

Preliminary 2021 and Final 2020 Allocation Estimates of Enhanced Salmon in Southeast Alaska

Updated 04/05/2022

Presented at the Southern, Northern, and Joint Southeast Regional Planning Team Meeting

April 06, 2022

Allocation Background

- **Southeastern Alaska Area Enhanced Salmon Allocation Management Plan (5 AAC 33.364 Eff. 5/29/94).**
 - **The purpose is to provide a fair and reasonable distribution of salmon harvest from enhancement projects among the seine, troll, and drift gillnet commercial fisheries. The Board of Fisheries adopted the following value allocations:**
 - Seine: 44-49%**
 - Troll: 27-32%**
 - Gillnet: 24-29%**
 - **The value of hatchery-produced salmon harvested each year shall be determined by the department based on data from the Commercial Fisheries Entry Commission (CFEC).**
 - **Allocation percentage goals should be based on five-year increments and only apply to those who pay the 3% Salmon Enhancement Tax. Sport, personal use, and subsistence allocation is determined by bag limits.**
 - **The Board of Fisheries may take action after discrepancies are determined to exist in the five-year average for three consecutive years.**
 - **The department may not make inseason adjustments in management in or out of the special harvest areas to achieve the allocation percentages.**

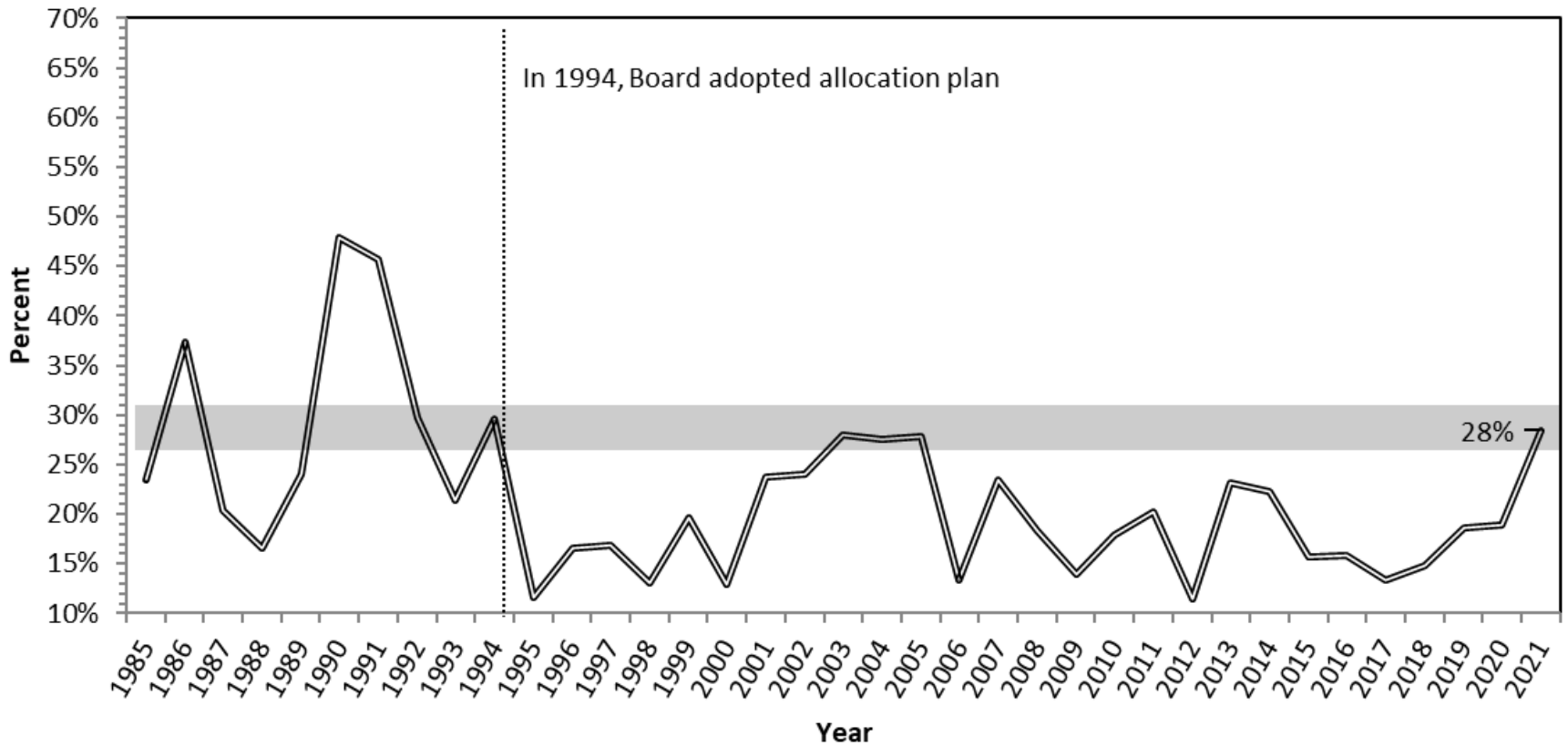
Method of Calculating Value:

- **Value = number of fish harvested x average weight x price per pound. If applicable, the value of roe sold from Special Harvest Areas is added into the appropriate value equation and the Hidden Falls tax assessment value is subtracted from the NSRAA chum salmon seine value.**
- **The number of fish harvested by gear group is reported by the hatchery operators on their annual reports. These data may be found in *the Alaska Salmon Fisheries Enhancement Program Annual Report*.**
- **The average weights, except Southern Southeast Regional Aquaculture Association chum salmon, are provided by CFEC and can be found in the *Overview of the Southeast Alaska and Yakutat Commercial, Personal Use, and Subsistence Salmon Fisheries* report that is annually presented to the Board of Fisheries. SSRAA chum salmon are believed to be larger than the regional average, so weights are provided directly from SSRAA.**
- **Prices are determined by CFEC using Commercial Operator's Annual Reports (COAR) and verified using fish ticket data.**
- **The prices and pounds of roe sold are from CFEC data.**
- **The number of fish harvested and price data is finalized the following year.**

Value of Hatchery-Produced Commercial Harvest (All Species)

Dollar Value of Hatchery Produced Salmon in Southeast Alaska				
	Troll	Seine	Gillnet	Yearly Value
1985	\$1,420,786	\$3,428,844	\$1,200,076	\$6,049,706
1986	\$2,400,444	\$2,770,790	\$1,245,862	\$6,417,096
1987	\$1,460,796	\$4,298,648	\$1,426,244	\$7,185,688
1988	\$1,987,416	\$5,475,727	\$4,547,547	\$12,010,690
1989	\$1,599,441	\$2,718,810	\$2,323,091	\$6,641,342
1990	\$3,774,529	\$2,318,017	\$1,780,854	\$7,873,400
1991	\$3,837,368	\$2,353,588	\$2,217,805	\$8,408,761
1992	\$4,782,046	\$6,652,722	\$4,653,863	\$16,088,631
1993	\$4,353,481	\$11,089,282	\$4,934,886	\$20,377,649
1994	\$5,317,271	\$8,876,576	\$3,797,692	\$17,991,540
1995	\$2,871,032	\$14,789,338	\$7,169,053	\$24,829,423
1996	\$3,224,761	\$12,061,185	\$4,184,597	\$19,470,543
1997	\$3,004,073	\$10,752,998	\$4,037,169	\$17,794,241
1998	\$1,973,521	\$9,277,676	\$3,792,912	\$15,044,109
1999	\$3,461,492	\$10,061,642	\$4,110,113	\$17,633,247
2000	\$3,465,550	\$17,113,326	\$6,219,903	\$26,798,778
2001	\$3,752,912	\$7,170,159	\$4,852,294	\$15,775,364
2002	\$2,303,490	\$3,645,488	\$3,627,174	\$9,576,152
2003	\$2,774,408	\$3,744,188	\$3,385,285	\$9,903,881
2004	\$4,139,539	\$5,498,187	\$5,400,059	\$15,037,785
2005	\$3,522,736	\$4,405,236	\$4,707,650	\$12,635,622
2006	\$4,192,671	\$15,109,033	\$12,215,370	\$31,517,075
2007	\$4,728,923	\$6,531,971	\$8,851,525	\$20,112,418
2008	\$7,319,611	\$16,158,998	\$16,385,073	\$39,863,682
2009	\$4,032,749	\$12,746,563	\$12,255,256	\$29,034,568
2010	\$7,215,190	\$17,451,677	\$15,728,240	\$40,395,107
2011	\$9,109,654	\$15,430,492	\$20,391,332	\$44,931,479
2012	\$8,113,226	\$34,363,203	\$28,453,598	\$70,930,027
2013	\$13,266,168	\$24,834,517	\$19,221,485	\$57,322,170
2014	\$8,786,771	\$12,912,970	\$17,772,977	\$39,472,718
2015	\$6,129,287	\$18,417,784	\$14,467,067	\$39,014,139
2016	\$5,393,732	\$13,811,715	\$14,816,637	\$34,022,085
2017	\$7,418,370	\$23,063,590	\$25,187,755	\$55,669,715
2018	\$10,187,134	\$36,687,978	\$21,892,643	\$68,767,755
2019	\$6,834,696	\$17,869,436	\$11,982,336	\$36,686,468
2020	\$3,115,845	\$8,400,657	\$4,967,221	\$16,483,724
2021	\$8,911,792	\$12,670,129	\$9,740,663	\$31,322,585
Total Value	\$180,182,912	\$434,963,141	\$333,943,309	\$949,089,361
Average Value	\$4,869,808	\$11,755,761	\$9,025,495	\$25,651,064
All Year Percent	19%	46%	35%	100%
Target	27-32%	44-49%	24-29%	

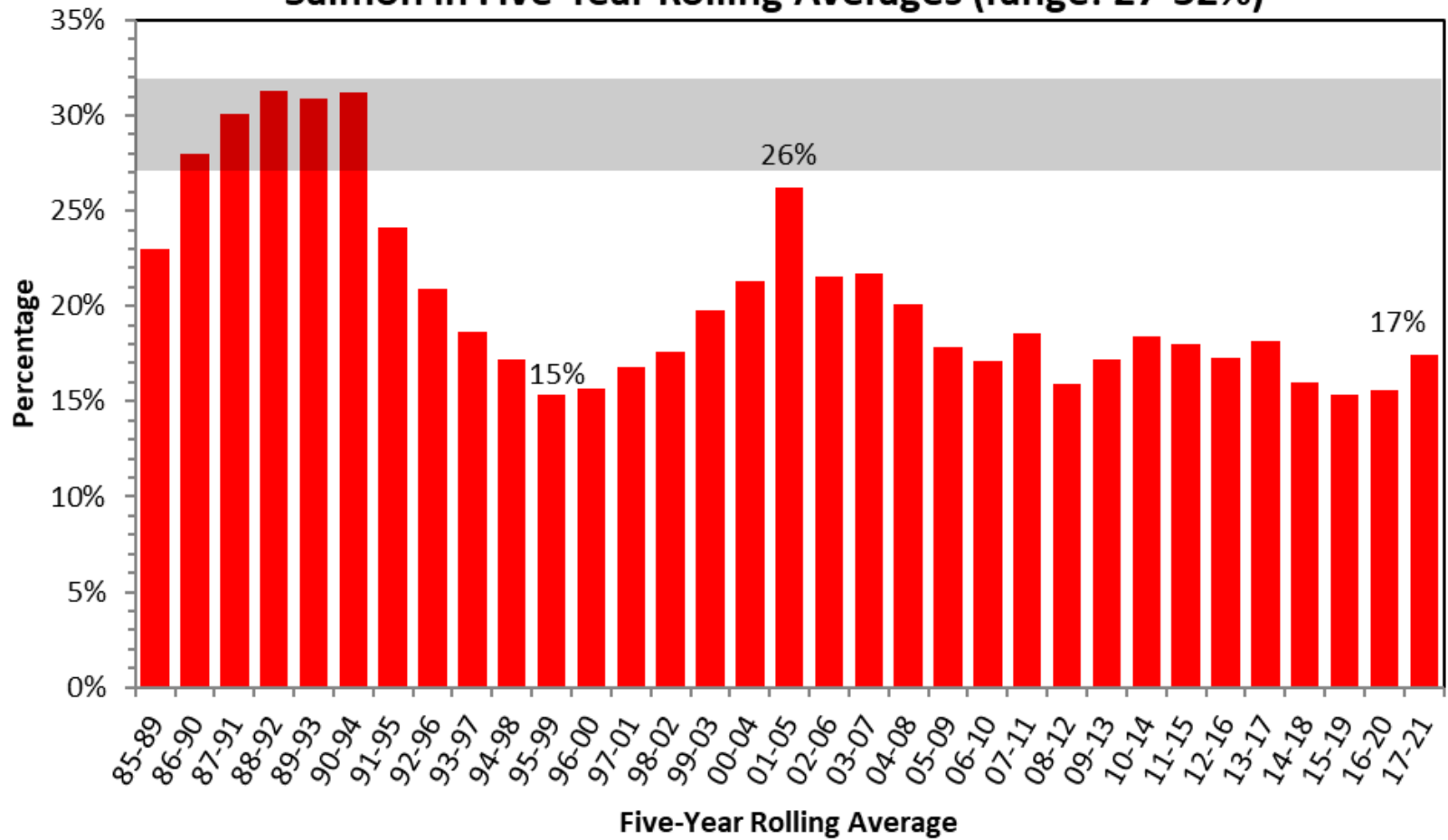
Annual Troll Allocation of Enhanced Salmon (defined range 27-32%)



Preliminary 2021 estimate of value: 28%

Final 2020 estimate of value: 19%

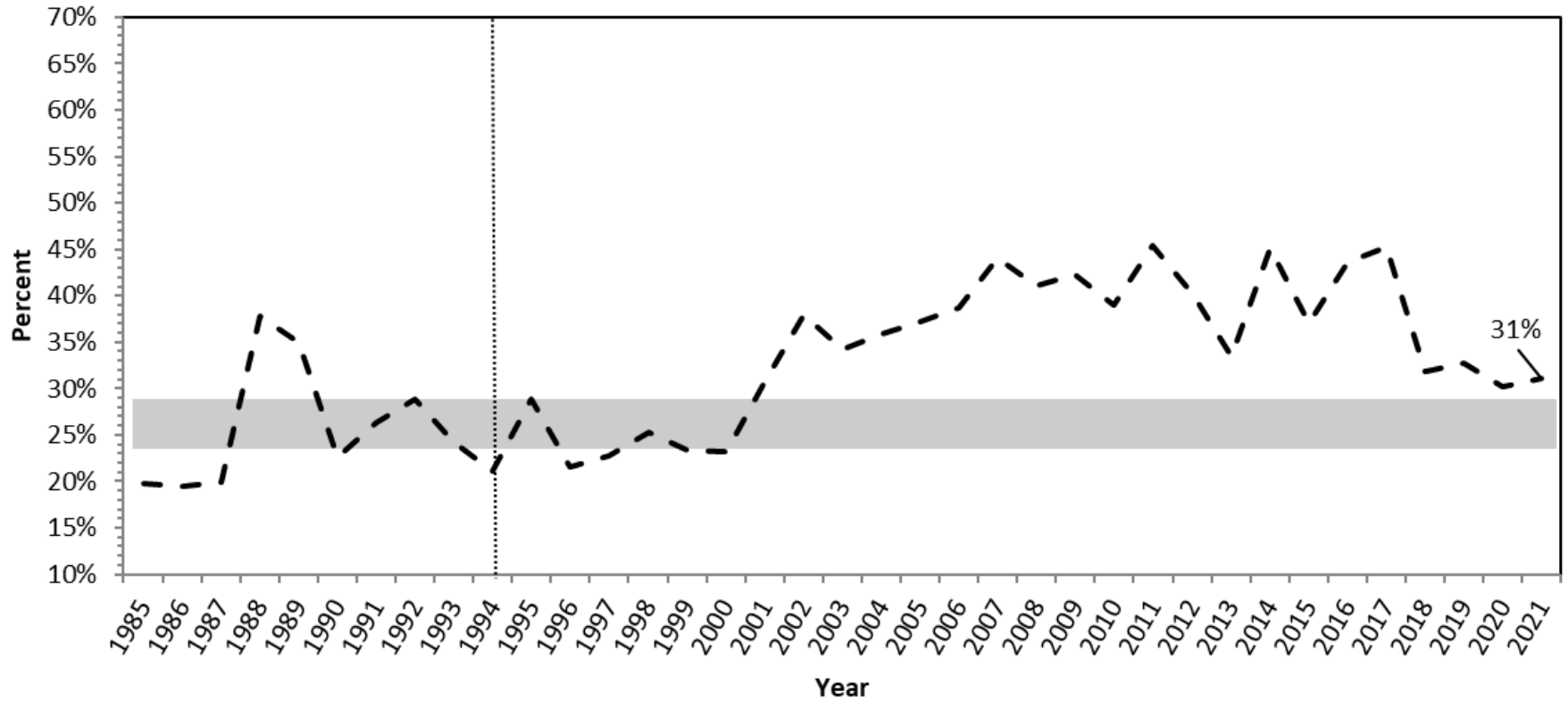
Troll Harvest Value of Southeast Alaska Hatchery-Produced Salmon in Five-Year Rolling Averages (range: 27-32%)



Preliminary (2017–2021) five-year rolling average: 17%

Final (2016–2020) five-year rolling average: 16%

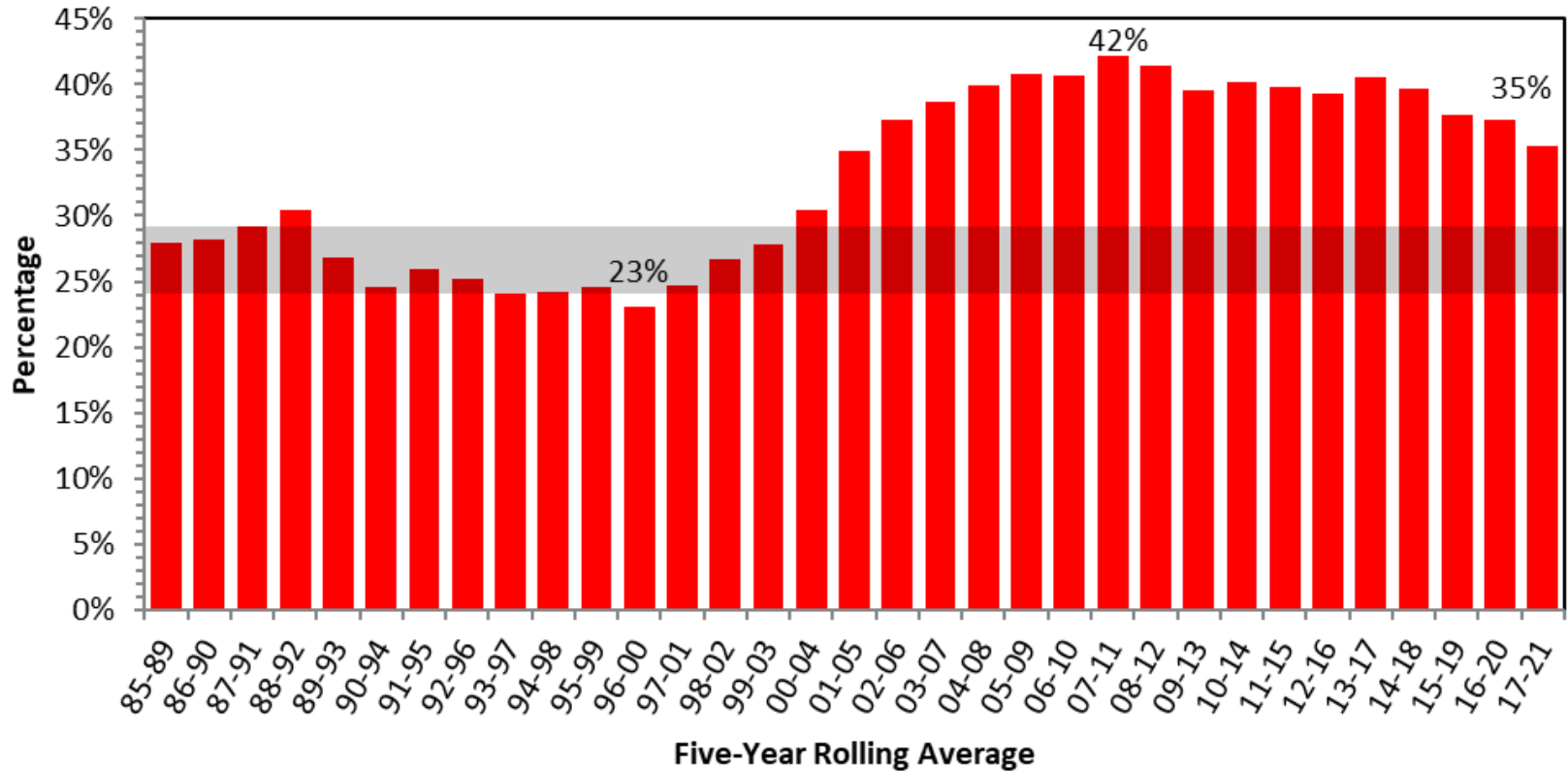
Annual Gillnet Allocation of Enhanced Salmon (defined range 24-29%)



Preliminary 2021 estimate of value: 31%

Final 2020 estimate of value: 30%

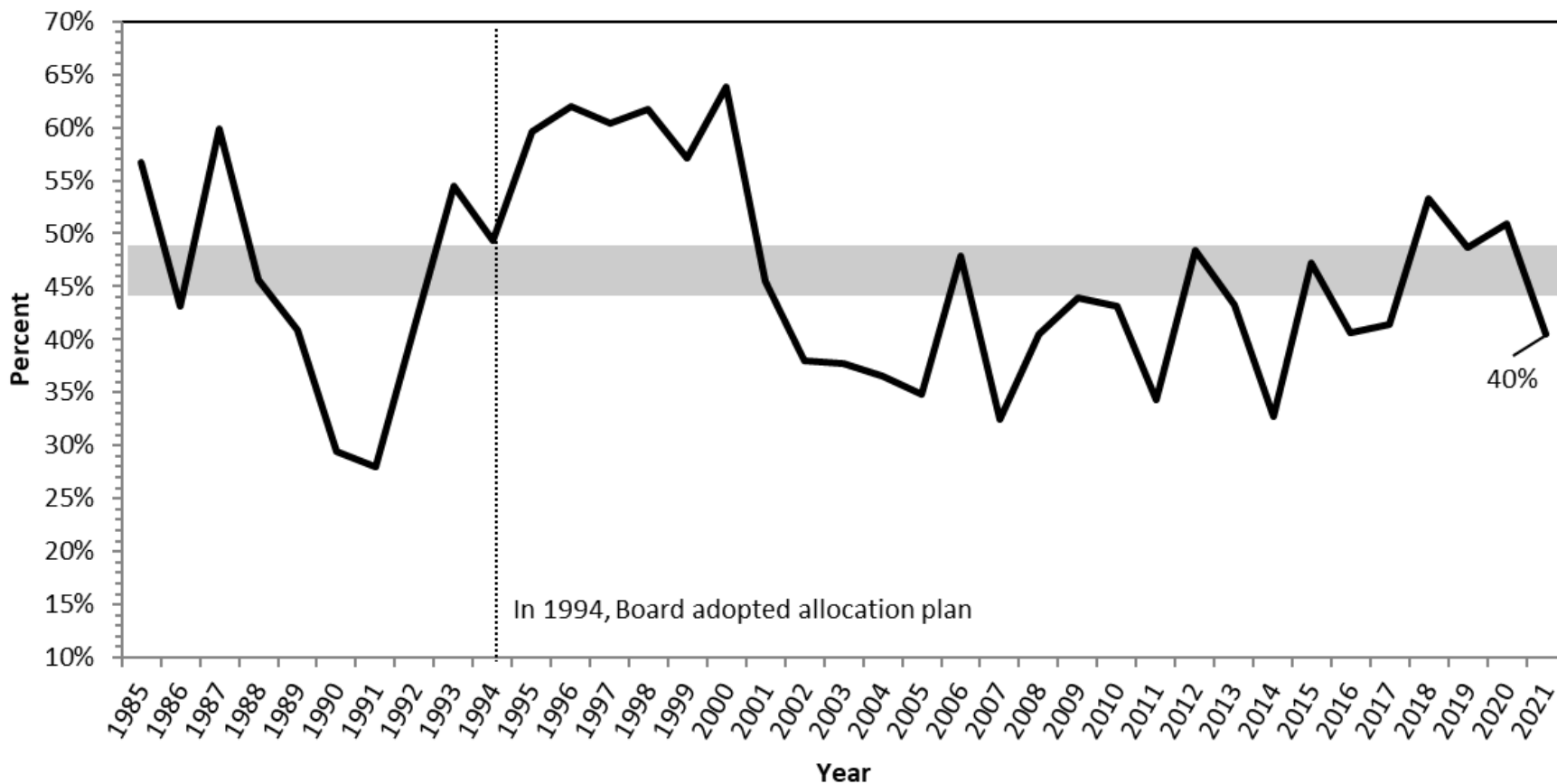
Drift Gillnet Value of Southeast Alaska Hatchery-Produced Salmon in Five-Year Rolling Averages (range: 24-29%)



Preliminary (2017-2021) five-year rolling average: 35%

Final (2016-2020) five-year rolling average: 37%

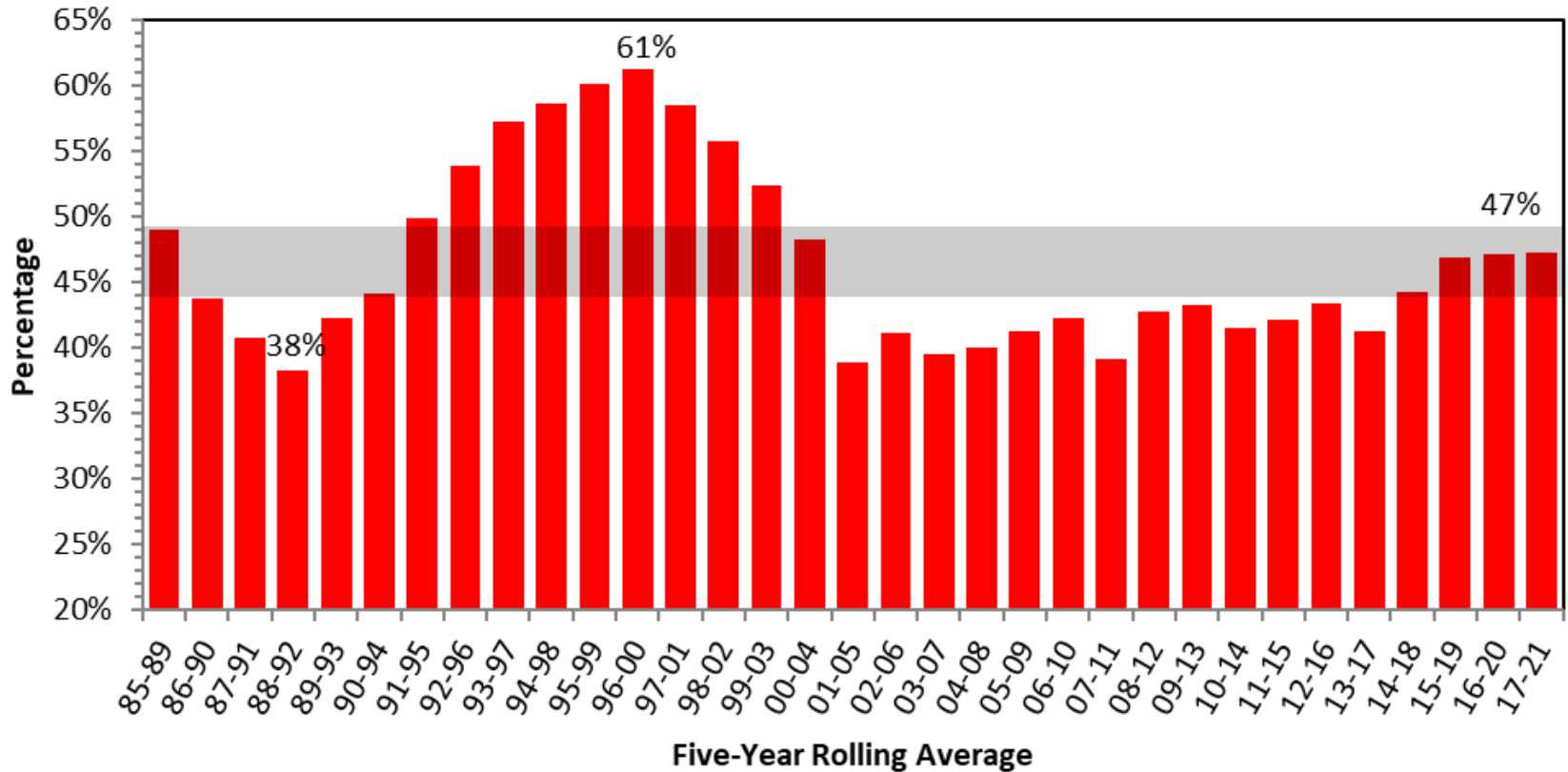
Annual Seine Allocation of Enhanced Salmon (defined range 44-49%)



Preliminary 2021 estimation of value: 40%

Final 2020 estimation of value: 51%

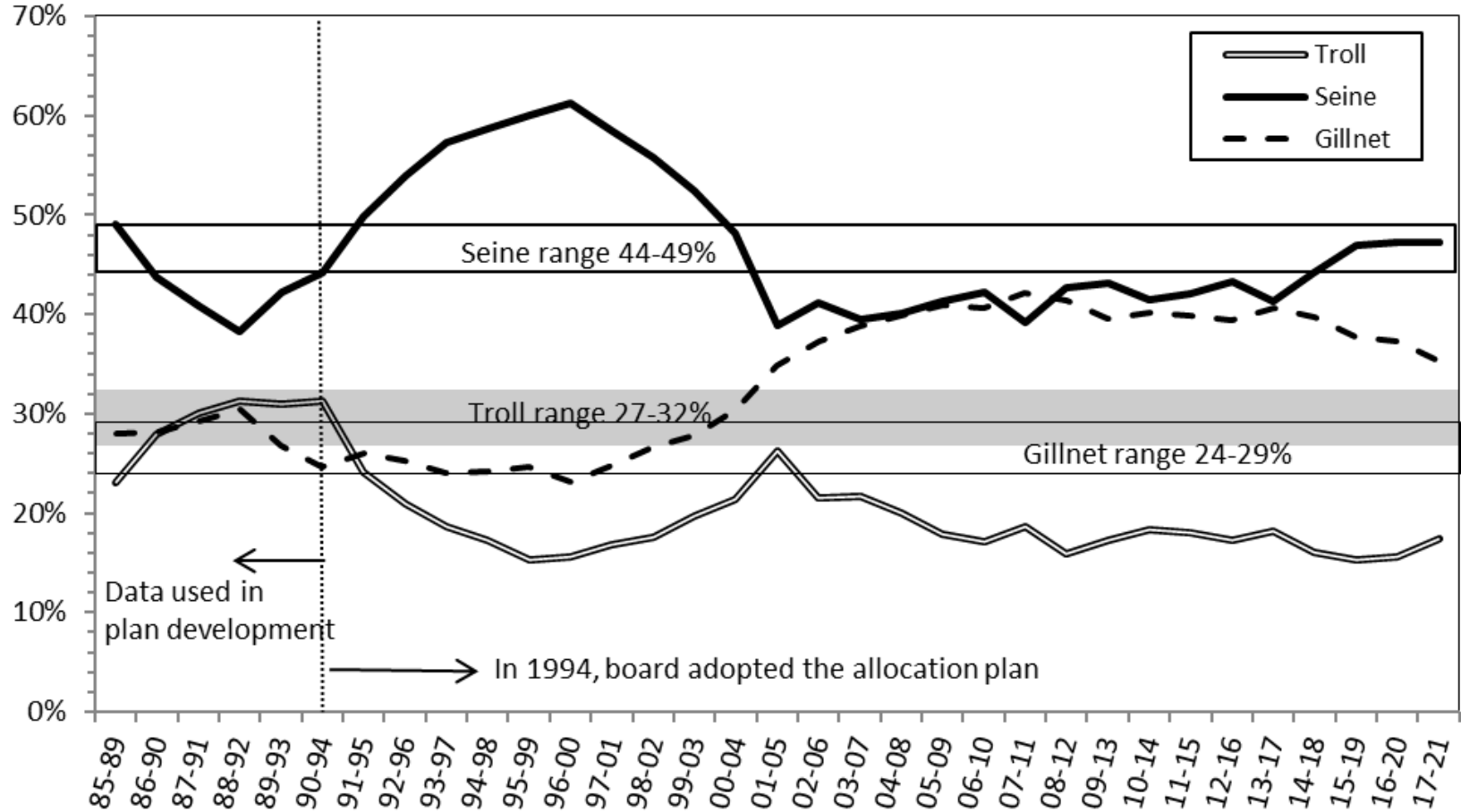
Seine Harvest Value of Southeast Alaska Hatchery-Produced Salmon in Five-Year Rolling Averages (range: 44-49%)



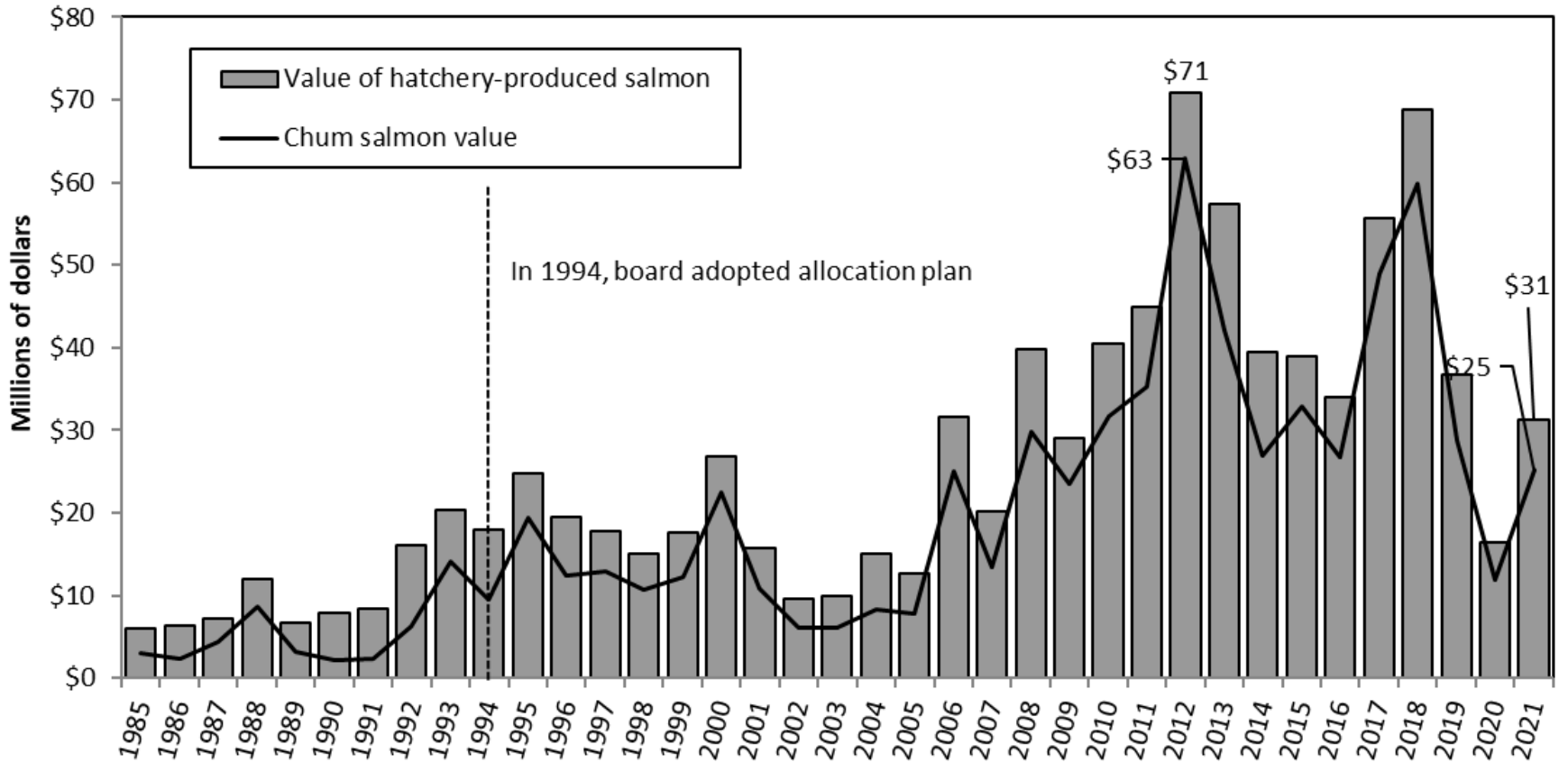
Preliminary (2017-2021) five-year rolling average: 47%

Final (2016-2020) five-year rolling average: 47%

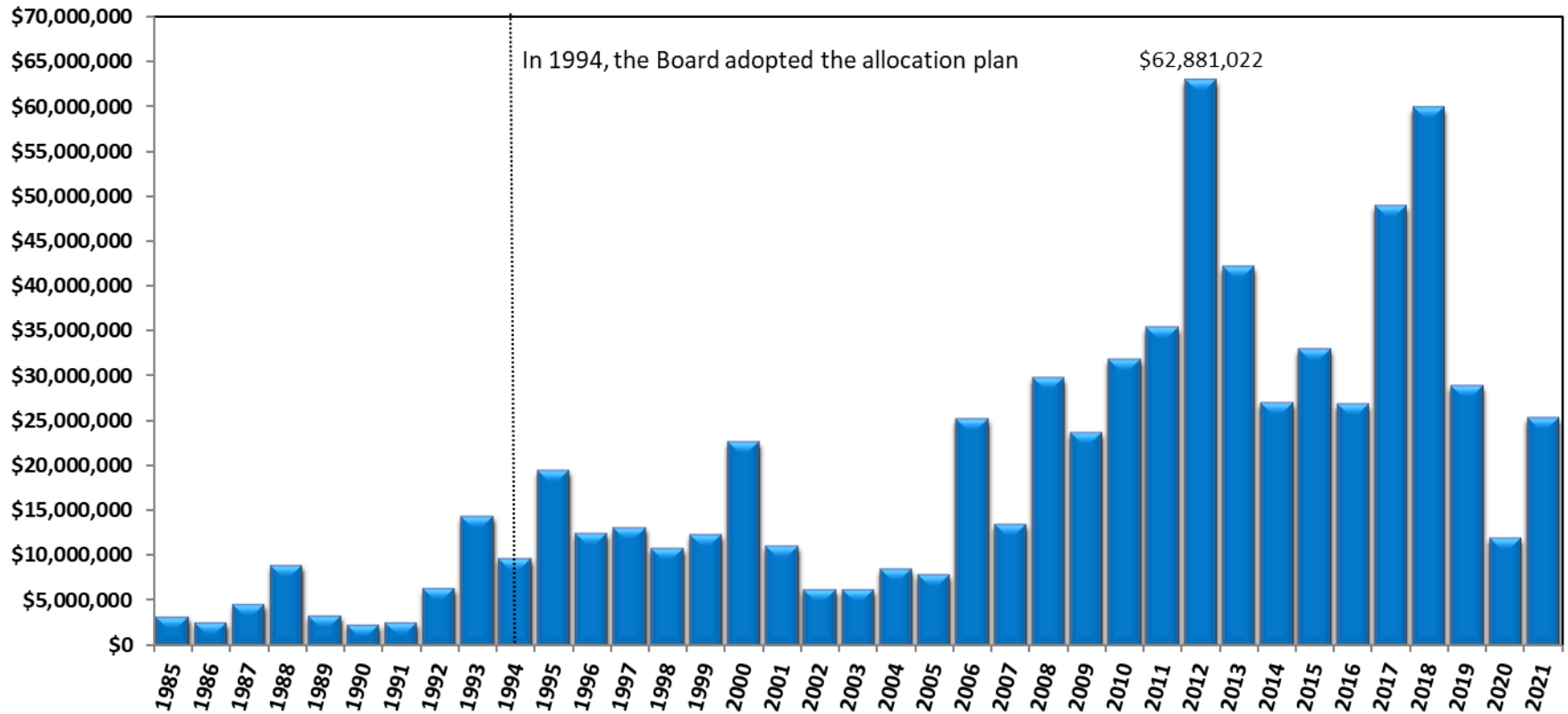
Percent of Southeast Alaska Hatchery-Produced Salmon Harvest Value by Gear Group in Five-Year Rolling Averages



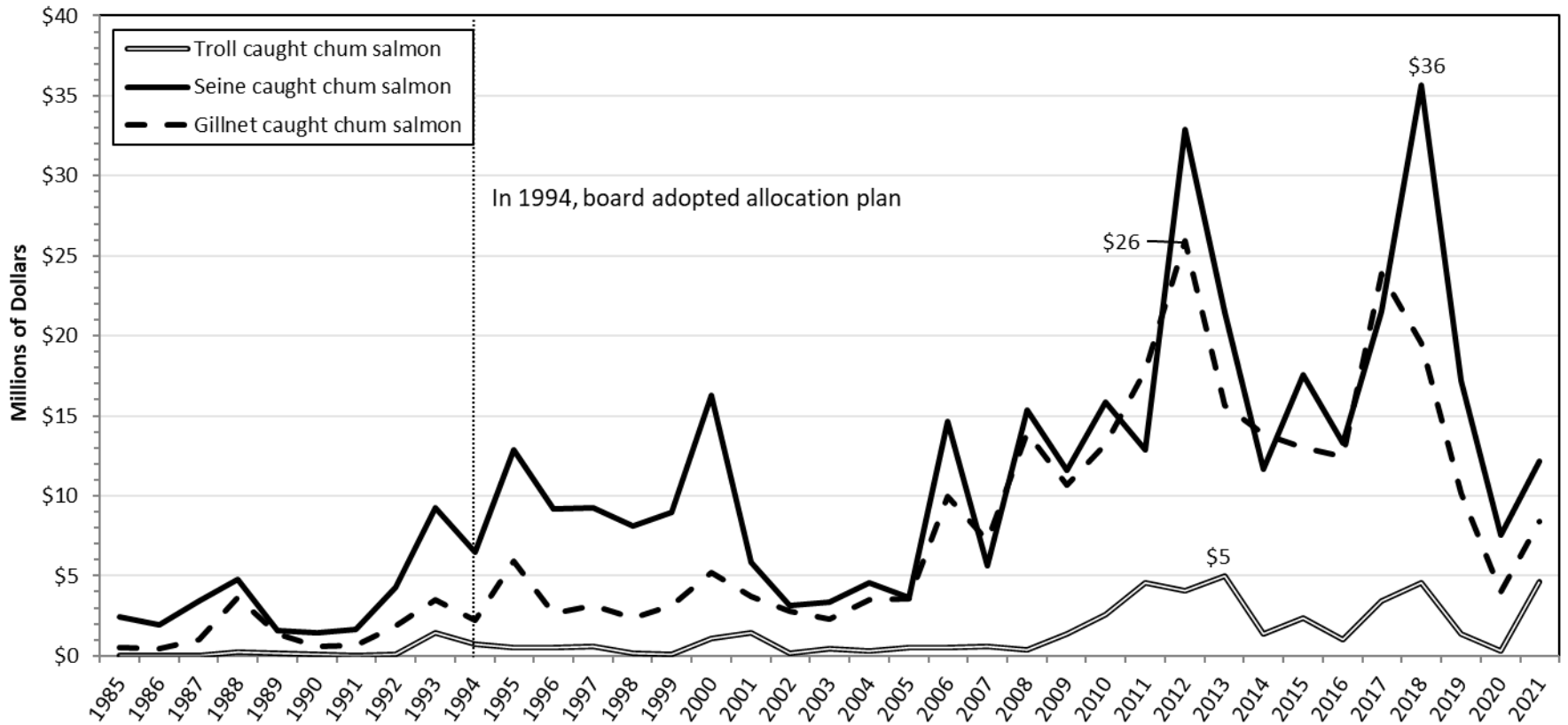
Value of Hatchery-Produced Salmon Harvest in Southeast



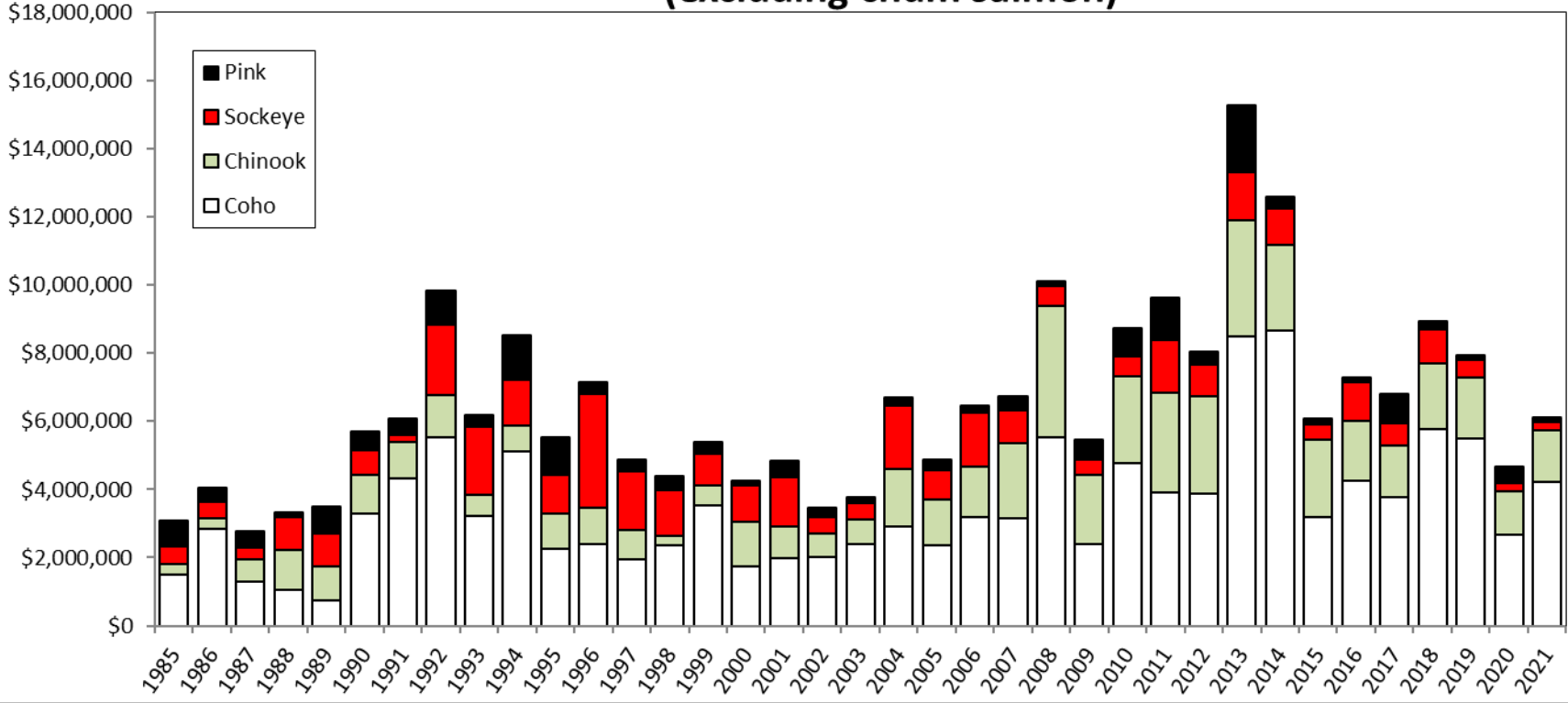
Value of Southeast Hatchery-Produced Chum Salmon



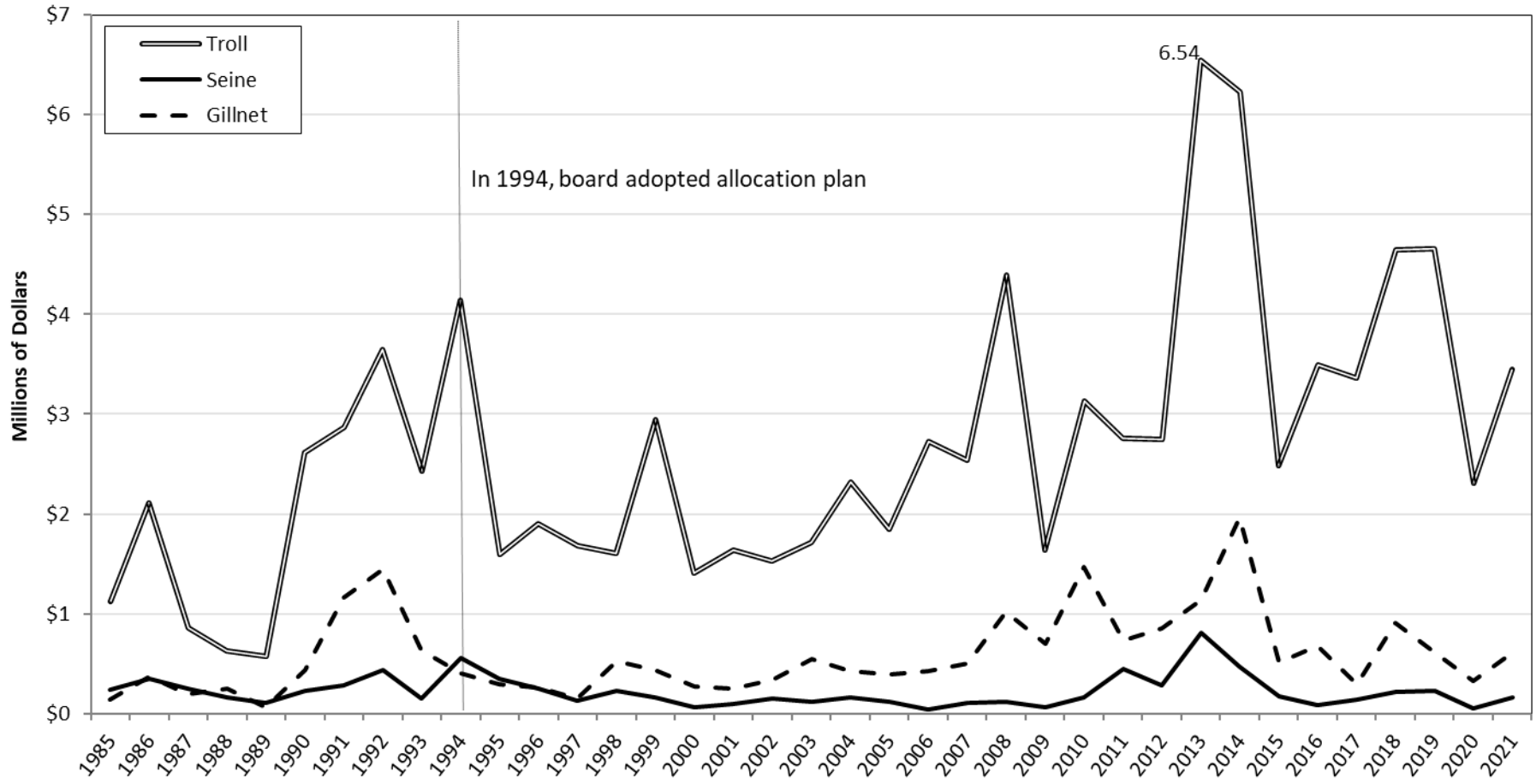
Hatchery-Produced Chum Salmon Harvest Value by Gear Group



Value of SE Hatchery-Produced Salmon by Species (excluding chum salmon)



Hatchery-Produced Coho Salmon Harvest Value by Gear Group



Hatchery-Produced King Salmon Harvest Value by Gear Group

