

1/28/00

Overview:

Dept.

F & G

SFIN

FILE

Division of Habitat Performance Measures from SB 169, Section 67

1. Permit projects involving construction of a dam or other obstruction in a fish-bearing water body where efficient fish passage was maintained, mitigated, or compensated compared to projects permitted. AS 16.05.840.

During FY99, 333 projects potentially involving fish passage were reviewed to ensure efficient fish passage was maintained. 324 were permitted, and one project was denied. Eight projects did not require a fish passage permit.

2. Permit projects where fish and game populations and habitat in specified anadromous water bodies were maintained, protected, or enhanced compared to number of projects permitted. AS 16.05.870.

1,100 projects involving anadromous waterbodies were reviewed in 1999. 1043 were permitted, 9 were denied, and 48 did not require a permit.

3. Compare projects where unavoidable losses to fish and game populations were successfully mitigated compared to the number of (A) projects involving unavoidable losses to fish and game; and (B) all projects permitted.

Annual permit summary data are not compiled in a manner to directly make this comparison.

4. Issue permits where violations of permit terms and conditions are satisfactorily resolved compared to the number of (A) permits whose terms and conditions were violated; and (B) all permits issued.

During FY99, staff estimate that less than 30 Notices of Violation were issued statewide, and less than 10 violations were pursued for prosecution during this period. When violations are noticed, staff work with the public to bring them into compliance with statutory requirements and permit those projects accordingly.

Alaska Department of Fish and Game
Division of Commercial Fisheries
Performance Measures

Robert D. Mecum
Director

January 2000

Sec. 65. DF&G - Division of Commercial Fisheries. (a) The mission of the Division of Commercial Fisheries is to manage, protect, rehabilitate, enhance, and develop fisheries and aquatic plant resources in the interest of the economy, consistent with the sustained yield principle and subject to allocations through public regulatory processes.

(b) The legislature intends to measure the success of the division in achieving its mission by considering:

- 1) the harvest for each fishery, based on the location, species, and gear, compared to the 10-year average for that fishery;
- 2) the percentage of fisheries open in one year compared to total number of fisheries;
- 3) the percentage of permits actively fished compared to 10-year average of permits fished;
- 4) the actual harvest compared to the projection;
- 5) the number of escapement objectives met compared to the total number of objectives;
- 6) the number of allocation objectives met compared to total number of objectives.

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Alaska Fishery Harvests Compared with 10 Year Average

SALMON	Southeast	Cook Inlet/PWS/Bristol Bay	AYK	Kodiak/AK Pen	TOTAL
99 HARVEST (number)	95,600	80,590	490	36,880	213,560
10 YR AVG	59,904	61,420	1,819	35,943	174,994
% of AVG	160%	131%	27%	103%	122%

SHELLFISH	Southeast	Kodiak/Aleutians/Bristol Bay	AYK	TOTAL
99 HARVEST (pounds)	15,159,310	210,007,600	-	225,166,910
10 YR AVG	13,901,857	234,069,166	187,620	247,971,023
% of AVG	109%	90%	0%	91%

HERRING	Southeast	Cook Inlet/PWS/Bristol Bay	AYK	Kodiak/AK Pen	TOTAL
99 HARVEST (pounds)	19,530,000	37,898,000	14,396,000	3,280,000	75,104,000
10 YR AVG	18,708,819	53,530,788	13,526,714	11,863,001	105,765,100
% of AVG	104%	71%	106%	28%	71%

GROUND FISH	Southeast	Cook Inlet/PWS/Bristol Bay	Kodiak/AK Pen	TOTAL
99 HARVEST (pounds)	17,660,257	1,276,366,406	714,480,636	2,008,507,299
10 YR AVG	28,332,331	1,389,988,719	1,376,750,668	2,795,071,718
% of AVG	62%	92%	52%	72%

only includes groundfish landed at shore based plants, or catcher/processors fishing within state-managed waters.

Salmon data from Herman Savikko

Shellfish data from Herman Savikko

Herring data from TIX and ADFG web site

Groundfish data from TIX.

Commercial 'Fisheries' Conducted in 1999, by Area, by Fishery Type ^{1/}

FISHERY /1	AREA											
	SE	PWS	CI	BBAY	KUSKOKWIM	YUKON	NORTON SND	KOTZEBUE	KODIAK	CHIGNIK	AK PENINSULA	BERING SEA
Salmon	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Herring	6 OF 7	1 OF 3	1 OF 2	YES	4 OF 5	YES	YES	N/A	YES	N/A	YES	YES
Crab	YES	N/A	N/A	YES	N/A	N/A	NO	N/A	N/A	N/A	YES	2 OF 5
Shrimp	YES	YES	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	YES
Miscellaneous Shellfish	YES	N/A	YES	N/A	N/A	N/A	N/A	N/A	YES	N/A	YES	YES
Groundfish	YES	YES	YES	YES	YES (CDO)	YES (CDO)	YES (CDO)	N/A	YES	N/A	N/A	N/A
Miscellaneous Finfish	YES	YES	N/A	N/A	YES	YES	YES	YES	N/A	N/A	YES	YES
Halibut	YES	YES	YES	YES (CDO)	YES (CDO)	YES (CDO)	YES (CDO)	N/A	YES	YES	YES	YES (CDO)

^{1/} For the purposes of reporting Industries' intentions to participate in commercial fisheries buying and production, the State of Alaska uses those fishery 'types' 1999 performance is based upon recent 5-year trend of fishery availability. In some cases, such as with herring, market conditions rather than biological reasons determined whether a fishery would occur or not.

The percentage of permits actively fished compared to the 10-year average of permits fished

Fishery	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	Average Number of Permits Fished		Percent of average fished in 1998
											1988-1997	1998	
Groundfish	1,217	832	1,254	1,600	1,799	1,220	1,152	1,326	1,459	1,542	1,340	1,367	102%
Halibut	3,949	3,664	4,236	4,521	4,039	3,418	3,448	2,508	2,416	2,403	3,460	2,365	68%
Herring	2,570	2,553	2,429	2,169	2,478	1,581	1,758	2,130	2,881	2,472	2,302	1,334	58%
Sablefish	926	839	844	1,140	1,195	1,042	1,193	888	850	799	972	815	84%
Salmon	10,516	9,333	10,472	10,423	10,288	10,102	9,800	9,862	9,274	9,182	9,925	8,887	90%
Shellfish	2,173	2,007	2,271	2,371	2,536	2,670	2,232	2,379	2,124	1,970	2,273	2,002	88%

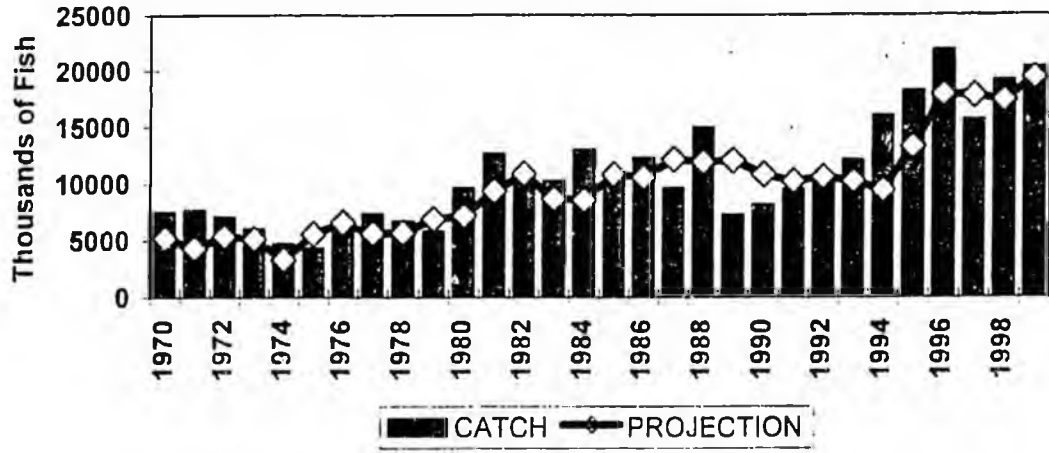
data from CFEC 1/25/99

note: 1999 data not available

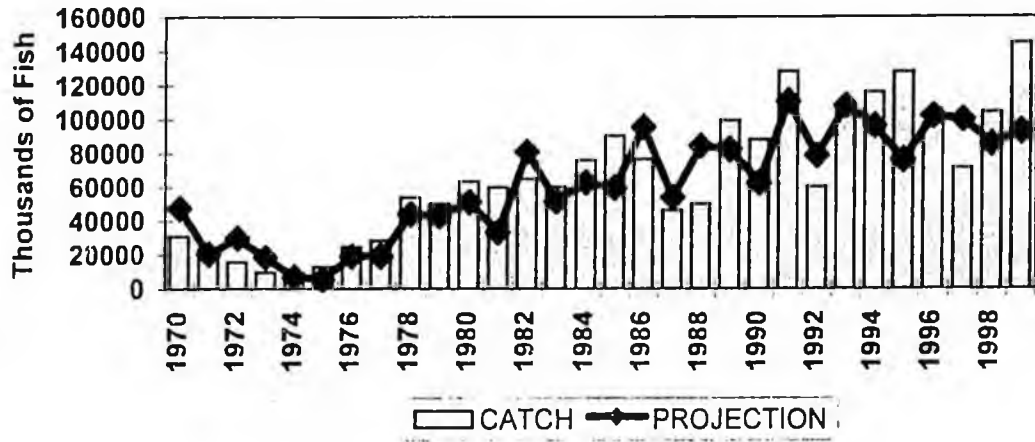
Number of permits is influenced by IFQs, limited entry implementations and moratoriums

Projected versus actual salmon catch

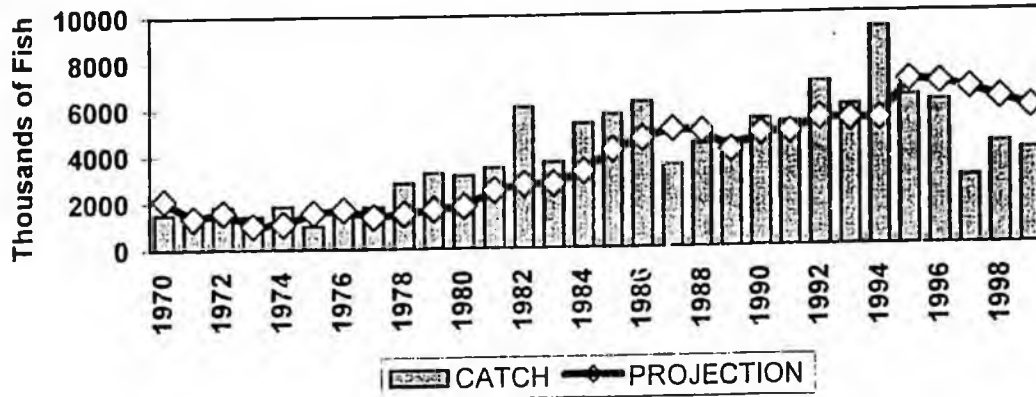
Projected vs Actual Commercial Catch Chum Salmon



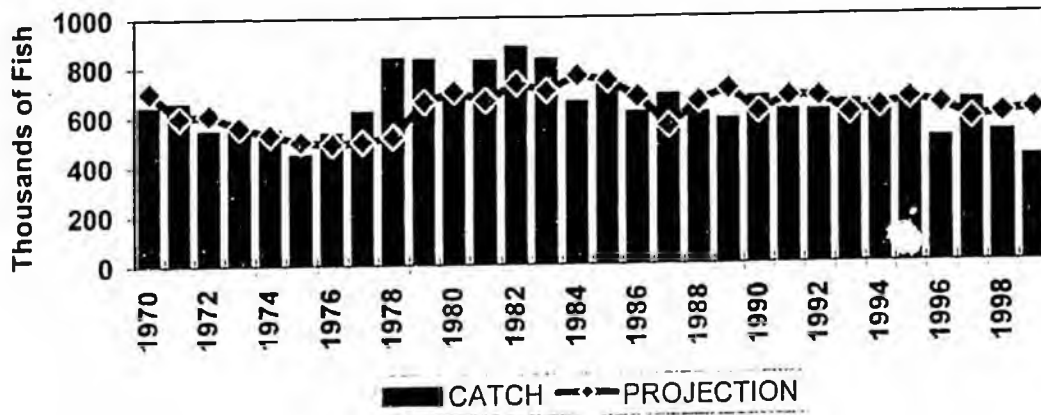
Projected vs Actual Commercial Catch Pink Salmon



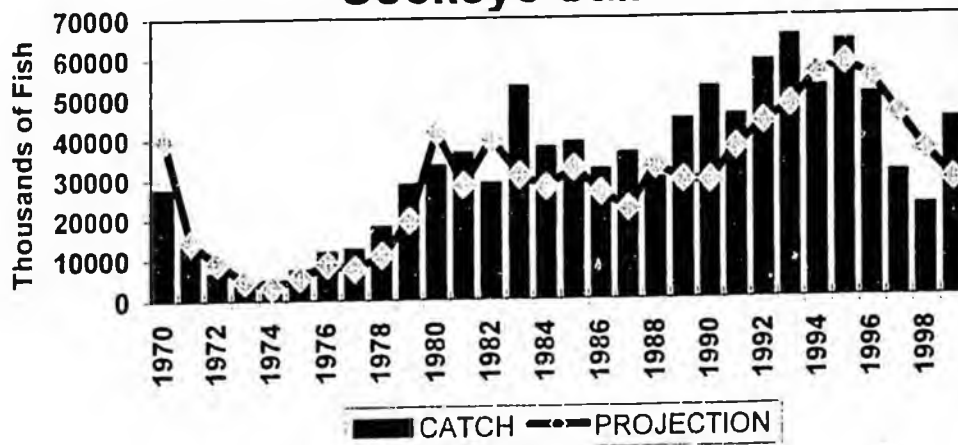
Projected vs Actual Commercial Catch Coho Salmon



Projected vs Actual Commercial Catch Chinook Salmon



Projected vs Actual Commercial Catch Sockeye Salmon



1999 Achievement of escapement goal objectives

	Area	Species	Within goal range	Under range	Over range
Region 1	Chilkat	sockeye			X
	Chilkoot	sockeye	X		
	Stikine	sockeye		X	
	Taku	sockeye	X		
	Alsek	sockeye		X	
	Situk	sockeye	X		
	Southeast	coho			X
	Southeast	pink	X		
	Southeast	chinook	7	2	2
Region 2	Upper Cook Inlet	sockeye	1	2	3
	Lower Cook Inlet	pink		X	
		chum	X		
		sockeye			X
	Bristol Bay	sockeye	X		
	Prince William Sound	chum	X		
		pink	X		
	Copper River	sockeye	X		
	Region 3	Upper Yukon	chum	1	4
coho			X		
Lower Yukon		chinook	X		
		chum		X	
Kuskokwim		sockeye	X		
		coho		X	
		chum	X		
Norton Sound		chum		X	
Kotzebue		chum	3		2
Region 4	Kodiak	pink			X
		chum	X		
		sockeye			X
	Chignik	sockeye	X		
	South Peninsula	pink	X		X
		chum			X
	North Peninsula	sockeye	X		
		sockeye			X
		chum	X		
	coho	X			

Escapements and biological escapement ranges have been lumped together for some areas (i.e. Bristol Bay)
 Numbers indicate the number of systems monitored, an X indicates that the data is lumped

1999 Allocation Objectives

		Allocation	Gear group	Actual	Comments
Southeast	Coho	61%	troll	63%	based on long term average
		19%	seine	15%	based on long term average
		13%	drift net	14%	based on long term average
		7%	set net	8%	based on long term average
	Chinook	69%	troll	68%	based on long term average
		9%	net	7%	based on long term average
		22%	sport	24%	based on long term average
	Enhanced salmon	44-49%	seine	above	based on 5-yr moving average
		27-32%	troll	below	based on 5-yr moving average
		24-29%	gill net	within	based on 5-yr moving average
11-A King crab	45%	personal use-summ	41%		
	9%	personal use-winter	9%		
	46%	commercial	0%	closed-below threshold	
Prince William Sound	50%	drift net	63%	adjusted through BOF review	
	49%	seine	36%	adjusted through BOF review	
	10%	set net	10%	adjusted through BOF review	
Bristol Bay	Naknek	84%	drift net	85%	inseason adjusted
	Naknek	16%	set net	15%	inseason adjusted
	Naknek	86%	drift net	85%	inseason adjusted
	Egegik	14%	set net	15%	inseason adjusted
	Egegik	90%	drift net	89%	inseason adjusted
	Ugashik	10%	set net	11%	inseason adjusted
	Ugashik	74%	drift net	70%	inseason adjusted
	Nushagak	26%	set net	30%	inseason adjusted
Kodiak	Cape Igvak	15%	seiners	15.40%	
	SEDM	6%	Chignik bound fish	5.90%	