

# Kuskokwim River Salmon Management Working Group

1 (800) 315-6338 (MEET) Code: 58756# (KUSKO)

ADF&G Bethel toll free: 1 (855) 933-2433

## Meeting Agenda

Date: 07/20/2022

Time: 10:00 a.m.–12:00 p.m.

Place: ADF&G Office, Bethel, AK

Time Called to Order:

Chair:

### ROLL CALL TO ESTABLISH QUORUM:

Upriver Elder:  
Downriver Elder:  
Commercial Fisher:  
Lower River Subsistence:  
Middle River Subsistence:  
Upper River Subsistence:  
Headwaters Subsistence:

### QUORUM MET? Yes / No

Member at Large 1:  
Member at Large 2:  
Sport Fisher:  
Western Interior RAC:  
Y-K Delta RAC:  
KRITFC:  
ADF&G:

### INTRODUCTIONS:

### INVOCATION:

**APPROVAL OF MINUTES:** *Optional. ADF&G does not prepare official meeting minutes.*

**APPROVAL OF AGENDA:** *the agenda may be amended at this time.*

### USFWS/KRITFC UPDATE:

### ADF&G MANAGEMENT ACTIONS UNDER CONSIDERATION:

**PEOPLE TO BE HEARD:** *Non-Working Group Members*

### CONTINUING BUSINESS:

- Subsistence Reports: Lowest River, ONC Inseason Subsistence Report, Lower River, Middle River, Upper River, Headwaters
- Inseason Harvest Report (ONC/KRITFC)
- Overview of Kuskokwim River salmon run assessment:
  - a. Test Fisheries (Bethel and Aniak):
  - b. Sonar/Weirs/Aerial Surveys/Other:
  - c. Subsistence Division Project Update:
  - d. NVN Report:
- Working Group KRITFC Representative Report:
- Commercial Catch Report: N/A
- Processor Report: N/A
- Sport Fish Report:
- Intercept Fishery Report: *optional*
- Weather Forecast:
- Discussion of ADF&G Management considerations and discussion of possible alternatives (recommendations from the Working Group):
- Motion for Discussion and Action:

### OLD BUSINESS:

### NEW BUSINESS:

### COMMENTS FROM WORKING GROUP MEMBERS:

NEXT MEETING DATE: \_\_\_\_\_ Time: \_\_\_\_\_ Place: \_\_\_\_\_

## Informational Packet

### Information Packets *ARE*:

- Intended to help inform Working Group discussions.
- To be viewed and used in context with Working Group meetings only.

### Packets *ARE NOT*:

- To be viewed as standalone documents.
- A final say on fisheries management decisions.

### **Please use this information responsibly:**

Packet information is an incomplete snapshot of an ongoing discussion and changing conditions. Packet information should not be reproduced for any purpose other than to describe Working Group meeting discussions.

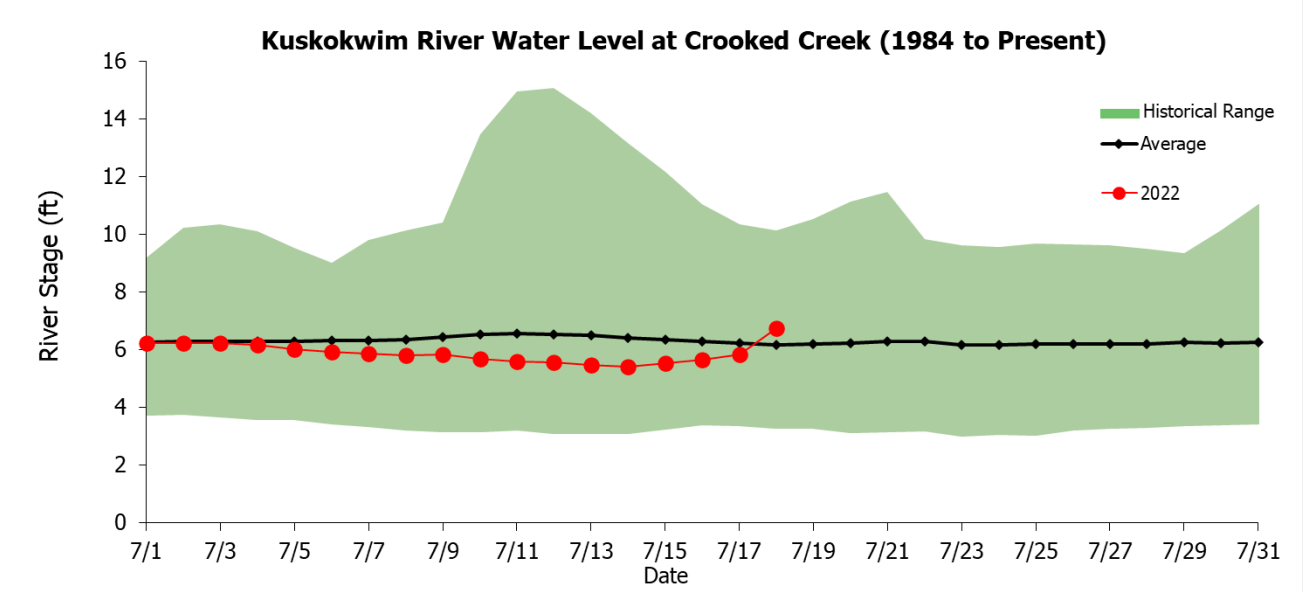
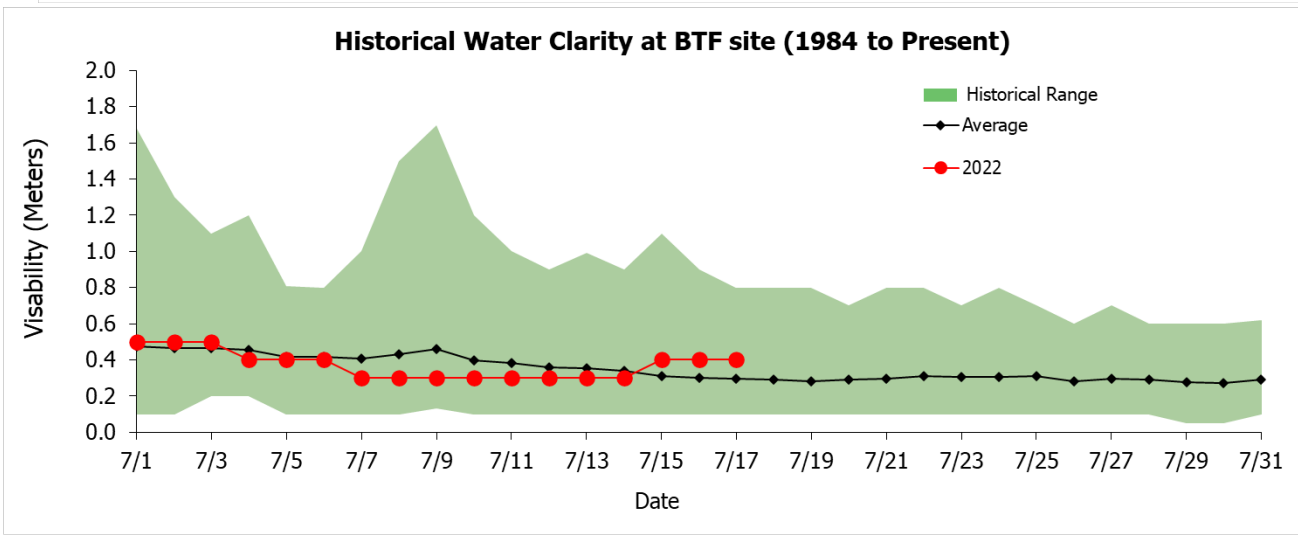
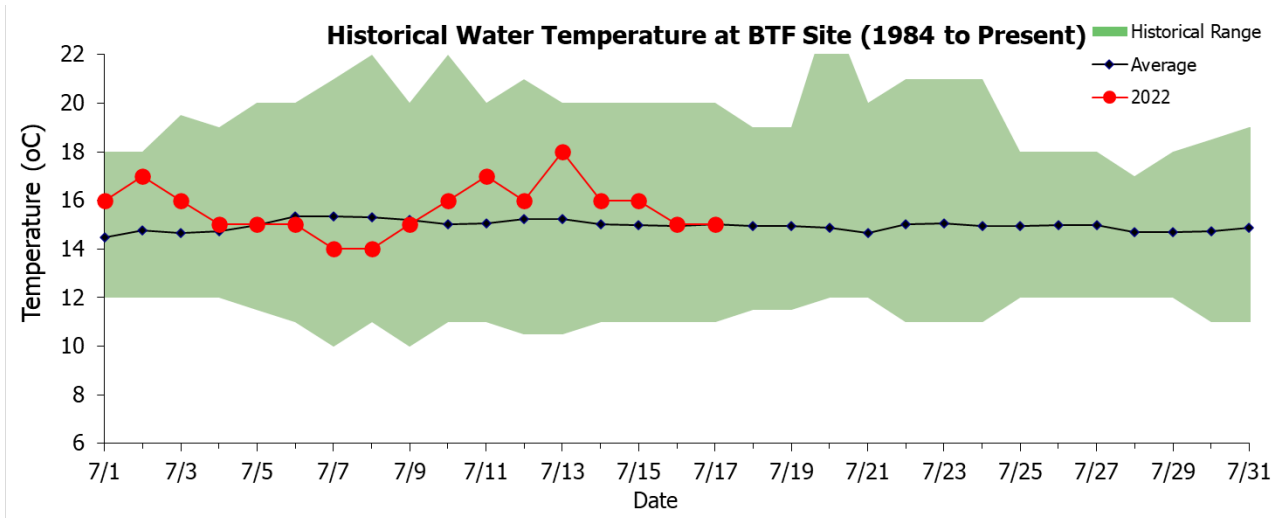
**Misuse** of Packet information can contribute to misunderstandings that can **cause harm to salmon users** and potentially **damage salmon resources**.

**Ask Questions:** ADF&G staff will be happy to answer biology and management questions. Please call **1-855-933-2433** to reach ADF&G Kuskokwim Area staff.

**Attend Meetings:** Each Working Group meeting is announced at least 48 hours prior to time and date of meeting. In addition, each meeting is recorded. Recordings can be found here:  
[http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyarea\\_kuskokwim.kswg](http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyarea_kuskokwim.kswg)

Viewing the information packet while listening to meetings/recordings will provide a better understanding of the information presented in this packet.

**Thank you,**  
**Savannah Hollingworth**  
**Working Group Coordinator**



# Kuskokwim River Salmon Assessment Update

## 7/18/2022

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This document presents the key assessment information considered by managers in-season. The production of this document is a collaborative effort between USFWS and ADF&G. **All data and analyses contained are preliminary and are subject to change, so please make interpretations carefully.**

If you have any questions about the content, please contact Spencer Rearden (USFWS; [spencer\\_rearden@fws.gov](mailto:spencer_rearden@fws.gov)) or Sean Larson (ADF&G; [sean.larson@alaska.gov](mailto:sean.larson@alaska.gov)). Major credit for the development of this data packet belongs to Benjamin Staton.

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#### Abbreviations:

- BTF: Bethel Test Fishery
- ATF: Aniak Test Fishery
- CPUE: Catch-per-unit-effort
- EOS: End-of-Season
- ADF&G: Alaska Department of Fish and Game
- KRITFC: Kuskokwim River Inter-tribal Fisheries Commission
- ONC: Orutsaramiut Native Council
- USFWS: United States Fish and Wildlife Service
- YDNWR: Yukon Delta National Wildlife Refuge

To view escapement information, please visit the ADF&G Kuskokwim River Fish Counts page:

- <http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareakuskokwim.salmon#fishcounts>

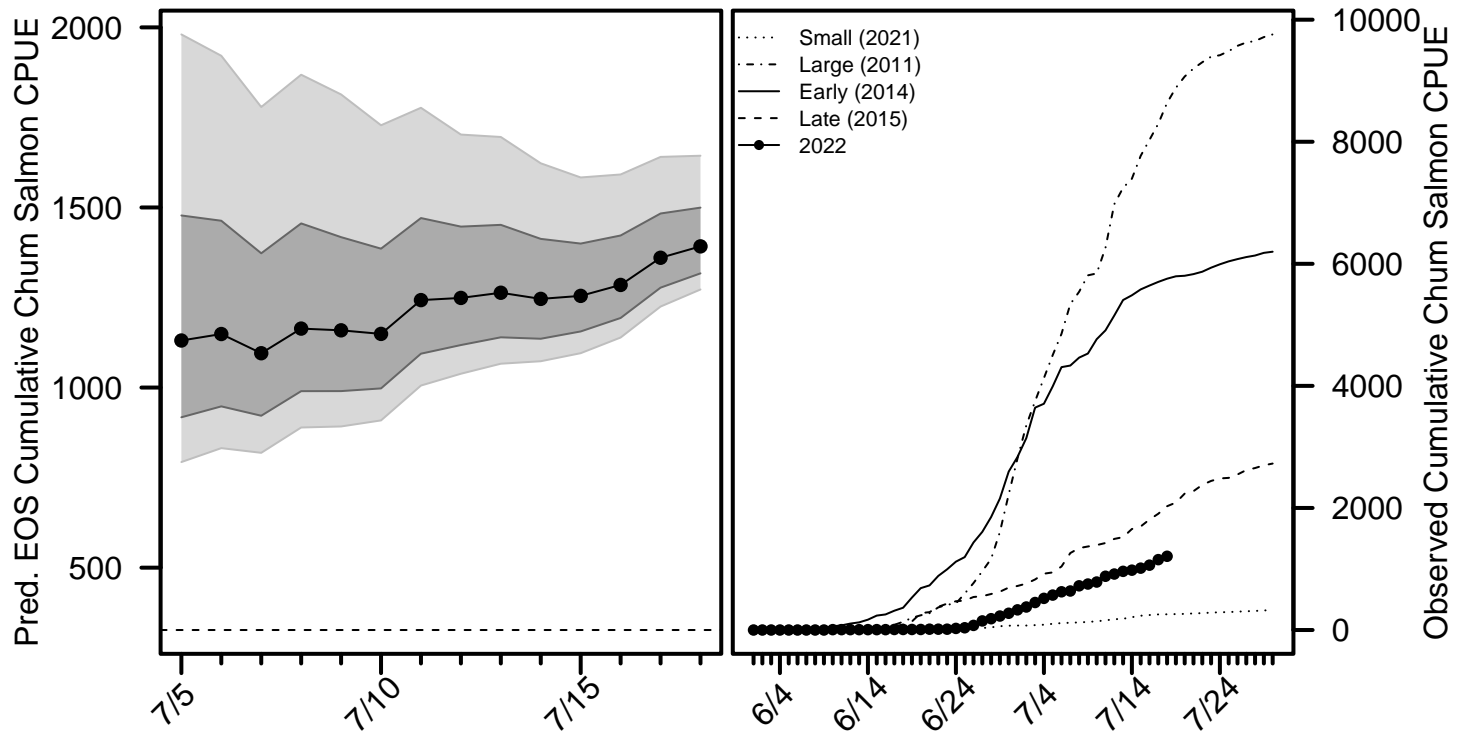
For the most up-to-date information regarding fishing opportunities please visit:

- USFWS: [https://www.fws.gov/refuge/yukon\\_delta/wildlife\\_and\\_habitat/dailyupdate.html](https://www.fws.gov/refuge/yukon_delta/wildlife_and_habitat/dailyupdate.html)
- ADF&G: <http://www.adfg.alaska.gov/index.cfm?adfg=cfnews.main>

## Chum Salmon BTF Summary (7/18)

- The BTF daily CPUE was **55**.
- The BTF cumulative CPUE is now **1,208**.
- **14%** years since 2008 fell below this cumulative CPUE on this date.
- **87%** of the run is complete based on historical average run timing.
- **80% - 92%** of the run is complete based on the central 50% of all historical run timing scenarios.
- **5% - 9%** of the run is expected to pass Bethel in the next 5 days.
- Over the last 3 days, chum salmon made up **86%** of the BTF catches, compared to **80%** on average.

**Chum Salmon Figure 1.** *Left:* predicted cumulative EOS BTF CPUE according to various run timing scenarios: central 80% (light grey band), central 50% (dark grey band), and the historical median (circles). The dashed horizontal line shows the EOS value from 2021. *Right:* The cumulative BTF CPUE from 2022 plotted along with four previous years intended to represent a range of early/late and small/large index values.



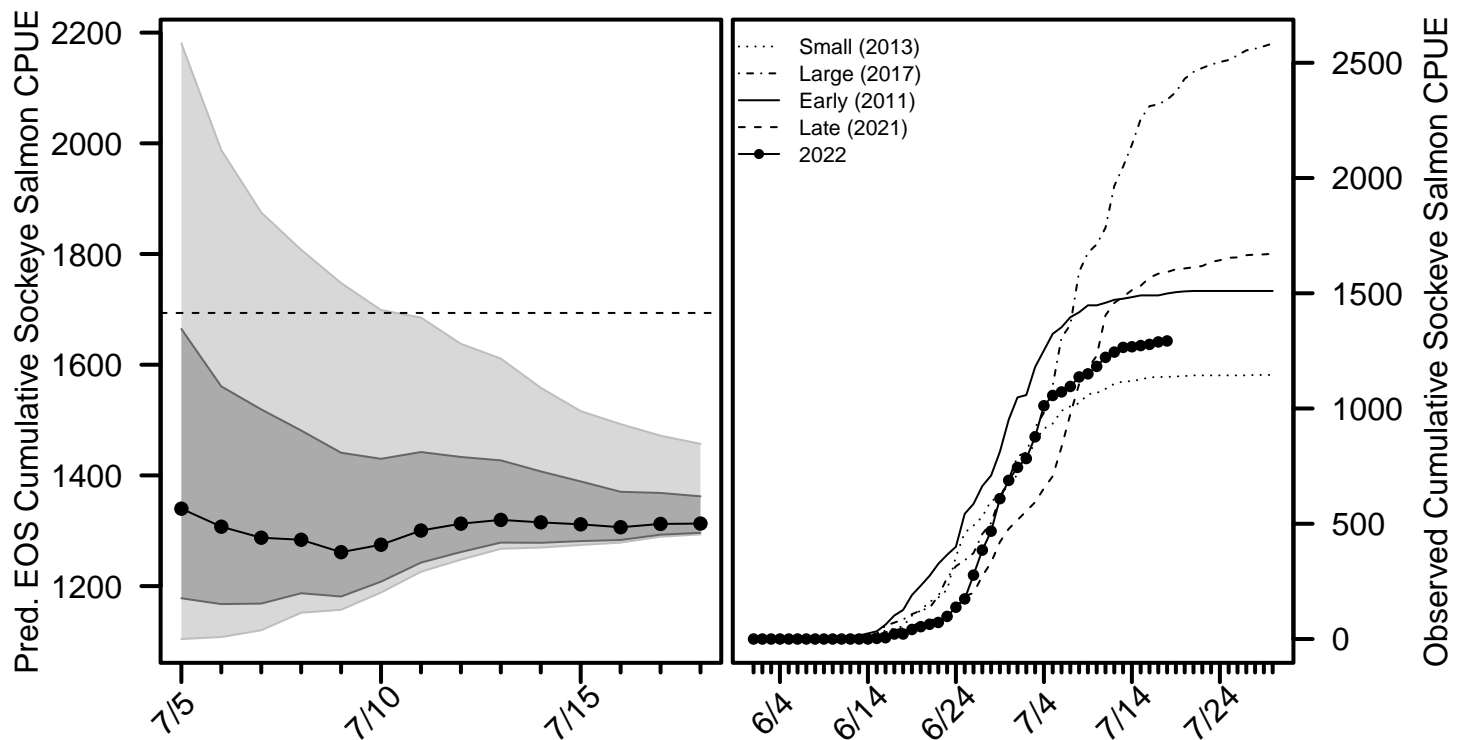
For more detailed information, see the [chum salmon appendix](#) at the end of this document.

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## Sockeye Salmon BTF Summary (7/18)

- The BTF daily CPUE was 4.
- The BTF cumulative CPUE is now **1,293**.
- **21%** years since 2008 fell below this cumulative CPUE on this date.
- **98%** of the run is complete based on historical average run timing.
- **95% - 100%** of the run is complete based on the central 50% of all historical run timing scenarios.
- **0% - 3%** of the run is expected to pass Bethel in the next 5 days.
- Over the last 3 days, sockeye salmon made up **9%** of the BTF catches, compared to **12%** on average.

**Sockeye Salmon Figure 1.** *Left:* predicted cumulative EOS BTF CPUE according to various run timing scenarios: central 80% (light grey band), central 50% (dark grey band), and the historical median (circles). The dashed horizontal line shows the EOS value from 2021. *Right:* The cumulative BTF CPUE from 2022 plotted along with four previous years intended to represent a range of early/late and small/large index values.



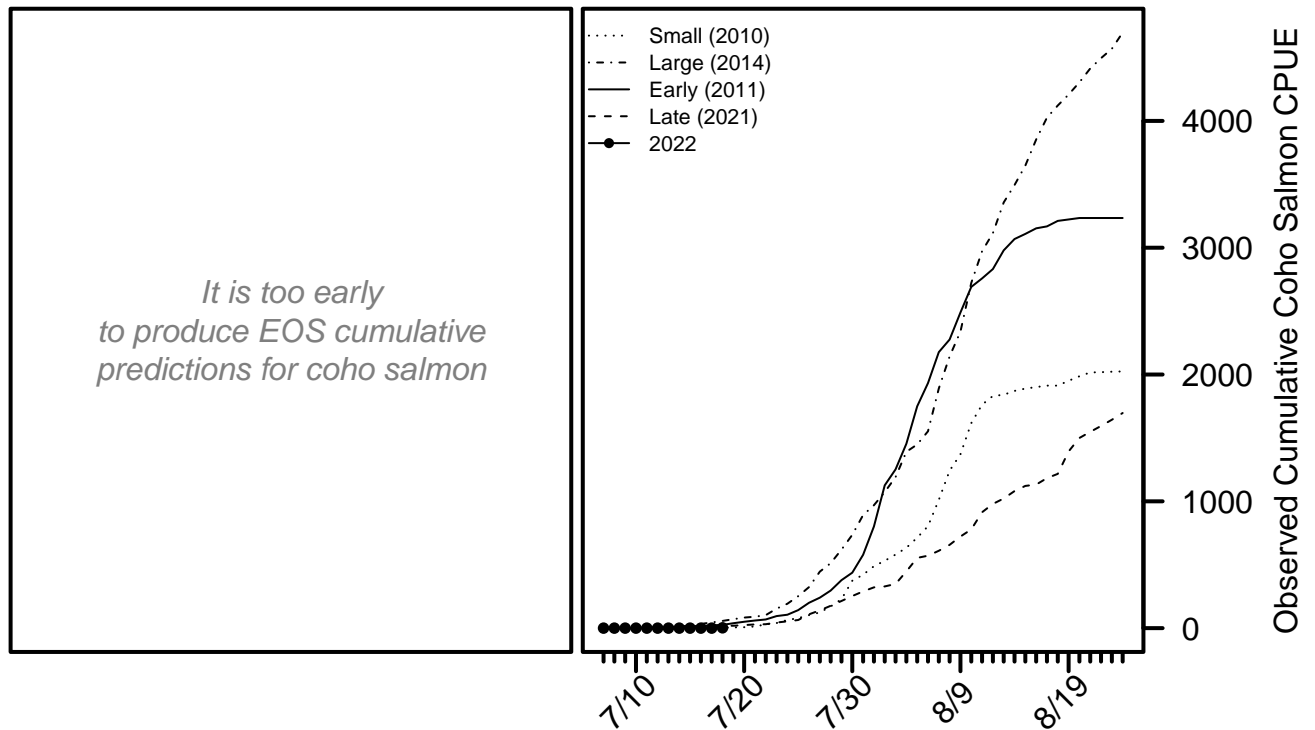
For more detailed information, see the [sockeye salmon appendix](#) at the end of this document.

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## Coho Salmon BTF Summary (7/18)

- The BTF daily CPUE was **3**.
- The BTF cumulative CPUE is now **3**.
- **7%** years since 2008 fell below this cumulative CPUE on this date.
- **<1%** of the run is complete based on historical average run timing.
- **<1%** - **1%** of the run is complete based the central 50% of all historical run timing scenarios.
- **1%** - **3%** of the run is expected to pass Bethel in the next 5 days.
- Over the last 3 days, coho salmon made up **1%** of the BTF catches, compared to **6%** on average.

**Coho Salmon Figure 1.** *Left:* will show predicted cumulative EOS BTF CPUE according to various run timing scenarios when enough data have been collected. *Right:* The cumulative BTF CPUE from 2022 plotted along with four previous years intended to represent a range of early/late and small/large index values.

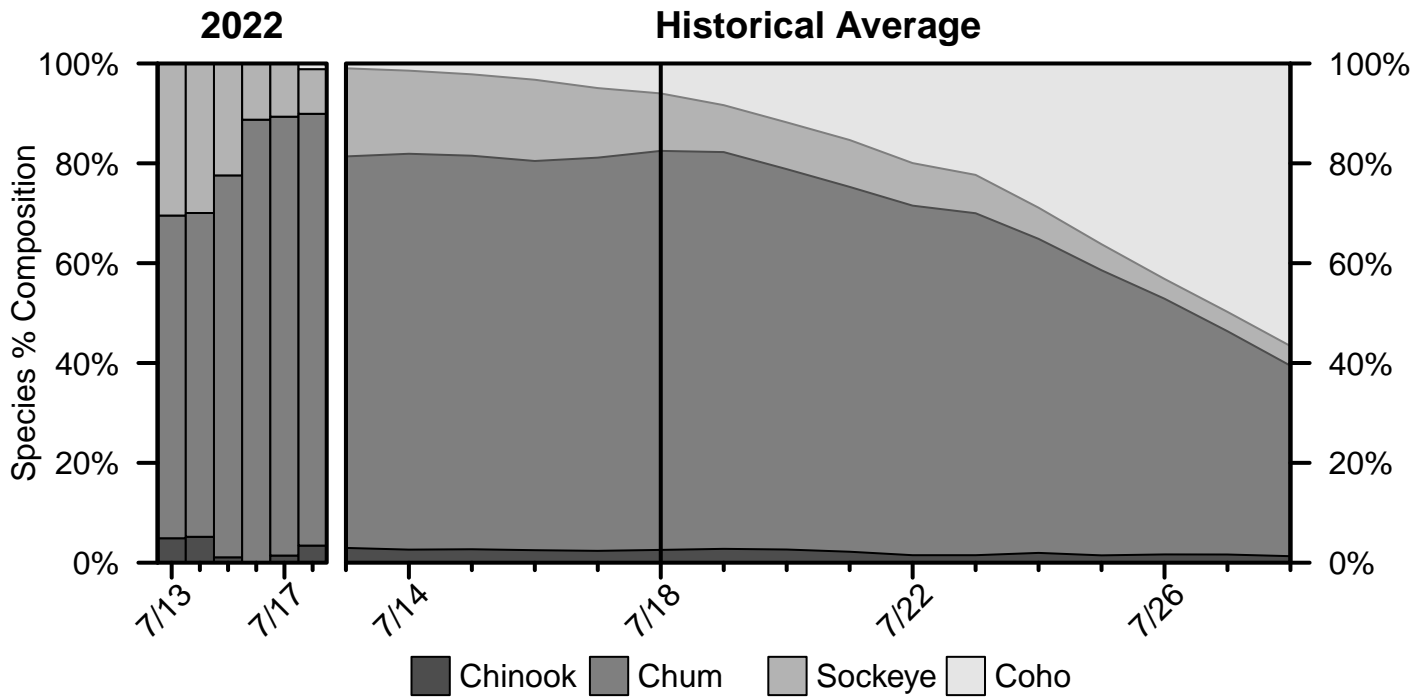


For more detailed information, see the [coho salmon appendix](#) at the end of this document.

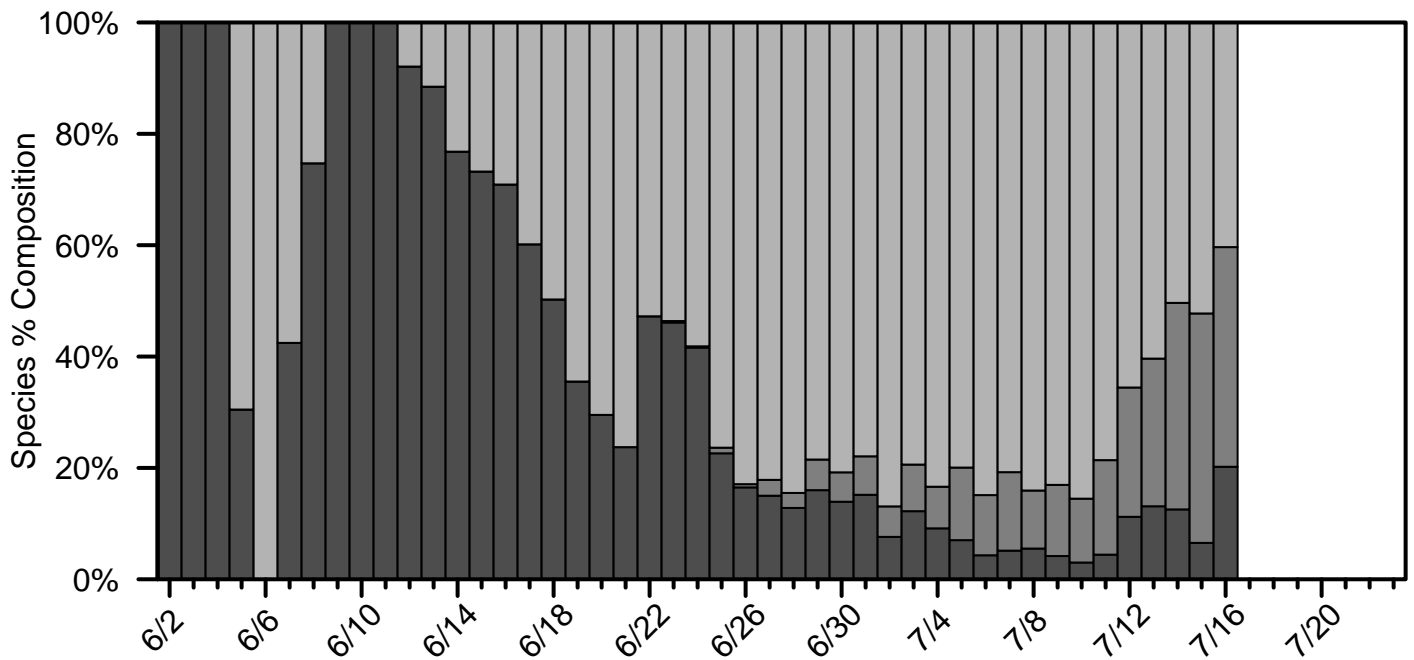
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# Percent Composition by Salmon Species

**Percent Composition Figure 1.** Species percent composition in the BTF from 2022 and based on the historical average. The composition presented on each day represents the average composition over the past 2 days.



**Species Composition Figure 2.** Species percent composition from the sonar estimates from 2022 (salmon species only, excluding pink salmon). The composition presented on each day represents the average composition over the past 3 days.

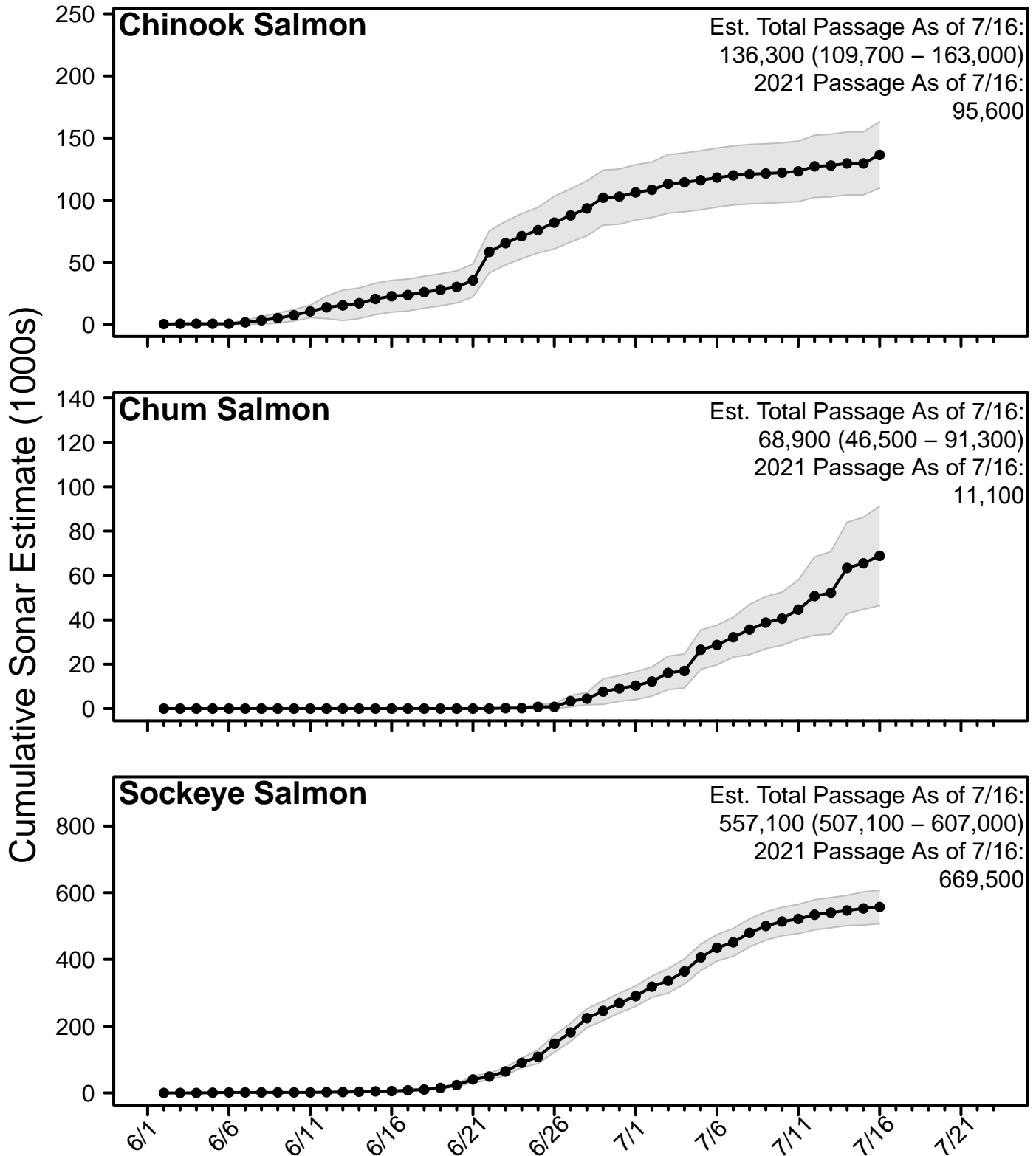


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# Sonar Passage Estimates

**Sonar Figure 1.** Cumulative estimates of salmon passage from the 2022 sonar operation through the last complete reporting day. Grey bands show the 95% confidence intervals on each complete reporting day.



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## In-Season Harvest Estimates

In-season harvest estimates are produced by combining counts of total fishing effort (usually obtained via aerial survey) and on-the-ground fisher interview information using statistically-rigorous methodology. The data collection efforts to produce these estimates is a highly collaborative effort, involving staff from ADF&G, KRITFC, ONC, and USFWS. Much more detailed information can be found on the YDNWR website ([https://www.fws.gov/refuge/yukon\\_delta/wildlife\\_and\\_habitat/dailyupdate.html](https://www.fws.gov/refuge/yukon_delta/wildlife_and_habitat/dailyupdate.html)).

In the tables below, CV stands for coefficient of variation, which is a commonly-used measure of uncertainty in the estimate (larger CV values are more uncertain).

**Harvest Table 1.** Estimated total Chinook salmon harvest within the YDNWR, excluding the section between Akiak and Aniak.

Date	Daily Harvest	Cumulative Harvest	Daily CV	Cumulative CV
6/1	30	30	0.76	0.76
6/4	80	110	0.28	0.29
6/8	120	230	0.24	0.19
6/12	4,700	4,930	0.14	0.13
6/16	7,680	12,610	0.09	0.08
6/22	14,000	26,610	0.06	0.05
6/29	580	27,190	0.19	0.05
6/30	970	28,160	0.11	0.05
7/3	660	28,820	0.15	0.04
7/9	480	29,300	0.15	0.04

**Harvest Table 2.** Estimated total chum salmon harvest within the YDNWR, excluding the section between Akiak and Aniak.

Date	Daily Harvest	Cumulative Harvest	Daily CV	Cumulative CV
6/1	0	0	0	0
6/4	0	0	0	NA
6/8	0	0	0	NA
6/12	60	60	0.42	0.42
6/16	160	220	0.29	0.24
6/22	950	1,170	0.12	0.11
6/29	270	1,440	0.22	0.1
6/30	180	1,620	0.26	0.09
7/3	300	1,920	0.22	0.08
7/9	1,730	3,650	0.12	0.07

**Harvest Table 3.** Estimated total sockeye salmon harvest within the YDNWR, excluding the section between Akiak and Aniak.

Date	Daily Harvest	Cumulative Harvest	Daily CV	Cumulative CV
6/1	0	0	0	0
6/4	0	0	0	NA
6/8	20	20	0.54	0.54
6/12	360	380	0.18	0.17
6/16	1,920	2,300	0.25	0.21
6/22	13,720	16,020	0.08	0.07
6/29	2,660	18,680	0.16	0.07
6/30	1,270	19,950	0.23	0.07
7/3	1,160	21,110	0.27	0.06
7/9	3,730	24,840	0.09	0.06

## Chinook Salmon Appendix

\*\*\* The BTF daily CPUE was **5** (cumulative: **486**).

\*\*\* The table below shows cumulative CPUE from the BTF from 2022 and in previous years.

Date	2022	2021	2020	2019	2018	5-Yr Avg.	2008 - 2021 Avg.
<b>7/15</b>	479	517	462	825	637	557	542
<b>7/16</b>	479	523	469	828	640	561	545
<b>7/17</b>	482	527	474	830	643	564	548
<b>7/18</b>	<b>486</b>	<b>527</b>	<b>476</b>	<b>833</b>	<b>648</b>	<b>567</b>	<b>551</b>
<b>EOS</b>		532	487	848	667	582	566

\*\*\* If the run ended on 7/18, 50% of the run would have passed BTF on **6/24**, which is **1 day later** than average.

\*\*\* The ATF ended operations on 7/12 with an EOS cumulative CPUE value of 1,277 for Chinook salmon, which was below the 2015-2021 average EOS cumulative CPUE of 2,609.

\*\*\* The cumulative Chinook salmon passage (95% CI) at the sonar, as of **7/16**, is **136,300 (109,700 - 163,000)** fish.

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## Chum Salmon Appendix

**Chum Salmon Table A1.** Cumulative CPUE from the BTF.

Date	2022	2021	2020	2019	2018	5-Yr Avg.	2008 - 2021 Avg.
<b>7/15</b>	1,014	234	1,020	3,115	6,412	3,301	4,386
<b>7/16</b>	1,063	246	1,055	3,336	6,794	3,441	4,519
<b>7/17</b>	1,153	256	1,131	3,683	7,046	3,612	4,659
<b>7/18</b>	<b>1,208</b>	<b>257</b>	<b>1,156</b>	<b>3,985</b>	<b>7,220</b>	<b>3,735</b>	<b>4,812</b>
<b>7/19</b>		261	1,176	4,170	7,259	3,816	4,924
<b>7/20</b>		264	1,187	4,382	7,270	3,868	5,010
<b>7/21</b>		271	1,196	4,505	7,312	3,913	5,093
<b>EOS</b>		327	1,442	6,427	8,212	4,639	5,832

**Chum Salmon Table A2.** Percent of run complete according to various historical run timing scenarios from the BTF.

Timing	Midpoint	7/18 Cumulative %
<b>Earliest</b>	6/23	97%
<b>Early 10%</b>	7/1	95%
<b>Early 25%</b>	7/3	92%
<b>Median</b>	7/6	87%
<b>Late 25%</b>	7/8	80%
<b>Late 10%</b>	7/11	74%
<b>Latest</b>	7/15	66%

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The ATF ended operations on 7/12 with an EOS cumulative CPUE value of 940 for chum salmon, which was below the 2015-2021 average EOS cumulative CPUE of 5,134.

## Sockeye Salmon Appendix

**Sockeye Salmon Table A1.** Cumulative CPUE from the BTF.

Date	2022	2021	2020	2019	2018	5-Yr Avg.	2008 - 2021 Avg.
<b>7/15</b>	1,273	1,533	904	2,020	1,689	1,680	1,527
<b>7/16</b>	1,278	1,568	923	2,070	1,724	1,719	1,550
<b>7/17</b>	1,289	1,585	949	2,156	1,795	1,761	1,578
<b>7/18</b>	<b>1,293</b>	<b>1,592</b>	<b>967</b>	<b>2,217</b>	<b>1,841</b>	<b>1,791</b>	<b>1,597</b>
<b>7/19</b>		1,604	976	2,283	1,909	1,829	1,618
<b>7/20</b>		1,608	985	2,337	1,924	1,857	1,634
<b>7/21</b>		1,613	988	2,385	1,933	1,876	1,646
<b>EOS</b>		1,694	1,060	2,685	2,275	2,080	1,773

**Sockeye Salmon Table A2.** Percent of run complete according to various historical run timing scenarios from the BTF.

Timing	Midpoint	7/18 Cumulative %
<b>Earliest</b>	6/22	100%
<b>Early 10%</b>	6/24	100%
<b>Early 25%</b>	6/27	100%
<b>Median</b>	6/29	99%
<b>Late 25%</b>	7/2	95%
<b>Late 10%</b>	7/6	89%
<b>Latest</b>	7/10	79%

The ATF ended operations on 7/12 with an EOS cumulative CPUE value of 129 for sockeye salmon, which was below the 2017-2020 average EOS cumulative CPUE of 159.

# Coho Salmon Appendix

Coho Salmon Table A1. Cumulative CPUE from the BTF.

Date	2022	2021	2020	2019	2018	5-Yr Avg.	2008 - 2021 Avg.
<b>7/15</b>	0	17	3	4	0	5	8
<b>7/16</b>	0	17	5	5	0	6	13
<b>7/17</b>	0	17	5	5	0	6	17
<b>7/18</b>	<b>3</b>	<b>19</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>7</b>	<b>22</b>
<b>7/19</b>		19	5	5	0	8	30
<b>7/20</b>		24	5	13	0	11	39
<b>7/21</b>		29	5	19	0	15	53
<b>EOS</b>		1,696	1,822	1,801	901	1,893	2,923

Coho Salmon Table A2. Percent of run complete according to various historical run timing scenarios from the BTF.

Timing	Midpoint	7/18 Cumulative %
<b>Earliest</b>	7/29	3%
<b>Early 10%</b>	8/4	2%
<b>Early 25%</b>	8/6	1%
<b>Median</b>	8/8	<1%
<b>Late 25%</b>	8/11	<1%
<b>Late 10%</b>	8/13	<1%
<b>Latest</b>	8/15	<1%

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<b>George River Weir - Chinook Salmon (7/19/2022 8:01:19 PM).....</b>	<b>3</b>
<b>KogrukluK River Weir - Chinook Salmon (7/19/2022 8:01:28 PM).....</b>	<b>4</b>
<b>Takotna River Weir - Chinook Salmon (7/19/2022 8:01:36 PM).....</b>	<b>5</b>
<b>Salmon River (Pitka Fork) Weir - Chinook Salmon (7/19/2022 8:01:44 PM).....</b>	<b>6</b>
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<b>KogrukluK River Weir - Chum Salmon (7/19/2022 8:02:25 PM).....</b>	<b>10</b>
<b>Takotna River Weir - Chum Salmon (7/19/2022 8:02:35 PM).....</b>	<b>11</b>
<b>Kwethluk River Weir - Sockeye Salmon (7/19/2022 8:02:44 PM).....</b>	<b>12</b>
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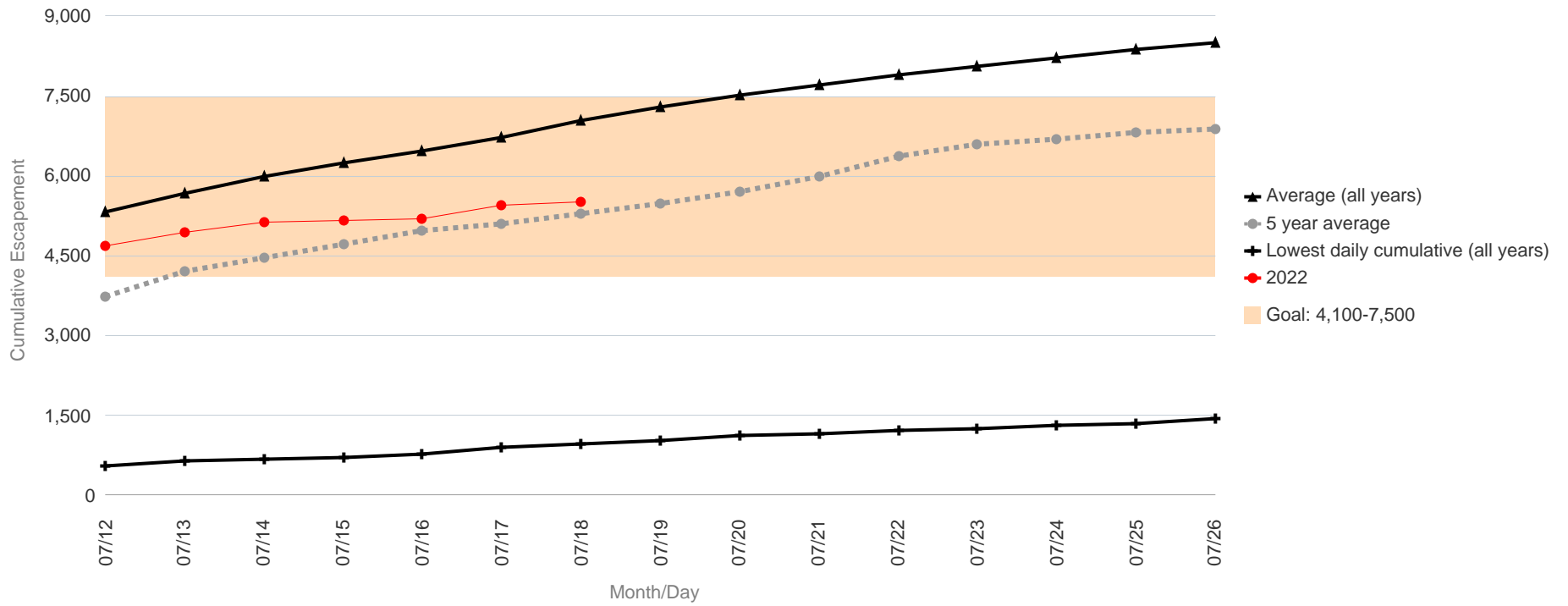
## Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 4,100 to 7,500

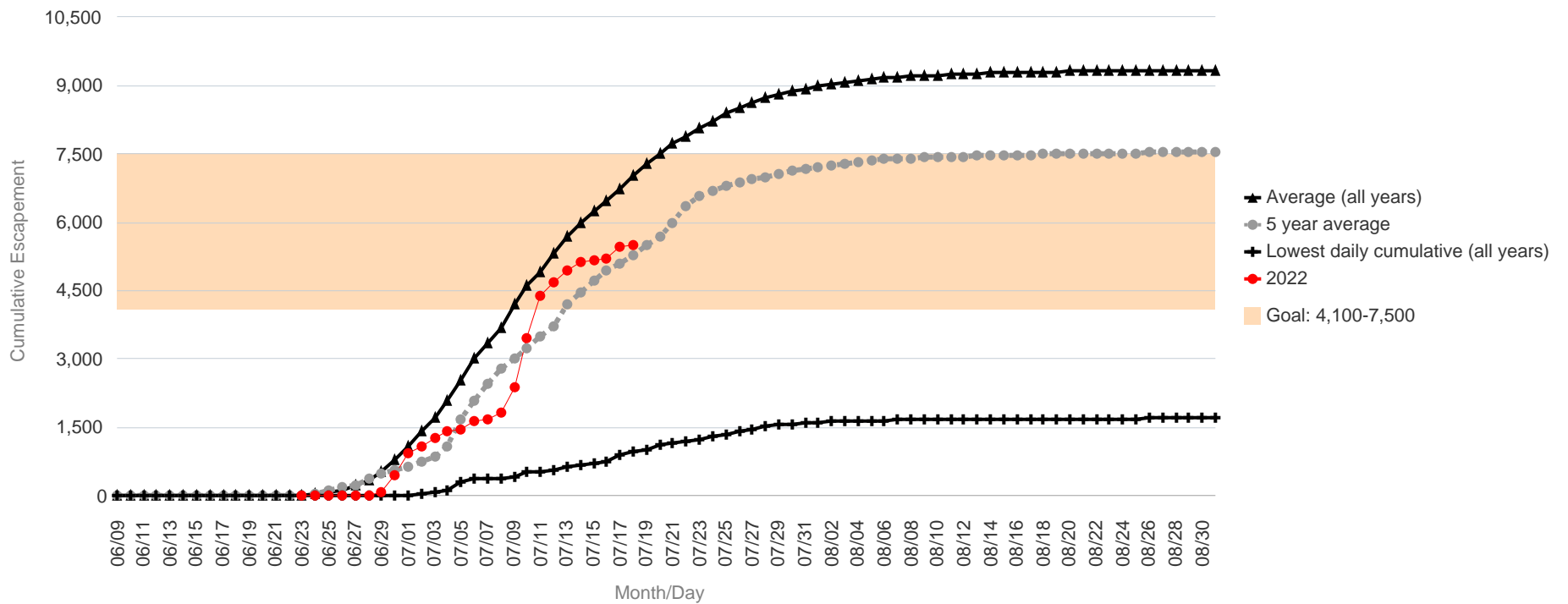
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	557	5,312	3,728	4,690
07/13	638	5,683	4,209	4,934
07/14	668	5,982	4,466	5,127
07/15	699	6,238	4,709	5,162
07/16	763	6,469	4,956	5,207
07/17	897	6,715	5,098	5,450
07/18	970	7,043	5,287	5,512
07/19	1,021	7,297	5,494	
07/20	1,107	7,525	5,701	
07/21	1,166	7,720	5,998	
07/22	1,207	7,885	6,369	
07/23	1,249	8,068	6,595	
07/24	1,308	8,223	6,684	
07/25	1,354	8,383	6,803	
07/26	1,428	8,507	6,877	

	Lowest Count	Average Count	5 Year Average
Season Total	1,716	9,334	7,540

### Focused Two-Week Data View



### Season Total Overview



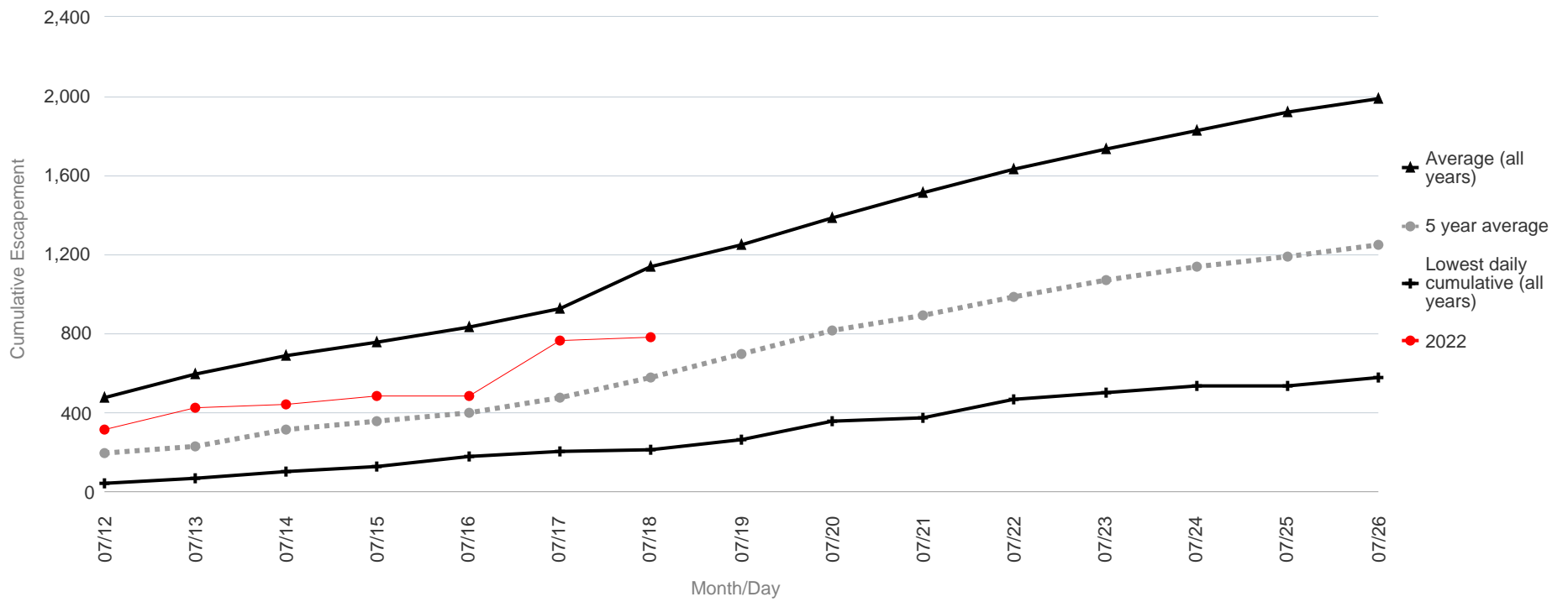


### Salmon River (Aniak) Salmon Monitoring Project Passage of Chinook Salmon

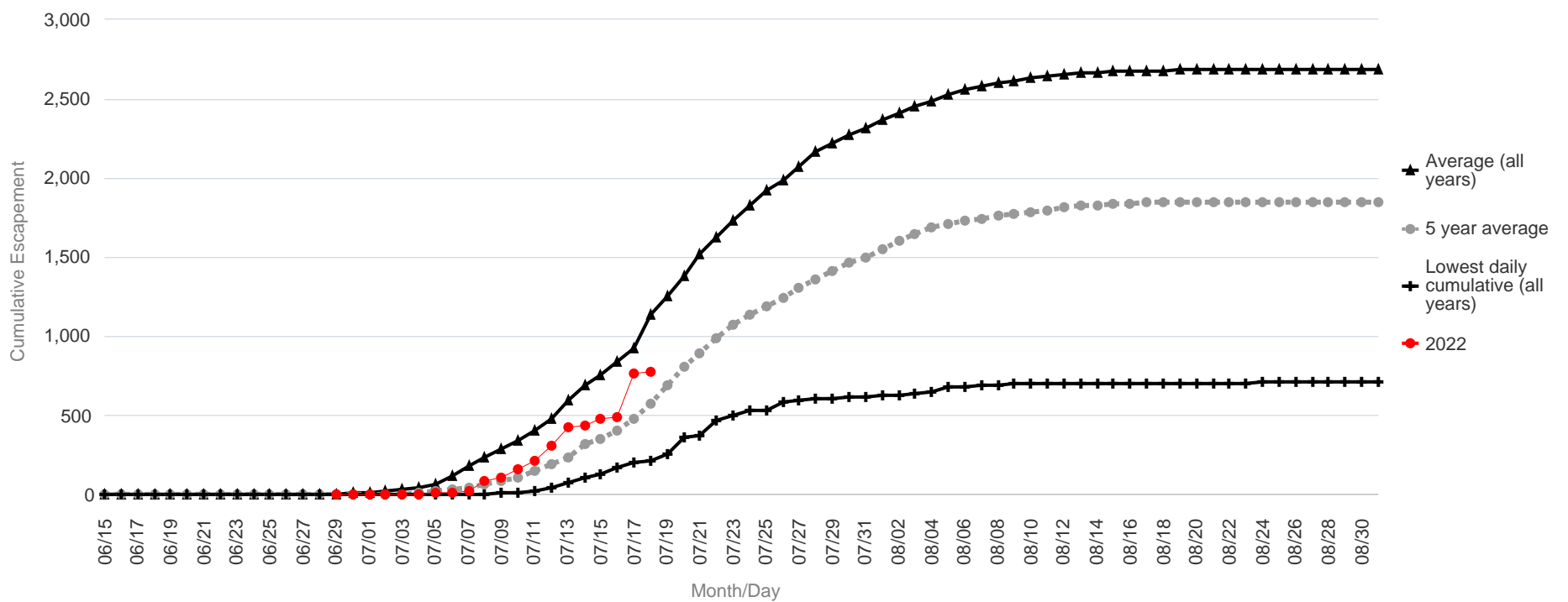
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	46	480	194	313
07/13	72	594	231	429
07/14	106	693	316	441
07/15	128	757	357	484
07/16	177	836	404	486
07/17	202	926	474	764
07/18	216	1,141	577	780
07/19	261	1,250	697	
07/20	359	1,384	813	
07/21	371	1,515	894	
07/22	466	1,629	990	
07/23	500	1,731	1,070	
07/24	534	1,825	1,138	
07/25	537	1,918	1,194	
07/26	583	1,985	1,246	

	Lowest Count	Average Count	5 Year Average
Season Total	711	2,686	1,849

#### Focused Two-Week Data View



#### Season Total Overview



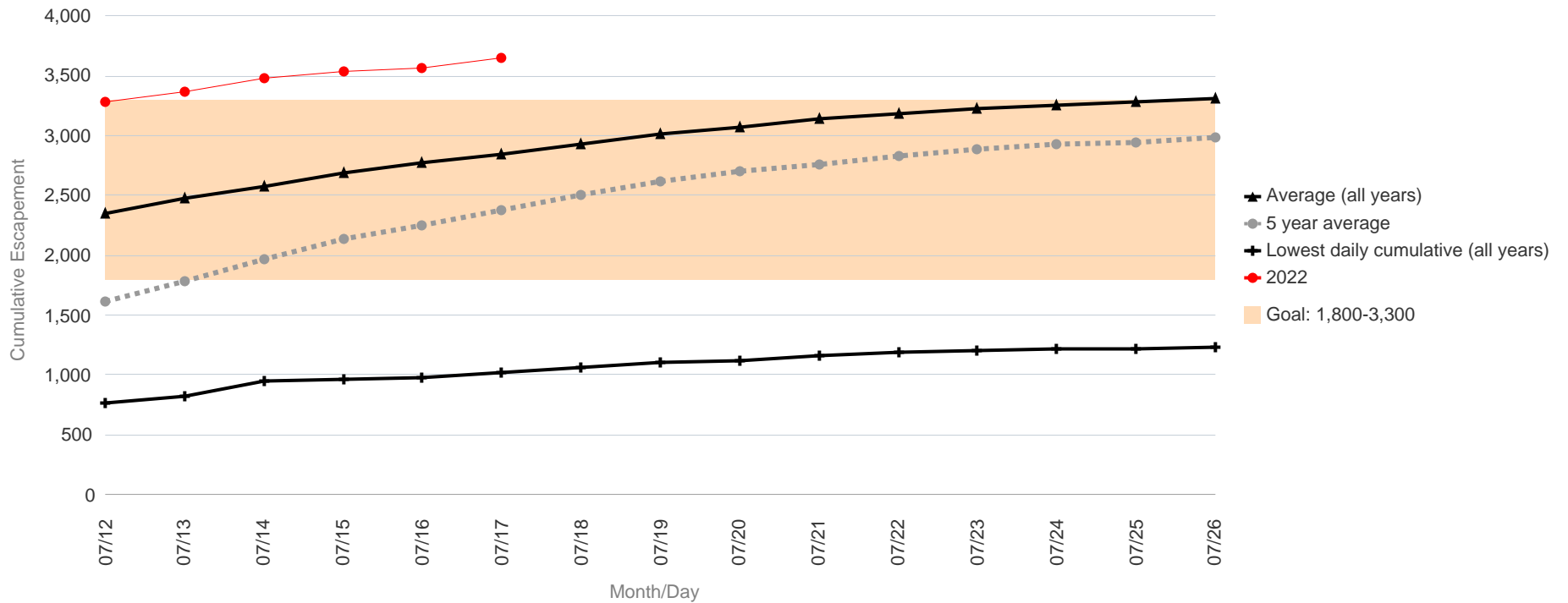
## George River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 1,800 to 3,300

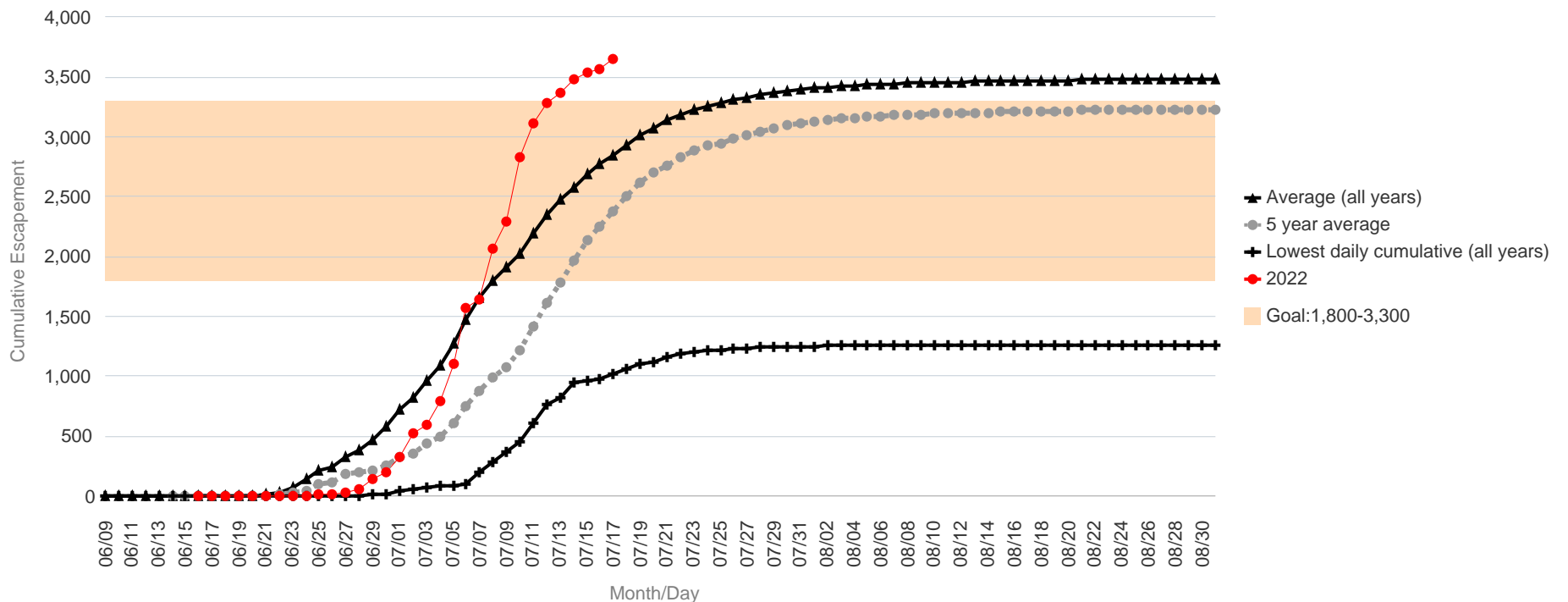
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	767	2,355	1,618	3,285
07/13	820	2,474	1,790	3,367
07/14	944	2,578	1,962	3,485
07/15	960	2,684	2,141	3,536
07/16	985	2,769	2,252	3,570
07/17	1,017	2,853	2,374	3,655
07/18	1,065	2,928	2,504	
07/19	1,101	3,010	2,618	
07/20	1,127	3,078	2,706	
07/21	1,168	3,141	2,762	
07/22	1,189	3,181	2,826	
07/23	1,205	3,228	2,884	
07/24	1,215	3,258	2,928	
07/25	1,226	3,286	2,951	
07/26	1,235	3,310	2,981	

	Lowest Count	Average Count	5 Year Average
Season Total	1,267	3,480	3,231

### Focused Two-Week Data View



### Season Total Overview



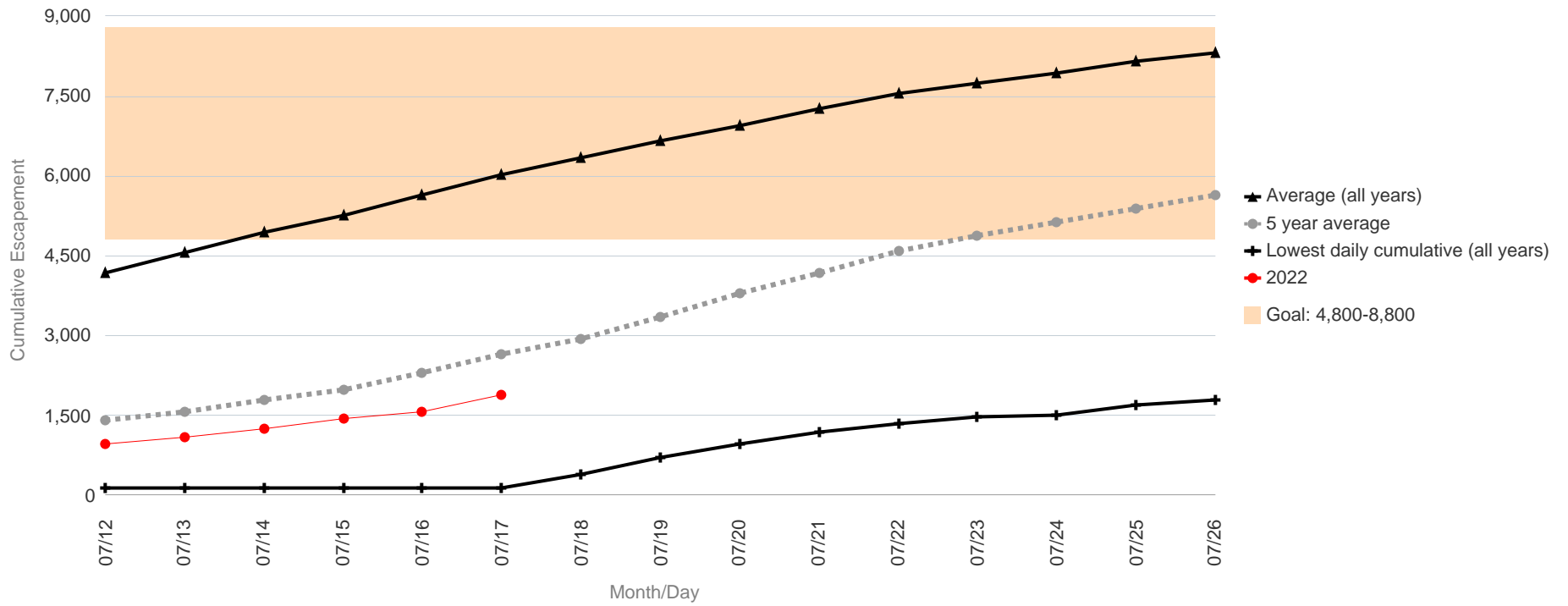
## Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 4,800 to 8,800

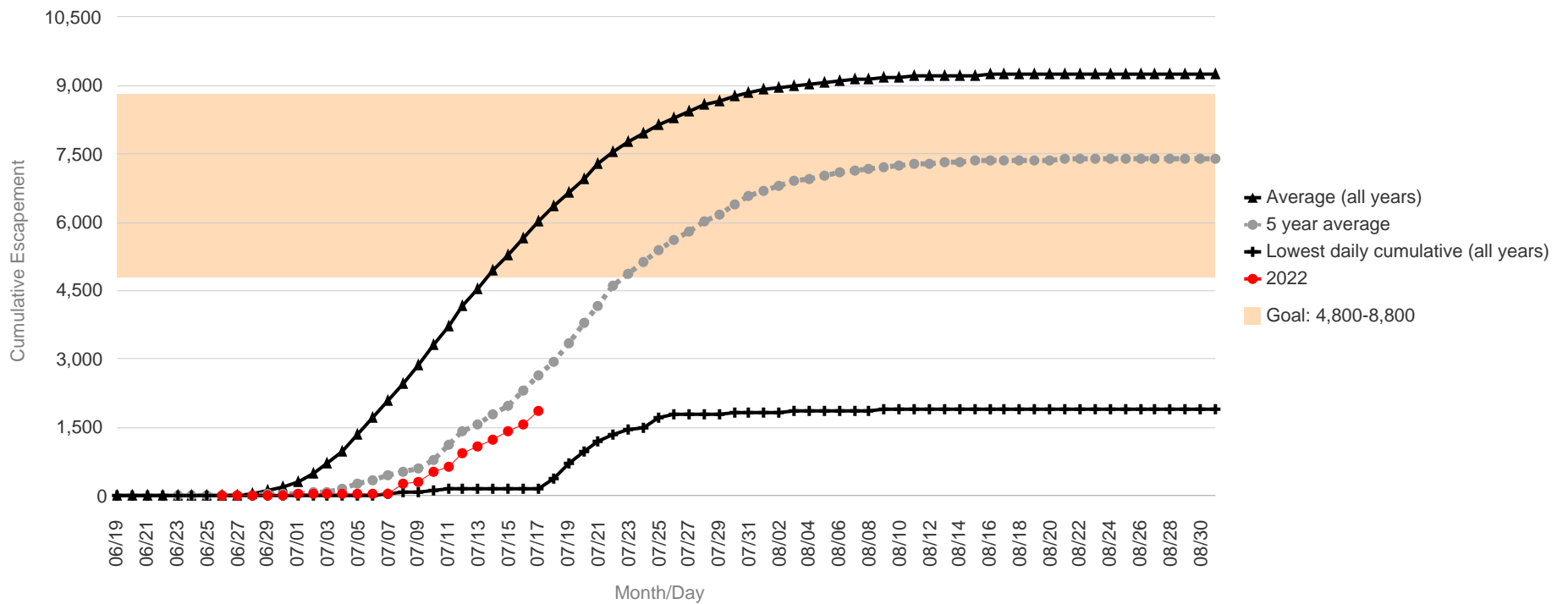
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	145	4,168	1,416	949
07/13	145	4,548	1,580	1,073
07/14	145	4,940	1,780	1,236
07/15	145	5,273	1,984	1,430
07/16	145	5,652	2,310	1,564
07/17	145	6,009	2,660	1,874
07/18	374	6,348	2,930	
07/19	703	6,663	3,359	
07/20	967	6,957	3,788	
07/21	1,192	7,279	4,176	
07/22	1,354	7,539	4,605	
07/23	1,467	7,750	4,878	
07/24	1,507	7,942	5,139	
07/25	1,705	8,139	5,393	
07/26	1,775	8,298	5,626	

	Lowest Count	Average Count	5 Year Average
Season Total	1,919	9,270	7,401

### Focused Two-Week Data View



### Season Total Overview

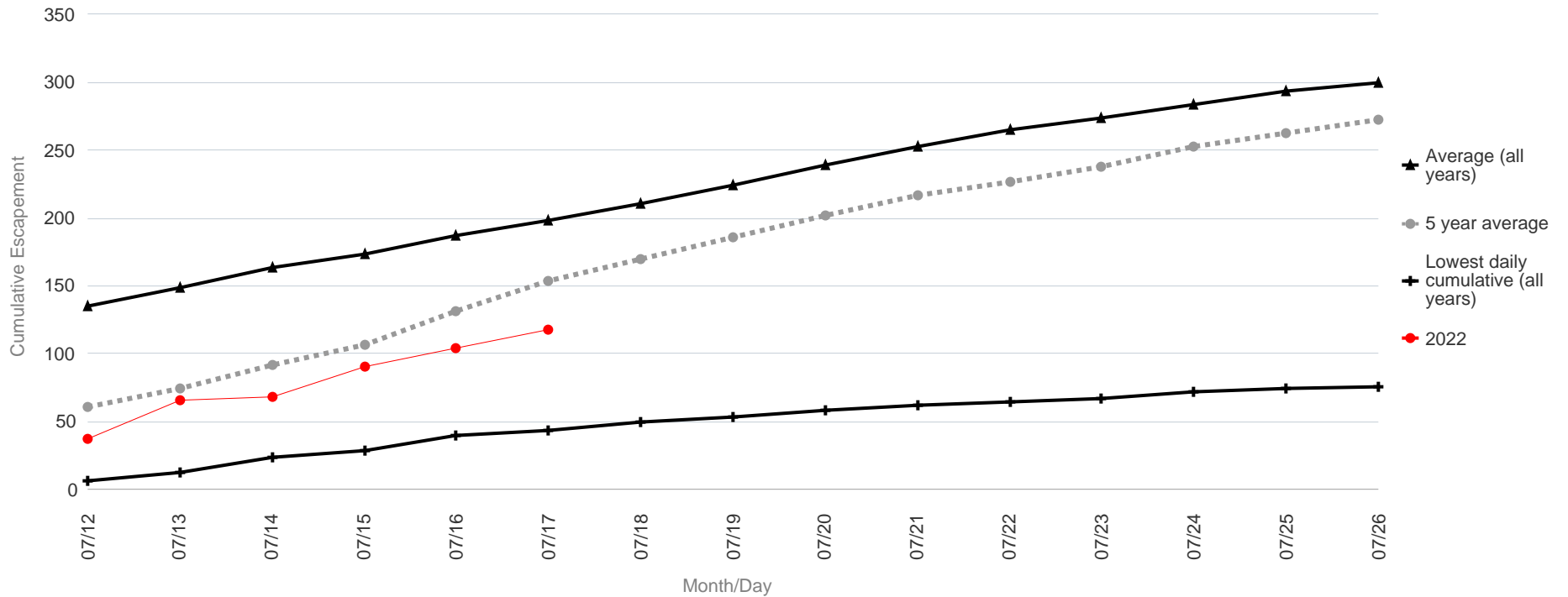


### Takotna River Salmon Monitoring Project Passage of Chinook Salmon

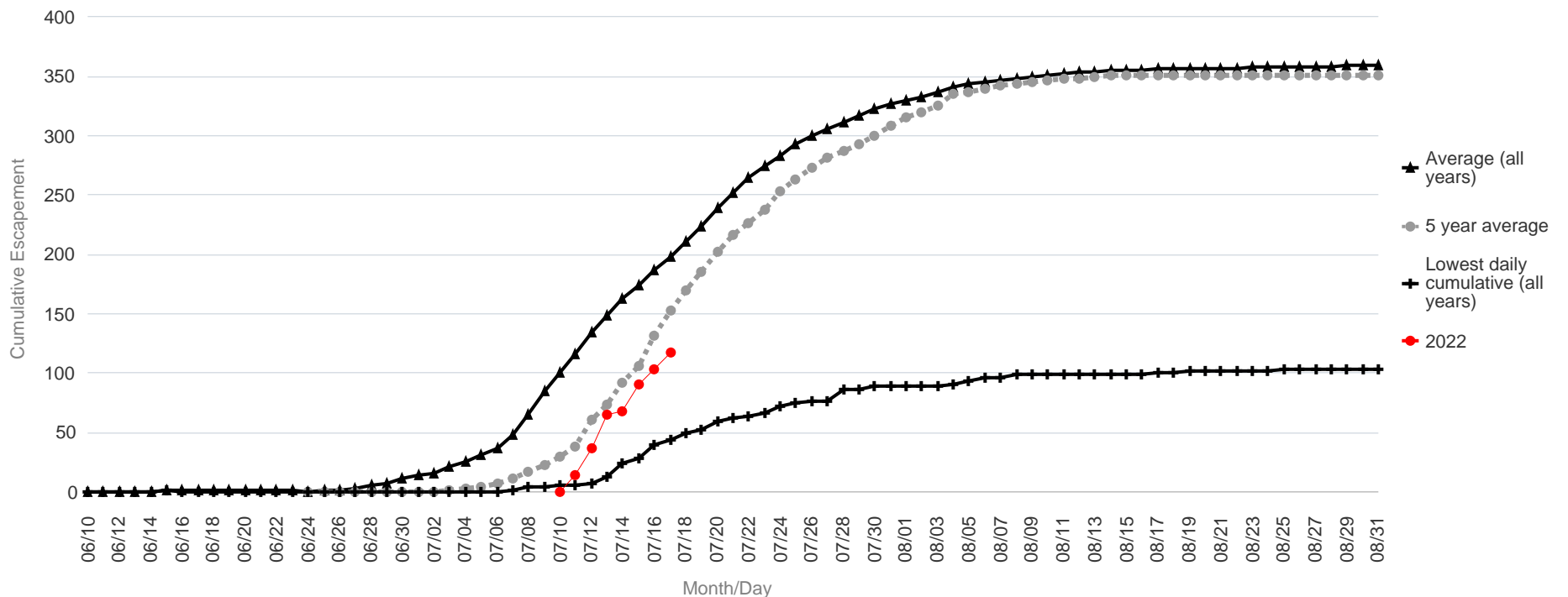
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	7	135	60	37
07/13	13	149	74	66
07/14	24	163	92	68
07/15	29	174	107	91
07/16	40	187	131	104
07/17	44	199	153	118
07/18	50	211	170	
07/19	53	224	186	
07/20	59	239	202	
07/21	62	253	217	
07/22	64	265	227	
07/23	67	274	238	
07/24	72	284	253	
07/25	75	294	263	
07/26	76	300	273	

	Lowest Count	Average Count	5 Year Average
Season Total	104	360	351

#### Focused Two-Week Data View



#### Season Total Overview

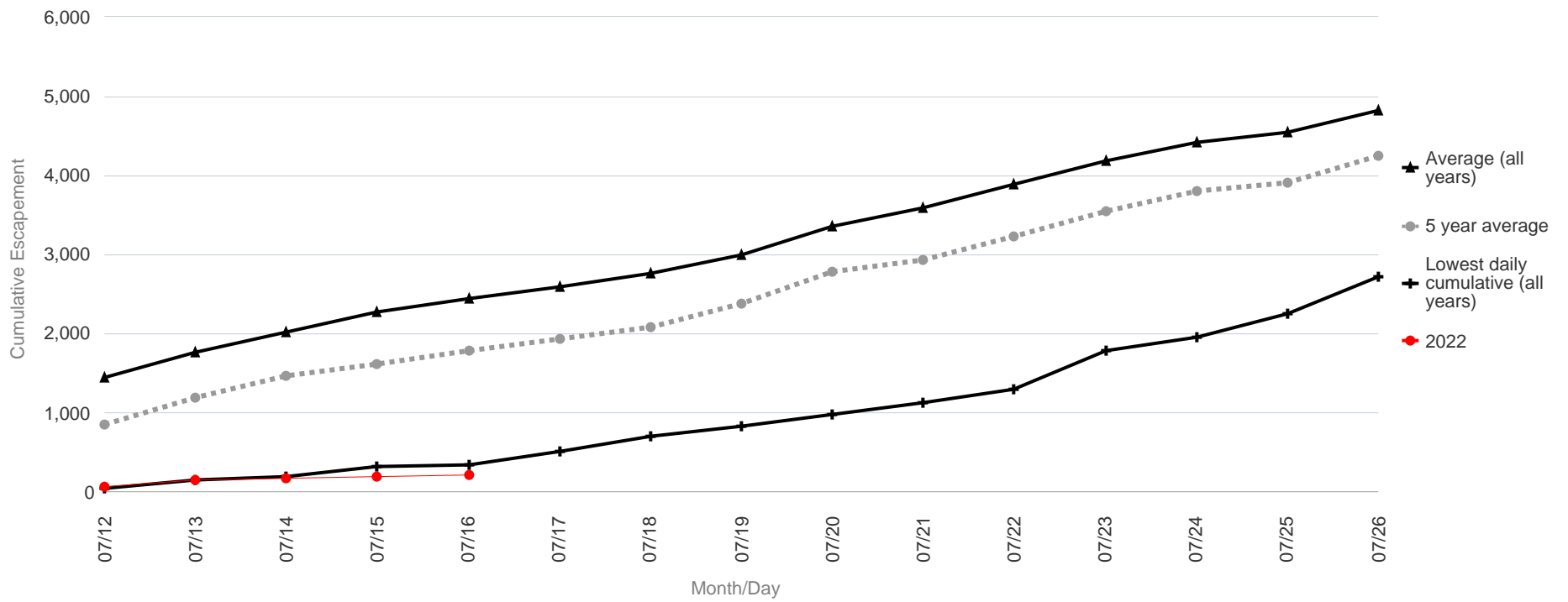


### Salmon River (Pitka Fork) Salmon Monitoring Project Passage of Chinook Salmon

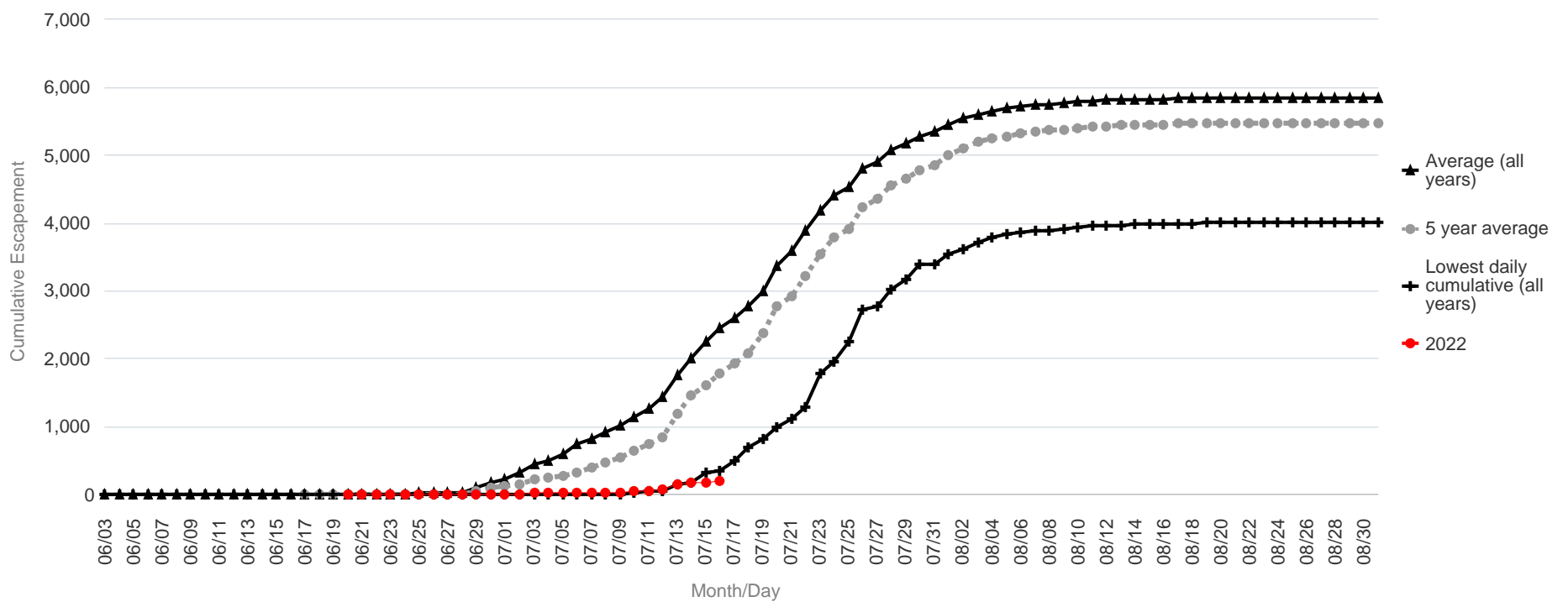
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	56	1,450	850	67
07/13	154	1,773	1,193	149
07/14	185	2,014	1,460	178
07/15	316	2,269	1,613	186
07/16	349	2,454	1,795	206
07/17	511	2,602	1,925	
07/18	697	2,771	2,090	
07/19	824	3,006	2,380	
07/20	983	3,364	2,783	
07/21	1,120	3,596	2,931	
07/22	1,291	3,895	3,226	
07/23	1,789	4,188	3,545	
07/24	1,962	4,419	3,793	
07/25	2,253	4,538	3,912	
07/26	2,716	4,817	4,248	

	Lowest Count	5 Year Average	Average Count
Season Total	4,014	5,474	5,846

#### Focused Two-Week Data View



#### Season Total Overview

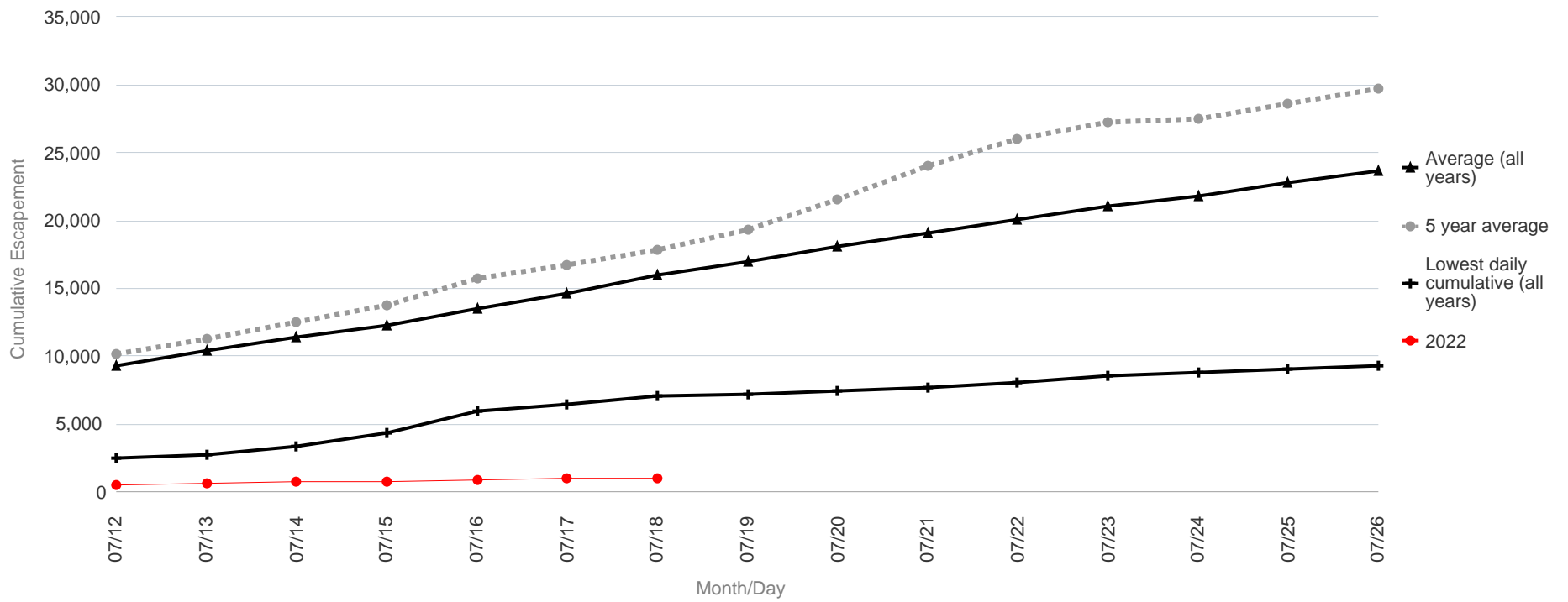


### Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

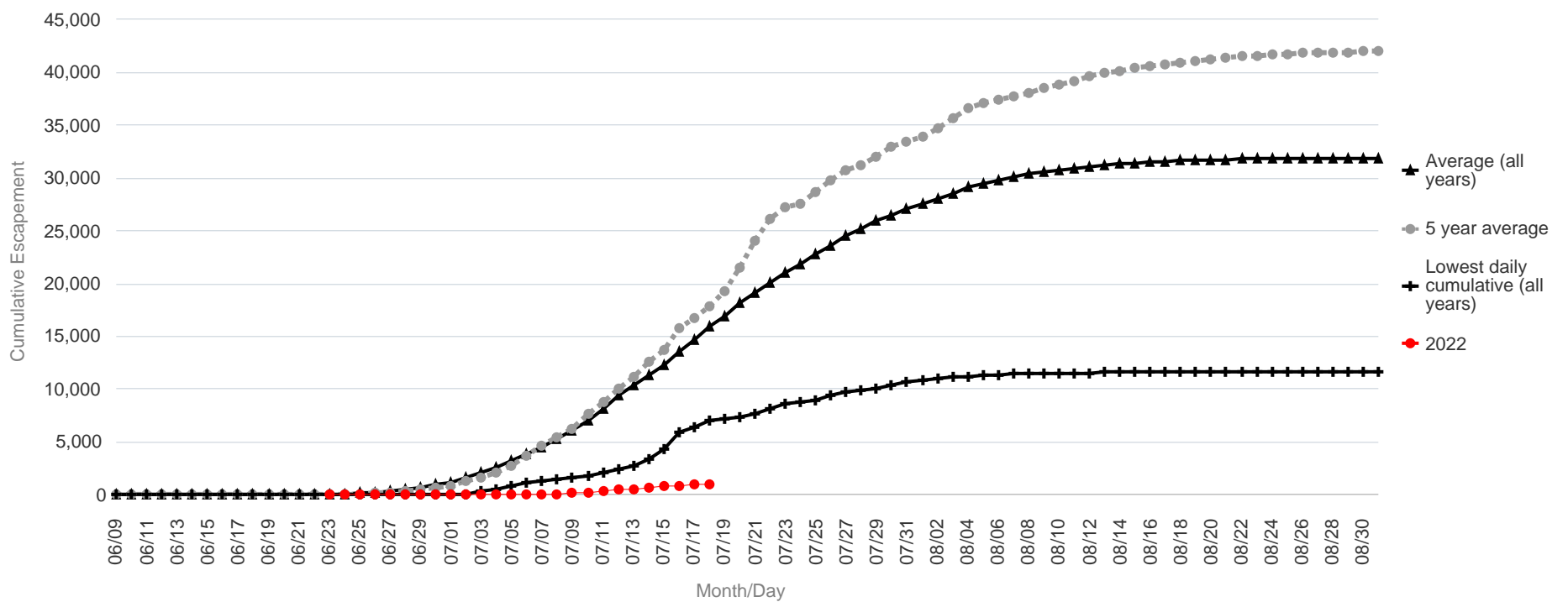
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	2,442	9,353	10,121	510
07/13	2,769	10,431	11,249	585
07/14	3,385	11,408	12,572	712
07/15	4,386	12,337	13,787	786
07/16	5,937	13,556	15,735	847
07/17	6,461	14,642	16,729	961
07/18	7,027	15,973	17,814	1,030
07/19	7,245	16,961	19,303	
07/20	7,418	18,100	21,562	
07/21	7,701	19,109	23,993	
07/22	8,122	20,024	26,075	
07/23	8,590	21,015	27,219	
07/24	8,807	21,838	27,499	
07/25	9,015	22,767	28,653	
07/26	9,346	23,618	29,719	

	Lowest Count	Average Count	5 Year Average
Season Total	11,691	31,977	42,166

#### Focused Two-Week Data View



#### Season Total Overview

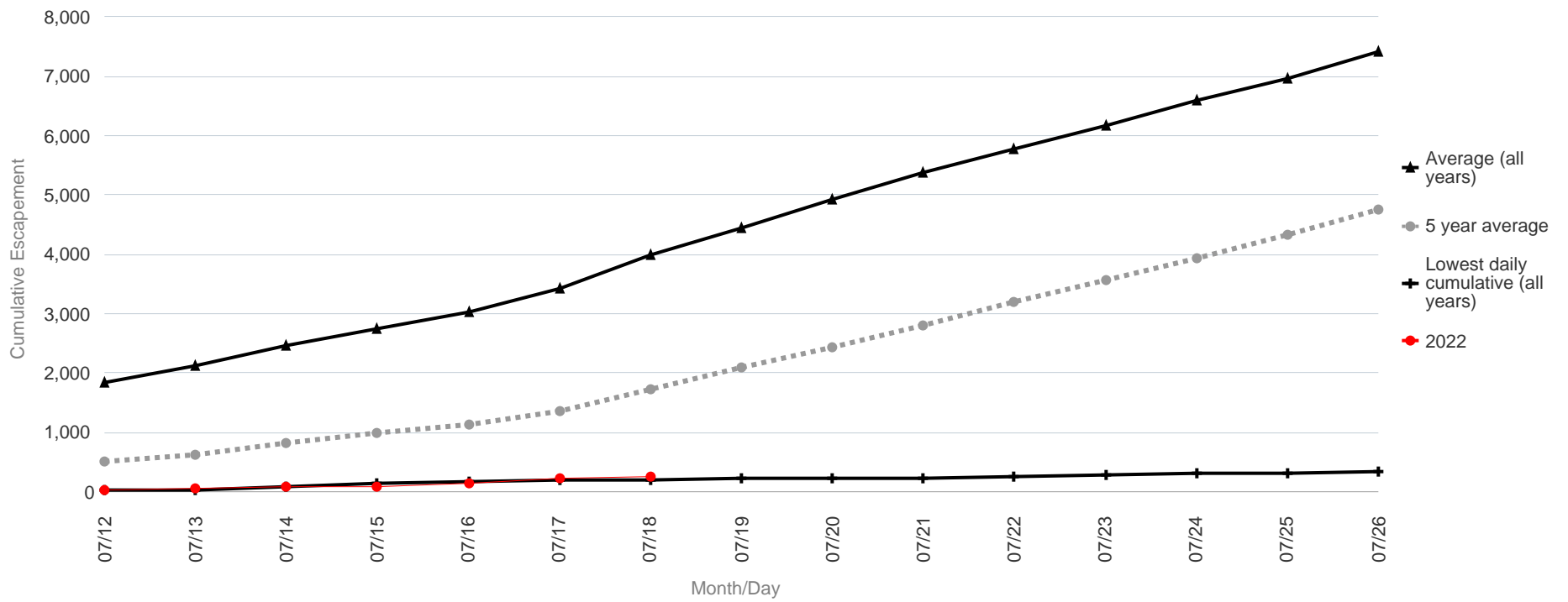


### Salmon River (Aniak) Salmon Monitoring Project Passage of Chum Salmon

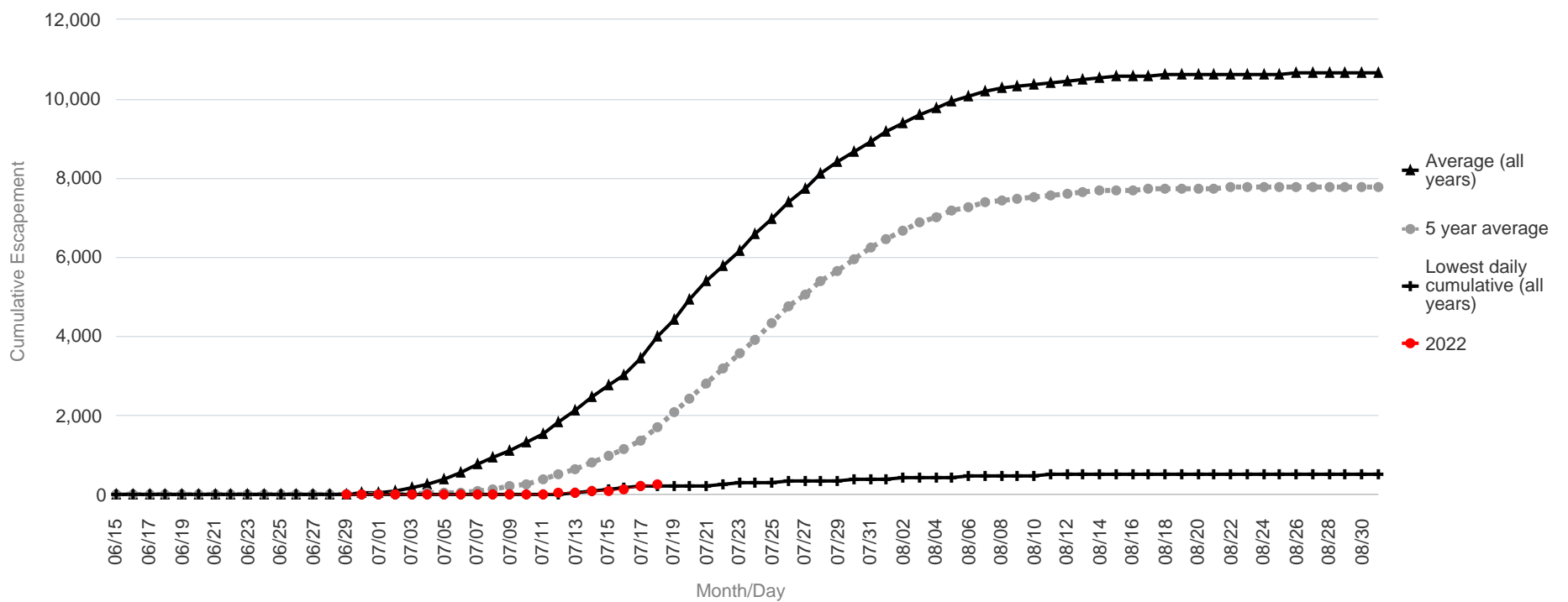
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	21	1,833	512	30
07/13	39	2,140	637	51
07/14	83	2,474	815	79
07/15	135	2,763	989	104
07/16	183	3,034	1,134	148
07/17	204	3,441	1,351	235
07/18	209	4,001	1,724	269
07/19	218	4,442	2,088	
07/20	225	4,935	2,444	
07/21	239	5,386	2,820	
07/22	269	5,787	3,200	
07/23	287	6,177	3,565	
07/24	308	6,590	3,931	
07/25	323	6,971	4,341	
07/26	338	7,412	4,773	

	Lowest Count	Average Count	5 Year Average
Season Total	537	10,643	7,764

#### Focused Two-Week Data View



#### Season Total Overview

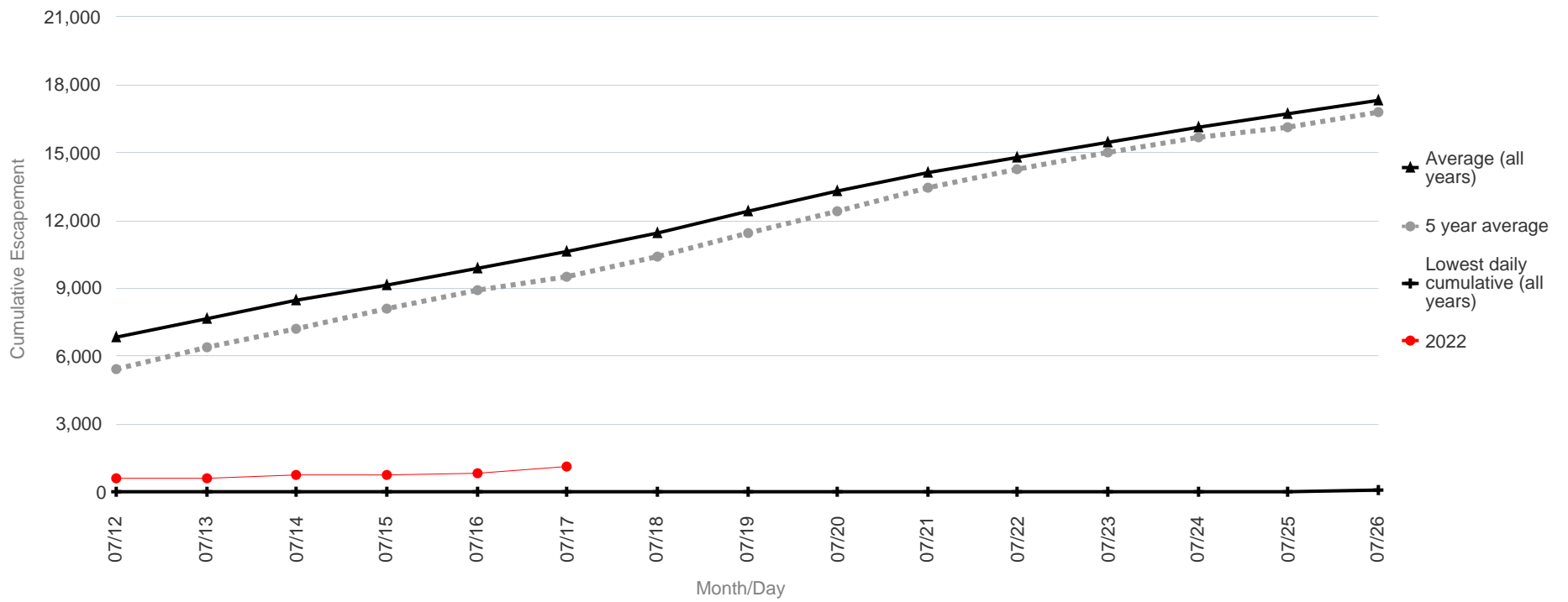


### George River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

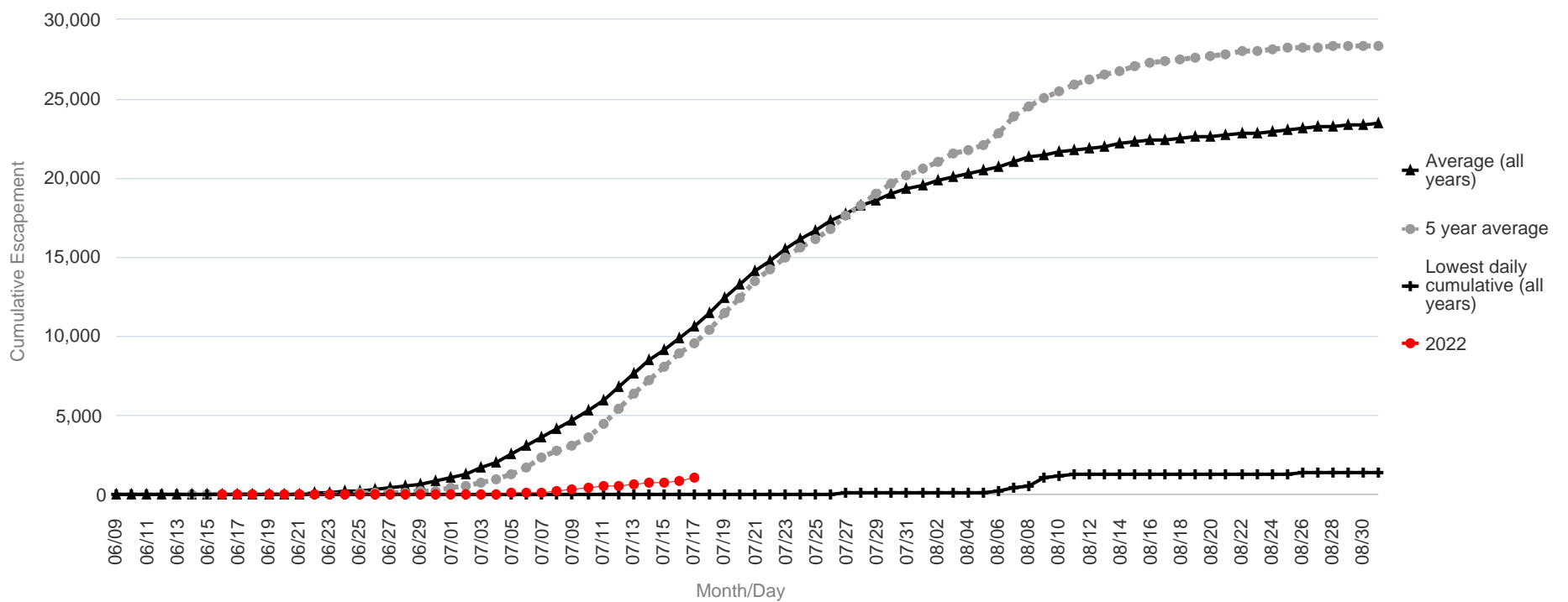
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	0	6,823	5,447	590
07/13	0	7,660	6,410	624
07/14	0	8,478	7,238	742
07/15	0	9,182	8,076	781
07/16	0	9,913	8,911	864
07/17	0	10,650	9,534	1,099
07/18	1	11,483	10,424	
07/19	2	12,442	11,476	
07/20	4	13,287	12,403	
07/21	12	14,147	13,482	
07/22	13	14,797	14,279	
07/23	23	15,467	14,994	
07/24	28	16,109	15,650	
07/25	39	16,716	16,162	
07/26	58	17,282	16,820	

	Lowest Count	Average Count	5 Year Average
Season Total	1,371	24,007	28,454

#### Focused Two-Week Data View



#### Season Total Overview





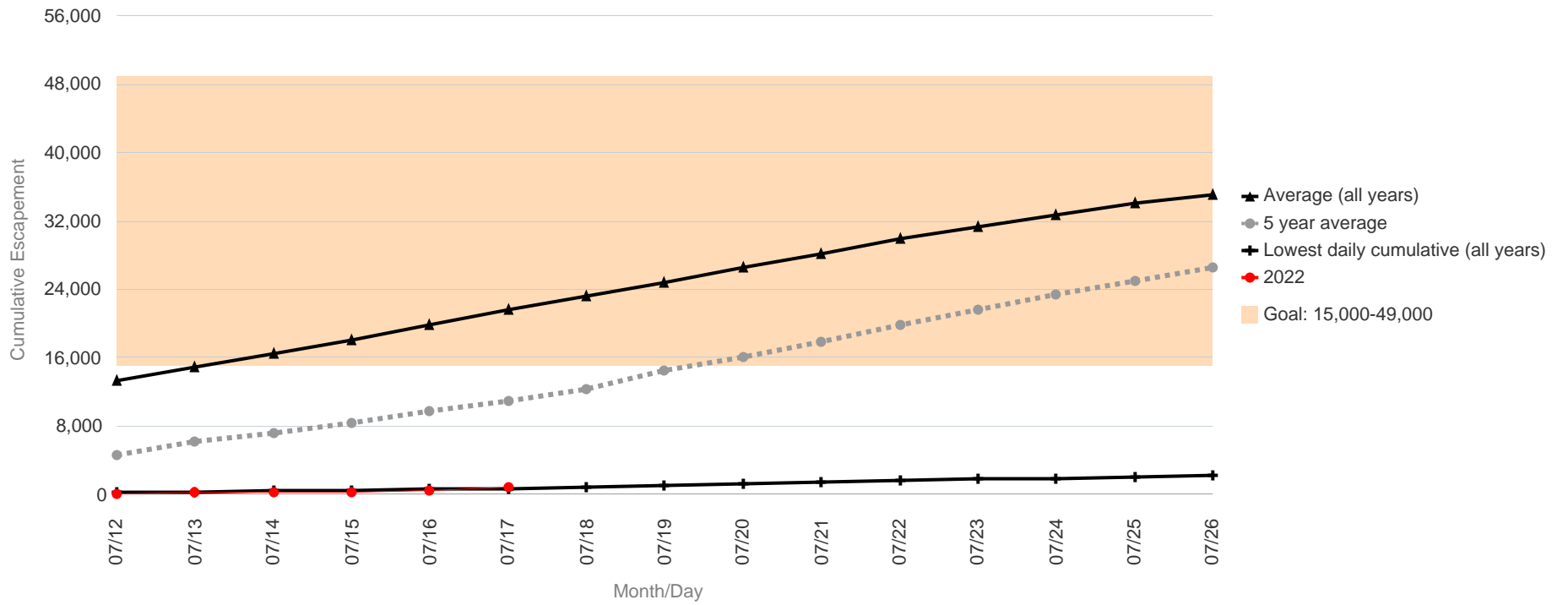
## Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

**Escapement Goal Range: 15,000 to 49,000**

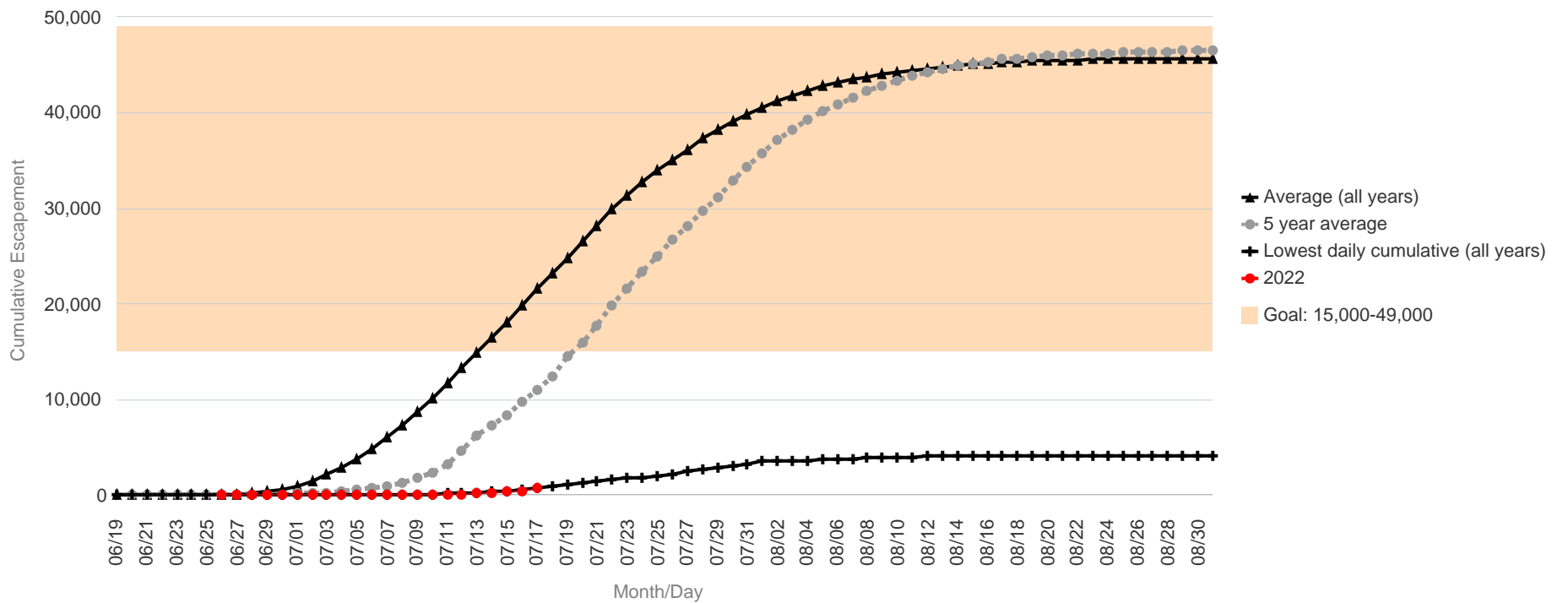
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	188	13,291	4,676	110
07/13	267	14,882	6,179	149
07/14	361	16,504	7,222	233
07/15	467	18,093	8,380	333
07/16	592	19,894	9,766	425
07/17	730	21,526	10,981	768
07/18	874	23,128	12,352	
07/19	1,090	24,868	14,498	
07/20	1,240	26,511	16,036	
07/21	1,424	28,230	17,789	
07/22	1,563	29,857	19,862	
07/23	1,740	31,348	21,570	
07/24	1,861	32,758	23,336	
07/25	2,017	34,012	25,044	
07/26	2,203	35,119	26,655	

	Lowest Count	Average Count	5 Year Average
Season Total	4,153	45,763	46,599

### Focused Two-Week Data View



### Season Total Overview

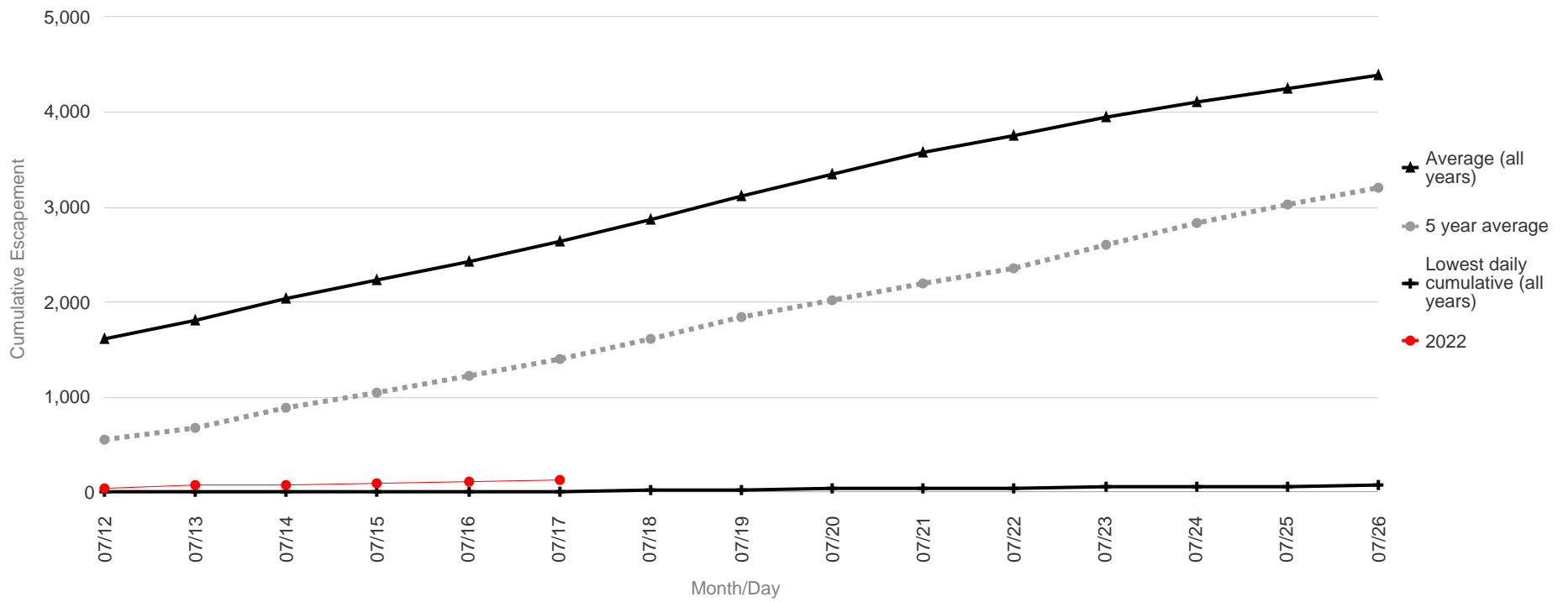


### Takotna River Salmon Monitoring Project Passage of Chum Salmon

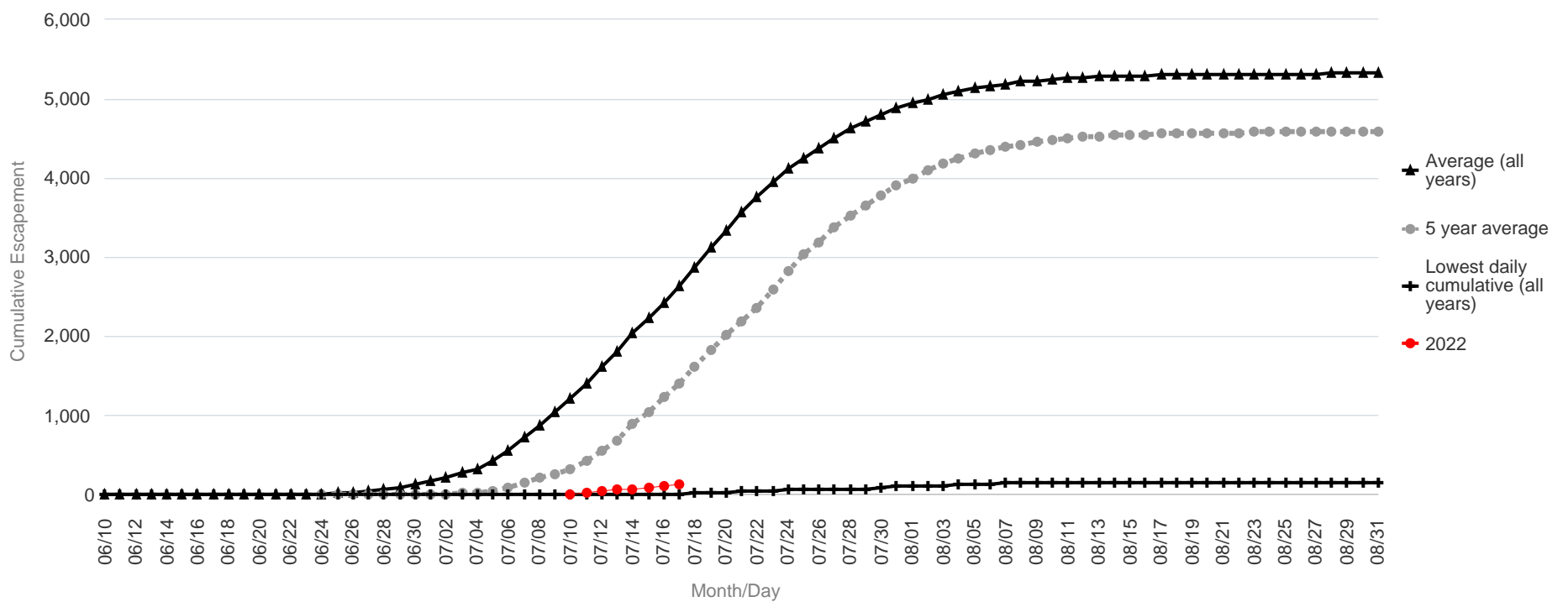
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	0	1,611	550	39
07/13	1	1,799	683	71
07/14	5	2,031	890	76
07/15	5	2,227	1,052	99
07/16	7	2,430	1,230	118
07/17	7	2,640	1,406	135
07/18	18	2,876	1,616	
07/19	20	3,121	1,834	
07/20	34	3,342	2,011	
07/21	37	3,568	2,192	
07/22	44	3,756	2,353	
07/23	51	3,944	2,601	
07/24	57	4,111	2,826	
07/25	64	4,255	3,036	
07/26	67	4,386	3,196	

	Lowest Count	Average Count	5 Year Average
Season Total	151	5,324	4,583

#### Focused Two-Week Data View



#### Season Total Overview

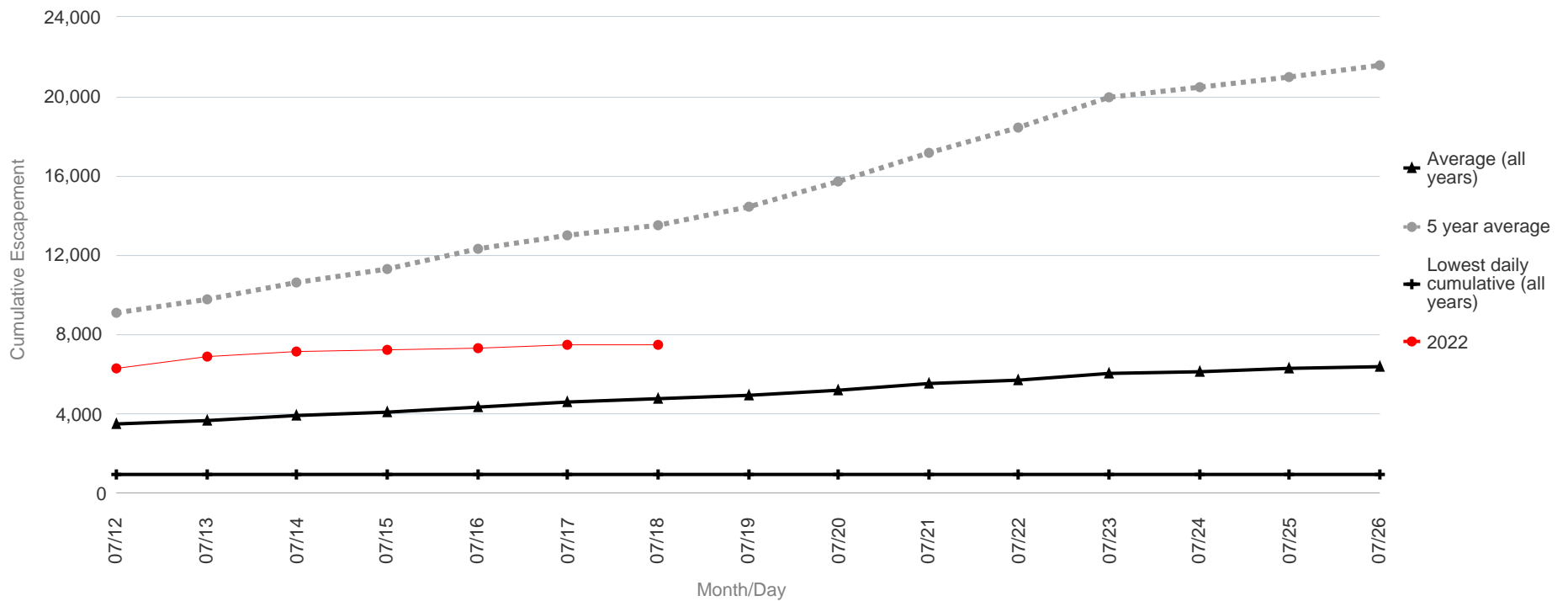


### Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

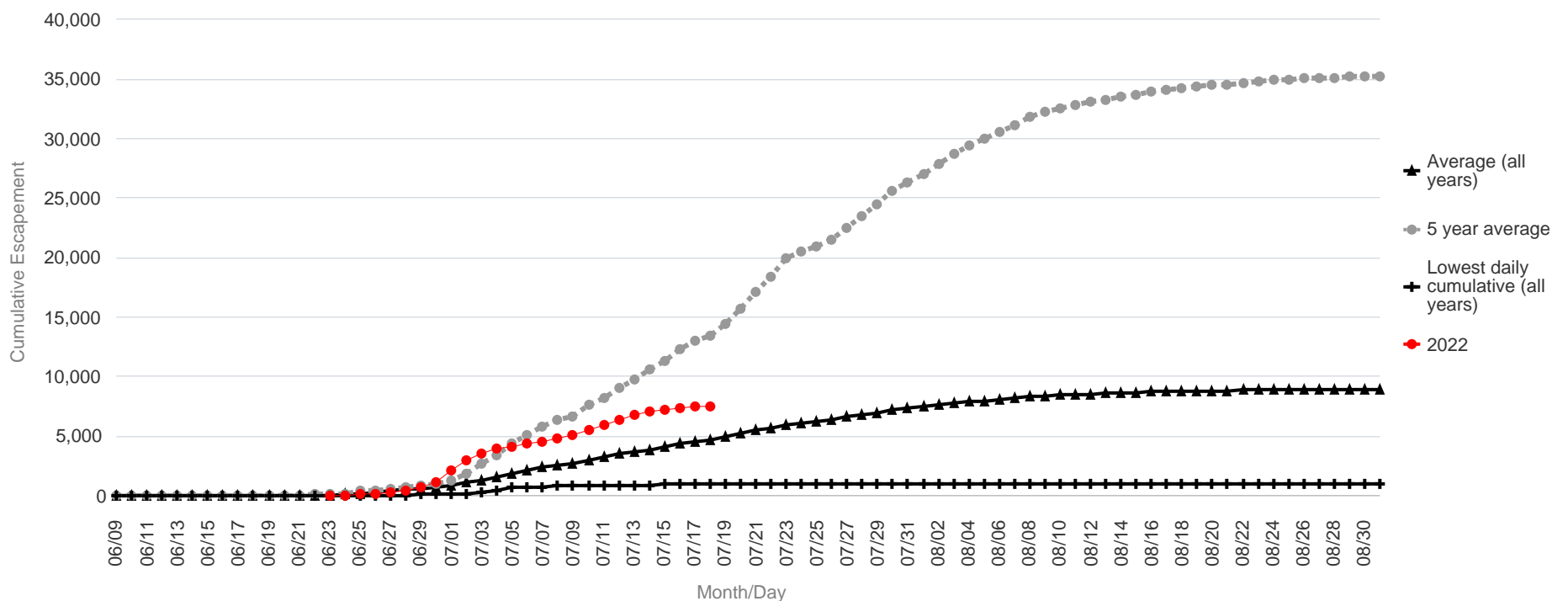
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	920	3,505	9,091	6,338
07/13	925	3,697	9,807	6,859
07/14	946	3,913	10,591	7,107
07/15	955	4,124	11,323	7,223
07/16	970	4,366	12,283	7,343
07/17	974	4,597	13,042	7,483
07/18	979	4,759	13,472	7,528
07/19	980	4,962	14,434	
07/20	980	5,216	15,737	
07/21	983	5,494	17,160	
07/22	985	5,733	18,422	
07/23	985	6,018	19,929	
07/24	987	6,160	20,509	
07/25	988	6,283	20,974	
07/26	989	6,413	21,581	

	Lowest Count	Average Count	5 Year Average
Season Total	1,049	9,040	35,509

#### Focused Two-Week Data View



#### Season Total Overview

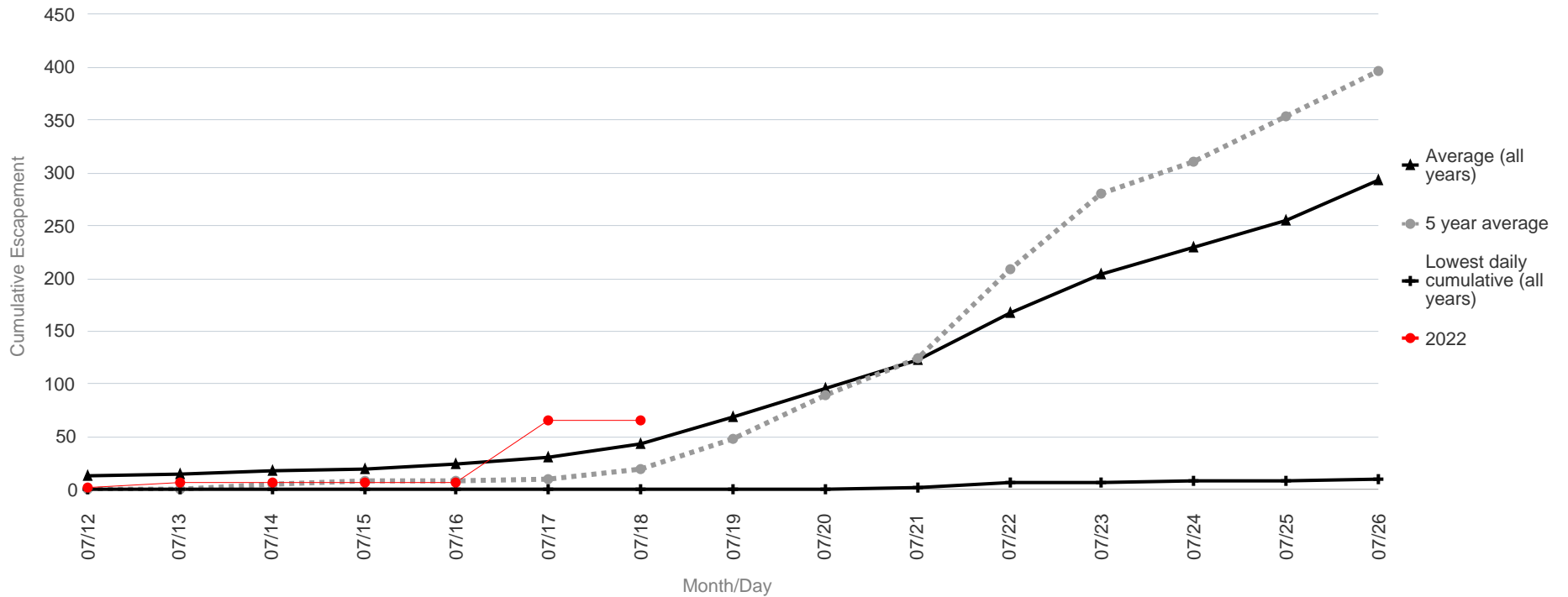


### Salmon River (Aniak) Salmon Monitoring Project Passage of Sockeye Salmon

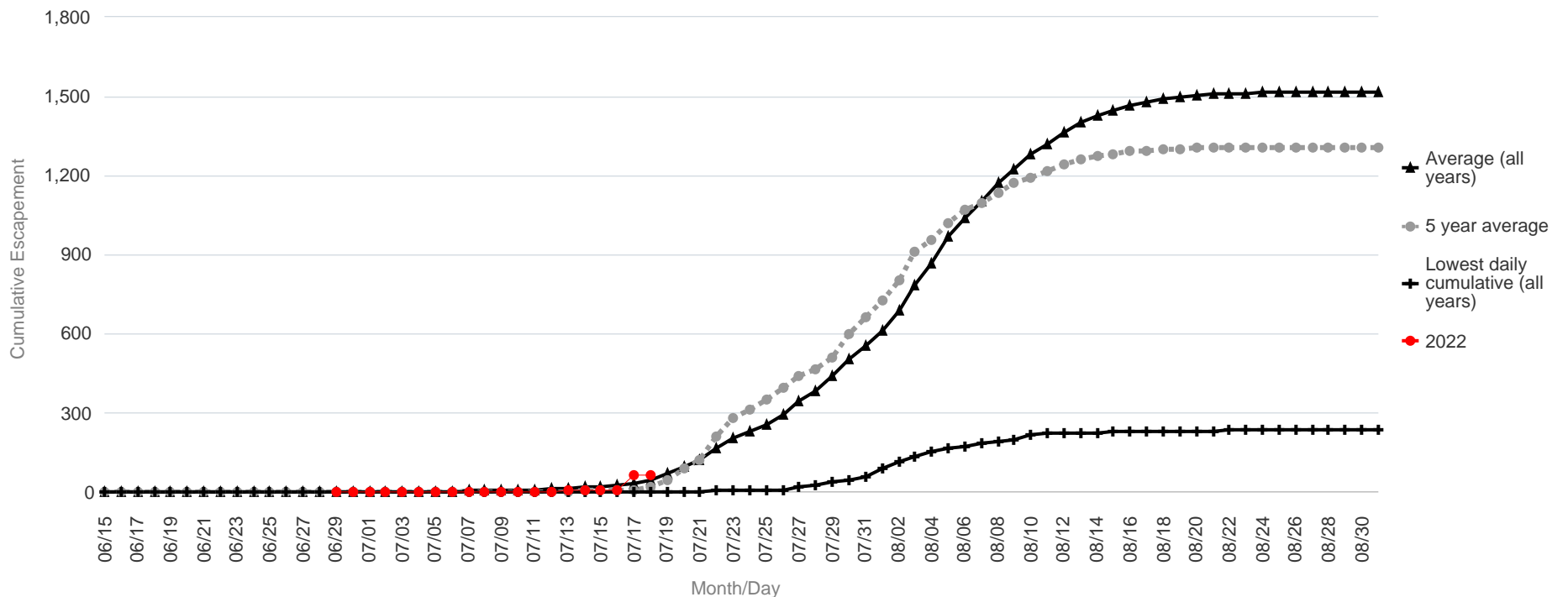
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	0	13	1	2
07/13	0	15	1	7
07/14	0	18	6	7
07/15	0	20	8	7
07/16	0	24	9	7
07/17	0	31	10	66
07/18	0	43	20	66
07/19	0	68	48	
07/20	1	96	90	
07/21	2	122	124	
07/22	6	167	208	
07/23	7	203	280	
07/24	8	229	311	
07/25	9	255	354	
07/26	10	293	397	

	Lowest Count	Average Count	5 Year Average
Season Total	234	1,519	1,308

#### Focused Two-Week Data View



#### Season Total Overview



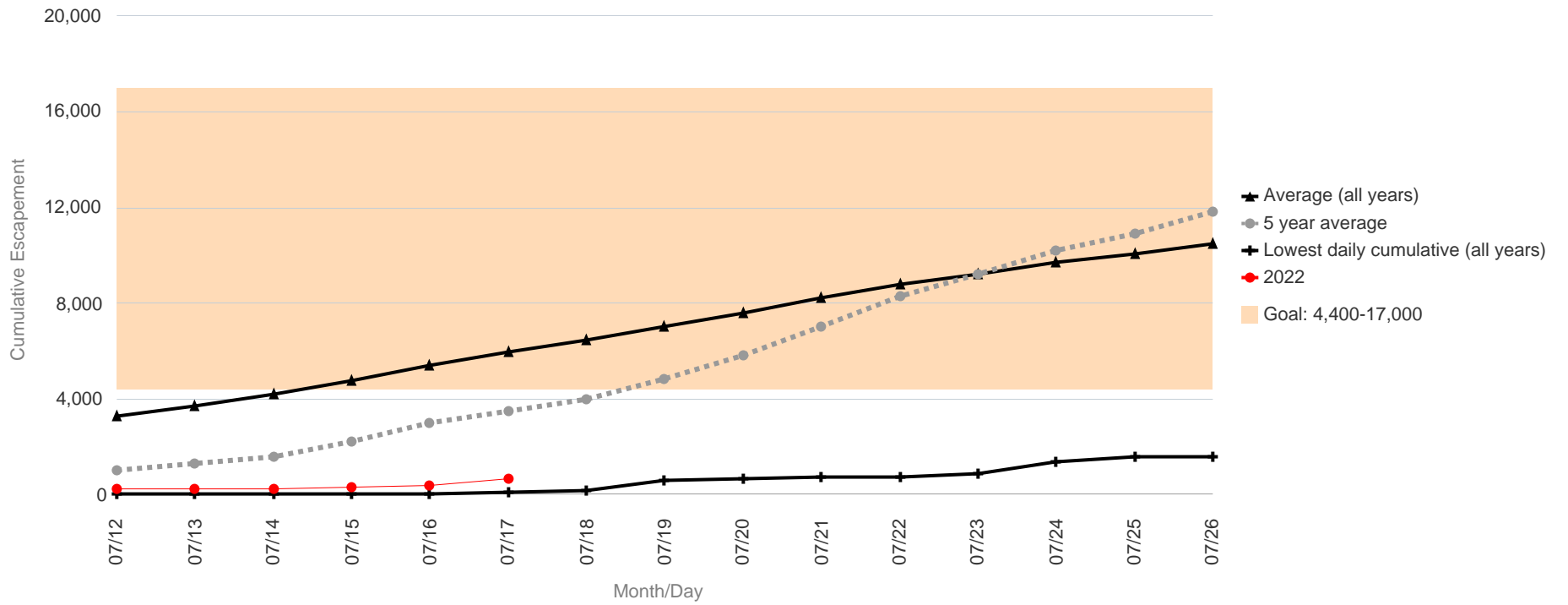
## Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

**Escapement Goal Range: 4,400 to 17,000**

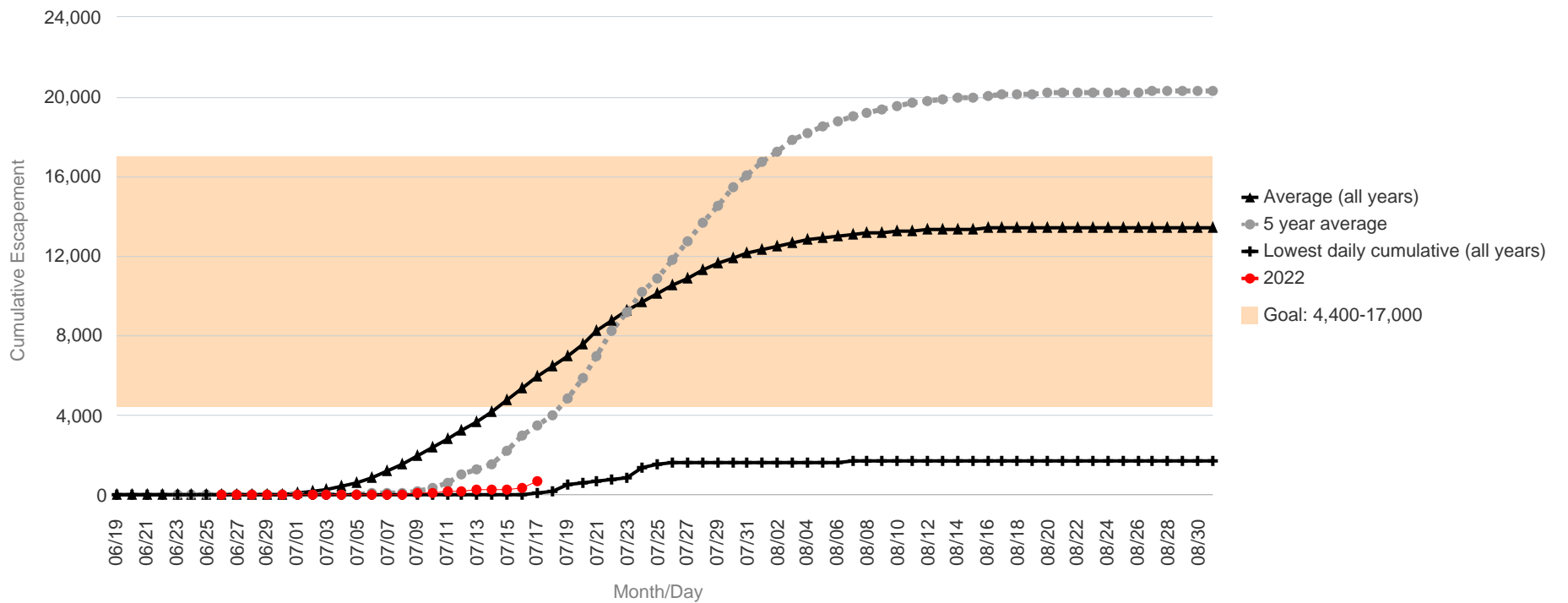
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	18	3,270	1,015	216
07/13	18	3,705	1,257	232
07/14	22	4,203	1,562	254
07/15	32	4,745	2,214	283
07/16	45	5,372	2,949	341
07/17	82	5,943	3,493	680
07/18	163	6,441	3,978	
07/19	560	6,981	4,848	
07/20	647	7,578	5,845	
07/21	710	8,221	7,010	
07/22	748	8,775	8,263	
07/23	862	9,237	9,181	
07/24	1,336	9,671	10,166	
07/25	1,585	10,084	10,919	
07/26	1,600	10,508	11,850	

	Lowest Count	Average Count	5 Year Average
Season Total	1,676	13,471	20,323

### Focused Two-Week Data View



### Season Total Overview

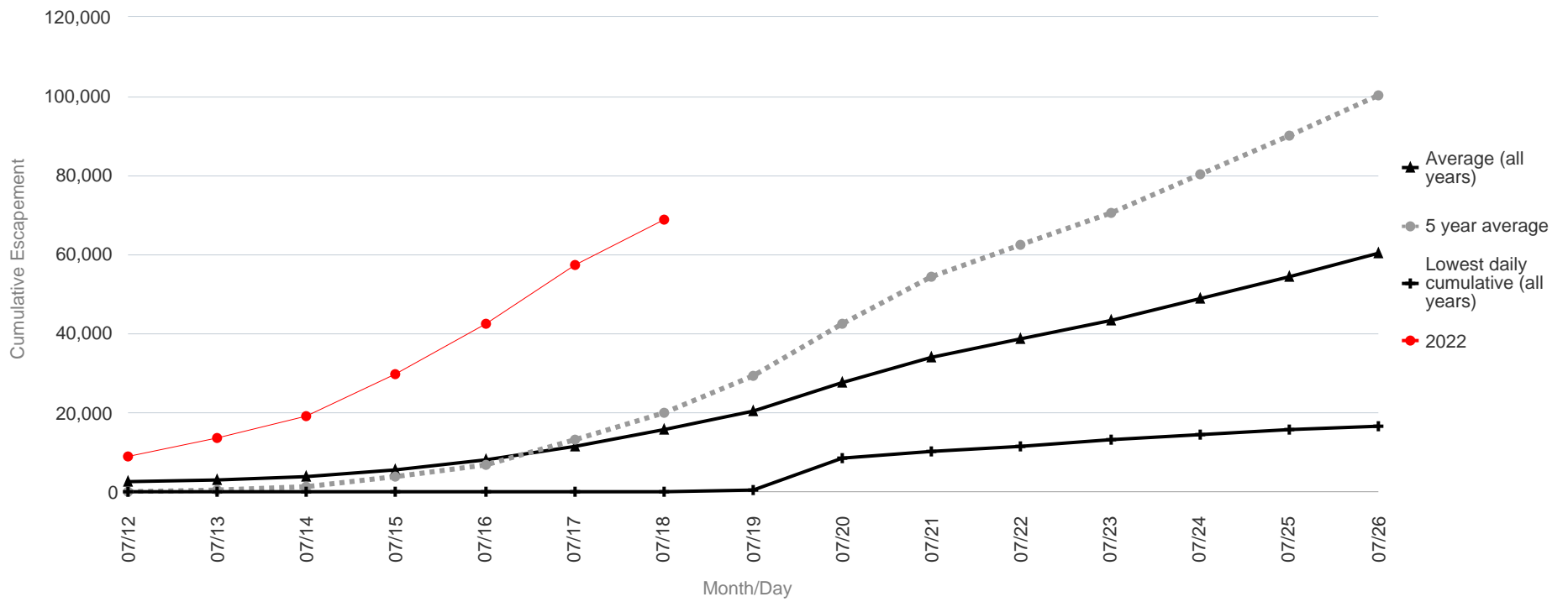


### Telaquana River Salmon Monitoring Project Passage of Sockeye Salmon

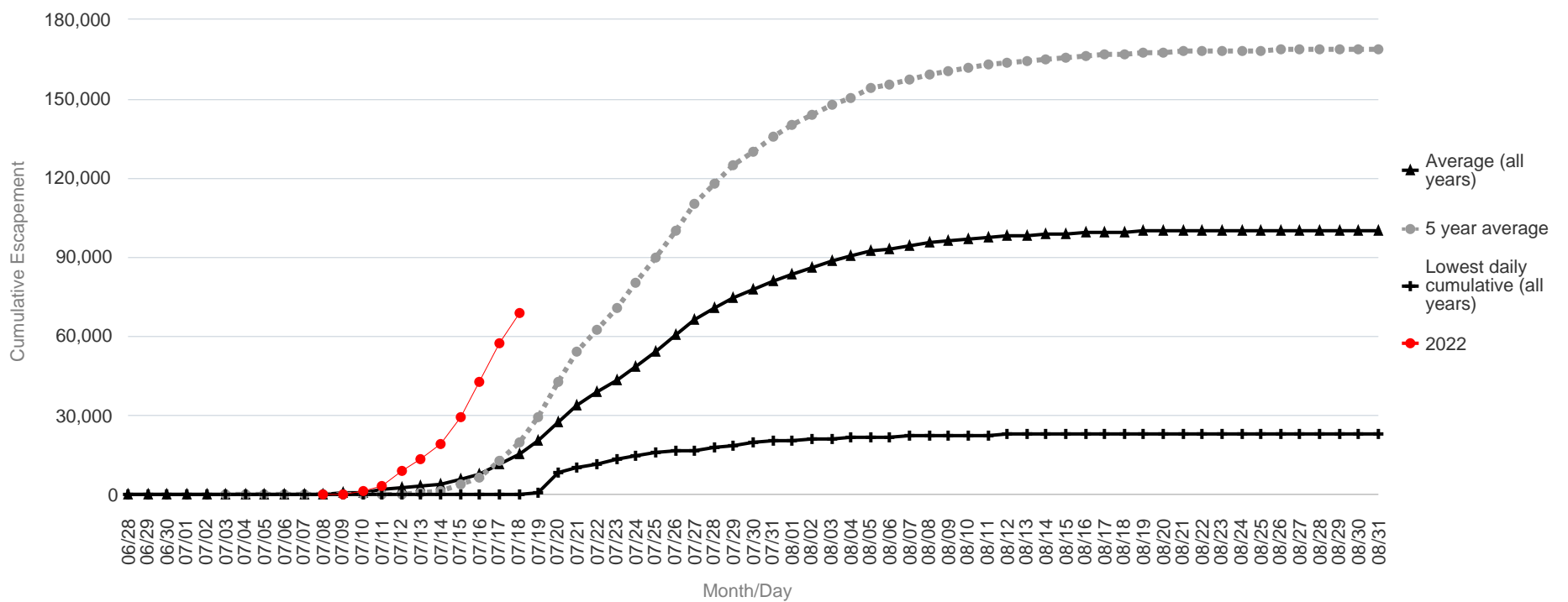
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/12	0	2,519	249	9,057
07/13	1	3,066	444	13,733
07/14	1	3,985	1,300	18,976
07/15	1	5,748	3,739	29,576
07/16	3	7,952	6,758	42,635
07/17	3	11,634	13,055	57,400
07/18	36	15,687	19,894	68,735
07/19	695	20,574	29,335	
07/20	8,623	27,558	42,551	
07/21	10,234	34,024	54,228	
07/22	11,467	38,757	62,297	
07/23	13,293	43,335	70,508	
07/24	14,622	48,759	80,122	
07/25	15,784	54,479	90,065	
07/26	16,443	60,328	100,050	

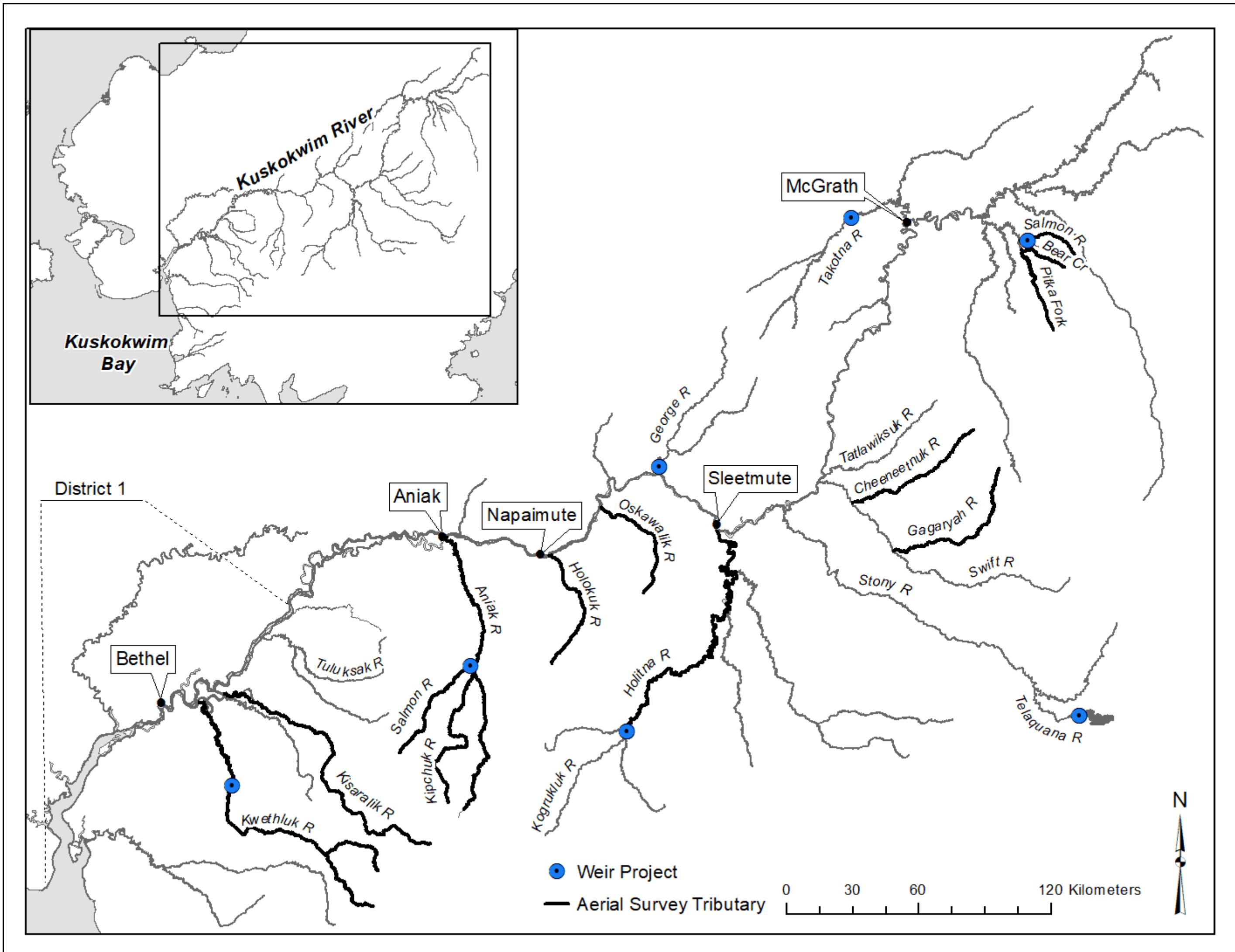
	Lowest Count	Average Count	5 Year Average
Season Total	23,007	100,280	168,520

#### Focused Two-Week Data View



#### Season Total Overview





# Alaska Peninsula Inseason Commercial Harvest Estimates

<https://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareaakpeninsula.salmonharvestsummary>

Map: [https://www.adfg.alaska.gov/static-f/fishing/pdfs/commercial/akpeninsula\\_stat\\_map.pdf](https://www.adfg.alaska.gov/static-f/fishing/pdfs/commercial/akpeninsula_stat_map.pdf)

## ESTIMATED SALMON CATCH TO DATE BY GEOGRAPHIC AREA / FISHERY, WITHIN THE ALASKA PENINSULA MANAGEMENT AREA

Monday, July 18, 2022

South Peninsula	Chinook	Sockeye	Coho	Pink	Chum▼
Post June Cold Bay*	0	0	0	0	0
Post June Thin Point Section	0	0	0	0	0
Post June Morzhovoi Bay to South Unimak	128	19,550	530	5,573	32,283
Post June Shumagin Islands	3,782	146,178	3,277	55,468	41,609
Southeastern District Mainland	6	9,834	0	1,566	266
Northwest Stepovak Section (7/1-7/25)	0	0	0	0	0
Dolgoi Island Area1	67	55,237	772	6,146	9,924
Dolgoi Island Area2	0	0	0	0	0
June Shumagin Islands	1,294	843,228	6	123,356	172,279
June South Unimak	1,603	3,080,916	158	1,039,095	358,177
	<b>6,880</b>	<b>4,154,943</b>	<b>4,743</b>	<b>1,231,204</b>	<b>614,538</b>