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Summary of Pacific Salmon Escapement Goals in Alaska with a Review of Escapements from 2016 to 2024

by

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and

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Alaska Department of Fish and Game **Divisions of Sport Fish and Commercial Fisheries**

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Weights and measures (metric)

centimeter	cm
deciliter	dL
gram	g
hectare	ha
kilogram	kg
kilometer	km
liter	L
meter	m
milliliter	mL
millimeter	mm

Weights and measures (English)

cubic feet per second	ft^3/s
foot	ft
gallon	gal
inch	in
mile	mi
nautical mile	nmi
ounce	oz
pound	lb
quart	qt
yard	yd

Time and temperature

day	d
degrees Celsius	°C
degrees Fahrenheit	°F
degrees kelvin	K
hour	h
minute	min
second	s

Physics and chemistry

all atomic symbols	
alternating current	AC
ampere	A
calorie	cal
direct current	DC
hertz	Hz
horsepower	hp
hydrogen ion activity (negative log of)	pH
parts per million	ppm
parts per thousand	ppt, ‰
volts	V
watts	W

General

Alaska Administrative Code	AAC
all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.
all commonly accepted professional titles	e.g., Dr., Ph.D., R.N., etc.
at	@
compass directions:	
east	E
north	N
south	S
west	W
copyright	©
corporate suffixes:	
Company	Co.
Corporation	Corp.
Incorporated	Inc.
Limited	Ltd.
District of Columbia	D.C.
et alii (and others)	et al.
et cetera (and so forth)	etc.
exempli gratia (for example)	e.g.
Federal Information Code	FIC
id est (that is)	i.e.
latitude or longitude	lat or long
monetary symbols (U.S.)	$, ¢
months (tables and figures): first three letters	Jan,...,Dec
registered trademark	®
trademark	™
United States (adjective)	U.S.
United States of America (noun)	USA
U.S.C.	United States Code
U.S. state	use two-letter abbreviations (e.g., AK, WA)

Mathematics, statistics

all standard mathematical signs, symbols and abbreviations	
alternate hypothesis	H_A
base of natural logarithm	*e*
catch per unit effort	CPUE
coefficient of variation	CV
common test statistics	(F, t, χ^2, etc.)
confidence interval	CI
correlation coefficient (multiple)	R
correlation coefficient (simple)	r
covariance	cov
degree (angular)	°
degrees of freedom	df
expected value	*E*
greater than	>
greater than or equal to	≥
harvest per unit effort	HPUE
less than	<
less than or equal to	≤
logarithm (natural)	ln
logarithm (base 10)	log
logarithm (specify base)	$\log_2$, etc.
minute (angular)	′
not significant	NS
null hypothesis	H_O
percent	%
probability	P
probability of a type I error (rejection of the null hypothesis when true)	α
probability of a type II error (acceptance of the null hypothesis when false)	β
second (angular)	″
standard deviation	SD
standard error	SE
variance	
population	Var
sample	var

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ABSTRACT

This report summarizes statewide Pacific salmon escapement goals in effect in 2024 and documents escapements for all stocks with goals from 2016 through 2024. Annual escapements are compared against escapement goals in place at the time to assess outcomes, with summaries by the Division of Commercial Fisheries regions. We list methods used to enumerate escapements and to develop current escapement goals (with brief descriptions) for each monitored stock. For the 2023–2024 Alaska Board of Fisheries meeting cycle, escapement goals were reviewed for the Lower Cook Inlet and Upper Cook Inlet Management Areas in the Central Region, and the Kodiak Management Area in the Westward Region. As a result of these reviews, there were 44 escapement goal changes for 2024. In Lower Cook Inlet, 2 Chinook and 2 sockeye salmon escapement goals were updated. An additional 30 escapement goals were eliminated (12 chum and 18 pink salmon) and replaced with 6 aggregate goals (3 for chum salmon and 3 for pink salmon). In Upper Cook Inlet, 1 Chinook salmon escapement goal was updated. In the Kodiak Management Area, 1 sockeye salmon escapement goal was eliminated, and another sockeye salmon goal was replaced by a weir-based goal instead of an aerial survey-based goal. With these changes, the number of salmon escapement goals in Alaska decreased to 233. In 2024, 67% of the escapement goals in Alaska were met or exceeded, and 33% of the stocks did not meet minimum escapement goals.

Keywords: escapement, escapement goals, Chinook salmon, sockeye salmon, coho salmon, pink salmon, chum salmon, Alaska Board of Fisheries, BOF, statewide, Alaska

INTRODUCTION

Scientifically defensible Pacific salmon escapement goals are a central tenet of fisheries management in Alaska. Escapement goals are founded in the sustained yield principle, highlighted in the State of Alaska Constitution (Article VIII, section 4) and in state statute (AS 16.05.020). Several policies in the Alaska Administrative Code also provide guidance for establishing escapement goals, including the policy for the management of sustainable salmon fisheries (5 AAC 39.222), the policy for statewide salmon escapement goals (5 AAC 39.223), and the policy for the management of mixed stock salmon fisheries (5 AAC 39.220). These policies provide detailed definitions of specific escapement goal types, outline the responsibilities of the Alaska Department of Fish and Game (ADF&G) and the Alaska Board of Fisheries (BOF) in establishing goals, and provide general direction for the development and application of escapement goals in Alaska. In 2024, there were 233 salmon stock escapement goals throughout the state of Alaska (Figure 1).

It is the responsibility of ADF&G to document, establish, and review biological and sustainable escapement goals; prepare scientific analyses in support of escapement goals; notify the public when escapement goals are established or modified; and notify the BOF of allocative implications associated with escapement goals. The foundation for this effort is the regional or area escapement goal review teams that assemble every 3 years to review goals, recommend changes, establish new goals, or eliminate goals. The teams have broad expertise in biological characteristics of salmon stocks and technical approaches for establishing goals. Scientific staff from headquarters may assist regional teams in addressing issues of general importance for escapement goal development and application in Alaska. A detailed regional report of escapement goal recommendations is presented to the BOF and the public at triennial BOF meetings for that region or area. Following the BOF meeting, recommended goals are presented to the directors of the Divisions of Commercial Fisheries and Sport Fish for final approval.

Although the development of escapement goals is exhaustively detailed in regional and area reports and supporting documents (e.g., stock-specific reports), this statewide summary report allows readers to examine the goals and recent escapements for salmon stocks in a single

document. It provides an overview of salmon stocks with escapement goals and includes the following for each: a numerical description of the escapement goal, the type of escapement goal, the year in which the current escapement goal was first implemented, and recent years' escapement data for each stock. In addition, statistics documenting work done to achieve escapement goals are summarized and presented, and a statewide summary of stocks with yield or management concerns is included, as recommended by ADF&G and established by the BOF. Data presented in this document are the most recently available at the time of publication and supersede data in previous annual statewide escapement reports. This report is intended to be a resource for ADF&G staff, stakeholders, and the public.

METHODS

ADF&G escapement goal reports and supporting documents were reviewed to catalog current escapement goals in each region for 5 species of Pacific salmon, including information on stock name, type of goal, numerical description of the goal, and the year it was implemented (i.e., the first season that the goal was used to manage escapements). Regional and area staff from the Divisions of Commercial Fisheries and Sport Fish provided the most current escapement estimates from 2016 through 2024 for each stock with an established escapement goal. The escapement goals listed are those in effect during the 2024 spawning season, including escapement goals that were established or updated during the 2023/2024 BOF regulatory cycle (Appendix A).

Escapements from 2016 through 2024 were compared against escapement goals in place at the time of enumeration to assess outcomes in achieving goals. Escapements for a particular stock were classed as *Under* if escapement for a given year was less than the lower bound of the escapement goal. If escapement fell within the escapement goal range or was greater than a lower-bound goal, we considered the goal *Met*. Where escapement exceeded the upper bound of an escapement goal range, it was classed as *Over*. Where escapement goals or enumeration methods changed between 2016 and 2024 for a stock, we assessed outcomes by comparing escapement estimates with the goals and methods in place at the time of the fishery. Information on previous escapement goals and methods came from a detailed review of regional escapement goal reports, supporting documents, and conversations with regional and area biologists.

A variety of methods are used to develop escapement goals in Alaska, and brief descriptions of each are summarized below. The most commonly used methods are listed first, followed by the less common methods.

Percentile Method: A method for establishing sustainable escapement goals (SEG) was originally developed by Bue and Hasbrouck[1] and refined by Clark et al. (2014). Contrast of the observed annual escapements (largest escapement divided by smallest escapement), measurement error in escapements, and estimated exploitation rate of the stock are used to select percentiles of observed escapements that are used to establish lower and upper bounds of the escapement goal.

Spawner–Recruit Analysis (SRA): This method analyzes the relationship between escapement (number of spawners) and subsequent production of recruits (i.e., adult returns) in the next generation. There are several SRA models, but the Ricker production model (Ricker 1954) is almost exclusively used for salmon stocks in Alaska.

[1] Bue, B. G., and J. J. Hasbrouck. *Unpublished*. Escapement goal review of salmon stocks of Upper Cook Inlet. Report to the Alaska Board of Fisheries November 2001 (and February 2002). Alaska Department of Fish and Game, Anchorage.

Risk Analysis: Risks of management error, an unneeded management action, or mistaken inaction in future years are estimated based on a precautionary reference point established using past observations of escapement (Bernard et al. 2009). This method is primarily used to guide the establishment of a lower-bound SEG for nontargeted stocks of salmon.

Yield Analysis: Graphical or tabular examination of yields produced from observed escapement indices allows identification of the escapement range with the greatest yields (Hilborn and Walters 1992).

Theoretical Spawner–Recruit Analysis (Theoretical SRA): This method is used in situations where there are few or no stock-specific harvest estimates or age data. Information from nearby stocks, or generalizations about the species, are used in a spawner–recruit production model to estimate the number of spawners needed to achieve maximum sustained yield (e.g., Clark 2005).

Empirical Observation: Goal development methods classified as *Empirical Observation* are generally ad hoc methods for stocks with limited or sparse data. Goals are based on observed escapements over time and may be calculated as the average escapement or the value of a low escapement for which there is evidence that the stock is able to recover, such as Norton Sound pink salmon *Oncorhynchus gorbuscha* escapement goals (ADF&G 2004).

Zooplankton Model: This model estimates the number of sockeye salmon *O. nerka* smolts of a threshold or optimal size that a lake can support based upon measures of zooplankton biomass and surface area of the lake (Koenings and Kyle 1997). Adult production is then estimated from predicted smolt production by applying marine survival rates for a range of smolt sizes.

Spawning Habitat Model: Estimates of spawning capacity or number of spawners that produce maximum sustained yield are based on the relationship with the watershed area, available spawning habitat in a drainage, or stream length. Spawning habitat models have been developed for sockeye salmon (Burgner et al. 1969), coho salmon *O. kisutch* (Bradford et al. 1997; Bradford et al. 2000), and Chinook salmon *O. tshawytscha* (Parken et al. 2006).

Euphotic Volume Model: The measurement of the volume of a lake where enough light penetrates to support primary production (i.e., euphotic volume) is used to estimate sockeye salmon smolt biomass (Koenings and Burkett 1987), from which adult escapement is then estimated using marine survival rates.

Lake Surface Area: Similar to spawning habitat models, the relationship between the lake surface area and escapement is used to estimate adult sockeye salmon production (Honnold et al. 1996; Nelson et al. 2006).

RESULTS AND DISCUSSION

Summaries of estimated escapements and escapement goals for each monitored salmon stock from 2016 to 2024 are presented by region and species in Tables 1–4. Although most information was available through regional, area, and stock-specific escapement goal reports, 2024 data were primarily obtained directly from area and regional biologists. Data for 2024 should often be considered preliminary estimates because complete data regarding subsistence and sport harvests are frequently not available immediately following the season.

For the 2023–2024 BOF meeting cycle, escapement goals were reviewed for the Lower Cook Inlet (LCI; Otis et al. 2023) and Upper Cook Inlet (UCI; McKinley et al. 2024) management areas in the Central Region and Kodiak Management Area (KMA; Foster et al. 2023) in the Westward

Region. These reviews resulted in 44 escapement goal changes in 2024 (Table 5). In LCI, 2 Chinook and 2 sockeye salmon escapement goals were updated. An additional 30 escapement goals for individual systems were eliminated (12 chum and 18 pink salmon) and replaced with 6 district-level aggregate goals (3 for chum salmon and 3 for pink salmon). In UCI, 1 Chinook salmon escapement goal was updated. In the Kodiak Management Area, 1 sockeye salmon escapement goal was eliminated and another sockeye salmon goal, based on aerial surveys, was replaced by a weir-based goal. Overall, the total number of salmon escapement goals in Alaska decreased to 233 in 2024.

A summary of escapement goal types for all salmon species by region indicates that the majority of goals in Central, Arctic–Yukon–Kuskokwim, and Westward Regions are SEGs, including lower-bound SEGs, with biological escapement goals (BEGs) making up a smaller proportion of goals (Figure 1a). The reverse is true for Southeast Region, where a little over half of the goals are BEGs. Escapement goals for sockeye and Chinook salmon make up 50% of all escapement goals statewide, with most goals for each species being SEGs (Figure 1b). Optimal escapement goals (OEGs) and inriver goals established by the BOF, and goals based upon international agreements, collectively, represent a small proportion of escapement goals in Alaska.

The Division of Commercial Fisheries regions summarizes the use of different escapement goal types for each salmon species (Figures 2–5). Among the 4 regions, there are some distinct differences in the distribution of goal types by salmon species. In the Southeast Region, the majority of goals are BEGs, including all pink salmon goals, all but 1 Chinook salmon goal, 54% of the coho salmon goals, and 42% of the sockeye salmon goals (Figure 2). This contrasts with the Central Region, where many goals are SEGs, with 1 Chinook and 2 sockeye salmon stocks representing the only BEGs (Figure 3). The Arctic–Yukon–Kuskokwim Region has the only BEG for chum salmon (*O. keta*) in the state, in addition to BEGs for 2 Chinook salmon stocks (Figure 4). All Chinook salmon stocks in the Westward Region are BEGs, but compared to the Southeast Region, a much smaller proportion of sockeye salmon goals are BEGs (Figure 5). These are broad generalizations that are immediately apparent, but there are many reasons that the distribution of goal types would be different among regions, including fishery structure, stock assessment capacity (e.g., stock-specific data), and technical approaches.

Summary comparisons of estimated escapements with escapement goals in place at the time are presented (Tables 6–9), highlighting whether the goal was exceeded, met, or not met. This report presents important information about changes in stock assessment methods, or goal ranges during the specified years that is essential for a thorough understanding of the escapement estimates and evaluations of outcomes in comparison to goals (Tables 1–4 and 6–9). Summaries of outcomes in achieving goals are presented by species (Tables 10–13) and region (Tables 14–17, Figures 6–9). Patterns in achieving escapement goals from year to year have varied within each region (Tables 14–17, Figures 6–9). In 2024, 67% of the stocks assessed had escapements that met or exceeded their escapement goals. The percentage of all stocks assessed in 2024 that were within the goal range (or above the lower bound if a lower-bound SEG) was 47%, which is within the observed range for recent years (40–50%; Figure 10a). In 2024, 21% of the goals were exceeded, which was a decrease from 33% in 2023 (Figure 10c). In recent years, the percentage of escapement goals that were exceeded ranged from 18% to 41%. The percentage of goals for which minimum escapement was not achieved in 2024 was 33%—an increase from 25% in 2023 and more than the recent average of 28% (2016–2023; Figure 10b).

It is important to document outcomes for escapement goals that are fundamental to ADF&G's efforts to manage for sustainable salmon stock productivity. Where escapements chronically (4–5 years) fail to meet expectations for harvestable yield or spawning escapements, ADF&G may recommend—and the BOF may adopt—a *stock of concern* (SOC) designation for those underperforming salmon stocks. The policy for the management of sustainable salmon fisheries (5 AAC 39.222) provides specific definitions for stocks of concern. *Yield concerns* arise from a chronic inability to maintain expected yields or harvestable surpluses above escapement needs. *Management concerns* are precipitated by a chronic failure to maintain escapements within the bounds, or above the lower bound of the established goal. A *conservation concern* may arise from a failure to maintain escapements above a sustained escapement threshold. Methods to develop stock-specific sustained escapement thresholds, as defined in the sustainable salmon fisheries policy, are not well developed for Pacific salmon, and no sustained escapement thresholds or stocks of conservation concern exist in Alaska.

In 2024, there were 21 stocks of concern (SOC) in Alaska. At the September 2023 Board of Fisheries (BOF) Work Session, the department submitted SOC memos for the Lower Cook Inlet, Upper Cook Inlet, and Kodiak Management Areas. The department recommended continuing the stock of management concern designations for Theodore River, Chuitna River, Alexander Creek, East Susitna River, Karluk River, and Ayakulik River Chinook salmon stocks, as well as McNeil River chum salmon. Additionally, the department recommended listing Kenai River late-run Chinook salmon and Mikfik Lake sockeye salmon under stock of management concern designations. Action plans for these newly listed stocks were adopted during the November 2023 and February 2024 BOF meetings. In October 2024, the department recommended delisting the Chickamin River, Unuk River, and Chilkat River Chinook salmon stocks, along with Klukshu River sockeye salmon. At the same time, the department recommended continuing SOC designations for Stikine River, Andrew Creek, King Salmon River, and Taku River Chinook salmon stocks, as well as McDonald Lake sockeye salmon. Lastly, the department recommended new SOC listings for Hugh Smith Lake sockeye salmon and Northern Southeast Outside Subregion chum salmon. All newly listed stocks were designated as stocks of management concern, as outlined in Table 18a. Additionally, a reference list of historical SOC listings is provided in Table 18b. The array of methods used to enumerate salmon for each of the stocks with escapement goals, as well as methods used to assist ADF&G staff in developing the escapement goal for a given stock, are summarized by region (Tables 19–22).

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TABLES

Table 1.–Southeast Region Chinook, chum, coho, pink, and sockeye salmon escapement goals and escapements, 2016 to 2024.

System	2024 Goal range		Type	Initial year	Escapement								
	Lower	Upper			2016	2017	2018	2019	2020	2021	2022	2023	2024
CHINOOK SALMON[a]													
Keta River	550	1,300	BEG	2018	1,342	903	1,662	1,041	668	707	689	759[b]	948[b]
Blossom River	500	1,400	BEG	2018	522	341	1,087	557	515	170	395	670[b]	654[b]
Chickamin River	2,150	4,300	BEG	2018	964	722	2,052	1,610	2,280	2,404	2,522	3,719[b]	2,176[b]
Unuk River	1,800	3,800	BEG	2009	1,463	1,203	1,971	3,115	1,135	2,666	1,304	2,072[b]	1,980[b]
Stikine River	14,000	28,000	BEG	2000	10,554	7,335	8,603	13,817	9,753	8,376	9,090	12,795	9,835[b]
Andrew Creek	650	1,500	BEG	1998	402	349	482	698	470	530	821	386	404[b]
King Salmon River	120	240	BEG	1997	149	85	30	27	100	134	123	68	85[b]
Taku River	19,000	36,000	BEG	2009	9,177	8,214	7,271	11,558	15,593	11,341	12,722	14,755	24,518[b]
Chilkat River	1,750	3,500	BEG[c]	2003	1,386	1,173	873	2,028	3,180	2,038	1,582	2,234	2,070[b]
Klukshu (Alsek) River[d]	eliminated			2018	646	443							
Alsek River[d]	3,500	5,300	BEG	2013	2,514	1,741	4,348	6,319	5,330	5,562	3,351	4,185[b]	4,811[b]
Situk River	450	1,050	BEG	2003	337	1,190	420	620	1,197	1,064	890	144	517[b]
CHUM SALMON													
Southern Southeast Summer	62,000		LB SEG	2015	90,000	84,000	127,000	105,000	70,000	77,000	136,000	276,000	111,400
Northern Southeast Inside Summer	107,000		LB SEG	2018	59,900	256,200	100,000	115,600	49,200	61,300	108,100	303,200	NA[e]
Northern Southeast Outside Summer	25,000		LB SEG	2015	25,500	23,500	17,600	25,200	14,800	11,400	14,600	14,200	NA[e]
Cholmondeley Sound Fall	30,000	48,000	SEG	2009	30,000	52,000	70,000	20,000	30,000	55,000	42,000	93,000	38,000
Port Camden Fall	2,000	7,000	SEG	2009	4,700	4,200	1,000	4,800	1,500	2,200	700	800	2,000
Security Bay Fall	5,000	15,000	SEG	2009	14,300	15,500	5,600	14,300	11,500	3,000	3,000	18,500	8,400
Excursion River Fall	4,000	18,000	SEG	2009	1,400	14,500	6,200	3,600	200	1,900	800	7,700	600
Chilkat River Fall	75,000	250,000	SEG	2015	218,000	130,000	NA	224,000	23,000	169,000	343,000	751,000	NA
COHO SALMON													
Hugh Smith Lake	500	1,600	BEG	2009	948	1,266	619	1,239	634	903	892	2,207	1,177
Klawock River	4,000	9,000	SEG	2013[f]	24,242	7,412	13,578	5,287	5,783	5,289	6,968	9,919	5,143
Taku River	50,000	90,000	BEG	2015	87,704[b]	57,868[b]	51,173[b]	82,759[b]	52,063[b]	75,526[b]	66,034[b]	89,013[b]	64,996[b]
Auke Creek	200	500	BEG	1994	204	283	146	345	173	322	449	759	912
Montana Creek	400	1,200	SEG	2006	717	634	1,161	203	495	391	NC	NC	145
Peterson Creek	100	250	SEG	2006	52	20	172	NC	65	15	65	192	167
Ketchikan Survey Index	4,250	8,500	BEG	2006	13,419	11,563	13,886	7,913	8,610	21,006	11,945	22,695	36,290
Sitka Survey Index	400	800	BEG	2006	2,943	1,305	1,502	1,480	630	1,486	1,363	1,392	1,968
Ford Arm Creek	eliminated			2018	NS	NS							
Berners River	3,600	8,100	BEG	2018	6,733	7,040	3,550	9,405	3,296	5,933	4,472	8,039	10,159
Chilkat River	30,000	70,000	BEG	2006	26,280	33,383	65,749	34,779	28,802	53,597	42,452	70,881	58,889

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Table 1.–Page 2 of 3.

System	2024 Goal range Lower	Upper	Type	Initial year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
COHO SALMON (cont.)													
Tawah Creek (Lost River)	1,400	4,200	SEG	2015	746	1,455	2,211	1,866	NS	NS	NS	NS	3,985
Situk River	3,800	9,600	SEG	2022	6,177	4,122	6,198	10,381	NS	NS	NS	9,841	6,783
Tsiu/Tsivat Rivers	10,000	29,000	SEG	2018	31,000	38,000	48,600	NS	56,000	NS	NS	NS	NS
PINK SALMON													
Southern Southeast	3,000,000	8,000,000	BEG	2009	6,600,000	6,390,000	4,870,000	5,630,000	5,660,000	9,810,000	5,800,000	12,090,000	9,230,000
Northern Southeast Inside	2,500,000	6,000,000	BEG	2009	1,780,000	4,650,000	1,370,000	1,650,000	2,290,000	3,910,000	3,150,000	7,400,000	2,790,000
Northern Southeast Outside	750,000	2,500,000	BEG	2009	1,700,000	2,840,000	1,900,000	1,530,000	1,790,000	1,940,000	1,090,000	2,290,000	2,380,000
Situk River		eliminated		2018	24,949	263,830							
SOCKEYE SALMON													
Hugh Smith Lake	8,000	18,000	OEG[g]	2003	12,865	14,748	2,039	2,240	3,860	3,235	1,657	1,689	3,563
	8,000	18,000	BEG	2003									
McDonald Lake	55,000	120,000	SEG	2009	15,600	24,000	11,000	24,200	8,200	44,500	34,100	74,900	61,537[b]
Mainstem Stikine River[h]	20,000	40,000	SEG	1987	28,646	11,678	12,159	23,174	7,126	31,896[b]	45,250[b]	18,060[b]	54,867[b]
Tahltan Lake[i]	18,000	30,000	BEG	1993	38,458	19,241	16,350	36,787	11,158	42,846[b]	52,772[b]	37,759[b]	78,019[b]
Speel Lake	4,000	9,000	SEG	2015	5,538	3,435	4,244	6,447	NC	8,643	5,686	3,556	6,580
Taku River (historical)[j]		eliminated		2022	179,103	108,416	98,465	76,722					
Taku River (revised)[j]	40,000	75,000	BEG	2022	107,183	59,069	65,540	80,205	99,508	161,348[b]	90,396[b]	101,518[b]	112,671[b]
Redoubt Lake	7,000	25,000	OEG	2003	22,553	55,397	72,409	59,106	41,289	60,004	85,451	153,406	210,303
	10,000	25,000	BEG	2003									
Chilkat Lake	70,000	150,000	BEG	2009	87,622	88,197	108,047	136,091	50,746	65,199	100,634	128,002	103,198[b]
Chilkoot Lake	38,000	86,000	SEG	2009	86,721	43,098	85,463	140,378	60,218	98,672	57,176	69,688	64,817[b]
East Alsek-Doame River		eliminated		2018	19,200	22,500							
East Alsek River	9,000	24,000	SEG	2018	19,200	20,500	10,500	27,300	13,670	29,700	23,800	19,300	NA
Alsek River[k]		eliminated		2018	58,836	101,564							
Klukshu River	7,500	11,000	BEG	2013	7,391	3,711	7,143	18,749	4,287	25,691[b]	29,629[b]	13,690[b]	10,381[b]
Lost River		eliminated		2018	449	NS							
Situk River	30,000	70,000	BEG	2003	56,738	91,092	26,704	72,530	63,343	119,072	90,369	127,873	75,788[b]

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Note: BEG = biological escapement goal; SEG = sustainable escapement goal; LB SEG = lower-bound SEG; OEG = optimal escapement goal; NA = data not available; NC = no count; NS = no survey.

[a] Goals are for large (≥660 mm from mid eye to tail fork [METF], or fish age 1.3 and older) Chinook salmon, except for the escapement goals for the Klukshu and Alsek Rivers that are germane to fish age 1.2 and older and can include fish <660 mm METF. The Situk River Chinook salmon escapement goal is based on fish >711 mm total length.

[b] Preliminary data.

[c] Chilkat River Chinook salmon inriver run goal accounts for inriver subsistence harvests, which average <100 fish; see Lynn Canal and Chilkat River King Salmon Fishery Management Plan (5 AAC 33.384).

[d] Alsek and Klukshu River Chinook salmon escapement goals were bilaterally agreed upon in 2013 (TTC 2014). Escapement to the Alsek River is calculated through expansion of the Klukshu River inriver run by a factor of 4.0 and subtraction of any inriver harvests above Dry Bay in the lower Alsek River.

[e] Updated aerial survey indices prior to the 2024 season resulted in revised lower bound management goals for northern inside and outside summer-run chum salmon (95,000 and 19,500 fish, respectively). These goals were applied during the 2024 season but were not formally adopted until the 2024/2025 BOF meeting cycle.

[f] Klawock River coho salmon escapement goal was officially adopted in 2013, but escapement was managed for this goal beginning in 2007.

[g] Hugh Smith Lake sockeye salmon OEG includes wild and hatchery fish.

[h] Starting in the 2023 season, Stikine River mainstem sockeye were managed to the Pacific Salmon Commission escapement goal of 13,000–33,000 fish (TTC 2023), which was formally adopted by the State of Alaska during the 2024/2025 BOF meeting cycle.

[i] Starting in the 2023 season, Tahltan Lake sockeye were managed to the Pacific Salmon Commission escapement goal of 11,000–25,000 fish (TTC 2023), which was formally adopted by the State of Alaska during the 2024/2025 BOF meeting cycle. Tahltan sockeye salmon escapement count includes fish collected for broodstock.

[j] A BEG of 40,000–75,000 for Taku River sockeye salmon was adopted by the Pacific Salmon Commission prior to the 2020 fishing season and by the State of Alaska at the SEAK BOF meeting in 2022; revised goal based on reanalysis of mark-recapture data and spawner-recruit analysis (TTC 2020).

[k] Alsek River sockeye salmon run is not regularly assessed, so escapement numbers for every year are not available. Since 2013, Alsek River sockeye salmon have been managed to meet Klukshu River escapement goal as per the 2013 management plan (TTC 2014).

Table 2.–Central Region (Bristol Bay, Cook Inlet, and Prince William Sound/Copper River) Chinook, chum, coho, pink, and sockeye salmon escapement goals and escapements, 2016 to 2024.

System	2024 Goal range Lower	Upper	Type	Initial year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
CHINOOK SALMON													
Bristol Bay													
Nushagak River	55,000	120,000	SEG[a]	2013	118,077	52,297	91,354	41,258	40,313	52,199	40,334	28,331	42,621
Alagnak River	eliminated			2019	1,283	435	998						
Upper Cook Inlet													
Alexander Creek	1,900	3,700	SEG	2020	754	170	296	1,297	596	288	NC	NC	51
Campbell Creek	340		LB SEG	2024	544	475	287	393	154	339[b]	423[b]	171	160
Chuitna River	1,000	1,500	SEG	2020	1,372	235	939	2,115	869	806	NC	372	402
Chulitna River	1,200	2,900	SEG	2020	1,151	NC	1,125	2,765	845	1,535	NC	494	272
Clear (Chunilna) Creek	eliminated			2020	NS	780	940	1,511					
Crooked Creek	700	1,400	SEG	2020	1,747	911	714	1,444	830	594	735	500	550
Deshka River	eliminated			2020	22,874	11,383	8,548	9,705					
Deshka River	9,000	18,000	BEG	2020					10,638	18,674	5,440	3,741	3,440
Eastside Susitna River	13,000	25,000	SEG	2020					13,815	15,208	7,654	4,003	4,550[c]
Goose Creek	eliminated			2020	NC	148	90	NC					
Kenai R - early run (all fish)	eliminated[d]			2017	9,177								
Kenai River - early run (large fish)	3,900	6,600	OEG	2017		6,678	2,934	4,055	2,443	4,024	2,047	1,975	1,365
	2,800	5,600	SEG	2017									
Kenai River - late run (all fish)	eliminated			2017	18,790								
Kenai River - late run (large fish)	15,000	30,000	OEG	2020					11,854	12,238	13,911	14,502	6,630
	13,500	27,000	SEG	2017		20,583	17,405	11,709					
Lake Creek	eliminated			2020	3,588	1,601	1,767	2,692					
Lewis River	eliminated			2020	0	0[e]	0	0					
Little Susitna River (aerial)[f]	700	1,500	SEG	2020	1,622	1,192	530	NC	558	889	NC	NC	NC
Little Susitna River (weir)	2,100	4,300	SEG	2017		2,531	931	3,666	2,445[b]	3,121	2,288	799[b]	1014[b]
Little Willow Creek	eliminated			2020	675	840	280	631					
Montana Creek	eliminated			2020	692	603	473	789					
Peters Creek	eliminated			2020	1,122	307	1,674	1,209					
Prairie Creek	eliminated			2020	1,853	1,930	1,194	2,371					
Sheep Creek	eliminated			2020	NC	NC	334	NC					
Talachulitna River	eliminated			2020	4,295	1,087	1,483	3,225					
Talkeetna River	9,000	17,500	SEG	2020					7,279	9,107	4,288	2,216	3,132[c]
Theodore River	500	1,000	SEG	2020	68	21	18	201	111	38	NC	NC	33

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Table 2.–Page 2 of 6.

System	2024 Goal range Lower	Upper	Type	Initial year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
CHINOOK SALMON (cont.)													
Willow Creek	eliminated			2020	1,814	1,329	411	897					
Yentna River	16,000	22,000	OEG	2020					14,850	18,890	16,583	8,294	9,621
	13,000	22,000	SEG	2020									
Lower Cook Inlet													
Anchor River	3,200	6,400	SEG	2024	7,142	5,700	3,129	5,603	3,624	4,300	3,123	2,338	3,331
Deep Creek	350		LB SEG	2017	NS	753	182	751	327	NS	NS	NS	NS
Ninilchik River	900	1,600	SEG	2024	572	855	979	1,092	835	772	687	330	676
Prince William Sound													
Copper River	21,000	31,000	SEG	2022	12,485	33,655	42,202	35,145	21,587	18,431	32,006	40,254	18,526
CHUM SALMON													
Bristol Bay													
Nushagak River[g]	200,000		LB SEG	2013	419,810	415,488	735,628	514,339	110,592	124,419	99,654	98,259	261,399
Upper Cook Inlet													
Clearwater Creek	3,500	8,000	SEG	2017	5,056	7,040	1,800	9,600	3,970	9,440	4,681	6,350	830
Lower Cook Inlet													
Port Graham River	eliminated			2024	2,391	5,765	3,725	1,074	660	1,029	606	1,212	
Dogfish Lagoon	eliminated			2024	11,260	13,191	7,615	3,640	1,246	4,030	3,319	2,732	
Rocky River	eliminated			2024	4,620	6,922	5,620	6,569	5,010	6,542	5,580	7,912	
Port Dick Creek	eliminated			2024	9,323	2,633	724	2,000	1,040	3,261	2,817	7,126	
Island Creek	eliminated			2024	8,210	5,522	1,368	5,482	1,399	3,112	2,822	21,469	
Big Kamishak River	eliminated			2024	9,104	32,290	7,694	51,030	19,391	15,987	13,013	11,481	
Little Kamishak River	eliminated			2024	11,991	19,275	14,417	22,611	38,591	35,046	22,330	52,274	
McNeil River	eliminated			2024	26,262	38,679	37,331	9,205	8,850	15,219	17,739	25,142	
Bruin River	eliminated			2024	26,598	38,536	28,497	25,283	22,206	29,655	3,948	14,629	
Ursus Cove	eliminated			2024	7,032	22,025	3,718	13,400	4,367	7,500	6,977	16,190	
Cottonwood Creek	eliminated			2024	1,850	6,150	1,326	3,908	679	5,690	6,588	8,702	
Iniskin Bay	eliminated			2024	1,089	15,591	9,149	15,294	8,804	15,024	12,740	18,615	
Southern District	1,500	5,000	SEG	2024									1,928
Outer District	17,500	32,000	SEG	2024									11,146
Kamishak District	50,000	115,000	SEG	2024									35,258
Prince William Sound[h]													
Eastern District	79,000		LB SEG	2018	116,685	76,836	109,598	56,846	103,849	58,965	64,365	157,274	148,788
Northern District	28,000		LB SEG	2018	10,410	33,437	18,407	11,690	23,542	20,404	26,014	55,482	30,391

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Table 2.–Page 3 of 6.

System	2024 Goal range Lower	Upper	Type	Initial year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
CHUM SALMON (cont.)													
Coghill District	10,000		LB SEG	2018	976	13,210	13,617	3,437	8,998	2,395	8,629	6,250	8,856
Northwestern District	7,000		LB SEG	2018	3,954	7,118	15,563	3,258	7,405	6,979	13,372	NA	9,360
Southeastern District	11,000		LB SEG	2018	13,919	26,330	10,164	19,451	26,909	46,391	12,944	7,791	43,738
COHO SALMON													
Bristol Bay													
Nushagak River	60,000	120,000	SEG[i]	2013	NS	NS	111,455	51,852	NS	NS	NS	NS	NS
Upper Cook Inlet													
Deshka River	10,200	24,100	SEG	2017		36,869	13,072	10,445	NA	NA	NA	NA	NA
Fish Creek (Knik)	1,200	6,000	SEG	2020	2,484	8,966	5,022	3,025	4,555	6,462[b]	NA	1,534	235
Jim Creek	250	700	SEG	2020	106	607	758	162	735	1,499	1,899	378	376
Little Susitna River	9,200	17,700	SEG	2020	10,049	17,781	7,583[b]	4,229[b]	10,765	10,923	3,162[b]	NA	NA
Lower Cook Inlet													
There are no coho salmon stocks with escapement goals in Lower Cook Inlet													
Prince William Sound													
Copper River Delta	32,000	50,000	SEG	2022	76,200	43,760	53,800	36,420	36,445	45,485	30,340	44,440	39,731
Bering River	13,000	25,000	SEG	2022	26,150	30,650	26,525	10,015	25,825	19,450	4,685	20,950	29,000
PINK SALMON													
Bristol Bay													
Nushagak River	165,000		LB SEG	2013	NS	NS	628,069	NS	NS	NS	NS	NS	NS
Upper Cook Inlet													
There are no pink salmon stocks with escapement goals in Upper Cook Inlet.													
Lower Cook Inlet													
Humpy Creek	eliminated		SEG	2024	89,673	71,073	54,816	25,667	NS	3,125	2,055	15,478	
China Poot Creek	eliminated		SEG	2024	698	2,379	2,280	1,575	235	79	145	1,071	
Tutka Creek	eliminated		SEG	2024	33,242	61,369	60,691	53,732	114,986	50,911	22,908	103,043	
Barabara Creek	eliminated		SEG	2024	2,813	25,002	7,236	9,462	6,633	5,451	3,492	14,750	
Seldovia Creek	eliminated		SEG	2024	15,694	27,025	50,827	18,337	39,297	21,849	16,999	45,755	
Port Graham River	eliminated		SEG	2024	14,629	20,642	33,419	29,588	34,784	12,824	9,193	20,080	
Dogfish Lagoon Creeks	eliminated		SEG	2024	2,307	13,331	8,398	22,043	18,387	29,205	11,596	55,978	
Port Chatham	eliminated		SEG	2024	1,140	44,291	18,122	39,585	17,291	20,673	7,126	20,230	
Windy Creek Right	eliminated		SEG	2024	1,400	5,053	8,925	13,744	16,720	12,400	17,380	12,919	
Windy Creek Left	eliminated		SEG	2024	500	17,381	14,043	25,580	74,944	16,133	39,094	50,577	
Rocky River	eliminated		SEG	2024	4,300	31,189	2,088	75,412	8,310	41,446	12,542	41,111	
Port Dick Creek	eliminated		SEG	2024	4,819	62,098	94,585	93,157	108,219	115,740	30,411	67,708	

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Table 2.–Page 4 of 6.

System	2024 Goal Range Lower	Upper	Type	Initial year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
PINK SALMON (cont.)													
Island Creek	eliminated		SEG	2024	1,735	22,579	5,558	63,691	9,888	99,199	8,550	50,195	
S. Nuka Island Creek	eliminated		SEG	2024	10	540	545	2,453	3,943	6,567	2,300	7,161	
Desire Lake Creek	eliminated		SEG	2024	169	4,364	2,547	12,070	1,357	13,705	3,820	5,907	
Bruin River	eliminated		SEG	2024	86,632	71,100	94,715	43,800	57,320	78,374	330	29,617	
Sunday Creek	eliminated		SEG	2024	2,130	22,211	3,400	21,801	4,715	38,976	3,208	104,084	
Brown's Peak Creek	eliminated		SEG	2024	1,378	39,197	1,341	43,420	21,034	74,976	541	51,114	
Southern District	50,000	110,000	SEG	2024									10,760
Outer District	105,000	235,000	SEG	2024									51,694
Kamishak District	35,000	150,000	SEG	2024									2,743
Prince William Sound													
Eastern District (even yr)	203,000	328,000	SEG	2018	594,778		309,325		206,152		353,187		574,529
Eastern District (odd yr)	346,000	863,000	SEG	2018		557,545		445,075		729,369		650,740	
Northern District (even yr)	96,000	127,000	SEG	2018	134,460		111,174		105,226		161,748		185,190
Northern District (odd yr)	111,000	208,000	SEG	2018		395,437		195,169		464,350		299,845	
Coghill District (even yr)	37,000	110,000	SEG	2018	63,986		70,881		88,401		73,971		62,360
Coghill District (odd yr)	54,000	233,000	SEG	2018		181,153		153,129		300,227		169,737	
Northwestern District (even yr)	52,000	93,000	SEG	2018	168,272		111,194		77,828		292,892		101,108
Northwestern District (odd yr)	64,000	144,000	SEG	2018		250,989		91,267		368,406		312,060	
Eshamy District (even yr)	1,000	4,000	SEG	2018	NA		16,594		7,250		14,937		2,709
Eshamy District (odd yr)	5,000	31,000	SEG	2018		2,836		1,402		17,925		12,756	
Southwestern District (even yr)	62,000	105,000	SEG	2018	NA		81,100		64,470		200,057		134,434
Southwestern District (odd yr)	112,000	231,000	SEG	2018		172,930		33,340		339,920		134,089	
Montague District (even yr)	36,000	72,000	SEG	2018	NA		135,208		84,238		143,917		66,694
Montague District (odd yr)	143,000	330,000	SEG	2018		205,252		25,385		242,151		177,472	
Southeastern District (even yr)	88,000	153,000	SEG	2018	107,769		293,275		138,330		137,692		232,285
Southeastern District (odd yr)	286,000	515,000	SEG	2018		372,960		290,452		544,906		183,087	

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System	2024 Goal Range Lower	2024 Goal Range Upper	Type	Initial year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
SOCKEYE SALMON													
Bristol Bay													
Kvichak River	2,000,000	10,000,000	SEG	2010	4,462,728	3,163,404	4,398,708	2,371,242	4,030,968	4,703,520	4,224,882	3,751,686	6,644,490
Alagnak River (tower)[j]	210,000		LB SEG	2019	1,677,769	2,041,824	1,581,426	820,458	2,386,518	3,236,904	1,668,222	1,099,050	2,356,560
Alagnak River (aerial)	eliminated			2019	696,400	629,200	374,000						
Naknek River	800,000	2,000,000	SEG[k]	2015	1,691,910	1,899,972	2,221,152	2,911,470	4,112,160	2,796,534	1,921,296	1,156,206	926,112
Egegik River	800,000	2,000,000	SEG	2015	1,837,260	2,600,982	1,608,354	2,340,210	2,389,728	1,832,196	1,786,152	1,562,700	1,114,008
Ugashik River	500,000	1,400,000	SEG	2015	1,635,270	1,186,446	1,167,792	1,547,748	1,745,940	2,859,930	1,436,784	1,128,896	1,759,776
Wood River	700,000	1,800,000	SEG[l]	2015	1,309,707	4,274,224	7,507,254	2,073,276	2,243,886	4,410,156	3,747,612	2,648,616	4,404,654
Igushik River	150,000	400,000	SEG	2015	469,230	578,700	770,772	256,074	323,814	878,952	378,768	542,496	692,616
Nushagak River	260,000	760,000	OEG[m]	2012	680,512	2,852,308	1,247,460	709,431	1,228,059	4,697,299	3,455,272	1,772,676	1,723,374
	370,000	900,000	SEG	2015									
Togiak River	120,000	270,000	SEG	2010	200,046	190,098	511,770	351,846	261,126	280,836	242,412	268,218	361,578
Upper Cook Inlet													
Fish Creek (Knik)	15,000	45,000	SEG	2017	46,202	61,469	71,180	75,411	64,234	99,324[b]	58,333[b]	44,985	37,983
Kasilof River	140,000	370,000	OEG	2020	239,981	358,724	388,009	374,109	540,872	521,859	968,148	933,145	1,045,479
	140,000	320,000	BEG	2020									
Kenai River	OEG eliminated			2017	1,119,988								
	750,000	1,300,000	SEG[n]	2020		1,071,064	886,761	1,457,031	1,605,627	2,003,373	1,203,196	1,885,416	1,921,771[c]
Packers Creek	15,000	30,000	SEG	2008	NA	17,164[b]	16,247[b]	7,719[b]	15,903[b]	19,975	15,451	22,860	15,429
Russian River - early run	22,000	42,000	BEG	2011	38,739	37,123	44,110	125,942	27,103	49,976	61,098	66,818	34,697
Russian River - late run	44,000	85,000	SEG	2020	37,837	45,012	71,052	64,585	78,816	123,950	124,561	160,430	70,009
Chelatna Lake	20,000	45,000	SEG	2017	60,792	26,986	20,434	26,303	NS	NS	NS	NS	NS
Judd Lake	15,000	40,000	SEG	2017	NA	35,731	30,844	44,145	31,219	49,440	38,369	NS	NS
Larson Lake	15,000	35,000	SEG	2017	14,333	31,866	23,632	9,699	12,074	21,993	17,436	38,069	16,133
Lower Cook Inlet													
English Bay	6,300	12,200	SEG	2024	7,673	20,751	18,804	24,044	31,486	6,328	11,452	23,936	19,529
Delight Lake	5,100	10,600	SEG	2017	5,110	5,380	13,428	17,410	12,299	7,496	22,777	6,901	8,410
Desire Lake	4,800	11,900	SEG	2017	6,740	9,450	9,840	9,040	4,710	3,744	20,460	14,700	12,250
Bear Lake	600	8,600	SEG	2024	9,011	9,207	10,568	9,185	8,222	11,318	9,961	7,975	11,709
Aialik Lake	3,200	5,400	SEG	2017	400	4,900	2,620	5,000	4,020	2,352	2,863	6,480	11,580
Mikfik Lake	3,400	11,000	SEG	2017	10,180	7,495	4,966	2,901	305	2,346	2,870	2,917[b]	241[b]
Chenik Lake	2,900	13,700	SEG	2017	19,510	21,468	6,651	12,079	11,686	17,134	16,461	9,751[b]	6,284
Amakdedori Creek	1,200	2,600	SEG	2017	2,240	1,680	1,916	1,620	6,992	4,370	2,050	1,300	1,552

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Table 2.–Page 6 of 6.

System	2024 Goal range Lower	Upper	Type	Initial Year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
SOCKEYE SALMON (cont.)													
Prince William Sound													
Upper Copper River	360,000	750,000	SEG[o]	2012	513,300	465,190	478,679	718,700	362,032	506,816	517,652	690,349	638,219
Copper River Delta	55,000	130,000	SEG	2003	51,550	56,950	58,470	61,825	55,620	87,075	55,075	65,775	86,925
Bering River	15,000	24,000	SEG	2022	16,390	19,115	13,300	17,630	15,685	13,774	7,095	19,125	20,850
Coghill Lake	20,000	75,000	SEG	2022	8,708	50,462	62,295	32,247	53,901	101,083	34,092[b]	64,212	86,969
Eshamy Lake[p]	13,000	28,000	BEG	2009	NA	NA	NA	NA	NA	7,001[b]	19,325	11,194	13,612

Note: BEG = biological escapement goal; SEG = sustainable escapement goal; LB SEG = lower-bound SEG; OEG = optimal escapement goal; NA = data not available; NC = no count; NS = no survey.

[a] Nushagak-Mulchatna King Salmon Management Plan (5 AAC 06.361) and Nushagak District King Salmon Stock of Concern Management Plan (5 AAC 06.391) specify an inriver goal of 95,000 king salmon present in the Nushagak River upstream from the department sonar counter.

[b] Incomplete survey, remote video, or weir count.

[c] Preliminary data.

[d] Kenai River early-run Chinook salmon (all fish) SEG was eliminated and OEG was revised by BOF.

[e] Lewis River mouth naturally obstructed.

[f] Little Susitna River Chinook salmon aerial survey goal is only used to assess escapement if weir count is not available.

[g] Escapement goal for Nushagak River chum salmon is based on sonar count through July 20. Fish counts past July 20 are not included in this table.

[h] No estimates for chum salmon escapements are included for the Unakwik, Eshamy, Southwestern, or Montague Districts because there are no escapement goals for those districts.

[i] Nushagak River Coho Salmon Management Plan (5 AAC 06.368) specifies an inriver run goal of 70,000–130,000 coho salmon present in the Nushagak River upstream from the department sonar counter located near the village of Portage Creek by August 25.

[j] 2012 to 2016 Alagnak River sockeye salmon escapements for Alagnak River (tower) escapement goal are expanded aerial survey estimates.

[k] Naknek River has an OEG of 800,000–2,000,000 sockeye salmon when the Naknek River Special Harvest Area is open to fishing.

[l] Nushagak District King Salmon Stock of Concern Management Plan (5 AAC 06.391; 2023) established OEG for Wood River sockeye salmon that adds 15% of the preseason total run forecast to the upper end of the escapement goal in years where the total run is projected to be over 5 million. If total run is projected to be below 5 million, the escapement goal reverts to an SEG of 700,000–1,800,000.

[m] Nushagak District King Salmon Stock of Concern Management Plan (5 AAC 06.391; 2023) established alternative OEG for Nushagak River sockeye that adds 15% of the preseason total run forecast to the upper end of the escapement goal in years where the total run is projected to be over 2.5 million. If total run is projected to be below 2.5 million, the escapement goal reverts to an SEG of 370,000–900,000.

[n] Kenai River Late-Run Sockeye Salmon Management Plan (5 AAC 21.360) specifies an inriver goal of 1,000,000–1,200,000 sockeye salmon past the sonar counter at river mile 19 at run strengths <2,300,000 sockeye salmon; an inriver goal of 1,000,000–1,300,000 sockeye salmon past the sonar counter at river mile 19 at run strengths of 2,300,000–4,600,000 sockeye salmon; or an inriver goal range of 1,200,000–1,600,000 sockeye salmon past the sonar counter at river mile 19 at runs strengths > 4,600,000 sockeye salmon.

[o] Copper River District Salmon Management Plan (5 AAC 24.360) specifies a multispecies inriver goal of salmon, as measured at the sonar counter near Miles Lake, based on the total of the following categories: spawning escapement lower end of sockeye salmon SEG, 17,500 other salmon, Glennallen Subdistrict subsistence fishery 61,000–82,500 salmon, Chitina Subdistrict personal use fishery 100,000–150,000 salmon, sport fishery 15,000 salmon, hatchery brood (sockeye salmon) estimated annually, and hatchery surplus (sockeye salmon) estimated annually.

[p] Eshamy River weir was not operated 2012–2020. A pilot project to assess the use of video for monitoring starting in 2013 has not provided a comparable total escapement estimate but did provide a minimum estimate of sockeye salmon.

Table 3.–Arctic–Yukon–Kuskokwim Region Chinook, chum, coho, pink, and sockeye salmon escapement goals and escapements, 2016 to 2024.

System	2024 Goal Range Lower	Upper	Type	Initial Year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
CHINOOK SALMON													
Kuskokwim Area													
North (Main) Fork Goodnews River	640	3,300	SEG	2005	1,120	NS	NS	2,462	1,098	2,273	NS	4,336	NS
Middle Fork Goodnews River	1,500	3,600	SEG	2019	1,659	6,775	NS	6,039	NS	NS	NS	NS	NS
Kanektok River	3,900	12,000	SEG	2016	5,631	NS	4,246	7,212	4,405	4,115	NS	6,688	4,689
Kuskokwim River (entire area)[a]	65,000	120,000	SEG	2013	100,505	114,972	109,913	181,149	88,874	102,241	109,040	96,227	143,919[b]
Kogrukluk River	4,800	8,800	SEG	2013	7,034	7,787	6,292	10,301	5,645	6,969	5,837	NA	NA
Kwethluk River	4,100	7,500	SEG	2013	NA	7,207	NA	8,505	NS	NS	6,808	NA	NS
George River	1,800	3,300	SEG	2013	2,218	3,669	3,322	3,828	2,418	2,920	4,318	2,834	2,403
Kisaralik River	eliminated			2023	622	NS	584	1,063	350	NS	NS		
Aniak River	eliminated			2023	718	1,781	1,534	3,160	1,264	NS	NS		
Salmon River (Aniak R)	eliminated			2023	NS	423	442	950	269	NS	NS		
Holitna River	eliminated			2019	1,157	676	980						
Cheeneetnuk River (Stony R)	eliminated			2023	217	660	565	1,345	419	NS	NS		
Gagaryah River (Stony R)	eliminated			2023	135	453	438	760	NS	NS	NS		
Salmon River (Pitka Fork)	470	1,600	SEG	2005	1,578	687	1,399	1,918	1,150	NS	NS	671	702
Yukon River													
East Fork Andreafsky River	2,100	4,900	SEG	2010	2,676	2,970	4,114	5,111	NS	1,418	NS	NA	NA
West Fork Andreafsky River	640	1,600	SEG	2005	NS	942	455	904	508	NS	NS	310	101
Anvik River	1,100	1,700	SEG	2005	NS	1,101	1,109	1,432	675	NS	179	186	594
Nulato River (forks combined)	940	1,900	SEG	2005	NS	943	870	1,141	862	NS	60	537	682
Chena River	3,300	5,700	BEG	2023	6,665[c]	5,235	5,947	2,404	NS	1,416	367	1,109	387[b]
Salcha River	3,300	6,500	BEG	2001	2,675[d]	4,195	5,021	4,863	NS	2,081	1,243	1,384	630[b]
Canada Mainstem[a]	71,000		agreement[e]	2024	69,164	69,387	54,595	42,193	30,646	31,509	12,009	14,576	24,184
Norton Sound													
Kwiniuk River	250		LB SEG	2016	135	63	94	129	417	225	42	21	53
North River (Unalakleet River)	1,200	2,600	SEG	2005	520	1,044	2,583	3,315	1,068	924	1,338	552	462
CHUM SALMON													
Kuskokwim Area													
Middle Fork Goodnews River	12,000		LB SEG	2005	33,671	44,876	NS	38,072	NS	NS	NS	NS	NS
Kogrukluk River	15,000	49,000	SEG	2005	45,234	85,793	52,937	71,006	19,020	4,153	13,471	NA	NA
Yukon River Summer Chum													
Yukon River Drainage[a]	500,000	1,200,000	BEG	2016	1,901,100	3,024,200	1,464,000	1,421,700	709,400	158,430	479,500	876,820	775,810
East Fork Andreafsky River	40,000		LB SEG	2010	50,362	55,532	36,330	49,881	NS	2,531	NS	NA	NA
Anvik River	350,000	700,000	BEG	2005	337,821	415,139	305,098	249,014	NS	18,819	46,436	NA	134,740

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Table 3.–Page 2 of 4.

System	2024 Goal Range Lower	Upper	Type	Initial Year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
CHUM SALMON (cont.)													
Yukon River Fall Chum													
Yukon River Drainage[a]	300,000	600,000	SEG	2010	834,000	1,723,000	653,000	521,000	183,200	93,285	171,000	288,000	161,000
Tanana River[f]	eliminated			2019	200,000	525,000	302,000	190,000					
Delta River	7,000	20,000	SEG	2019	22,000	49,000	40,000	52,000	9,900	1,613	5,670	13,366	16,880
Teedriinjik (Chandalar R)	85,000	234,000	SEG	2019	295,000	509,000	170,000	116,000	NS	21,162	67,434	136,551	58,457
Fishing Branch River (Canada)[g]	22,000	49,000	agreement	2008[h]	29,000	48,000	10,000	18,000	5,000	2,413	2,934	11,528	5,933
Yukon R. Mainstem (Canada)	70,000	104,000	agreement	2010[i]	145,000	401,000	154,000	100,000	23,500	23,170	22,059	22,090	16,174
Norton Sound													
Subdistrict 1 Aggregate	eliminated			2019	60,749	123,794	85,390						
Nome River	OEG repealed			2019									
	1,600	5,300	SEG	2019	7,153	8,341	5,285	5,952	2,817	492	2,951	2,587	650
Snake River	OEG repealed			2019									
	2,000	4,200	SEG	2019	3,683	5,060	3,111	2,375	802	619	5,442	1,369	443
Eldorado River	OEG repealed			2019									
	4,400	14,200	SEG	2019	18,938	73,882	42,361	28,427	11,333	6,283	7,520	8,084	8,339
Kwiniuk River	OEG repealed			2019									
	9,100	32,600	SEG	2019	8,531	32,560	41,849	20,140	4,973	4,199	10,337	6,041	2,134
Tubutulik River	OEG repealed			2019									
	3,100	9,000	SEG	2019	NS	NS	NS	NS	NS	NS	NS	NS	433
Kotzebue Sound													
Kotzebue Sound Aggregate	eliminated		2019										
Noatak and Eli Rivers	43,000	121,000	SEG	2019	NS	NS	NS	NS	NS	NS	NS	NS	NS
Upper Kobuk w/ Selby River	12,000	32,100	SEG	2019	NS	NS	NS	NS	NS	NS	NS	NS	NS
Salmon River	eliminated			2019	NS	NS	NS						
Tutuksuk River	eliminated			2019	NS	NS	NS						
Squirrel River	eliminated			2019	NS	NS	NS						
COHO SALMON													
Kuskokwim Area													
Middle Fork Goodnews River	12,000		LB SEG	2005	NS	NS	NS	NS	NS	NS	NS	NS	NS
Kogrukluk River	13,000	28,000	SEG	2005	NS	NS	8,169	16,470	NA	14,373	NS	28,132	14,480
Kwethluk River	19,000		LB SEG	2010	38,152	55,722	NS	34,561	NS	NS	8,702	36,035	NS
Yukon River													
Delta Clearwater River	eliminated			2023	6,767	9,617	2,884	2,043	2,557	913	1,750	1,794	

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Table 3.–Page 3 of 4.

System	2024 Goal range Lower	Upper	Type	Initial year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
COHO SALMON (cont.)													
Norton Sound													
Kwiniuk River	650	1,300	SEG	2005	1,987	NS	NS	NS	NS	NS	2,450	NS	4,950
Niukluk River/Ophir Creek	750	1,600	SEG	2016	976	NS	NS	NS	NS	NS	550	183	1,060
North River (Unalakleet R.)	550	1,100	SEG	2005	NS	NS	NS	NS	NS	NS	NS	NS	920
PINK SALMON													
Kuskokwim Area													
There are no escapement goals for pink salmon in the Kuskokwim Management Area.													
Yukon River													
There are no escapement goals for pink salmon in the Yukon River drainage.													
Norton Sound													
Nome River (odd yr)	3,200		LB SEG	2005		717,770		716,571		4,615		4,485	
Nome River (even yr)	13,000		LB SEG	2005	1,175,851		3,314,852		2,400,198		55,013		112,475
Kwiniuk River	8,400		LB SEG	2005	1,933,803	507,685	1,835,039	710,901	1,767,447	56,625	408,704	18,778	509,841
North River	25,000		LB SEG	2005	1,216,075	1,590,727	475,658	2,070,267	1,115,961	537,312	711,150	11,852	311,839
SOCKEYE SALMON													
Kuskokwim Area													
North (Main) Fork Goodnews River	9,600	18,000	SEG	2016	90,060	NS	NS	162,930	55,110	95,020	NS	33,020	NS
Middle Fork Goodnews River	22,000	43,000	SEG	2019	169,544	182,043	NS	162,711	NS	NS	NS	NS	NS
Kanektok River	15,300	41,000	SEG	2016	80,160	NS	326,200	349,073	52,886	53,960	NS	90,360	179,470
Kogrukluk River	4,440	17,000	SEG	2010	20,108	24,696	21,343	32,116	9,923	13,534	10,278	NA	NA
Yukon River													
There are no escapement goals for Sockeye in the Yukon River drainage.													
Norton Sound													
Pilgrim River (Salmon Lake)	6,800	36,000	SEG	2019	15,066	55,764	38,549	33,354	16,230	4,664	1,508	1,684	35,973
Glacial Lake	800	1,600	SEG	2005	1,582	4,250	1,570	5,100	875	NS	1,170	NA	799

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Table 3.–Page 4 of 4.

Note: BEG = biological escapement goal; SEG = sustainable escapement goal; LB SEG = lower-bound SEG; OEG = optimal escapement goal; NA = data not available; NS = no survey.

[a] A statistical model is used to estimate escapement. All historical escapement estimates are updated annually based on the most recent model run.

[b] Preliminary data.

[c] Escapement of Chena River Chinook salmon in 2016 includes an expansion for missed counting days based on two DIDSON sonars.

[d] 2016 Salcha River sonar pulled early due to flooding. Bayesian hierarchical model was used to estimate fish passage for days when the sonar was not running.

[e] Canadian Yukon River Mainstem Chinook salmon IMEG (Interim Management Escapement Goal) of 42,500–55,000 was implemented for 2010–2022 seasons by the United States and Canada Yukon River Panel. There was no bilaterally agreed IMEG for the 2023 season, but ADF&G managed to the most recently agreed to goal. Starting in 2024, a Canadian-origin Yukon River Chinook salmon agreement (7-Year Agreement) was released on April 1, with a new border passage objective of 71,000 fish.

[f] Tanana River fall chum salmon escapement estimated using mark–recapture 1995 to 2007, the relationship to either the Delta River or Mainstem Yukon River escapements from 2008 to 2017, and mixed stock analysis in 2018 and 2019.

[g] Fishing Branch River fall chum salmon estimates are based on border sonar estimate minus community harvest with additional information from mark–recapture studies assuming most fish migrate to Fishing Branch River.

[h] Fishing Branch River fall chum salmon IMEG of 22,000–49,000 was implemented for 2008–2024 by Yukon River Panel.

[i] Yukon River Mainstem fall chum salmon IMEG of 70,000–104,000 was implemented for 2010–2024 seasons by Yukon River Panel.

Table 4.–Westward Region (Alaska Peninsula/Aleutian Islands, Kodiak, and Chignik areas) Chinook, chum, coho, pink, and sockeye salmon escapement goals and escapements, 2016 to 2024.

System	2024 Goal range		Type	Initial year	Escapement								
	Lower	Upper			2016	2017	2018	2019	2020	2021	2022	2023	2024
CHINOOK SALMON													
AK Peninsula													
Nelson River[a]	2,400	5,000	BEG	2019	4,618	1,852	5,022	12,163	2,498	4,539	3,785	4,078	3,542
Chignik													
Chignik River[b]	1,300	2,700	BEG	2002	1,743	1,079	769	1,417	1,223	1,135	721	267	1,166
Kodiak													
Karluk River	3,000	6,000	BEG	2011	3,434	2,600	3,155	3,898	3,344	2,796	2,629	379	76
Ayakulik River[c]	4,800	8,400	BEG	2017	4,574	3,712	2,149	1,948	2,402	2,961	2,845	590	354
CHUM SALMON													
AK Peninsula													
Northern District	49,000	132,000	SEG	2023	277,674	234,440	236,109	208,397	118,815	94,856	163,882	NA[d]	41,200
Northwestern District	49,000	133,000	SEG	2023	113,250	195,700	90,705	173,600	62,100	47,550	50,900	NA[e]	85,275
Southeastern District	62,500	151,900	SEG	2019	NA	416,845	55,510	111,800	107,600	138,750	139,700	213,000	43,600
South Central District	68,900	99,200	SEG	2019	166,000	566,213	NA	224,000	93,500	142,300	140,700	159,500	1,39,480
Southwestern District	86,900	159,500	SEG	2019	146,200	NA	NA	12,800	84,550	202,150	69,050	171,700	74560
Chignik													
Entire Chignik Area	45,000	110,000	SEG	2016	69,900	96,900	33,400	98,000	39,675	122,000	73,200	183,000	83,100
Kodiak													
Mainland District	eliminated			2017	68,700								
Kodiak Archipelago	101,000		LB SEG	2017	89,700	184,500	115,100	94,400	64,200	113,300	102,300	245,249	72,000
COHO SALMON													
AK Peninsula													
Nelson River	19,000	29,000	SEG	2023	45,000	19,000	44,000	23,000	23,000	26,000	21,500	NA	NA
Ilnik River	9,000	24,000	SEG	2023	28,000	6,000	122,000	24,000	45,000	11,000	34,200	NA	NA
Chignik													
There are no coho salmon stocks with escapement goals in Chignik Area													
Kodiak													
Pasagshak River[f]	1,200		LB SEG	2011	737	701	3,186	488	2,031	4,721	618	2,297	1,289
Buskin River[g]	4,700	9,600	SEG	2020	2,134	5,092	4,164	5,350	NA	7,427	NA	NA	NA
Olds River	500		LB SEG	2020	1,634	1,054	878	NA	794	923	1,129	857	201
American River	400		LB SEG	2011	500	410	78	NA	279	297	360	434	440

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System	2024 Goal range Lower	Upper	Type	Initial year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
PINK SALMON													
AK Peninsula													
South Peninsula Total	1,750,000	4,000,000	SEG	2016	1,038,160	5,663,637	732,422	4,236,700	3,209,750	4,494,900	5,177,350	5,914,600	2,486,157
Chignik													
Entire Chignik Area (odd yr)	260,000	450,000	SEG	2016		586,000		415,300		495,000		621,000	
Entire Chignik Area (even yr)	170,000	280,000	SEG	2016	68,100		41,900		118,675		303,600		262,700
Kodiak													
Mainland District	250,000	1,000,000	SEG	2011	65,305	1,010,100	280,400	904,400	1,484,000	478,250	579,900	729,600	158,000
Kodiak Archipelago (odd yr)	2,000,000	5,000,000	SEG	2011		5,079,016		4,688,688		4,562,998		5,170,013	
Kodiak Archipelago (even yr)	3,000,000	7,000,000	SEG	2011	1,699,281		4,874,342		9,429,396		5,153,824		3,383,009
SOCKEYE SALMON													
AK Peninsula													
Cinder River[h]	36,000	94,000	SEG	2016	200,500	222,600	189,000	95,025	106,800	59,400	120,900	59,800	35,200
Ilnik River[i]	40,000	75,000	SEG	2023	124,000	238,000	81,000	75,000	41,000	70,211	110,500	108,860	99,694
Meshik River[j]	48,000	86,000	SEG	2016	131,800	191,525	133,700	103,200	64,550	117,500	112,700	79,100	48,000
Sandy River	37,000	69,000	SEG	2023	170,000	145,000	35,000	71,000	60,000	52,657	44,000	48,757	38,007
Bear River - early run	176,000	293,000	SEG	2004	293,280	570,840	324,093	205,273	299,198	387,240	365,699	280,626	208,459
Bear River - late run	117,000	195,000	SEG	2004	139,720	229,160	232,907	294,727	200,802	192,760	151,301	171,703	245,768
Nelson River	97,000	219,000	BEG	2004	300,000	381,000	221,000	115,000	185,000	110,163	98,000	250,213	754,766
Christianson Lagoon	23,000	50,000	SEG	2023	111,700	290,600	26,100	39,300	22,800	56,800	40,700	85,100	55,000
Swanson Lagoon	eliminated			2019	3,000	860	400						
North Creek	7,500	10,000	SEG	2019	21,000	5,800	8,300	11,000	8,200	9,100	9,900	11,200	500
Orzinski Lake	14,000	28,000	SEG	2023	21,019	20,989	2,817	4,367	6,819	21,839	17,283	19,512	14,571
Mortensen Lagoon	1,400	5,700	SEG	2023	13,000	15,500	1,200	800	800	1,500	3,900	5,100	NA
Thin Point Lake	9,000	19,000	SEG	2023	36,400	44,300	1,000	9,600	10,450	19,100	17,900	35,270	26,920
McLees Lake[k]	10,000		LB SEG	2019	39,892	13,195	No Weir	No Weir	5,037	16,173	14,015	26,700	NA
Chignik													
Chignik River - early run	eliminated			2023	418,290	453,257	263,979	345,918	137,213	244,382	412,228		
Chignik River - late run	eliminated			2023	348,023	339,303	275,718	336,077	193,765	396,559	396,858		
Chignik River - early run[l]	300,000	400,000	OEG	2023								431,294	372,831
Chignik River - late run[l]	240,000	360,000	OEG	2023								457,060	354,749
Chignik River	450,000	800,000	BEG	2023								888,354	727,580

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Table 4.–Page 3 of 4.

System	2024 Goal Range Lower	Upper	Type	Initial Year	Escapement 2016	2017	2018	2019	2020	2021	2022	2023	2024
Kodiak													
Malina Creek	eliminated		SEG	2024	2,000	1,000	500	100	NA	1,450	1,500	2,500	
Afognak (Litnik) River[m]	20,000	50,000	SEG	2020	33,167	22,151	17,601	26,817	25,383	31,997	29,509	35,559	32,218
Uganik Lake	eliminated			2017	34,100								
Karluk River - early run	150,000	250,000	BEG	2017	173,874	242,599	205,054	190,168	158,846	131,775	177,008	182,172	67,743
Karluk River - late run	200,000	450,000	BEG	2017	314,935	385,896	428,225	317,381	293,147	376,209	326,801	605,468	430,829
Ayakulik River - early run	140,000	280,000	SEG	2011	182,589	204,497	189,008	162,430	220,935	265,756	251,690	200,143	221,701
Ayakulik River - late run	60,000	120,000	SEG	2011	72,378	120,361	77,325	117,209	81,660	118,418	100,772	117,956	96,293
Upper Station River - early run	OEG repealed[n]			2017	48,047								
	43,000	93,000	BEG	2011		83,614	61,732	49,517	56,190	108,225	82,824	63,129	30,252
Upper Station River - late run	120,000	265,000	SEG	2020	145,013	209,298	235,669	165,146	195,147	355,507	168,880	181,290	222,131
Frazer Lake	75,000	170,000	BEG	2008	122,585	129,227	201,161	169,627	137,570	186,632	137,565	100,447	78,504
Saltery Lake[o]	15,000	35,000	BEG	2011	54,377	35,218	19,299	20,783	22,637	61,824	22,228	47,936	63,259
Pasagshak River (aerial)	eliminated			2024	3,200	4,800	1,100	NA	1,000	700	4,377	4,345	
Pasagshak River (weir)	2,000	8,000	SEG	2024	7,053	11,021	2,019	4,537	3,922	8,551	4,377	4,495	7,641
Buskin Lake	5,000	8,000	BEG	2011	11,584	7,222	4,284	12,297	7,741	2,330	8,121	1,761	9,704

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Note: BEG = biological escapement goal; SEG = sustainable escapement goal; LB SEG = lower-bound SEG; OEG = optimal escapement goal; NA = data not available.

[a] Chinook salmon sport harvest is assumed to be zero because the fishery was closed to retention.

[b] Chinook salmon escapement for Chignik is estimated by subtracting the sport harvest above the weir. During 2016–present, harvest information is unavailable and a proxy of 100 fish harvested above the weir is used based on historical harvests unless the fishery was closed to harvest, and then the harvest is based on the percent of days the fishery was open from the first fish passage to the regulatory close of the season.

[c] Chinook salmon escapement for Ayakulik includes an estimated 20 fish harvested above the weir when a fishery has occurred because harvest estimates are typically not available for Ayakulik sport harvest. Final escapements include estimated weir counts due to flooding at the weir during the Chinook run.

[d] The Northern District was not fully assessed with successful surveys across all aggregate index streams in 2023; however, the successfully indexed escapement (136,143) exceeded the upper bound of the SEG.

[e] The Northwestern District was not fully assessed with successful surveys across all aggregate index streams in 2023; however, the successfully indexed escapement (75,900) fell within the range of this SEG.

[f] Pasagshak River coho salmon escapements were not estimated by peak coho surveys in every year. Estimates in 2017, 2018, and 2019 are considered partial escapement estimates due to a lack of surveys in November or poor survey conditions due to changes in the lake environment.

[g] Buskin River coho salmon escapements include estimated weir counts due to flooding. Estimates for 2021 are weir counts only, because harvest estimates are unavailable.

[h] Cinder River sockeye salmon escapement includes Mud Creek.

[i] Ilnik River sockeye salmon counts in 2016 and 2022 include Ocean River aerial surveys added as a separate component. In all other years, Ocean River flows into Ilnik Lagoon and is counted at the Ilnik River weir.

[j] Meshik escapement includes Meshik River, Red Bluff Creek, and Yellow Bluff Creek. It does not include Highland or Charles Creeks.

[k] McLees Lake sockeye salmon SEG will be in effect if a weir is in place; there will be no goal if a weir is not operated.

[l] The Board of Fisheries established separate OEGs Chignik River early-run and Chignik River late-run sockeye salmon that went into effect in 2023.

[m] Afognak (Litnik) River sockeye salmon escapement does not incorporate egg-take removals.

[n] The OEG for Upper Station River early-run sockeye salmon was 30,000 during 2014–2016 and was managed only if ADF&G determined that the upper end of the Frazer escapement goal would be exceeded. The OEG was repealed in 2017.

[o] Saltery Lake sockeye salmon escapements are weir counts minus fish removed for egg takes.

Table 5.–Summary of salmon escapement goal changes in the Upper Cook Inlet, Lower Cook Inlet, and Kodiak Management Areas 2024.

Management area	Species	System	Previous escapement goal Lower	Previous escapement goal Upper	Previous escapement goal Type	Initial year	New escapement goal Lower	New escapement goal Upper	New escapement goal Type	Enumeration method	Goal development method	Action
CENTRAL REGION												
Upper Cook Inlet	Chinook	Campbell Creek	380		LB SEG	2011	340		LB SEG	SFS	Percentile	Revise goal
Lower Cook Inlet	Chinook	Anchor River	3,800	7,600	SEG	2017	3,200	6,400	SEG	Weir/Sonar	SRA	Revise goal
		Ninilchik River	750	1,300	SEG	2017	900	1,600	SEG	Weir/Video	Percentile	Revise goal
	Chum	Port Graham River	1,200	2,700	SEG	2017						Eliminated
		Dogfish Lagoon	3,500	8,600	SEG	2017						Eliminated
		Rocky River	1,500	4,400	SEG	2017						Eliminated
		Port Dick Creek	1,900	4,300	SEG	2017						Eliminated
		Island Creek	5,100	11,900	SEG	2017						Eliminated
		Big Kamishak River	6,800	15,600	SEG	2017						Eliminated
		Little Kamishak River	8,000	16,800	SEG	2017						Eliminated
		McNeil River	24,000	48,000	SEG	2008						Eliminated
		Bruin River	5,200	10,000	SEG	2017						Eliminated
		Ursus Cove	5,900	10,100	SEG	2017						Eliminated
		Cottonwood Creek	5,200	12,200	SEG	2017						Eliminated
		Iniskin Bay	5,900	13,600	SEG	2017						Eliminated
		Southern District					1,500	5,000	SEG	MFS	Percentile	New aggregate goal
		Outer District					17,500	32,000	SEG	MAS/MFS	Percentile	New aggregate goal
		Kamishak District					50,000	115,000	SEG	MAS/MFS	Percentile	New aggregate goal

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			Previous escapement goal			Initial	New escapement goal			Enumeration	Goal development	
Management area	Species	System	Lower	Upper	Type	year	Lower	Upper	Type	method	method	Action
Lower Cook Inlet (cont.)	Pink	Humpy Creek	17,500	51,400	SEG	2017						Eliminated
		China Poot Creek	2,500	6,300	SEG	2017						Eliminated
		Tutka Creek	6,500	17,000	SEG	2002						Eliminated
		Barabara Creek	2,000	5,600	SEG	2017						Eliminated
		Seldovia Creek	21,800	37,400	SEG	2017						Eliminated
		Port Graham River	7,700	19,700	SEG	2017						Eliminated
		Dogfish Lagoon Creeks	800	7,100	SEG	2017						Eliminated
		Port Chatham	7,800	18,100	SEG	2017						Eliminated
		Windy Creek Right	3,400	11,200	SEG	2017						Eliminated
		Windy Creek Left	5,400	27,100	SEG	2017						Eliminated
		Rocky River	11,700	54,800	SEG	2017						Eliminated
		Port Dick Creek	17,900	49,800	SEG	2017						Eliminated
		Island Creek	9,600	32,500	SEG	2017						Eliminated
		S. Nuka Island Creek	2,800	11,200	SEG	2017						Eliminated
		Desire Lake Creek	1,500	18,000	SEG	2017						Eliminated
		Bruin River	17,800	103,000	SEG	2017						Eliminated
		Sunday Creek	4,400	24,900	SEG	2017						Eliminated
		Brown's Peak Creek	2,600	17,500	SEG	2017						Eliminated
		Southern District					50,000	110,000	SEG	MFS	Percentile	New aggregate goal
		Outer District					105,000	235,000	SEG	MAS/MFS	Percentile	New aggregate goal
		Kamishak District					35,000	150,000	SEG	MAS/MFS	Percentile	New aggregate goal

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Management area	Species	System	Previous escapement goal Lower	Upper	Type	Initial year	New escapement goal Lower	Upper	Type	Enumeration method	Goal development method	Action
Lower Cook Inlet (cont.)	Sockeye	English Bay	6,000	13,500	SEG	2002	6,300	12,200	SEG	PAS/Weir	Percentile	Revise goal
		Bear Lake	700	8,300	SEG	2002	600	8,600	SEG	Weir	Percentile	Revise goal
WESTWARD REGION												
Kodiak	Sockeye	Malina Creek	1,000	10,000	SEG	2005						Eliminated
		Pasagshak River (aerial)	3,000		LB SEG	2011						Eliminated
		Pasagshak River (weir)					2,000	8,000	SEG	Weir	Percentile	New goal

Note: SEG = sustainable escapement goal; LB SEG = lower-bound SEG; PAS = peak aerial survey; MAS = multiple aerial survey; SFS = single foot survey, MFS = multiple foot survey; SRA = spawner-recruit analysis.

Table 6.–Assessment of whether escapements met (Met), exceeded (Over), or did not meet (Under) the escapement goal in place at the time of enumeration for salmon stocks in Southeast Region.

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Chinook salmon	Keta River	Over	Met	Over[a]	Met	Met	Met	Met	Met	Met
	Blossom River	Under	Under	Met[a]	Met	Met	Under	Under	Met	Met
	Chickamin River	Under	Under	Under[a]	Under	Met	Met	Met	Met	Met
	Unuk River	Under	Under	Met	Met	Under	Met	Under	Met	Met
	Stikine River	Under	Under	Under	Under	Under	Under	Under	Under	Under
	Andrew Creek	Under	Under	Under	Met	Under	Under	Met	Under	Under
	King Salmon River	Met	Under	Under	Under	Under	Met	Met	Under	Under
	Taku River	Under	Under	Under	Under	Under	Under	Under	Under	Met
	Chilkat River	Under	Under	Under	Met	Met	Met	Under	Met	Met
	Klukshu (Alsek) River	Under	Under	Eliminated						
	Alsek River	Under	Under	Met	Over	Met	Over	Under	Met	Met
	Situk River	Under	Over	Under	Met	Over	Over	Met	Under	Met
Chum salmon	Southern Southeast Summer	Met	Met	Met	Met	Met	Met	Met	Met	Met
	Northern Southeast Inside Summer	Under	Met	Met[b]	Met	Under	Under	Met	Met	NA
	Northern Southeast Outside Summer	Met	Under	Under	Met	Under	Under	Under	Under	NA
	Cholmondeley Sound Fall	Met	Over	Over	Under	Met	Over	Met	Over	Met
	Port Camden Fall	Met	Met	Under	Met	Under	Met	Under	Under	Met
	Security Bay Fall	Met	Over	Met	Met	Met	Under	Under	Over	Met
	Excursion River Fall	Under	Met	Met	Under	Under	Under	Under	Met	Under
	Chilkat River Fall	Met	Met	NA	Met	Under	Met	Over	Over	NA
Coho salmon	Hugh Smith Lake	Met	Met	Met	Met	Met	Met	Met	Over	Met
	Klawock	Over	Met	Over	Met	Met	Met	Met	Over	Met
	Taku River	Met	Met	Met	Met	Met	Met	Met	Met	Met
	Auke Creek	Met	Met	Under	Met	Under	Met	Met	Over	Over
	Montana Creek	Met	Met	Met	Under	Met	Under	NC	NC	Under
	Peterson Creek	Under	Under	Met	NC	Under	Under	Under	Met	Met
	Ketchikan Survey Index	Over	Over	Over	Met	Over	Over	Over	Over	Over
	Sitka Survey Index	Over	Over	Over	Over	Met	Over	Over	Over	Over
	Ford Arm Creek	NA	NA	Eliminated						
	Berners River	Met	Met	Under[c]	Over	Under	Met	Met	Met	Over
	Chilkat River	Under	Met	Met	Met	Under	Met	Met	Over	Met
	Tawah Creek (Lost River)	Under	Met	Met	Met	NS	NS	NS	NS	Met
	Situk River	Met	Met	Met	Over	NS	NS	NS[d]	Over	Met
	Tsiu/Tsivat Rivers	Over	Over	Over[e]	NS	Over	NS	NS	NS	NS

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Table 6.–Page 2 of 2.

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Pink salmon	Southern Southeast	Met	Met	Met	Met	Met	Over	Met	Over	Over
	Northern Southeast Inside	Under	Met	Under	Under	Under	Met	Met	Over	Met
	Northern Southeast Outside	Met	Over	Met	Met	Met	Met	Met	Met	Met
	Situk River	Under	Met	Eliminated						
Sockeye salmon	Hugh Smith Lake	Met	Met	Under	Under	Under	Under	Under	Under	Under
	McDonald Lake	Under	Under	Under	Under	Under	Under	Under	Met	Met
	Mainstem Stikine River	Met	Under	Under	Met	Under	Met	Over	Under	Over
	Tahltan Lake	Over	Met	Under	Over	Under	Over	Over	Over	Over
	Speel Lake	Met	Under	Met	Met	NC	Met	Met	Under	Met
	Taku River	Over	Over	Over	Met	Over[f]	Over	Over	Over	Over
	Redoubt Lake	Met	Over	Over	Over	Over	Over	Over	Over	Over
	Chilkat Lake	Met	Met	Met	Met	Under	Under	Met	Met	Met
	Chilkoot Lake	Over	Met	Met	Over	Met	Over	Met	Met	Met
	East Alsek-Doame River	Met	Met	Eliminated						
	East Alsek River			Met	Over	Met	Over	Met	Met	NA
	Klukshu River	Under	Under	Under	Over	Under	Over	Over	Over	Met
	Lost River	Under	NS	Eliminated						
	Situk River	Met	Over	Under	Over	Met	Over	Over	Over	Over

Note: NA = data not available; NC = no count; NS = no survey. Blank cells indicate that there was no official escapement goal for the stock in that particular year.

[a] Prior to 2018, goal was based on index count of escapements.

[b] Escapement goal reevaluated; lower-bound goal changed.

[c] Escapement goal reevaluated; goal range changed.

[d] Escapement goal reevaluated; goal type and goal range changed.

[e] Escapement goal reevaluated; goal type changed.

[f] Escapement goal reevaluated; new goal range adopted by Pacific Salmon Commission and formally adopted by the State in 2022.

Table 7.–Assessment of whether escapements met (Met), exceeded (Over), or did not meet (Under) the escapement goal in place at the time of enumeration for salmon stocks in Central Region (Bristol Bay, Cook Inlet, and Prince William Sound/Copper River).

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Chinook salmon	*Bristol Bay*									
	Nushagak River	Met	Under	Met	Under	Under	Under	Under	Under	Under
	Alagnak River	Under	Under	Under	Eliminated					
	Upper Cook Inlet									
	Alexander Creek	Under	Under	Under	Under	Under[a]	Under	NC	NC	Under
	Campbell Creek	Met	Met	Under	Met	Under	Under	Met	Under	Under[b]
	Chuitna River	Met	Under	Under	Met	Under[a]	Under	NC	Under	Under
	Chulitna River	Under	NC	Under	Met	Under[a]	Met	NC	Under	Under
	Clear (Chunilna) Creek	NS	Under	Under	Met	Eliminated				
	Crooked Creek	Over	Met	Met	Met	Met[a]	Under	Met	Under	Under
	Deshka River	Met	Under	Under	Under	Met[c]	Over	Under	Under	Under
	Eastside Susitna River					Met	Met	Under	Under	Under
	Goose Creek	NC	Under	Under	NC	Eliminated				
	Kenai River – early run (all fish)	NA	Eliminated							
	Kenai River – early run (large fish)		Over	Under	Met	Under	Met	Under	Under	Under
	Kenai River – late run (all fish)	NA	Eliminated							
	Kenai River – late run (large fish)		Met	Met	Under	Under	Under	Under	Under	Under
	Lake Creek	Met	Under	Under	Met	Eliminated				
	Lewis River	Under	NA	Under	Under	Eliminated				
	Little Susitna River	Met	Met	Under	Met	Met	Met	Met	Under	Under
	Little Willow Creek	Met	Met	Under	Met	Eliminated				
	Montana Creek	Under	Under	Under	Under	Eliminated				
	Peters Creek	Met	Under	Met	Met	Eliminated				
	Prairie Creek	Under	Under	Under	Under	Eliminated				
	Sheep Creek	NC	NC	Under	NC	Eliminated				
	Talachulitna River	Met	Under	Under	Met	Eliminated				
	Talkeetna River					Under	Met	Under	Under	Under
	Theodore River	Under	Under	Under	Under	Under[d]	Under	NC	NC	Under
	Willow Creek	Met	Under	Under	Under	Eliminated				
	Yentna River					Under	Met	Met	Under	Under

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Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Chinook salmon (cont.)	*Lower Cook Inlet*									
	Anchor River	Met	Met[d]	Under	Met	Under	Met	Under	Under	Met[a]
	Deep Creek	NS	Met[e]	Under	Met	Under	NS	NS	NS	NS
	Ninilchik River	Met	Met[f]	Met	Met	Met	Met	Under	Under	Under[a]
	Prince William Sound									
	Copper River	Under	Met	Met	Met	Under	Under	Met[g]	Over	Under
Chum salmon	*Bristol Bay*									
	Nushagak River	Met	Met	Met	Met	Under	Under	Under	Under	Met
	Upper Cook Inlet									
	Clearwater Creek	Met	Met[a]	Under	Over	Met	Over	Met	Met	Under
	Lower Cook Inlet									
	Port Graham River	Met	Over[a]	Over	Under	Under	Under	Under	Met	Eliminated
	Dogfish Lagoon	Over	Over[a]	Met	Met	Under	Met	Under	Under	Eliminated
	Rocky River	Met	Over[a]	Over	Over	Over	Over	Over	Over	Eliminated
	Port Dick Creek	Over	Met[d]	Under	Met	Under	Met	Met	Over	Eliminated
	Island Creek	Met	Met[a]	Under	Met	Under	Under	Under	Over	Eliminated
	Big Kamishak River	Under	Over[a]	Met	Over	Over	Over	Met	Met	Eliminated
	Little Kamishak River	Met	Over[a]	Met	Over	Over	Over	Over	Over	Eliminated
	McNeil River	Met	Met	Met	Under	Under	Under	Under	Met	Eliminated
	Bruin River	Over	Over[a]	Over	Over	Over	Over	Under	Over	Eliminated
	Ursus Cove	Met	Over[a]	Under	Over	Under	Met	Met	Over	Eliminated
	Cottonwood Creek	Under	Met[a]	Under	Under	Under	Met	Met	Met	Eliminated
	Iniskin Bay	Under	Over[a]	Met	Over	Met	Over	Met	Over	Eliminated
	Southern District									Met
	Outer District									Under
	Kamishak District									Under
	Prince William Sound									
	Eastern District	Met	Met	Met[h]	Under	Met	Under	Under	Met	Met
	Northern District	Under	Met	Under[h]	Under	Under	Under	Under	Met	Met
	Coghill District	Met	Met	Met[h]	Under	Under	Under	Under	Under	Under
	Northwestern District	Under	Met	Met[h]	Under	Met	Under	Met	NA	Met
	Southeastern District	Met	Met	Under[h]	Met	Met	Met	Met	Under	Met
Coho salmon	*Bristol Bay*									
	Nushagak River	NS	NS	Met	Under	NS	NS	NS	NS	NS

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Table 7.–Page 3 of 5.

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Coho salmon (cont.)	*Upper Cook Inlet*									
	Deshka River		Over	Met	Met	NA	NA	NA	NA	NA
	Fish Creek (Knik)	Met	Over	Over	Met	Met[c]	Over	NA	Met	Under
	Jim Creek	Under	Met	Met	Under	Over[a]	Over	Over	Met	Met
	Little Susitna River	Under	Over	NA	NA	Met[e]	Met	NA	NA	NA
	Prince William Sound									
	Copper River Delta	Over	Met	Met	Met	Met	Met	Under[d]	Met	Met
	Bering River	Met	Met	Met	Under	Met	Met	Under[d]	Met	Over
Pink salmon	*Bristol Bay*									
	Nushagak River	NS	NS	Met	NS	NS	NS	NS	NS	NS
	Lower Cook Inlet									
	Humpy Creek	Over	Over[a]	Over	Met	NS	Under	Under	Under	Eliminated
	China Poot Creek	Under	Under[a]	Under	Under	Under	Under	Under	Under	Eliminated
	Tutka Creek	Over	Over	Over	Over	Over	Over	Over	Over	Eliminated
	Barabara Creek	Met	Over[a]	Over	Over	Over	Met	Met	Over	Eliminated
	Seldovia Creek	Under	Met[a]	Over	Under	Over	Met	Under	Over	Eliminated
	Port Graham River	Met	Over[d]	Over	Over	Over	Met	Met	Over	Eliminated
	Dogfish Lagoon Creeks	Met	Over[a]	Over	Over	Over	Over	Over	Over	Eliminated
	Port Chatham	Under	Over[d]	Over	Over	Met	Over	Under	Over	Eliminated
	Windy Creek Right	Under	Met[a]	Met	Over	Over	Over	Over	Over	Eliminated
	Windy Creek Left	Under	Met[a]	Met	Met	Over	Met	Over	Over	Eliminated
	Rocky River	Under	Met[a]	Under	Over	Under	Met	Met	Met	Eliminated
	Port Dick Creek	Under	Over[a]	Over	Over	Over	Over	Met	Over	Eliminated
	Island Creek	Under	Met[a]	Under	Over	Met	Over	Under	Over	Eliminated
	S. Nuka Island Creek	Under	Under[a]	Under	Under	Met	Met	Under	Met	Eliminated
	Desire Lake Creek	Under	Met[a]	Met	Met	Under	Met	Met	Met	Eliminated
	Bruin River	Met	Met[a]	Met	Met	Met	Met	Under	Met	Eliminated
	Sunday Creek	Under	Met[a]	Under	Met	Met	Over	Under	Over	Eliminated
	Brown's Peak Creek	Under	Over[a]	Under	Over	Over	Over	Under	Over	Eliminated
	Southern District									Under
	Outer District									Under
	Kamishak District									Under
	Prince William Sound									
	Eastern District (even yr)	Over		Met[h]		Met		Over		Over
	Eastern District (odd yr)		Met	[h]	Met		Met		Met	
	Northern District (even yr)	Met		Met[h]		Met		Over		Over
	Northern District (odd yr)		Over	[h]	Met		Over		Over	

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Table 7.–Page 4 of 5.

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Pink salmon (cont.)	Coghill District (even yr)	Met		Met[h]		Met		Met		Met
	Coghill District (odd yr)		Met	[h]	Met		Over		Met	
	Northwestern District (even yr)	Over		Over[h]		Met		Over		Over
	Northwestern District (odd yr)		Over	[h]	Met		Over		Over	
	Eshamy District (even yr)	NA		Over[h]		Over		Over		Met
	Eshamy District (odd yr)		Under	[h]	Under		Met		Met	
	Southwestern District (even yr)	NA		Met[h]		Met		Over		Over
	Southwestern District (odd yr)		Over	[h]	Under		Over		Met	
	Montague District (even yr)	NA		Over[h]		Over		Over		Met
	Montague District (odd yr)		Met	[h]	Under		Met		Met	
	Southeastern District (even yr)	Met		Over[h]		Met		Met		Over
	Southeastern District (odd yr)		Met	[h]	Met		Over		Under	
Sockeye salmon	*Bristol Bay*									
	Kvichak River	Met	Met	Met	Met	Met	Met	Met	Met	Met
	Alagnak River	Met	Met	Met	Met[b]	Met	Met	Met	Met	Met
	Naknek River	Met	Met	Over	Over	Over	Over	Met	Met	Met
	Egegik River	Met	Over	Met	Over	Over	Met	Met	Met	Met
	Ugashik River	Over	Met	Met	Over	Over	Over	Over	Met	Over
	Wood River	Met	Over	Over	Over	Over	Over	Over	Over[i]	Over
	Igushik River	Over	Over	Over	Met	Met	Over	Met	Over	Over
	Nushagak River	Met	Over	Over	Met	Over	Over	Over	Over[i]	Over
	Togiak River	Met	Met	Over	Over	Met	Over	Met	Met	Over
	Upper Cook Inlet									
	Fish Creek (Knik)	Met	Over[a]	Over	Over	Over	Over	Over	Met	Met
	Kasilof River	Met	Met	Met	Met	Over[a]	Over	Over	Over	Over
	Kenai River	Met	NA[j]	Met	Over	Over[a]	Over	Met	Over	Over
	Packers Creek	NA	Met	Met	Under	Met	Met	Met	Met	Met
	Russian River - early run	Met	Met	Over	Over	Met	Over	Over	Over	Met
	Russian River - late run	Met	Met	Met	Met	Met[a]	Over	Over	Over	Met
	Chelatna Lake	Met	Met[d]	Met	Met	NS	NS	NS	NS	NS
	Judd Lake	NA	Met[a]	Met	Over	Met	Over	Met	NS	NS
	Larson Lake	Under	Met[d]	Met	Under	Under	Met	Met	Over	Met

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Table 7.–Page 5 of 5.

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Sockeye salmon (cont.)	*Lower Cook Inlet*									
	English Bay	Met	Over	Over	Over	Over	Met	Met	Over	Over
	Delight Lake	Under	Met[a]	Over	Over	Over	Met	Over	Met	Met
	Desire Lake	Under	Met[a]	Met	Met	Under	Under	Over	Over	Over
	Bear Lake	Over	Over	Over	Over	Met	Over	Over	Met	Over
	Aialik Lake	Under	Met[a]	Under	Met	Met	Under	Under	Over	Over
	Mikfik Lake	Met	Met[d]	Met	Under	Under	Under	Under	NA	Under
	Chenik Lake	Over	Over[a]	Met	Met	Met	Over	Over	Met	Met
	Amakdedori Creek	Met	Met[f]	Met	Met	Over	Over	Met	Met	Met
	Prince William Sound									
	Upper Copper River	Met	Met	Met	Met	Met	Met	Met	Met	Over
	Copper River Delta	Under	Met	Met	Met	Met	Met	Met	Met	Met
	Bering River	Met	Met	Under	Met	Met	Under	Under[d]	Met	Met
	Coghill Lake	Under	Met	Over	Met	Met	Over	Met[d]	Met	Over
	Eshamy Lake	NA	NA	NA	NA	NA	Under	Met	Under	Met

Note: NA = data not available; NC = no count; NS = no survey. There are no escapement goals for coho salmon in Lower Cook Inlet and there are no pink salmon escapement goals in Upper Cook Inlet. Blank cells indicate that there was no official escapement goal for the stock in that particular year.

[a] Escapement goal reevaluated; goal range changed.

[b] Escapement goal reevaluated; lower-bound goal changed.

[c] Escapement goal reevaluated; assessment method changed; goal range changed.

[d] Escapement goal reevaluated; upper bound changed; lower bound remained the same.

[e] Escapement goal reevaluated; goal range changed to a lower-bound goal.

[f] Escapement goal reevaluated; lower bound changed, upper bound remained the same.

[g] Escapement goal reevaluated; lower-bound goal changed to a range.

[h] Escapement goal reevaluated, number of index streams used to develop escapement goal changed, and escapement goal changed. Escapements in Table 2 are adjusted for new set of index streams for all years.

[i] BOF established OEG in Nushagak District King Salmon Stock of Concern Management Plan that is related to size of run forecast.

[j] BOF removed OEG from management plan. Stock managed to meet ADF&G escapement goal.

Table 8.–Assessment of whether escapements met (Met), exceeded (Over), or did not meet (Under) the escapement goal in place at the time of enumeration for salmon stocks in Arctic–Yukon–Kuskokwim Region.

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Chinook salmon	*Kuskokwim Area*									
	North (Main) Fork Goodnews River	Met	NS	NS	Met	Met	Met	NS	Over	NS
	Middle Fork Goodnews River	Over	Over	NS	Over[a]	NS	NS	NS	NS	NS
	Kanektok River	Met[b]	NS	Met	Met	Met	Met	NS	Met	Met
	Kuskokwim Area (entire area)	Met	Met	Met	Over	Met	Met	Met	Met	Over
	Kogrukluk River	Met	Met	Met	Over	Met	Met	Met	NA	NA
	Kwethluk River	NA	Met	NA	Over	NS	NS	Met	NA	NS
	George River	Met	Over	Over	Over	Met	Met	Over	Met	Met
	Kisaralik River	Met	NS	Met	Met	Under	NS	NS	Eliminated	
	Aniak River	Under	Met	Met	Over	Met	NS	NS	Eliminated	
	Salmon River (Aniak R)	NS	Met	Met	Met	Under	NS	NS	Eliminated	
	Holitna River	Met	Under	Met	Eliminated					
	Cheeneetnuk River (Stony R)	Under	Met	Met	Over	Met	NS	NS	Eliminated	
	Gagaryah River (Stony R)	Under	Met	Met	Met	NS	NS	NS	Eliminated	
	Salmon River (Pitka Fork)	Met	Met	Met	Over	Met	NS	NS	Met	Met
	Yukon River									
	East Fork Andreafsky River	Met	Met	Met	Over	NS	Under	NS	NA	NA
	West Fork Andreafsky River	NS	Met	Under	Met	Under	NS	NS	Under	Under
	Anvik River	NS	Met	Met	Met	Under	NS	Under	Under	Under
	Nulato River (forks combined)	NS	Met	Under	Met	Under	NS	Under	Under	Under
	Chena River	Over	Met	Over	Under	NS	Under	Under	Under[c]	Under
	Salcha River	Under	Met	Met	Met	NS	Under	Under	Under	Under
	Canada Mainstem	Over	Over	Met	Under	Under	Under	Under	Under	Under
	Norton Sound									
	Kwiniuk River	Under[c]	Under	Under	Under	Met	Under	Under	Under	Under
	North River (Unalakleet R)	Under	Under	Met	Over	Under	Under	Under	Under	Under

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Table 8.–Page 2 of 3.

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Chum salmon	*Kuskokwim Area*									
	Middle Fork Goodnews River	Met	Met	NS	Met	NA	NS	NS	NS	NS
	Kogrukluk River	Met	Over	Over	Over	Met	Under	Under	NA	NA
	Yukon River Summer Chum									
	Yukon River Drainage	Over	Over	Over	Over	Met	Under	Under	Met	Met
	East Fork Andreafsky River	Met	Met	Under	Met	NS	Under	NS	NA	NA
	Anvik River	Under	Met	Under	Under	NS	Under	Under	NA	Under
	Yukon River Fall Chum									
	Yukon River Drainage	Over	Over	Over	Met	Under	Under	Under	Met	Under
	Tanana River	Over	Over	Over	Eliminated					
	Delta River	Over	Over	Over	Over[b]	Met	Under	Under	Met	Met
	Teedriinjik (Chandalar) River	Over	Over	Over	Met[b]	NS	Under	Under	Met	Under
	Fishing Branch River (Canada)	Met	Met	Under	Under	Under	Under	Under	Under	Under
	Yukon R. Mainstem (Canada)	Over	Over	Over	Met	NA	Under	Under	Under	Under
	Norton Sound									
	Subdistrict 1 Aggregate	Over	Over	Over	Eliminated					
	Nome River	Over	Over	Over	Met[b]	Met	Under	Met	Under	Under
	Snake River	Over	Over	Over	Met[b]	Under	Met	Over	Under	Under
	Eldorado River	Over	Over	Over	Over[b]	Met	Met	Met	Met	Met
	Kwiniuk River	Under	Over	Over	Met[b]	Under	Under	Met	Under	Under
	Tubutulik River	NS	NS	NS	NS[b]	NS	NS	NS	NS	Under
	Kotzebue Sound									
	Kotzebue Sound Aggregate				Eliminated					
	Noatak and Eli Rivers	NS	NS	NS	NS[b]	NS	NS	NS	NS	NS
	Upper Kobuk w/ Selby River	NS	NS	NS	NS[b]	NS	NS	NS	NS	NS
	Salmon River	NS	NS	NS	Eliminated					
	Tutuksuk River	NS	NS	NS	Eliminated					
	Squirrel River	NS	NS	NS	Eliminated					

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Table 8.–Page 3 of 3.

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Coho salmon	*Kuskokwim Area*									
	Middle Fork Goodnews River	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Kogrukluk River	NS	NS	Under	Met	NA	Met	NS	Over	Met
	Kwethluk River	Met	Met	NS	Met	NS	NS	Under	Met	NS
	Yukon River									
	Delta Clearwater River	Met	Met	Under	Under	Under	Under	Under	Eliminated	
	Norton Sound									
	Kwiniuk River	Over	NS	NS	NS	NS	NS	Over	NS	Over
	Niukluk River	Eliminated								
	Niukluk River/Ophir Creek	Met	NS	NS	NS	NS	NS	Under	Under	Met
	North River (Unalakleet R.)	Ns	NS	NS	NS	NS	NS	NS	NS	Met
Pink salmon	*Norton Sound*									
	Nome River (odd year)		Met		Met		Met		Under	
	Nome River (even year)	Met		Met		Met		Met		Met
	Kwiniuk River	Met	Met	Met	Met	Met	Met	Met	Met	Met
	Niukluk River	Eliminated								
	North River	Met	Met	Met	Met	Met	Met	Met	Under	Met
Sockeye salmon	*Kuskokwim Area*									
	North (Main) Fork Goodnews River	Over[b]	NS	NS	Over	Over	Over	NS	Over	NS
	Middle Fork Goodnews River	Over	Over	NS	Over[b]	Under	NS	NS	NS	NS
	Kanektok River	Over[b]	NS	Over	Over	Over	Over	NS	Over	Over
	Kogrukluk River	Met	Over	Over	Over	Met	Met	Met	NA	NA
	Norton Sound									
	Pilgrim River (Salmon Lake)	Over	Over	Over	Met[d]	Met	Under	Under	Under	Met
	Glacial Lake	Met	Over	Met	Over	Met	NS	Met	NA	Under

Note: NA = data not available; NS = no survey. There are no escapement goals for pink salmon in the Kuskokwim Area and Yukon River and there are no escapement goals for sockeye salmon in the Yukon River. Blank cells indicate that there was no official escapement goal for the stock in that particular year.

[a] Escapement goal reevaluated; upper bound of goal changed.

[b] Escapement goal reevaluated; goal value changed.

[c] Escapement goal reevaluated; lower bound of goal changed.

[d] Escapement goal reevaluated; goal range changed to a lower-bound goal.

[e] Previous escapement goal was based on aerial surveys, replaced with escapement goal based on weir counts. Escapements in Table 3 are weir counts.

Table 9.–Assessment of whether escapements met (Met), exceeded (Over), or did not meet (Under) the escapement goal in place at the time of enumeration for salmon stocks in Westward Region (Alaska Peninsula/Aleutian Islands, Chignik, and Kodiak).

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Chinook salmon	*AK Peninsula*									
	Nelson River	Over	Under	Over	Over[a]	Met	Met	Met	Met	Met
	Chignik									
	Chignik River	Met	Under	Under	Met	Under	Under	Under	Under	Under
	Kodiak									
	Karluk River	Met	Under	Met	Met	Met	Under	Under	Under	Under
	Ayakulik River	Met	Under[b]	Under	Under	Under	Under	Under	Under	Under
Chum salmon	*AK Peninsula*									
	Northern District	Over	Met	Met	Met	Under	Under	Met	Over[c]	Under
	Northwestern District	Met	Met	Under	Met	Under	Under	Under	Met[c]	Met
	Southeastern District	Met	Over	Under	Met[c]	Met	Met	Met	Over	Under
	South Central District	Over	Over	Over	Over[c]	Met	Over	Over	Over	Over
	Southwestern District	Met	Over	Under	Under[c]	Under	Over	Under	Over	Under
	Chignik									
	Entire Chignik Area	Met[c]	Met	Under	Met	Under	Over	Met	Over	Met
	Kodiak									
	Mainland District	Under	Eliminated							
	Kodiak Archipelago Aggregate	Under	Met[c]	Met	Under	Under	Met	Met	Met	Under
Coho salmon	*AK Peninsula*									
	Nelson River	Met	Met	Met	Met	Met	Met	Met	NA[d]	NA
	Ilnik River	Met	Under	Met	Met	Met	Met	Met	NA[d]	NA
	Kodiak									
	Pasagshak River	Under	Under	Met	Under	Met	Met	Under	Met	Met
	Buskin River	Under	Met	Under	Met	NA[d]	Met	NA	NA	NA
	Olds River	Met	Met	Under	NA	Met[e]	Met	Met	Met	Under
	American River	Met	Met	Under	NA	Under	Under	Under	Met	Met

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Table 9.–Page 2 of 3.

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Pink salmon	*AK Peninsula*									
	South Peninsula total	Under	Over	Under	Over	Met	Over	Over	Over	Met
	Chignik									
	Entire Chignik Area (odd year)	[c]	Over		Met		Over		Over	
	Entire Chignik Area (even year)	Under[c]		Under		Under		Over		Met
	Kodiak									
	Mainland District	Under	Over	Met	Met	Over	Met	Met	Met	Under
	Kodiak Archipelago (odd year)		Over		Met		Met		Over	
	Kodiak Archipelago (even year)	Under		Met		Over		Met		Met
Sockeye salmon	*AK Peninsula*									
	Cinder River	Over[b]	Over	Over	Over	Over	Met	Over	Met	Under
	Ilnik River	Over	Over	Over	Over	Met	Over	Over	Over[a]	Over
	Meshik River	Over[b]	Over	Over	Over	Met	Over	Over	Met	Met
	Sandy River	Over	Over	Met	Met	Met	Met	Met	Met[b]	Met
	Bear River - early run	Over	Over	Over	Met	Over	Over	Over	Met	Met
	Bear River - late run	Met	Over	Over	Over	Over	Met	Met	Met	Over
	Nelson River	Over	Over	Over	Met	Met	Met	Met	Over	Over
	Christianson Lagoon	Over	Over	Met	Met	Under	Over	Met	Over[e]	Over
	Swanson Lagoon	Under	Under	Under	Eliminated					
	North Creek	Over	Met	Met	Over[b]	Met	Met	Met	Over	Under
	Orzinski Lake	Over	Over	Under	Under	Under	Over	Met	Met[b]	Met
	Mortensen Lagoon	Over	Over	Under	Under	Under	Under	Met	Met[b]	NA
	Thin Point Lake	Over	Over	Under	Under	Under	Met	Met	Over[b]	Over
	McLees Lake	Met	Met	NA	NA[f]	Under	Met	Met	Met	NA
	Chignik									
	Chignik River - early run	Met	Over	Under	Under	Under	Under	Met	Over[g]	Met
	Chignik River - late run	Met	Met	Met	Met	Under	Met	Met	Over[g]	Met
	Kodiak									
	Malina Creek	Met	Met	Under	Under	NA	Met	Met	Met	Eliminated
	Afognak (Litnik) River	Met	Met	Under	Met	Met[d]	Met	Met	Met	Met
	Uganik Lake	Met	Eliminated							

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Table 9.–Page 3 of 3.

Species	System	2016	2017	2018	2019	2020	2021	2022	2023	2024
Sockeye salmon (cont.)	Karluk River - early run	Met	Met[b]	Met	Met	Met	Under	Met	Met	Under
	Karluk River - late run	Met	Met[b]	Met	Met	Met	Met	Met	Over	Met
	Ayakulik River - early run	Met	Met	Met	Met	Met	Met	Met	Met	Met
	Ayakulik River - late run	Met	Over	Met	Met	Met	Met	Met	Met	Met
	Upper Station River - early run	Met	Met[h]	Met	Met	Met	Over	Met	Met	Under
	Upper Station River - late run	Met	Met	Met	Met	Met[d]	Over	Met	Met	Met
	Frazer Lake	Met	Met	Over	Met	Met	Over	Met	Met	Met
	Saltery Lake	Over	Over	Met	Met	Met	Over	Met	Over	Over
	Pasagshak River	Met	Met	Under	NA	Met	Under	Met	Met	Met[i]
	Buskin Lake	Over	Met	Under	Over	Met	Under	Over	Under	Over

Note: NA = data not available. There are no coho salmon escapement goals in Chignik Area. Blank cells indicate that there was no official escapement goal for the stock in that particular year.

[a] Escapement goal reevaluated; upper bound of goal changed.

[b] Escapement goal reevaluated; goal range changed.

[c] Escapement goal reevaluated, number of index streams used to develop escapement goal changed, and escapement goal changed. Escapements in Table 4 are adjusted for a new set of index streams for all years.

[d] Escapement goal reevaluated; goal type changed.

[e] Escapement goal reevaluated; lower-bound goal changed.

[f] Escapement goal reevaluated; upper bound eliminated, lower goal bound remained the same.

[g] Chignik River early and late-run sockeye escapement goals eliminated and replaced with single escapement goal, but separate OEGs were established by the BOF.

[h] OEG changed from 25,000 fish to 30,000 fish in 2014 and was eliminated in 2017.

[i] Escapement goal reevaluated; assessment method changed, goal type changed.

Table 10.–Southeast Region Chinook, chum, coho, pink, and sockeye salmon escapements compared to escapement goals for the years 2016 to 2024.

	2016	2017	2018	2019	2020	2021	2022	2023	2024
CHINOOK SALMON									
Number below	10	10	7	4	5	4	6	5	3
Number met	1	1	3	6	5	5	5	6	8
Number above	1	1	1	1	1	2	0	0	0
% Below	83%	83%	64%	36%	45%	36%	55%	45%	27%
% Met	8%	8%	27%	55%	45%	45%	45%	55%	73%
% Above	8%	8%	9%	9%	9%	18%	0%	0%	0%
CHUM SALMON									
Number below	2	1	2	2	5	4	4	2	1
Number met	6	5	4	6	3	3	3	3	4
Number above	0	2	1	0	0	1	1	3	0
% Below	25%	13%	29%	25%	63%	50%	50%	25%	20%
% Met	75%	63%	57%	75%	38%	38%	38%	38%	80%
% Above	0%	25%	14%	0%	0%	13%	13%	38%	0%
COHO SALMON									
Number below	3	1	2	1	4	2	1	1	1
Number met	6	9	7	7	5	6	6	3	7
Number above	4	3	4	3	2	2	2	7	4
% Below	23%	8%	15%	9%	36%	20%	11%	0%	8%
% Met	46%	69%	54%	64%	45%	60%	67%	30%	58%
% Above	31%	23%	31%	27%	18%	20%	22%	70%	33%
PINK SALMON									
Number below	2	0	1	1	1	0	0	0	0
Number met	2	3	2	2	2	2	3	1	2
Number above	0	1	0	0	0	1	0	2	1
% Below	50%	0%	33%	33%	33%	0%	0%	0%	0%
% Met	50%	75%	67%	67%	67%	67%	100%	33%	67%
% Above	0%	25%	0%	0%	0%	33%	0%	67%	33%
SOCKEYE SALMON									
Number below	3	4	6	2	6	3	2	3	1
Number met	7	5	4	4	3	2	4	4	5
Number above	3	3	2	6	2	7	6	5	5
% Below	23%	33%	50%	17%	55%	25%	17%	25%	9%
% Met	54%	42%	33%	33%	27%	17%	33%	33%	45%
% Above	23%	25%	17%	50%	18%	58%	50%	42%	45%

Table 11.–Central Region (Bristol Bay, Cook Inlet, Prince William Sound/Copper River) Chinook, chum, coho, pink, and sockeye salmon escapements compared to escapement goals for the years 2016 to 2024.

	2016	2017	2018	2019	2020	2021	2022	2023	2024
CHINOOK SALMON									
Number below	8	14	21	9	13	8	8	14	16
Number met	12	9	6	15	5	8	5	0	1
Number above	1	1	0	0	0	1	0	1	0
% Below	38%	58%	78%	38%	72%	47%	62%	93%	94%
% Met	57%	38%	22%	63%	28%	47%	38%	0%	6%
% Above	5%	4%	0%	0%	0%	6%	0%	7%	0%
CHUM SALMON									
Number below	5	0	7	7	10	8	9	4	4
Number met	11	11	9	5	5	5	8	7	6
Number above	3	8	3	7	4	6	2	7	0
% Below	26%	0%	37%	37%	53%	42%	47%	22%	40%
% Met	58%	58%	47%	26%	26%	26%	42%	39%	60%
% Above	16%	42%	16%	37%	21%	32%	11%	39%	0%
COHO SALMON									
Number below	2	0	0	3	0	0	2	0	1
Number met	2	3	5	3	4	3	0	4	2
Number above	1	3	1	0	1	2	1	0	1
% Below	40%	0%	0%	50%	0%	0%	67%	0%	25%
% Met	40%	50%	83%	50%	80%	60%	0%	100%	50%
% Above	20%	50%	17%	0%	20%	40%	33%	0%	25%
PINK SALMON									
Number below	12	3	6	6	3	2	9	3	3
Number met	7	12	9	10	11	11	7	9	3
Number above	4	11	12	10	11	13	10	14	5
% Below	52%	12%	22%	23%	12%	8%	35%	12%	27%
% Met	30%	46%	33%	38%	44%	42%	27%	35%	27%
% Above	17%	42%	44%	38%	44%	50%	38%	54%	45%
SOCKEYE SALMON									
Number Below	6	0	2	3	3	5	3	1	1
Number Met	18	21	17	15	15	9	16	16	16
Number Above	4	8	11	12	11	16	11	11	12
% Below	21%	0%	7%	10%	10%	17%	10%	4%	3%
% Met	64%	72%	57%	50%	52%	30%	53%	57%	55%
% Above	14%	28%	37%	40%	38%	53%	37%	39%	41%

Table 12.–Arctic–Yukon–Kuskokwim Region Chinook, chum, coho, pink, and sockeye salmon escapements compared to escapement goals for the years 2016 to 2024.

	2016	2017	2018	2019	2020	2021	2022	2023	2024
CHINOOK SALMON									
Number below	6	3	3	3	7	6	7	8	8
Number met	9	14	15	9	9	5	3	4	3
Number above	3	3	2	10	0	0	1	1	1
% Below	33%	15%	15%	14%	44%	55%	64%	62%	67%
% Met	50%	70%	75%	41%	56%	45%	27%	31%	25%
% Above	17%	15%	10%	45%	0%	0%	9%	8%	8%
SUMMER CHUM SALMON									
Number below	1	0	0	0	2	3	1	3	4
Number met	2	1	0	4	3	2	3	1	1
Number above	4	6	6	2	0	0	1	0	0
% Below	14%	0%	0%	0%	40%	60%	20%	75%	80%
% Met	29%	14%	0%	67%	60%	40%	60%	25%	20%
% Above	57%	86%	100%	33%	0%	0%	20%	0%	0%
YUKON RIVER SUMMER CHUM SALMON									
Number below	1	0	2	1	0	3	2	0	1
Number met	1	2	0	1	1	0	0	1	1
Number above	1	1	1	1	0	0	0	0	0
% Below	33%	0%	67%	33%	0%	100%	100%	0%	50%
% Met	33%	67%	0%	33%	100%	0%	0%	100%	50%
% Above	33%	33%	33%	33%	0%	0%	0%	0%	0%
YUKON RIVER FALL CHUM SALMON									
Number below	0	0	1	1	2	5	5	2	4
Number met	1	1	0	3	1	0	0	3	1
Number above	5	5	5	1	0	0	0	0	0
% Below	0%	0%	17%	20%	67%	100%	100%	40%	80%
% Met	17%	17%	0%	60%	33%	0%	0%	60%	20%
% Above	83%	83%	83%	20%	0%	0%	0%	0%	0%

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	2016	2017	2018	2019	2020	2021	2022	2023	2024
COHO SALMON									
Number below	0	0	2	1	1	1	3	1	0
Number met	3	2	0	2	0	1	0	1	3
Number above	1	0	0	0	0	0	1	1	1
% Below	0%	0%	100%	33%	100%	50%	75%	33%	0%
% Met	75%	100%	0%	67%	0%	50%	0%	33%	75%
% Above	25%	0%	0%	0%	0%	0%	25%	33%	25%
PINK SALMON									
Number below	0	0	0	0	0	0	0	2	0
Number met	3	3	3	3	3	3	3	1	3
Number above	0	0	0	0	0	0	0	0	0
% Below	0%	0%	0%	0%	0%	0%	0%	67%	0%
% Met	100%	100%	100%	100%	100%	100%	100%	33%	100%
% Above	0%	0%	0%	0%	0%	0%	0%	0%	0%
SOCKEYE SALMON									
Number below	0	0	0	0	1	1	1	1	1
Number met	2	0	1	1	3	1	2	0	1
Number above	4	4	3	5	2	2	0	2	1
% Below	0%	0%	0%	0%	17%	25%	33%	33%	33%
% Met	33%	0%	25%	17%	50%	25%	67%	0%	33%
% Above	67%	100%	75%	83%	33%	50%	0%	67%	33%

Table 13.–Westward Region (Alaska Peninsula/Aleutian Islands, Kodiak, and Chignik) Chinook, chum, coho, pink, and sockeye salmon escapements compared to escapement goals for the years 2016 to 2024.

	2016	2017	2018	2019	2020	2021	2022	2023	2024
CHINOOK SALMON									
Number below	0	4	2	1	2	3	3	3	3
Number met	3	0	1	2	2	1	1	1	1
Number above	1	0	1	1	0	0	0	0	0
% Below	0%	100%	50%	25%	50%	75%	75%	75%	75%
% Met	75%	0%	25%	50%	50%	25%	25%	25%	25%
% Above	25%	0%	25%	25%	0%	0%	0%	0%	0%
CHUM SALMON									
Number below	2	0	4	2	5	2	2	0	4
Number met	4	4	2	4	2	2	4	2	2
Number above	2	3	1	1	0	3	1	5	1
% Below	25%	0%	57%	29%	71%	29%	29%	0%	57%
% Met	50%	57%	29%	57%	29%	29%	57%	29%	29%
% Above	25%	43%	14%	14%	0%	43%	14%	71%	14%
COHO SALMON									
Number below	2	2	3	1	1	1	2	0	1
Number met	4	4	3	3	4	5	3	3	2
Number above	0	0	0	0	0	0	0	0	0
% Below	33%	33%	50%	25%	20%	17%	40%	0%	33%
% Met	67%	67%	50%	75%	80%	83%	60%	100%	67%
% Above	0%	0%	0%	0%	0%	0%	0%	0%	0%
PINK SALMON									
Number below	4	0	2	0	1	0	0	0	1
Number met	0	0	2	3	1	2	2	1	3
Number above	0	4	0	1	2	2	2	3	0
% Below	100%	0%	50%	0%	25%	0%	0%	0%	25%
% Met	0%	0%	50%	75%	25%	50%	50%	25%	75%
% Above	0%	100%	0%	25%	50%	50%	50%	75%	0%
SOCKEYE SALMON									
Number below	1	1	9	5	7	5	0	1	4
Number met	15	13	11	14	16	13	22	17	13
Number above	13	14	7	6	3	9	5	9	7
% Below	3%	4%	33%	20%	27%	19%	0%	4%	17%
% Met	52%	46%	41%	56%	62%	48%	81%	63%	54%
% Above	45%	50%	26%	24%	12%	33%	19%	33%	29%

Table 14.–Summary of Southeast Region salmon escapements compared against escapement goals for the years 2016 to 2024.

Southeast Region		2016	2017	2018	2019	2020	2021	2022	2023	2024
Stocks with escapement data		50	49	46	45	44	44	43	44	42
Below lower goal	Number	20	16	18	10	21	13	13	10	6
	Percent	40%	33%	39%	22%	48%	30%	30%	23%	14%
Goal met	Number	22	23	20	25	18	18	21	17	26
	Percent	44%	47%	43%	56%	41%	41%	49%	39%	62%
Above upper goal	Number	8	10	8	10	5	13	9	17	10
	Percent	16%	20%	17%	22%	11%	30%	21%	39%	24%

Table 15.–Summary of Central Region (Bristol Bay, Cook Inlet, Prince William Sound/Copper River) salmon escapements compared against escapement goals for the years 2016 to 2024.

Central Region		2016	2017	2018	2019	2020	2021	2022	2023	2024
Stocks with escapement data		96	104	109	105	96	97	91	91	71
Below lower goal	Number	33	17	36	28	29	23	31	22	25
	Percent	34%	16%	33%	27%	30%	24%	34%	24%	35%
Goal met	Number	50	56	46	48	40	36	36	36	28
	Percent	52%	54%	42%	46%	42%	37%	40%	40%	39%
Above upper goal	Number	13	31	27	29	27	38	24	33	18
	Percent	14%	30%	25%	28%	28%	39%	26%	36%	25%

Table 16.–Summary of Arctic–Yukon–Kuskokwim (AYK) Region salmon escapements compared against escapement goals for the years 2016 to 2024.

AYK Region		2016	2017	2018	2019	2020	2021	2022	2023	2024
Stocks with escapement data		47	45	44	48	35	33	33	32	34
Below lower goal	Number	8	3	8	6	13	19	19	17	18
	Percent	17%	7%	18%	13%	37%	58%	58%	53%	53%
Goal met	Number	21	23	19	23	20	12	11	11	13
	Percent	45%	51%	43%	48%	57%	36%	33%	34%	38%
Above upper goal	Number	18	19	17	19	2	2	3	4	3
	Percent	38%	42%	39%	40%	6%	6%	9%	13%	9%

Table 17.–Summary of Westward Region (Alaska Peninsula/Aleutian Islands, Kodiak, and Chignik areas) salmon escapements compared against escapement goals for the years 2016 to 2024.

Westward Region		2016	2017	2018	2019	2020	2021	2022	2023	2024
Stocks with escapement data		51	49	48	44	46	48	47	45	42
Below lower goal	Number	9	7	20	9	16	11	7	4	13
	Percent	18%	14%	42%	20%	35%	23%	15%	9%	31%
Goal met	Number	26	21	19	26	25	23	32	24	21
	Percent	51%	43%	40%	59%	54%	48%	68%	53%	50%
Above upper goal	Number	16	21	9	9	5	14	8	17	8
	Percent	31%	43%	19%	20%	11%	29%	17%	38%	19%

Table 18.–Salmon stocks of concern in Alaska. (A) Current stocks of concern, and (B) stocks previously designated a stock of concern and later removed because they no longer fit the criteria for listing.

(A) Region	Stock	Species	Listing date	Level of concern	Year last reviewed[a]
Southeast	King Salmon River	Chinook	Jan-2018	Management	2024
	Stikine River	Chinook	Mar-2022	Management	2024
	Andrew Creek	Chinook	Mar-2022	Management	2024
	Taku River	Chinook	Mar-2022	Management	2024
	McDonald Lake	Sockeye	Jan-2018	Management	2024
	Hugh Smith Lake	Sockeye	Oct-2024	Management	2024
	Northern Southeast Outside Subregion	Chum	Oct-2024	Management	2024
Central	McNeil River	Chum	Dec-2016	Management	2023
	Chuitna River	Chinook	Feb-2011	Management	2023
	Theodore River	Chinook	Feb-2011	Management	2023
	Alexander Creek	Chinook	Feb-2011	Management	2023
	Eastside Susitna River	Chinook	Feb-2020	Management	2023
	Nushagak River	Chinook	Mar-2023	Management	2022
	Kenai River - late run	Chinook	Oct-2023	Management	2023
	Mikfik Lake	Sockeye	Oct-2023	Management	2023
AYK	Yukon River	Chinook	Sep-2000	Yield	2022
	Norton Sound Subdistrict 5 & 6	Chinook	Jan-2004	Yield	2022
Westward	Karluk River	Chinook	Jan-2011	Management	2023
	Ayakulik River	Chinook	Jan-2020	Management	2023
	Chignik River	Chinook	Feb-2023	Management	2022
	Chignik River - early run	Sockeye	Mar-2022[b]	Management	2022

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(B)	Region	Area	Stock	Species	Listing date	Delisting date
Management Concern						
	Southeast	Southeast	Hugh Smith Lake	Sockeye	Feb-2003	Jan-2006
		Southeast	McDonald Lake	Sockeye	Feb-2009	Feb-2012
		Southeast	Chilkat River	Chinook	Oct-2017	Oct-2024
		Southeast	Unuk River	Chinook	Jan-2018	Oct-2024
		Southeast	Chickamin River	Chinook	Mar-2022	Oct-2024
		Southeast	Klukshu River	Sockeye	Mar-2022	Oct-2024
	Central	Cook Inlet	Anchor River	Chinook	Nov-2001	Nov-2004
		Cook Inlet	Lewis River	Chinook	Feb-2011	Oct-2019
		Cook Inlet	Sheep Creek	Chinook	Jan-2014	Feb-2020
		Cook Inlet	Goose Creek	Chinook	Jan-2014	Feb-2020
		Bristol Bay	Kvichak River	Sockeye	Dec-2003	Oct-2009
	AYK	Norton Sound	Norton Sound SD 1	Chum	Sep-2000	Jan-2007
		Yukon	Toklat River	Chum	Sep-2000	Jan-2004
		Yukon	Fishing Branch	Chum	Sep-2000	Jan-2004
		Yukon	Yukon River	Summer chum	Sep-2000	Jan-2007
	Westward	Aleutian Islands	Swanson Lagoon	Sockeye	Feb-2013	Feb-2019
Yield Concern						
	Central	Cook Inlet	Fish Creek	Sockeye	2002[c]	Jan-2005
		Cook Inlet	Susitna (Yentna) River	Sockeye	Feb-2008	Feb-2020
		Cook Inlet	Willow Creek	Chinook	Feb-2011	Feb-2020
		Cook Inlet	Goose Creek	Chinook	Feb-2011	Jan-2014
		Bristol Bay	Kvichak River	Sockeye	Sep-2000	Dec-2003
					Oct-2009	Dec-2012
	AYK	Kuskokwim	Kuskokwim River	Chum	Sep-2000	Jan-2007
		Kuskokwim	Kuskokwim River	Chinook	Sep-2000	Jan-2007
		Yukon	Yukon River	Fall chum	Sep-2000	Jan-2007
		Norton Sound	Norton Sound SD 2/3	Chum	Sep-2000	Jan-2019
		Norton Sound	Norton Sound SD 1	Chum	Jan-2007	Jan-2016

Note: Sheep, Goose, and Willow Creeks included in current Eastside Susitna River Chinook salmon designation; AYK = Arctic–Yukon–Kuskokwim

[a] Indicates start of BOF (Board of Fisheries) cycle in which stock of concern status was most recently reviewed by department (e.g., 2020–2021 BOF cycle = 2020).

[b] Chignik River early run sockeye action plan adopted by BOF in February 2023.

[c] No record of the BOF meeting (and therefore month) that Fish Creek sockeye was designated as a stock of yield concern by the BOF.

Table 19.–Methods used to enumerate and develop current escapement goals for Southeast Region Chinook, chum, coho, pink, and sockeye salmon stocks.

System	Enumeration method	Goal development method	References
CHINOOK SALMON			
Keta River	Peak aerial survey (expanded)[a]	SRA	Fleischman et al. 2011; Heinl et al. 2017
Blossom River	Peak aerial survey (expanded)	SRA	Fleischman et al. 2011; Heinl et al. 2017
Chickamin River	Peak aerial survey (expanded)	SRA	McPherson and Carlile 1997; Heinl et al. 2017
Unuk River	Peak aerial survey (expanded)	SRA	Hendrich et al. 2008
Stikine River	Mark–recapture	SRA	Bernard et al. 2000
Andrew Creek	Peak aerial survey (expanded)	SRA	Clark et al. 1998
King Salmon River	Peak aerial survey (expanded)	SRA	McPherson and Clark 2001
Taku River	Mark–recapture	SRA	McPherson et al. 2010
Chilkat River	Mark–recapture	Theoretical SRA	Ericksen and McPherson 2004; inriver run goal: 5AAC 33.384
Alsek River	Weir count (expanded)	SRA	Bernard and Jones 2010
Situk River	Weir count	SRA	McPherson et al. 2005
CHUM SALMON			
Southern Southeast Summer	Peak aerial survey	Percentile	Piston and Heinl 2014
Northern Southeast Inside Summer	Peak aerial survey	Percentile	Heinl et al. 2017
Northern Southeast Outside Summer	Peak aerial survey	Percentile	Piston and Heinl 2014
Cholmondeley Sound Fall	Peak aerial survey	Percentile	Eggers and Heinl 2008
Port Camden Fall	Peak aerial survey	Risk analysis	Eggers and Heinl 2008
Security Bay Fall	Peak aerial survey	Percentile	Eggers and Heinl 2008
Excursion River Fall	Peak aerial survey	Percentile	Eggers and Heinl 2008
Chilkat River Fall	Fish wheel (expanded)	SRA	Piston and Heinl 2014
COHO SALMON			
Hugh Smith Lake	Weir count	SRA	Shaul et al. 2009
Klawock River	Weir count	Theoretical SRA	Der Hovanisian 2013
Taku River	Mark–recapture	SRA	Pestal and Johnston 2015
Auke Creek	Weir count	SRA	Clark et al. 1994
Montana Creek	Foot survey	Theoretical SRA	Clark 2005
Peterson Creek	Foot survey	Theoretical SRA	Clark 2005
Ketchikan Survey Index	Peak aerial survey	Theoretical SRA	Shaul and Tydingco 2006
Sitka Survey Index	Foot survey	Theoretical SRA	Shaul and Tydingco 2006
Berners River	Peak aerial survey, foot survey	SRA	Shaul et al. 2017

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System	Enumeration method	Goal development method	References
COHO SALMON (cont.)			
Chilkat River	Mark–recapture, foot survey	SRA	Ericksen and Fleischman 2006
Tawah Creek (Lost River)	Boat survey	Percentile	Heinl, Jones, et al. 2014
Situk River	Boat survey	Percentile	Heinl et al. 2021
Tsiu/Tsivat Rivers	Peak aerial survey	SRA	Heinl et al. 2017
PINK SALMON			
Southern Southeast	Peak aerial survey	Yield analysis	Heinl et al. 2008
Northern Southeast Inside	Peak aerial survey	Yield analysis	Heinl et al. 2008
Northern Southeast Outside	Peak aerial survey	Yield analysis	Heinl et al. 2008
SOCKEYE SALMON			
Hugh Smith Lake	Weir count	Risk analysis, Theoretical SRA	Geiger et al. 2003; OEG: 5 AAC 33.390
McDonald Lake	Expanded foot survey	SRA	Eggers, Heinl, et al. 2009
Mainstem Stikine River	Run reconstruction	Professional judgment	TTC 1987; TTC 1990
Tahltan Lake	Weir count	SRA	Humphreys et al. 1994; TTC 1993
Speel Lake	Weir count	SRA	Heinl, Miller, and Bednarski 2014
Taku River	Mark–recapture	SRA	Miller and Pestal 2020; Heinl et al. 2021
Redoubt Lake	Weir count	SRA	Geiger 2003; OEG: 5 AAC 01.760(a)
Chilkat Lake	Sonar	SRA	Eggers et al. 2010
Chilkoot Lake	Weir count	SRA	Eggers, Zhang, et al. 2009; Brenner et al. 2018
East Alsek	Peak aerial survey	Percentile	Heinl et al. 2017
Klukshu River	Weir count	SRA	Eggers and Bernard 2011
Situk River	Weir count	SRA	Clark et al. 2002

Note: SRA = spawner–recruit analysis.

[a] One or more aerial surveys are attempted during the peak of the run. Peak count is used to index the escapement.

Table 20.–Methods used to enumerate and develop current escapement goals for Central Region (Bristol Bay, Cook Inlet, and Prince William Sound/Copper River) Chinook, chum, coho, pink, and sockeye salmon stocks.

System	Enumeration method	Goal development method	References
CHINOOK SALMON			
Bristol Bay			
Nushagak River	Sonar	SRA, Yield Analysis	Fair et al. 2012; inriver run goal 5 AAC 06.361 and 5 AAC 06.391
Upper Cook Inlet			
Alexander Creek	Single aerial survey[a]	Percentile	McKinley et al. 2020
Campbell Creek	Single Foot survey	Percentile	McKinely et al. 2024
Chuitna River	Single aerial survey	Percentile	McKinley et al. 2020
Chulitna River	Single aerial survey	Percentile	McKinley et al. 2020
Crooked Creek	Weir count	Percentile	McKinley et al. 2020
Deshka River	Run reconstruction	SRA	McKinley et al. 2020; Reimer and DeCovich 2020
Eastside Susitna River	Run reconstruction	SRA	McKinley et al. 2020; Reimer and DeCovich 2020
Kenai River - Early Run (large fish)	Sonar	SRA	Erickson et al. 2017; Fleischman and Reimer 2017; OEG: 5 AAC 57.160 (b)
Kenai River - Late Run (large fish)	Sonar	SRA	Erickson et al. 2017; Fleischman and Reimer 2017
Little Susitna River (Aerial)	Single aerial survey	Percentile	McKinley et al. 2020
Little Susitna River (Weir)	Weir count	Percentile	Erickson et al. 2017
Talkeetna River	Run reconstruction	SRA	McKinley et al. 2020; Reimer and DeCovich 2020
Theodore River	Single aerial survey	Percentile	McKinley et al. 2020
Yentna River	Run reconstruction	SRA	McKinley et al. 2020; Reimer and DeCovich 2020; OEG: 5 AAC 61.165 (b)
Lower Cook Inlet			
Anchor River	Sonar, weir count	SRA	Otis et al. 2023
Deep Creek	Single aerial survey	Percentile	Otis et al. 2016
Ninilchik River	Video, weir count	Percentile	Otis et al. 2023
Prince William Sound			
Copper River	Mark–recapture	SRA	Joy, Haught, et al. 2021; Joy, Savereide, et al. 2021
CHUM SALMON			
Bristol Bay			
Nushagak River	Sonar	Risk Analysis	Fair et al. 2012

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System	Enumeration method	Goal development method	References
CHUM SALMON (cont.)			
Upper Cook Inlet			
Clearwater Creek	Peak aerial survey[b]	Percentile	Erickson et al. 2017
Lower Cook Inlet			
Southern District	Multiple aerial surveys	Percentile	Otis et al. 2023
Outer District	Multiple aerial surveys, multiple foot surveys[c]	Percentile	Otis et al. 2023
Kamishak District	Multiple aerial surveys	Percentile	Otis et al. 2023
Prince William Sound			
Eastern District	Multiple aerial surveys	Percentile	Haught et al. 2017
Northern District	Multiple aerial surveys	Percentile	Haught et al. 2017
Coghill District	Multiple aerial surveys	Percentile	Haught et al. 2017
Northwestern District	Multiple aerial surveys	Percentile	Haught et al. 2017
Southeastern District	Multiple aerial surveys	Percentile	Haught et al. 2017
COHO SALMON			
Bristol Bay			
Nushagak River	Sonar	SRA	Fair et al. 2012; inriver run goal 5 AAC 06.368
Upper Cook Inlet			
Deshka River	Weir count	Percentile	Erickson et al. 2017
Fish Creek (Knik)	Weir count	Percentile	McKinley et al. 2020
Jim Creek	Single Foot survey	Percentile	McKinley et al. 2020
Little Susitna River	Weir count	Percentile	McKinley et al. 2020
Lower Cook Inlet			
There are no coho salmon stocks with escapement goals in Lower Cook Inlet			
Prince William Sound			
Copper River Delta	Peak aerial survey	Yield Analysis	Joy, Haught, et al. 2021
Bering River	Peak aerial survey	Yield Analysis	Joy, Haught, et al. 2021
PINK SALMON			
Bristol Bay			
Nushagak River	Sonar	Percentile	Fair et al. 2012

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System	Enumeration method	Goal development method	References
PINK SALMON (cont.)			
Upper Cook Inlet			
There are no pink salmon stocks with escapement goals in Upper Cook Inlet			
Lower Cook Inlet			
Southern District	Multiple aerial surveys	Percentile	Otis et al. 2023
Outer District	Multiple aerial surveys, multiple foot surveys	Percentile	Otis et al. 2023
Kamishak District	Multiple aerial surveys	Percentile	Otis et al. 2023
Prince William Sound			
Eastern District (even year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Eastern District (odd year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Northern District (even year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Northern District (odd year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Coghill District (even year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Coghill District (odd year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Northwestern District (even year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Northwestern District (odd year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Eshamy District (even year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Eshamy District (odd year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Southwestern District (even year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Southwestern District (odd year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Montague District (even year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Montague District (odd year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Southeastern District (even year)	Multiple aerial surveys	Percentile	Haught et al. 2017
Southeastern District (odd year)	Multiple aerial surveys	Percentile	Haught et al. 2017
SOCKEYE SALMON			
Bristol Bay			
Kvichak River	Tower count	SRA, Yield Analysis	Baker et al. 2009
Alagnak River	Tower count	Risk Analysis	Erickson et al. 2018
Naknek River	Tower count	SRA, Yield Analysis	Fair et al. 2012; Erickson et al. 2015, Appendices F2 and F3; OEG: 5 AAC 06.360 (f)
Egegik River	Tower count	SRA, Yield Analysis	Fair et al. 2012; Erickson et al. 2015, Appendices F2 and F3

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Table 20.–Page 4 of 5.

System	Enumeration method	Goal development method	References
SOCKEYE SALMON (cont.)			
Wood River	Tower count	SRA, Yield Analysis	Fair et al. 2012; Erickson et al. 2015, Appendices F2 and F3
Igushik River	Tower count	SRA, Yield Analysis	Fair et al. 2012; Erickson et al. 2015, Appendices F2 and F3
Nushagak River	Sonar	SRA, Yield Analysis	Fair et al. 2012; OEG: 5 AAC 06.358 (c) (1) (B)
Togiak River	Tower count	SRA, Yield Analysis	Baker et al. 2009; Fair et al. 2004
Upper Cook Inlet			
Fish Creek (Knik)	Weir count	Percentile	Erickson et al 2017
Kasilof River	Sonar	SRA	McKinley et al. 2020; OEG: 5 AAC 21.365 (b)
Kenai River	Sonar	SRA	McKinley et al. 2020; Hasbrouck et al. 2022; inriver run goal 5 AAC 21.360
Packers Creek	Weir count	Percentile	Bue and Hasbrouck, *unpublished*[c]; Fair et al. 2007; Hasbrouck and Edmundson 2007
Russian River - Early Run	Weir count	SRA	Fair et al. 2010
Russian River - Late Run	Weir count	Percentile	McKinley et al. 2020
Chelatna Lake	Weir count	Percentile	Erickson et al 2017
Judd Lake	Weir count	Percentile	Erickson et al 2017
Larson Lake	Weir count	Percentile	Erickson et al 2017
Lower Cook Inlet			
English Bay	Peak aerial survey, weir count	Percentile	Otis et al. 2023
Delight Lake	Peak aerial survey	Percentile	Otis et al. 2016
Desire Lake	Peak aerial survey	Percentile	Otis et al. 2016
Bear Lake	Weir count	Percentile	Otis et al. 2023
Aialik Lake	Peak aerial survey	Percentile	Otis et al. 2016
Mikfik Lake	Video	Percentile	Otis et al. 2016
Chenik Lake	Video, weir count	Percentile	Otis et al. 2016
Amakdedori Creek	Peak aerial survey	Percentile	Otis et al. 2016
Prince William Sound			
Upper Copper River	Sonar	Percentile	Fair et al. 2011; multi-species inriver run goal 5 AAC 24.360
Copper River Delta	Peak aerial survey	Percentile	Bue et al. 2002
Bering River	Peak aerial survey	Percentile	Joy, Haught, et al. 2021

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Table 20.–Page 5 of 5.

System	Enumeration method	Goal development method	References
SOCKEYE SALMON (cont.)			
Coghill Lake	Weir count	SRA	Joy, Haught, et al. 2021
Eshamy Lake	Weir count	SRA	Fair et al. 2008

Note: SRA = spawner–recruit analysis.

[a] Single survey done around time of presumed peak of the run with no expansion of counts.

[b] Multiple aerial surveys are attempted throughout the run. Peak count is used to index the escapement.

[c] Multiple surveys throughout run (at least 1 per week). Area-under-the-curve method used to estimate annual escapement.

[d] Bue, B. G., and J. J. Hasbrouck. Escapement goal review of salmon stocks of Upper Cook Inlet. Alaska Department of Fish and Game, Report to the Alaska Board of Fisheries, November 2001 (and February 2002), Anchorage, unpublished document.

Table 21.–Methods used to enumerate and develop current escapement goals for Arctic–Yukon–Kuskokwim Region Chinook, chum, coho, pink, and sockeye salmon stocks.

System	Enumeration method	Goal development method	References
CHINOOK SALMON			
Kuskokwim Area			
North (Main) Fork Goodnews River	Single aerial survey[a]	Percentile	ADF&G 2004
Middle Fork Goodnews River	Weir count	Percentile	Liller and Savereide 2018
Kanektok River	Single aerial survey	Percentile	Conitz et al. 2015
Kuskokwim River (entire area)	Run reconstruction[b]	SRA	Hamazaki et al. 2012; Liller et al. 2018; Liller and Savereide 2018
Kogrukluk River	Weir count	Proportion of Kuskokwim River goal	Hamazaki et al. 2012
Kwethluk River	Weir count	Proportion of Kuskokwim River goal	Hamazaki et al. 2012
George River	Weir count	Proportion of Kuskokwim River goal	Hamazaki et al. 2012
Salmon River (Pitka Fork)	Single aerial survey	Percentile	ADF&G 2004
Yukon River			
East Fork Andreafsky River	Weir count	Percentile	Volk et al. 2009
West Fork Andreafsky River	Peak aerial survey[c]	Percentile	ADF&G 2004
Anvik River	Peak aerial survey	Percentile	ADF&G 2004
Nulato River (forks combined)	Peak aerial survey	Percentile	ADF&G 2004
Chena River	Tower, mark–recapture	SRA	Liller and Savereide 2022
Salcha River	Tower, mark–recapture	SRA	Evenson 2002
Canada Mainstem	Sonar	Agreement (U.S./Canada Joint Technical Committee)	JTC 2024
Norton Sound			
Kwiniuk River	Tower count	Percentile	Conitz et al. 2015
North River (Unalakleet R)	Tower count	Percentile	ADF&G 2004
CHUM SALMON			
Kuskokwim Area			
Middle Fork Goodnews River	Weir count	Percentile	ADF&G 2004
Kogrukluk River	Weir count	Percentile	ADF&G 2004

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Table 21.–Page 2 of 3.

System	Enumeration method	Goal development method	References
CHUM SALMON (cont.)			
Yukon River Summer Chum			
Yukon River Drainage	Sonar, weir count, tower count, aerial survey	SRA	Conitz et al. 2015; Hamazaki and Conitz 2015
East Fork Andreafsky River	Weir count	SRA	Fleischman and Evenson 2010; Volk et al. 2009
Anvik River	Sonar	SRA	ADF&G 2004
Yukon River Fall Chum			
Yukon River Drainage	Calculated - multiple surveys	SRA	Fleischman and Borba 2009; Volk et al. 2009
Delta River	Multiple foot surveys	Percentile	Liller and Savereide 2018
Teedriinjik (Chandalar) River	Sonar	Percentile	Liller and Savereide 2018
Fishing Branch River (Canada)	Weir count	Agreement (U.S./Canada Joint Technical Committee) Interim Management Escapement Goal, Percentile	JTC 2008; JTC 2013[d]
Yukon R. Mainstem (Canada)	Mark–recapture	Agreement (U.S./Canada Joint Technical Committee) Interim Management Escapement Goal, SRA	JTC 2010; JTC 2015
Norton Sound			
Nome River	Weir count	Percentile	Liller and Savereide 2018
Snake River	Tower/Weir count	Percentile	Liller and Savereide 2018
Eldorado River	Weir count	Percentile	Liller and Savereide 2018
Kwiniuk River	Tower count	Percentile	Liller and Savereide 2018
Tubutulik River	Peak aerial survey (expanded)	Percentile	Liller and Savereide 2018
Kotzebue Sound			
Noatak and Eli Rivers	Peak aerial survey	Percentile	Liller and Savereide 2018
Upper Kobuk w/Selby River	Peak aerial survey	Percentile	Liller and Savereide 2018
COHO SALMON			
Kuskokwim Area			
Middle Fork Goodnews River	Weir count	Percentile	ADF&G 2004
Kogrukluk River	Weir count	Percentile	ADF&G 2004
Kwethluk River	Weir count	Empirical observation	Volk et al. 2009

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Table 21.–Page 3 of 3.

System	Enumeration method	Goal development method	References
COHO SALMON (cont.)			
Norton Sound			
Kwiniuk River	Peak aerial survey	Theoretical SRA	ADF&G 2004; Fair et al. 1999, memorandum[e]
Niukluk River/Ophir Creek	Peak aerial survey	Percentile	Conitz et al. 2015
North River (Unalakleet R.)	Peak aerial survey	Theoretical SRA	ADF&G 2004; Fair et al. 1999, memorandum[e]
PINK SALMON			
Kuskokwim Area			
There are no escapement goals for pink salmon in the Kuskokwim Management Area.			
Yukon River			
There are no escapement goals for pink salmon in the Yukon River drainage.			
Norton Sound			
Nome River (odd year)	Weir count	Empirical observation	ADF&G 2004
Nome River (even year)	Weir count	Empirical observation	ADF&G 2004; Fair et al. 1999, memorandum[e]
Kwiniuk River	Tower count	Empirical observation	ADF&G 2004
North River	Tower count	Empirical observation	ADF&G 2004
SOCKEYE SALMON			
Kuskokwim Area			
North (Main) Fork Goodnews River	Single aerial survey	Percentile	Conitz et al. 2015
Middle Fork Goodnews River	Weir count	Percentile	Liller and Savereide 2018
Kanektok River	Single aerial survey	Percentile	Conitz et al. 2015
Kogrukluk River	Weir count	Percentile	Volk et al. 2009
Yukon River			
There are no escapement goals for Sockeye in the Yukon River drainage.			
Norton Sound			
Pilgrim River (Salmon Lake)	Weir	Percentile	Liller and Savereide 2018
Glacial Lake	Peak aerial survey	Empirical observation	ADF&G 2004; Fair et al. 1999, memorandum[e]

Note: SRA = spawner–recruit analysis.

[a] Typically, single surveys are done around time of presumed peak of the run with no expansion of counts.

[b] Bue et al. (2012).

[c] One or more aerial surveys are attempted during the peak of the run. Peak count is used to index the escapement.

[d] Assessment project at Fishing Branch weir no longer operated, and JTC has not reached consensus on future of this goal. Will remain same as 2013 by default (JTC 2015).

[e] Fair, L., C. Lean, F. DeCicco, J. Magdanz, and R. McLean. Proposed Salmon BEGs for Norton Sound and Kotzebue Sound. ADF&G memorandum, March 24, 1999.

Table 22.–Methods used to enumerate and develop current escapement goals for Westward Region (Alaska Peninsula/Aleutian Islands, Kodiak, and Chignik areas) Chinook, chum, coho, pink, and sockeye salmon stocks.

System	Enumeration method	Goal development method	References
CHINOOK SALMON			
AK Peninsula			
Nelson River	Weir, peak aerial survey[a]	SRA	Schaberg, Finkle, et al. 2019
Chignik			
Chignik River	Weir count	SRA	Hasbrouck and Clark *unpublished*[b]; Witteveen et al. 2005
Kodiak			
Karluk River	Weir count	SRA	Nemeth et al. 2010
Ayakulik River	Weir count	SRA	Schaberg et al. 2016
CHUM SALMON			
AK Peninsula			
Northern District	Peak aerial survey	Percentile	Finkle et al. 2022b
Northwestern District	Peak aerial survey	Percentile	Finkle et al. 2022b
Southeastern District	Peak aerial survey	Percentile	Schaberg, Finkle, et al. 2019
South Central District	Peak aerial survey	Percentile	Schaberg, Finkle, et al. 2019
Southwestern District	Peak aerial survey	Percentile	Schaberg, Finkle, et al. 2019
Chignik			
Entire Chignik Area	Peak aerial survey	Percentile	Schaberg, Tracey, et al. 2015
Kodiak			
Kodiak Archipelago Aggregate	Peak aerial survey	Percentile	Schaberg et al. 2016
COHO SALMON			
AK Peninsula			
Nelson River	Peak aerial survey	Percentile	Finkle et al. 2022b
Ilnik River	Peak aerial survey	Percentile	Finkle et al. 2022b
Chignik			
There are no coho salmon stocks with escapement goals in Chignik Area			
Kodiak			
Pasagshak River	Foot survey	Theoretical SRA	Nemeth et al. 2010
Buskin River	Weir count	SRA, Percentile	Sagalkin et al. 2013; Schmidt et al. 2014; McKinley et al. 2019
Olds River	Foot survey	Percentile	McKinley et al. 2019
American River	Foot survey	Theoretical SRA	Nemeth et al. 2010

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Table 22.–Page 2 of 3.

System	Enumeration method	Goal development method	References
PINK SALMON			
AK Peninsula			
South Peninsula Total	Peak aerial survey	SRA	Schaberg, Finkle, et al. 2015
Chignik			
Entire Chignik Area (odd year)	Peak aerial survey	Percentile	Schaberg, Tracy, et al. 2015
Entire Chignik Area (even year)	Peak aerial survey	Percentile	Schaberg, Tracy, et al. 2015
Kodiak			
Mainland District	Peak aerial survey	SRA	Nemeth et al. 2010
Kodiak Archipelago (odd year)	Peak aerial survey	SRA	Nemeth et al. 2010
Kodiak Archipelago (even year)	Peak aerial survey	SRA	Nemeth et al. 2010
SOCKEYE SALMON			
AK Peninsula			
Cinder River	Peak aerial survey	Percentile	Schaberg, Finkle, et al. 2015
Ilnik River	Weir count	Percentile	Finkle et al. 2022b
Meshik River	Peak aerial survey	Percentile	Schaberg, Finkle, et al. 2015
Sandy River	Weir count	Percentile	Finkle et al. 2022b
Bear River – early run	Weir count	Spawning habitat model, percentile, euphotic volume model, zooplankton model, lake surface area	Nelson et al. 2006
Bear River – late run	Weir count	Spawning habitat model, percentile, euphotic volume model, zooplankton model, lake surface area	Nelson et al. 2006
Nelson River	Weir count	SRA	Nelson et al. 2006
Christianson Lagoon	Peak aerial survey	Percentile	Finkle et al. 2022b
North Creek	Peak aerial survey	Percentile	Schaberg, Finkle, et al. 2019
Orzinski Lake	Weir count	Percentile	Nelson and Lloyd 2001; Nelson et al. 2006
Mortensen Lagoon	Peak aerial survey	Percentile	Finkle et al. 2022b
Thin Point Lake	Peak aerial survey	Percentile	Finkle et al. 2022b
McLees Lake	Weir count	Percentile	Schaberg, Finkle, et al. 2019
Chignik			
Chignik River	Weir count	SRA, euphotic volume model, zooplankton model	Finkle et al. 2022a; OEGs: Black Lake (early run) 5 AAC 15.357 (a) (1), Chignik Lake (late run) 5 AAC 15.357 (a) (2)

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Table 22.–Page 3 of 3.

System	Enumeration method	Goal development method	References
Kodiak			
Afognak (Litnik) River	Weir count	SRA	Nelson et al. 2005; McKinley et al. 2019
Karluk River Early Run	Weir count	SRA	Schaberg et al. 2016
Karluk River Late Run	Weir count	SRA	Schaberg et al. 2016
Ayakulik River Early Run	Weir count	Zooplankton Model, Empirical Observation	Nemeth et al. 2010
Ayakulik River Late Run	Weir count	Zooplankton Model, Empirical Observation	Nemeth et al. 2010
Upper Station River Early Run	Weir count	SRA	Nemeth et al. 2010
Upper Station River Late Run	Weir count	SRA	Nelson et al. 2005; McKinley et al. 2019
Frazer Lake	Weir count	SRA	Honnold, Witteveen, Foster et al. 2007
Saltery Lake	Weir count	SRA, Zooplankton Model	Nemeth et al. 2010
Pasagshak River	Weir count	Percentile	Foster et al. 2023
Buskin Lake	Weir count	SRA	Nemeth et al. 2010

Note: SRA = spawner–recruit analysis.

[a] One or more aerial surveys are attempted during the peak of the run. Peak count is used to index the escapement.

[b] Hasbrouck, J. J., and R. A. Clark. *Unpublished*. Escapement goal review of Chinook salmon in the Ayakulik, Chignik, and Karluk Rivers. Alaska Department of Fish and Game, Report to the Alaska Board of Fisheries, December 2001, Anchorage.

FIGURES

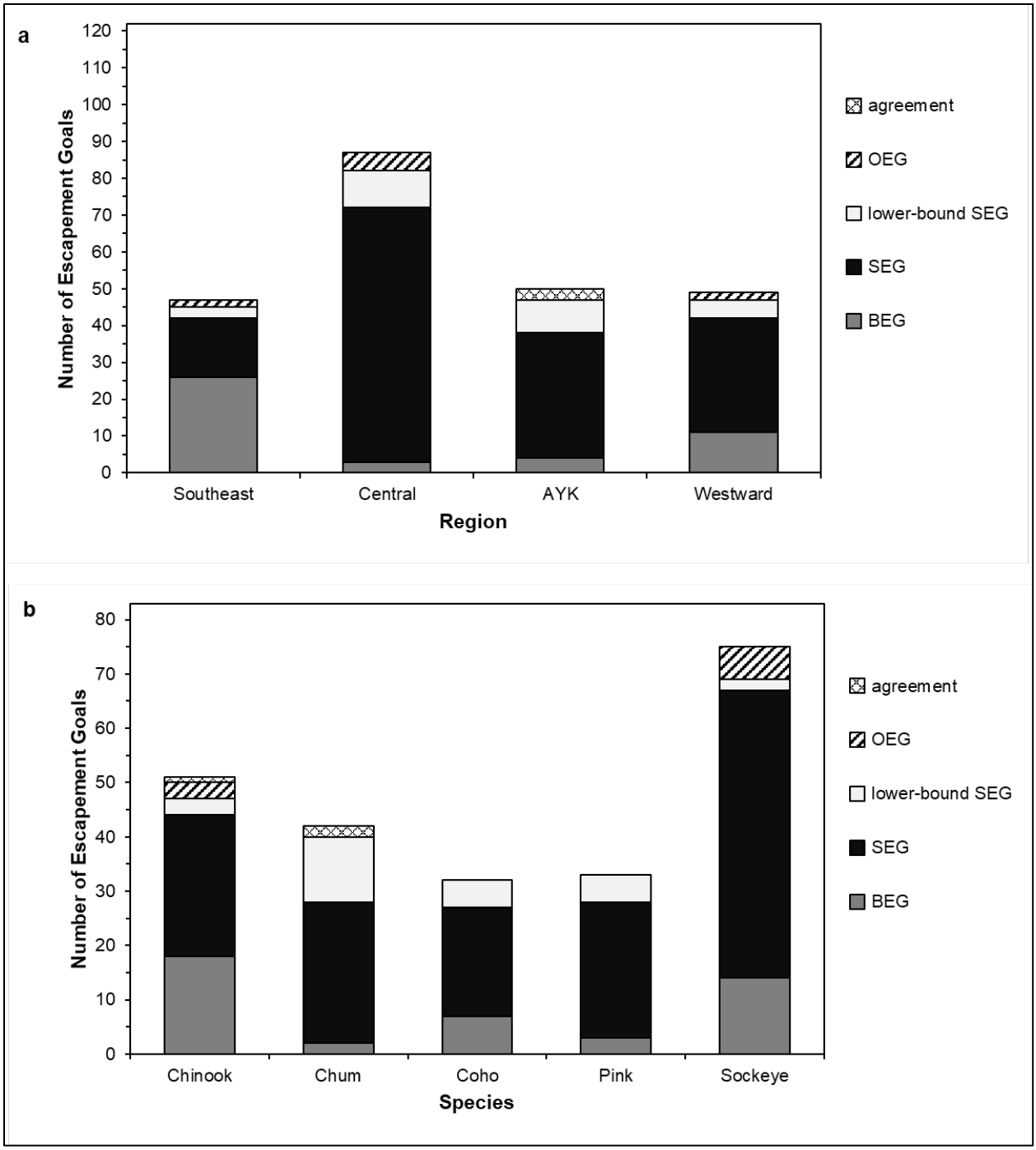

Figure 1.–Statewide summary of the 233 escapement goals in effect during the 2024 spawning season for the Division of Commercial Fisheries by region (a) and by species (b).

Note: BEG is biological escapement goal, SEG is sustainable escapement goal, and OEG is optimal escapement goal (set by the Alaska Board of Fisheries). Agreement goals are established through international treaties.

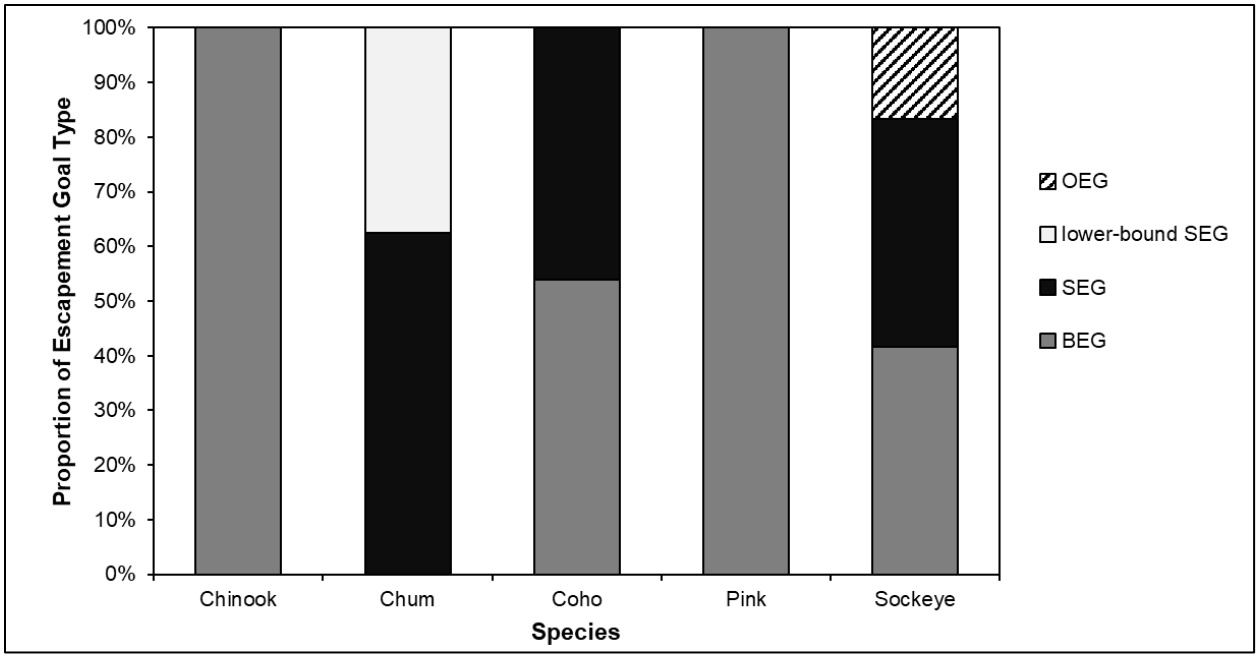

Figure 2.–Proportion of escapement goal types by species for the 47 escapement goals in Southeast Region.

Note: BEG is biological escapement goal, SEG is sustainable escapement goal, and OEG is optimal escapement goal (set by the Alaska Board of Fisheries).

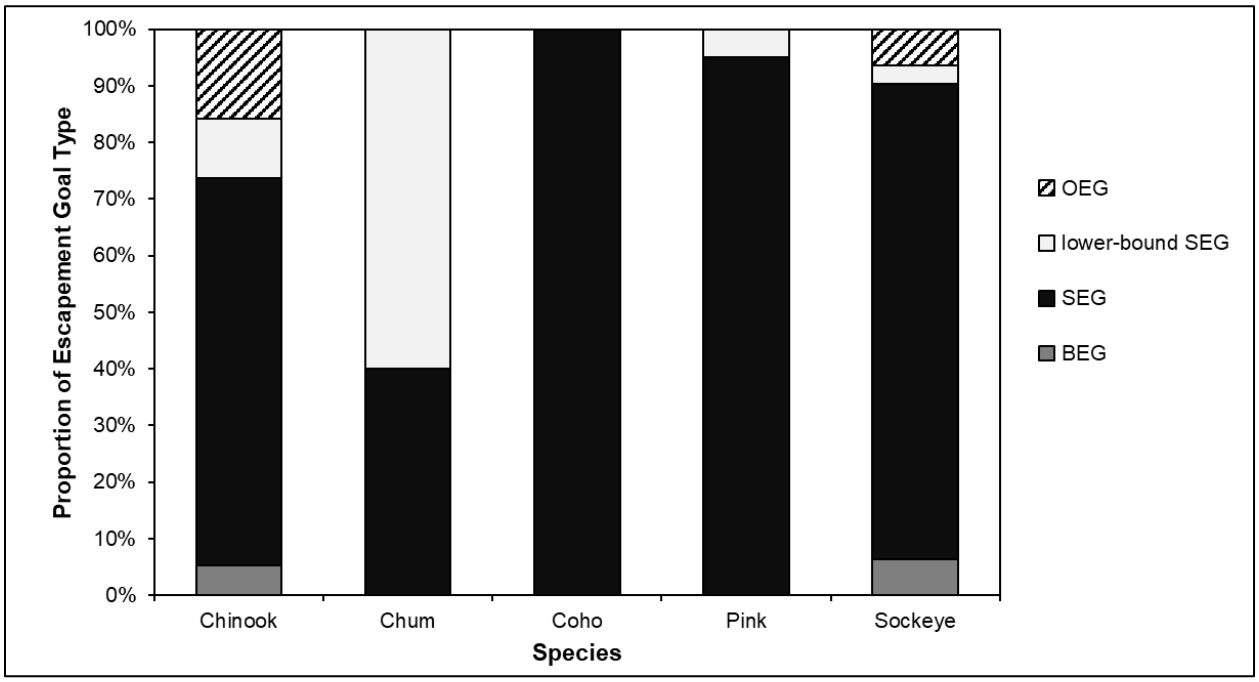

Figure 3.–Proportion of escapement goal types by species for the 87 escapement goals in Central Region (Bristol Bay, Cook Inlet, and Prince William Sound/Copper River).

Note: BEG is biological escapement goal, SEG is sustainable escapement goal, and OEG is optimal escapement goal (set by the Alaska Board of Fisheries).

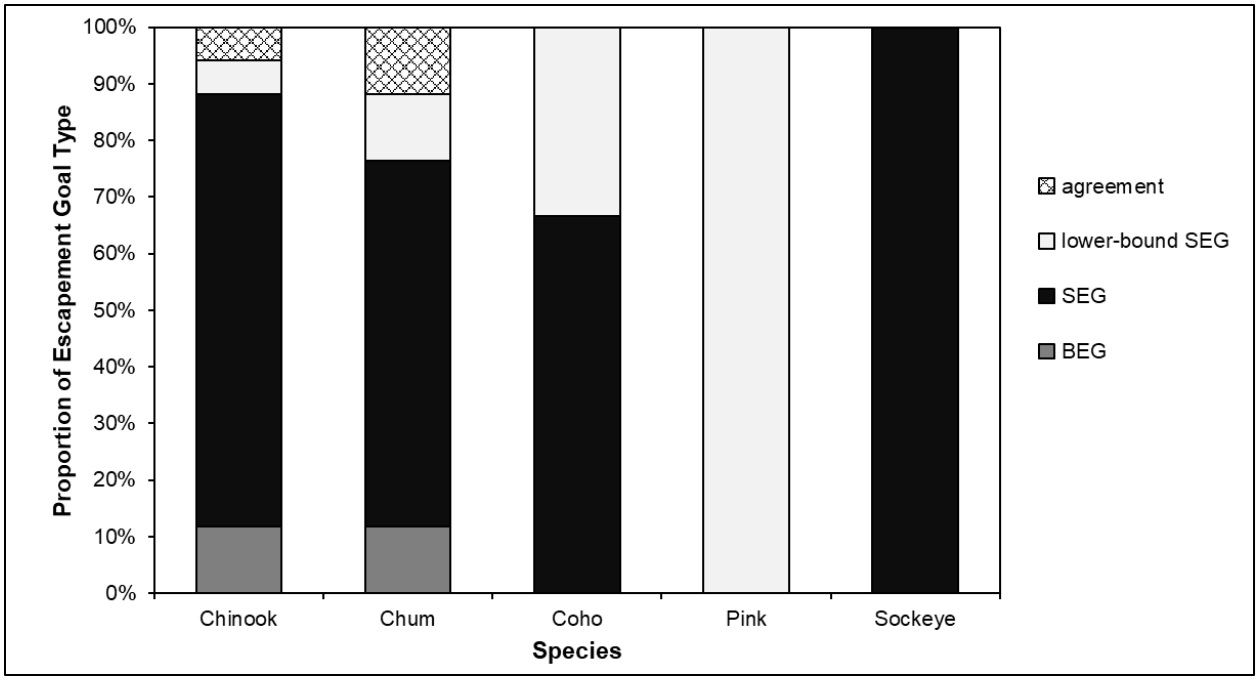

Figure 4.–Proportion of escapement goal types by species for the 50 escapement goals in Arctic–Yukon–Kuskokwim Region.

Note: BEG is biological escapement goal, SEG is sustainable escapement goal, and OEG is optimal escapement goal (set by the Alaska Board of Fisheries). Agreement goals are established through international treaties.

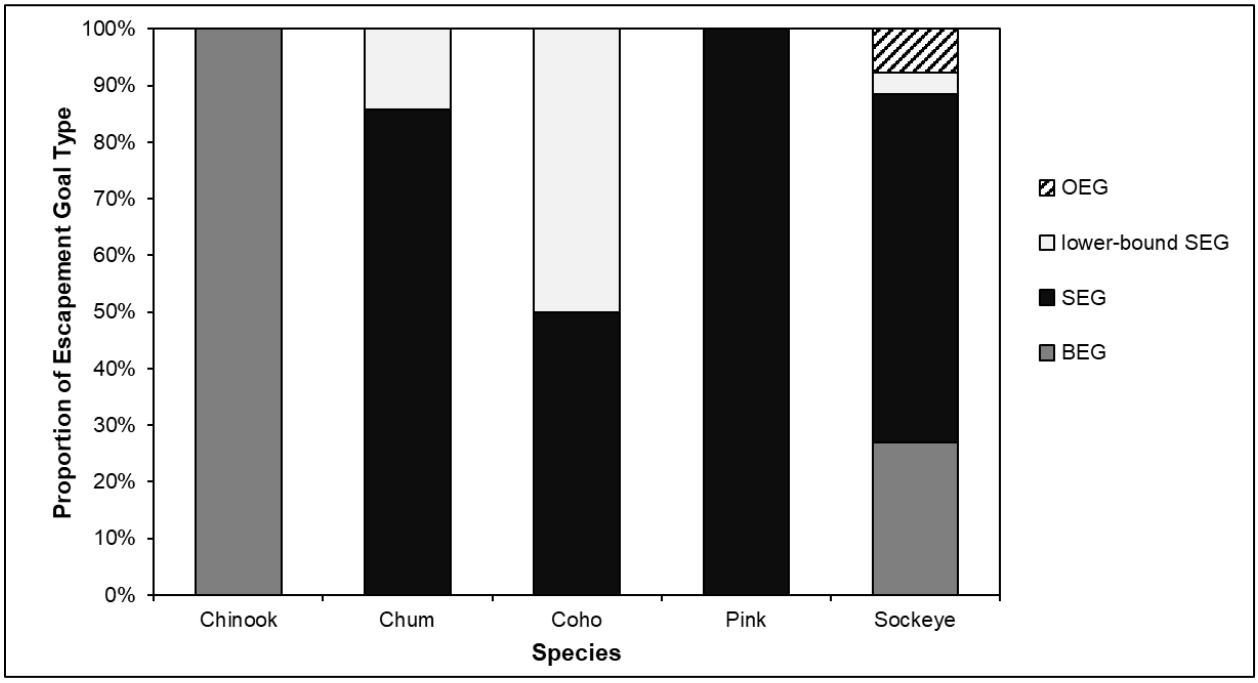

Figure 5.–Proportion of escapement goal types by species for the 49 escapement goals in Westward Region (Alaska Peninsula/Aleutian Islands, Kodiak, and Chignik areas).

Note: BEG is biological escapement goal; SEG is sustainable escapement goal, and OEG is optimal escapement goal (set by the Alaska Board of Fisheries).

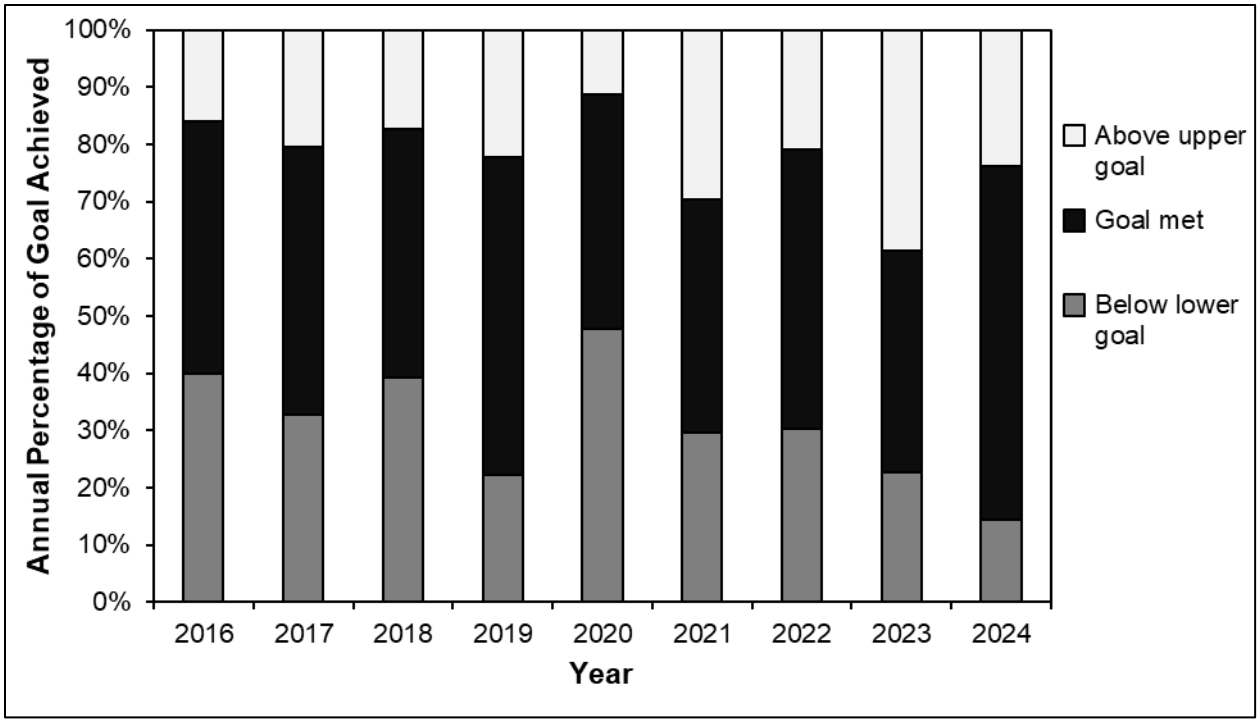

Figure 6.–Southeast Region salmon escapements compared against escapement goals for the years 2016 to 2024.

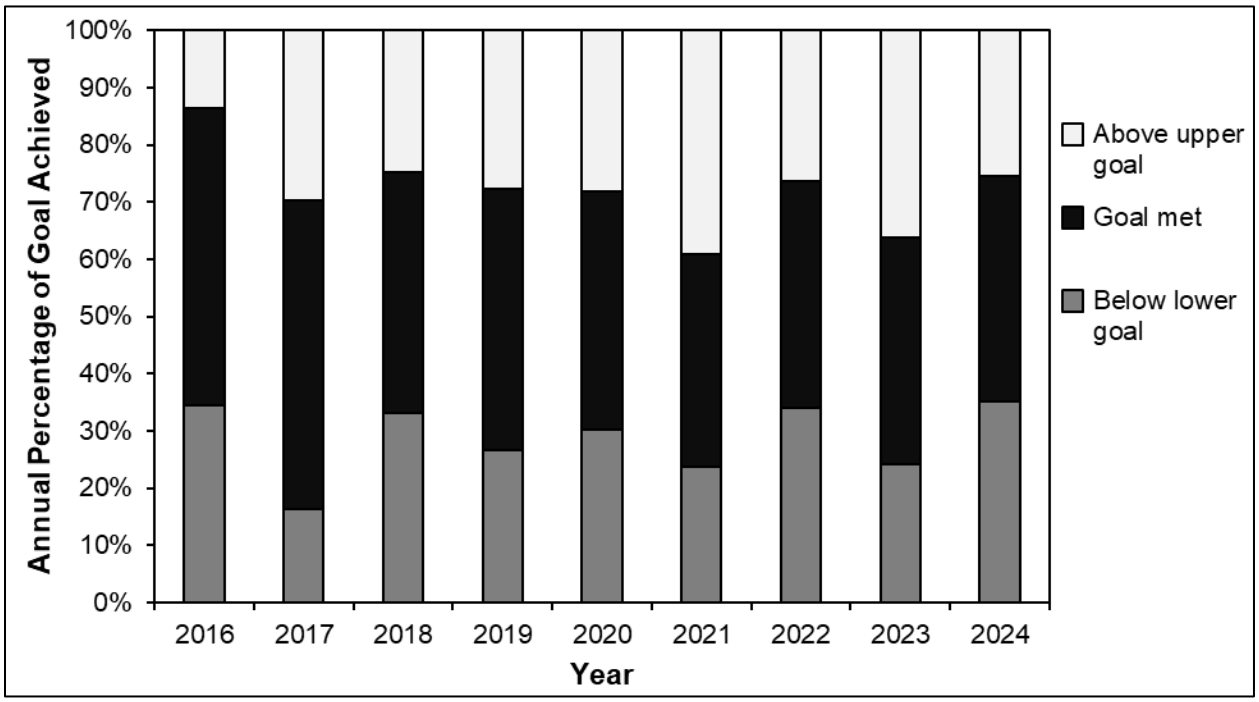

Figure 7.–Central Region (Bristol Bay, Cook Inlet, Prince William Sound/Copper River) salmon escapements compared against escapement goals for the years 2016 to 2024.

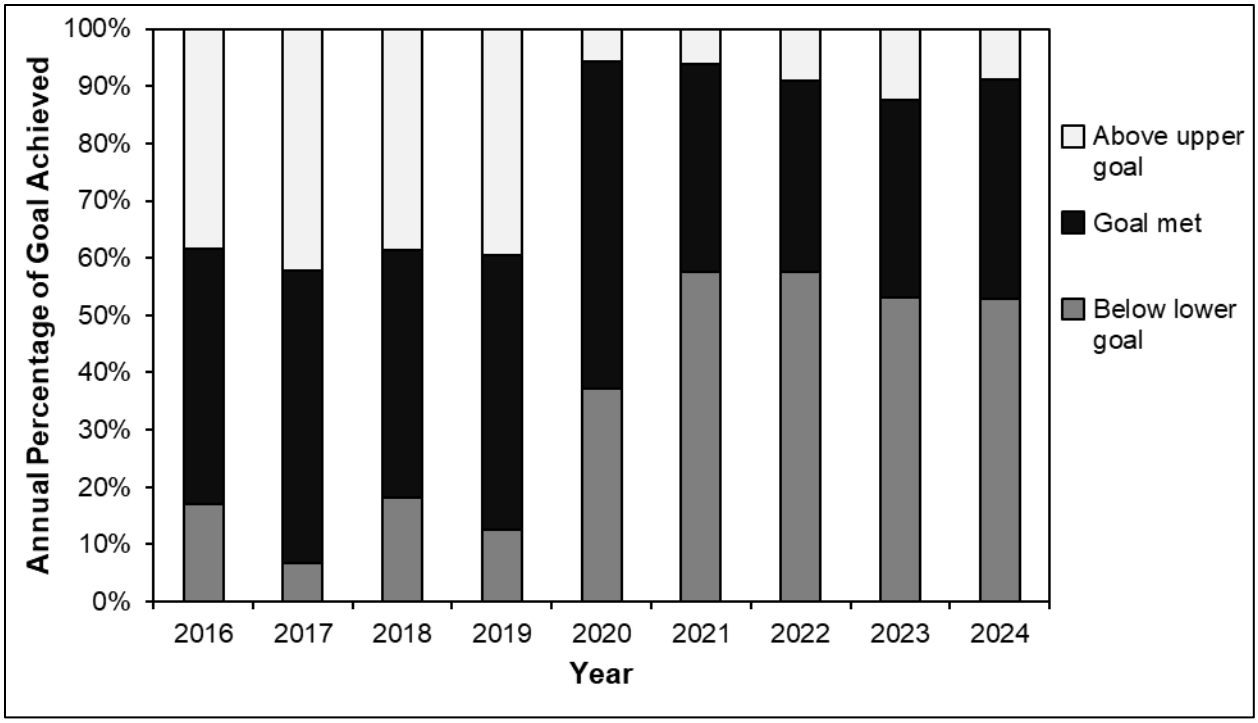

Figure 8.–Arctic–Yukon–Kuskokwim Region salmon escapements compared against escapement goals for the years 2016 to 2024.

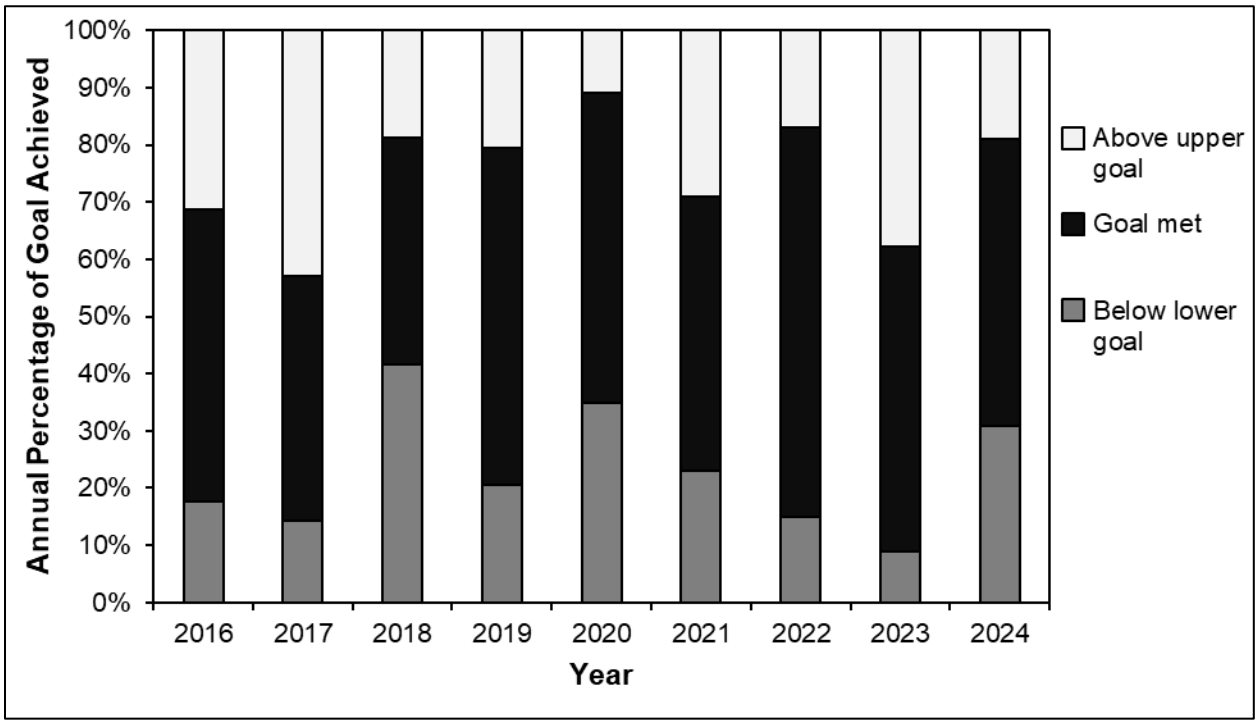

Figure 9.–Westward Region (Alaska Peninsula/Aleutian Islands, Kodiak, and Chignik) salmon escapements compared against escapement goals for the years 2016 to 2024.

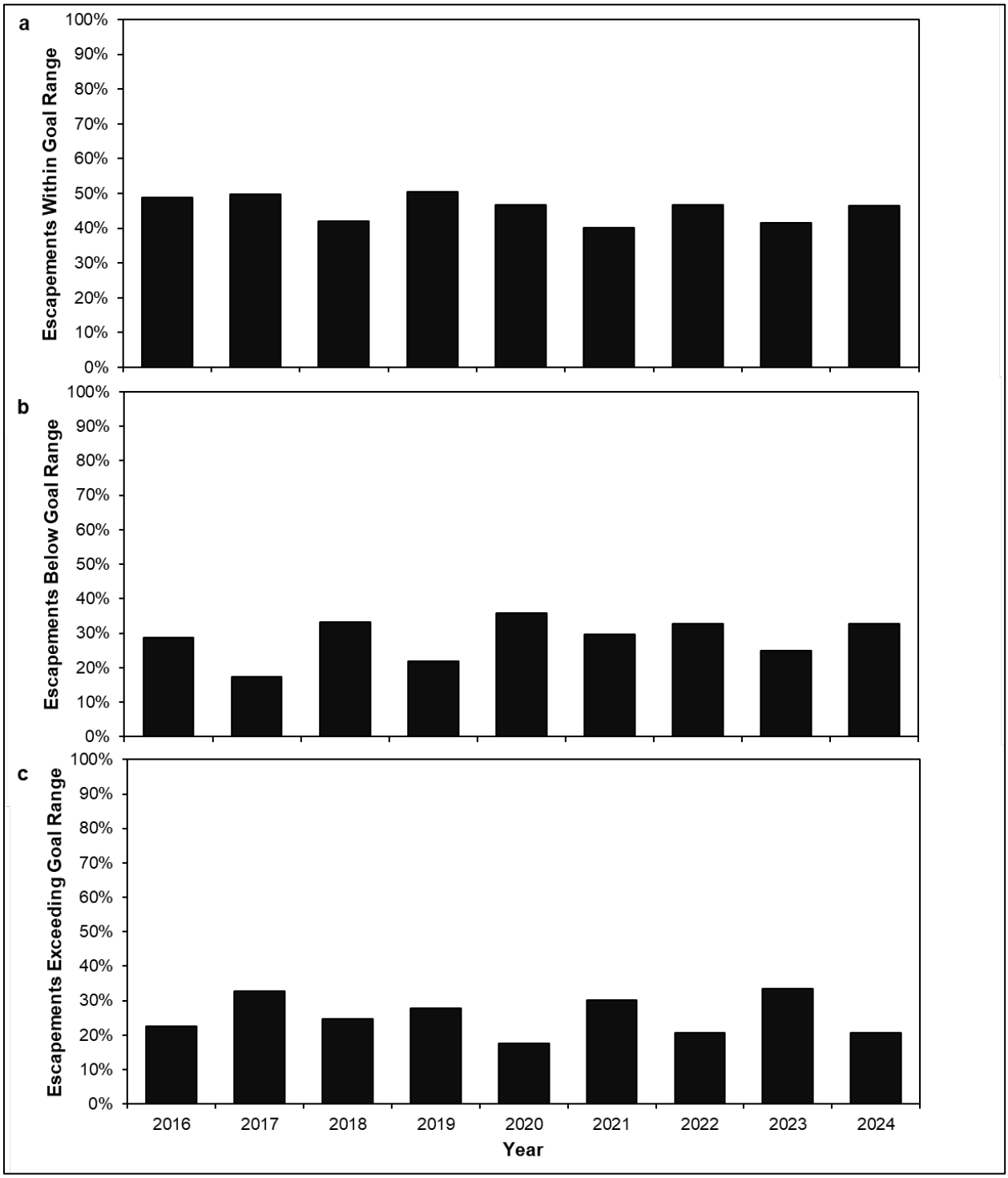

Figure 10.–Statewide summary by year of percentage of escapements that (a) met the escapement goal (i.e., within goal range or above lower bound), (b) were below lower bound of goal, or (c) exceeded upper bound of goal range for the years 2016 to 2024.

APPENDIX

MEMORANDUM

STATE OF ALASKA
DEPARTMENT OF FISH AND GAME
Division of Commercial Fisheries and Sport Fish

TO: Distribution

DATE: 4/12/2024

PHONE: 465-4210 (Rabung)
267-2814 (Payton)

FROM: Sam Rabung, Director
Division of Commercial Fisheries
Juneau

Israel Payton, Director
Division of Sport Fish
Juneau

SUBJECT: Approval of Final Escapement Goal Findings for Selected Lower Cook Inlet, Kodiak, and Upper Cook Inlet Salmon Stocks

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The purpose of this memo is to provide final approval to include the findings found in the reports listed below as Alaska Department of Fish and Game (ADF&G) salmon escapement goals for the Lower Cook Inlet, Kodiak, and Upper Cook Inlet areas.

Otis, E. O., J. W. Erickson, M. D. Booz, and T. McKinley. 2023. A review of escapement goals for salmon stocks in Lower Cook Inlet, Alaska, 2023. Alaska Department of Fish and Game, Fishery Manuscript Series No. 23-02, Anchorage.

Foster, M. B., T. B. Polum, M. L. Wattum, E. K. C. Fox, T. R. McKinley, K. L. Schaberg, and H. Finkle. 2023. Review of salmon escapement goals in the Kodiak Management Area, 2022. Alaska Department of Fish and Game, Fishery Manuscript No. 23-03, Anchorage.

McKinley, T. R., J. W. Erickson, T. Eskelin, N. DeCovich, and H. Hamazaki. 2024. Review of salmon escapement goals in Upper Cook Inlet, Alaska, 2023. Alaska Department of Fish and Game, Fishery Manuscript No. 24-01, Anchorage.

The *Policy for the Management of Sustainable Salmon Fisheries* (SSFP; 5 AAC 39.222) directs the department to provide the Alaska Board of Fisheries (board) with reports on status of salmon stocks and salmon fisheries, and identification of escapement goals, at regular meetings for each management area. Escapement goals were evaluated, and findings provided based on the SSFP and the *Policy for Statewide Salmon Escapement Goals* (5 AAC 39.223). These findings have been reviewed and accepted by the respective Regional Supervisors. Oral and written reports were presented to the board regarding the work of escapement goal committees at the respective area meetings during the 2023–2024 cycle.

This memo signifies approval and acceptance of these findings as ADF&G established salmon escapement goals.

cc: Reimer, Templin, Munro, Howard, Bowers, Taube, Wiita, Lewis, Sagalkin, Dye, Erickson, McKinley, Schaberg