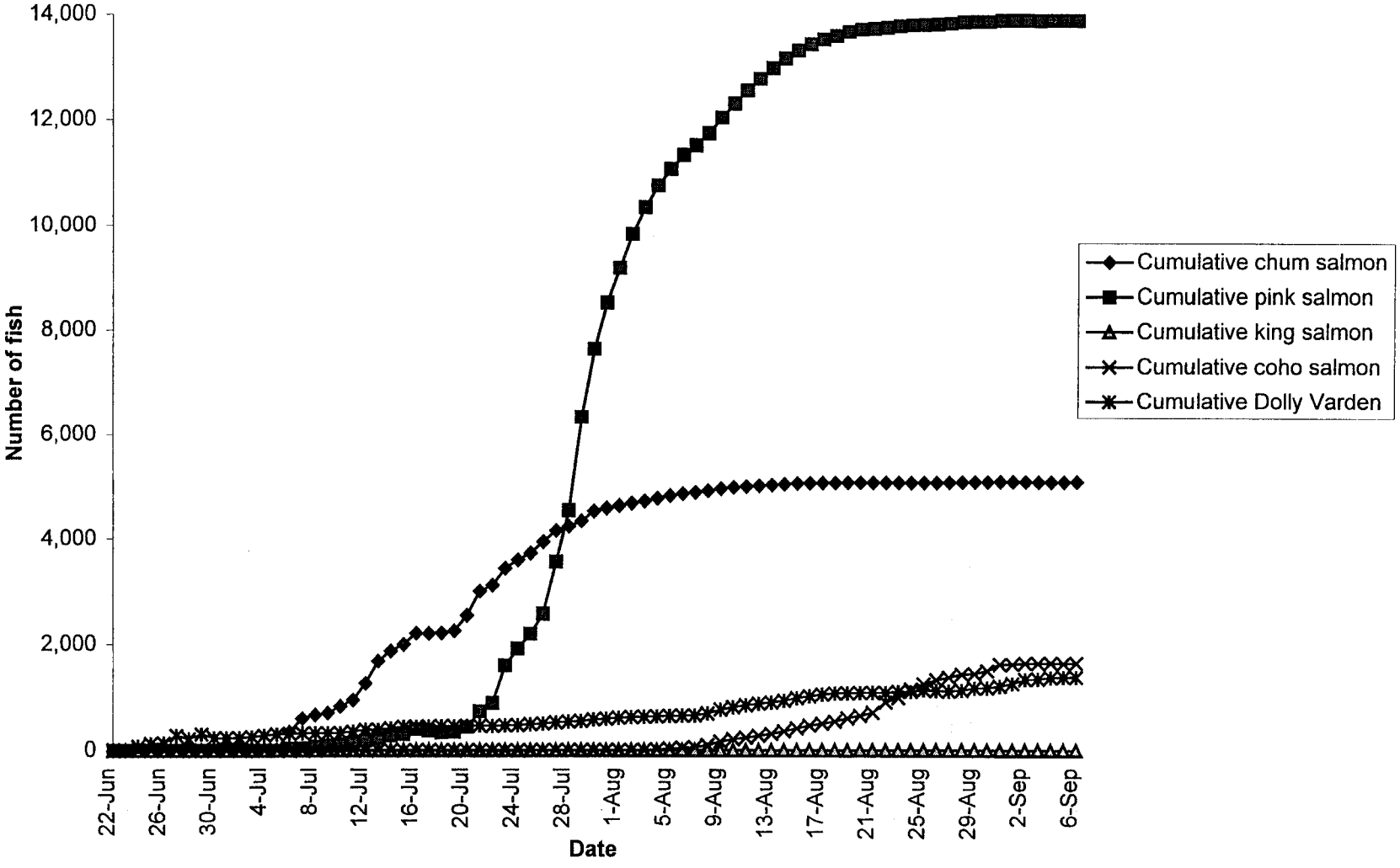

Figure 3. Daily chum salmon migration past the Nome River counting tower, Norton Sound, 1995.

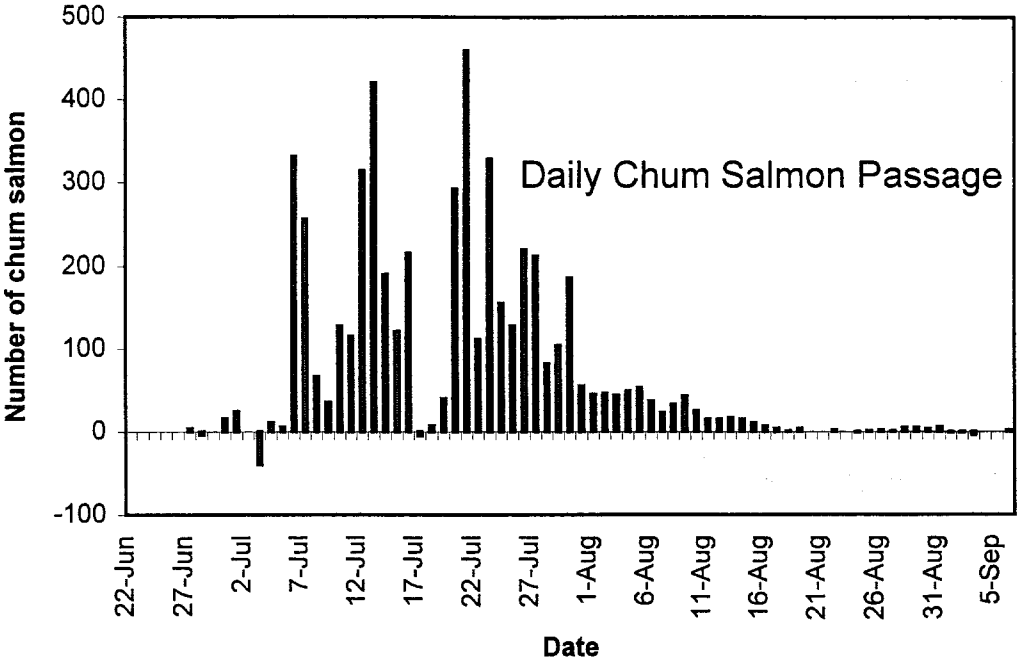

Figure 4. Cumulative chum salmon migration past the Nome River counting tower, Norton Sound, 1995.

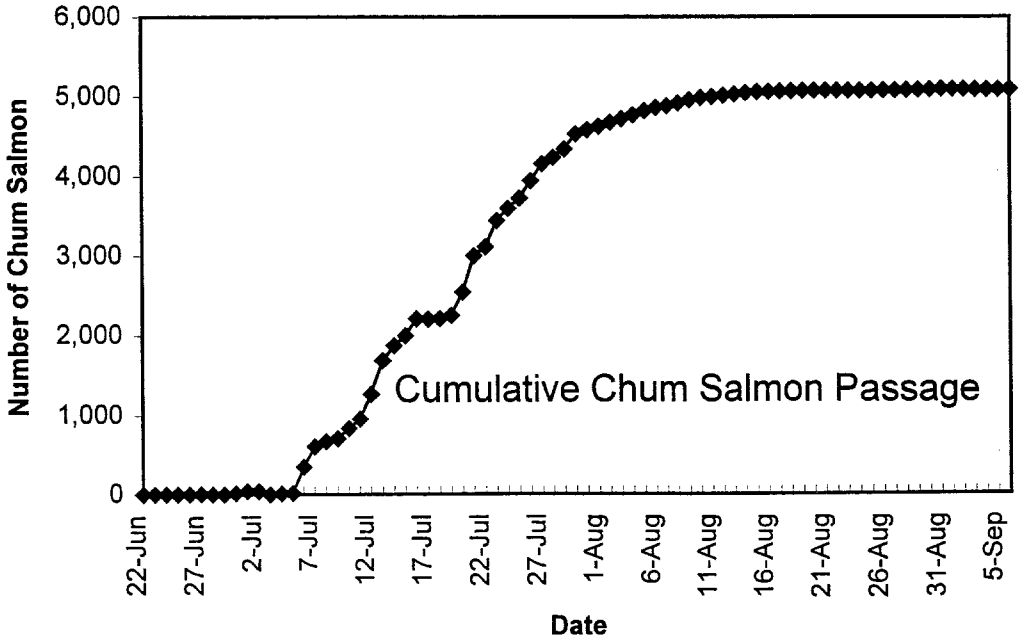

Figure 5. Daily pink salmon migration past the Nome River counting tower, Norton Sound, 1995.

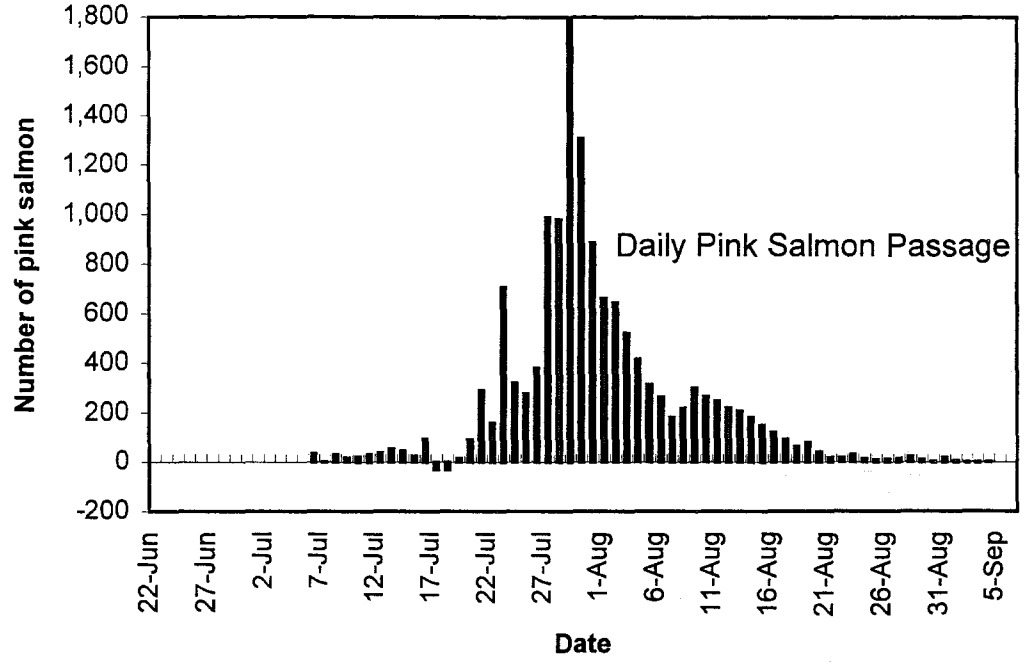

Figure 6. Cumulative pink salmon migration past the Nome River counting tower, Norton Sound, 1995.

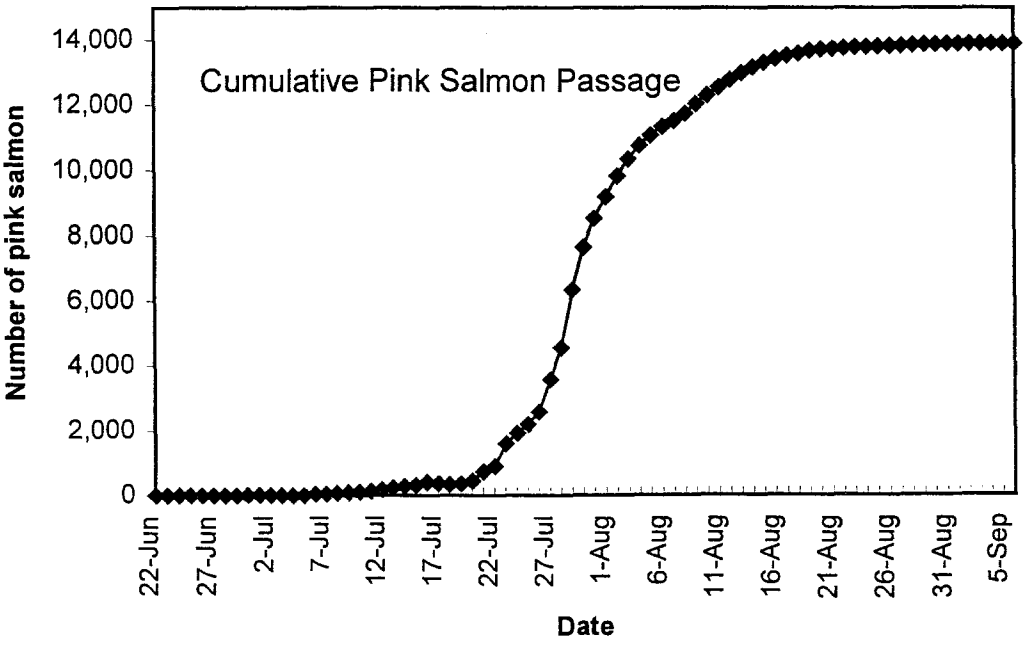

Figure 7. Daily king salmon migration past the Nome River counting tower, Norton Sound, 1995.

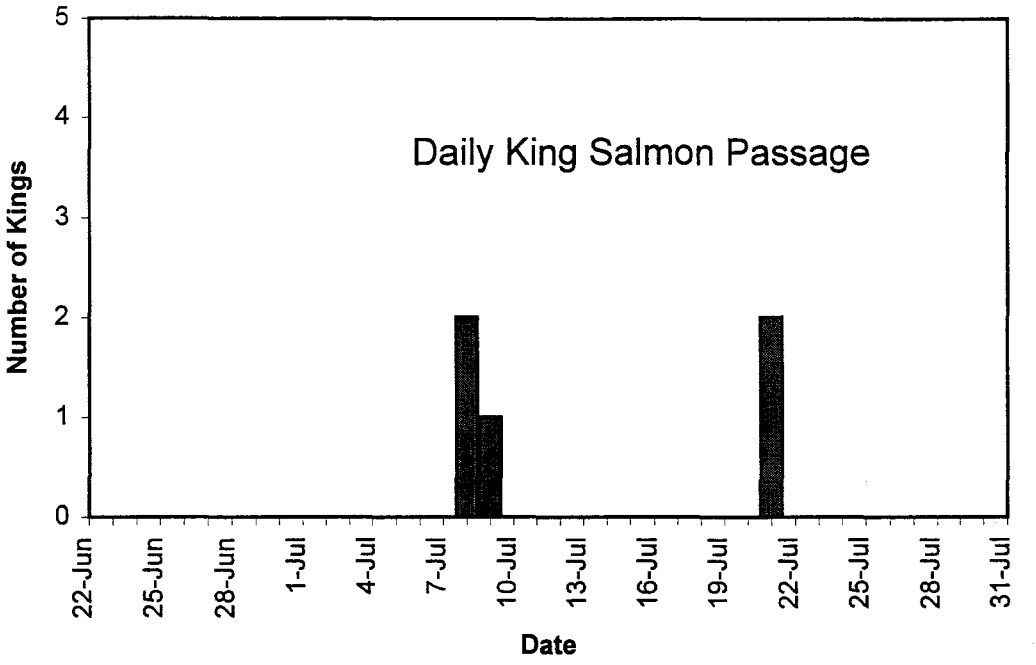

Figure 8. Cumulative king salmon migration past the Nome River counting tower, Norton Sound, 1995.

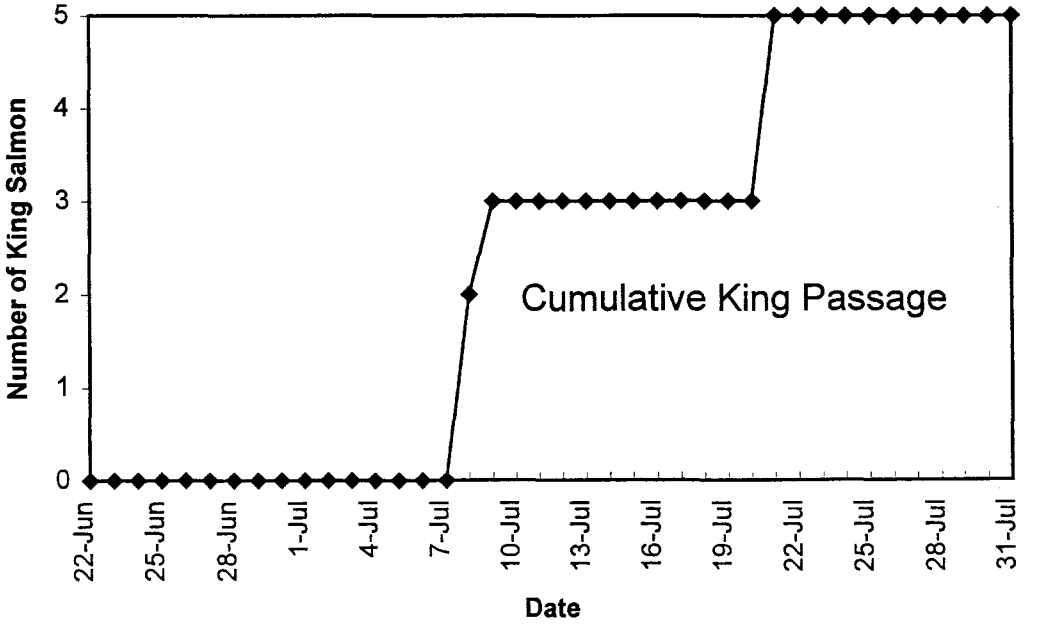

Figure 9. Daily coho salmon migration past the Nome River Counting Tower, Norton Sound, 1995.

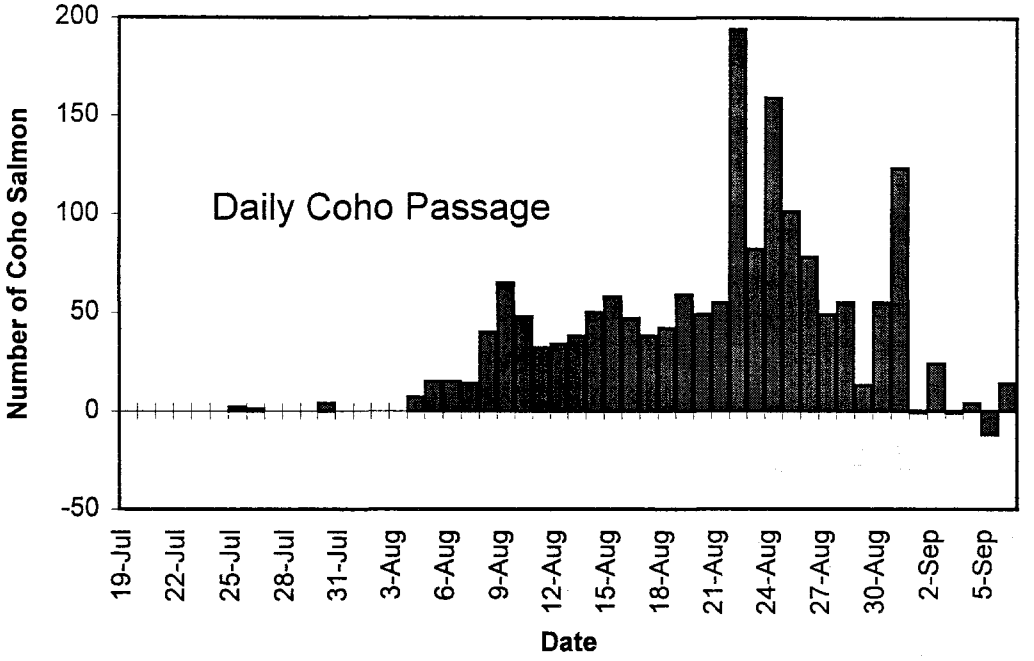

Figure 10. Cumulative coho salmon migration past the Nome River counting tower, Norton Sound, 1995.

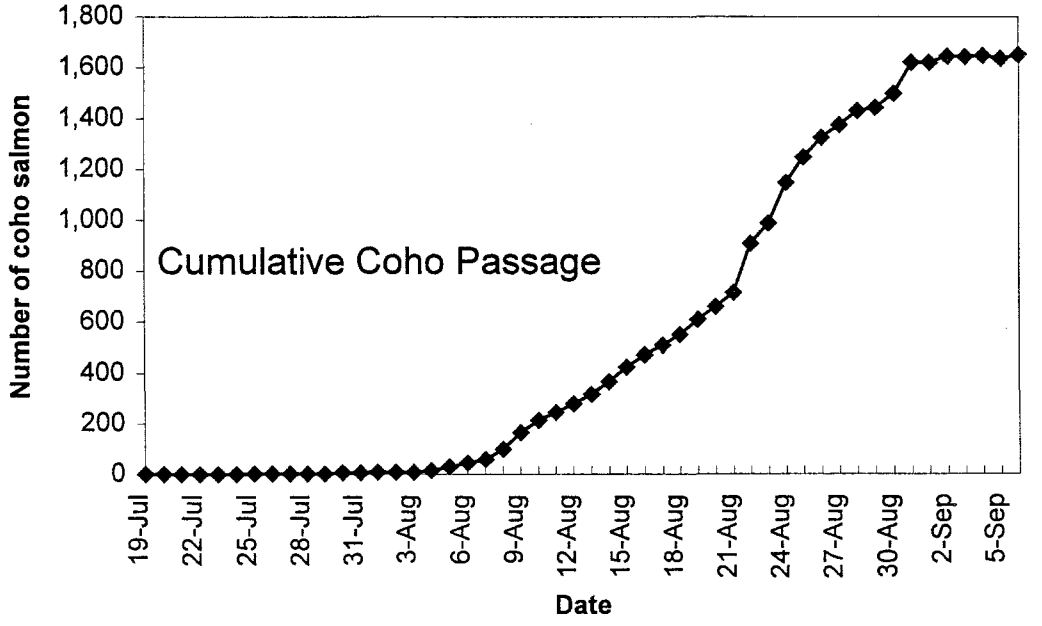

Figure 11. Daily Dolly Varden migration past the Nome River counting tower, Norton Sound, 1995.

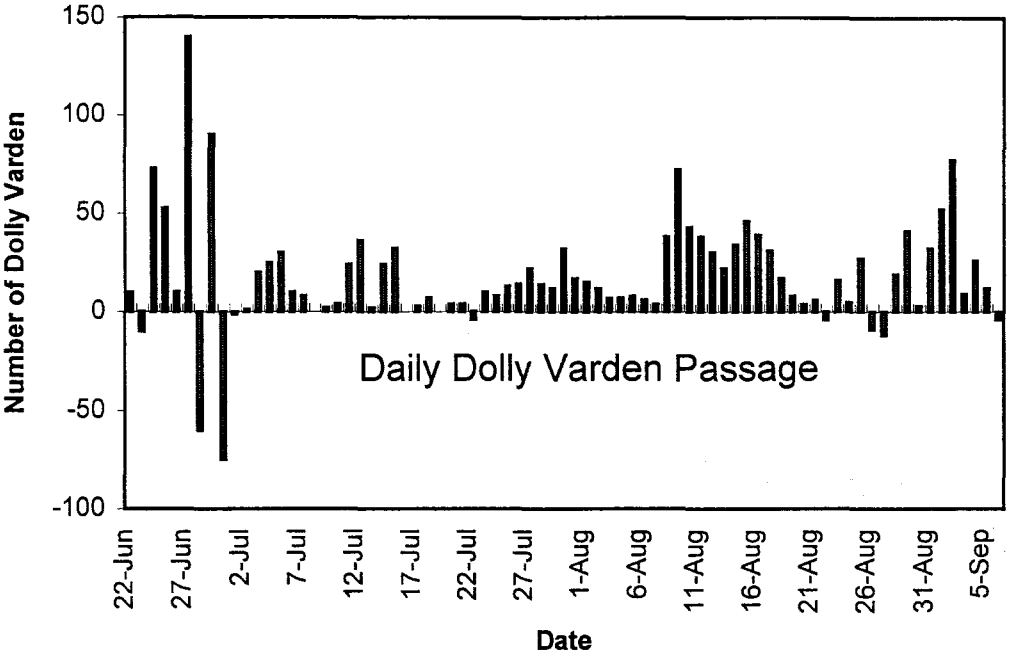

Figure 12. Cumulative Dolly Varden migration past the Nome River counting tower, Norton Sound, 1995.