

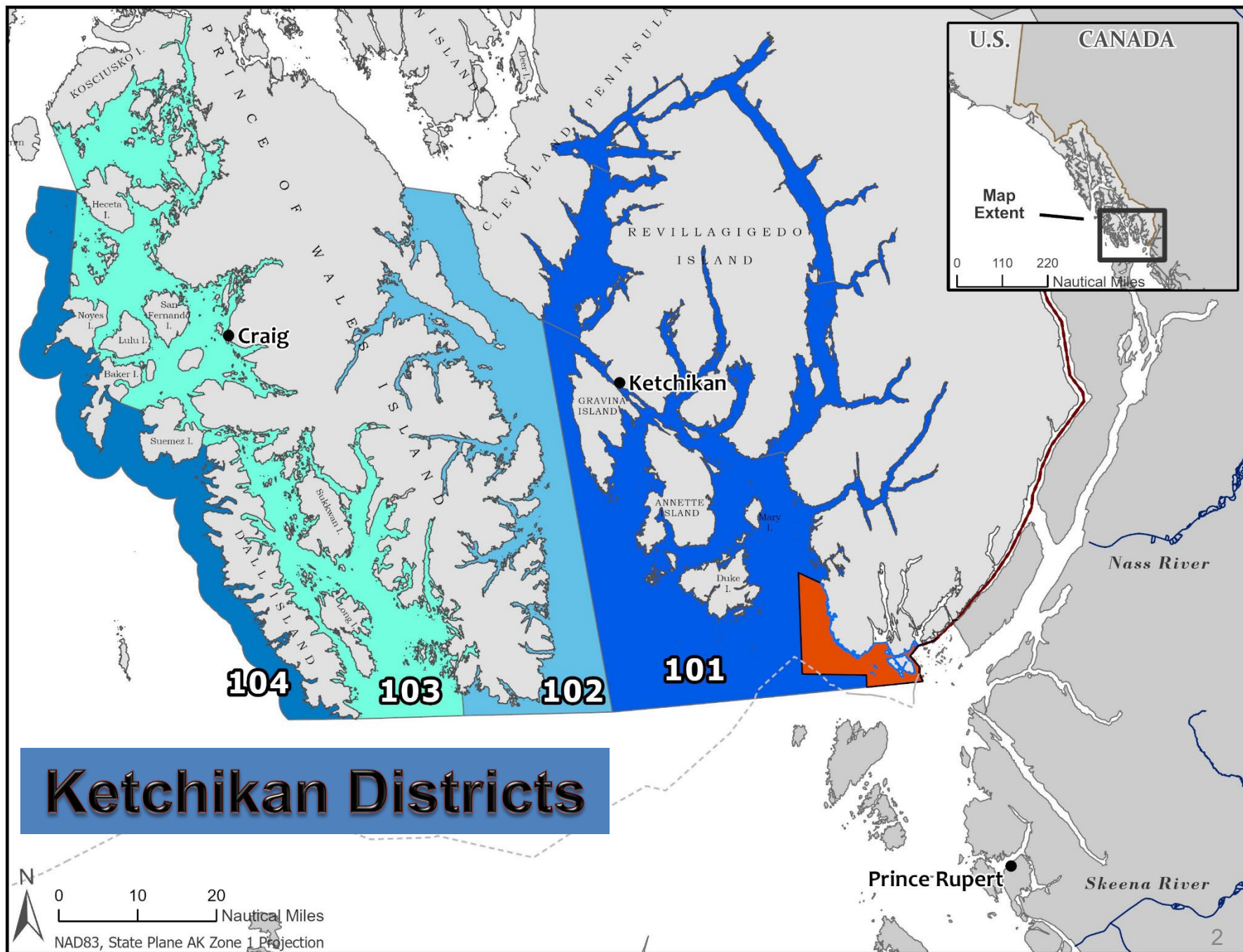
# 2024 Post Season Review

## Ketchikan Management Area

Purse Seine  
Districts 1-4



Bo Meredith  
Area Management Biologist  
Commercial Fisheries - Ketchikan



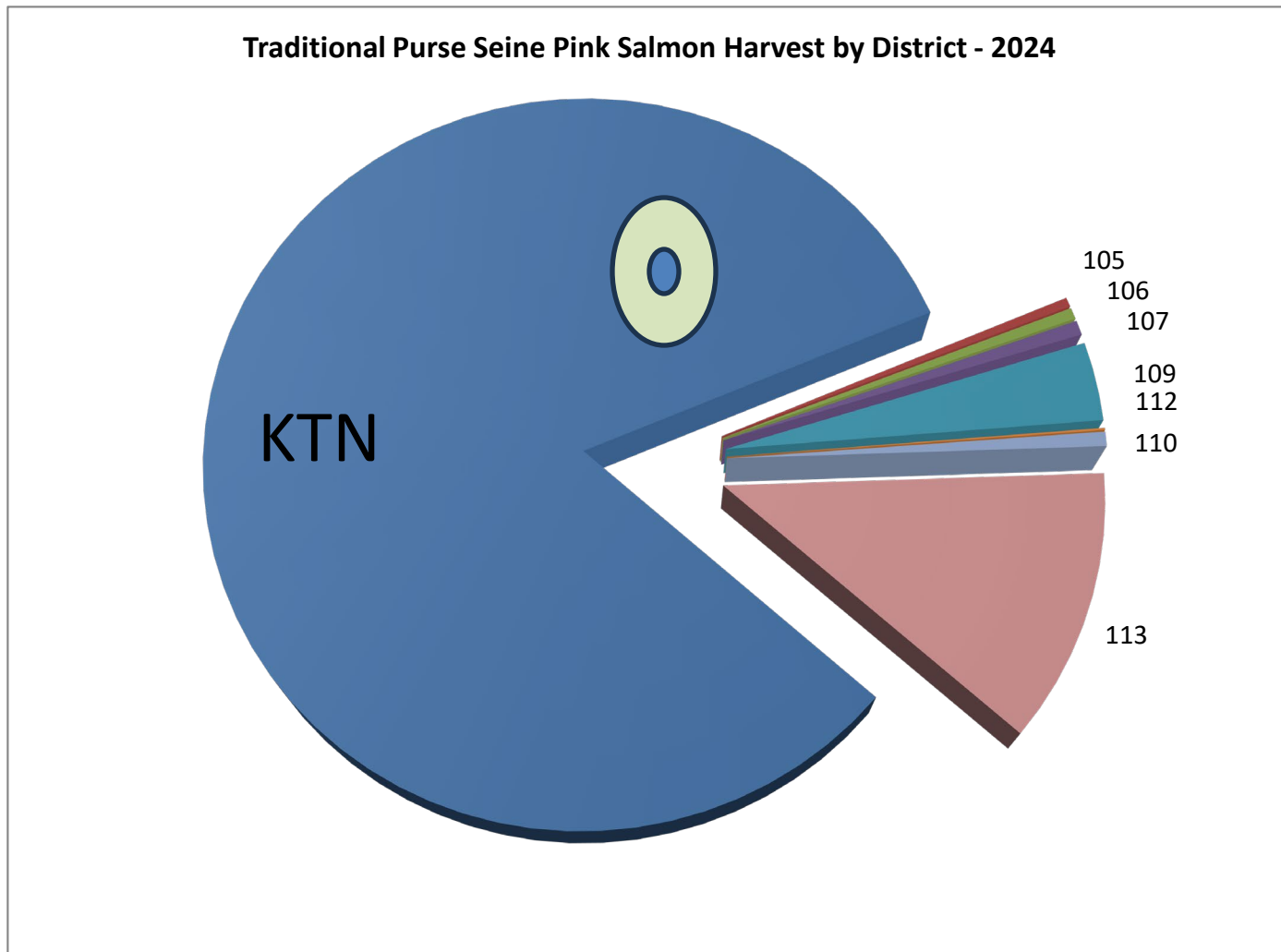
# Purse Seine Harvest – Southeast Traditional Harvest Only – no THA's

| District     | Chinook      | Sockeye        | Coho           | Pink              | Chum             | Total             | Number of Permits |
|--------------|--------------|----------------|----------------|-------------------|------------------|-------------------|-------------------|
| 101          | 50           | 74,807         | 43,119         | 5,979,724         | 658,211          | 6,755,911         | 121               |
| 102          | 17           | 32,565         | 14,761         | 1,228,218         | 393,921          | 1,669,482         | 87                |
| 103          | 324          | 15,356         | 34,939         | 3,132,325         | 90,647           | 3,273,591         | 76                |
| 104          | 7,624        | 142,129        | 72,860         | 4,554,108         | 300,219          | 5,076,940         | 85                |
| 105          |              | 566            | 351            | 74,438            | 3,119            | 78,474            | 8                 |
| 106          | 3            | 815            | 498            | 90,323            | 4,701            | 96,340            | 11                |
| 107          | 5            | 2,040          | 882            | 115,294           | 22,180           | 140,401           | 21                |
| 109          | 187          | 4,764          | 8,196          | 628,728           | 29,071           | 670,946           | 29                |
| 110          | 1            | 1,609          | 266            | 17,212            | 12,810           | 31,898            | 6                 |
| 112          | 12           | 6,494          | 1,602          | 115,145           | 78,205           | 201,458           | 20                |
| 113          | 286          | 112,396        | 11,979         | 2,156,963         | 976,486          | 3,258,110         | 94                |
| <b>Total</b> | <b>8,509</b> | <b>393,541</b> | <b>189,453</b> | <b>18,092,478</b> | <b>2,569,570</b> | <b>21,253,551</b> | <b>196</b>        |

Total boats Ketchikan = 175

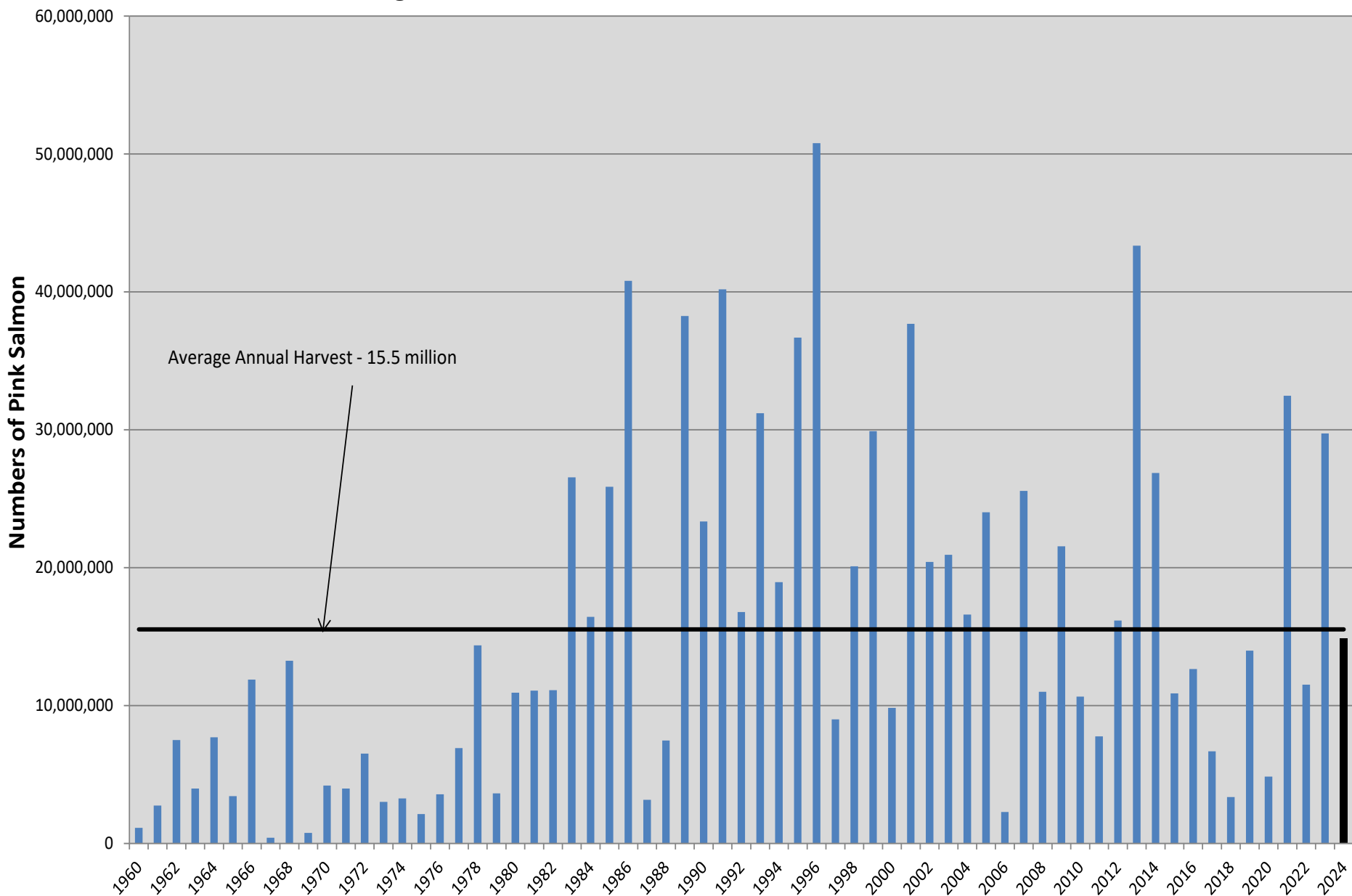
Total boats all Southeast = 196

# Southeast Alaska Purse Seine Traditional Pink Salmon Harvest by District - 2024

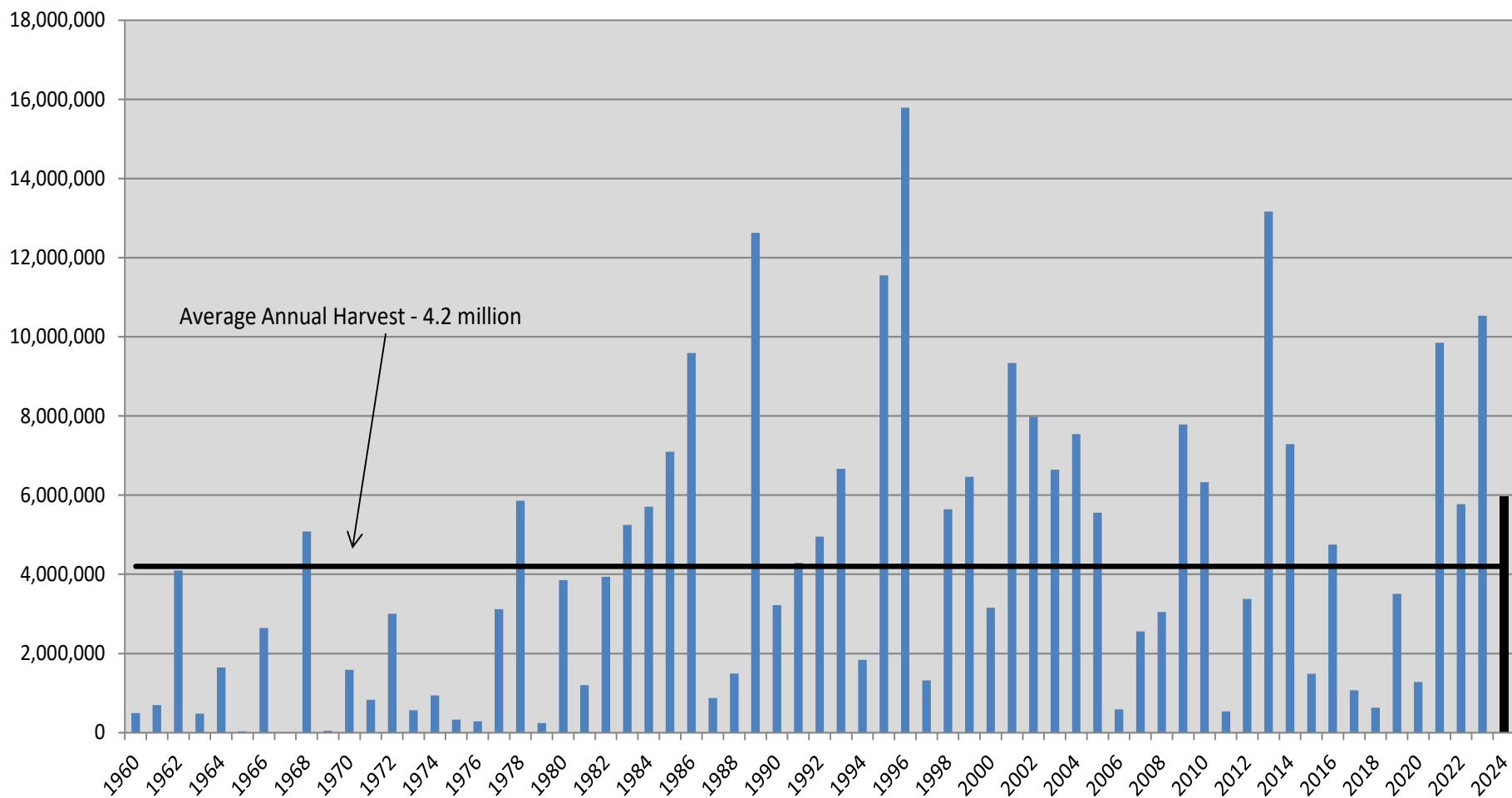




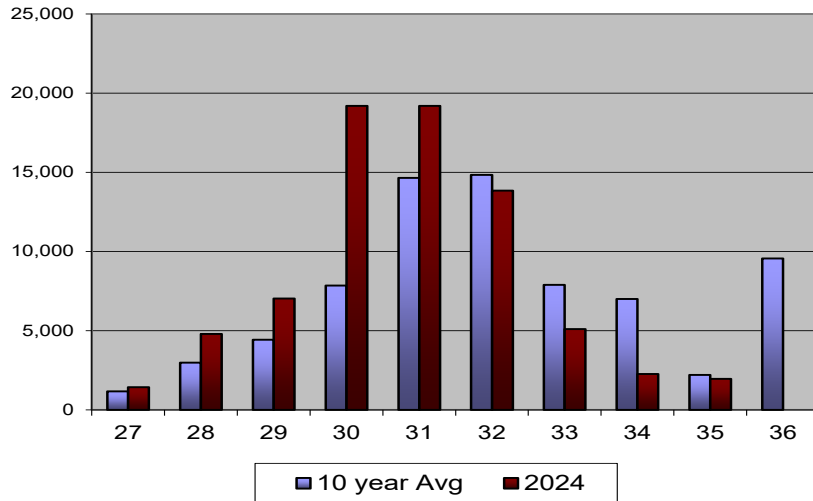
# Ketchikan Management Area Traditional Purse Seine Pink Salmon Harvest 1960-2024



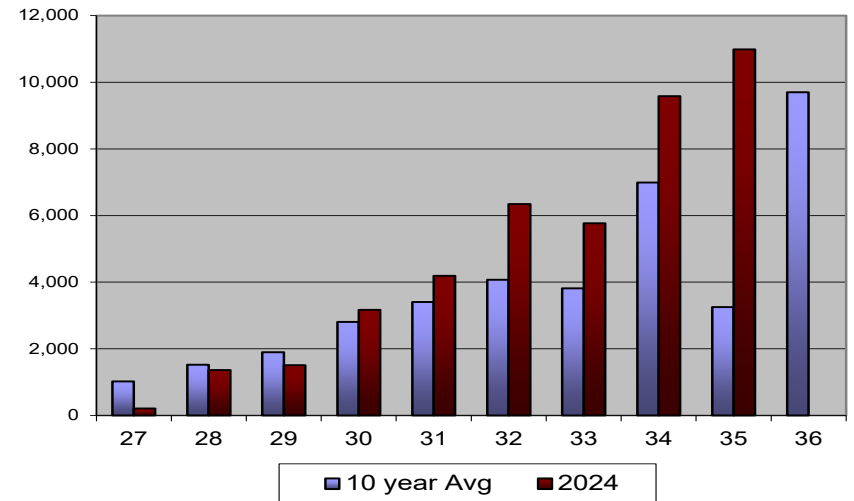
## District 1 Traditional Purse Seine Pink Salmon Harvest 1960-2024



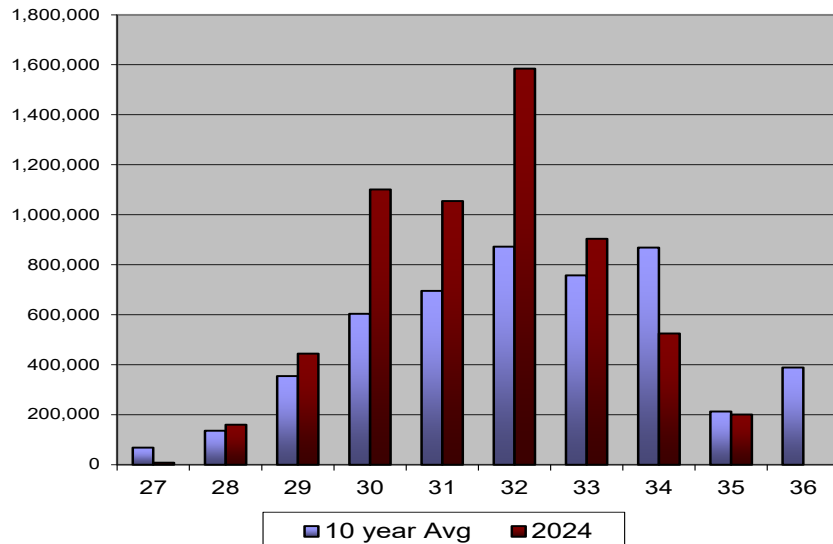
**District 1 Purse Seine Weekly Harvest  
10 year avg vs 2024 - sockeye**



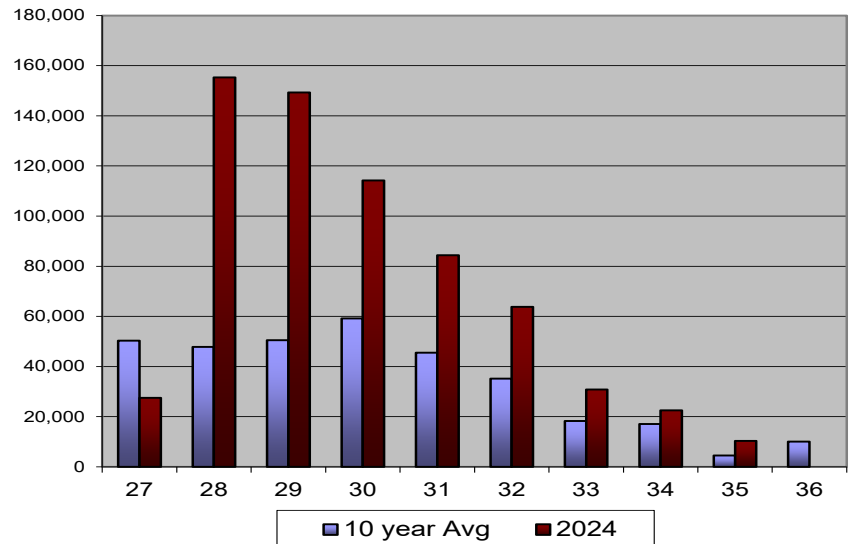
**District 1 Purse Seine Weekly Harvest  
10 year avg vs 2024 - coho**



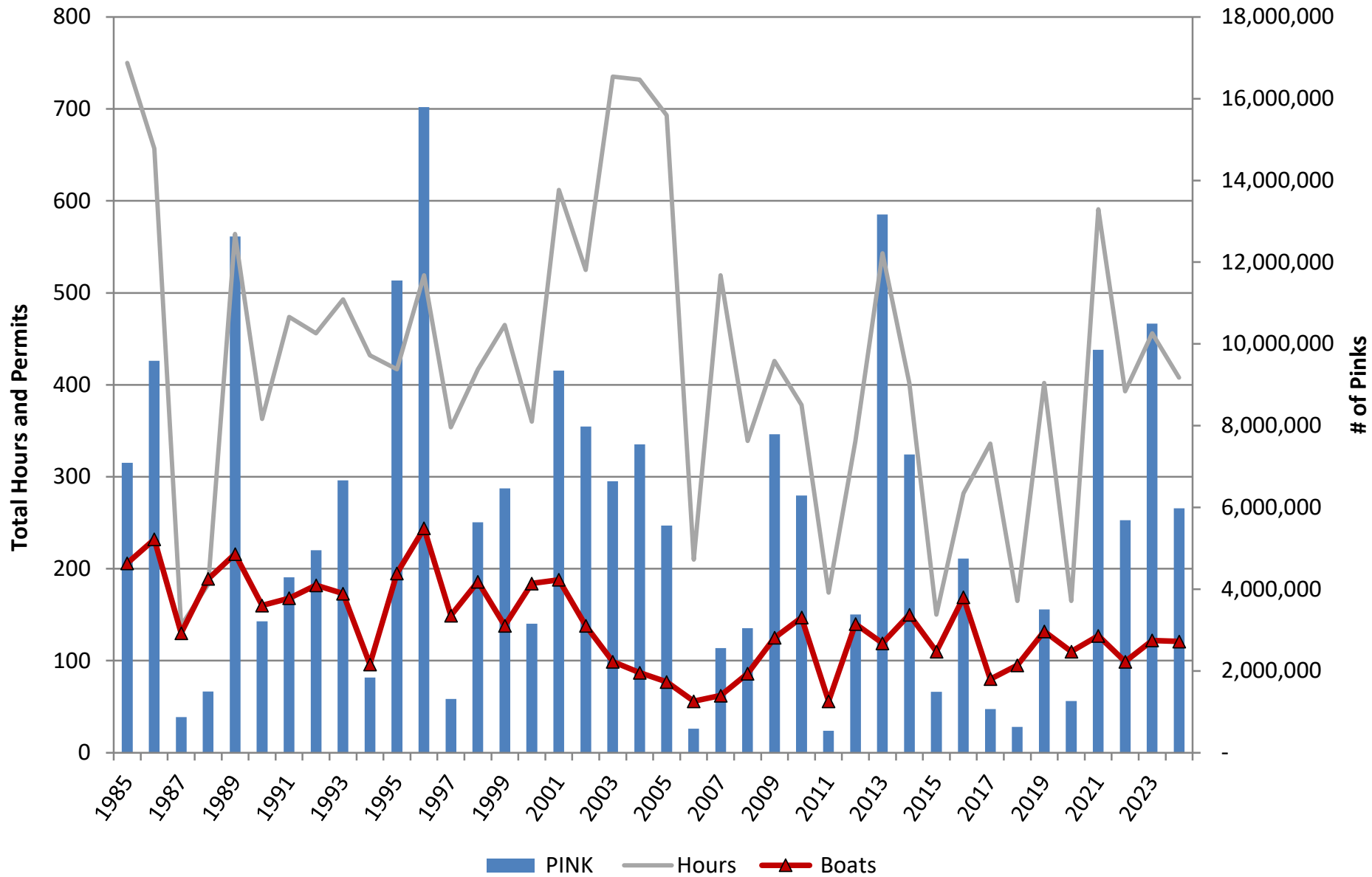
**District 1 Purse Seine Weekly Harvest  
10 year avg vs 2024 - pink**



**District 1 Purse Seine Weekly Harvest  
10 year avg vs 2024 - chum**

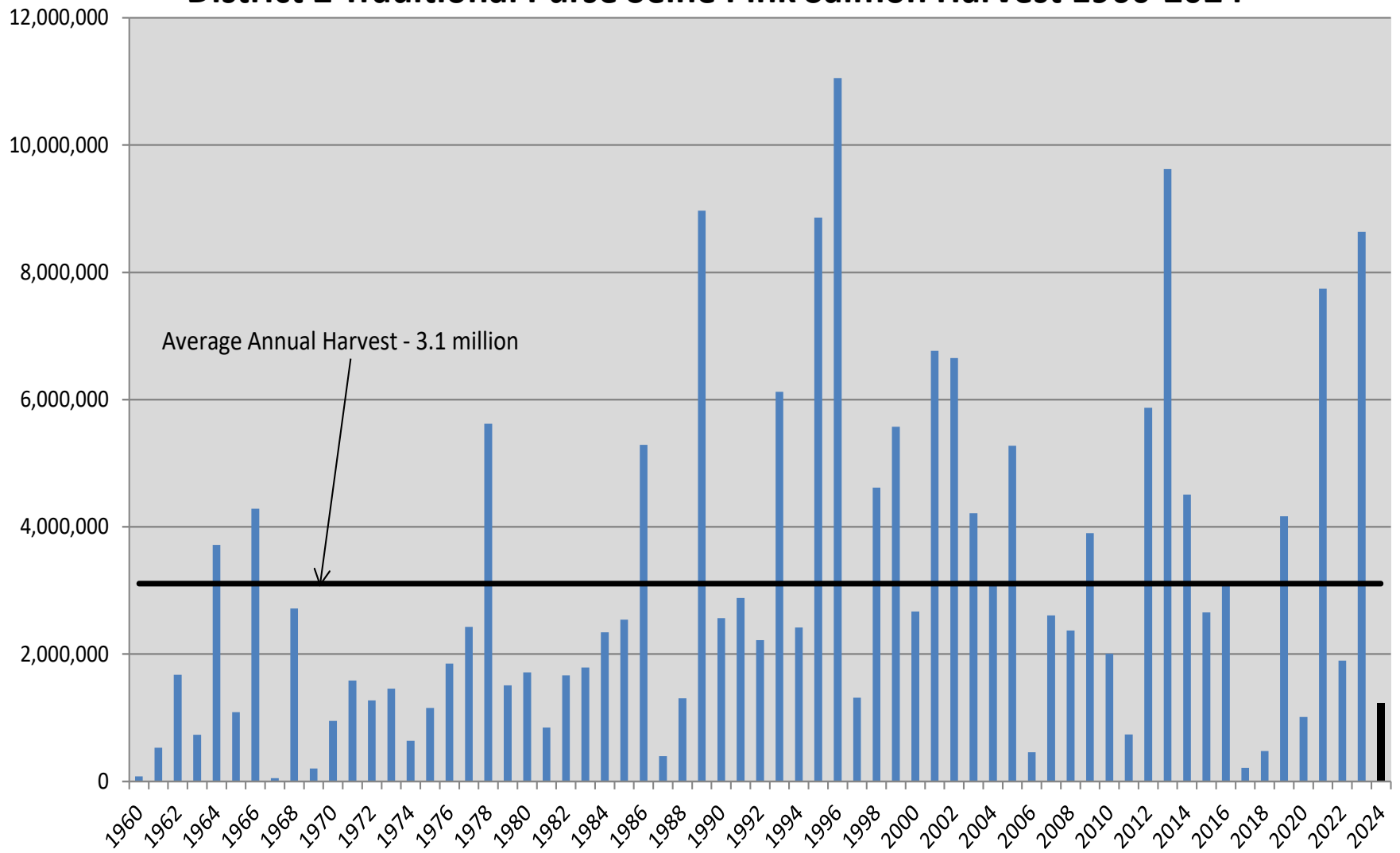


# District 1 Purse Seine Effort and Hours with Pink Harvest

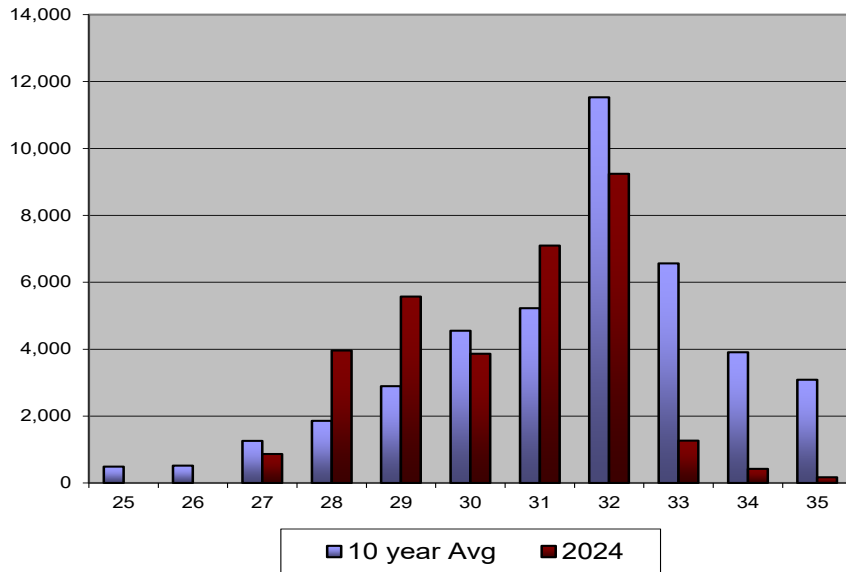




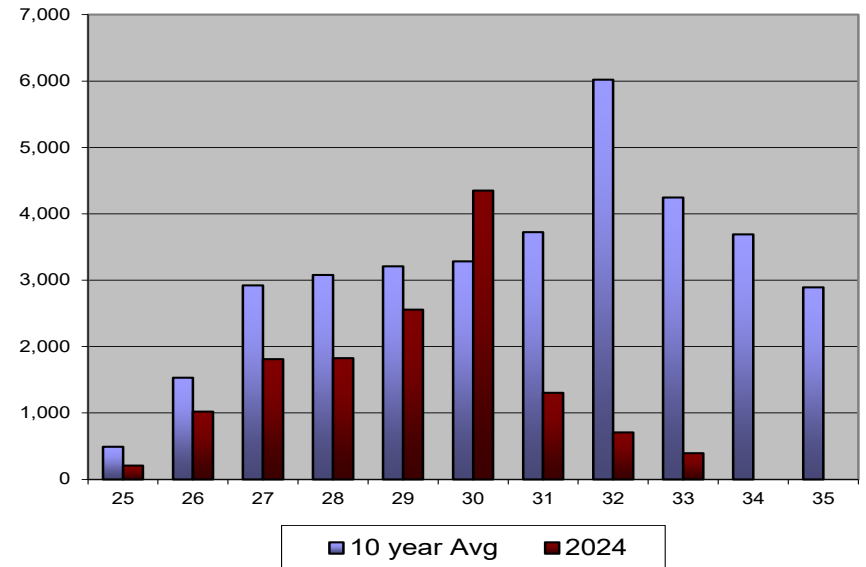
## District 2 Traditional Purse Seine Pink Salmon Harvest 1960-2024



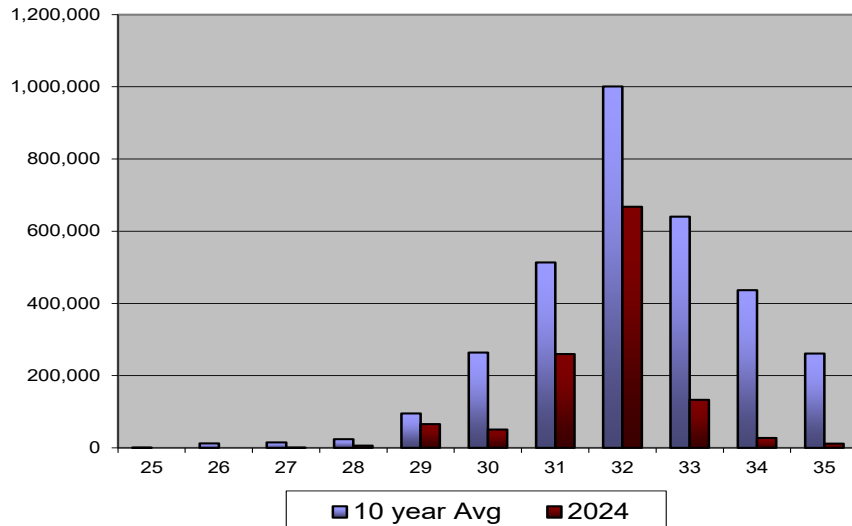
**District 2 Purse Seine Weekly Harvest  
10 year avg vs 2024 -sockeye**



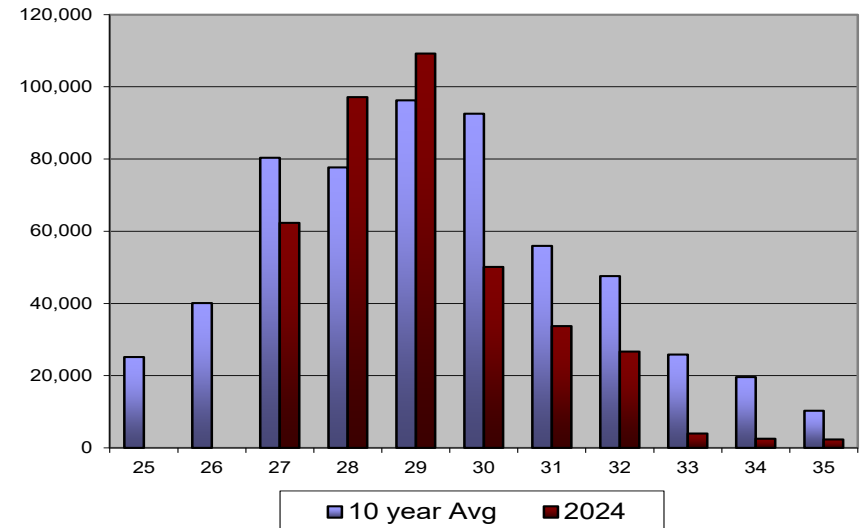
**District 2 Purse Seine Weekly Harvest  
10 year avg vs 2024 -coho**



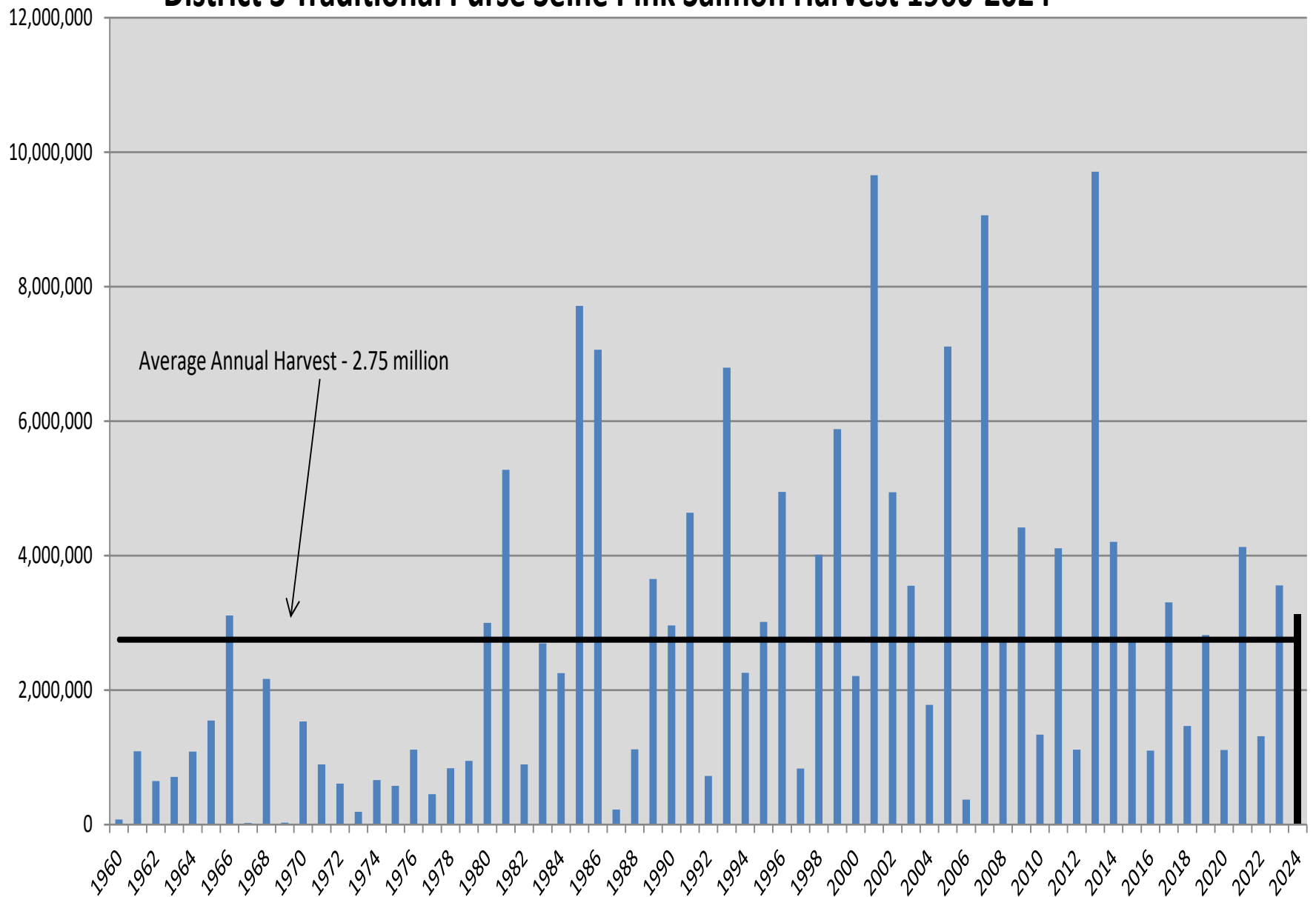
**District 2 Purse Seine Weekly Harvest  
10 year avg vs 2024 -pink**



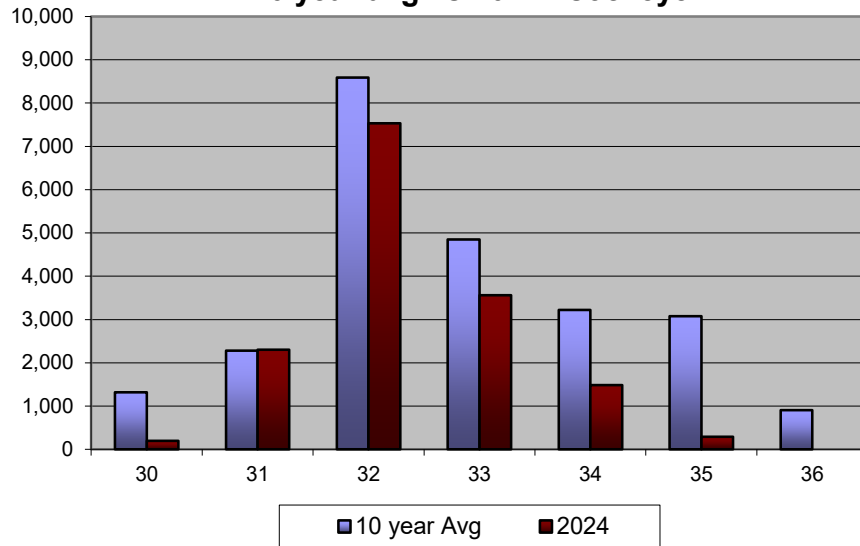
**District 2 Purse Seine Weekly Harvest  
10 year avg vs 2024 -chum**



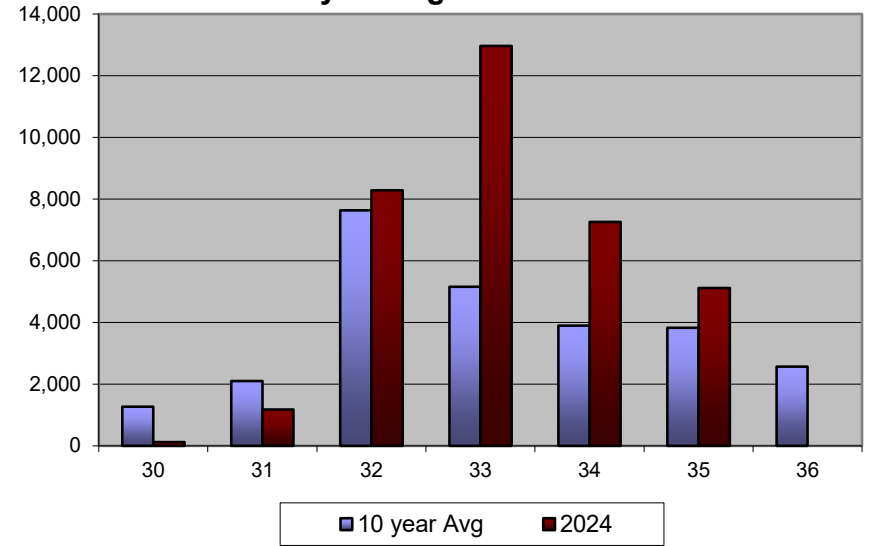
# District 3 Traditional Purse Seine Pink Salmon Harvest 1960-2024



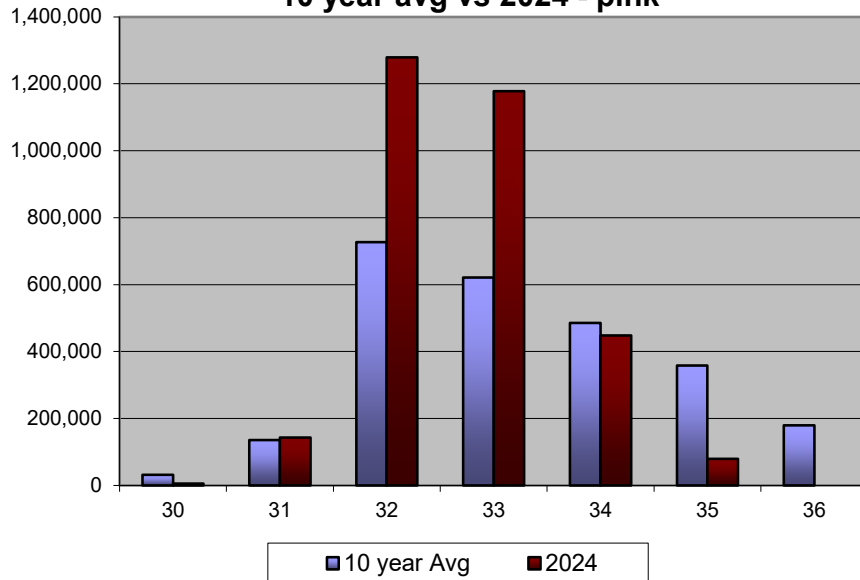
**District 3 Purse Seine Weekly Harvest  
10 year avg vs 2024 - sockeye**



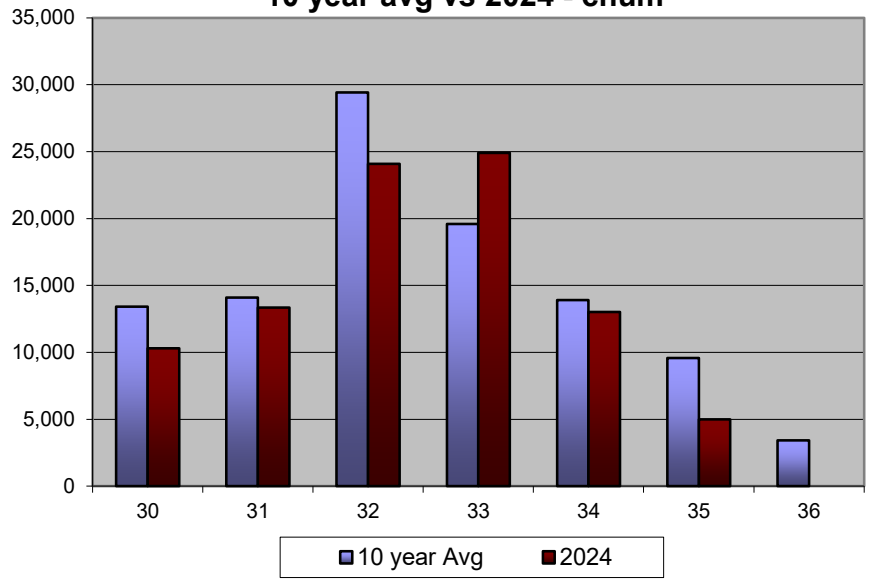
**District 3 Purse Seine Weekly Harvest  
10 year avg vs 2024 - coho**



**District 3 Purse Seine Weekly Harvest  
10 year avg vs 2024 - pink**



**District 3 Purse Seine Weekly Harvest  
10 year avg vs 2024 - chum**



## District 104 PSC Treaty Update

The District 4 Purse Seine fishery is managed prior to statistical week 31 (treaty period) to achieve 2.45% of the Annual Allowable Harvest (AAH) of the combined Nass/Skeena sockeye run in that year.

- The AAH is calculated as the combined total run of adult Nass and Skeena sockeye salmon in that year minus the combined Nass and Skeena escapement target of 1.1 million fish or the actual in-river escapement; whichever is less.
- The total run calculation includes the catch of Nass and Skeena sockeye in the boundary area fisheries and the escapement to the Nass and Skeena rivers. The cumulative catch includes sockeye salmon in the Alaskan Districts of 101-108 net fisheries, including Annette Island, and Canadian areas 1, 3, 4 and 5 net fisheries plus Canadian in-river fisheries.

For 2024:

- Skeena preseason forecast of 1.54M
- Nass preseason forecast of 469K
- Combined preseason forecast of 2.01 million
  - Estimated Treaty AAH of 22.3K Nass/Skeena sockeye
- Postseason AAH:
  - Skeena/Nass TR of 3.45M
  - Preliminary postseason AAH of 57.5K Nass/Skeena sockeye

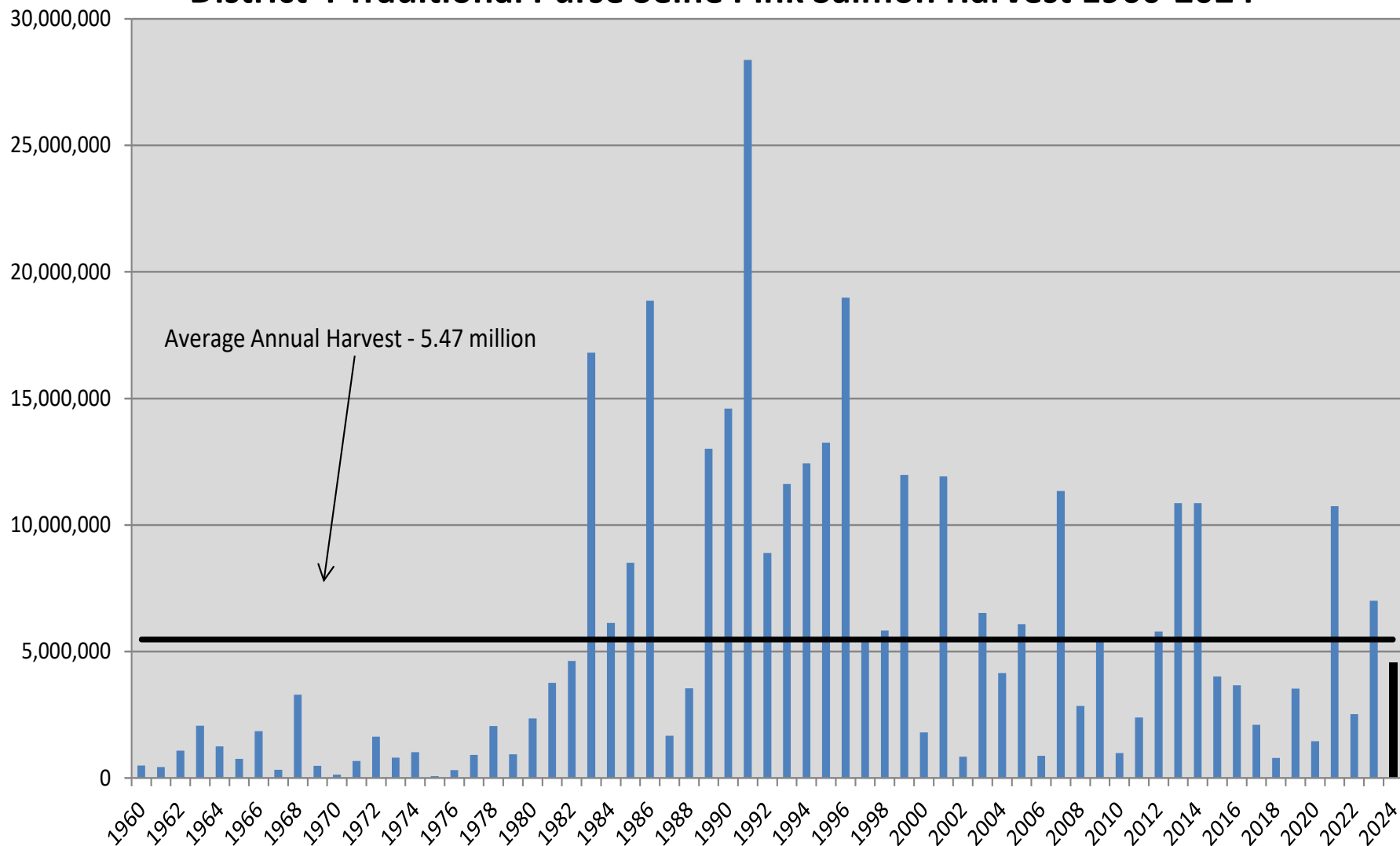
# 2024 District 104 Purse Seine – Harvest by Opening

|                  | Opening      | Chinook      | Sockeye        | Coho          | Pink             | Chum           | Boats     | Hours      |
|------------------|--------------|--------------|----------------|---------------|------------------|----------------|-----------|------------|
| Treaty<br>Period | 29           |              | 2,124          | 2,003         | 17,560           | 8,734          | 13        | 12         |
|                  | 29B          | 4            | 8,145          | 10,919        | 81,782           | 16,101         | 16        | 15         |
|                  | 30           | 9            | 26,505         | 9,634         | 286,861          | 35,675         | 25        | 15         |
|                  | 30B          | 1,082        | 9,962          | 4,778         | 207,069          | 23,077         | 50        | 10         |
|                  | 31           | 75           | 24,874         | 8,354         | 819,436          | 42,724         | 44        | 15         |
|                  | 31B          | 2,510        | 29,568         | 8,754         | 1,126,215        | 53,260         | 74        | 15         |
|                  | 32           | 2,210        | 17,167         | 7,948         | 765,685          | 35,414         | 49        | 39         |
|                  | 32B          | 13           | 13,837         | 9,655         | 657,489          | 63,473         | 42        | 39         |
|                  | 33           | 1,721        | 7,279          | 6,412         | 430,436          | 14,635         | 23        | 39         |
|                  | 33B          |              | 1,846          | 2,093         | 100,332          | 3,140          | 8         | 39         |
|                  | 34           |              | 505            | 1,564         | 47,850           | 2,823          | 12        | 39         |
|                  | 34B & 35     |              | 317            | 746           | 13,393           | 1,163          | 4         | 39         |
|                  | <b>Total</b> | <b>7,624</b> | <b>142,129</b> | <b>72,860</b> | <b>4,554,108</b> | <b>300,219</b> | <b>85</b> | <b>316</b> |

- Treaty period sockeye harvest = 46,736 Approx. 28K Canadian
- D4 was open for a 12-hour and 15-hour opening in week 29 followed by a 15-hour and a 10-hour opening in week 30 for a total of 52 hours. Avg. hours is 59.
- We will be approx. 30K sockeye under the AAH.
- The large underage is due to the discrepancy at the Tyee TF and what actually went into the river.



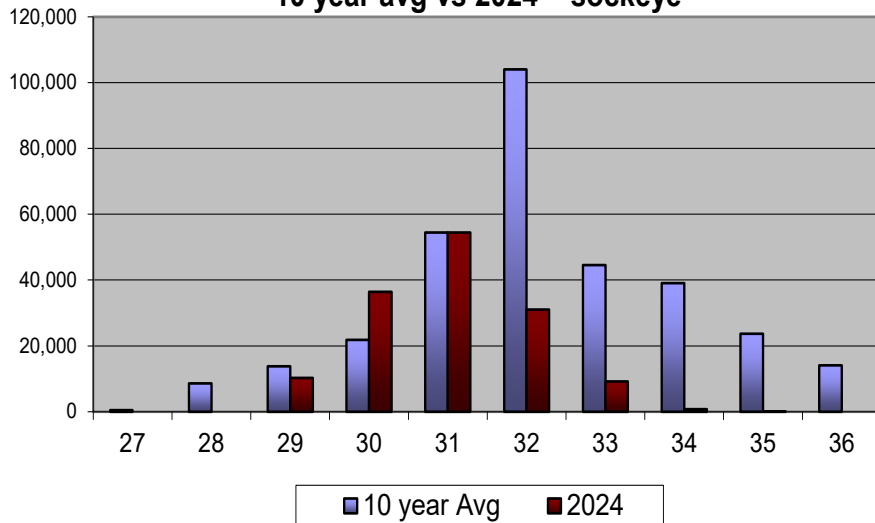
## District 4 Traditional Purse Seine Pink Salmon Harvest 1960-2024



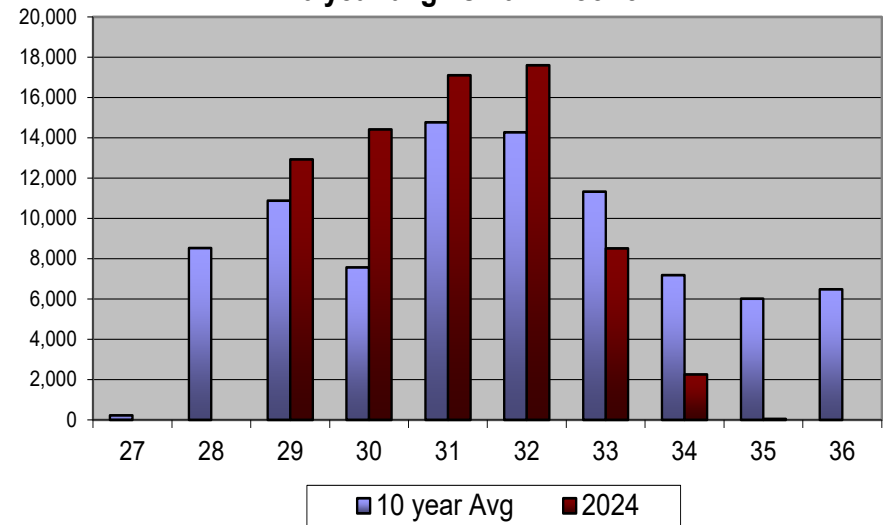
1985-current avg pink harvest = 7.57 mil

10 yr avg pink harvest = 4.7 mil

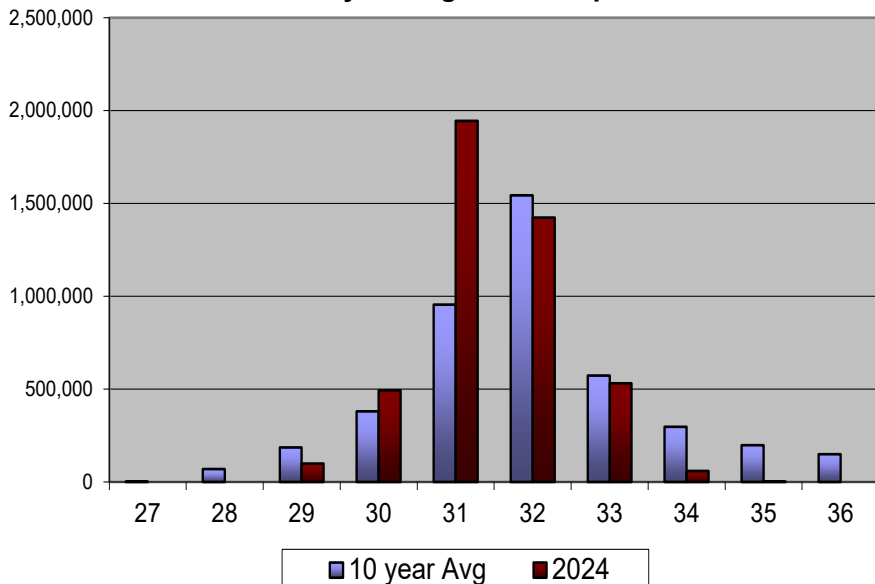
**District 4 Purse Seine Weekly Harvest  
10 year avg vs 2024 - sockeye**



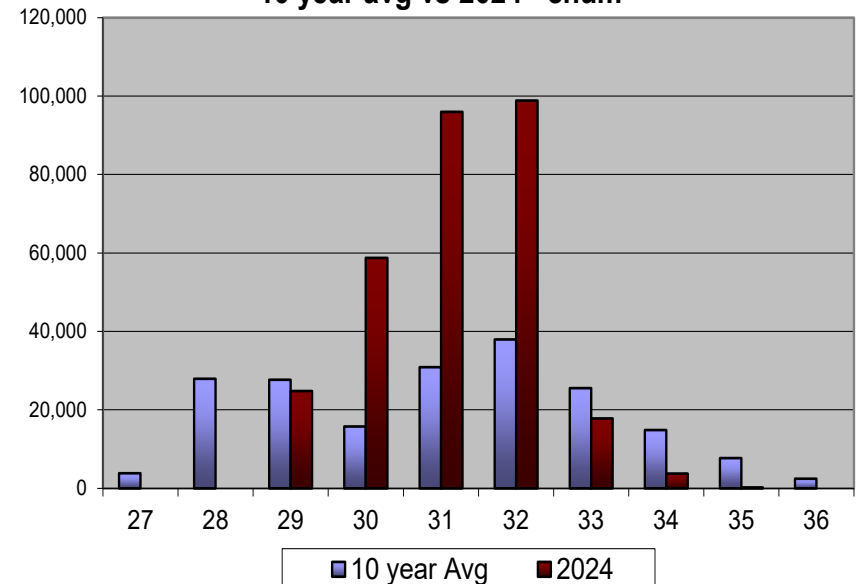
**District 4 Purse Seine Weekly Harvest  
10 year avg vs 2024 - coho**



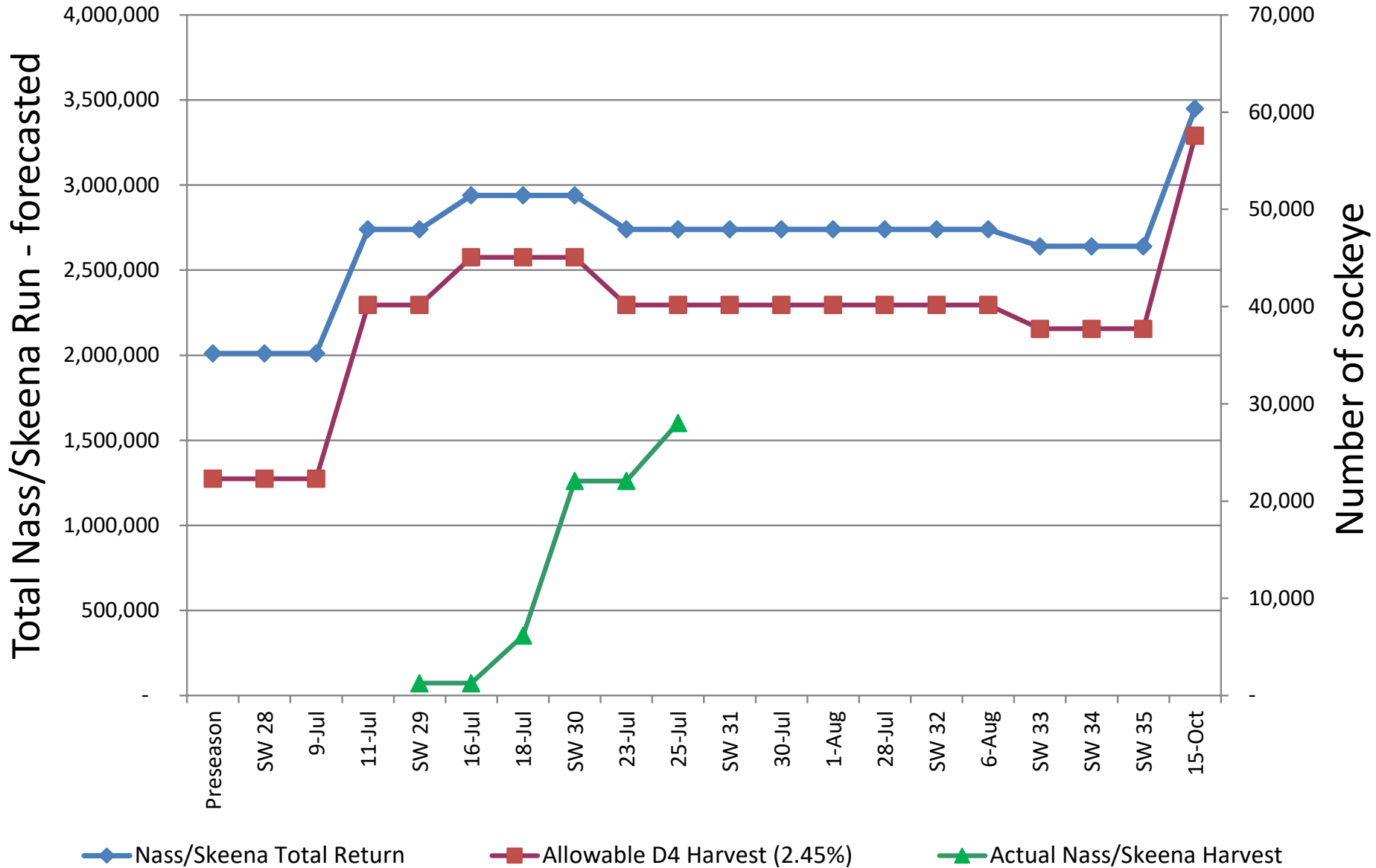
**District 4 Purse Seine Weekly Harvest  
10 year avg vs 2024 - pink**



**District 4 Purse Seine Weekly Harvest  
10 year avg vs 2024 - chum**



# Nass/Skeena Forcast vs D4 Allowable Sockeye Harvest - In season



# District 104 – Purse Seine

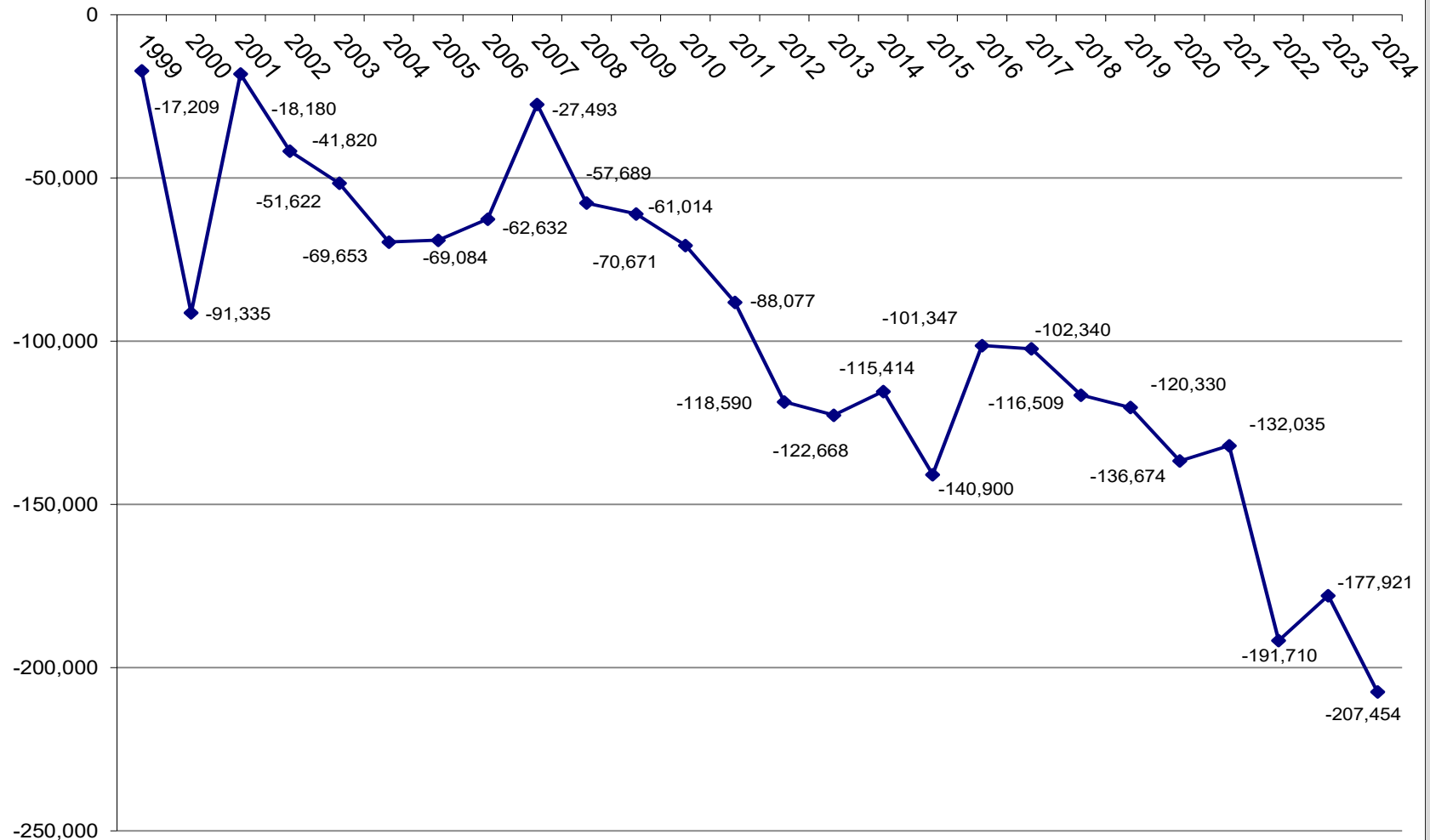
## Treaty Performance, 2024 (preliminary)

| Year | Nass/Skeena<br>Total Return | Nass/Skeena<br>Escapement | Allowable<br>Nass/Skeena<br>AAH | Allowable<br>D4<br>Harvest<br>(2.45%) | Total Pre-<br>Week 31<br>Sockeye<br>Harvest | Actual<br>Nass/Skeena<br>Harvest | Overage/<br>Underage<br>Per Year | Cumulative<br>overage /<br>(underage) |
|------|-----------------------------|---------------------------|---------------------------------|---------------------------------------|---------------------------------------------|----------------------------------|----------------------------------|---------------------------------------|
| 1999 | 1,771,048                   | 936,705                   | 834,343                         | 20,441                                | 7,664                                       | 3,232                            | -17,209                          | -17,209                               |
| 2000 | 5,318,227                   | 1,100,000                 | 4,218,227                       | 103,347                               | 48,969                                      | 29,221                           | -74,126                          | -91,335                               |
| 2001 | 4,965,286                   | 1,100,000                 | 3,865,286                       | 94,700                                | 203,090                                     | 167,854                          | 73,154                           | -18,180                               |
| 2002 | 2,776,504                   | 1,051,335                 | 1,725,169                       | 42,267                                | 26,554                                      | 18,627                           | -23,640                          | -41,820                               |
| 2003 | 3,306,526                   | 1,100,000                 | 2,206,526                       | 54,060                                | 84,742                                      | 44,258                           | -9,802                           | -51,622                               |
| 2004 | 2,620,994                   | 1,100,000                 | 1,520,994                       | 37,264                                | 30,758                                      | 19,233                           | -18,031                          | -69,653                               |
| 2005 | 1,770,472                   | 1,000,142                 | 770,330                         | 18,873                                | 35,690                                      | 19,442                           | 569                              | -69,084                               |
| 2006 | 3,650,525                   | 1,100,000                 | 2,550,525                       | 62,488                                | 89,615                                      | 68,940                           | 6,452                            | -62,632                               |
| 2007 | 2,752,076                   | 1,100,000                 | 1,652,076                       | 40,476                                | 112,135                                     | 75,615                           | 35,139                           | -27,493                               |
| 2008 | 2,531,703                   | 1,100,000                 | 1,431,703                       | 35,077                                | 6,262                                       | 4,880                            | -30,197                          | -57,689                               |
| 2009 | 1,602,960                   | 1,053,859                 | 549,101                         | 13,453                                | 15,971                                      | 10,128                           | -3,325                           | -61,014                               |
| 2010 | 1,395,619                   | 956,957                   | 438,662                         | 10,747                                | 4,612                                       | 1,091                            | -9,656                           | -70,671                               |
| 2011 | 2,487,985                   | 1,100,000                 | 1,387,985                       | 34,006                                | 25,280                                      | 16,599                           | -17,407                          | -88,077                               |
| 2012 | 2,737,168                   | 1,100,000                 | 1,637,168                       | 40,111                                | 18,300                                      | 9,598                            | -30,513                          | -118,590                              |
| 2013 | 981,476                     | 642,461                   | 339,015                         | 8,306                                 | 13,102                                      | 4,228                            | -4,078                           | -122,668                              |
| 2014 | 3,824,537                   | 1,100,000                 | 2,724,537                       | 66,751                                | 114,375                                     | 74,005                           | 7,254                            | -115,414                              |
| 2015 | 3,015,042                   | 1,100,000                 | 1,915,042                       | 46,919                                | 43,873                                      | 21,433                           | -25,486                          | -140,899                              |
| 2016 | 2,140,259                   | 1,100,000                 | 1,040,259                       | 25,486                                | 110,346                                     | 65,039                           | 39,553                           | -101,347                              |
| 2017 | 1,422,783                   | 1,100,000                 | 322,783                         | 7,909                                 | 12,036                                      | 6,916                            | -993                             | -102,340                              |
| 2018 | 2,086,466                   | 1,100,000                 | 986,466                         | 24,168                                | 19,743                                      | 9,999                            | -14,169                          | -116,509                              |
| 2019 | 1,200,155                   | 862,549                   | 337,606                         | 8,271                                 | 9,399                                       | 4,450                            | -3,821                           | -120,331                              |
| 2020 | 1,983,411                   | 1,100,000                 | 883,411                         | 21,644                                | 6,923                                       | 5,300                            | -16,344                          | -136,674                              |
| 2021 | 2,229,497                   | 1,100,000                 | 1,129,497                       | 27,673                                | 49,304                                      | 32,312                           | 4,639                            | -132,035                              |
| 2022 | 4,950,340                   | 1,100,000                 | 3,850,340                       | 94,333                                | 49,025                                      | 34,658                           | -59,675                          | -191,710                              |
| 2023 | 2,791,181                   | 1,100,000                 | 1,691,181                       | 41,434                                | 86,551                                      | 55,223                           | 13,789                           | -177,921                              |
| 2024 | 3,450,000                   | 1,100,000                 | 2,350,000                       | 57,575                                | 46,736                                      | 28,000                           | -29,575                          | -207,496                              |

- 2024 pre-season AAH = 22.3K      post-season AAH = approx. 57K (preliminary estimate)

# District 104 – Purse Seine Treaty Performance 1999-2024

**Alaska Cumulative Treaty Sockeye Underage 1999-2024  
District 104 Purse Seine**



D4 stock comp by week if available.

# 2025 Expectations

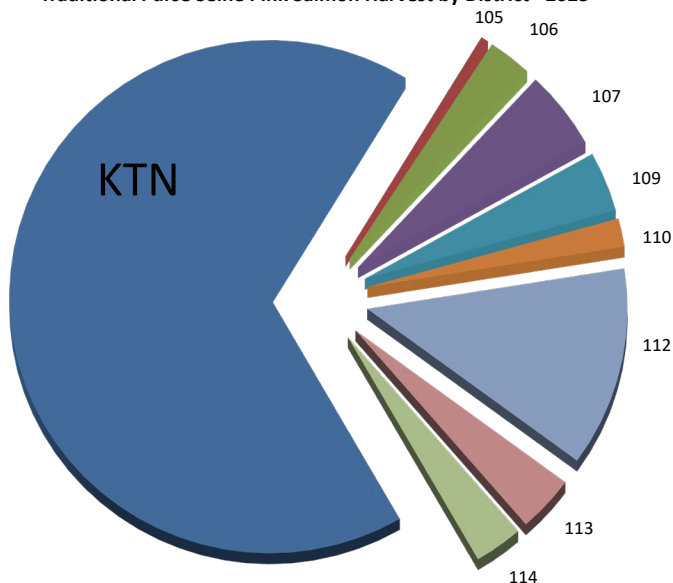
## 2023 Conditions & Esc.

- Decent spawning conditions.
- Water levels were adequate throughout the summer.
- Escapements were exceptional to potentially overscaped. We shall see.
- Chomly and Klakas in particular had obscene amounts of pink salmon.

## 2023 Traditional Pink Harvest – SE

- Pink Harvest 44.3M, 45.8M with Annette Is.
- 31.2M in Ktn w/ Annette
- Could have been much higher.

Traditional Purse Seine Pink Salmon Harvest by District - 2023



## 2023 Pink Salmon Escapement

2023

GRAY –

14 stock groups  
met management  
targets

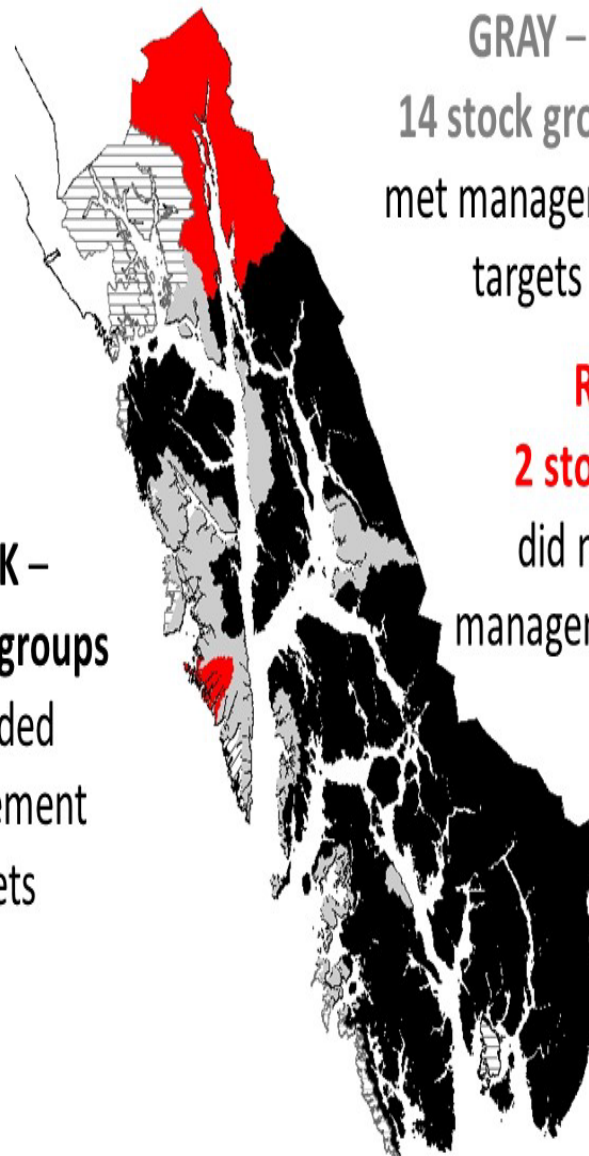
RED –

2 stock group

did not meet  
management targets

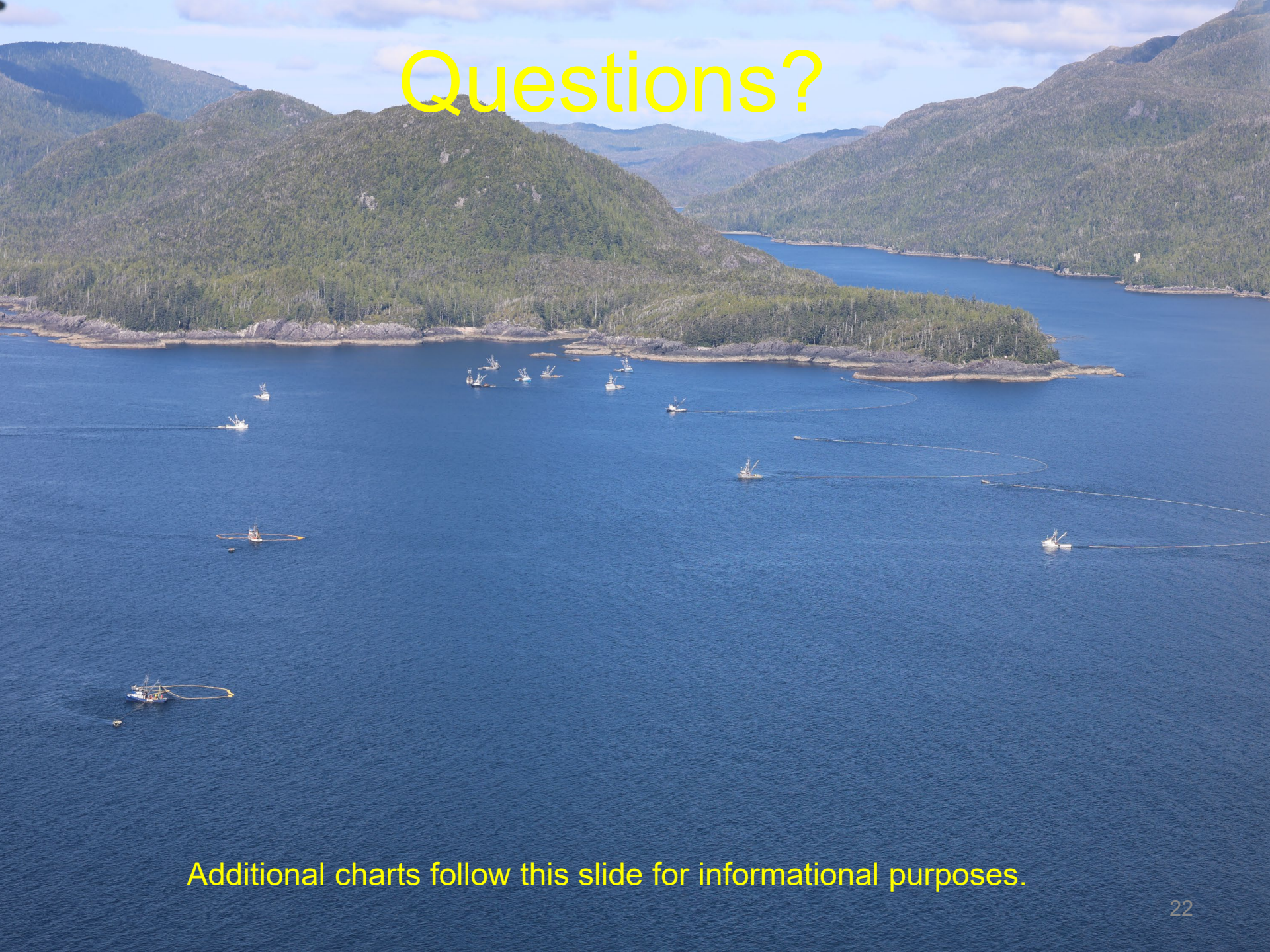
BLACK –

30 stock groups  
exceeded  
management  
targets





# Questions?



Additional charts follow this slide for informational purposes.



## 2024 Ketchikan Area Commercial Net Harvests

### Purse Seine and Gillnet Common Property Fisheries: Districts 1-4

| Fishery           | Chinook       | Sockeye        | Coho           | Pink              | Chum             | Totals            |
|-------------------|---------------|----------------|----------------|-------------------|------------------|-------------------|
| PS 101            | 50            | 74,807         | 43,119         | 5,979,724         | 658,211          | 6,755,911         |
| PS 102            | 17            | 32,565         | 14,761         | 1,228,218         | 393,921          | 1,669,482         |
| PS 103            | 324           | 15,356         | 34,939         | 3,132,325         | 90,647           | 3,273,591         |
| PS 104            | 7,624         | 142,129        | 72,860         | 4,554,108         | 300,219          | 5,076,940         |
| GN 101            | 1,166         | 24,587         | 45,078         | 88,176            | 401,534          | 560,541           |
| Carroll THA GN    | 1,694         | 0              | 0              | 0                 | 135              | 1,829             |
| Carroll THA SN    | 2,240         | 1              | 1              | 0                 | 232              | 2,474             |
| Neet Bay THA GN   | 38            | 0              | 0              | 0                 | 2,209            | 2,247             |
| Neets Bay THA PS  | 170           | 723            | 64             | 379               | 231,029          | 232,365           |
| Nakat THA GN      | 219           | 941            | 5,351          | 7,649             | 401,582          | 415,742           |
| Kendrick THA PS   | 25            | 4,965          | 1,584          | 71,631            | 487,184          | 565,389           |
| Annette Island GN | 887           | 1,909          | 18,089         | 12,598            | 180,925          | 214,408           |
| Annette Island PS | 1,094         | 15,773         | 11,914         | 1,052,550         | 344,021          | 1,425,352         |
| <b>Total</b>      | <b>15,548</b> | <b>313,756</b> | <b>247,760</b> | <b>16,127,358</b> | <b>3,491,849</b> | <b>20,196,271</b> |

# 2024 District 1 Purse Seine – Harvest by Opening

| Opening      | Chinook   | Sockeye       | Coho          | Pink             | Chum           | Boats      | Hours      |
|--------------|-----------|---------------|---------------|------------------|----------------|------------|------------|
| 27           | 0         | 1,428         | 207           | 8,006            | 27,499         | 26         | 15         |
| 28           | 16        | 2,148         | 578           | 43,441           | 75,617         | 49         | 15         |
| 28B          | 11        | 2,606         | 770           | 114,029          | 79,005         | 50         | 15         |
| 29           | 5         | 2,233         | 651           | 141,227          | 65,788         | 46         | 15         |
| 29B          | 8         | 4,831         | 872           | 304,499          | 84,133         | 56         | 15         |
| 30           | 7         | 8,470         | 1,428         | 513,988          | 61,246         | 69         | 15         |
| 30B          | 1         | 10,730        | 1,742         | 587,104          | 52,961         | 75         | 15         |
| 31           | 0         | 11,966        | 1,932         | 502,017          | 54,182         | 73         | 15         |
| 31B          | 0         | 7,228         | 2,260         | 552,369          | 30,218         | 58         | 15         |
| 32           | 0         | 6,571         | 2,892         | 833,825          | 33,843         | 64         | 39         |
| 32B          | 2         | 7,269         | 3,454         | 750,627          | 29,952         | 50         | 39         |
| 33           | 0         | 3,240         | 2,752         | 540,953          | 18,061         | 50         | 39         |
| 33B          | 0         | 1,861         | 3,017         | 362,537          | 12,791         | 37         | 39         |
| 34           | 0         | 1,565         | 5,268         | 308,587          | 11,370         | 24         | 39         |
| 34B          | 0         | 1,408         | 6,305         | 275,619          | 14,534         | 34         | 39         |
| 35           | 0         | 1,253         | 8,991         | 140,896          | 7,011          | 24         | 39         |
| <b>Total</b> | <b>50</b> | <b>74,807</b> | <b>43,119</b> | <b>5,979,724</b> | <b>658,211</b> | <b>121</b> | <b>408</b> |

- Pinks ranked 18<sup>th</sup> of 64 since 1960.
- 10-year avg = 4.6 million pinks.
- Hugh Smith restrictions persisted from SW 29-33. Hugh Smith final esc of 3,563 is less than a quarter of the lower end of the 8K escapement goal.
- No major die offs observed in the district. A few minor die offs in the district.

# 2024 District 2 Purse Seine – Harvest by Opening

| Opening      | Chinook   | Sockeye       | Coho          | Pink             | Chum           | Boats     | Hours      |
|--------------|-----------|---------------|---------------|------------------|----------------|-----------|------------|
| 27           | 2         | 854           | 203           | 569              | 61,911         | 39        | 15         |
| 28           | 0         | 1,283         | 278           | 1,270            | 33,449         | 25        | 15         |
| 28B          | 6         | 2,691         | 747           | 4,741            | 64,122         | 33        | 15         |
| 29           | 0         | 1,396         | 760           | 10,801           | 44,233         | 26        | 15         |
| 29B          | 0         | 4,177         | 1,050         | 55,123           | 64,958         | 24        | 15         |
| 30           | 1         | 2,296         | 686           | 16,793           | 35,999         | 17        | 15         |
| 30B          | 0         | 1,569         | 1,139         | 33,633           | 14,148         | 10        | 15         |
| 31           | 0         | 4,077         | 1,182         | 102,526          | 18,632         | 10        | 15         |
| 31B          | 0         | 3,017         | 1,376         | 157,353          | 15,121         | 13        | 15         |
| 32           | 1         | 5,860         | 2,371         | 354,810          | 15,206         | 23        | 39         |
| 32B          | 7         | 3,386         | 1,981         | 312,566          | 11,469         | 19        | 39         |
| 33           | 0         | 827           | 824           | 100,430          | 2,664          | 8         | 39         |
| 33B          | 0         | 437           | 479           | 32,631           | 1,349          | 3         | 39         |
| 34           | 0         | 214           | 290           | 13,410           | 1,831          | 4         | 39         |
| 34B          | 0         | 252           | 511           | 16,539           | 956            | 4         | 39         |
| 35           | 0         | 128           | 300           | 8,578            | 2,105          | 3         | 39         |
| 37           | 0         | 101           | 584           | 6,445            | 5,768          | 7         | 12         |
| 38           | 0         | 0             | 0             | 0                | 0              | 0         | 12         |
| <b>Total</b> | <b>17</b> | <b>32,565</b> | <b>14,761</b> | <b>1,228,218</b> | <b>393,921</b> | <b>87</b> | <b>432</b> |

- Pinks rank 49<sup>th</sup> out of 64 since 1960.
- 10 yr avg = 3.0 million
- Weak. Escapements were decent. Moira and Skowl Arm weak.
- Limited fall chum fishery. Fall chum escapements within the SEG.

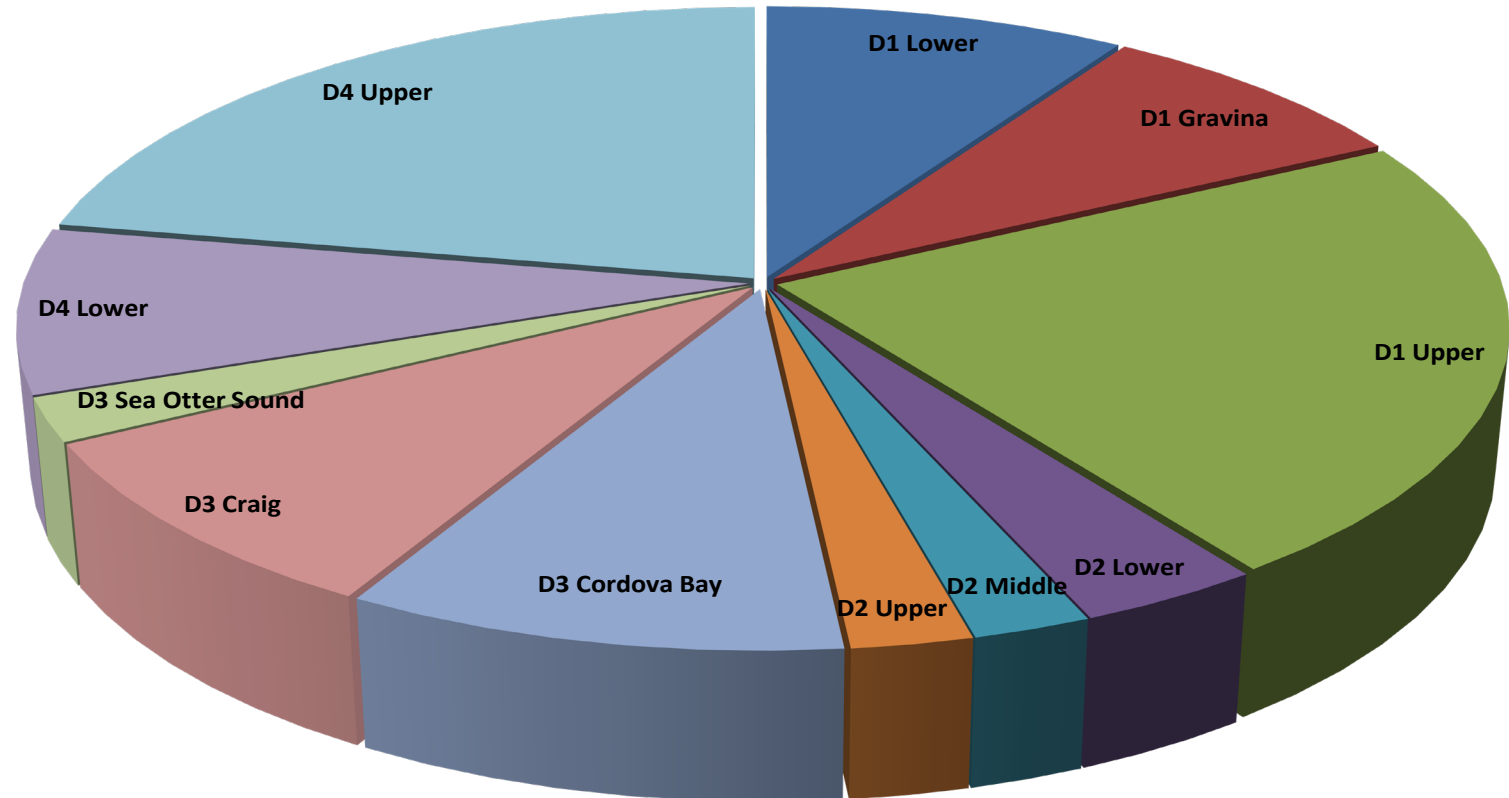
# 2024 District 3 Purse Seine – Harvest by Opening

| Opening      | Chinook    | Sockeye       | Coho          | Pink             | Chum          | Boats     | Hours      |
|--------------|------------|---------------|---------------|------------------|---------------|-----------|------------|
| 30 & 30B     | 4          | 198           | 127           | 5317             | 10295         | 7         | 30         |
| 31           | 6          | 829           | 295           | 33,644           | 10,500        | 6         | 15         |
| 31B          | 84         | 1,471         | 883           | 109,057          | 2,842         | 6         | 15         |
| 32           | 78         | 4,395         | 4,009         | 621,476          | 12,340        | 34        | 39         |
| 32B          | 5          | 3,067         | 4,256         | 654,701          | 11,730        | 34        | 39         |
| 33           | 147        | 2,009         | 4,190         | 542,886          | 11,987        | 28        | 39         |
| 33B          |            | 1,550         | 8,774         | 634,958          | 12,927        | 37        | 39         |
| 34           |            | 1,161         | 5,163         | 340,471          | 9,521         | 38        | 39         |
| 34B          |            | 406           | 2,558         | 131,113          | 5,061         | 21        | 39         |
| 35           |            | 208           | 4,660         | 55,434           | 3,419         | 15        | 39         |
| <b>Total</b> | <b>324</b> | <b>15,294</b> | <b>34,915</b> | <b>3,129,057</b> | <b>90,622</b> | <b>76</b> | <b>333</b> |

- Pinks rank 22<sup>nd</sup> out of 64.
- 10 yr avg = 2.7 million
- Very good escapement and harvest compared to parent year. Good distribution from Cordova Bay to Sea Otter Sound.
- Low water levels forced conservative lines in areas due to large amounts of pinks milling and holding off stream mouths. Minor die offs.

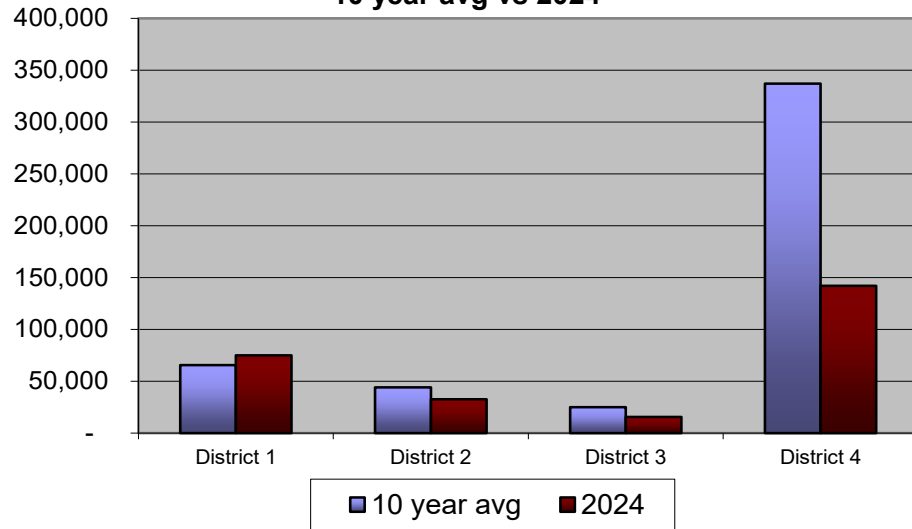
# 2024 Pink Salmon Harvest in the Ketchikan Management Area

**2024 Ketchikan Area Pink salmon  
Traditional Harvest**

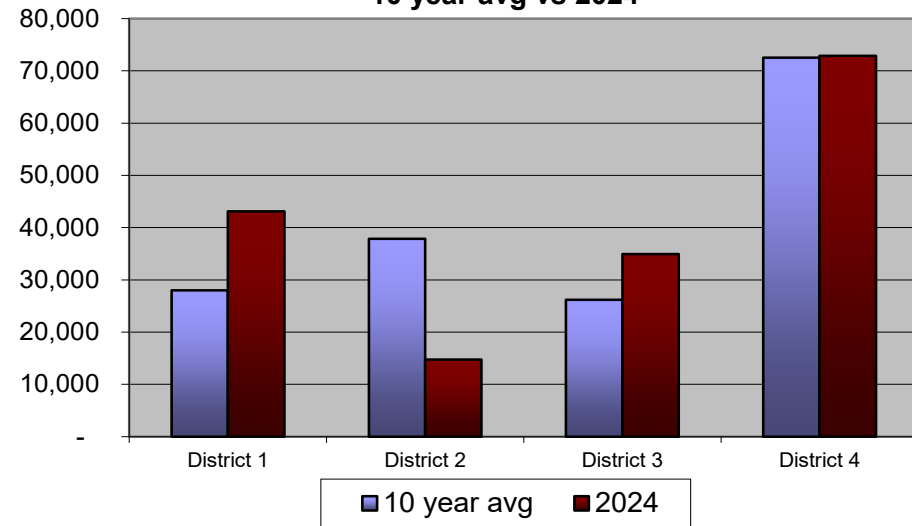


# Purse Seine Traditional Harvest by District by Species

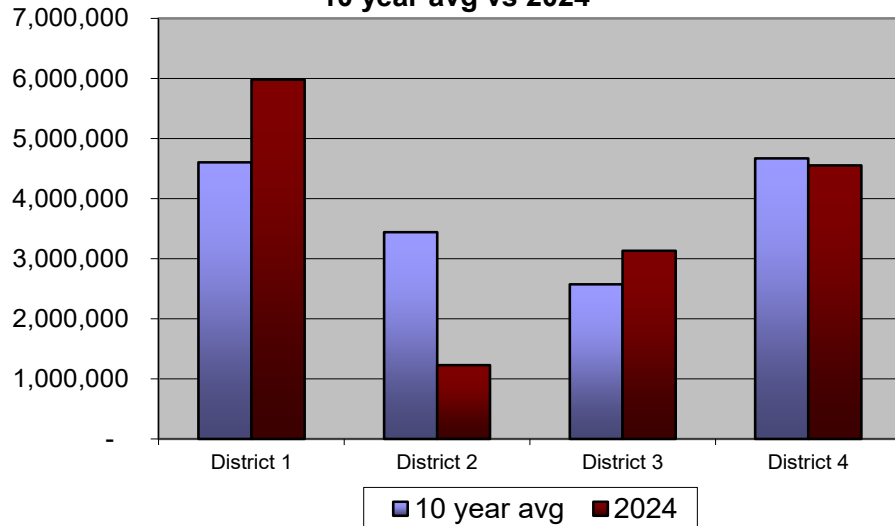
**Purse Seine Sockeye Harvest  
10 year avg vs 2024**



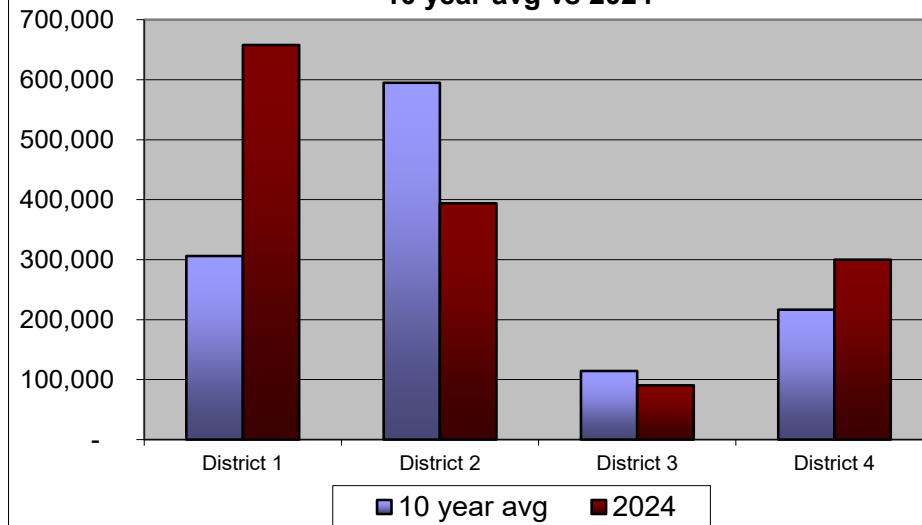
**Purse Seine Coho Harvest  
10 year avg vs 2024**



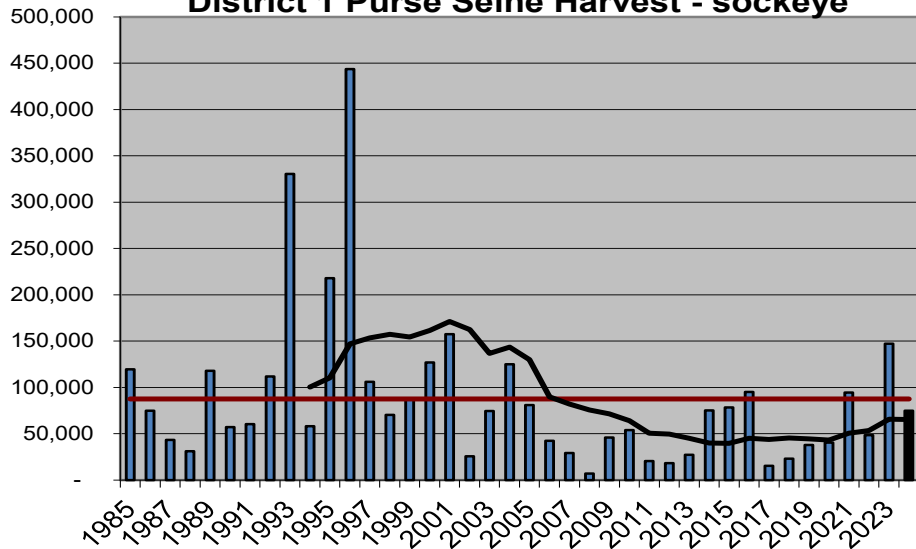
**Purse Seine Pink Harvest  
10 year avg vs 2024**



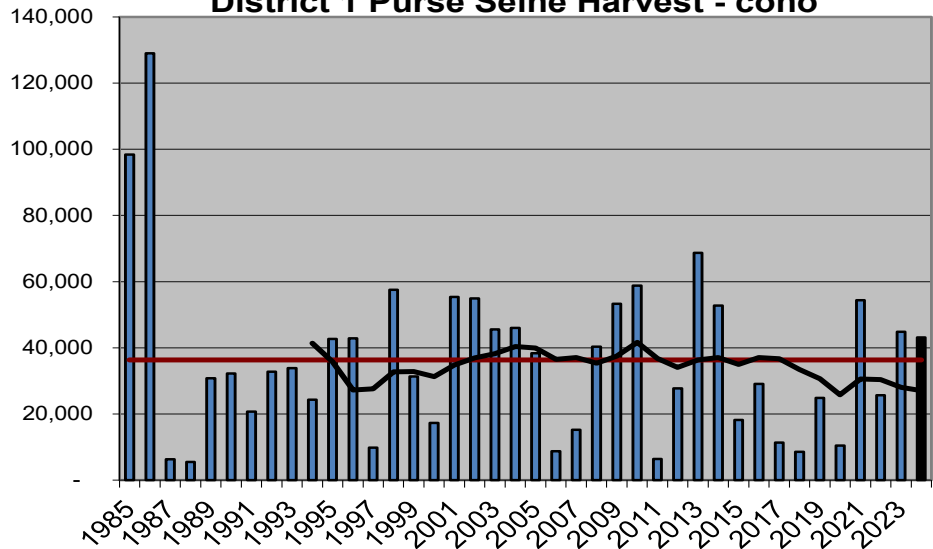
**Purse Seine Chum Harvest  
10 year avg vs 2024**



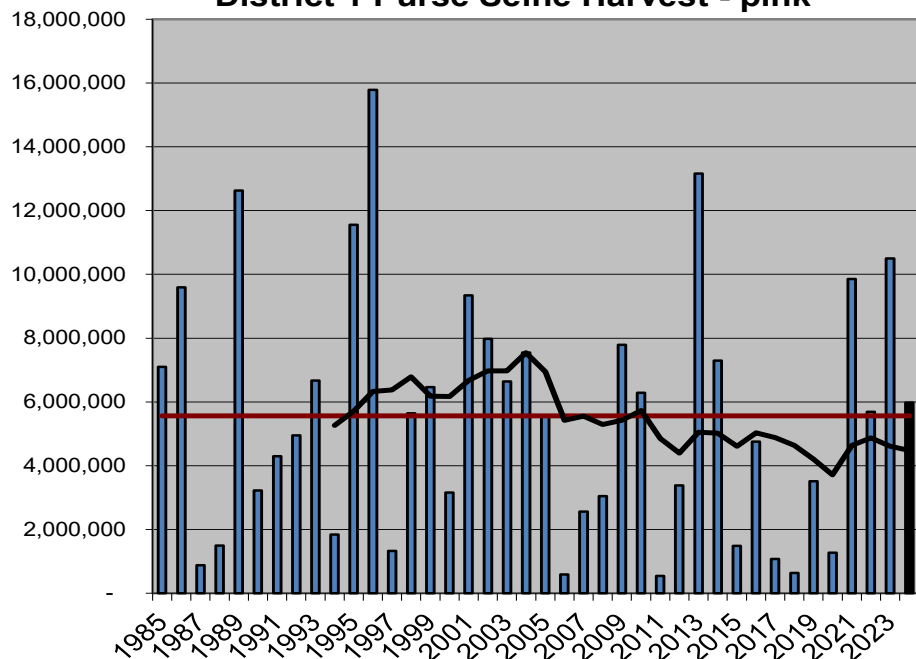
**District 1 Purse Seine Harvest - sockeye**



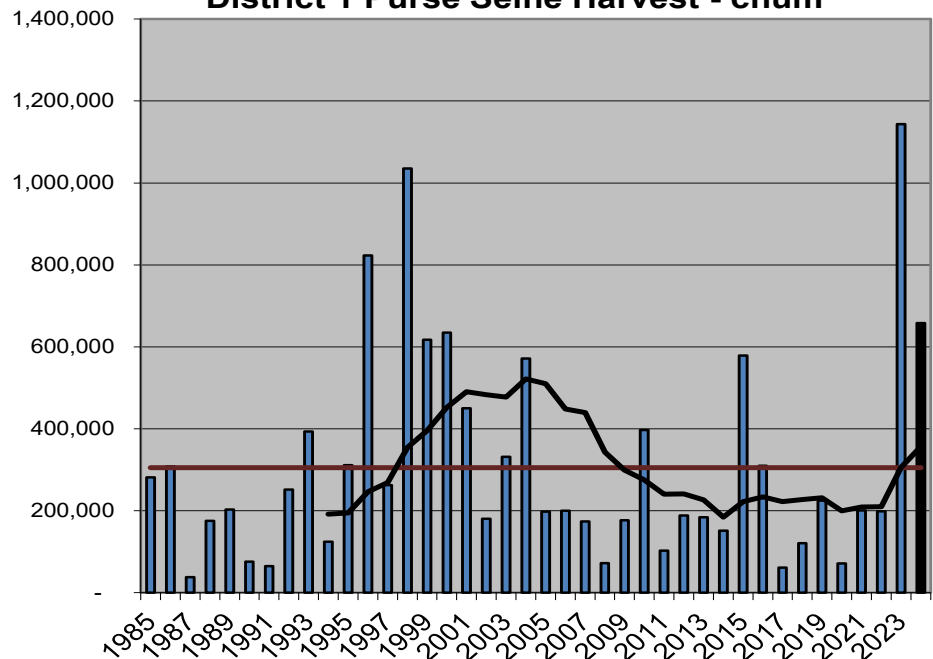
**District 1 Purse Seine Harvest - coho**



**District 1 Purse Seine Harvest - pink**

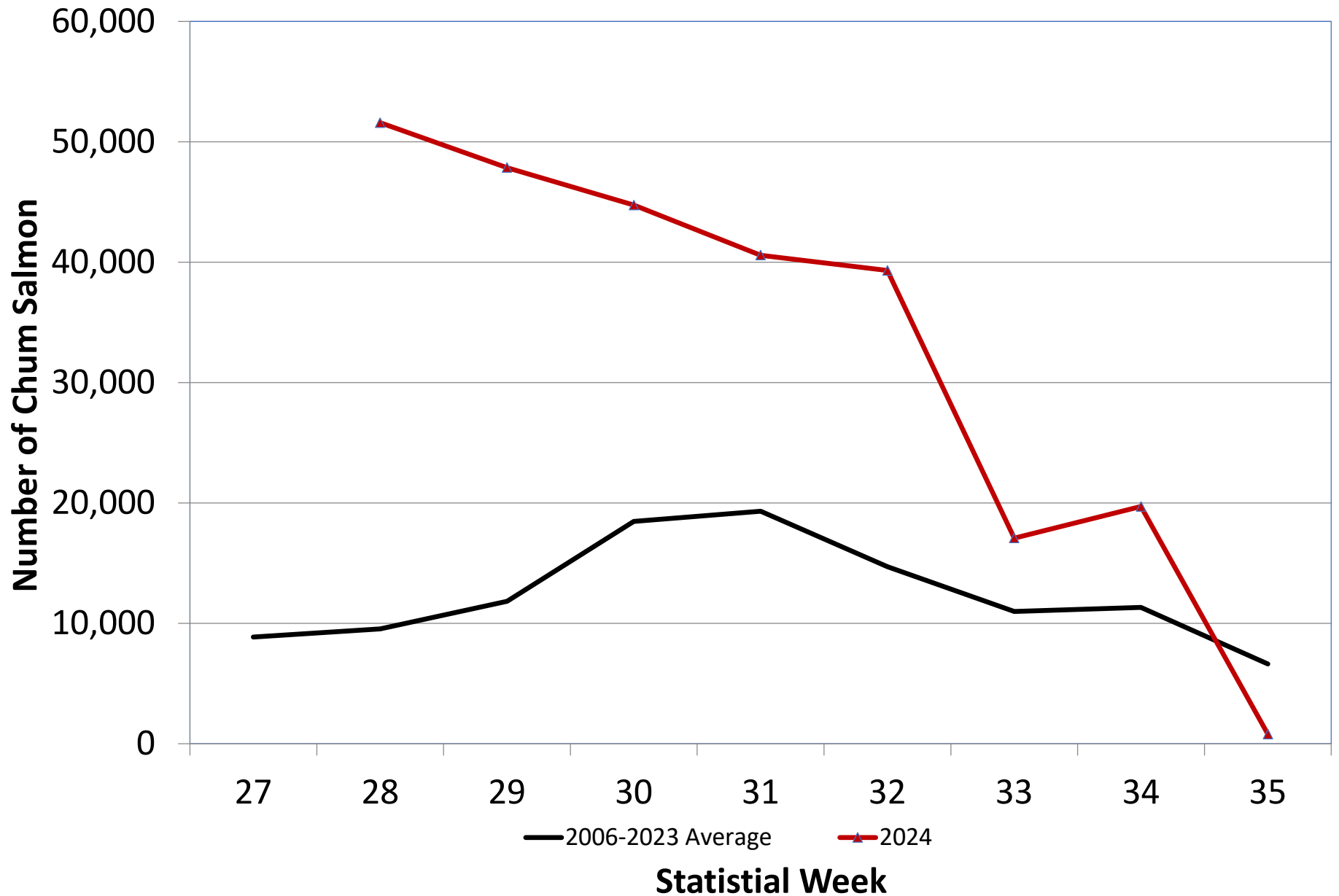


**District 1 Purse Seine Harvest - chum**

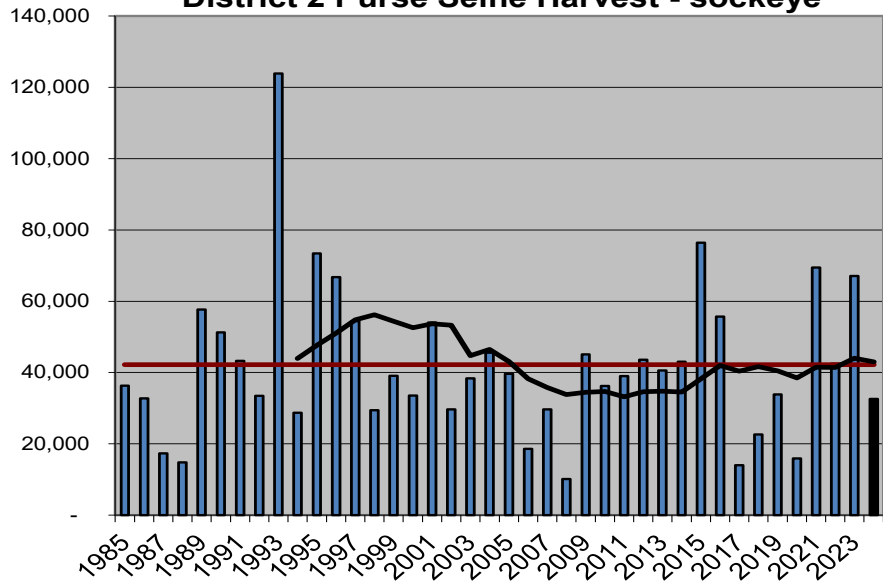




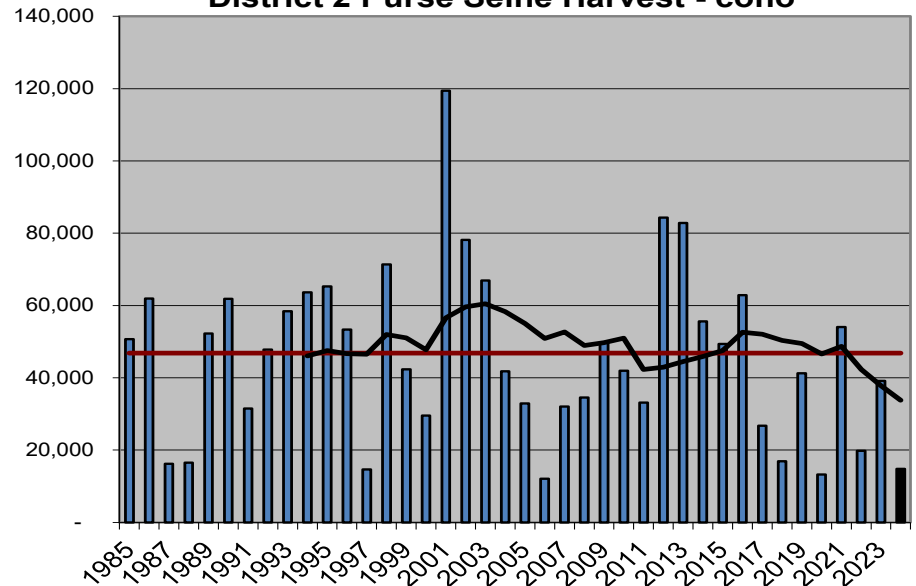
## District 101 Seine - Harvest of Unmarked Chum Salmon



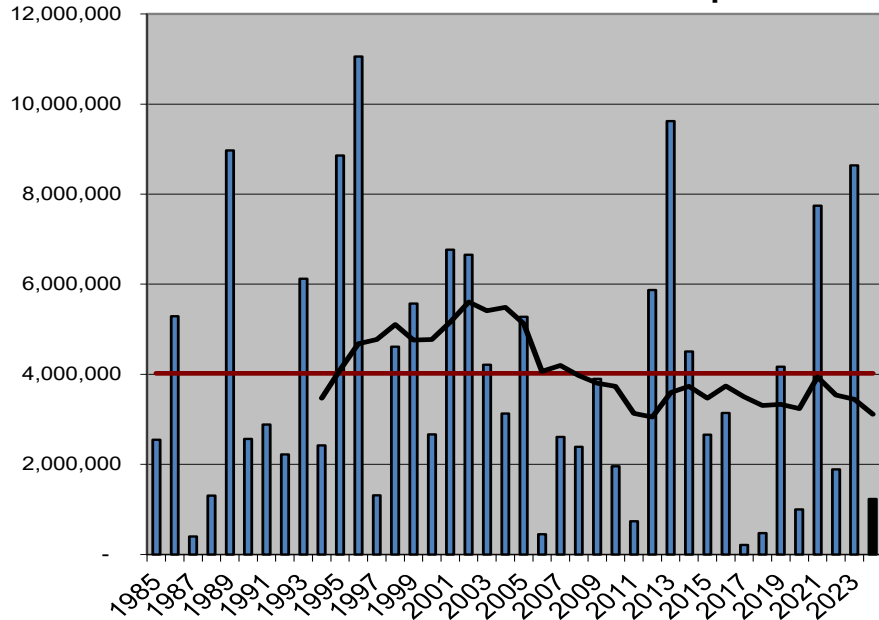
**District 2 Purse Seine Harvest - sockeye**



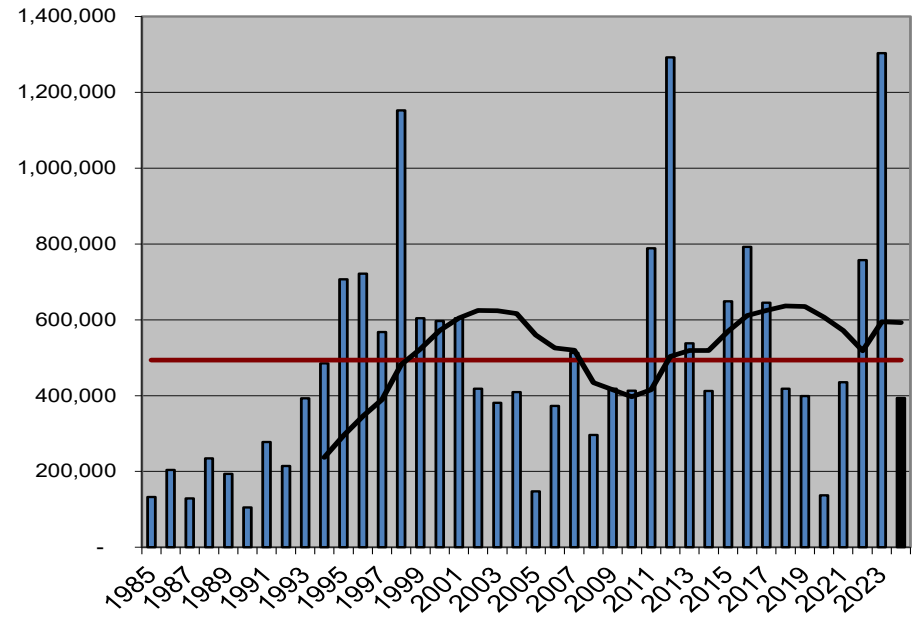
**District 2 Purse Seine Harvest - coho**



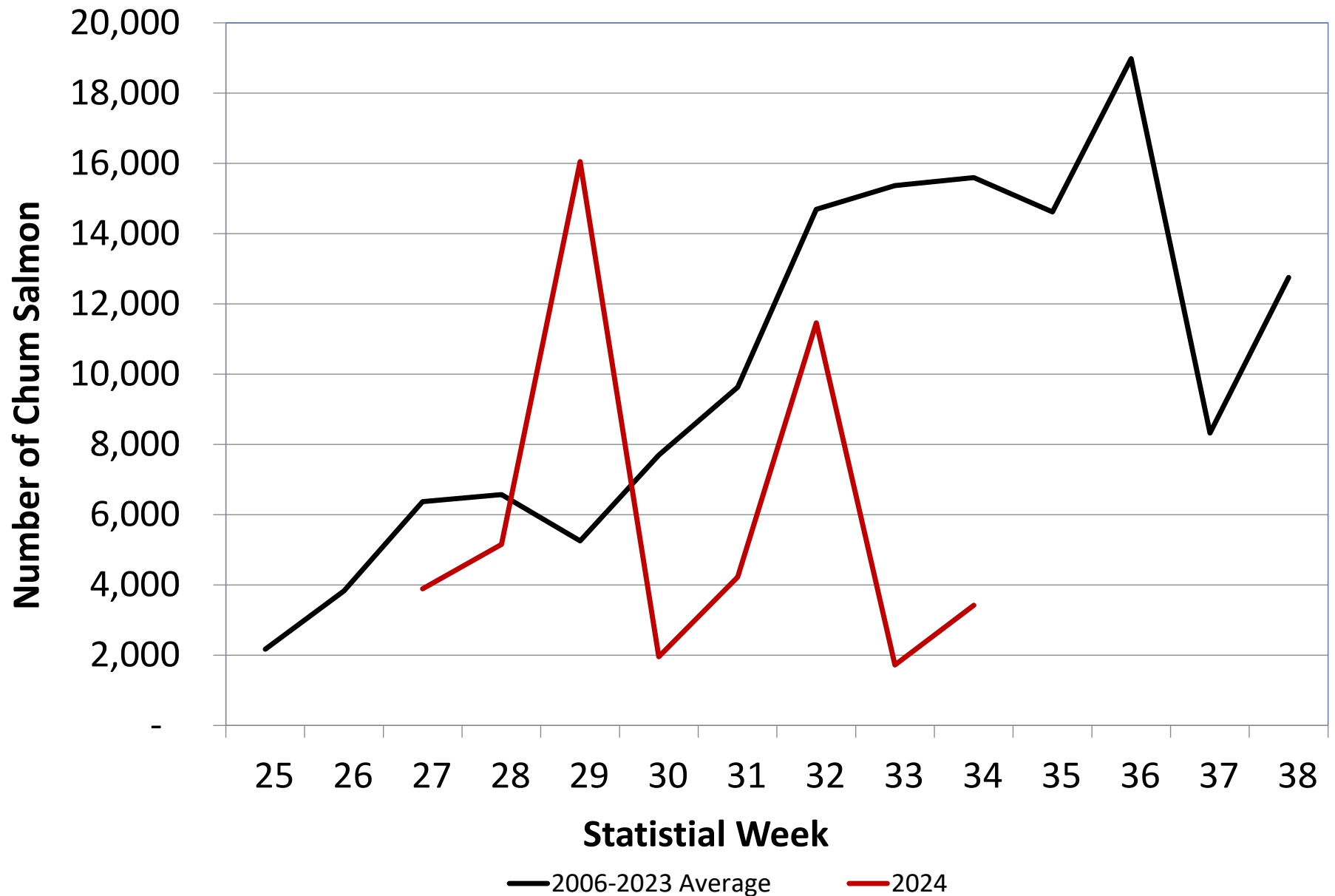
**District 2 Purse Seine Harvest - pink**



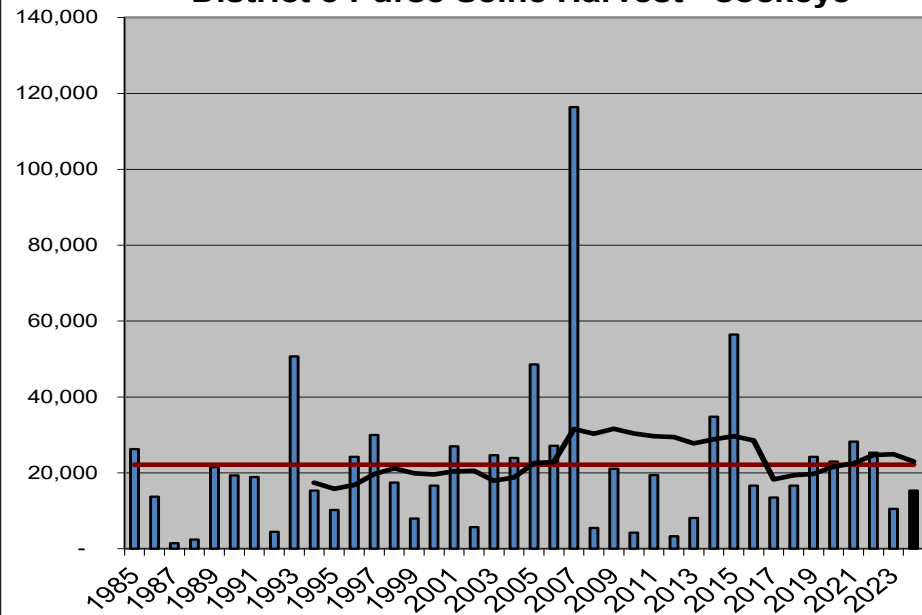
**District 2 Purse Seine Harvest - chum**



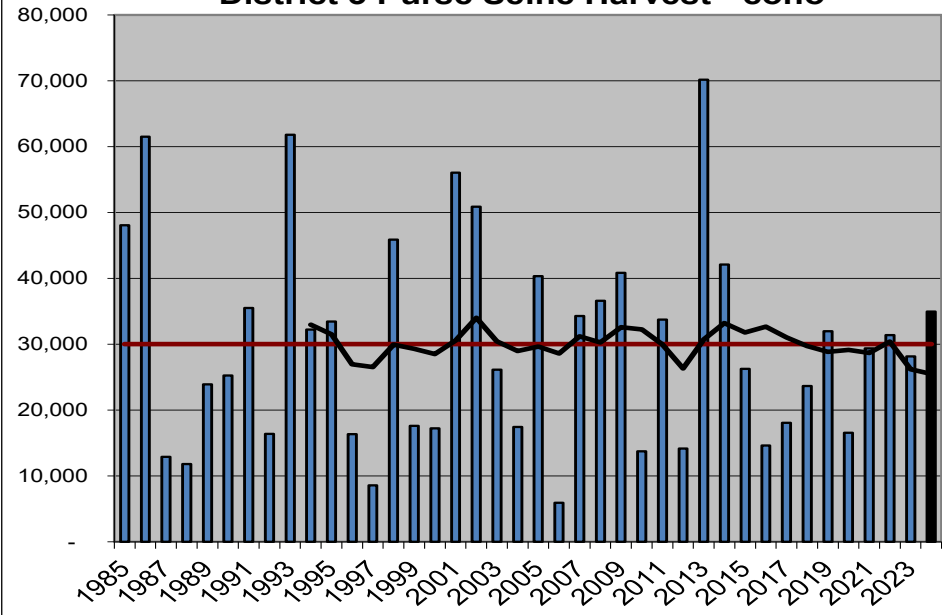
## District 2 Seine - Harvest of Unmarked Chum Salmon



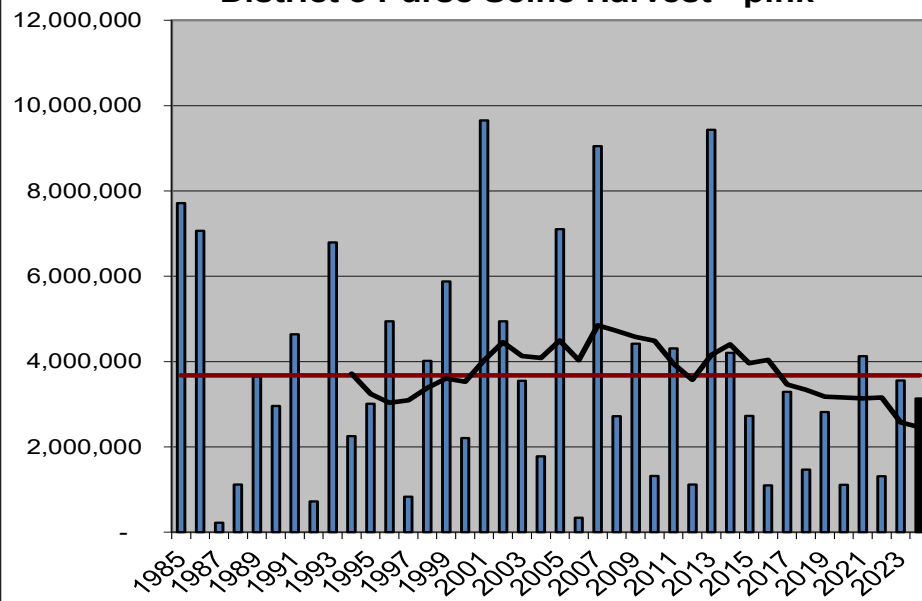
**District 3 Purse Seine Harvest - sockeye**



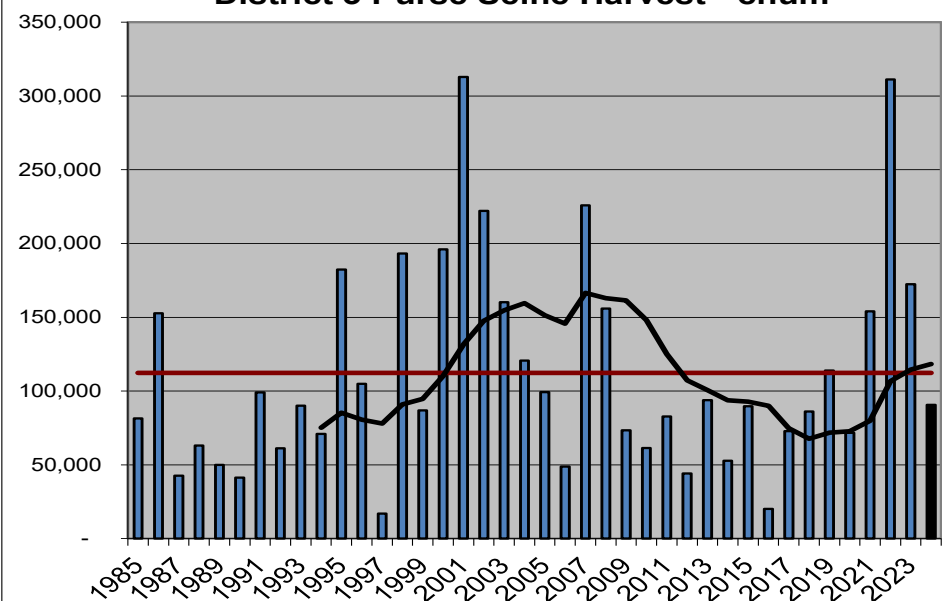
**District 3 Purse Seine Harvest - coho**



**District 3 Purse Seine Harvest - pink**



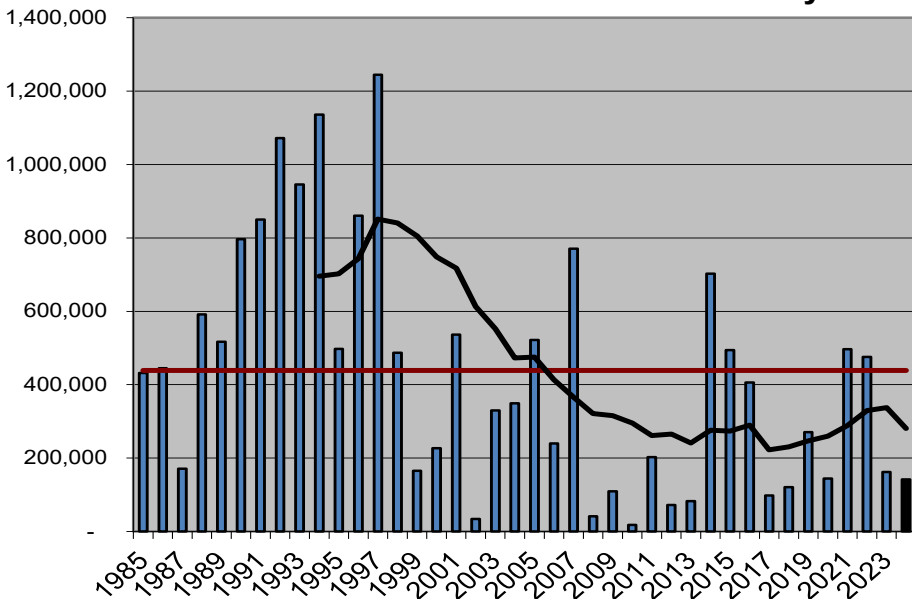
**District 3 Purse Seine Harvest - chum**



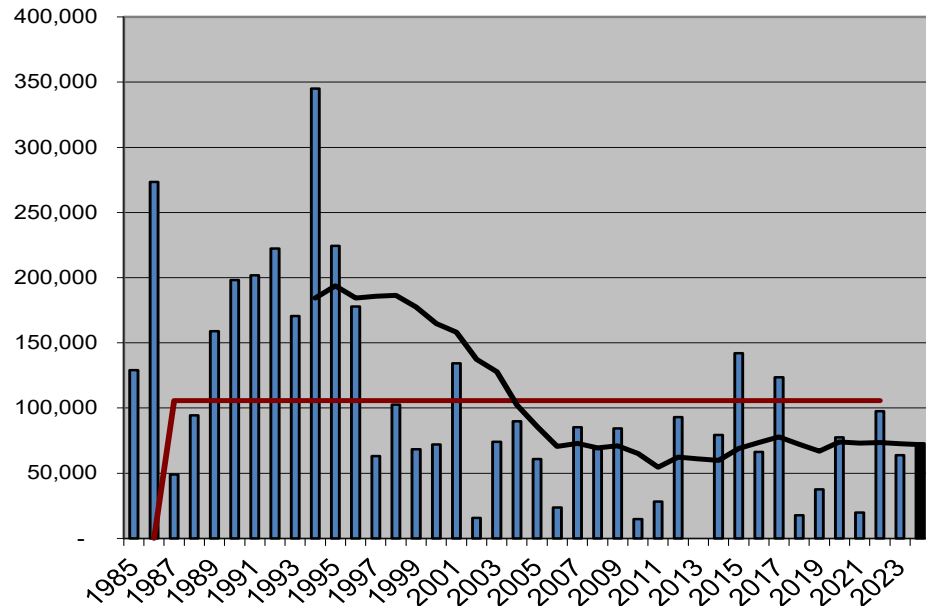
## District 3 Seine - Harvest of Unmarked Chum Salmon



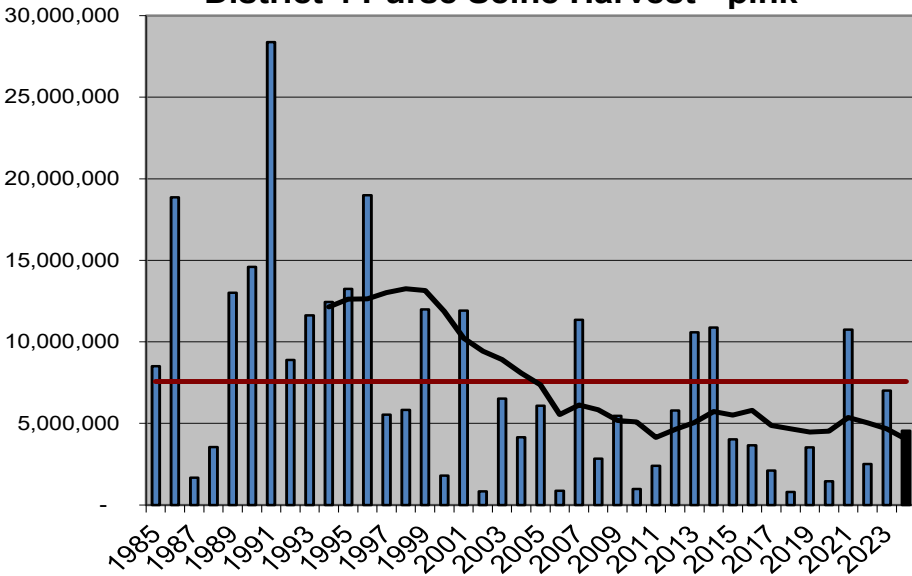
**District 4 Purse Seine Harvest - sockeye**



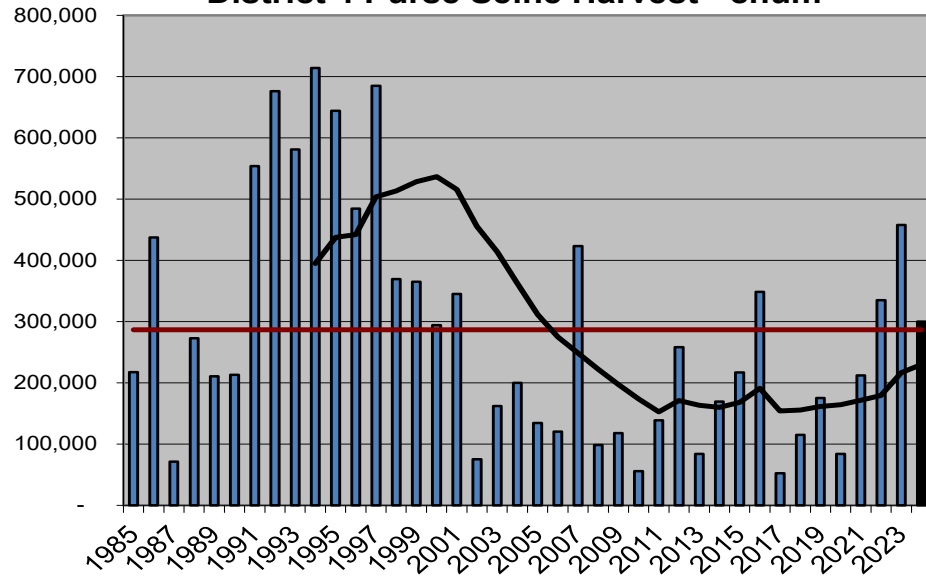
**District 4 Purse Seine Harvest - coho**



**District 4 Purse Seine Harvest - pink**



**District 4 Purse Seine Harvest - chum**



## District 4 Seine - Harvest of Unmarked Chum Salmon

