

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: 08/16/2017

Time: 10:00 a.m.

Place: Bethel

Time Called to Order:

Chair: Barbara Carlson

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

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

INTRODUCTIONS:

INVOCATION:

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

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

ADF&G MANAGEMENT ACTIONS UNDER CONSIDERATION:

PEOPLE TO BE HEARD:

CONTINUING BUSINESS:

- Subsistence Reports: Lowest River, ~~ONC Inseason Subsistence Report~~, Lower River, Middle River, Upper River, Headwaters
- Overview of Kuskokwim River salmon run assessment/ discussion of ADF&G considerations:
 - a. Test Fisheries (Bethel and Aniak):
 - b. ~~Sonar/Weirs/Mark-Recapture/Aerial Surveys/Other:~~
 - c. Subsistence Division Update:
 - d. Napaimute Assessment Project:
- Commercial Catch Report:
- Processor Report:
- Sport Fish Report:
- Intercept Fishery Report:
- 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:

- Fishery management in non-salmon spawning tributaries during Chinook salmon conservation.–*ADF&G and USFWS*
- Working Group's role in inseason messaging– *Lisa Feyereisen*

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

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

Thank you.
Jennifer Peeks
Aaron Tiernan
Working Group Coordinators

Informational Packet

Kuskokwim River Salmon Assessment Update: 8/14/2017



This document presents the key assessment information considered by managers in-season. The production of this document is a collaborative effort between the ADF&G and USFWS. **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 Ben Staton (USFWS; benjamin_staton@fws.gov) or Zachary Liller (ADF&G; zachary.liller@alaska.gov).

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- **Page 2:** Coho Salmon Bethel Test Fishery Information
- **Page 3:** Species Composition Information
- **Page 4:** Chinook, Chum, Sockeye Salmon Summaries
- **Page 5:** Coho Salmon Appendix

Abbreviations:

- BTF: Bethel Test Fishery
- ATF: Aniak Test Fishery
- CPUE: Catch-per-unit-effort
- EOS: End-of-Season

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:

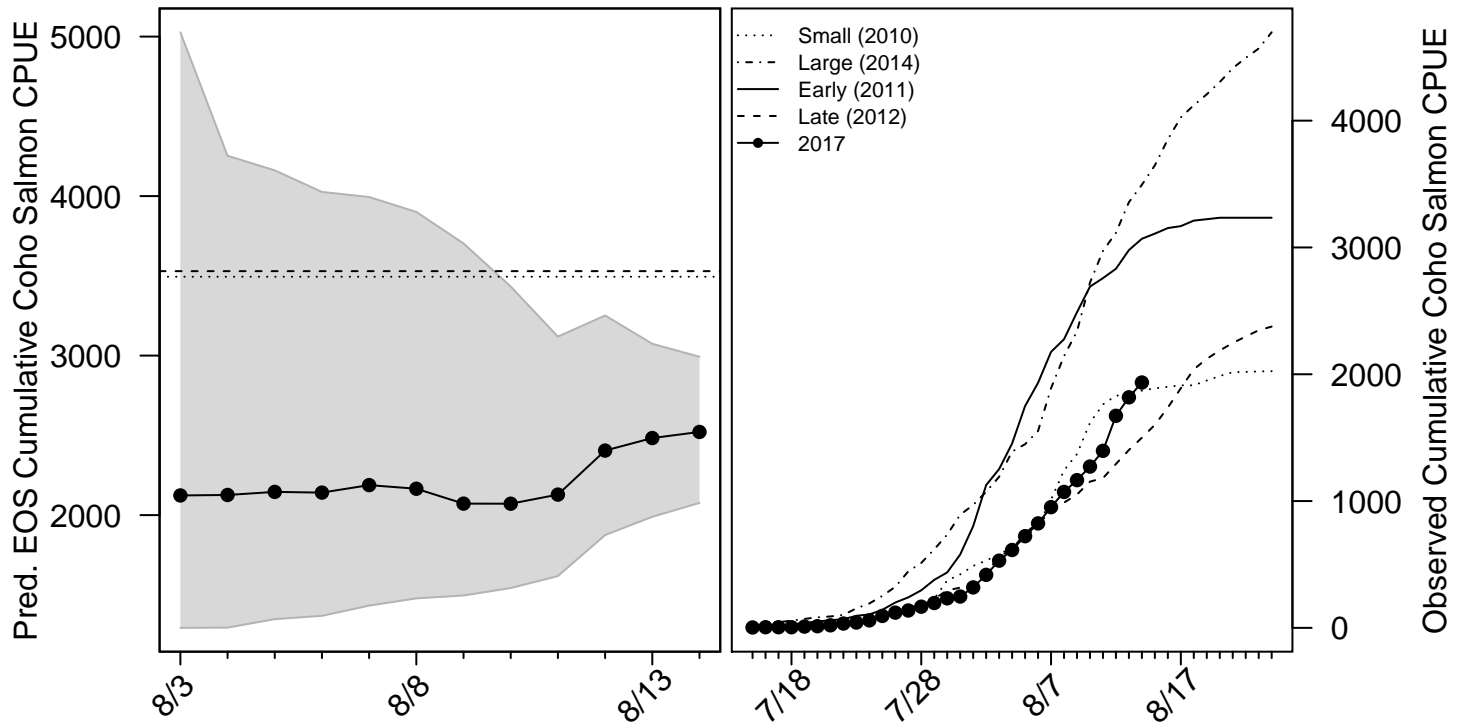
- http://www.adfg.alaska.gov/index.cfm?adfg=cfnews_mobile.main

Informational Packet

Coho Salmon (8/14)

- The BTF daily CPUE was **117**.
- The BTF cumulative CPUE is **1,935**.
- **4** years since 2008 (**44%**) fell below this cumulative CPUE.
- **77%** of the run is complete based on historical average run timing.
- No run timing forecast is available for coho salmon.
- **10 - 18%** of the run is expected to pass in the next 5 days.
- Over the last 3 days, coho salmon made up **98%** of the BTF catches, compared to **98%** on average.

Coho Figure 1. *Left:* predicted cumulative EOS BTF CPUE according to various run timing scenarios: central 80% (grey region) and the historical median. The dashed horizontal line shows the EOS value from 2016 and the dotted horizontal line shows the average since 2008. *Right:* The cumulative BTF CPUE from 2017 plotted along with four years intended to represent a range of early/late and small/large index values.

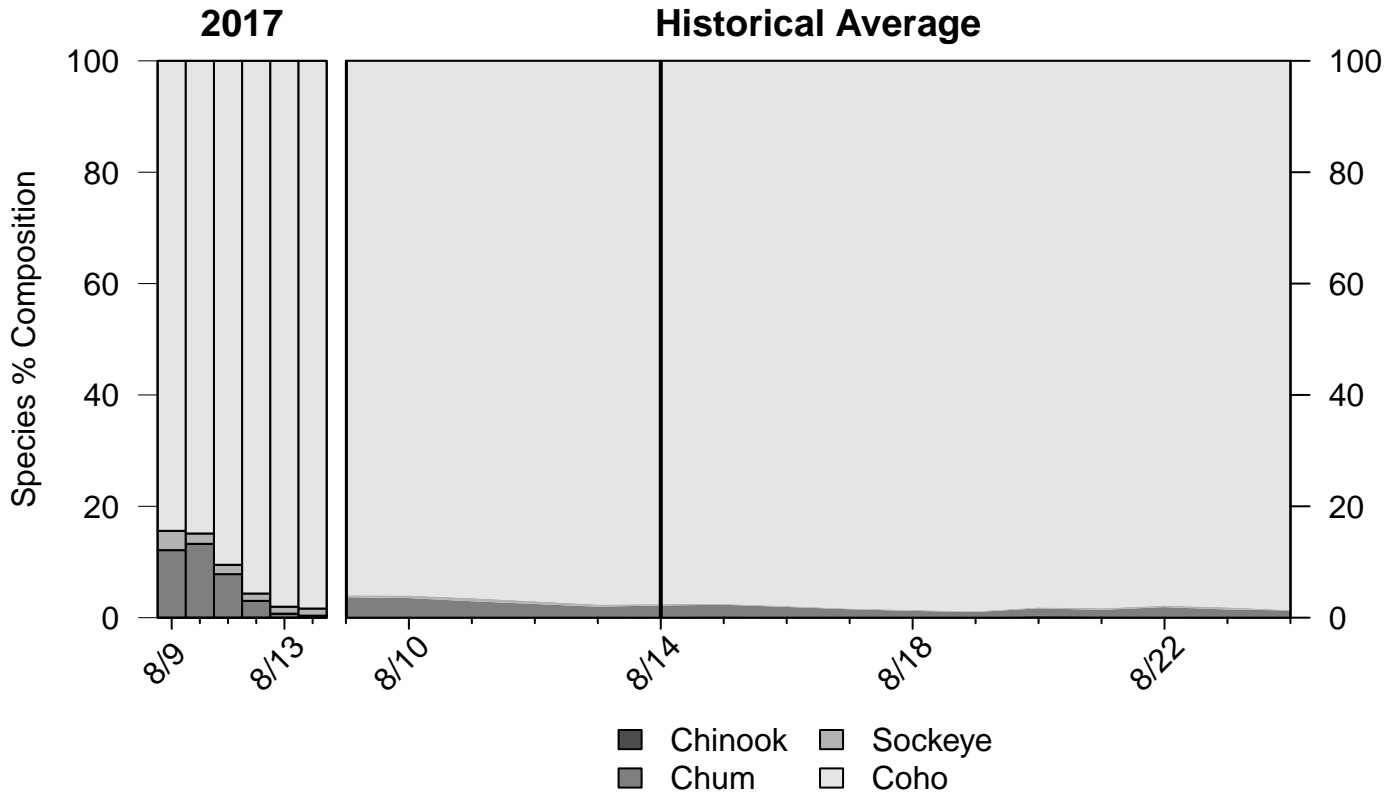


For more detailed information, see the *Coho salmon appendix* at the end of this document.

Informational Packet

Species Composition

Species Composition Figure 1. Species percent composition in the BTF from 2017 and based on historical average. The composition presented on each day represents the average composition over the past 3 days.



Informational Packet

Chinook, Chum, Sockeye Salmon Summaries

Chinook Salmon Summary

- The BTF daily CPUE was **0**.
- The BTF cumulative CPUE is **375**.
- If the run ended on 8/14, 50% of the run would have passed BTF on **6/27**, which is **4 days later** than average.
- The sonar completed operations on 7/26 with an EOS cumulative passage of **61,500 (45,800 - 77,100)**.
- The ATF completed operations on 7/15 with an EOS cumulative CPUE of **6,508**, compared to **2,729** in 2016 and **2,916** in 2015.
- The table below shows cumulative CPUE from the BTF from 2017 and in previous years.

Date	2017	2016	2015	2014	2013	5-Yr Avg.	2008 - 2016
							Avg.
8/11	375	687	625	650	261	528	556
8/12	375	687	625	650	261	528	556
8/13	375	687	625	650	261	528	557
8/14	375	687	625	650	261	528	557
EOS		687	625	650	261	528	557

Chum Salmon Summary

- The BTF daily CPUE was **0**.
- The BTF cumulative CPUE is **6,761**.
- If the run ended on 8/14, 50% of the run would have passed BTF on **7/7**, which is **2 days later** than average.
- The sonar completed operations on 7/26 with an EOS cumulative passage of **628,800 (553,400 - 704,100)**.
- The ATF completed operations on 7/15 with an EOS cumulative CPUE of **11,588**, compared to **5,304** in 2016 and **5,669** in 2015.
- The table below shows cumulative CPUE from the BTF from 2017 and in previous years.

Date	2017	2016	2015	2014	2013	5-Yr Avg.	2008 - 2016
							Avg.
8/11	6,759	3,866	2,911	6,319	5,672	5,128	6,466
8/12	6,759	3,868	2,914	6,324	5,679	5,132	6,471
8/13	6,761	3,871	2,921	6,327	5,681	5,135	6,475
8/14	6,761	3,874	2,926	6,329	5,682	5,139	6,479
EOS		3,894	2,943	6,343	5,708	5,156	6,496

Sockeye Salmon Summary

- The BTF daily CPUE was **2**.
- The BTF cumulative CPUE is **2,671**.
- If the run ended on 8/14, 50% of the run would have passed BTF on **7/7**, which is **8 days later** than average.
- The sonar completed operations on 7/26 with an EOS cumulative passage of **863,400 (759,500 - 967,300)**.
- The ATF completed operations on 7/15 with an EOS cumulative CPUE of **393**, compared to **405** in 2016 and **1,245** in 2015.
- The table below shows cumulative CPUE from the BTF from 2017 and in previous years.

Date	2017	2016	2015	2014	2013	5-Yr Avg.	2008 - 2016
							Avg.
8/11	2,664	2,414	2,147	1,363	1,146	1,648	1,595
8/12	2,669	2,421	2,148	1,363	1,146	1,650	1,596
8/13	2,669	2,429	2,148	1,363	1,146	1,651	1,597
8/14	2,671	2,434	2,148	1,365	1,146	1,653	1,598
EOS		2,463	2,157	1,367	1,146	1,661	1,603

Informational Packet

Coho Salmon Appendix

Coho Salmon Table A1. Cumulative CPUE from the BTF.

Date	2017	2016	2015	2014	2013	5-Yr Avg.	2008 - 2016 Avg.
8/11	1,396	1,466	1,396	2,972	1,916	1,786	2,265
8/12	1,672	1,568	1,523	3,115	2,008	1,901	2,384
8/13	1,818	1,672	1,666	3,357	2,063	2,032	2,516
8/14	1,935	1,828	1,732	3,494	2,185	2,148	2,629
8/15		1,991	1,837	3,648	2,210	2,257	2,729
8/16		2,266	2,055	3,853	2,315	2,445	2,876
8/17		2,450	2,214	4,026	2,419	2,600	3,001
EOS		3,530	2,736	4,697	2,865	3,241	3,495

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

Timing	Midpoint	8/14 Cumulative %
Earliest	7/29	99%
Early 10%	8/4	93%
Early 25%	8/6	86%
Median	8/8	77%
Late 25%	8/11	69%
Late 10%	8/12	65%
Latest	8/13	53%

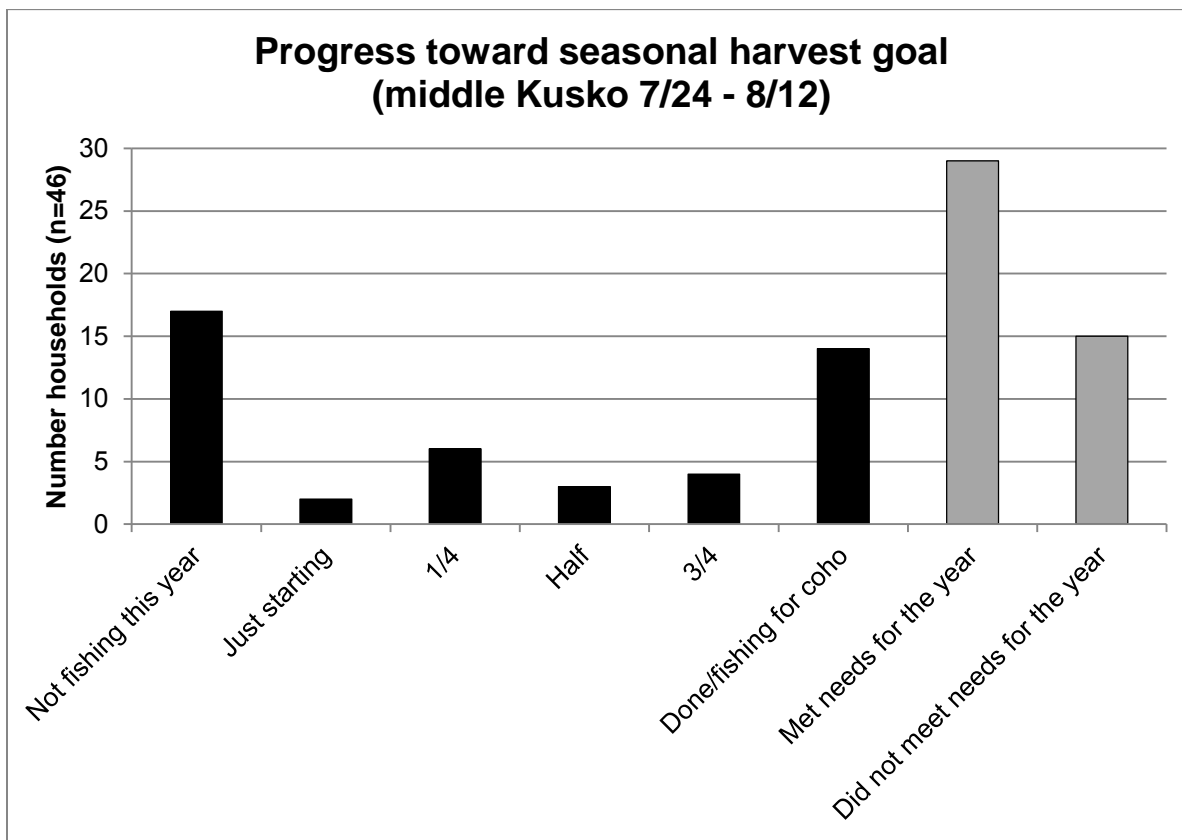
Informational Packet

Subsistence Division Update to the Working Group, 8/16/2017

The *Lower Kuskokwim* Inseason subsistence harvest and effort monitoring project has wrapped up fieldwork for the season. Since the previous Working Group meeting on August 2, we have received contact from a few of our volunteer fishermen, all of whom indicated that they are finishing up their fishing for the season but will continue to target some coho.

The *Middle Kuskokwim* Inseason subsistence harvest and effort monitoring project has also completed fieldwork for the season. In partnership with Native Village of Napaimute staff, we surveyed 142 households (approximately 32% sample) in Kalskag, Aniak, Chuathbaluk, Napaimute, Crooked Creek, Georgetown, Red Devil, Sleetmute, and Stony River. From July 24 through August 12 we have contacted 46 households from Chuathbaluk to Stony River. This most recent information is summarized in the figure below.

To assess how sample households have progressed toward their goals for total salmon harvest for the season, people were asked the following question: *How far along is your household with salmon fishing this year?* Each person was asked to choose from one of the following possible responses: *Not fishing this year, Just starting, one quarter, one half, three quarters, or done.* Several respondents explained that their households are mostly done fishing for salmon, but will continue to fish for coho. These responses were included in the “Done/fishing for coho” column in the figure. Respondents were also asked if they have met their needs for salmon for the year (*Yes or No*). Those responses are shown in the columns in the right side of the figure.



Supplemental Kuskokwim River Salmon Escapement Data

Salmon escapement projects are located upriver from where the majority of salmon harvest occurs. As such, escapement data provide limited information about the status of salmon runs in season. Data from escapement projects are primarily used post season to assess escapement goals and trends.

Daily escapement information can be viewed online at the ADF&G Kuskokwim Management Area Fish Counts webpage. This can be accessed through the following link:

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

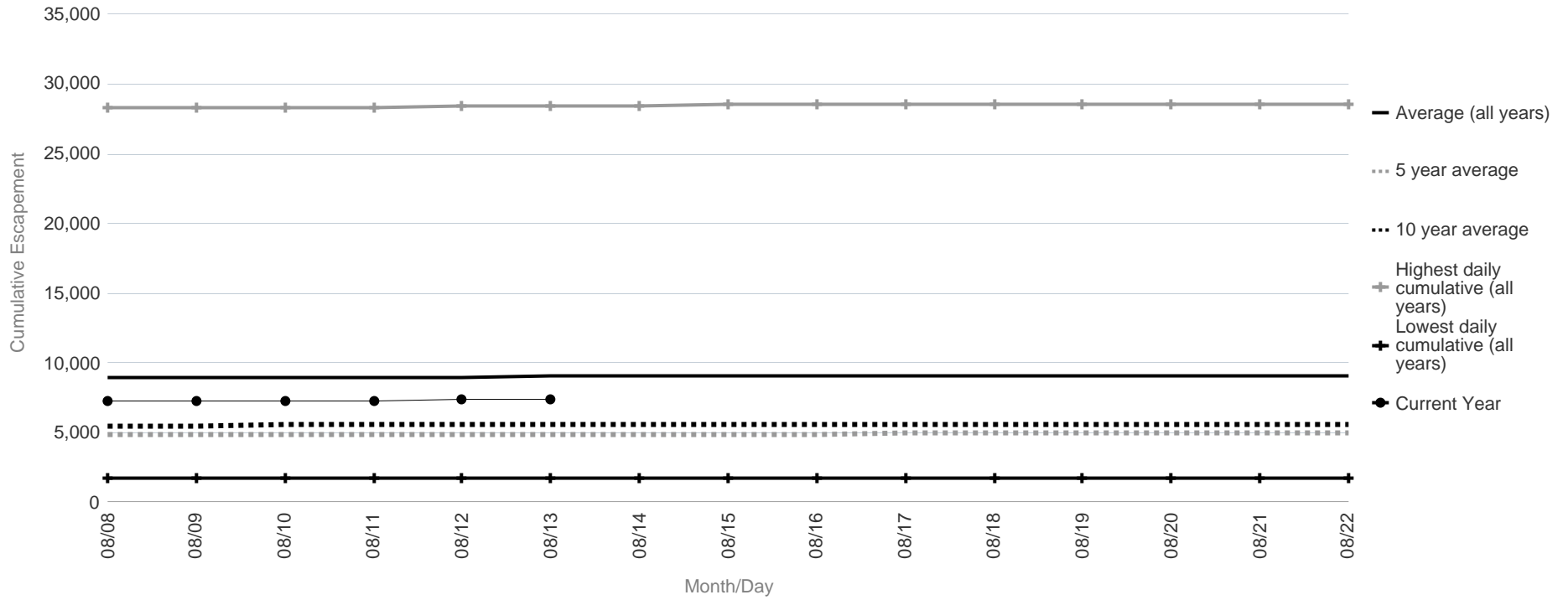
Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 4,100 to 7,500

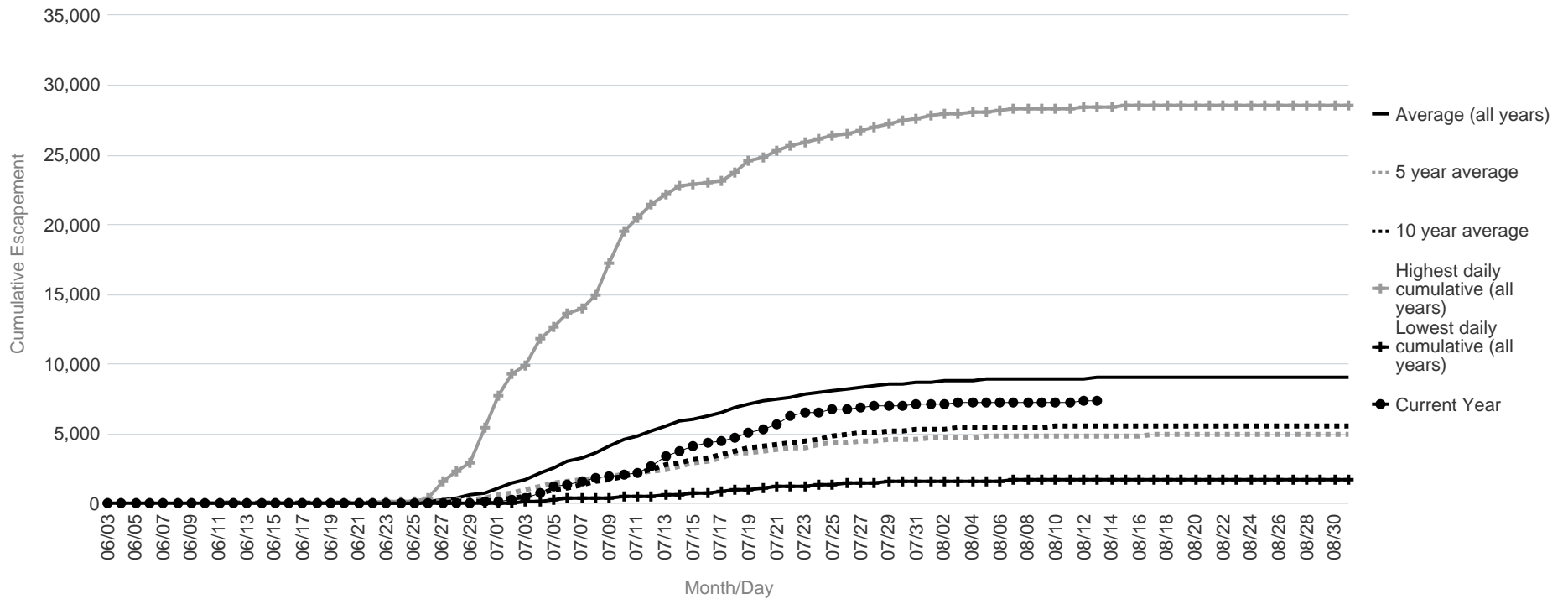
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	1,658	8,940	4,810	5,479	28,300	7,284
08/09	1,660	8,952	4,822	5,490	28,312	7,291
08/10	1,661	8,964	4,833	5,498	28,333	7,296
08/11	1,662	8,975	4,845	5,506	28,365	7,302
08/12	1,665	8,986	4,855	5,513	28,402	7,309
08/13	1,666	9,005	4,876	5,524	28,442	7,316
08/14	1,666	9,015	4,881	5,528	28,483	
08/15	1,667	9,022	4,887	5,532	28,495	
08/16	1,667	9,027	4,892	5,536	28,503	
08/17	1,667	9,033	4,897	5,539	28,524	
08/18	1,667	9,038	4,901	5,542	28,540	
08/19	1,667	9,043	4,908	5,546	28,557	
08/20	1,667	9,047	4,914	5,548	28,564	
08/21	1,667	9,051	4,919	5,551	28,573	
08/22	1,668	9,054	4,924	5,554	28,579	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	1,668	9,073	4,968	5,575	28,605

Focused Two-Week Data View



Season Total Overview

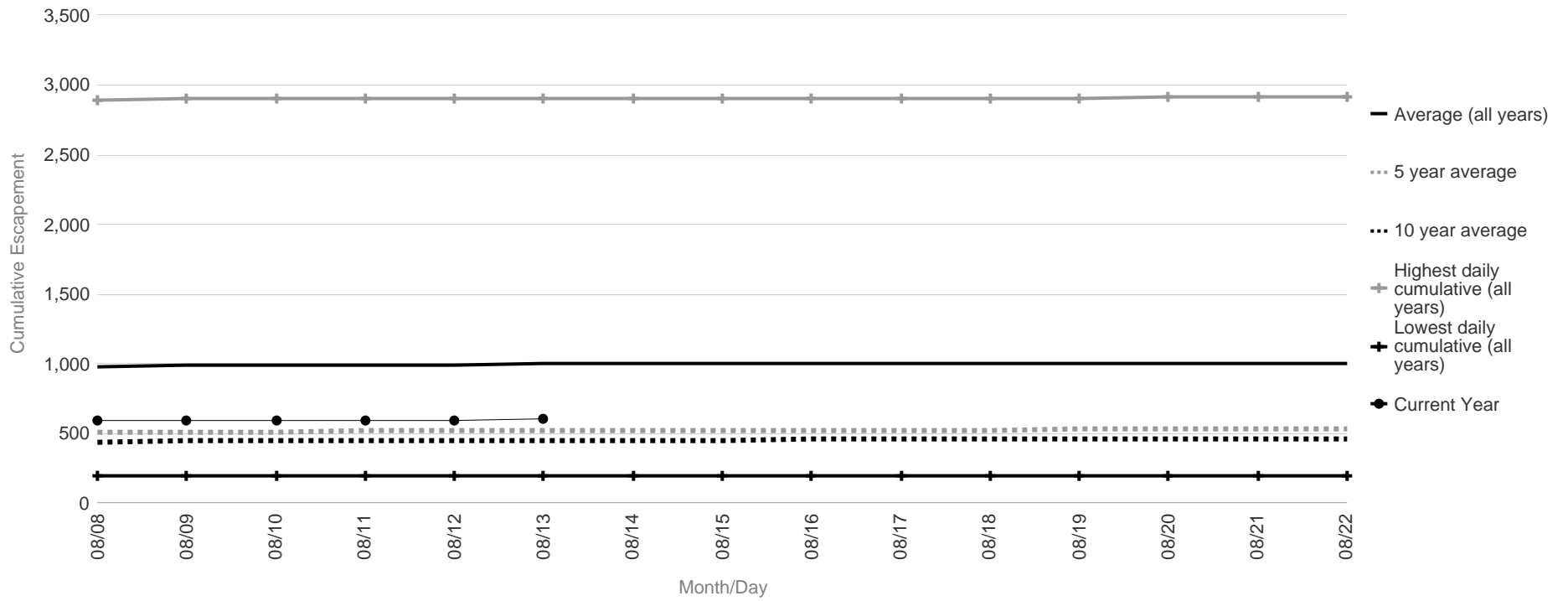


Tuluksak River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

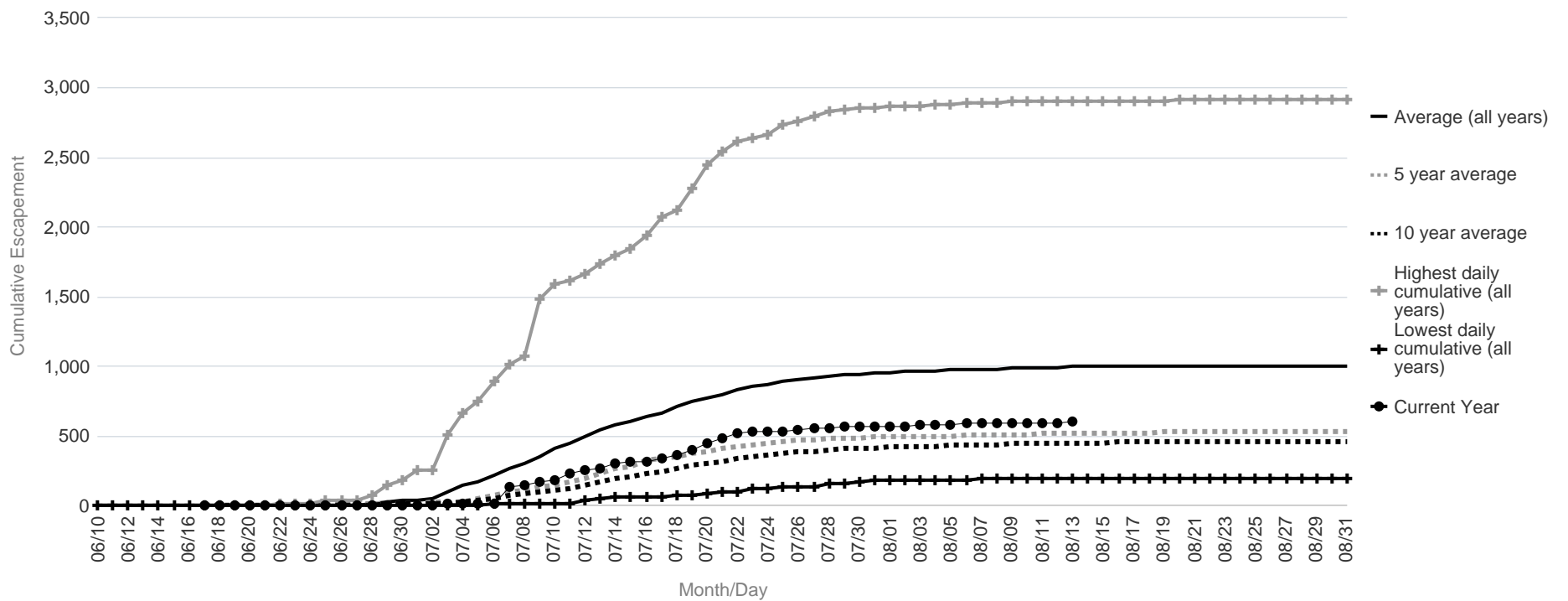
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	190	983	507	438	2,897	589
08/09	190	987	510	442	2,899	593
08/10	190	989	512	444	2,900	595
08/11	190	991	514	446	2,902	596
08/12	190	993	517	448	2,902	597
08/13	191	995	522	451	2,904	598
08/14	191	996	523	452	2,905	
08/15	192	997	525	453	2,907	
08/16	192	998	525	454	2,908	
08/17	192	998	526	454	2,908	
08/18	192	998	526	454	2,909	
08/19	192	999	526	454	2,909	
08/20	192	999	526	454	2,910	
08/21	193	1,000	527	455	2,911	
08/22	193	1,000	528	456	2,911	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	193	1,005	538	461	2,918

Focused Two-Week Data View



Season Total Overview

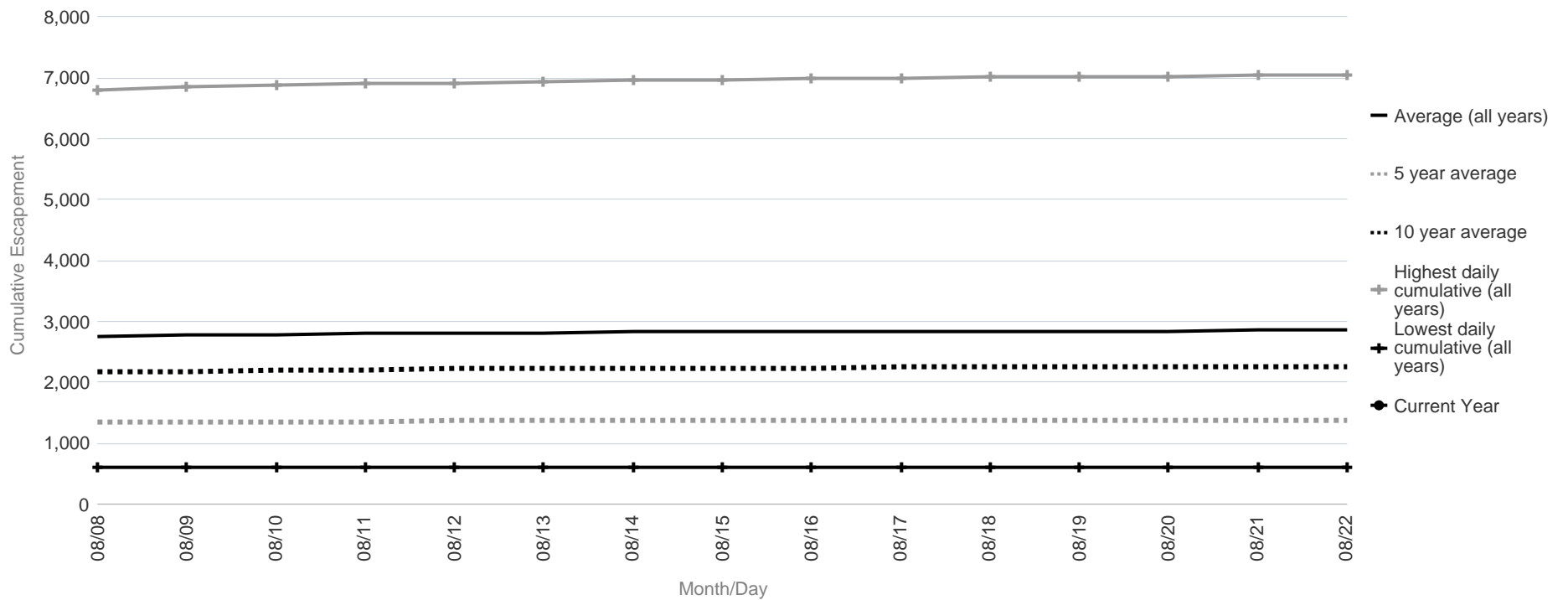


Salmon River (Aniak) Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

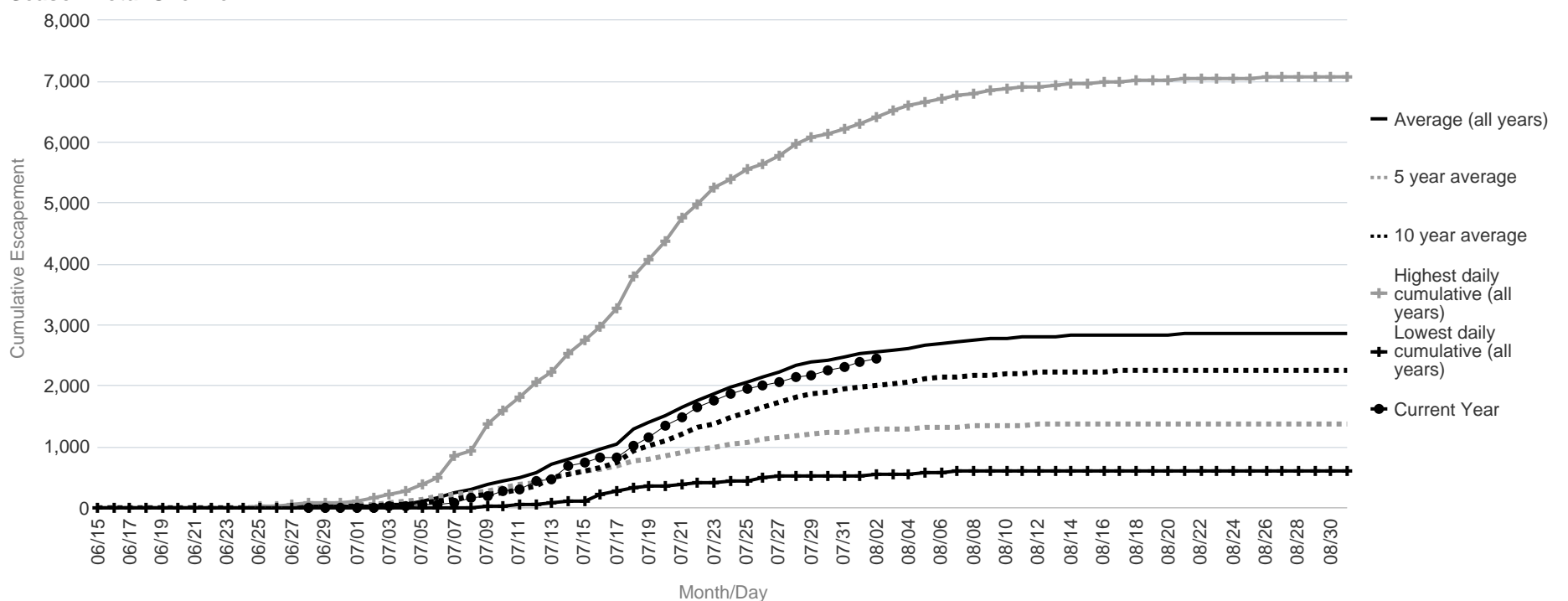
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	610	2,757	1,343	2,178	6,808	
08/09	612	2,771	1,350	2,189	6,843	
08/10	612	2,790	1,362	2,207	6,874	
08/11	616	2,802	1,364	2,216	6,901	
08/12	617	2,812	1,370	2,225	6,925	
08/13	618	2,823	1,376	2,234	6,946	
08/14	619	2,829	1,378	2,239	6,964	
08/15	620	2,835	1,382	2,243	6,980	
08/16	620	2,840	1,383	2,246	6,994	
08/17	620	2,843	1,384	2,249	7,006	
08/18	621	2,847	1,385	2,251	7,017	
08/19	621	2,850	1,386	2,253	7,026	
08/20	621	2,851	1,387	2,254	7,034	
08/21	621	2,854	1,387	2,256	7,041	
08/22	621	2,856	1,388	2,257	7,047	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	625	2,866	1,391	2,264	7,075

Focused Two-Week Data View



Season Total Overview



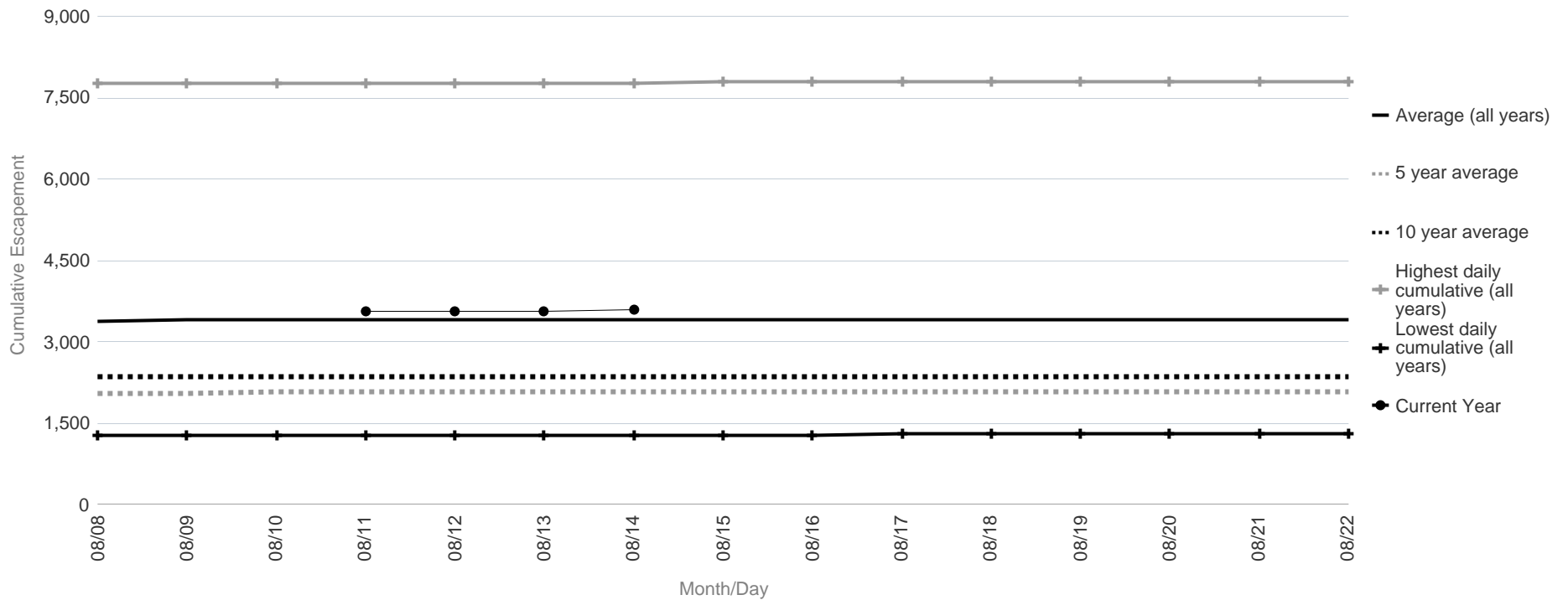
George River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 1,800 to 3,300

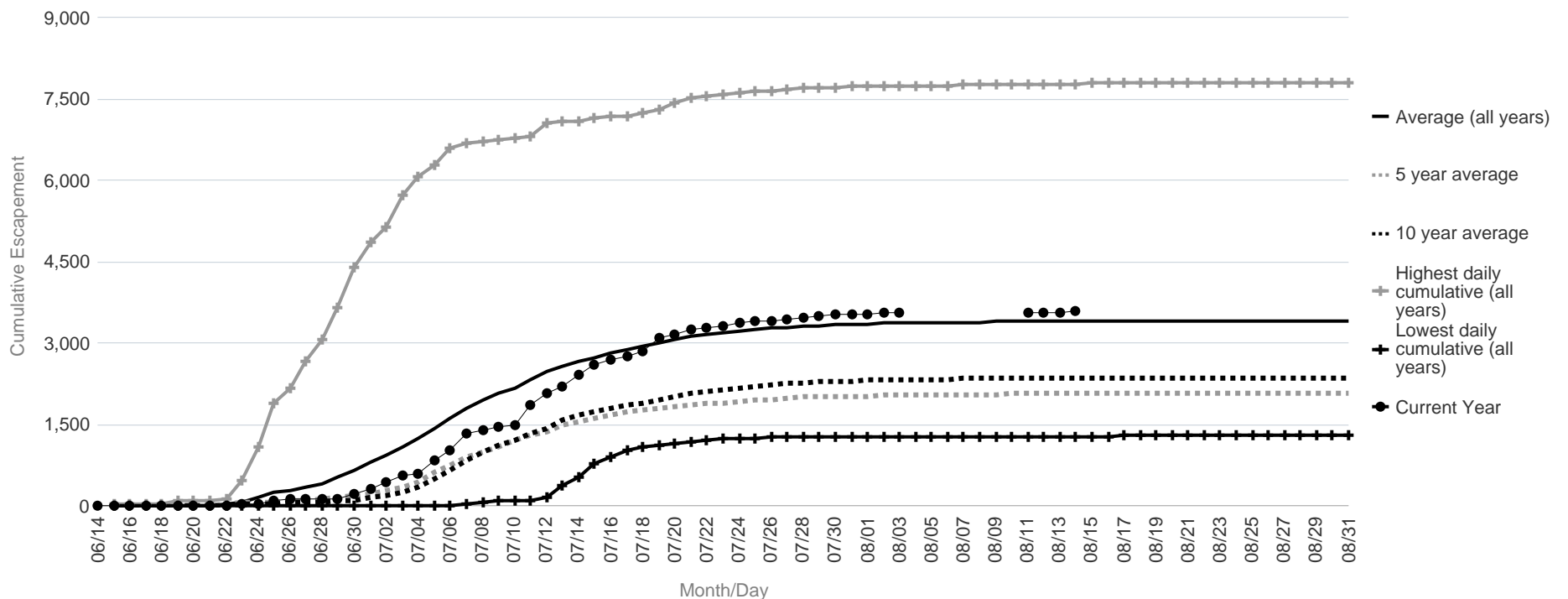
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	1,284	3,395	2,060	2,345	7,765	
08/09	1,285	3,397	2,063	2,347	7,770	
08/10	1,285	3,401	2,066	2,351	7,771	
08/11	1,286	3,404	2,069	2,355	7,774	3,573
08/12	1,288	3,408	2,070	2,357	7,782	3,575
08/13	1,288	3,409	2,072	2,358	7,787	3,577
08/14	1,288	3,412	2,073	2,361	7,790	3,583
08/15	1,288	3,414	2,075	2,362	7,794	
08/16	1,288	3,416	2,076	2,364	7,802	
08/17	1,290	3,418	2,078	2,365	7,803	
08/18	1,290	3,419	2,078	2,366	7,804	
08/19	1,290	3,420	2,081	2,367	7,804	
08/20	1,290	3,420	2,081	2,367	7,807	
08/21	1,291	3,421	2,082	2,368	7,809	
08/22	1,291	3,421	2,082	2,368	7,810	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	1,292	3,426	2,086	2,371	7,810

Focused Two-Week Data View



Season Total Overview



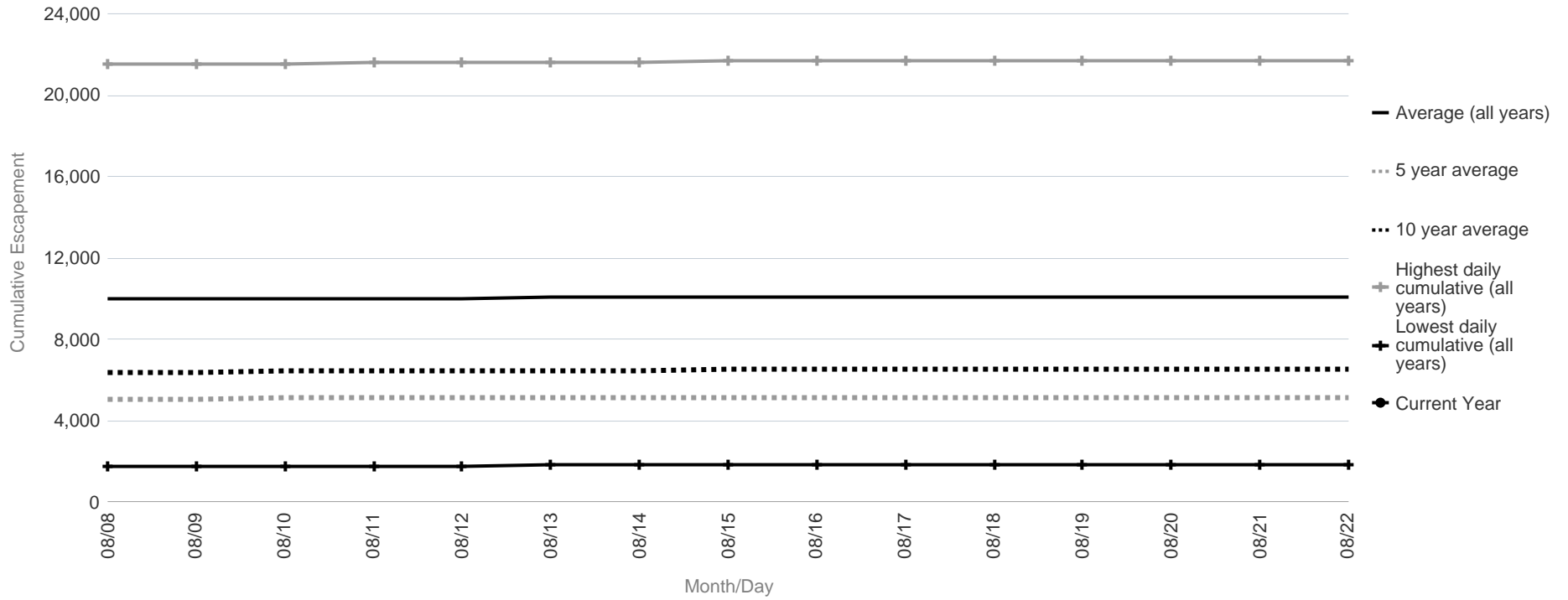
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 4,800 to 8,800

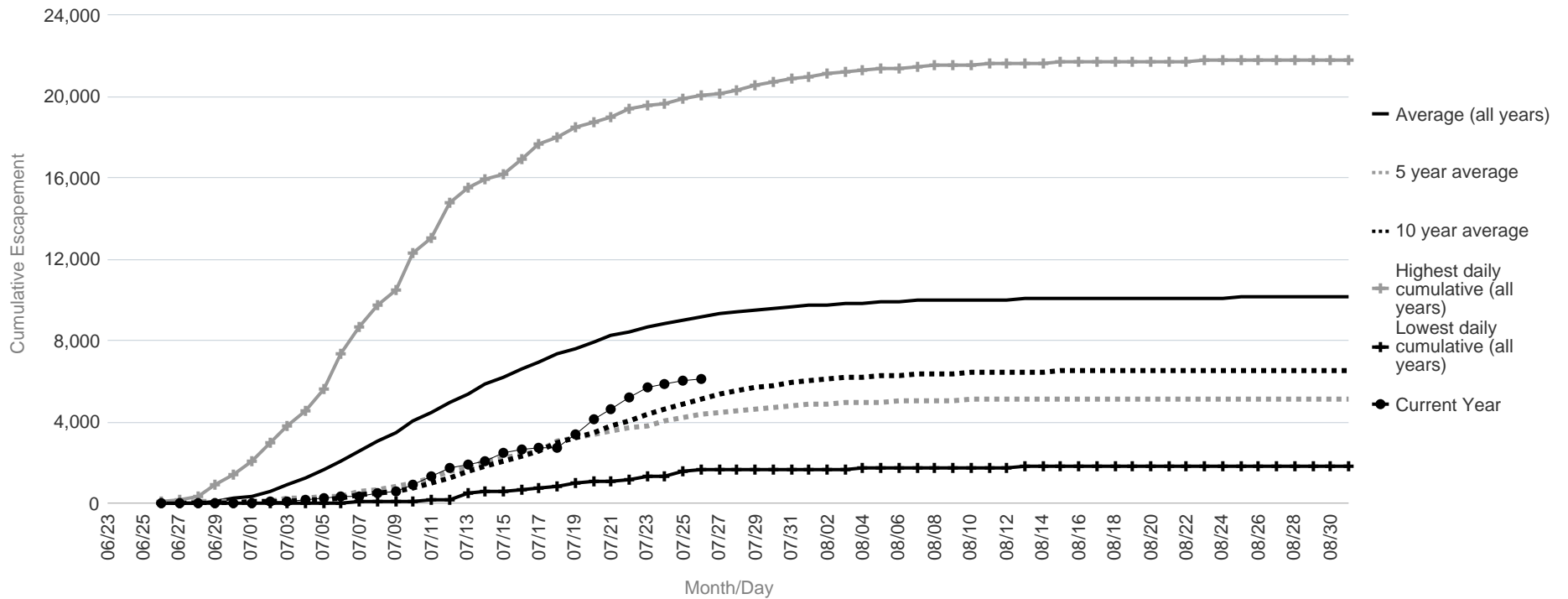
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	1,756	9,981	5,061	6,380	21,527	
08/09	1,765	9,997	5,076	6,407	21,557	
08/10	1,773	10,013	5,092	6,431	21,589	
08/11	1,780	10,025	5,101	6,451	21,603	
08/12	1,786	10,041	5,111	6,469	21,629	
08/13	1,791	10,053	5,118	6,480	21,662	
08/14	1,795	10,063	5,125	6,492	21,678	
08/15	1,799	10,073	5,134	6,502	21,691	
08/16	1,802	10,082	5,140	6,513	21,698	
08/17	1,805	10,090	5,145	6,523	21,707	
08/18	1,808	10,097	5,148	6,531	21,730	
08/19	1,810	10,103	5,154	6,537	21,746	
08/20	1,812	10,108	5,157	6,542	21,755	
08/21	1,814	10,113	5,161	6,547	21,763	
08/22	1,816	10,117	5,163	6,550	21,766	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	1,819	10,139	5,172	6,564	21,819

Focused Two-Week Data View



Season Total Overview

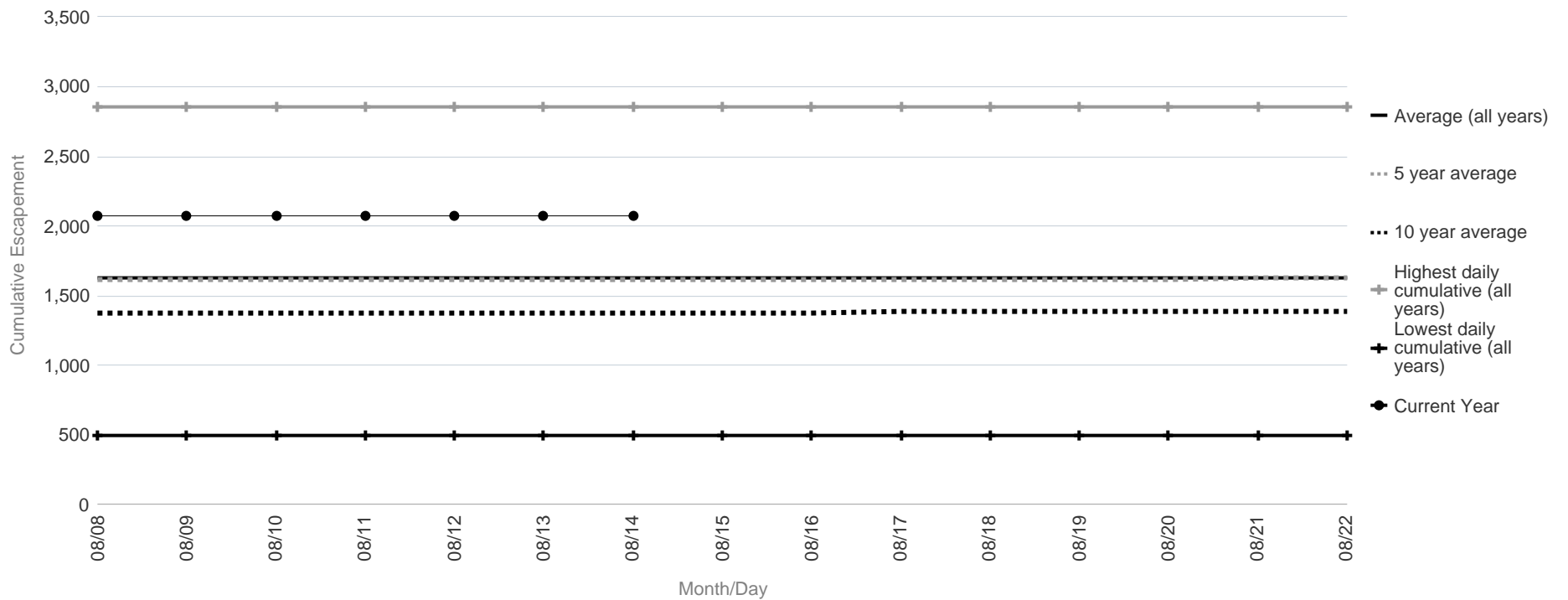


Tatlawiksuk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

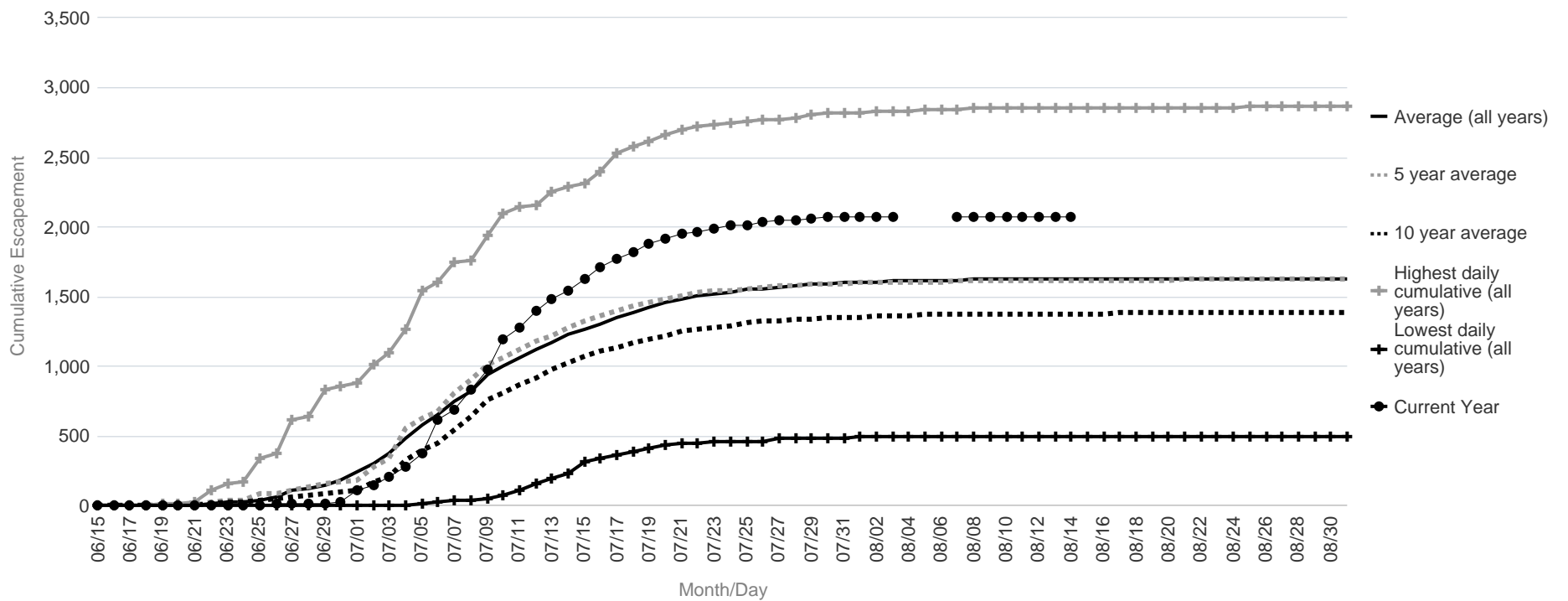
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	492	1,623	1,612	1,374	2,851	2,075
08/09	494	1,624	1,613	1,376	2,851	2,075
08/10	494	1,625	1,614	1,376	2,851	2,076
08/11	494	1,626	1,616	1,378	2,851	2,077
08/12	495	1,627	1,618	1,378	2,851	2,077
08/13	495	1,627	1,618	1,379	2,852	2,077
08/14	495	1,628	1,619	1,379	2,853	2,077
08/15	495	1,628	1,620	1,380	2,855	
08/16	495	1,629	1,621	1,380	2,856	
08/17	495	1,629	1,621	1,381	2,856	
08/18	495	1,629	1,621	1,381	2,857	
08/19	495	1,629	1,621	1,381	2,857	
08/20	495	1,629	1,621	1,381	2,858	
08/21	495	1,630	1,622	1,382	2,858	
08/22	495	1,630	1,622	1,382	2,860	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	495	1,631	1,623	1,383	2,864

Focused Two-Week Data View



Season Total Overview

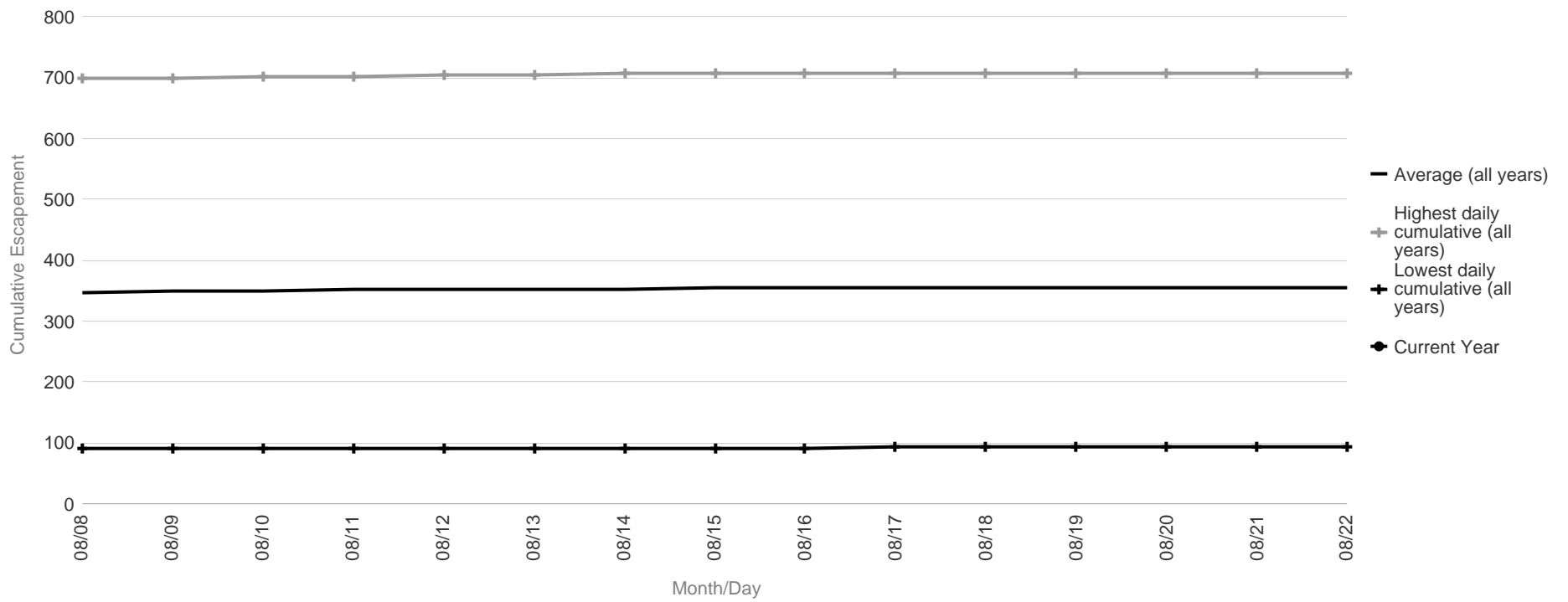


Takotna River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

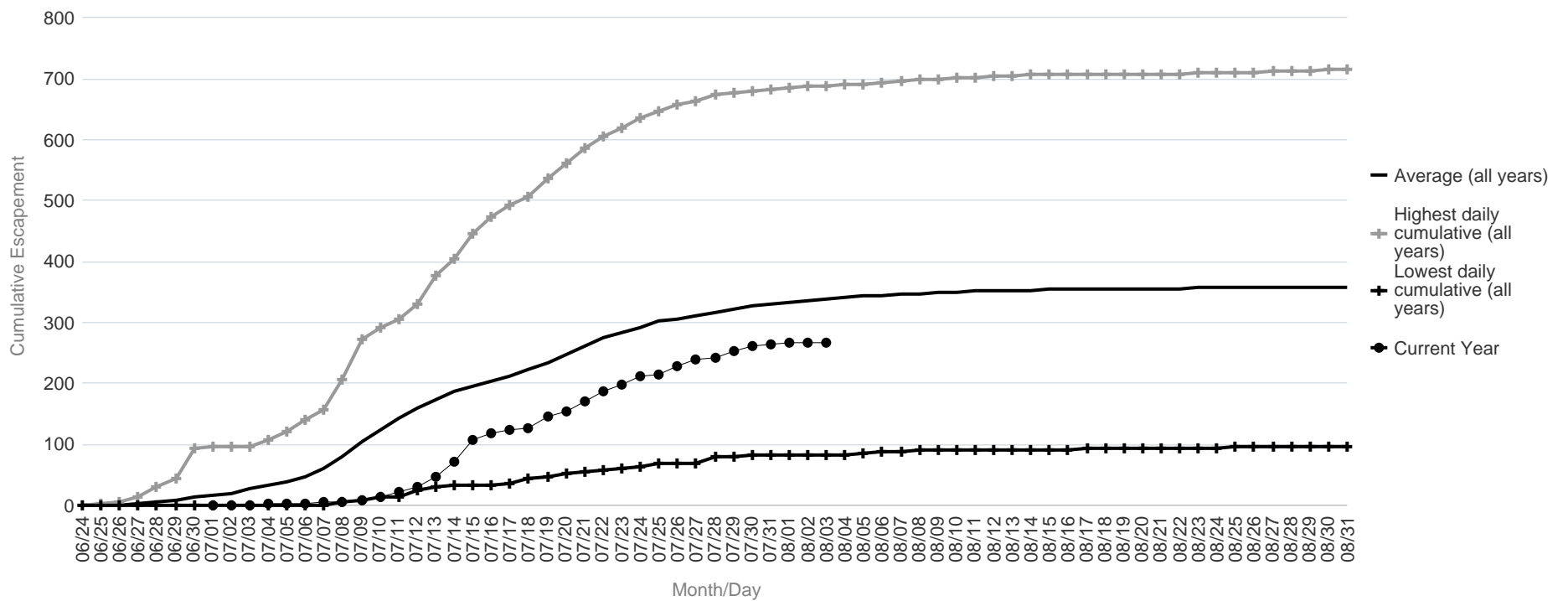
Date	Lowest daily cumulative (all years)	Average (all years)	Highest daily cumulative (all years)	Current Year
08/08	92	348	699	
08/09	92	350	700	
08/10	92	351	702	
08/11	92	351	703	
08/12	92	353	705	
08/13	92	353	706	
08/14	92	354	707	
08/15	92	355	707	
08/16	92	355	708	
08/17	94	355	708	
08/18	94	356	709	
08/19	95	356	709	
08/20	95	356	709	
08/21	95	357	709	
08/22	95	357	709	

	Lowest Count	Average Count	Highest Count
Season Total	97	361	718

Focused Two-Week Data View



Season Total Overview

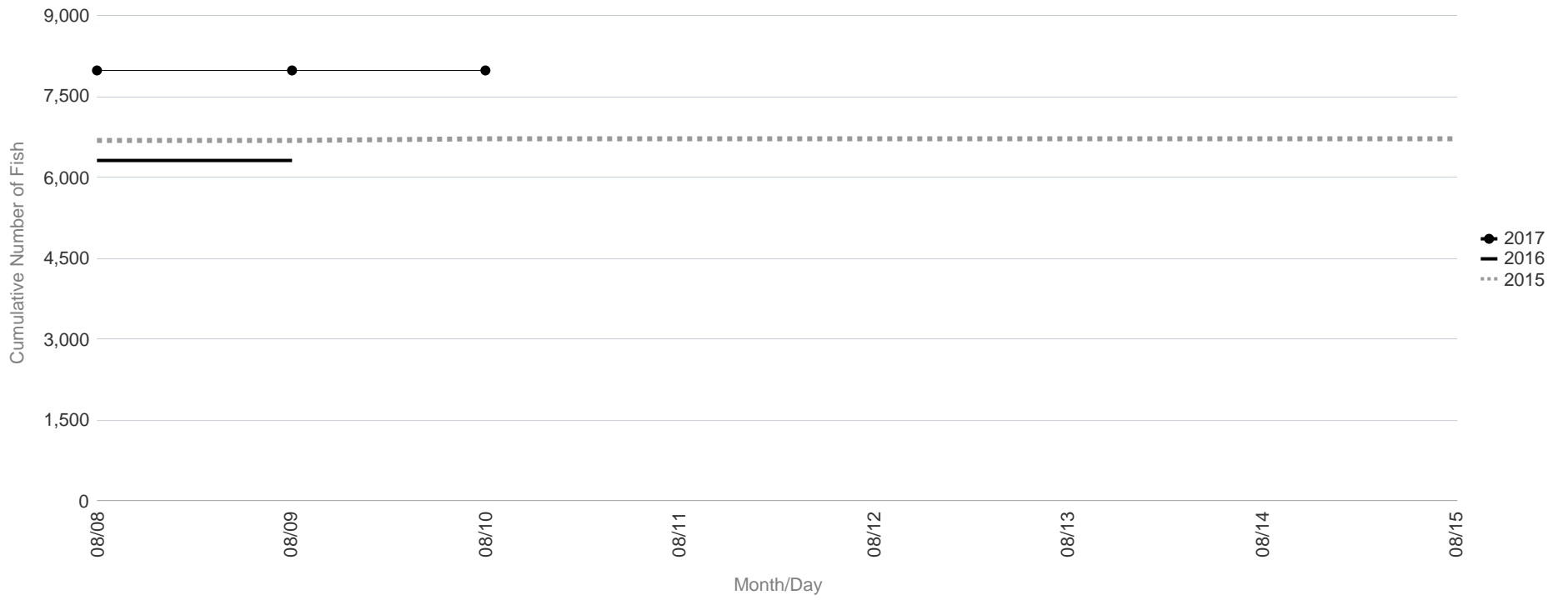


Salmon River (Pitka Fork) Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

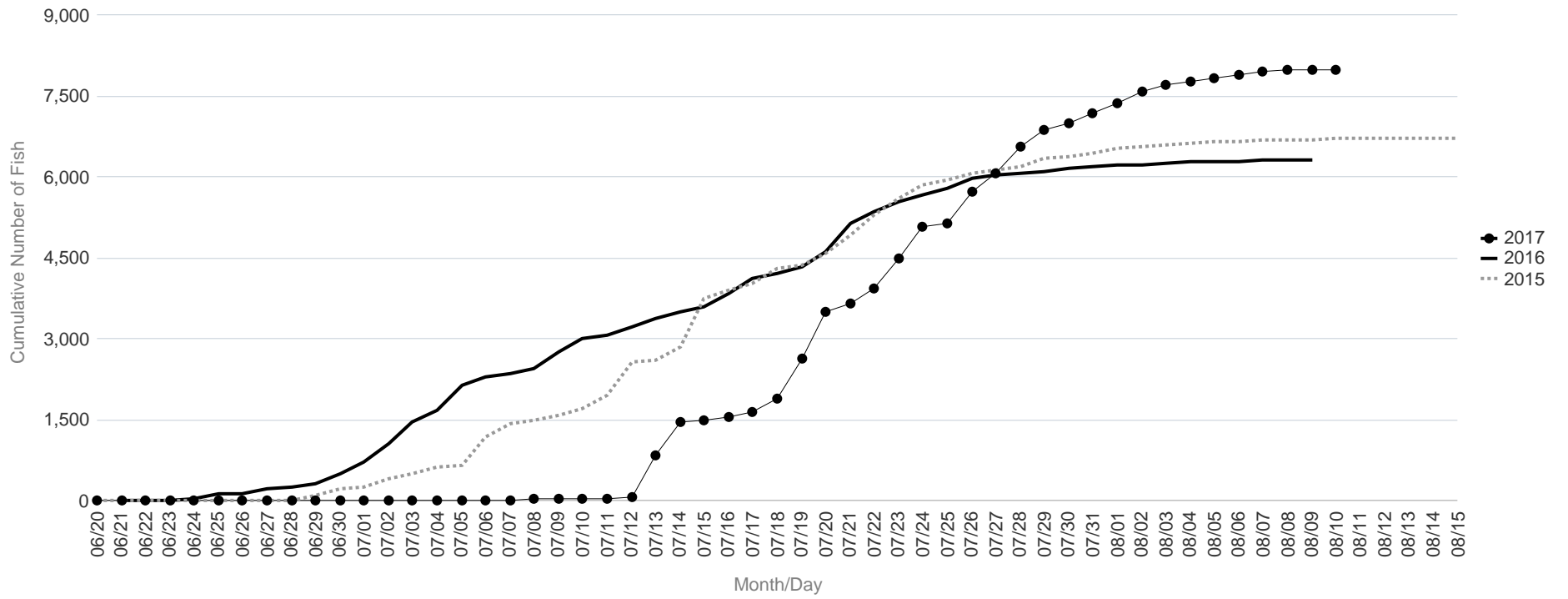
Cumulative Daily Passage			
Date	2015	2016	2017
08/08	6,685	6,324	7,978
08/09	6,699	6,326	7,994
08/10	6,708		8,003
08/11	6,713		
08/12	6,719		
08/13	6,724		
08/14	6,726		
08/15	6,736		

	2015	2016
Season Total	6,736	6,326

Focused Two-Week Data View



Season Total Overview

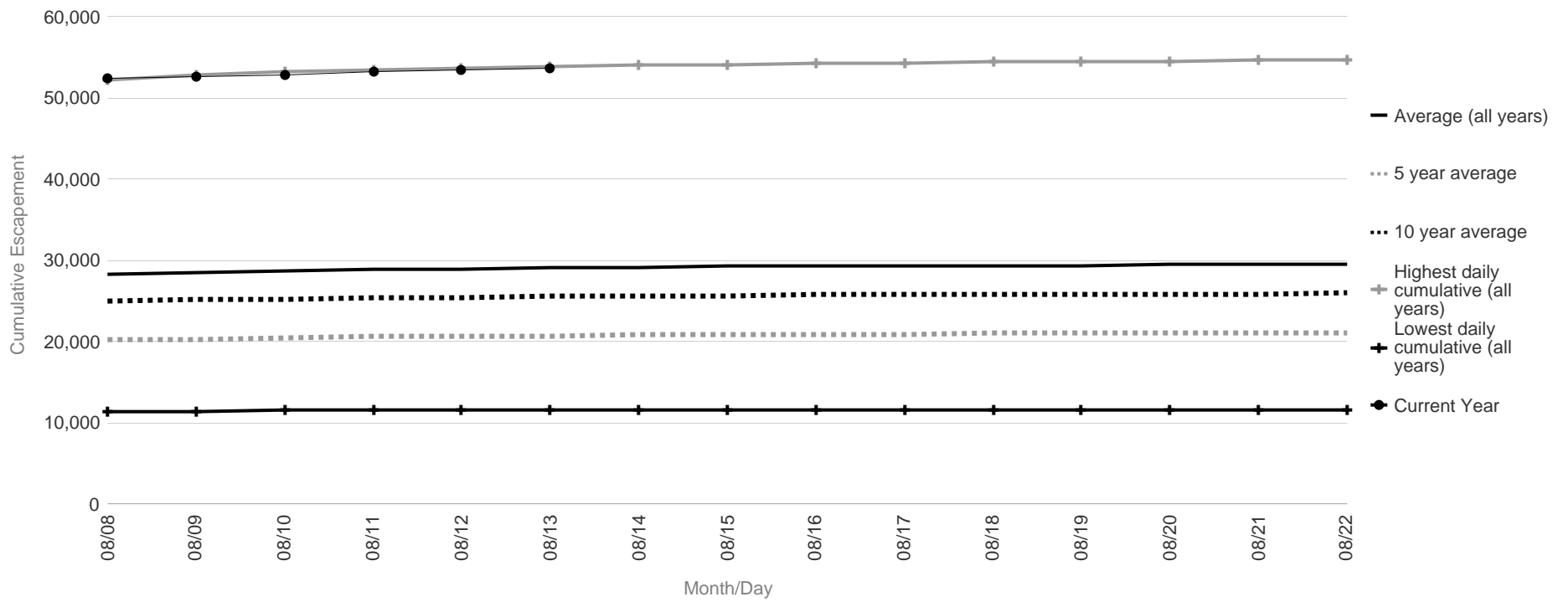


Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

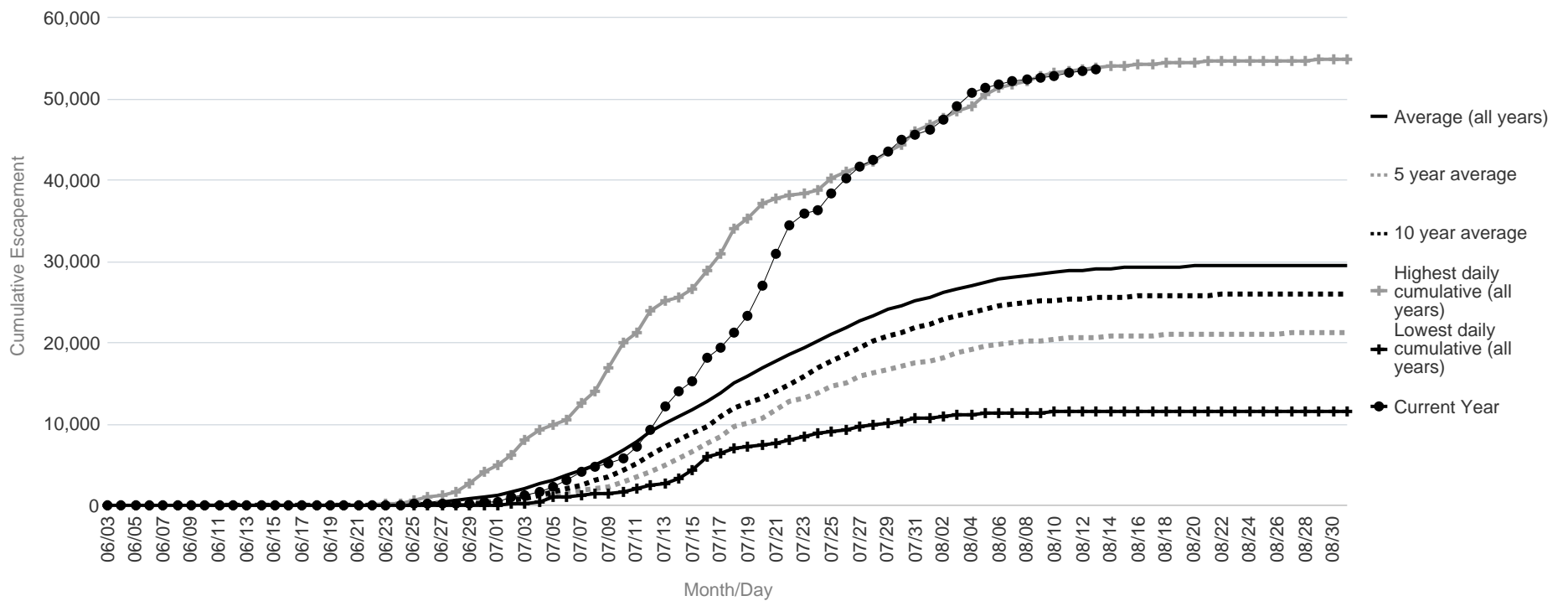
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	11,435	28,383	20,180	24,945	52,349	52,391
08/09	11,453	28,611	20,351	25,131	52,841	52,611
08/10	11,511	28,780	20,492	25,295	53,339	52,890
08/11	11,544	28,897	20,570	25,390	53,546	53,267
08/12	11,558	28,998	20,629	25,472	53,718	53,508
08/13	11,579	29,113	20,737	25,568	53,999	53,753
08/14	11,595	29,205	20,818	25,649	54,111	
08/15	11,604	29,269	20,883	25,704	54,166	
08/16	11,610	29,314	20,919	25,745	54,255	
08/17	11,620	29,359	20,956	25,792	54,379	
08/18	11,635	29,399	20,989	25,831	54,483	
08/19	11,644	29,430	21,025	25,865	54,546	
08/20	11,648	29,460	21,062	25,895	54,599	
08/21	11,650	29,485	21,094	25,921	54,643	
08/22	11,654	29,506	21,120	25,943	54,676	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	11,691	29,618	21,294	26,071	54,913

Focused Two-Week Data View



Season Total Overview

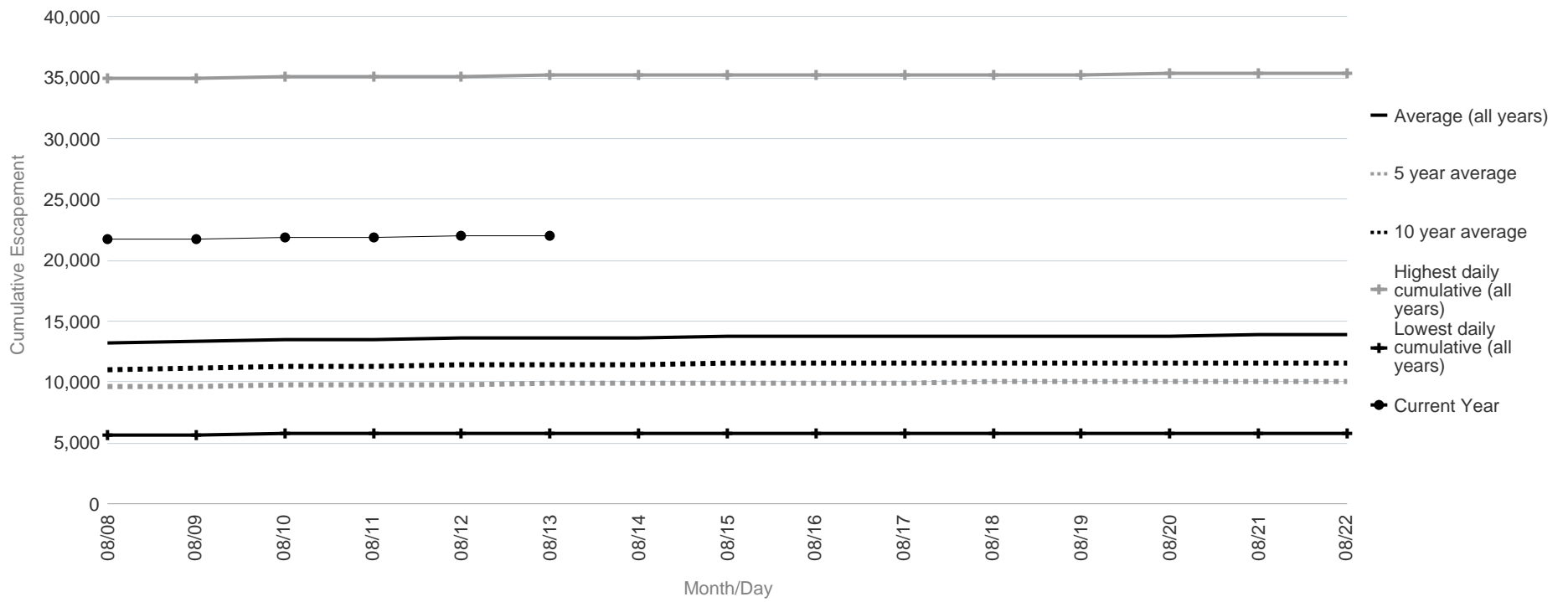


Tuluksak River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

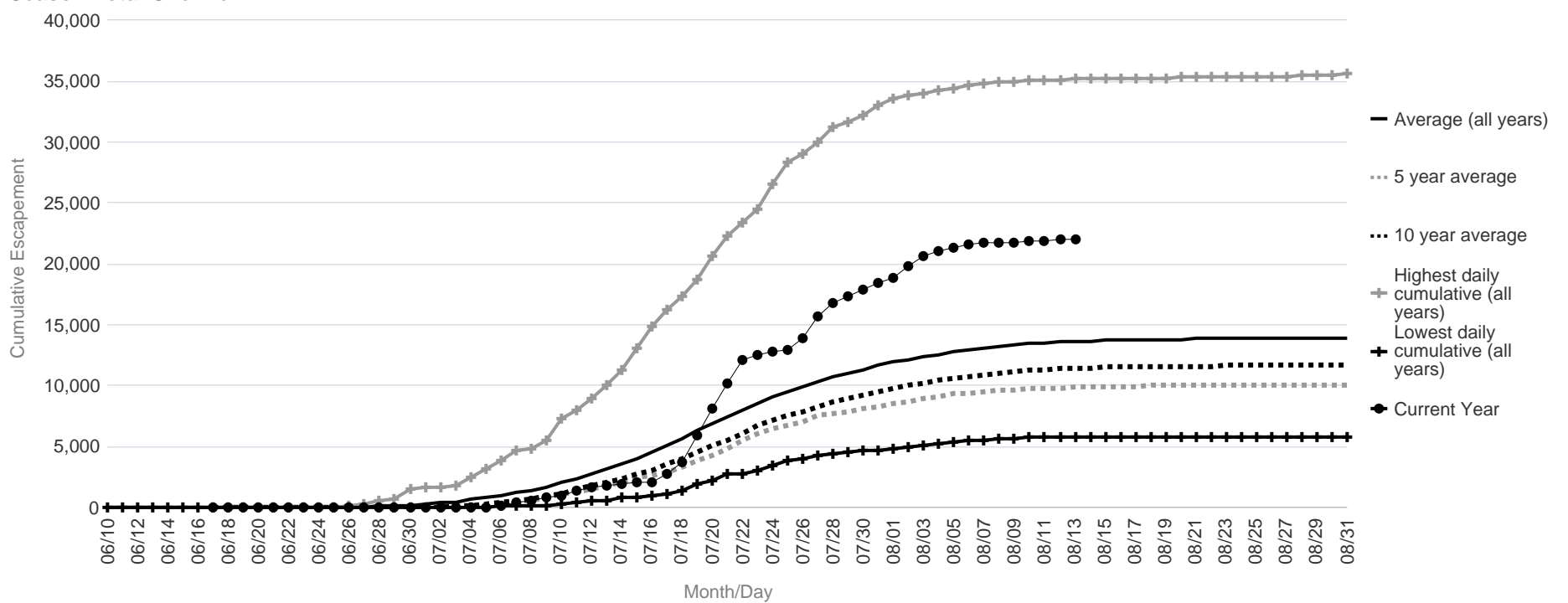
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	5,639	13,247	9,623	11,070	34,923	21,802
08/09	5,685	13,359	9,700	11,187	34,999	21,829
08/10	5,733	13,453	9,775	11,292	35,046	21,880
08/11	5,745	13,533	9,814	11,367	35,102	21,957
08/12	5,747	13,601	9,854	11,433	35,120	21,978
08/13	5,764	13,654	9,893	11,468	35,187	22,074
08/14	5,772	13,695	9,923	11,500	35,208	
08/15	5,790	13,734	9,950	11,538	35,231	
08/16	5,794	13,763	9,968	11,563	35,248	
08/17	5,800	13,792	9,988	11,591	35,263	
08/18	5,804	13,815	10,002	11,608	35,290	
08/19	5,813	13,832	10,014	11,619	35,301	
08/20	5,814	13,850	10,023	11,630	35,318	
08/21	5,827	13,866	10,033	11,639	35,349	
08/22	5,830	13,877	10,044	11,648	35,380	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	5,868	13,997	10,170	11,741	35,696

Focused Two-Week Data View



Season Total Overview

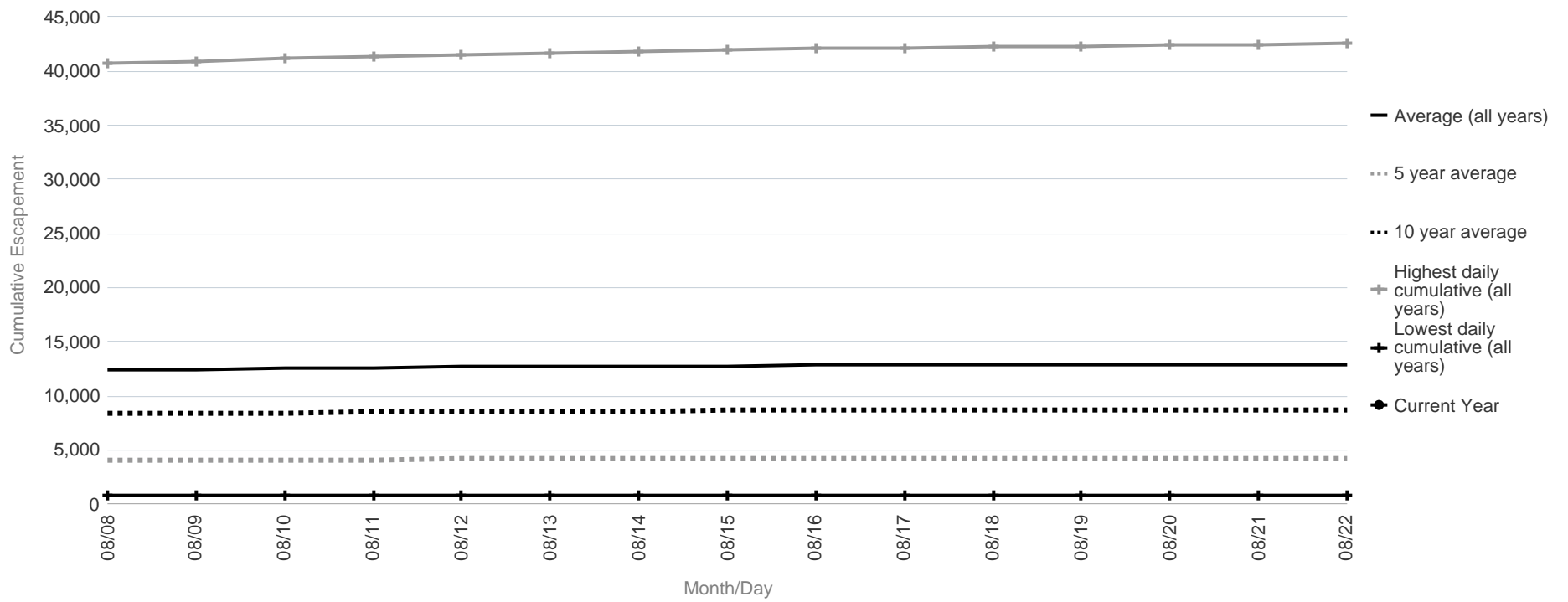


Salmon River (Aniak) Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

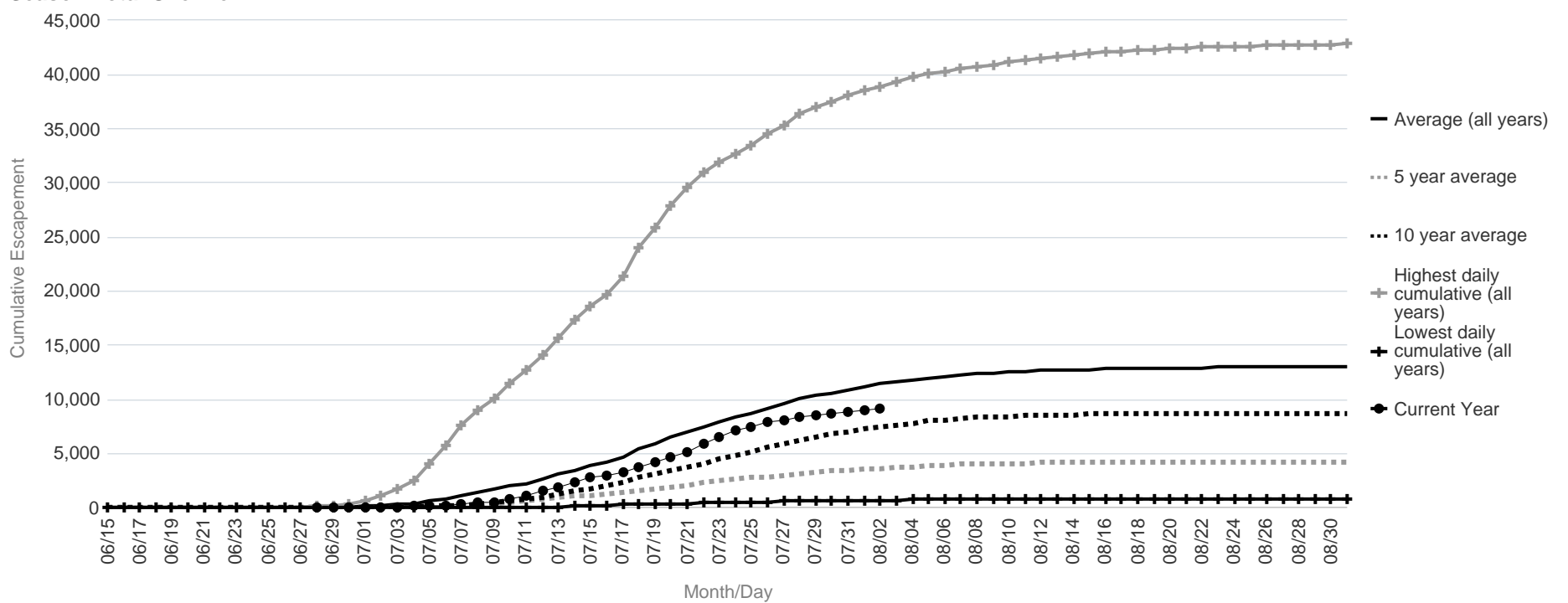
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	766	12,367	4,042	8,320	40,695	
08/09	776	12,456	4,067	8,386	40,940	
08/10	784	12,529	4,091	8,439	41,160	
08/11	789	12,598	4,108	8,490	41,357	
08/12	796	12,654	4,130	8,529	41,533	
08/13	797	12,713	4,156	8,573	41,691	
08/14	802	12,755	4,176	8,601	41,832	
08/15	805	12,794	4,194	8,628	41,958	
08/16	807	12,828	4,202	8,650	42,070	
08/17	809	12,858	4,215	8,670	42,170	
08/18	810	12,882	4,225	8,685	42,259	
08/19	811	12,902	4,232	8,696	42,339	
08/20	812	12,921	4,239	8,708	42,410	
08/21	813	12,937	4,245	8,718	42,473	
08/22	814	12,950	4,250	8,724	42,529	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	816	13,013	4,272	8,754	42,825

Focused Two-Week Data View



Season Total Overview

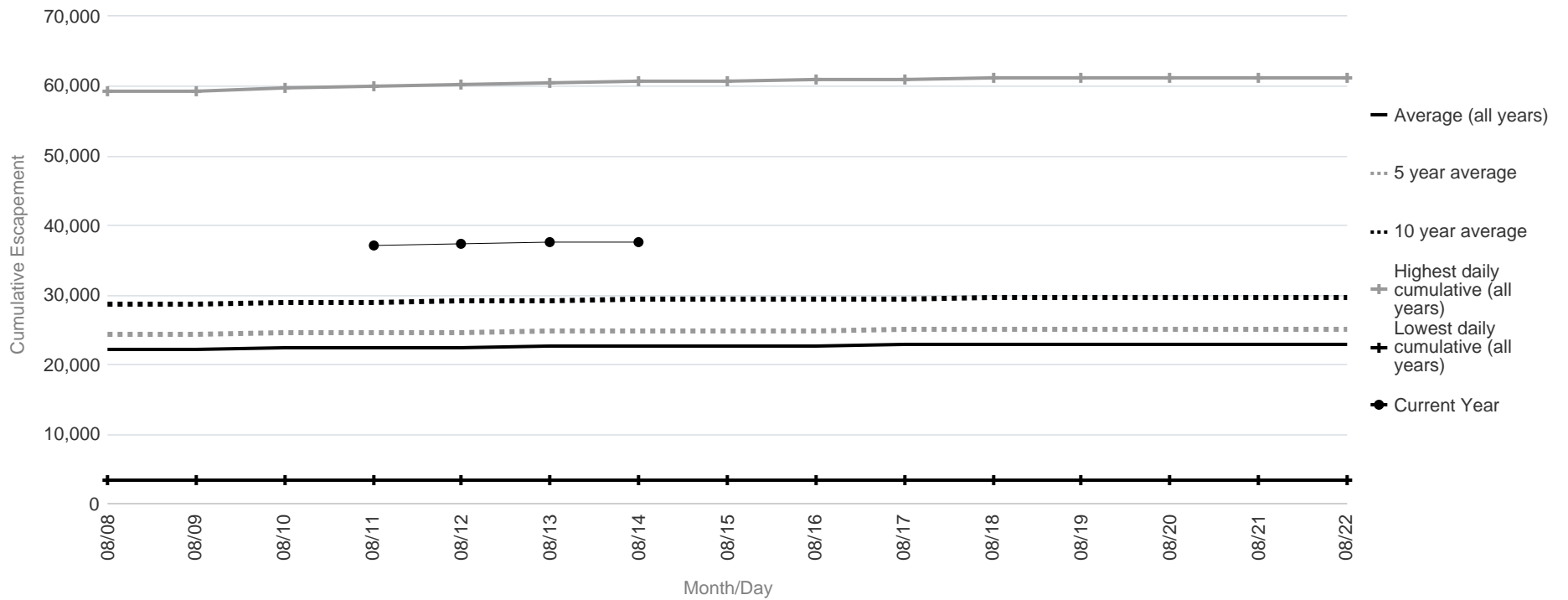


George River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

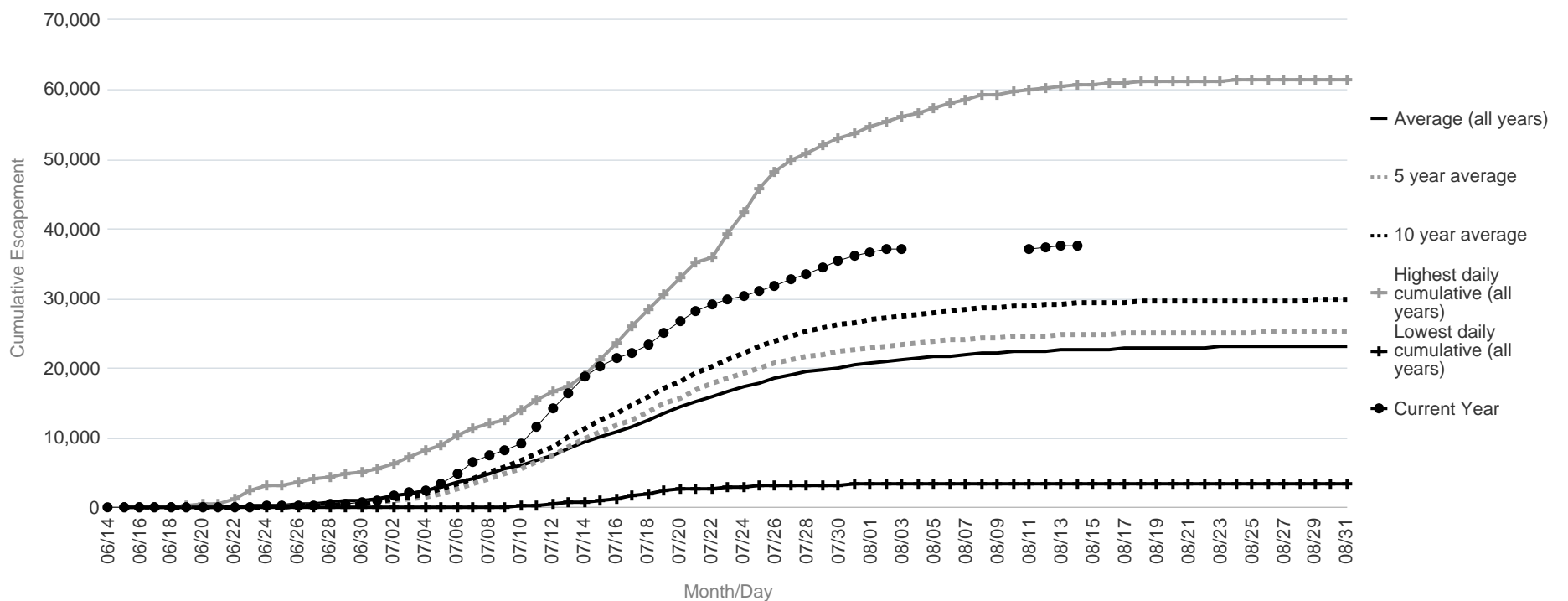
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	3,434	22,119	24,295	28,638	59,165	
08/09	3,440	22,223	24,402	28,749	59,193	
08/10	3,443	22,339	24,496	28,897	59,717	
08/11	3,449	22,435	24,583	29,019	60,069	37,234
08/12	3,451	22,521	24,673	29,128	60,344	37,387
08/13	3,468	22,596	24,751	29,210	60,448	37,517
08/14	3,473	22,674	24,832	29,305	60,698	37,645
08/15	3,475	22,737	24,909	29,377	60,783	
08/16	3,477	22,788	24,958	29,434	60,899	
08/17	3,479	22,839	25,008	29,491	60,991	
08/18	3,480	22,893	25,050	29,544	61,088	
08/19	3,483	22,932	25,073	29,583	61,155	
08/20	3,490	22,969	25,097	29,621	61,220	
08/21	3,494	22,999	25,115	29,645	61,245	
08/22	3,494	23,030	25,141	29,674	61,286	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	3,507	23,223	25,344	29,852	61,531

Focused Two-Week Data View



Season Total Overview



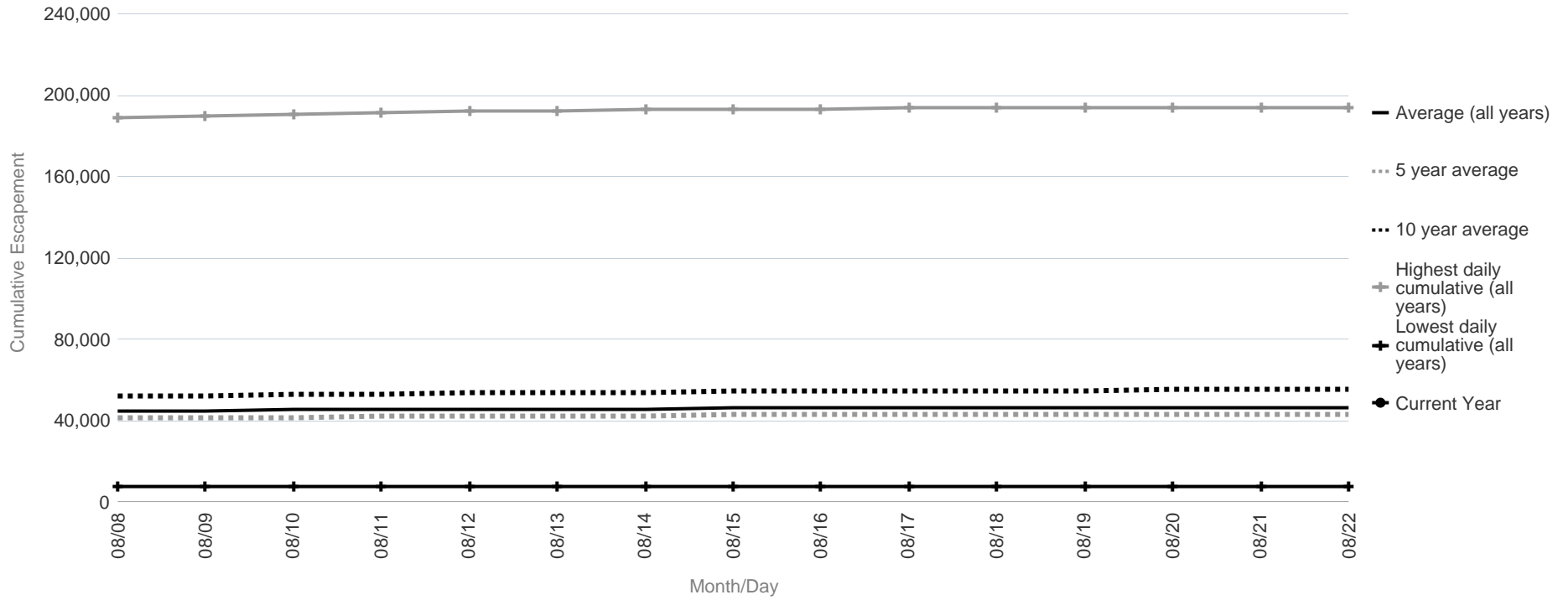
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

Escapement Goal Range: 15,000 to 49,000

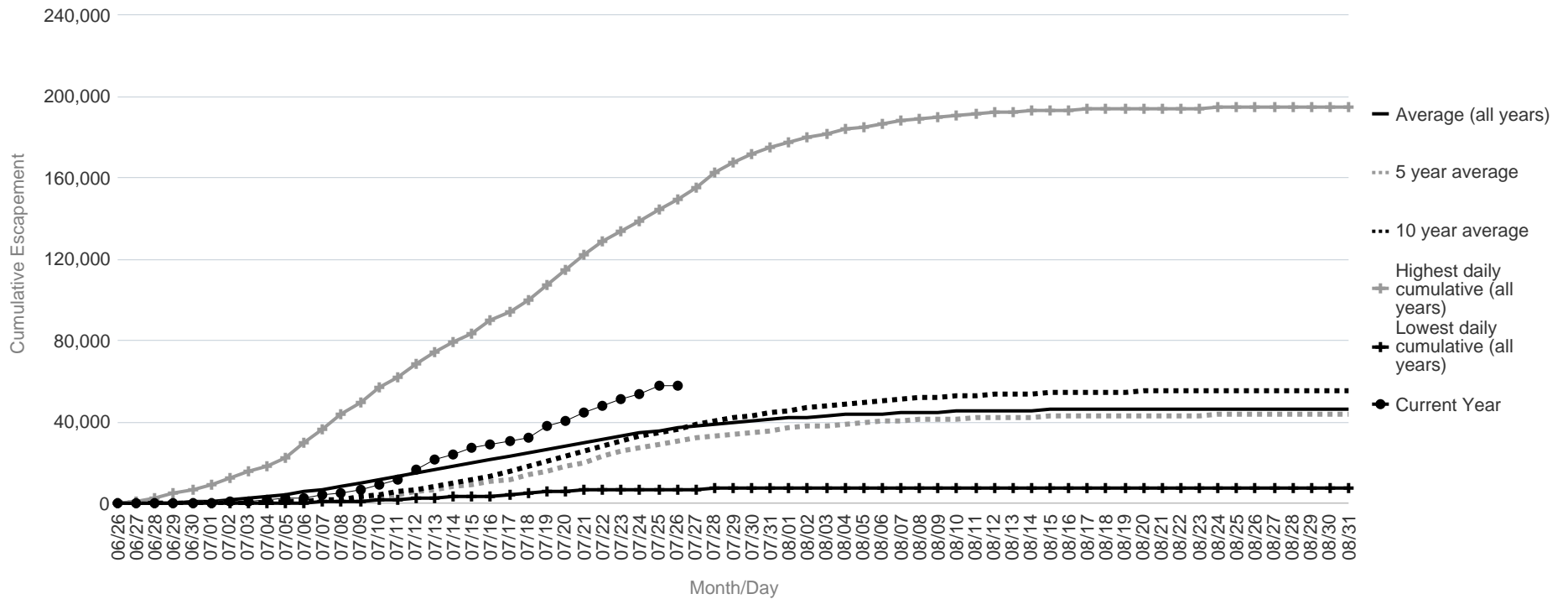
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	7,729	44,819	41,051	51,755	189,231	
08/09	7,757	45,034	41,329	52,230	190,369	
08/10	7,784	45,236	41,617	52,702	191,228	
08/11	7,852	45,414	41,928	53,114	191,894	
08/12	7,887	45,593	42,146	53,486	192,385	
08/13	7,920	45,742	42,329	53,775	192,817	
08/14	7,927	45,878	42,536	54,056	193,159	
08/15	7,938	46,004	42,740	54,323	193,442	
08/16	7,953	46,112	42,898	54,543	193,646	
08/17	7,958	46,208	43,036	54,740	193,834	
08/18	7,960	46,289	43,120	54,900	193,995	
08/19	7,962	46,358	43,198	55,019	194,146	
08/20	7,966	46,418	43,259	55,123	194,258	
08/21	7,967	46,477	43,330	55,228	194,356	
08/22	7,967	46,531	43,406	55,324	194,416	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	7,975	46,748	43,734	55,690	194,887

Focused Two-Week Data View



Season Total Overview

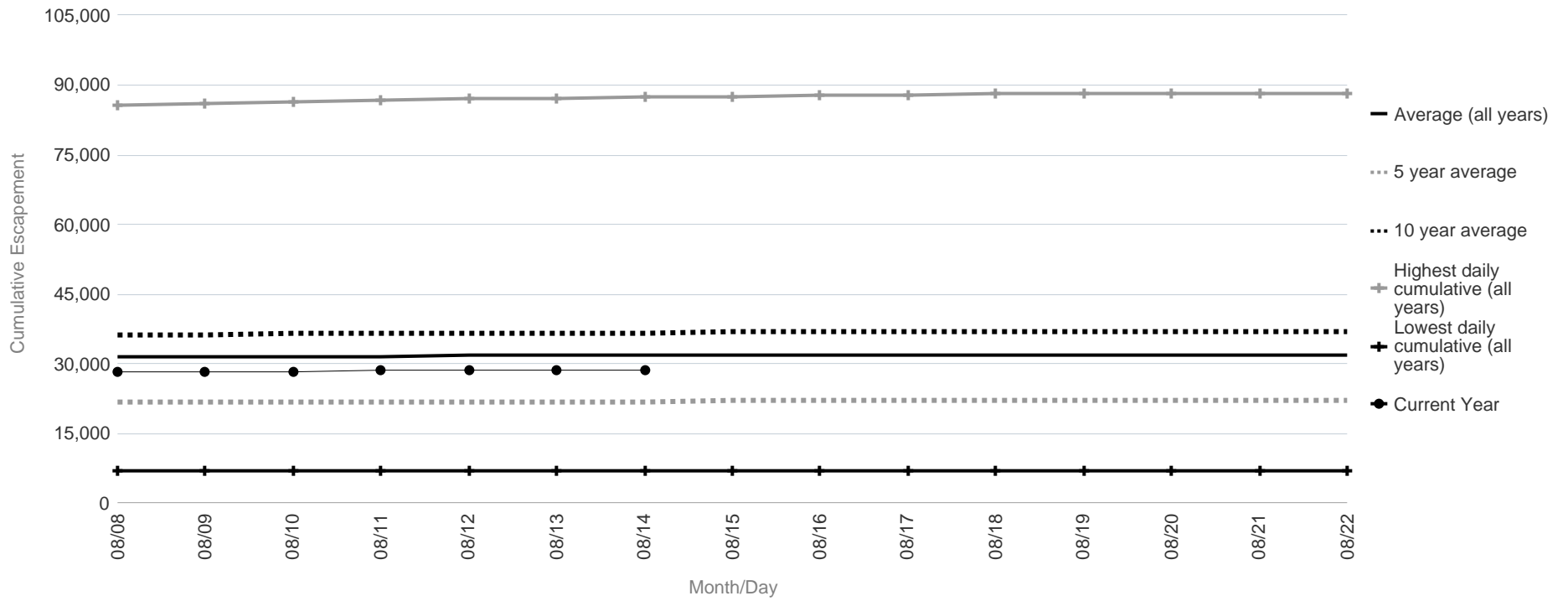


Tatlawiksuk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

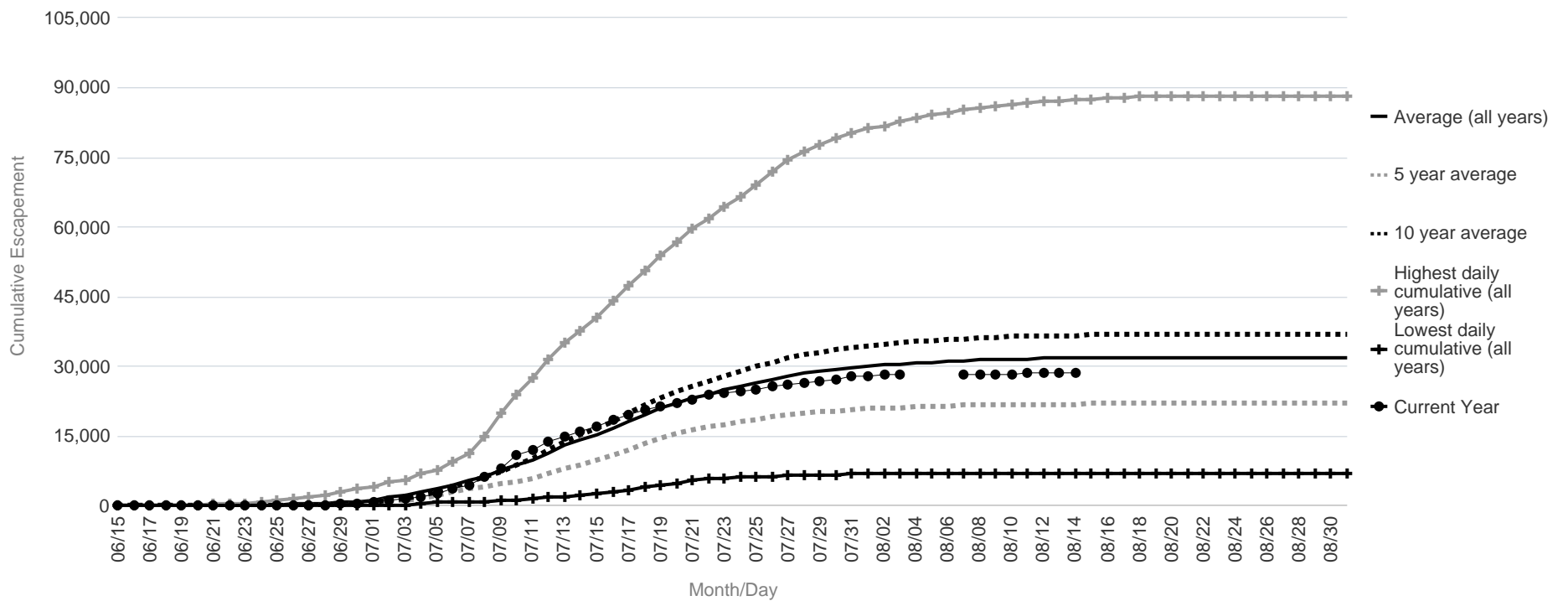
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	6,947	31,347	21,629	36,119	85,689	28,309
08/09	6,949	31,454	21,691	36,255	86,089	28,326
08/10	6,954	31,540	21,756	36,371	86,439	28,394
08/11	6,961	31,620	21,799	36,476	86,745	28,462
08/12	6,969	31,680	21,838	36,550	87,012	28,531
08/13	6,978	31,734	21,876	36,624	87,245	28,574
08/14	6,990	31,779	21,900	36,685	87,448	28,611
08/15	7,001	31,818	21,923	36,735	87,624	
08/16	7,011	31,852	21,942	36,782	87,777	
08/17	7,020	31,877	21,959	36,815	87,910	
08/18	7,028	31,903	21,976	36,851	88,026	
08/19	7,035	31,926	21,985	36,877	88,126	
08/20	7,041	31,943	21,994	36,894	88,134	
08/21	7,046	31,957	22,002	36,908	88,135	
08/22	7,051	31,975	22,008	36,926	88,145	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	7,076	32,034	22,043	36,974	88,202

Focused Two-Week Data View



Season Total Overview

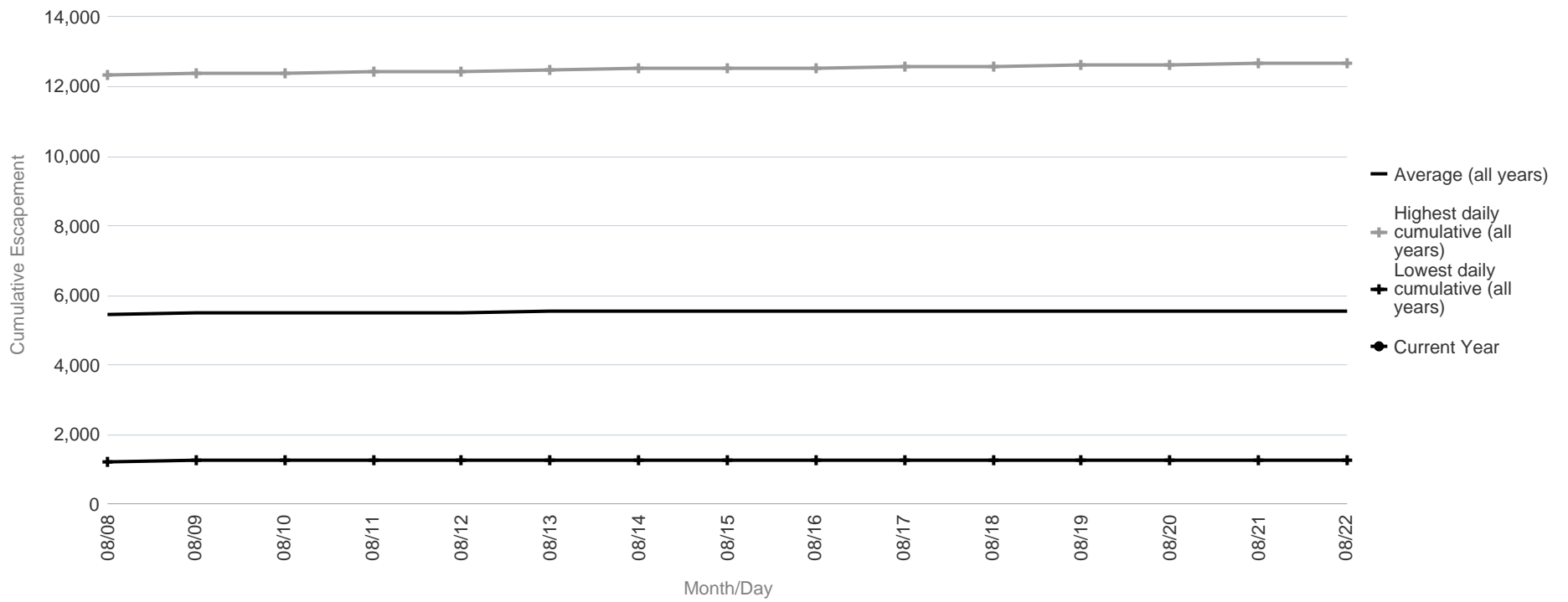


Takotna River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

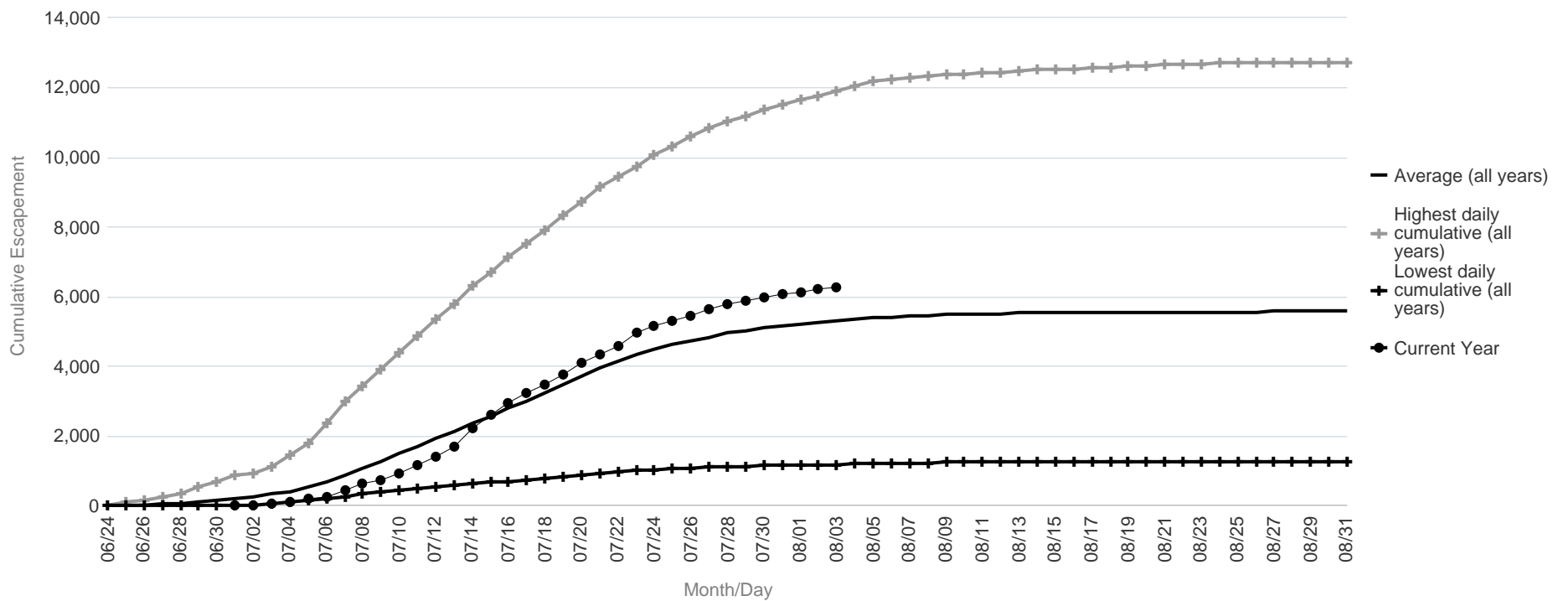
Date	Lowest daily cumulative (all years)	Average (all years)	Highest daily cumulative (all years)	Current Year
08/08	1,234	5,466	12,353	
08/09	1,239	5,482	12,382	
08/10	1,249	5,495	12,407	
08/11	1,255	5,507	12,435	
08/12	1,261	5,516	12,451	
08/13	1,263	5,524	12,472	
08/14	1,263	5,531	12,506	
08/15	1,263	5,538	12,525	
08/16	1,263	5,542	12,547	
08/17	1,263	5,546	12,563	
08/18	1,263	5,550	12,573	
08/19	1,263	5,554	12,605	
08/20	1,264	5,558	12,635	
08/21	1,264	5,562	12,663	
08/22	1,264	5,565	12,688	

	Lowest Count	Average Count	Highest Count
Season Total	1,265	5,576	12,729

Focused Two-Week Data View



Season Total Overview

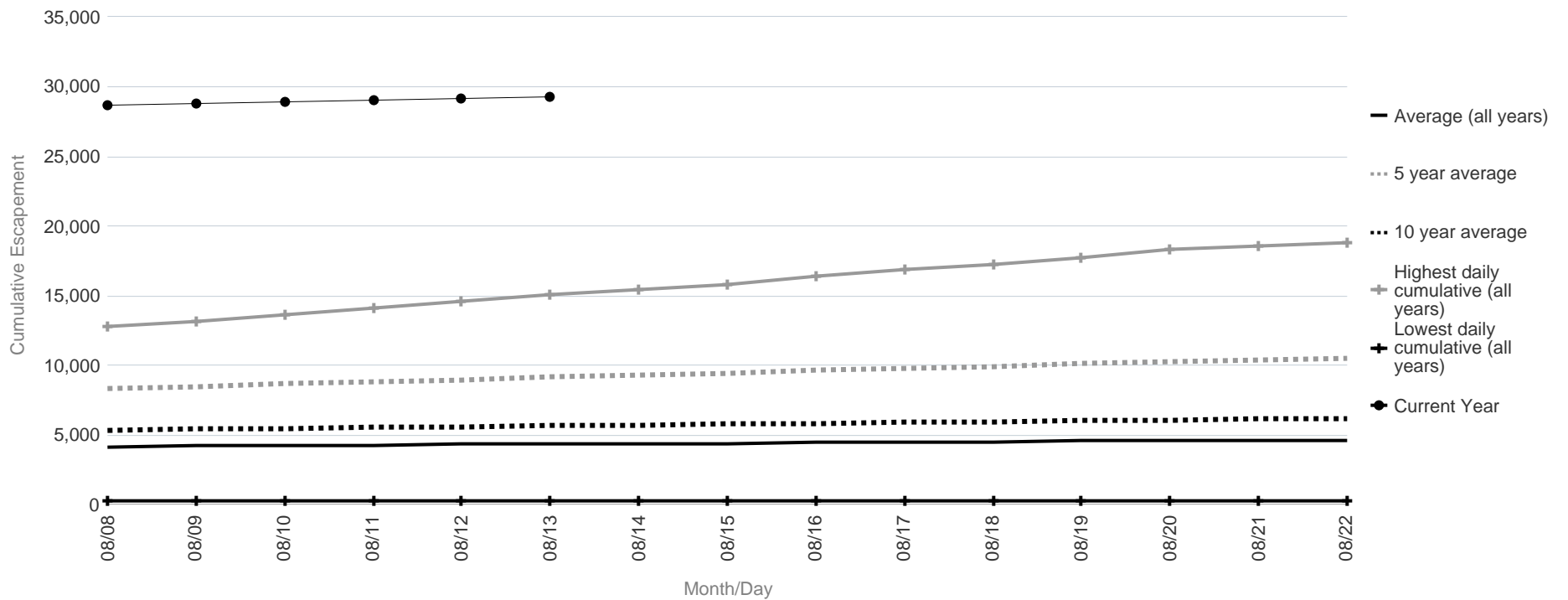


Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

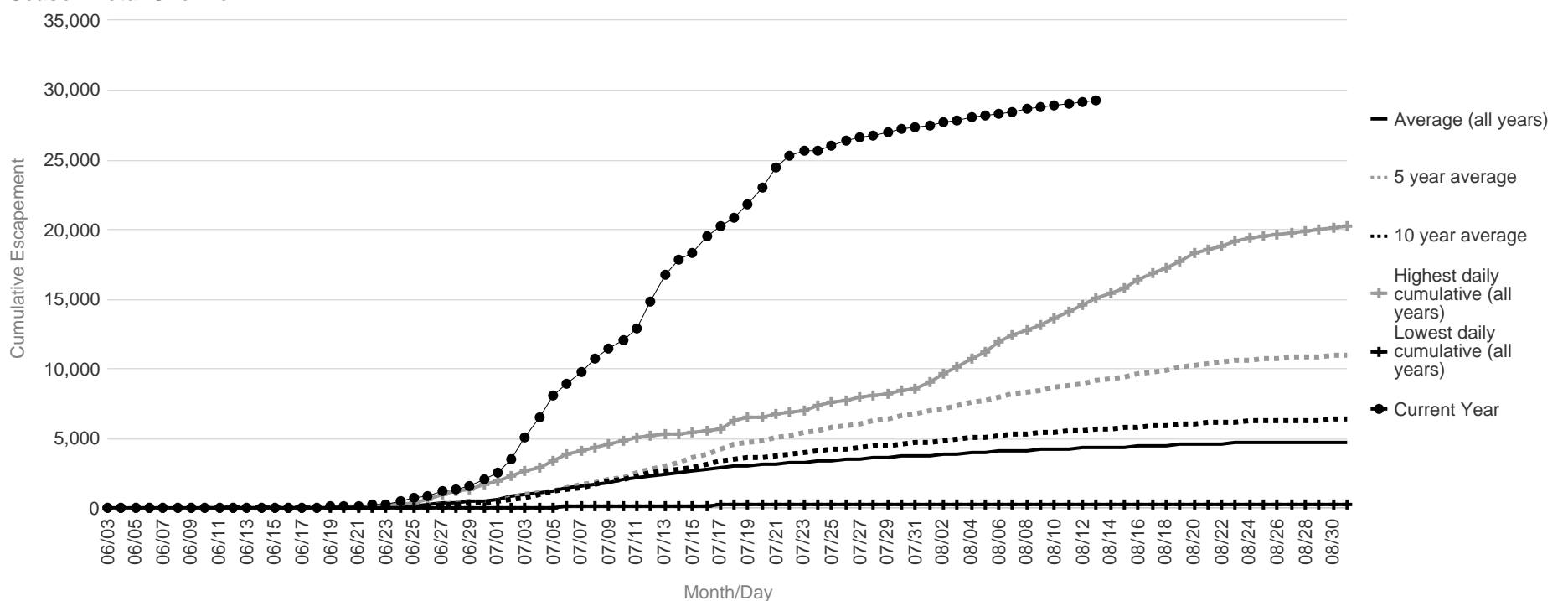
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	257	4,150	8,335	5,341	12,802	28,616
08/09	258	4,183	8,463	5,395	13,140	28,752
08/10	258	4,225	8,638	5,465	13,633	28,890
08/11	259	4,263	8,800	5,528	14,090	29,032
08/12	259	4,305	8,976	5,597	14,582	29,161
08/13	259	4,348	9,157	5,668	15,086	29,300
08/14	259	4,379	9,285	5,717	15,435	
08/15	259	4,413	9,431	5,774	15,845	
08/16	263	4,454	9,613	5,844	16,375	
08/17	263	4,489	9,771	5,905	16,834	
08/18	264	4,522	9,916	5,961	17,249	
08/19	264	4,557	10,073	6,020	17,707	
08/20	268	4,600	10,266	6,093	18,264	
08/21	268	4,628	10,382	6,138	18,590	
08/22	269	4,648	10,471	6,173	18,847	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	272	4,793	11,090	6,415	20,495

Focused Two-Week Data View



Season Total Overview

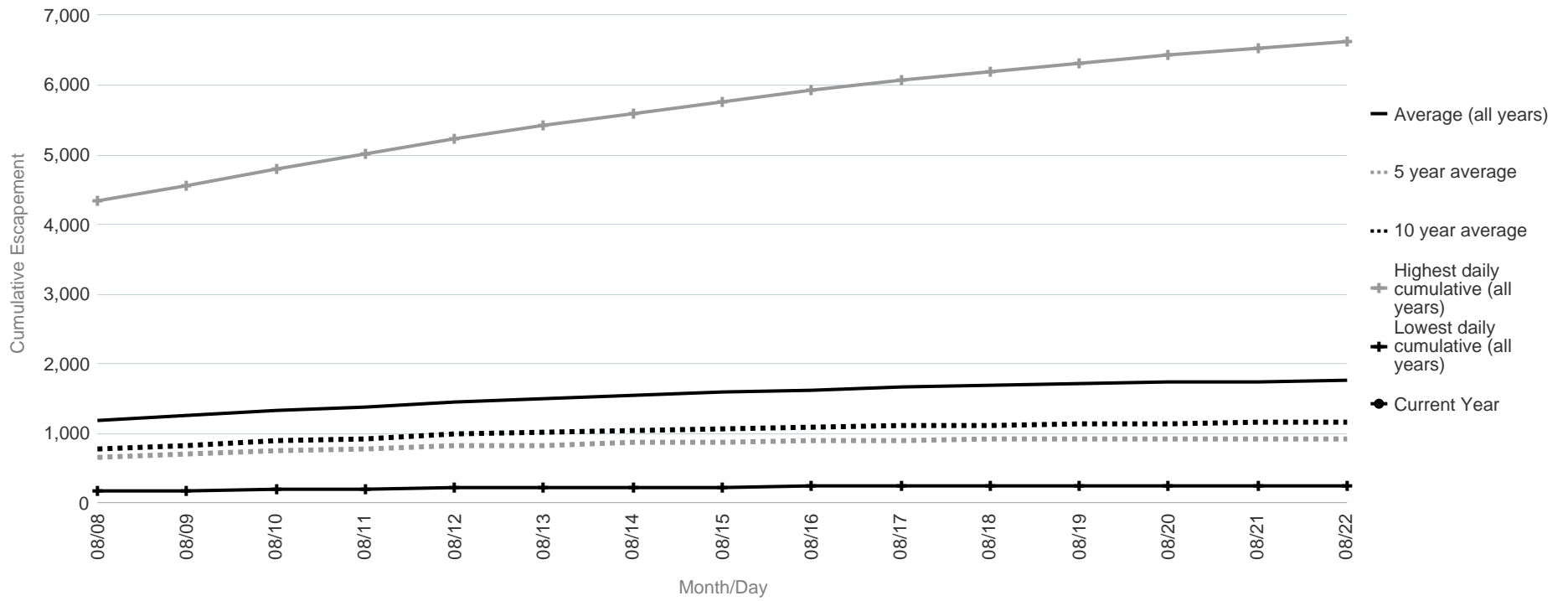


Salmon River (Aniak) Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

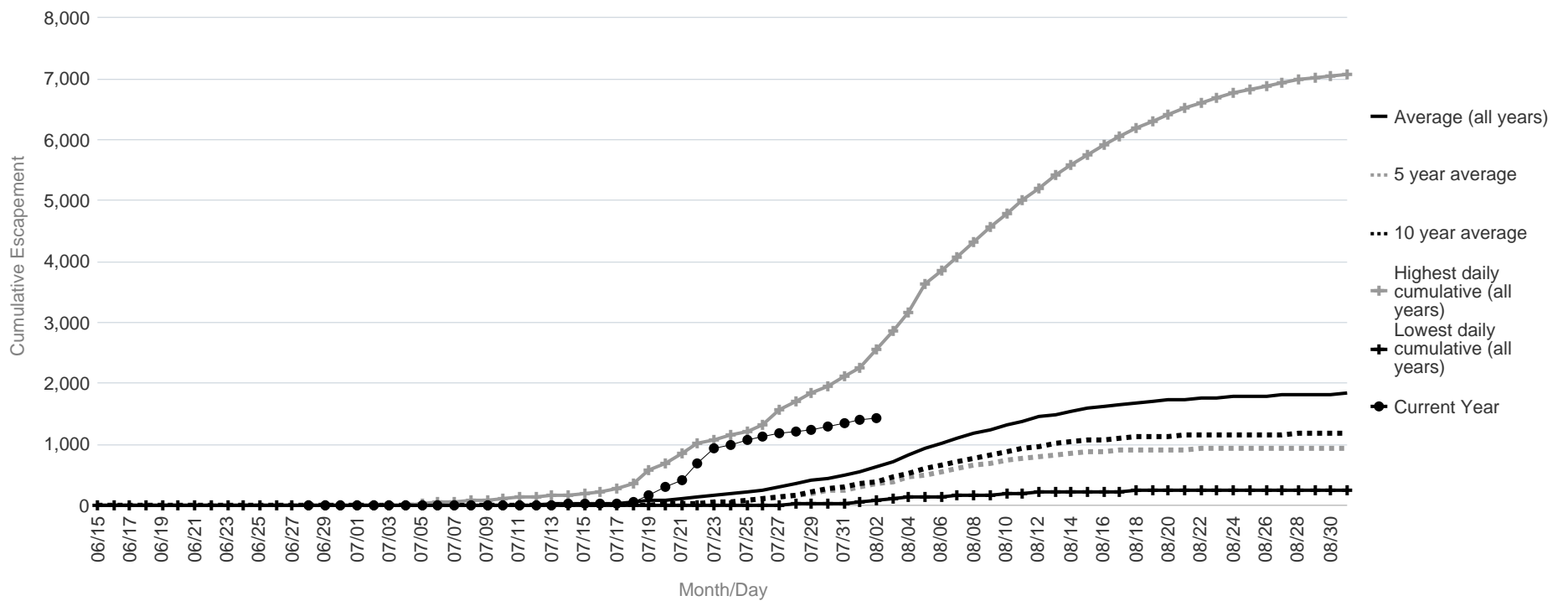
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	171	1,178	656	784	4,327	
08/09	180	1,247	697	832	4,565	
08/10	200	1,325	743	891	4,794	
08/11	208	1,384	773	931	5,012	
08/12	215	1,452	812	981	5,219	
08/13	221	1,501	834	1,012	5,413	
08/14	226	1,548	860	1,043	5,595	
08/15	230	1,589	877	1,067	5,764	
08/16	234	1,627	888	1,090	5,920	
08/17	237	1,659	899	1,109	6,064	
08/18	240	1,685	908	1,121	6,196	
08/19	242	1,710	914	1,134	6,317	
08/20	244	1,731	920	1,144	6,427	
08/21	245	1,748	924	1,151	6,526	
08/22	246	1,762	927	1,155	6,616	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	253	1,836	941	1,180	7,086

Focused Two-Week Data View



Season Total Overview



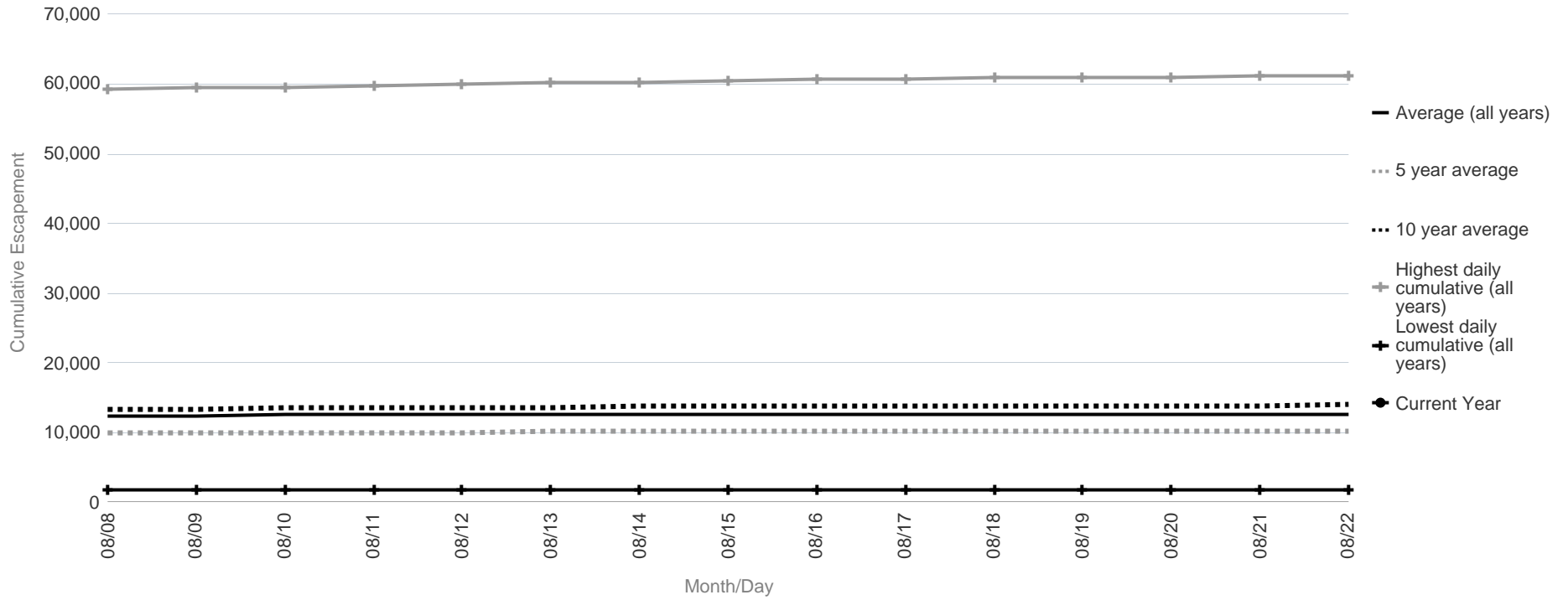
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

Escapement Goal Range: 4,400 to 17,000

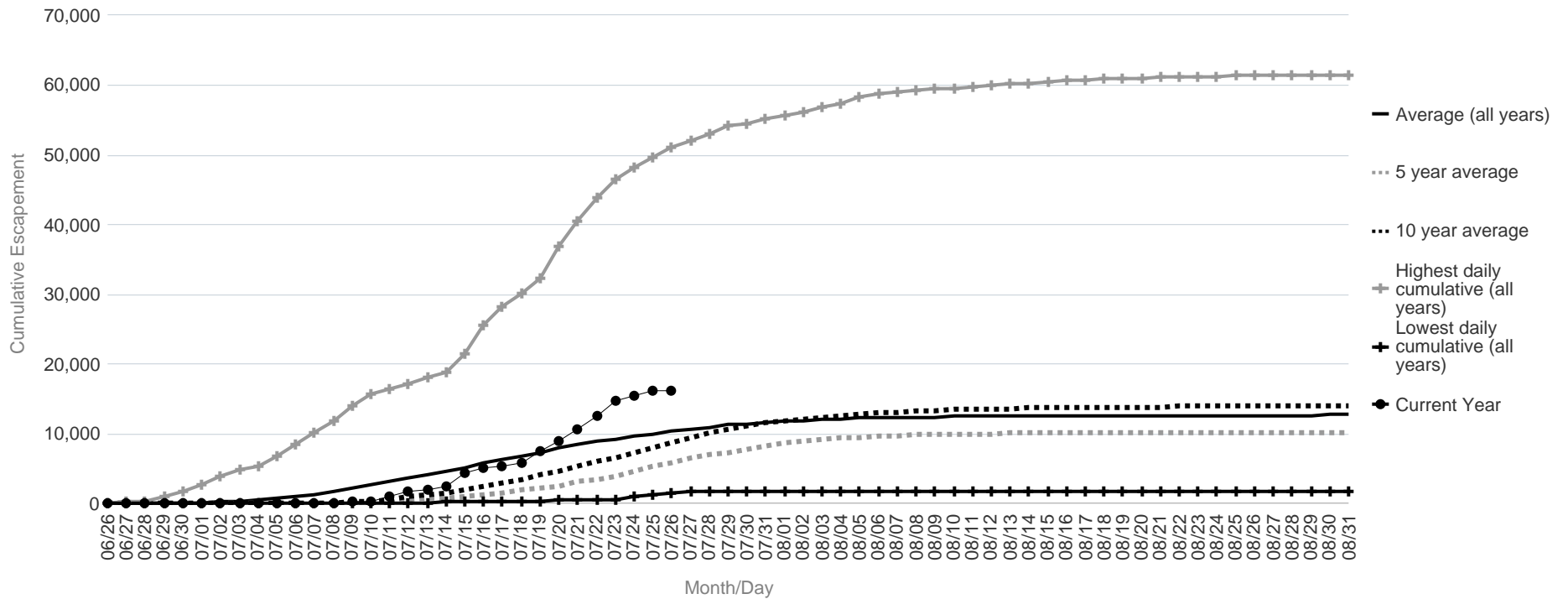
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	1,705	12,382	9,810	13,257	59,280	
08/09	1,709	12,418	9,864	13,344	59,423	
08/10	1,712	12,451	9,919	13,431	59,525	
08/11	1,715	12,484	9,977	13,514	59,703	
08/12	1,717	12,514	10,014	13,579	59,935	
08/13	1,719	12,539	10,042	13,631	60,139	
08/14	1,721	12,560	10,065	13,676	60,319	
08/15	1,723	12,580	10,086	13,722	60,478	
08/16	1,724	12,596	10,102	13,759	60,618	
08/17	1,725	12,611	10,115	13,793	60,741	
08/18	1,726	12,624	10,122	13,819	60,849	
08/19	1,727	12,634	10,130	13,843	60,945	
08/20	1,728	12,643	10,140	13,863	61,029	
08/21	1,729	12,651	10,144	13,878	61,103	
08/22	1,730	12,658	10,147	13,892	61,168	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	1,732	12,687	10,179	13,949	61,382

Focused Two-Week Data View



Season Total Overview

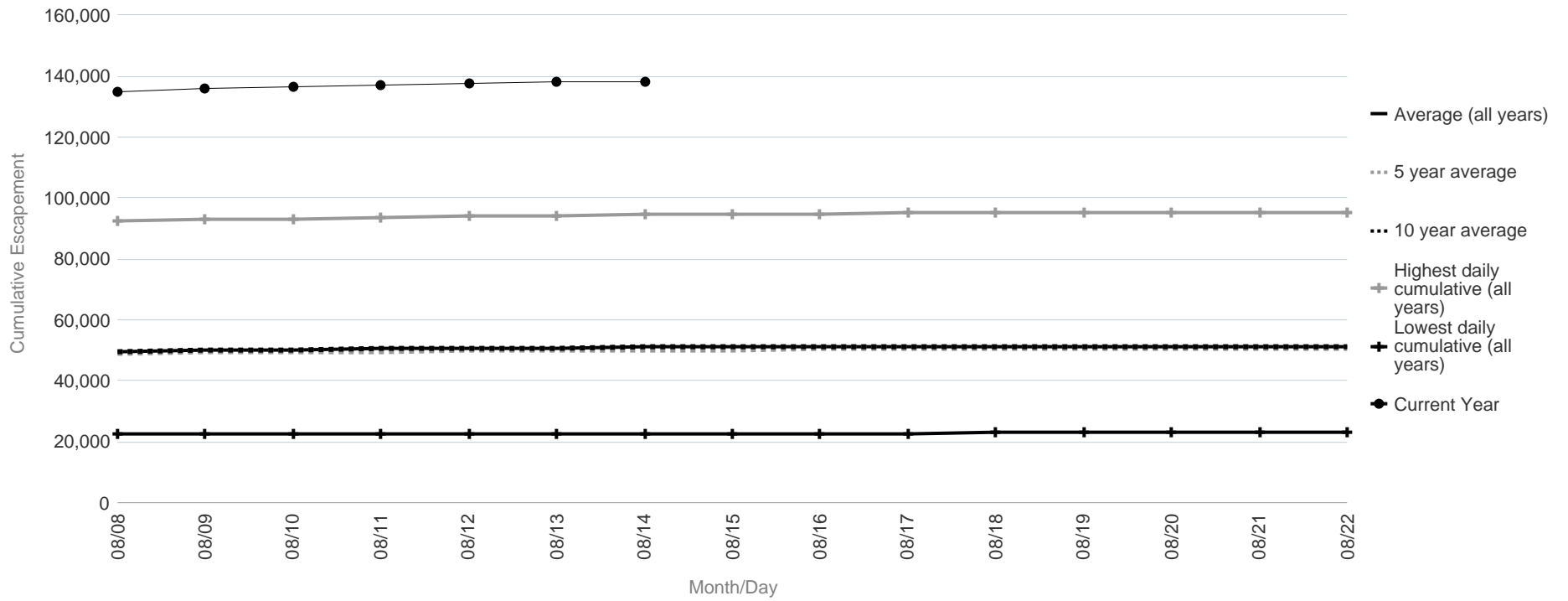


Telaquana River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

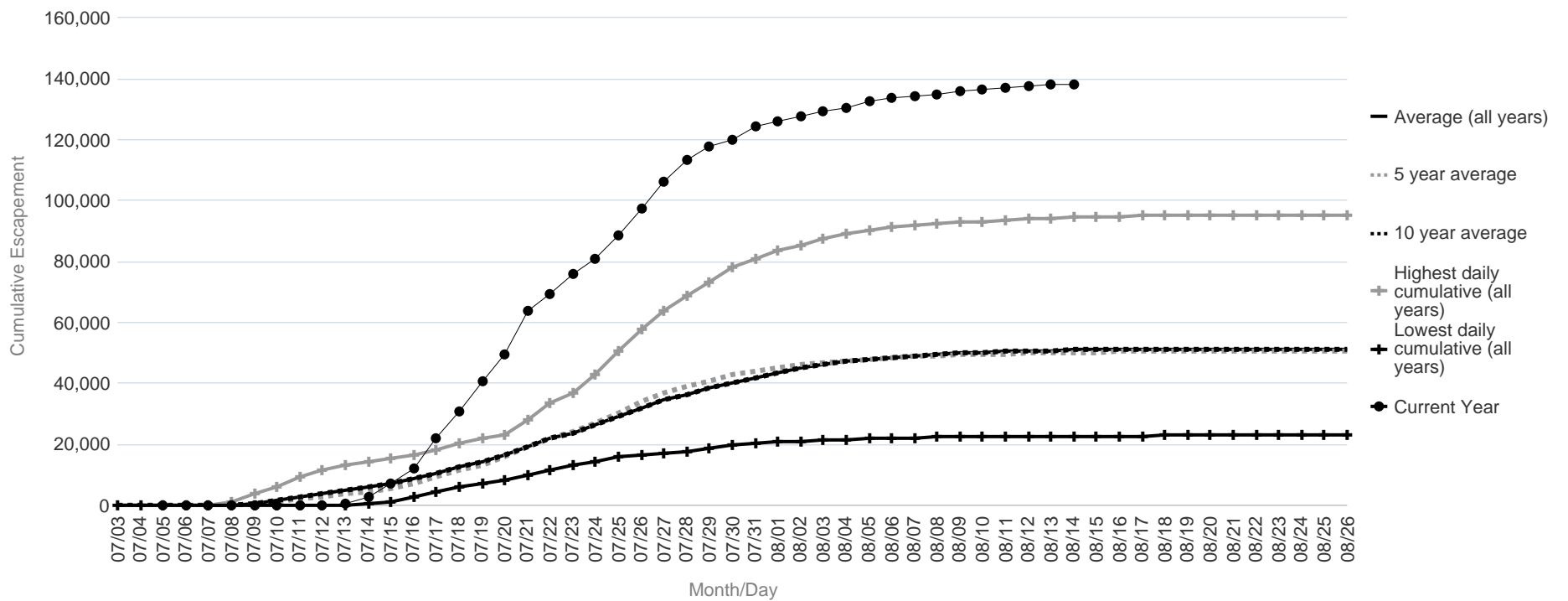
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	22,432	49,681	49,109	49,681	92,326	135,188
08/09	22,486	49,993	49,399	49,993	92,918	135,785
08/10	22,610	50,283	49,603	50,283	93,270	136,550
08/11	22,667	50,528	49,804	50,528	93,635	137,240
08/12	22,745	50,725	49,992	50,725	94,016	137,728
08/13	22,800	50,912	50,154	50,912	94,324	138,008
08/14	22,874	51,059	50,288	51,059	94,573	138,388
08/15	22,883	51,170	50,395	51,170	94,774	
08/16	22,914	51,257	50,489	51,257	94,936	
08/17	22,922	51,315	50,538	51,315	95,066	
08/18	22,939	51,356	50,578	51,356	95,170	
08/19	22,947	51,394	50,609	51,394	95,253	
08/20	22,959	51,427	50,635	51,427	95,320	
08/21	22,966	51,448	50,656	51,448	95,373	
08/22	22,979	51,472	50,673	51,472	95,416	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	23,005	51,515	50,714	51,515	95,516

Focused Two-Week Data View



Season Total Overview

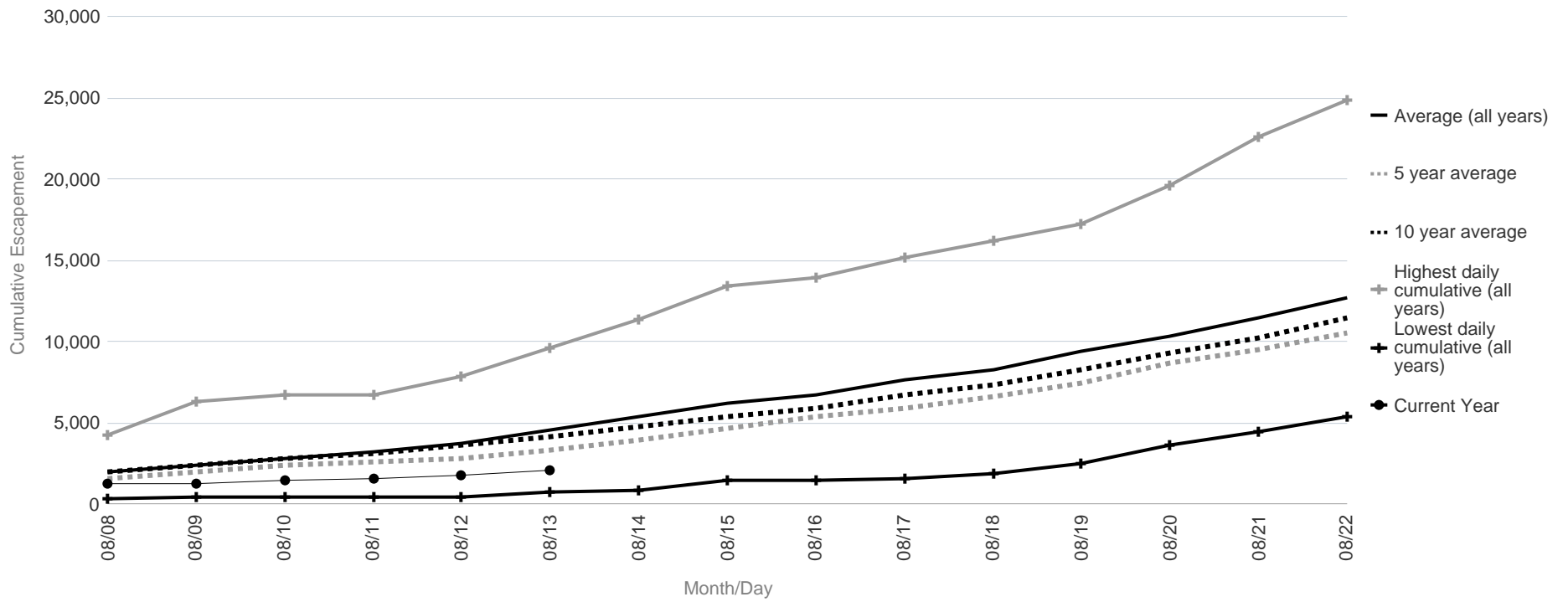


Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

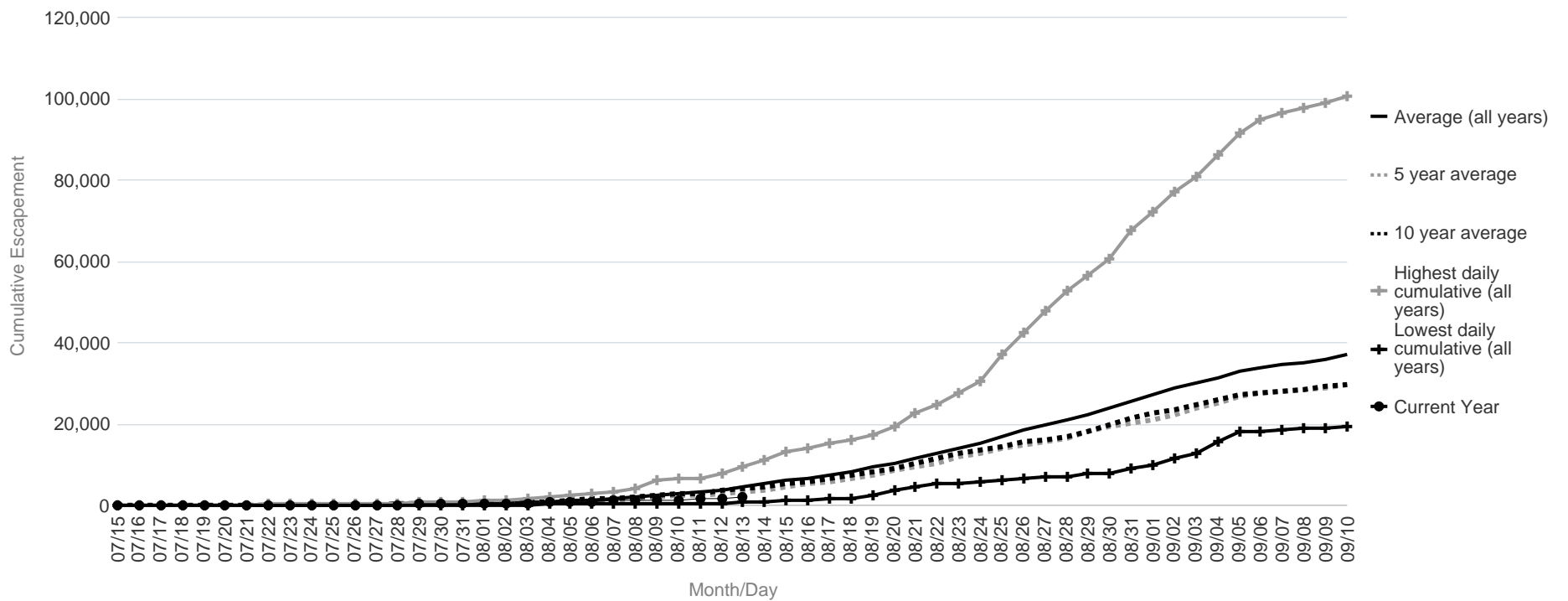
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	364	1,989	1,546	2,011	4,268	1,215
08/09	440	2,420	1,949	2,392	6,358	1,295
08/10	444	2,775	2,408	2,848	6,748	1,436
08/11	444	3,213	2,623	3,145	6,772	1,608
08/12	459	3,766	2,840	3,619	7,908	1,757
08/13	697	4,603	3,312	4,096	9,602	2,111
08/14	823	5,377	3,949	4,722	11,368	
08/15	1,425	6,222	4,709	5,402	13,482	
08/16	1,507	6,728	5,403	5,948	13,959	
08/17	1,604	7,619	5,942	6,740	15,178	
08/18	1,854	8,320	6,596	7,323	16,217	
08/19	2,483	9,374	7,468	8,234	17,257	
08/20	3,580	10,347	8,688	9,253	19,664	
08/21	4,425	11,429	9,539	10,246	22,589	
08/22	5,411	12,695	10,591	11,491	24,927	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	19,473	37,172	29,515	29,642	107,789

Focused Two-Week Data View



Season Total Overview

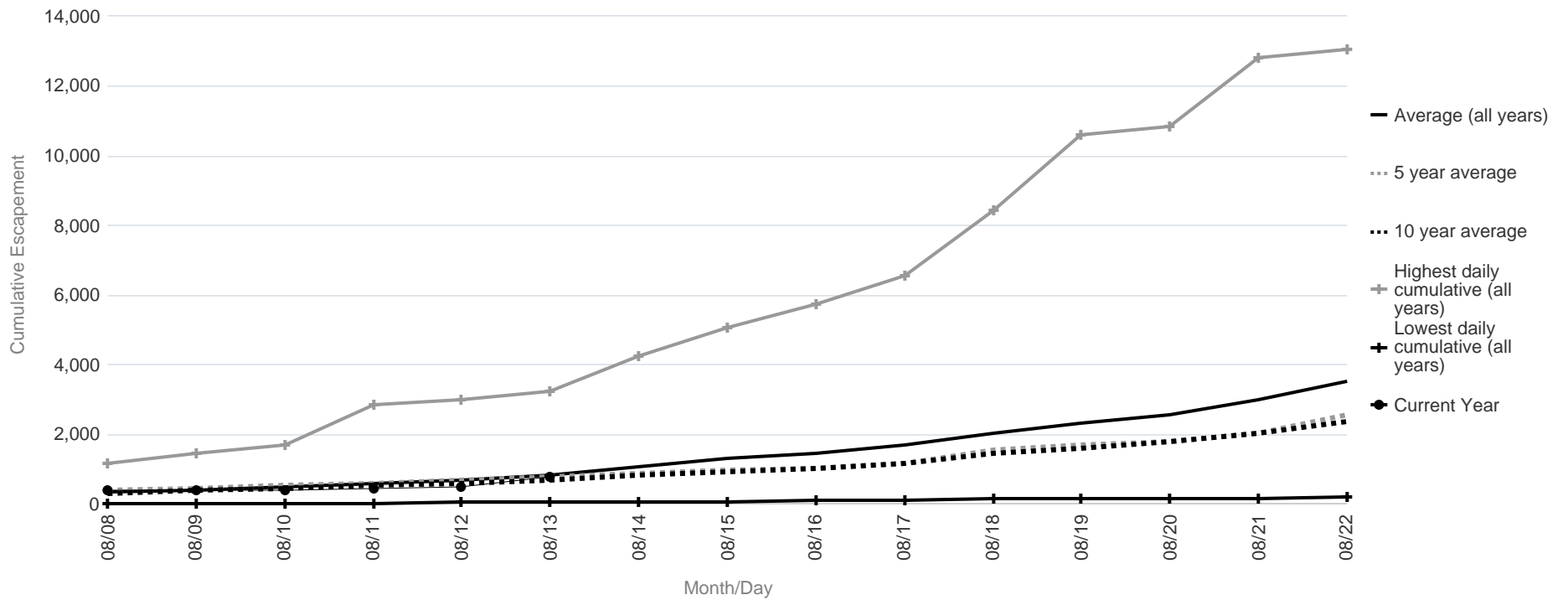


Tuluksak River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

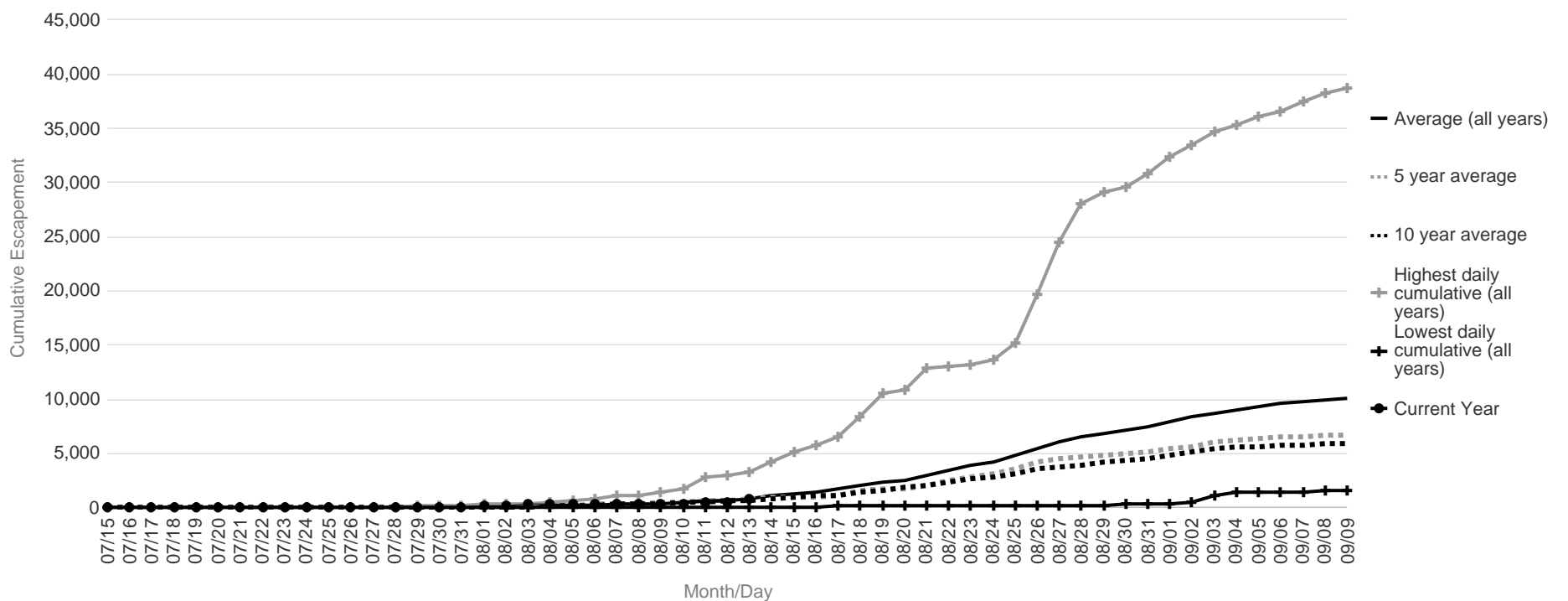
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	7	331	405	321	1,181	380
08/09	10	408	458	376	1,439	390
08/10	14	481	526	436	1,686	412
08/11	18	607	595	516	2,850	460
08/12	34	699	659	606	3,007	481
08/13	53	829	764	691	3,211	798
08/14	73	1,064	889	826	4,233	
08/15	75	1,296	953	911	5,087	
08/16	100	1,468	1,008	1,032	5,741	
08/17	126	1,709	1,148	1,166	6,547	
08/18	143	2,032	1,532	1,432	8,447	
08/19	156	2,336	1,699	1,608	10,589	
08/20	166	2,545	1,793	1,807	10,855	
08/21	176	3,002	2,046	2,034	12,813	
08/22	183	3,503	2,536	2,367	13,040	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	1,525	10,324	6,742	5,959	41,071

Focused Two-Week Data View



Season Total Overview

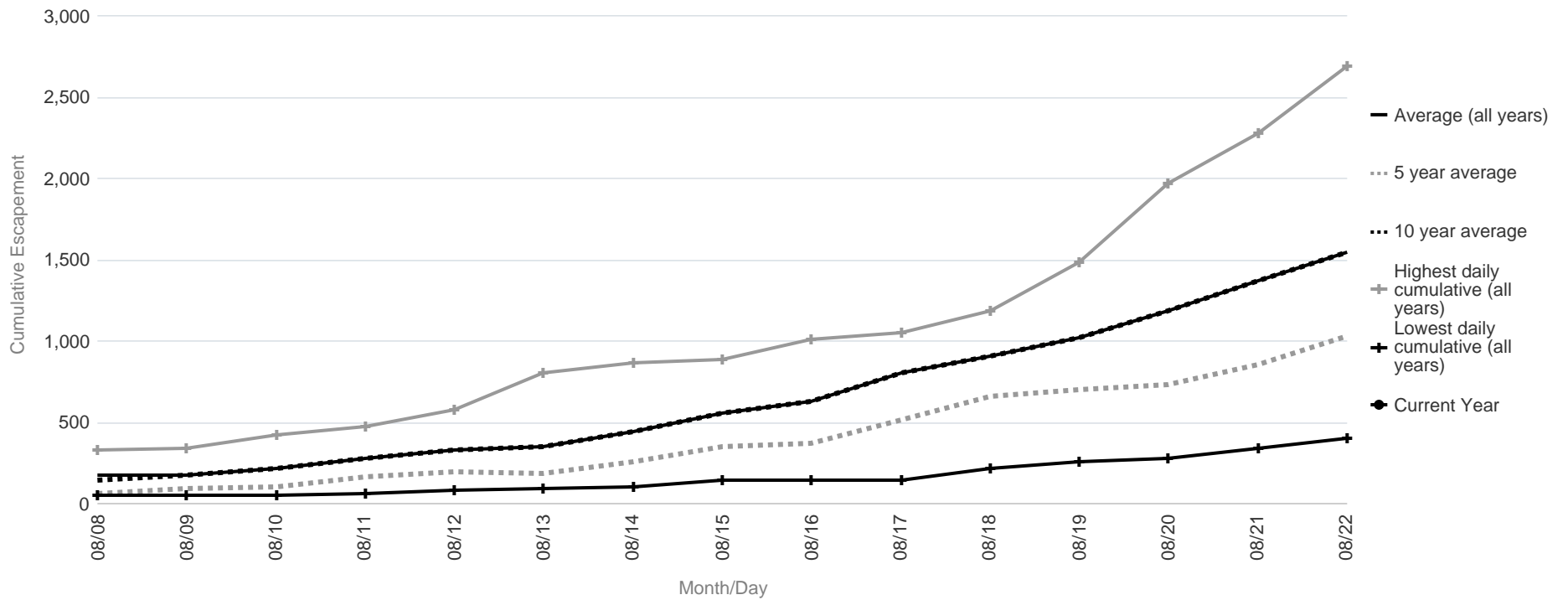


Salmon River (Aniak) Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

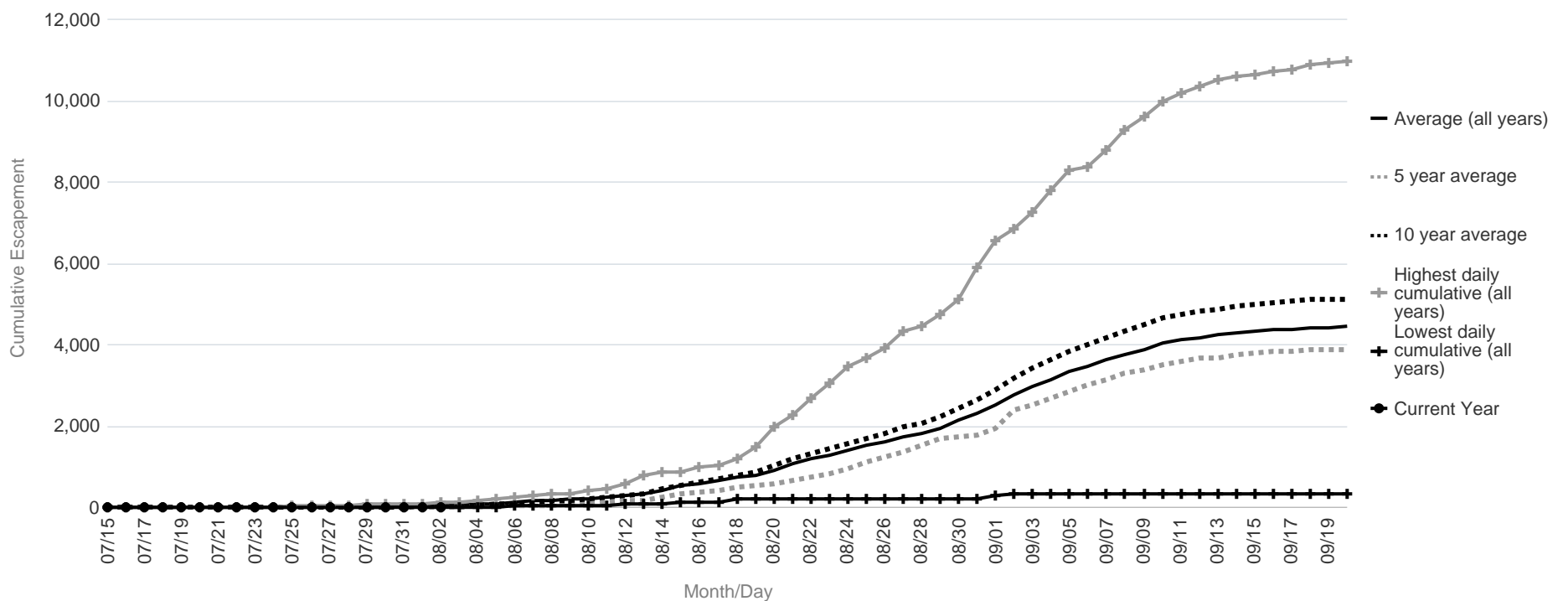
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	50	176	68	151	327	
08/09	55	179	90	179	344	
08/10	58	216	109	216	428	
08/11	62	285	165	285	478	
08/12	80	329	200	329	581	
08/13	93	353	189	353	805	
08/14	108	444	257	444	870	
08/15	143	557	357	557	891	
08/16	143	632	369	632	1,012	
08/17	143	802	520	802	1,051	
08/18	217	909	666	909	1,184	
08/19	259	1,024	708	1,024	1,483	
08/20	280	1,188	734	1,188	1,973	
08/21	341	1,377	858	1,377	2,287	
08/22	405	1,554	1,031	1,554	2,691	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	327	4,456	3,893	5,144	10,974

Focused Two-Week Data View



Season Total Overview

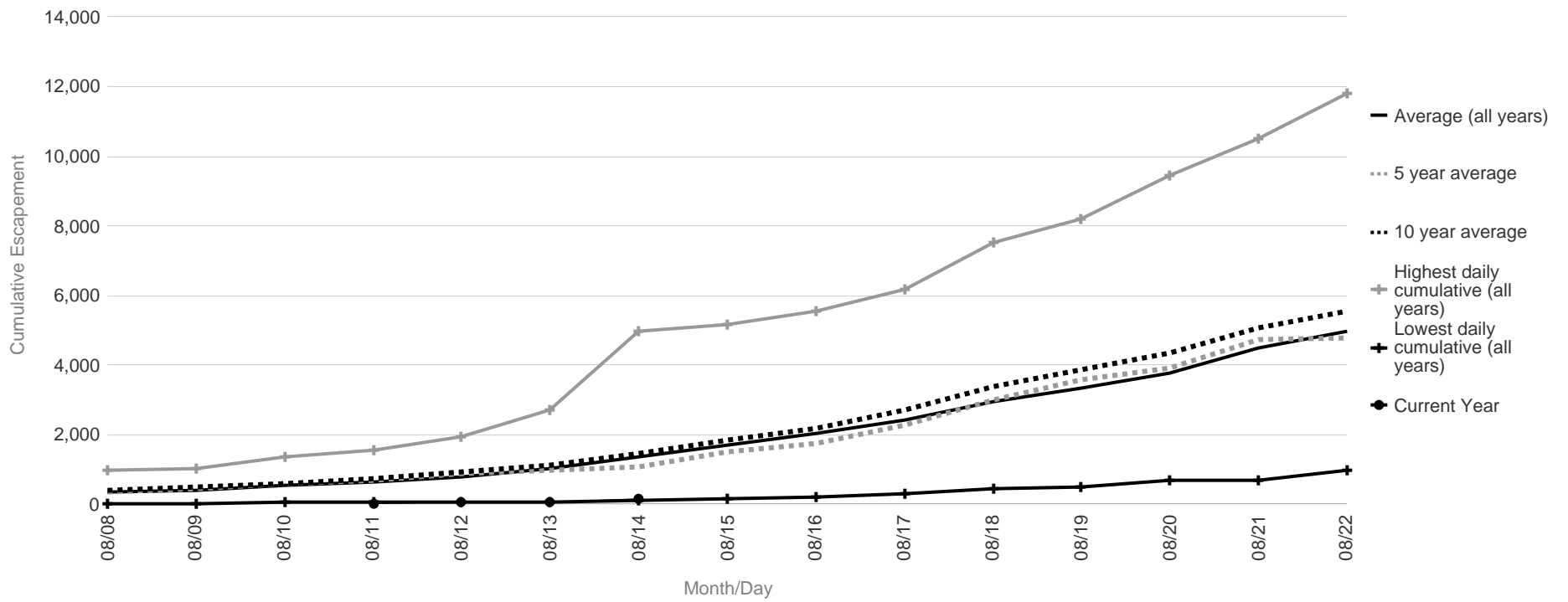


George River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

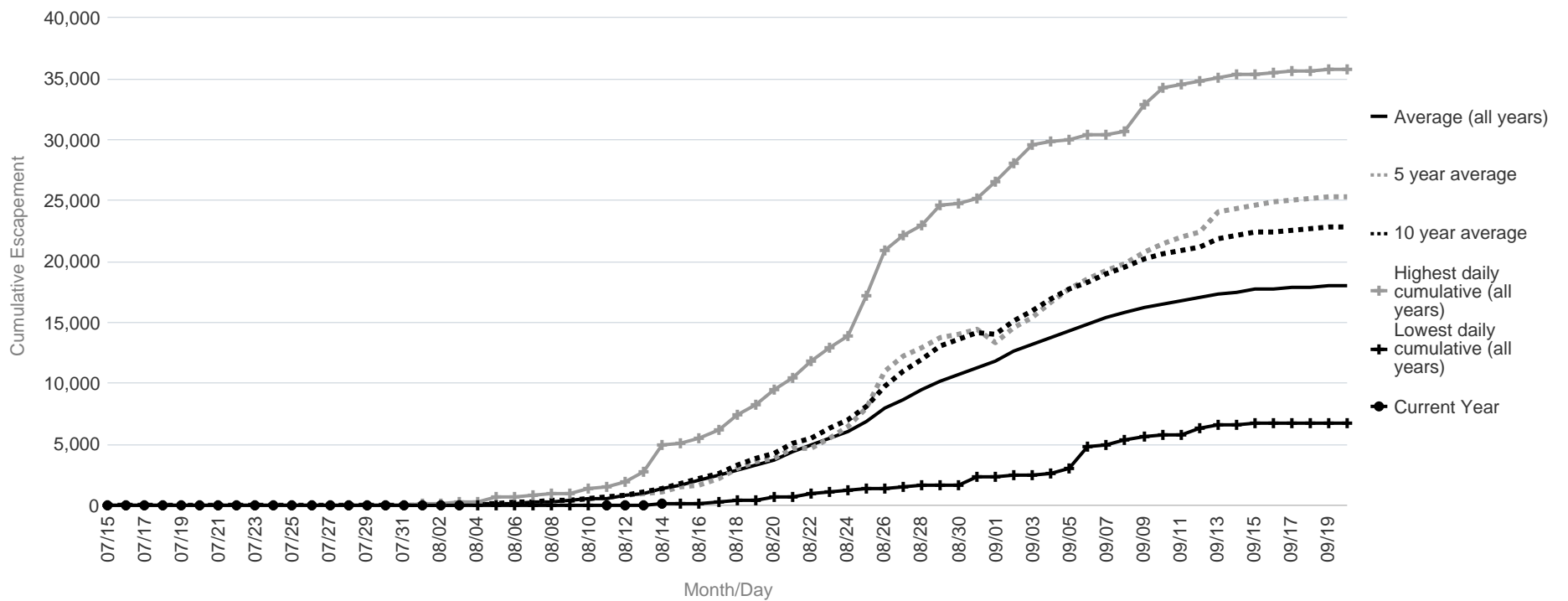
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	22	325	355	397	987	
08/09	28	405	442	470	1,016	
08/10	36	537	572	610	1,356	
08/11	49	633	677	734	1,542	27
08/12	53	802	883	907	1,923	45
08/13	76	1,004	958	1,111	2,726	76
08/14	108	1,354	1,086	1,461	4,945	140
08/15	141	1,698	1,484	1,860	5,141	
08/16	211	2,024	1,740	2,184	5,562	
08/17	305	2,436	2,263	2,702	6,155	
08/18	421	2,951	2,990	3,388	7,518	
08/19	489	3,325	3,556	3,880	8,215	
08/20	675	3,768	3,916	4,329	9,456	
08/21	698	4,490	4,740	5,083	10,491	
08/22	953	4,955	4,763	5,547	11,822	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	6,759	18,032	23,722	22,319	35,812

Focused Two-Week Data View



Season Total Overview



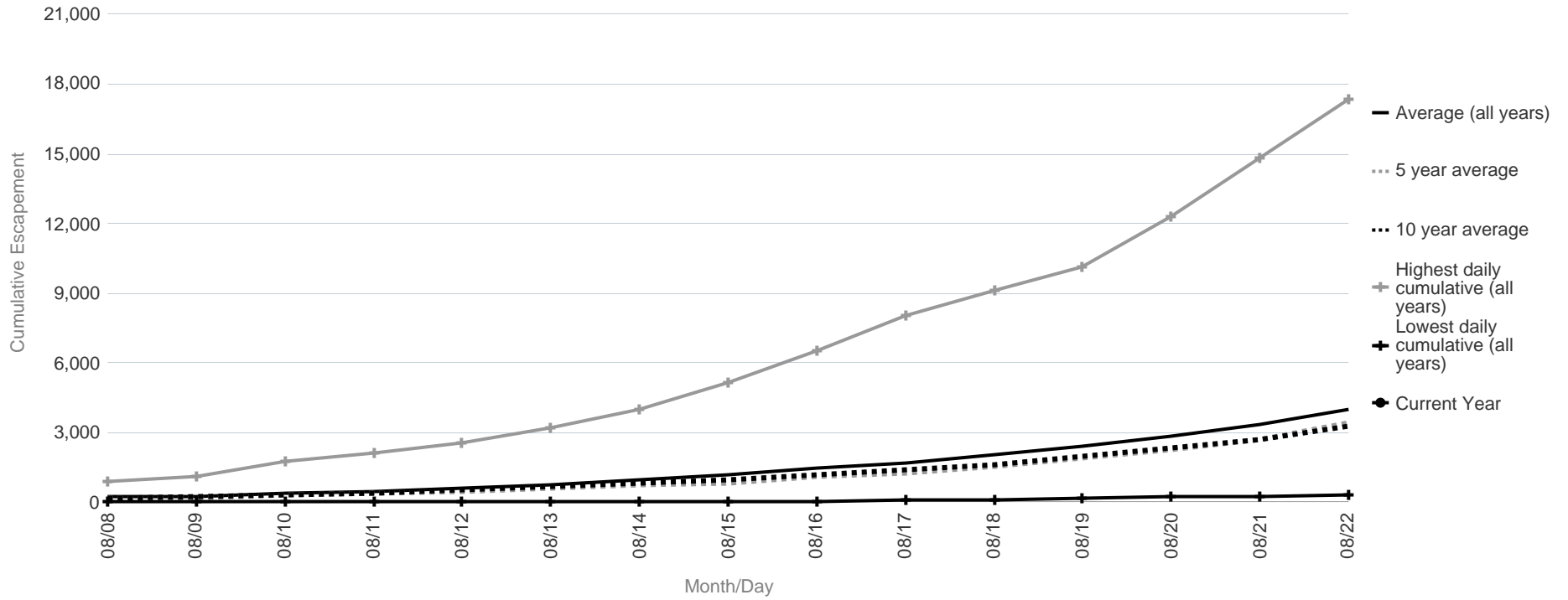
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

Escapement Goal Range: 13,000 to 28,000

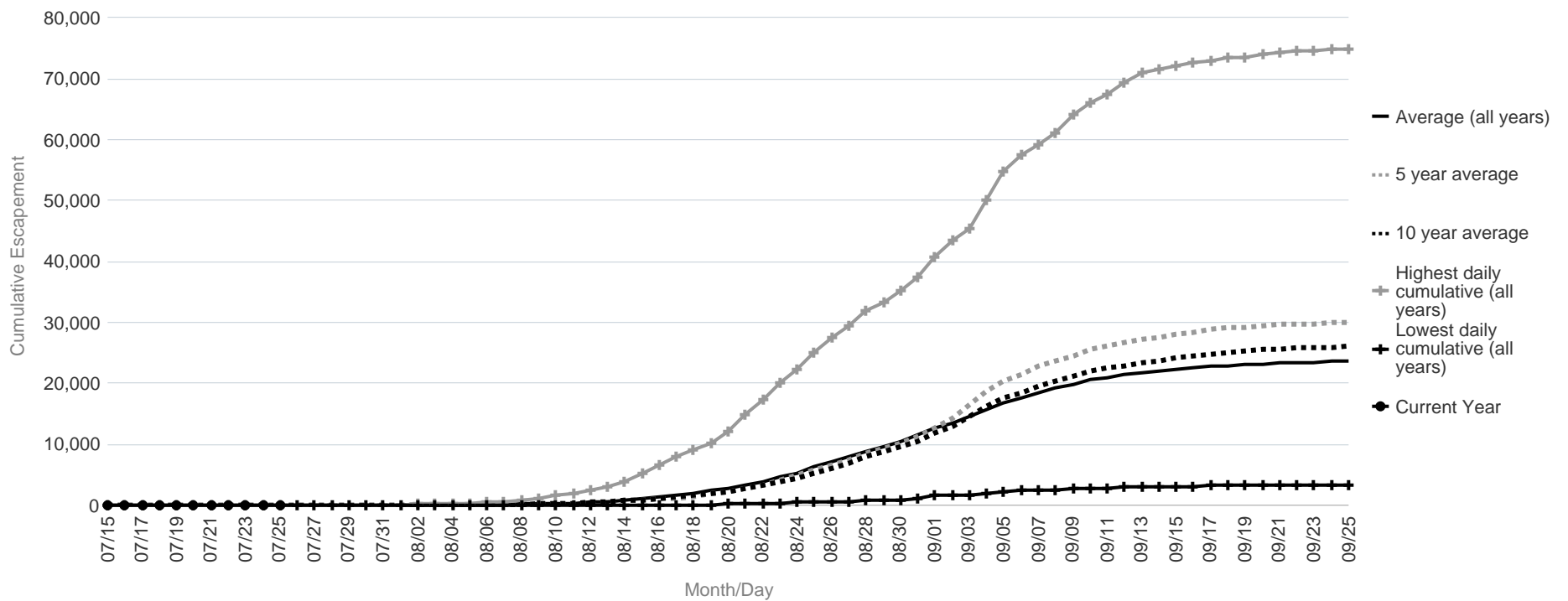
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	0	197	139	173	872	
08/09	0	259	193	235	1,117	
08/10	0	346	266	308	1,723	
08/11	0	425	361	388	2,086	
08/12	1	575	452	502	2,574	
08/13	16	727	616	641	3,211	
08/14	28	923	756	791	4,018	
08/15	43	1,164	831	945	5,141	
08/16	48	1,426	1,065	1,175	6,525	
08/17	59	1,675	1,273	1,374	7,998	
08/18	81	2,025	1,534	1,630	9,105	
08/19	125	2,395	1,858	1,943	10,140	
08/20	206	2,826	2,228	2,304	12,282	
08/21	238	3,371	2,692	2,708	14,792	
08/22	305	3,966	3,376	3,239	17,339	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	2,286	22,977	24,476	23,682	74,915

Focused Two-Week Data View



Season Total Overview

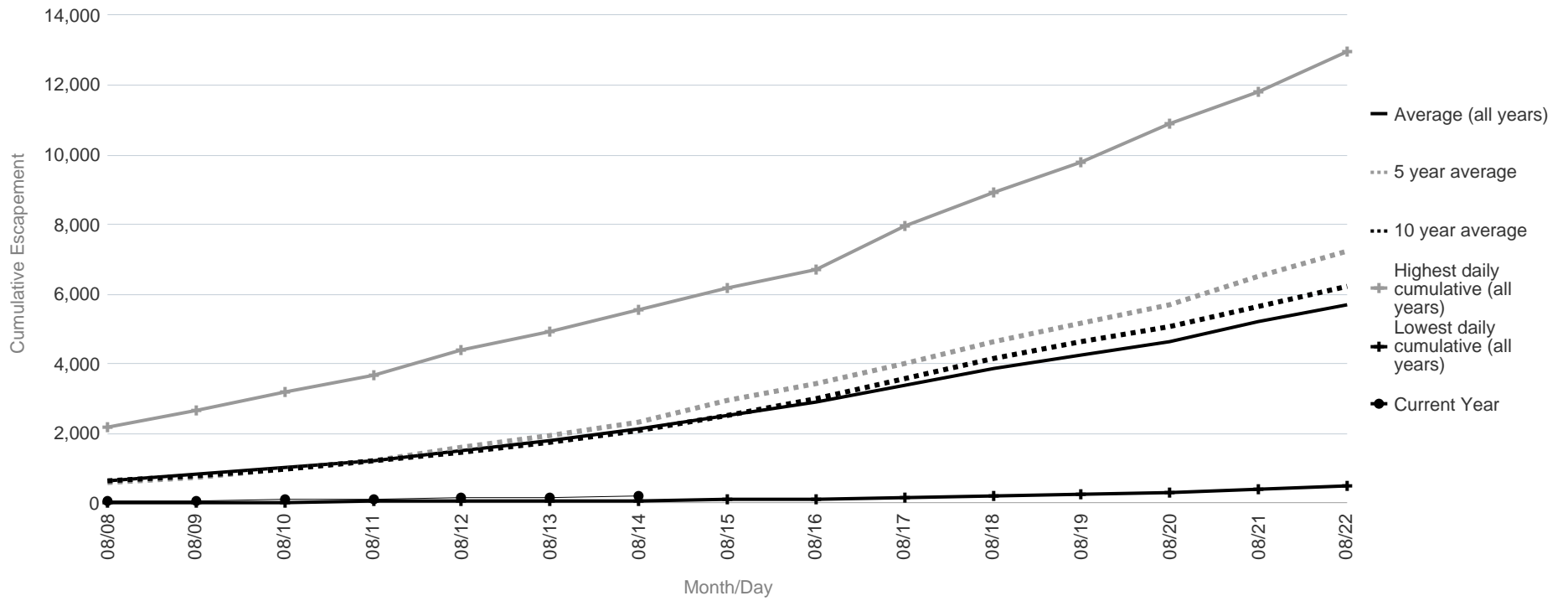


Tatlawiksuk River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

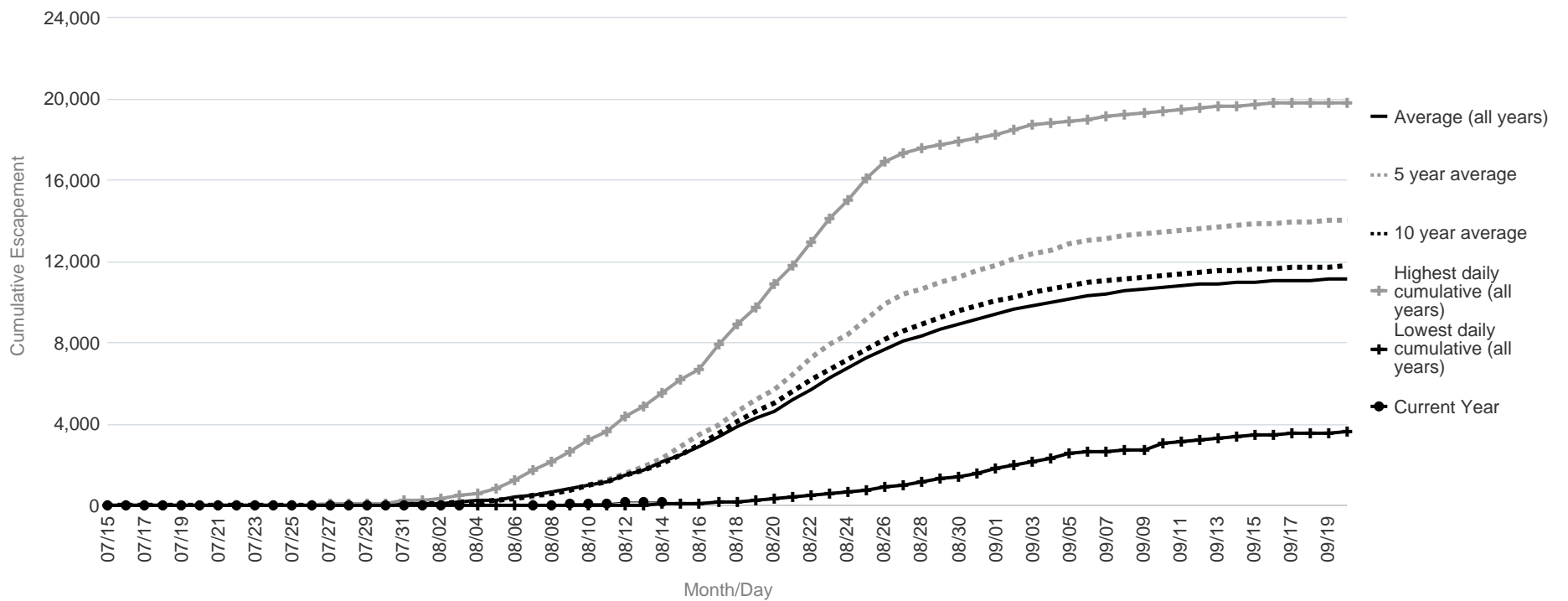
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	23	646	570	614	2,176	48
08/09	24	824	733	788	2,673	55
08/10	28	1,020	976	989	3,209	92
08/11	34	1,207	1,230	1,190	3,659	112
08/12	42	1,497	1,579	1,470	4,381	150
08/13	54	1,788	1,919	1,737	4,915	158
08/14	70	2,122	2,342	2,096	5,561	202
08/15	91	2,496	2,935	2,525	6,189	
08/16	118	2,885	3,443	2,975	6,704	
08/17	153	3,374	4,007	3,565	7,972	
08/18	196	3,866	4,618	4,139	8,930	
08/19	249	4,269	5,184	4,611	9,787	
08/20	313	4,636	5,703	5,064	10,875	
08/21	388	5,207	6,490	5,655	11,828	
08/22	475	5,704	7,247	6,209	12,965	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	3,621	11,151	14,038	11,782	19,814

Focused Two-Week Data View



Season Total Overview

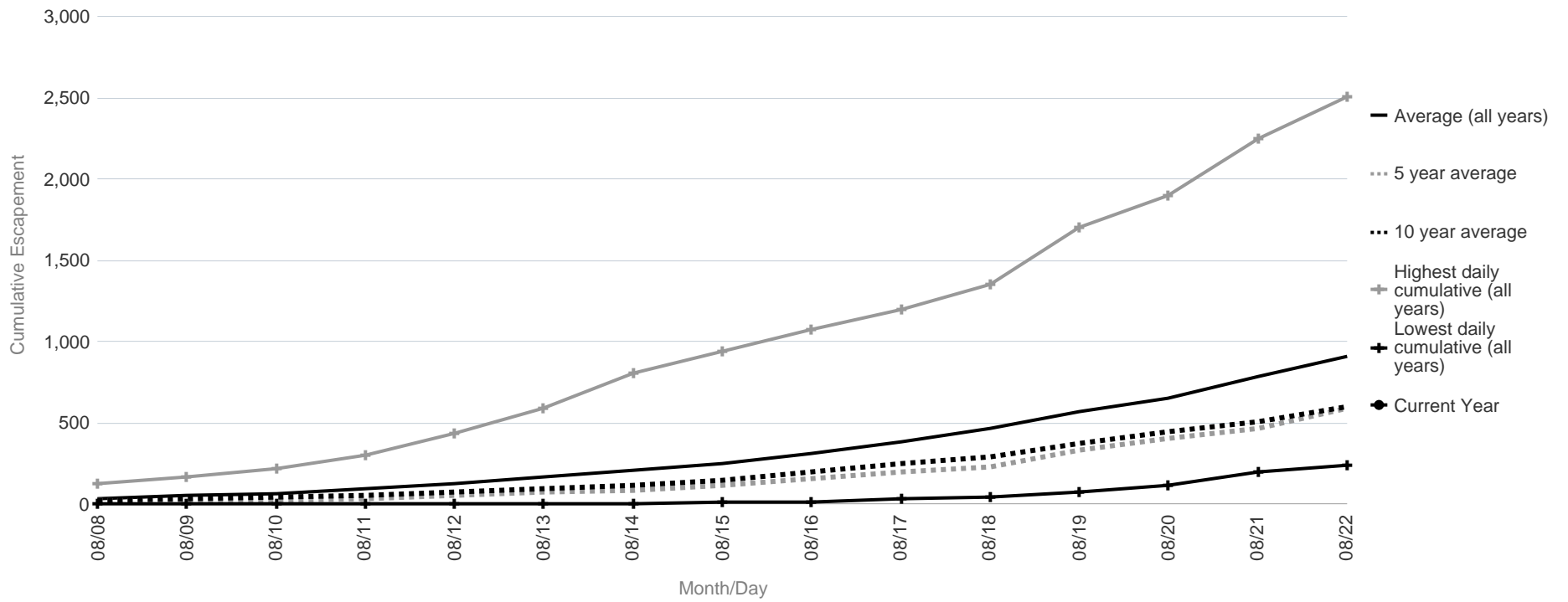


Takotna River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
08/08	0	36	18	22	126	
08/09	2	52	20	32	166	
08/10	2	65	24	41	216	
08/11	2	91	34	52	301	
08/12	3	129	58	71	440	
08/13	4	163	72	92	590	
08/14	6	207	89	120	802	
08/15	10	252	113	149	942	
08/16	17	313	162	197	1,073	
08/17	29	387	201	251	1,194	
08/18	47	466	224	290	1,354	
08/19	79	569	330	375	1,702	
08/20	120	648	406	442	1,899	
08/21	193	781	464	512	2,255	
08/22	237	908	590	600	2,509	

	Lowest Count	Average Count	5 Year Average	10 Year Average	Highest Count
Season Total	1,787	3,579	2,907	3,069	7,126

Focused Two-Week Data View



Season Total Overview

