

# 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: 08/02/2017

Time: 10:00 a.m.

Place: Bethel

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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:
- ~~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:

- Follow-up on Whitefish Lake regulations and enforcement. – ADF&G

### NEW BUSINESS:

- Discussion on Working Group's role in inseason messaging. –Lisa Feyereisen

### 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.**  
**Jennifer Peeks**  
**Aaron Tiernan**  
**Working Group Coordinators**

## Informational Packet

# Kuskokwim River Salmon Assessment Update: 7/31/2017

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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 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).

**Table of Contents** (*Click to jump to section*):

- **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:**

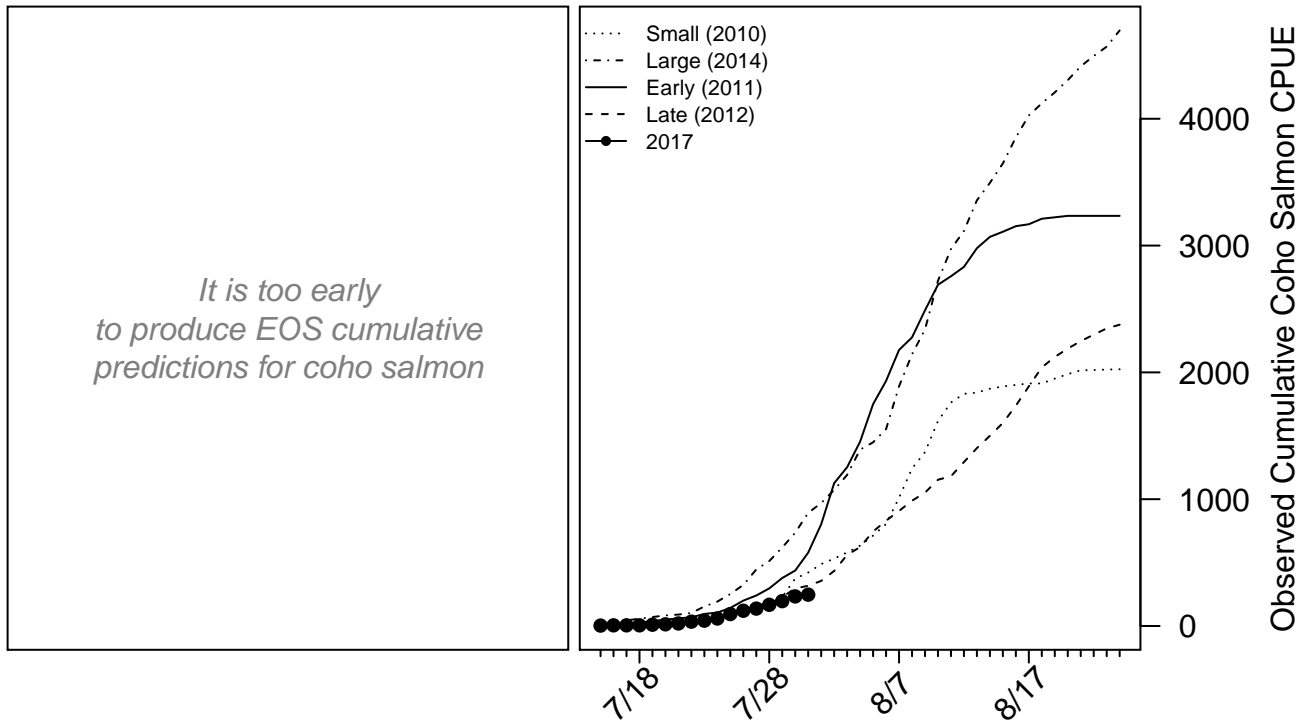
- [http://www.adfg.alaska.gov/index.cfm?adfg=cfnews\\_mobile.main](http://www.adfg.alaska.gov/index.cfm?adfg=cfnews_mobile.main)

# Informational Packet

## Coho Salmon (7/31)

- The BTF daily CPUE was **14**.
- The BTF cumulative CPUE is **247**.
- **0** years since 2008 (**0%**) fell below this cumulative CPUE.
- **15%** of the run is complete based on historical average run timing.
- No run timing forecast is available for coho salmon.
- **13 - 27%** of the run is expected to pass in the next 5 days.
- Over the last 3 days, coho salmon made up **61%** of the BTF catches, compared to **77%** on average.

**Coho 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 2017 plotted along with four years intended to represent a range of early/late and small/large index values.

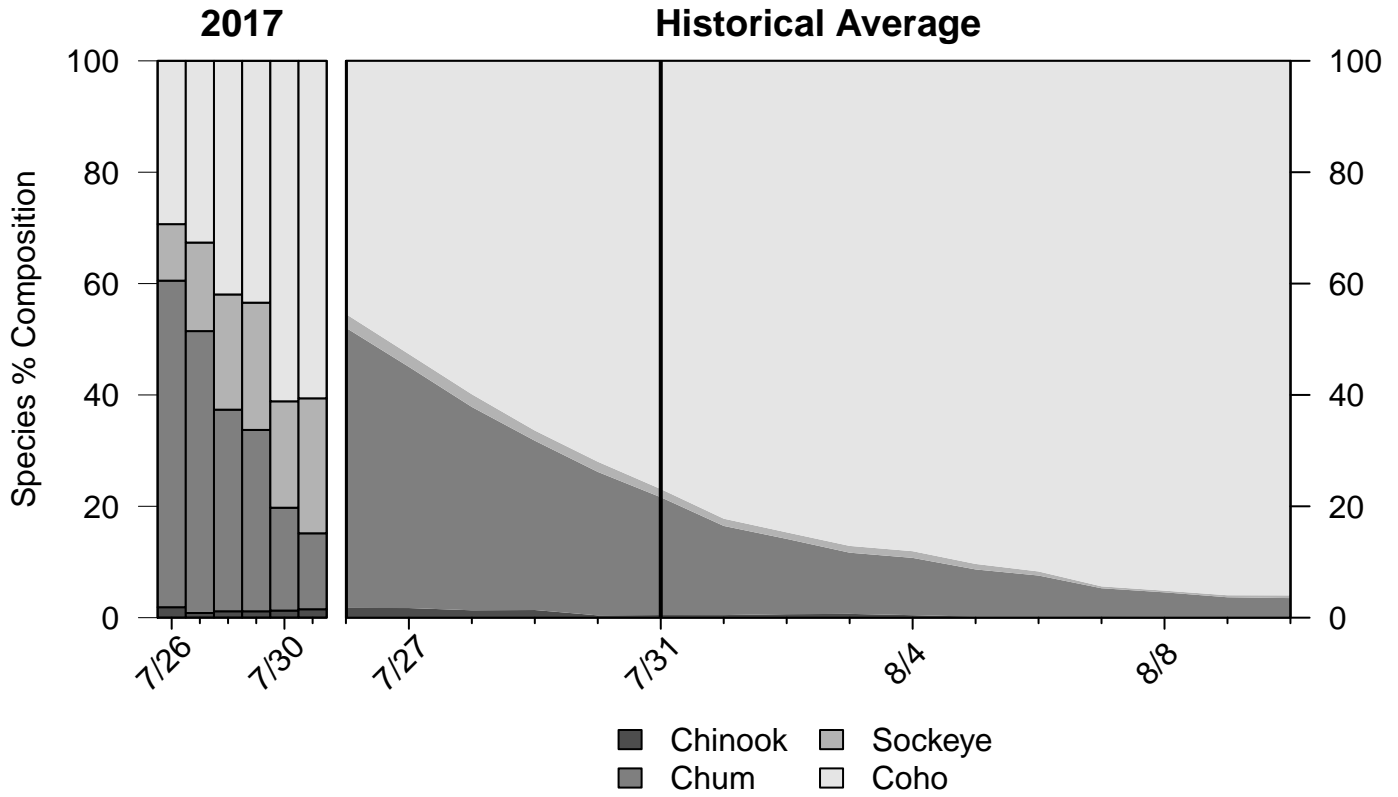


For more detailed information, see the *Coho salmon appendix* at the end of this document.

# 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 **369**.
- If the run ended on 7/31, 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.
<b>7/28</b>	367	679	610	648	261	522	551
<b>7/29</b>	369	679	610	650	261	523	552
<b>7/30</b>	369	680	610	650	261	523	552
<b>7/31</b>	<b>369</b>	<b>682</b>	<b>610</b>	<b>650</b>	<b>261</b>	<b>524</b>	<b>552</b>
<b>EOS</b>		687	625	650	261	528	557

### Chum Salmon Summary

- The BTF daily CPUE was **7**.
- The BTF cumulative CPUE is **6,633**.
- If the run ended on 7/31, 50% of the run would have passed BTF on **7/6**, which is **1 day 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.
<b>7/28</b>	6,615	3,639	2,654	6,136	5,570	4,945	6,221
<b>7/29</b>	6,626	3,677	2,698	6,180	5,584	4,977	6,263
<b>7/30</b>	6,626	3,709	2,727	6,199	5,584	4,998	6,293
<b>7/31</b>	<b>6,633</b>	<b>3,743</b>	<b>2,751</b>	<b>6,217</b>	<b>5,584</b>	<b>5,017</b>	<b>6,325</b>
<b>EOS</b>		3,894	2,943	6,343	5,708	5,156	6,496

### Sockeye Salmon Summary

- The BTF daily CPUE was **9**.
- The BTF cumulative CPUE is **2,578**.
- If the run ended on 7/31, 50% of the run would have passed BTF on **7/6**, which is **7 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.
<b>7/28</b>	2,546	2,162	2,127	1,347	1,146	1,590	1,559
<b>7/29</b>	2,557	2,188	2,130	1,354	1,146	1,597	1,564
<b>7/30</b>	2,569	2,208	2,135	1,355	1,146	1,603	1,567
<b>7/31</b>	<b>2,578</b>	<b>2,222</b>	<b>2,135</b>	<b>1,355</b>	<b>1,146</b>	<b>1,606</b>	<b>1,568</b>
<b>EOS</b>		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.
<b>7/28</b>	167	235	277	512	317	303	411
<b>7/29</b>	196	303	319	619	358	365	499
<b>7/30</b>	233	361	371	736	379	428	587
<b>7/31</b>	<b>247</b>	<b>412</b>	<b>461</b>	<b>892</b>	<b>416</b>	<b>499</b>	<b>701</b>
<b>8/1</b>		487	531	969	463	561	812
<b>8/2</b>		528	601	1,073	523	632	937
<b>8/3</b>		615	661	1,191	624	730	1,057
<b>EOS</b>		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	7/31 Cumulative %
<b>Earliest</b>	7/29	65%
<b>Early 10%</b>	8/4	29%
<b>Early 25%</b>	8/6	20%
<b>Median</b>	8/8	15%
<b>Late 25%</b>	8/11	8%
<b>Late 10%</b>	8/12	4%
<b>Latest</b>	8/13	1%

# Informational Packet

**Chinook salmon spawning aerial survey index estimates, Kuskokwim River Drainage, Kuskokwim Management Area, 2006–2017.**

Year	Lower Kuskokwim River <sup>a</sup>				Middle Kuskokwim River <sup>a</sup>								Upper Kuskokwim River <sup>a</sup>		
	Kwethluk Eek		Canyon C.	Kisaralik	Tuluksak	Aniak	Kipchuk	Salmon (Aniak)	Holokuk	Oskawalik	Holitna	Gagarayah	Cheeneetnuk	Bear (Pitka)	Salmon (Pitka)
2006			4,734		5,639	1,618		705	386	1,866	531	1,015	347	862	170
2007			692	173	3,984	2,147	1,458				1,035		165	943	131
2008		487	1,074		3,222	1,061	589	418	213		177	290	245	1,033	248
2009								565	379		303	323	209	632	187
2010			235					229			62		75	135	67
2011	263					116	79	61	26		96	249	145	767	85
2012			588			193	49	36	51		178	229		670	
2013	240	1,165	599	83	754	261	154		38	532	74	138	64	469	
2014	189		622		3,201	1,220	497	80	200		359	340		1,865	
2015			709			917	810	77		662	19		1,381	2,016	
2016			622		718	898		100	47	1,157	135	217	580	1,578	
2017					1,781	889	423	140	136	676	453	660	492	687	234
<b>Escapement Goal</b>			<b>400- 1,200</b>		<b>1,200- 2,300</b>		<b>330- 1,200</b>			<b>970- 2,100</b>	<b>300- 830</b>	<b>340- 1,300</b>		<b>470- 1,600</b>	
<b>10-yr ave</b>	231	826	643	128	2,376	852	519	196	136	784	244	255	358	1,011	144

<sup>a</sup> Estimates are from aerial surveys conducted during peak spawning periods under 'good' or 'fair' survey conditions.



## **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>

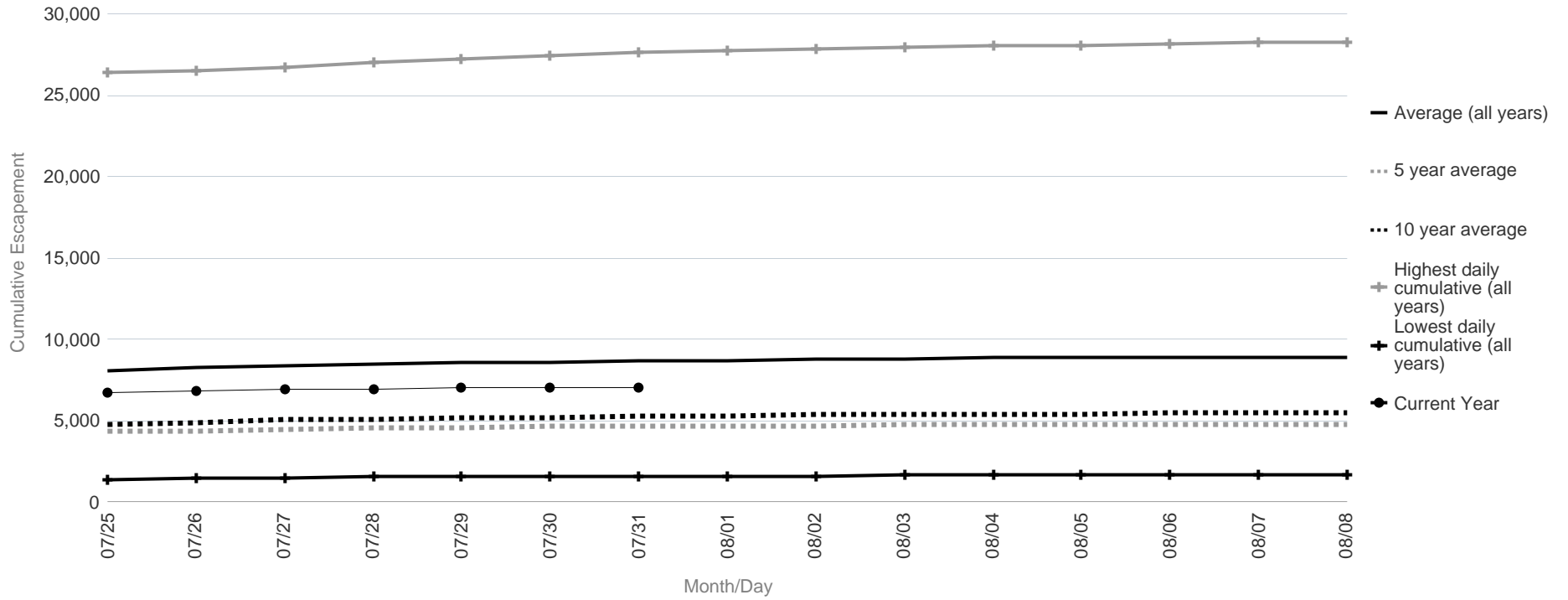
## Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 4,100 to 7,500

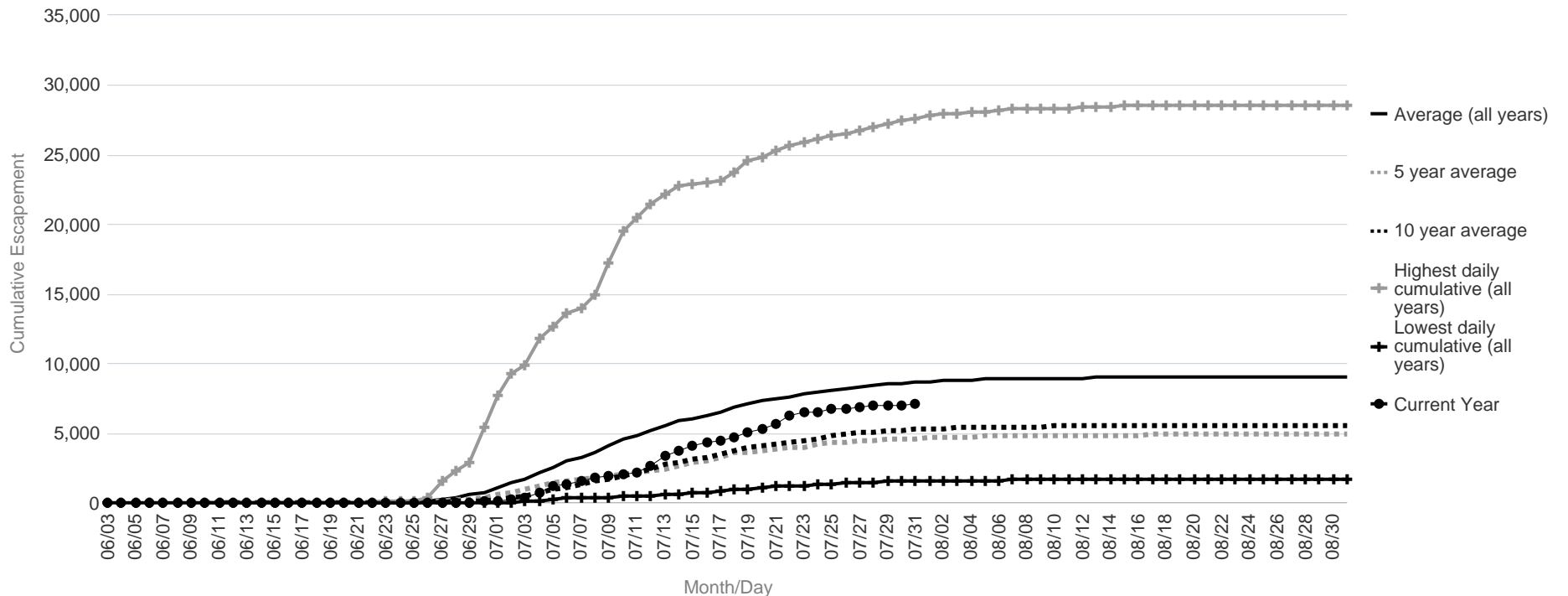
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	1,354	8,109	4,308	4,781	26,387	6,714
07/26	1,428	8,235	4,367	4,897	26,526	6,809
07/27	1,472	8,366	4,469	5,038	26,707	6,900
07/28	1,522	8,454	4,515	5,101	27,026	6,947
07/29	1,552	8,540	4,570	5,173	27,263	6,999
07/30	1,572	8,597	4,612	5,223	27,431	7,034
07/31	1,578	8,667	4,648	5,263	27,623	7,066
08/01	1,596	8,726	4,676	5,310	27,818	
08/02	1,617	8,776	4,706	5,352	27,892	
08/03	1,630	8,816	4,729	5,381	27,971	
08/04	1,633	8,849	4,758	5,407	28,036	
08/05	1,636	8,875	4,776	5,431	28,101	
08/06	1,643	8,902	4,788	5,450	28,197	
08/07	1,652	8,924	4,800	5,466	28,269	
08/08	1,658	8,940	4,810	5,479	28,300	

	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

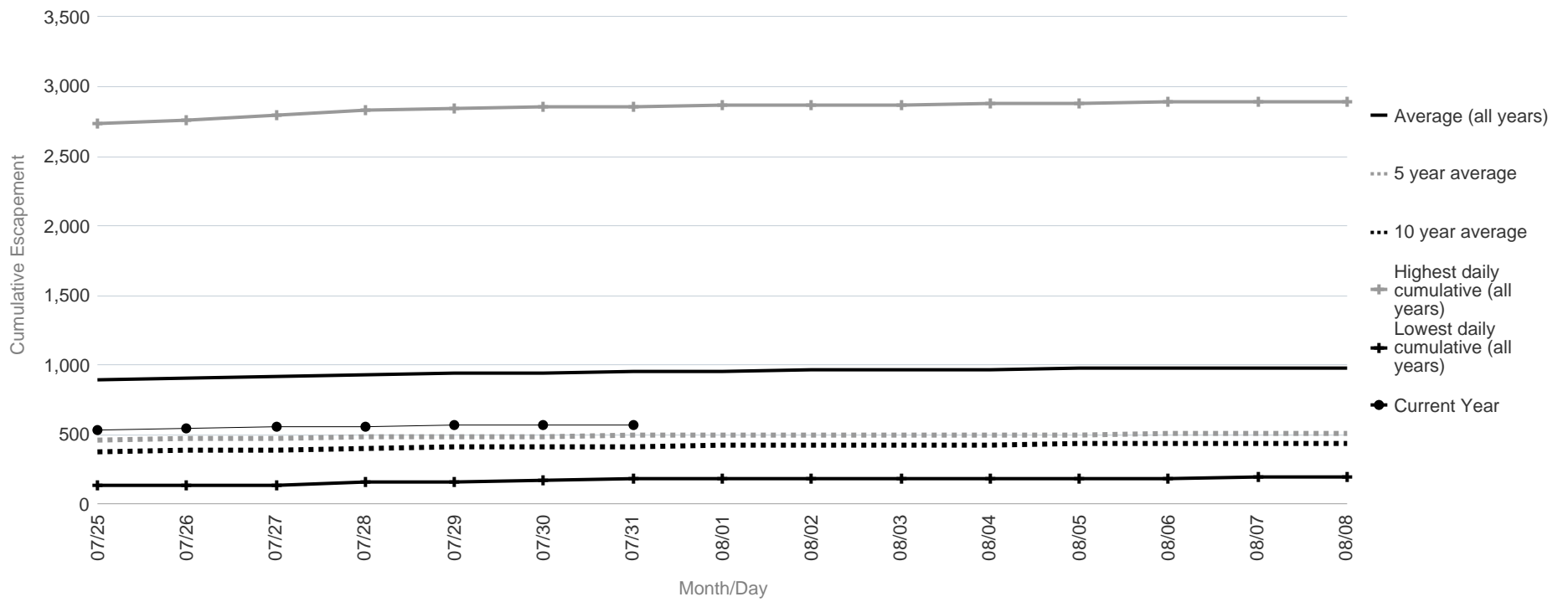


### Tuluksak River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

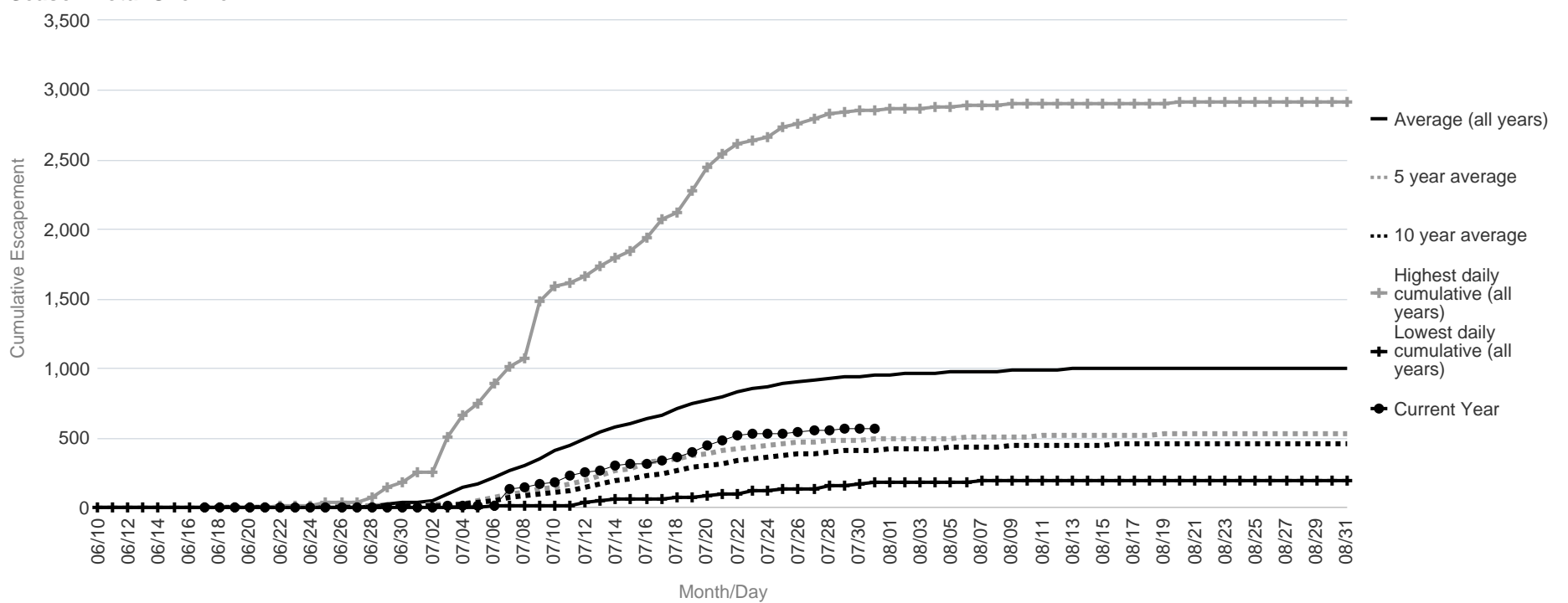
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	129	894	463	379	2,736	537
07/26	132	903	468	385	2,759	542
07/27	137	915	474	392	2,795	550
07/28	153	927	479	401	2,831	556
07/29	162	936	482	407	2,840	562
07/30	173	945	487	412	2,852	565
07/31	179	953	490	416	2,854	569
08/01	181	958	492	420	2,862	
08/02	183	962	494	424	2,867	
08/03	185	966	496	427	2,872	
08/04	185	969	497	429	2,876	
08/05	186	973	499	431	2,882	
08/06	186	977	503	434	2,890	
08/07	190	981	504	436	2,892	
08/08	190	983	507	438	2,897	

	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

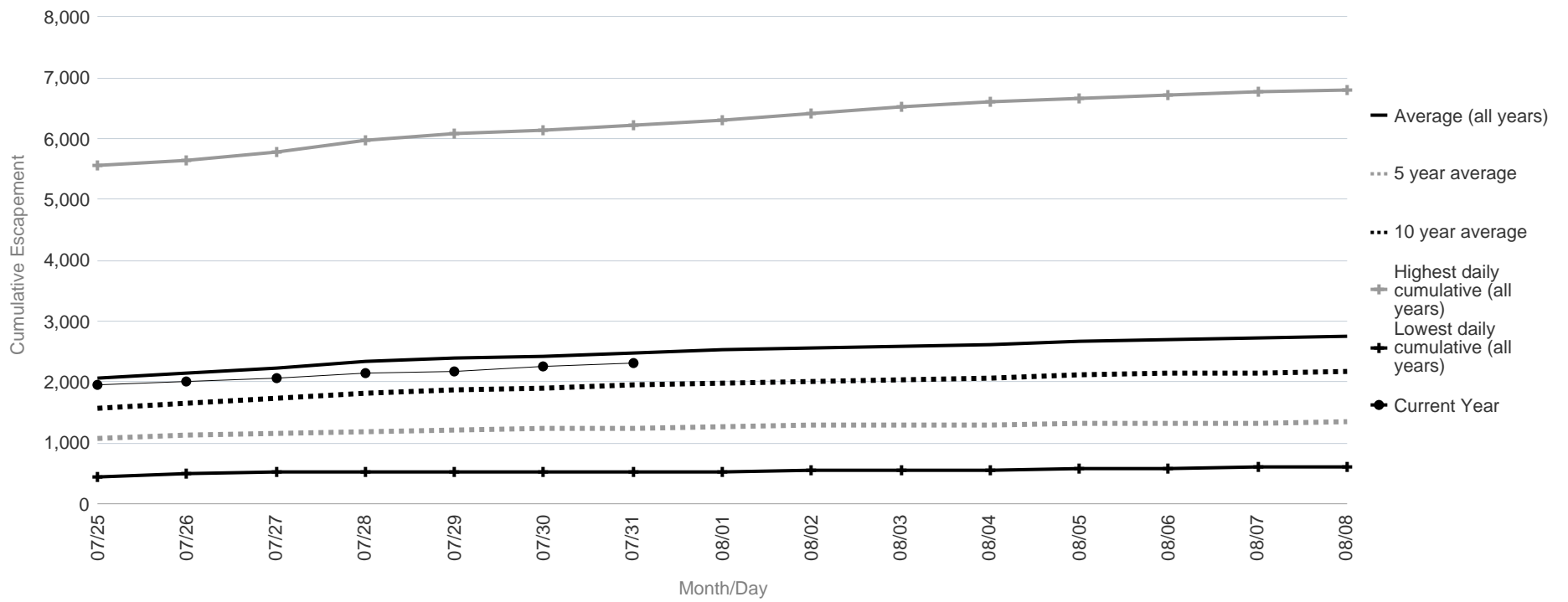


### Salmon River (Aniak) Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

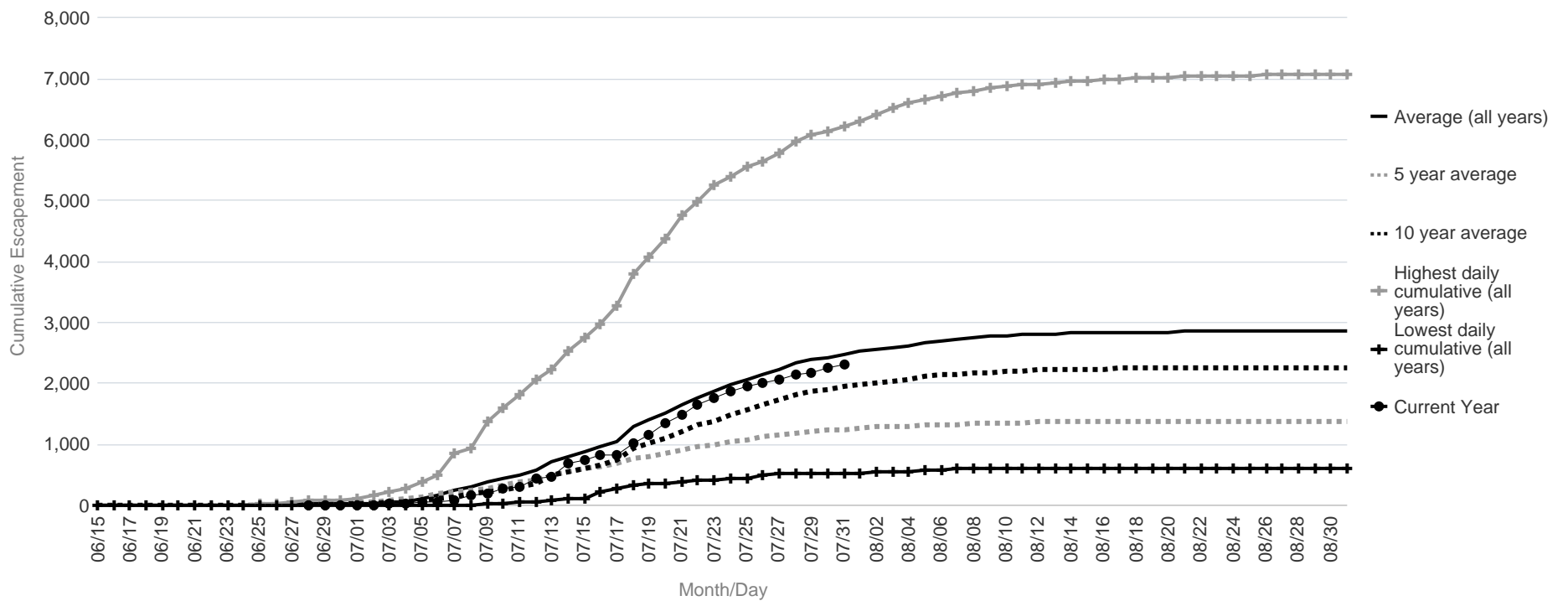
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	451	2,079	1,087	1,583	5,551	1,950
07/26	497	2,148	1,126	1,647	5,655	2,008
07/27	514	2,234	1,156	1,728	5,773	2,079
07/28	518	2,339	1,185	1,821	5,966	2,154
07/29	525	2,396	1,211	1,868	6,090	2,191
07/30	531	2,437	1,235	1,906	6,154	2,257
07/31	536	2,487	1,255	1,951	6,236	2,321
08/01	540	2,525	1,277	1,984	6,311	
08/02	545	2,563	1,286	2,012	6,425	
08/03	550	2,605	1,297	2,044	6,527	
08/04	565	2,632	1,308	2,064	6,611	
08/05	591	2,682	1,322	2,112	6,673	
08/06	594	2,711	1,330	2,138	6,720	
08/07	603	2,732	1,338	2,157	6,763	
08/08	610	2,757	1,343	2,178	6,808	

	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



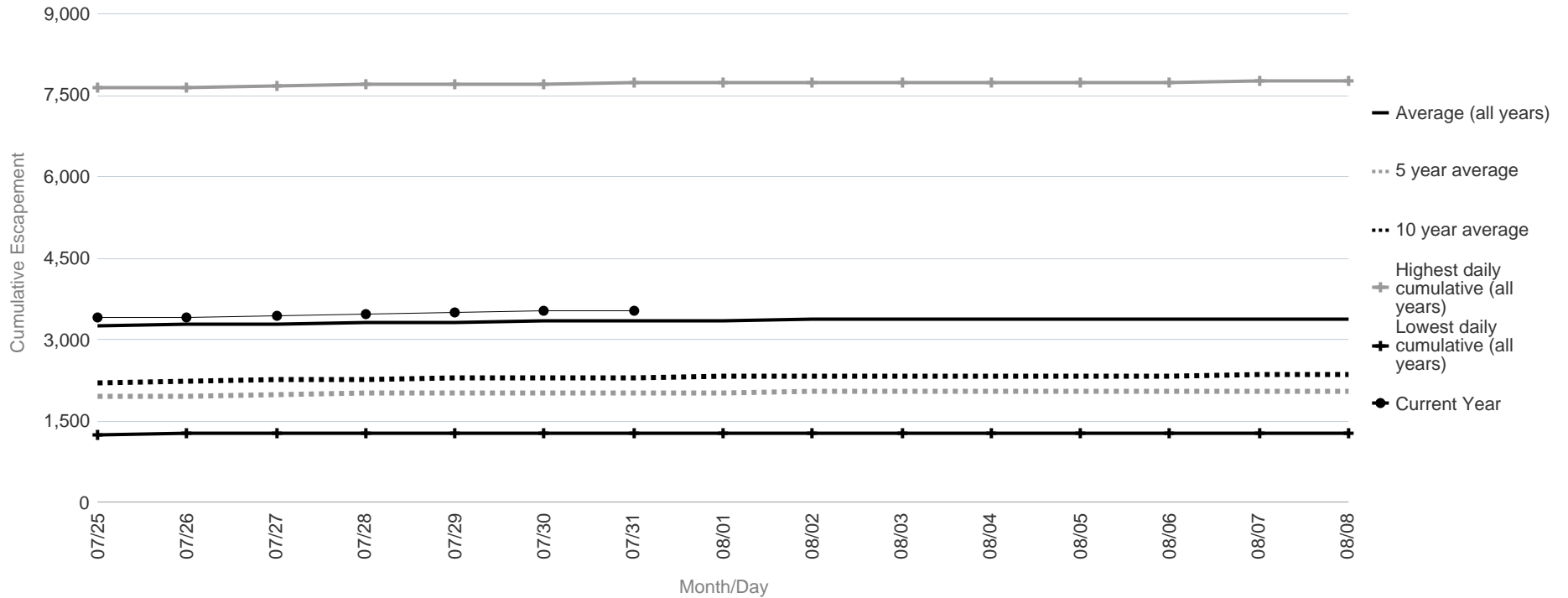
## George River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 1,800 to 3,300

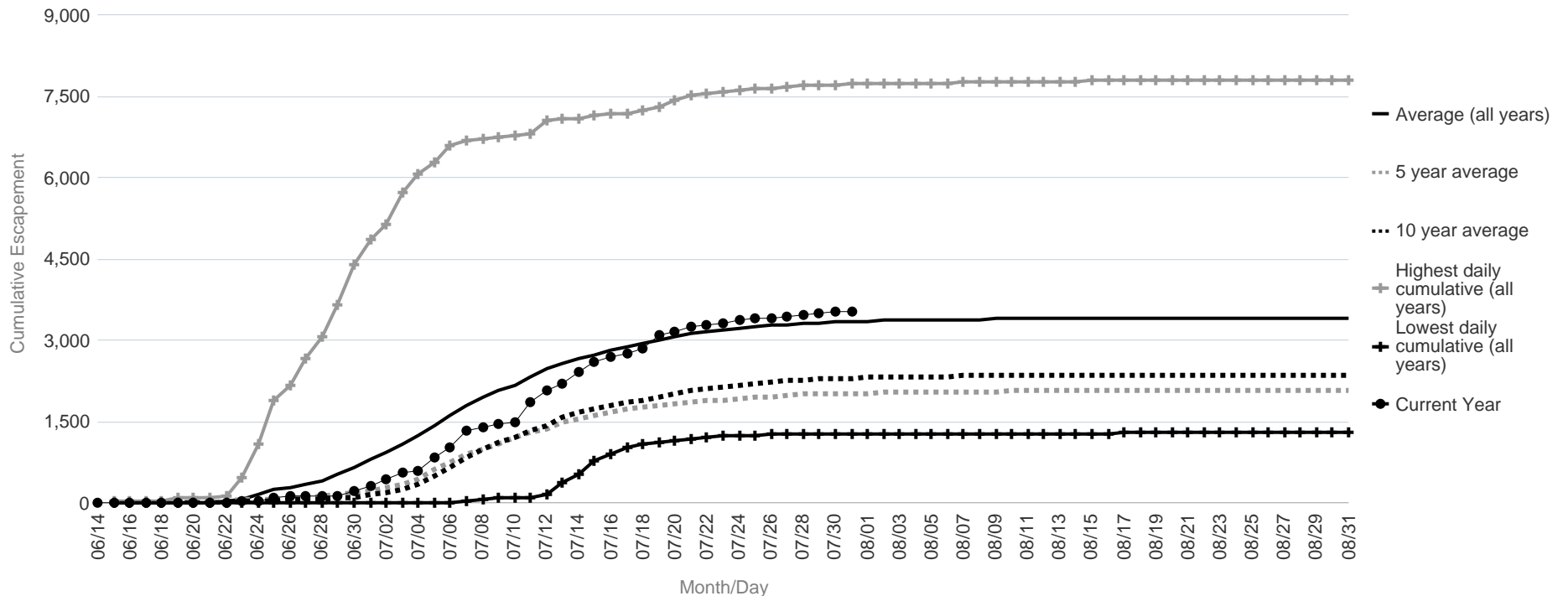
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	1,251	3,250	1,954	2,214	7,648	3,395
07/26	1,260	3,271	1,967	2,236	7,666	3,413
07/27	1,264	3,292	1,988	2,256	7,675	3,444
07/28	1,272	3,312	2,003	2,274	7,700	3,473
07/29	1,273	3,325	2,012	2,287	7,707	3,500
07/30	1,275	3,334	2,019	2,293	7,720	3,528
07/31	1,276	3,346	2,026	2,303	7,733	3,545
08/01	1,279	3,356	2,032	2,313	7,737	
08/02	1,280	3,364	2,037	2,320	7,742	
08/03	1,283	3,372	2,043	2,326	7,749	
08/04	1,283	3,377	2,046	2,330	7,753	
08/05	1,283	3,383	2,050	2,336	7,757	
08/06	1,283	3,387	2,054	2,340	7,759	
08/07	1,284	3,391	2,058	2,343	7,762	
08/08	1,284	3,395	2,060	2,345	7,765	

	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



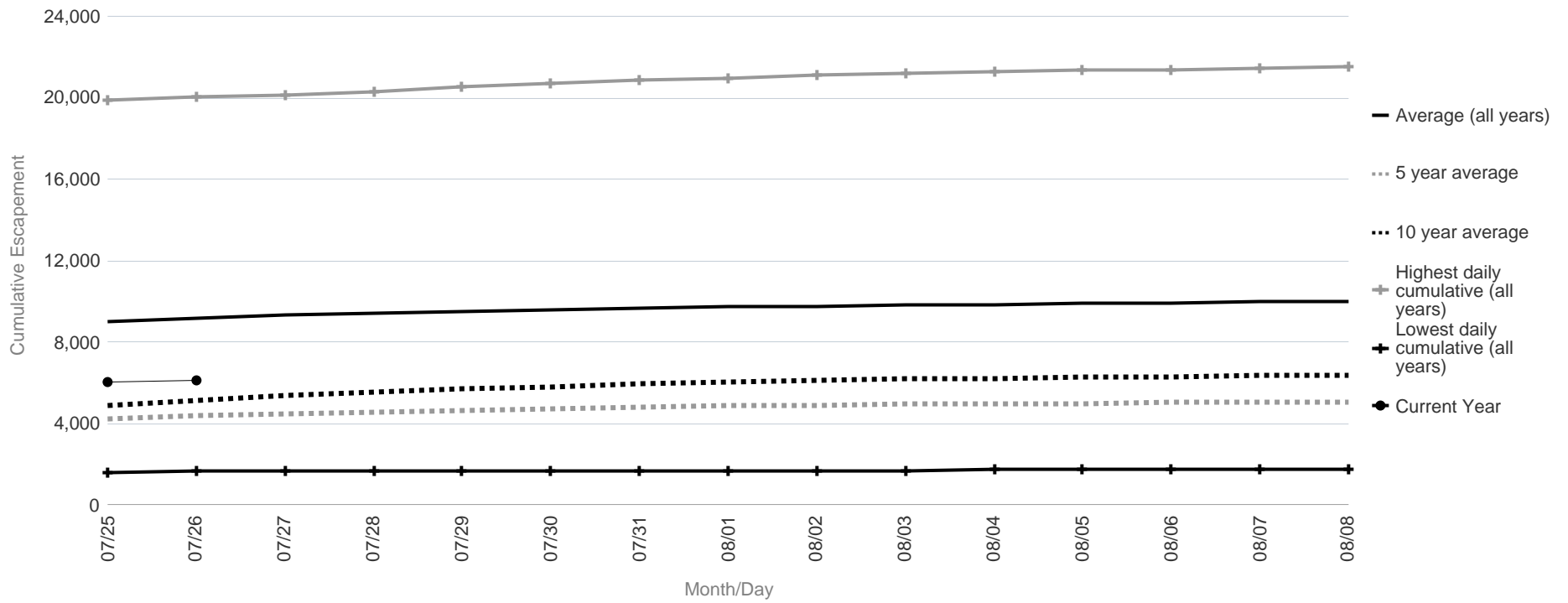
## Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

**Escapement Goal Range: 4,800 to 8,800**

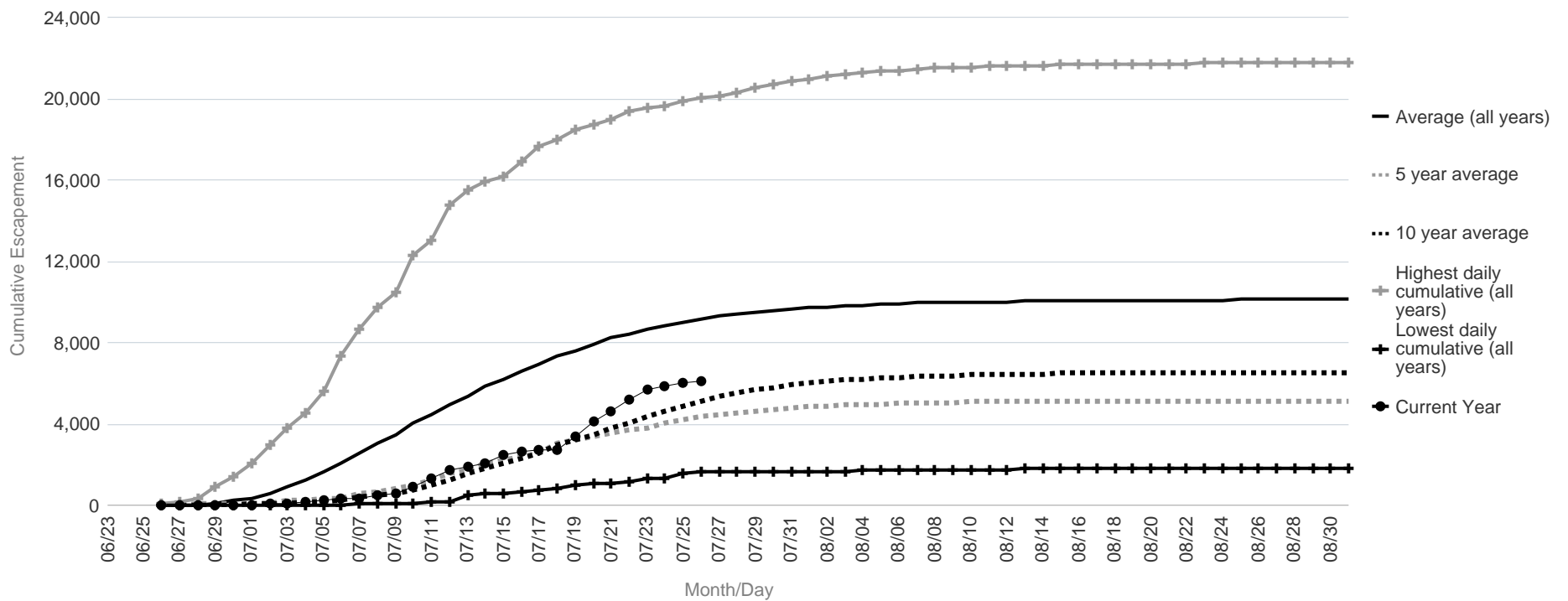
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	1,559	9,039	4,197	4,867	19,901	6,070
07/26	1,629	9,190	4,352	5,158	20,060	6,085
07/27	1,648	9,322	4,490	5,378	20,195	
07/28	1,654	9,437	4,587	5,551	20,362	
07/29	1,655	9,539	4,651	5,713	20,597	
07/30	1,666	9,618	4,732	5,825	20,764	
07/31	1,678	9,685	4,805	5,928	20,896	
08/01	1,688	9,738	4,863	6,017	20,977	
08/02	1,692	9,790	4,909	6,096	21,108	
08/03	1,702	9,839	4,940	6,172	21,212	
08/04	1,719	9,877	4,975	6,227	21,310	
08/05	1,721	9,912	5,001	6,278	21,374	
08/06	1,734	9,940	5,024	6,325	21,431	
08/07	1,746	9,962	5,042	6,354	21,476	
08/08	1,756	9,981	5,061	6,380	21,527	

	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

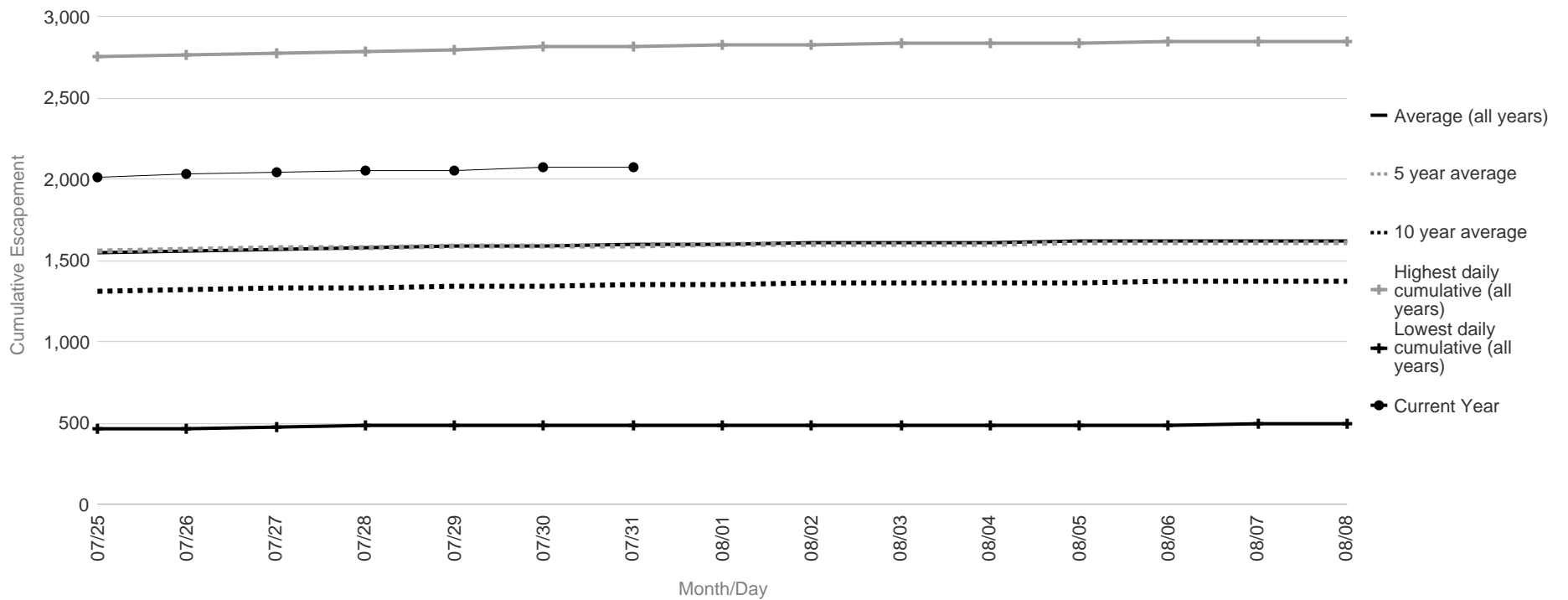


### Tatlawiksuk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

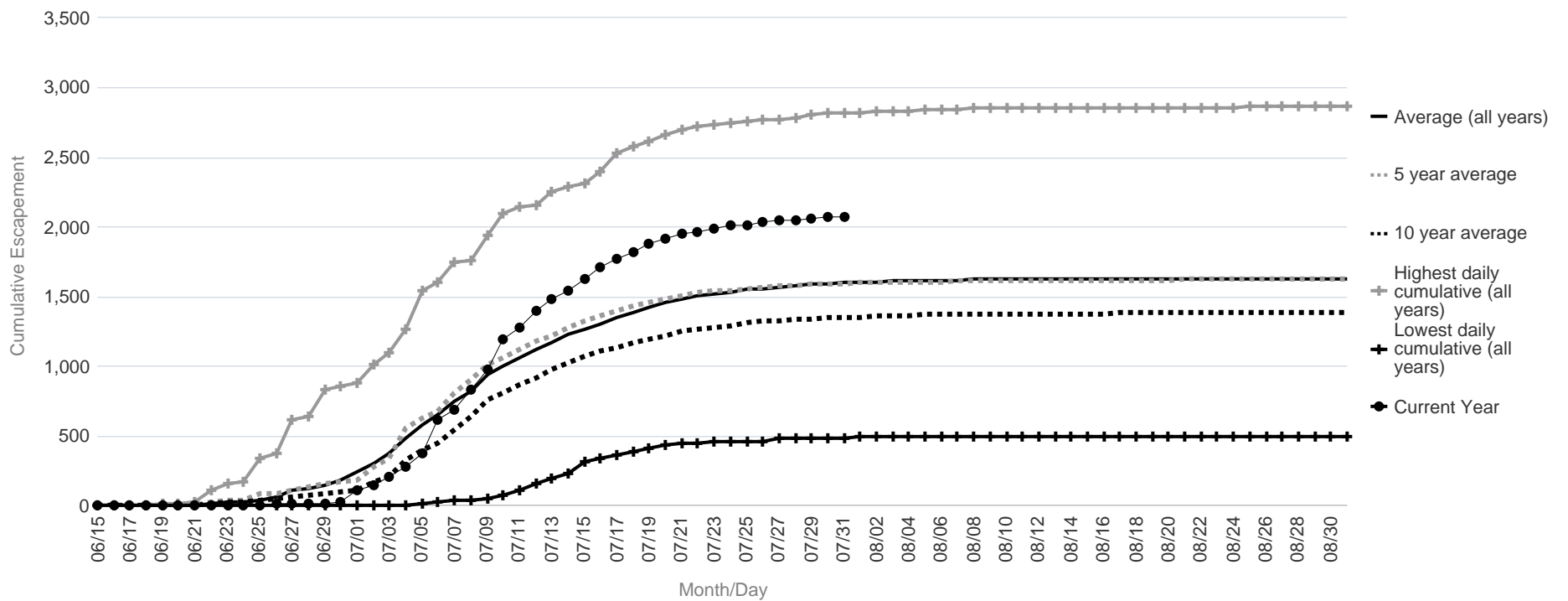
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	462	1,550	1,559	1,309	2,760	2,018
07/26	465	1,561	1,570	1,321	2,771	2,032
07/27	478	1,572	1,578	1,329	2,776	2,044
07/28	484	1,581	1,585	1,338	2,788	2,051
07/29	485	1,589	1,588	1,342	2,802	2,060
07/30	485	1,595	1,592	1,346	2,814	2,071
07/31	485	1,600	1,594	1,350	2,822	2,073
08/01	490	1,604	1,598	1,355	2,825	
08/02	491	1,607	1,600	1,359	2,832	
08/03	491	1,611	1,602	1,362	2,837	
08/04	491	1,614	1,604	1,366	2,837	
08/05	491	1,617	1,607	1,369	2,844	
08/06	491	1,619	1,608	1,372	2,846	
08/07	492	1,621	1,610	1,373	2,849	
08/08	492	1,623	1,612	1,374	2,851	

	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

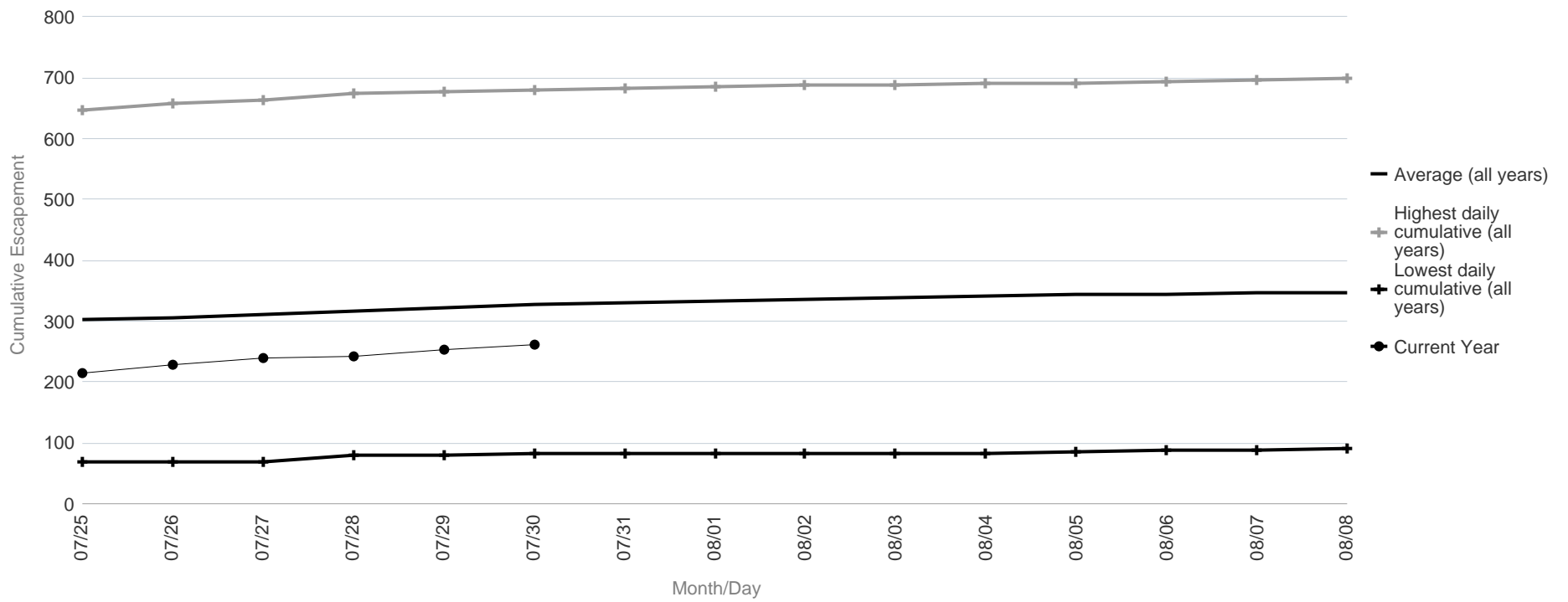


### Takotna River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

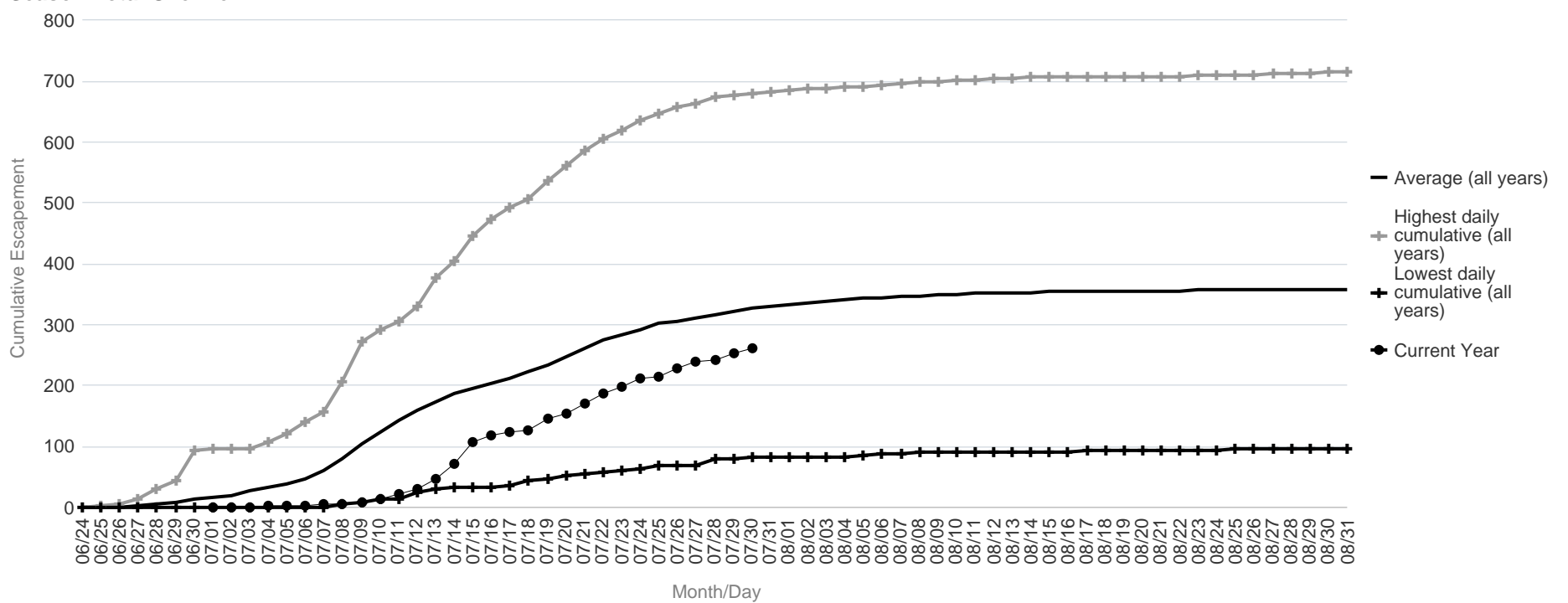
Date	Lowest daily cumulative (all years)	Average (all years)	Highest daily cumulative (all years)	Current Year
07/25	68	302	647	216
07/26	69	307	658	228
07/27	70	312	664	239
07/28	79	318	675	242
07/29	79	323	678	253
07/30	82	328	680	261
07/31	82	331	684	
08/01	82	333	685	
08/02	82	335	688	
08/03	82	338	688	
08/04	84	341	690	
08/05	86	343	691	
08/06	89	345	695	
08/07	89	347	696	
08/08	92	348	699	

	Lowest Count	Average Count	Highest Count
Season Total	97	361	718

#### Focused Two-Week Data View



#### Season Total Overview



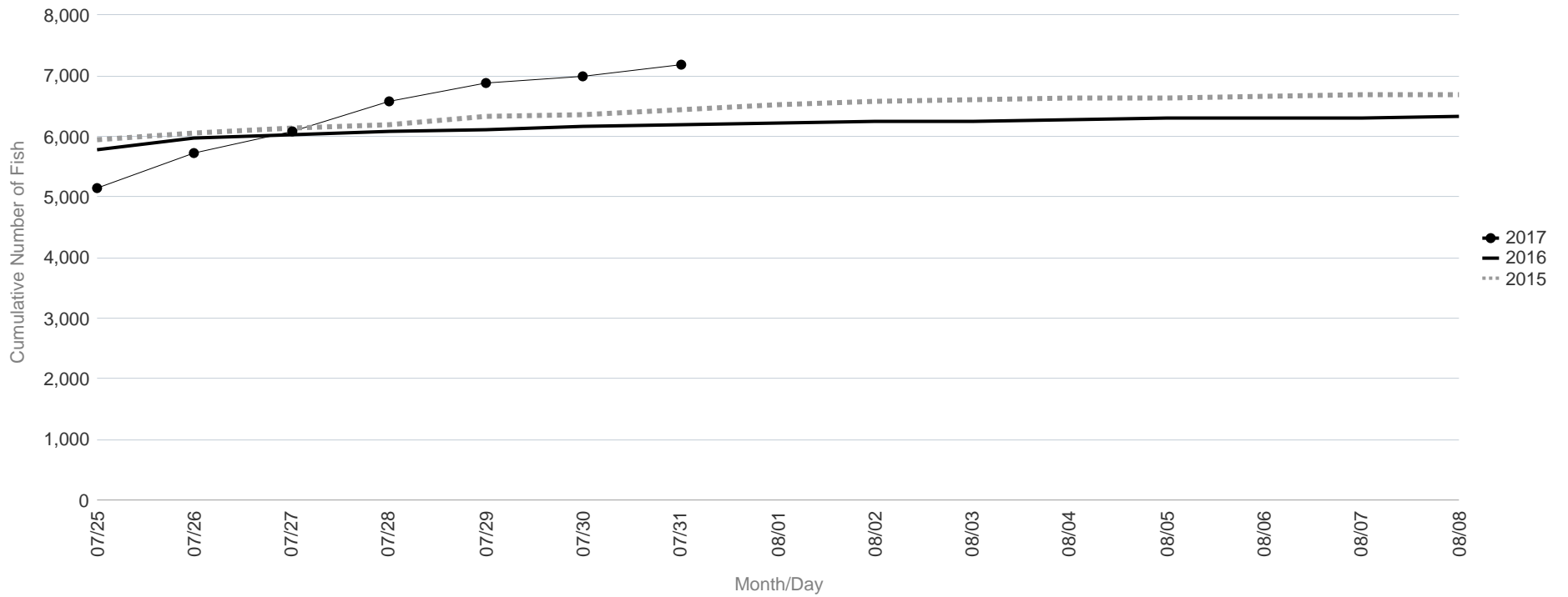


### Salmon River (Pitka Fork) Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

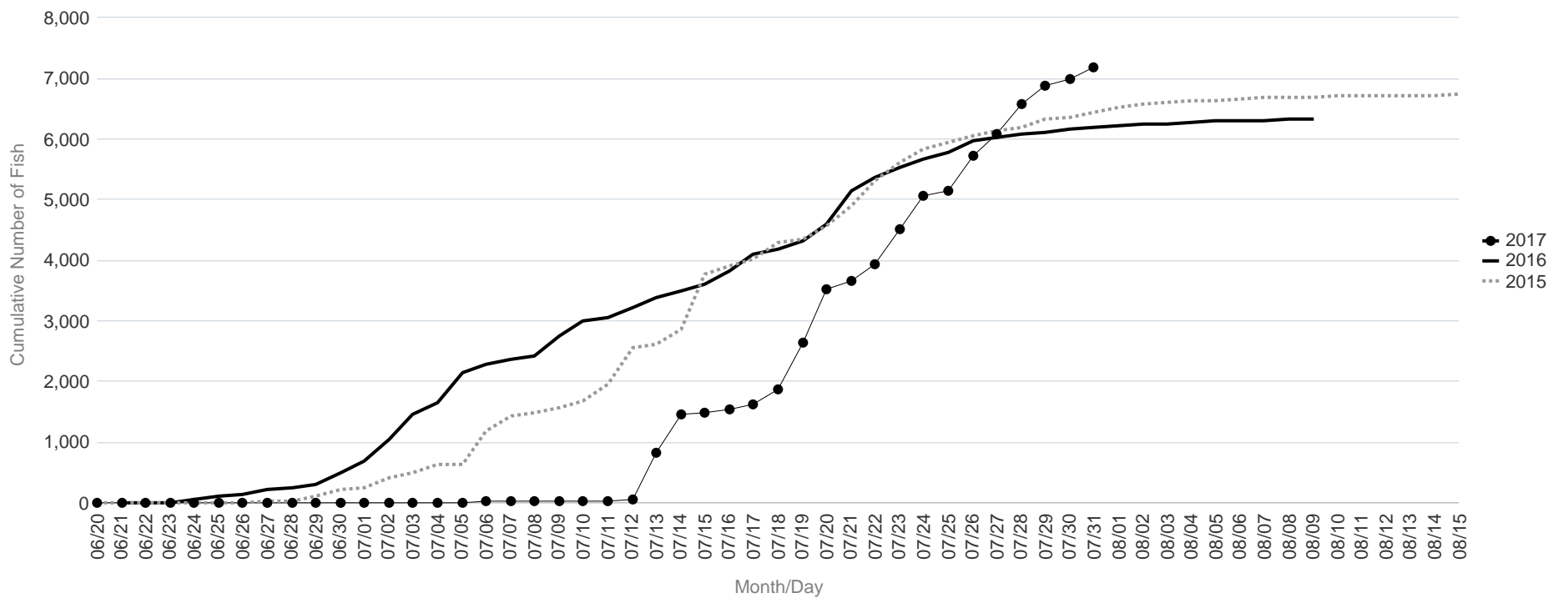
Cumulative Daily Passage			
Date	2015	2016	2017
07/25	5,961	5,795	5,146
07/26	6,061	5,967	5,741
07/27	6,143	6,032	6,082
07/28	6,198	6,076	6,577
07/29	6,346	6,118	6,891
07/30	6,372	6,163	7,003
07/31	6,439	6,199	7,181
08/01	6,539	6,223	
08/02	6,578	6,242	
08/03	6,598	6,261	
08/04	6,628	6,284	
08/05	6,650	6,296	
08/06	6,666	6,300	
08/07	6,680	6,313	
08/08	6,685	6,324	

	2015	2016
Season Total	6,736	6,326

#### Focused Two-Week Data View



#### Season Total Overview

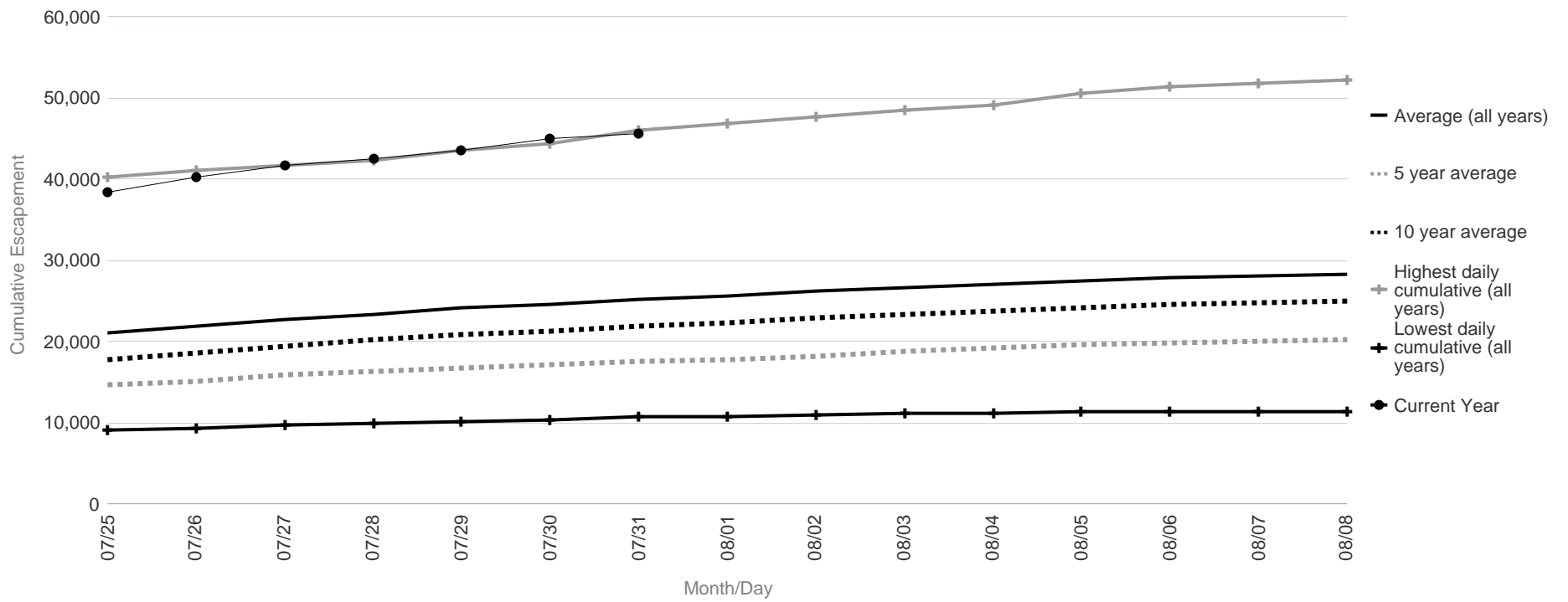


### Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

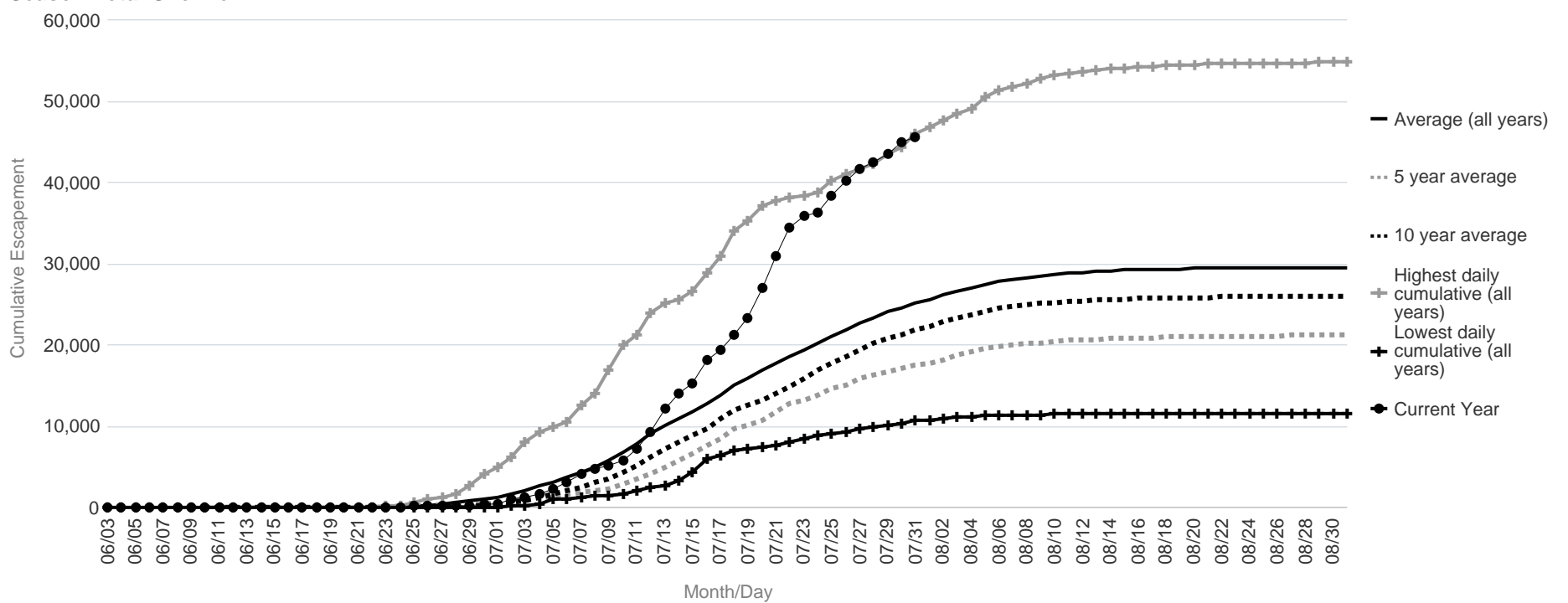
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	9,015	21,176	14,584	17,819	40,246	38,487
07/26	9,346	21,968	15,125	18,637	41,025	40,305
07/27	9,711	22,773	15,864	19,512	41,681	41,754
07/28	9,928	23,454	16,354	20,185	42,419	42,457
07/29	10,129	24,149	16,729	20,831	43,514	43,546
07/30	10,426	24,682	17,095	21,348	44,489	45,109
07/31	10,674	25,207	17,511	21,873	46,067	45,648
08/01	10,829	25,717	17,819	22,357	46,805	
08/02	10,972	26,267	18,295	22,897	47,653	
08/03	11,127	26,707	18,796	23,321	48,471	
08/04	11,224	27,140	19,298	23,834	49,247	
08/05	11,326	27,529	19,610	24,218	50,630	
08/06	11,364	27,865	19,840	24,497	51,367	
08/07	11,412	28,148	20,012	24,738	51,831	
08/08	11,435	28,383	20,180	24,945	52,349	

	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

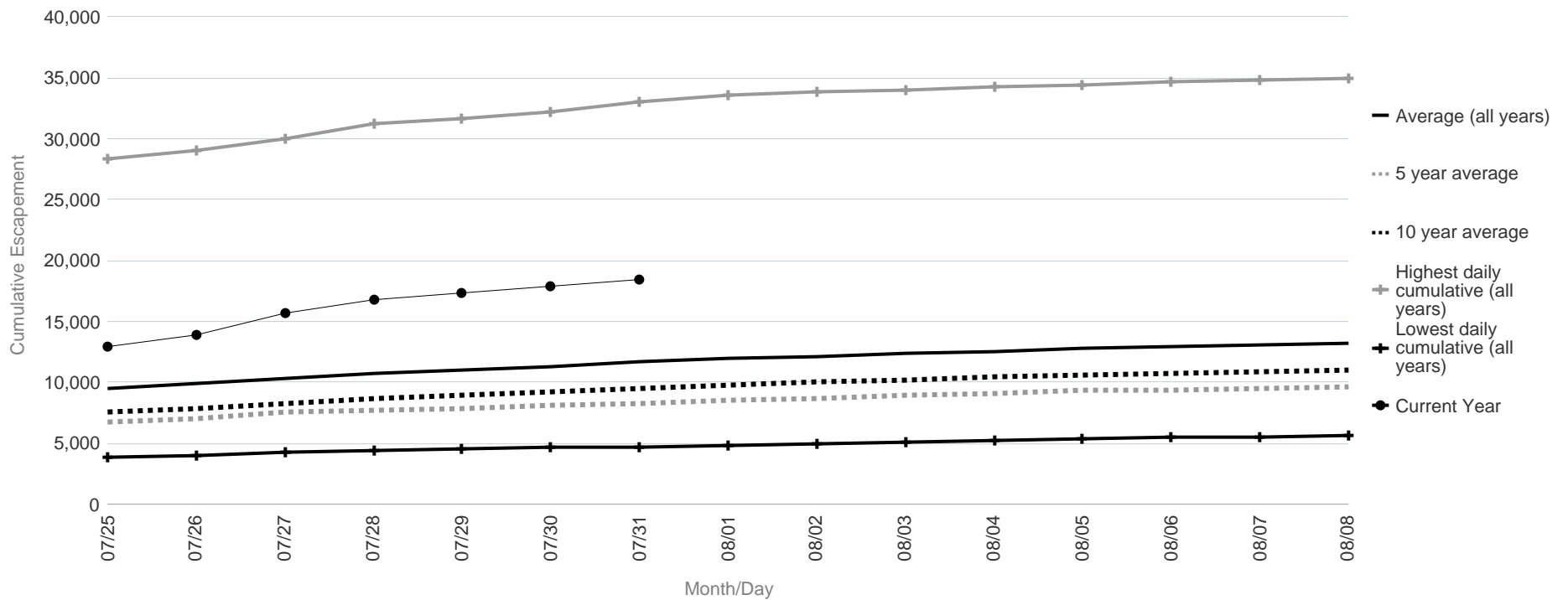


### Tuluksak River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

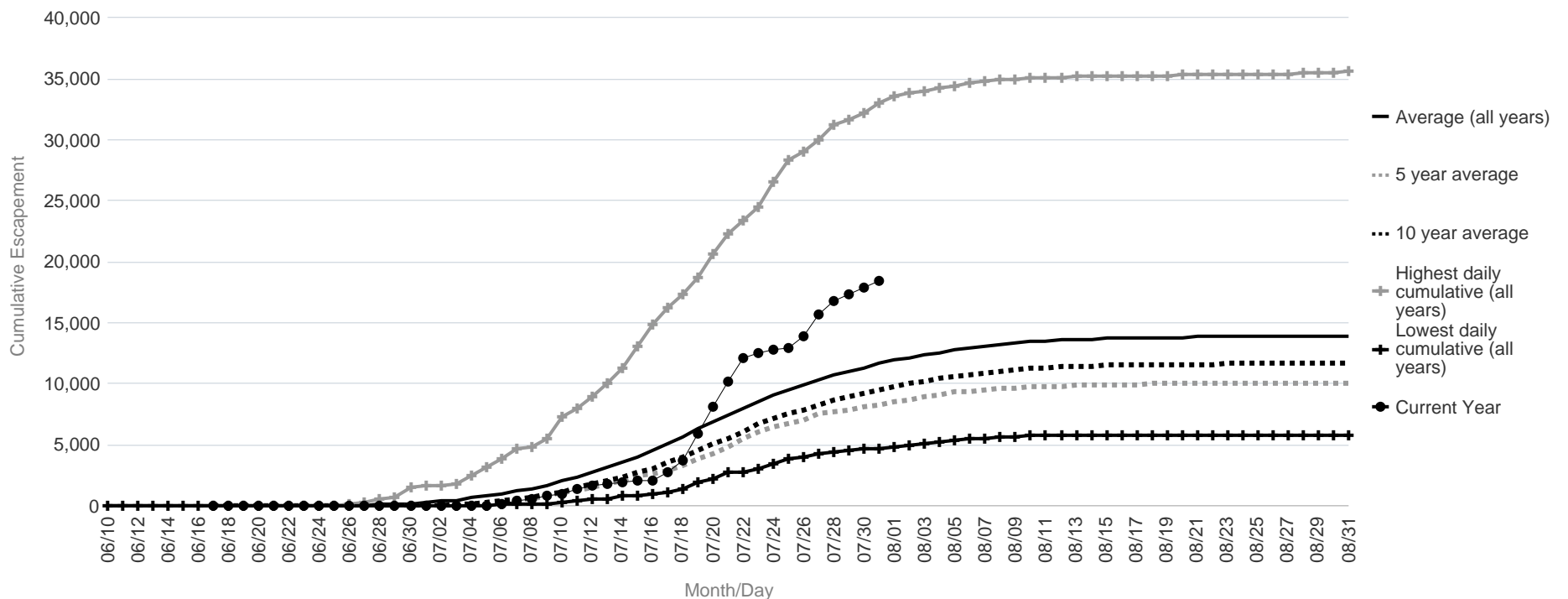
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	3,876	9,509	6,777	7,554	28,407	12,949
07/26	4,014	9,898	7,107	7,925	29,100	13,856
07/27	4,237	10,335	7,540	8,339	30,075	15,685
07/28	4,392	10,752	7,770	8,678	31,252	16,748
07/29	4,502	11,061	7,899	8,946	31,712	17,335
07/30	4,642	11,358	8,115	9,238	32,198	17,849
07/31	4,766	11,677	8,345	9,501	33,002	18,452
08/01	4,888	11,950	8,524	9,763	33,648	
08/02	4,998	12,178	8,740	10,006	33,869	
08/03	5,139	12,396	8,957	10,256	34,032	
08/04	5,289	12,604	9,162	10,471	34,305	
08/05	5,368	12,771	9,313	10,625	34,480	
08/06	5,474	12,958	9,438	10,783	34,660	
08/07	5,538	13,099	9,532	10,921	34,807	
08/08	5,639	13,247	9,623	11,070	34,923	

	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

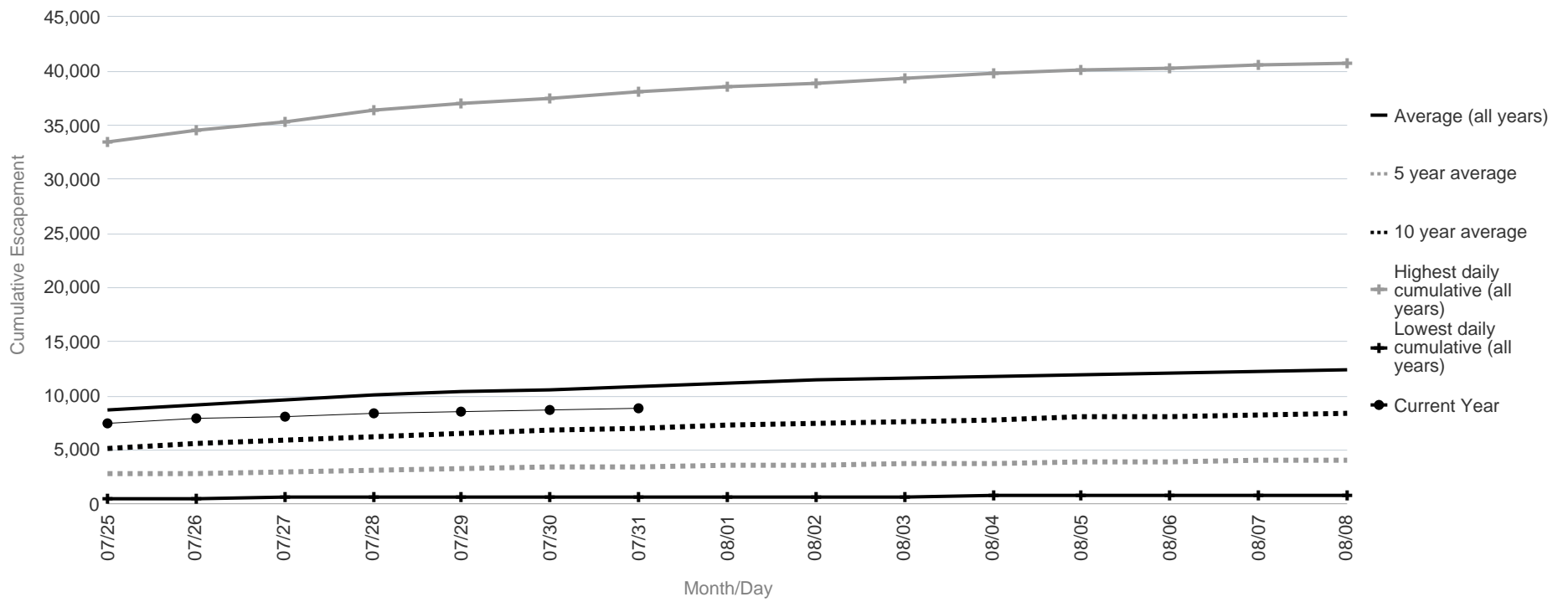


### Salmon River (Aniak) Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

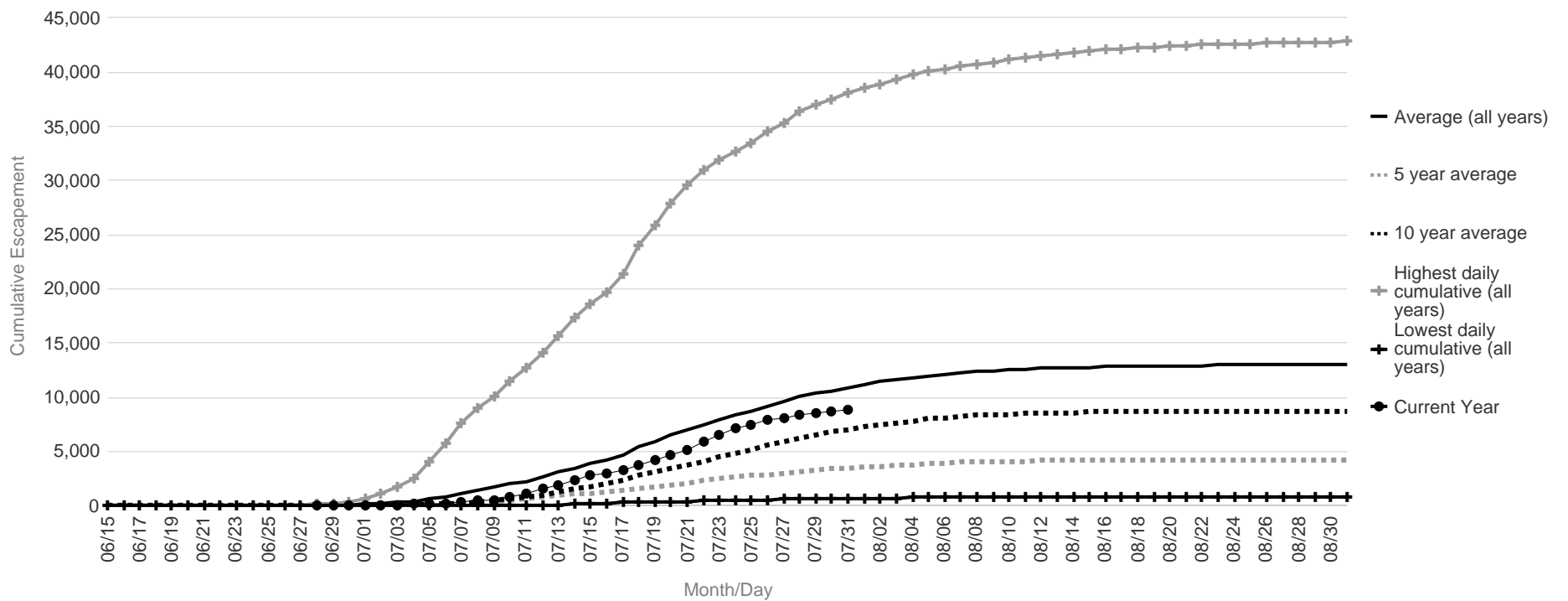
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	536	8,735	2,785	5,205	33,441	7,509
07/26	556	9,209	2,876	5,600	34,472	7,946
07/27	586	9,593	3,007	5,907	35,394	8,080
07/28	607	10,012	3,146	6,246	36,375	8,346
07/29	631	10,355	3,277	6,542	37,044	8,496
07/30	653	10,610	3,372	6,776	37,452	8,705
07/31	668	10,893	3,475	7,013	38,050	8,863
08/01	686	11,150	3,572	7,243	38,500	
08/02	699	11,405	3,650	7,469	38,954	
08/03	713	11,622	3,712	7,656	39,387	
08/04	726	11,822	3,799	7,828	39,784	
08/05	737	12,008	3,877	8,003	40,044	
08/06	748	12,154	3,935	8,135	40,282	
08/07	758	12,277	3,997	8,242	40,527	
08/08	766	12,367	4,042	8,320	40,695	

	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

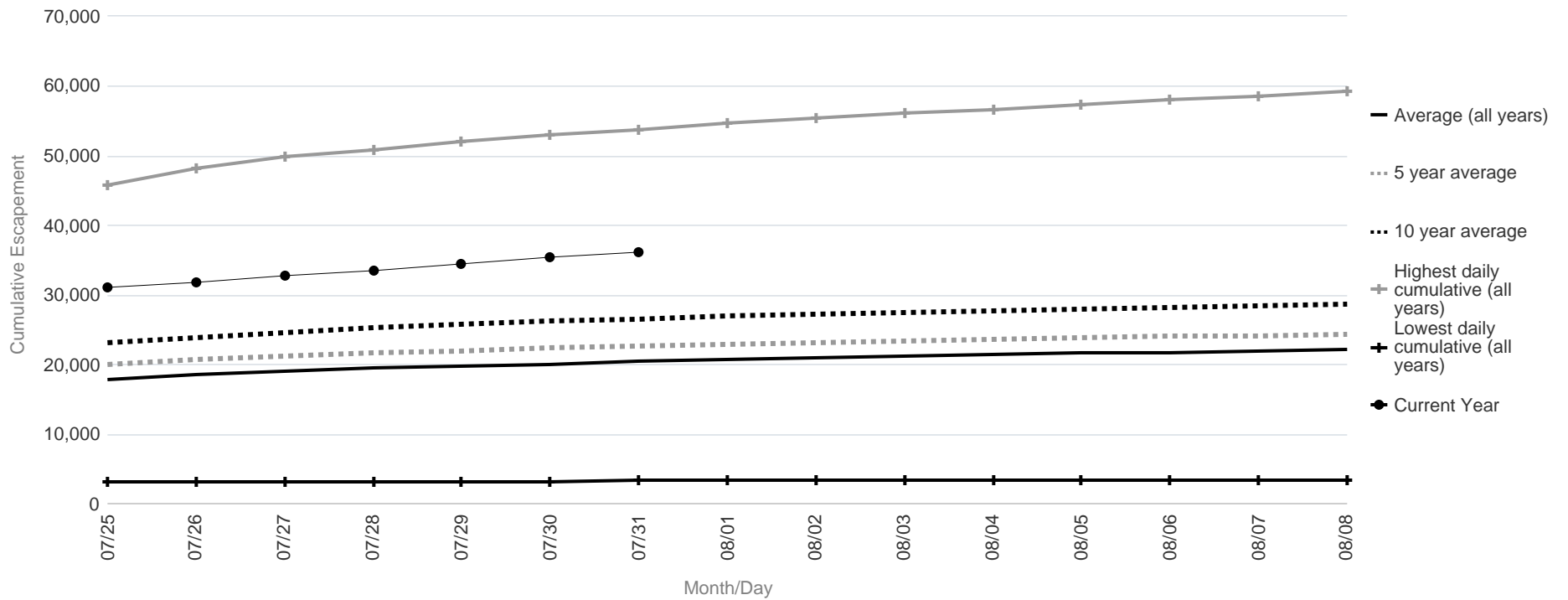


### George River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

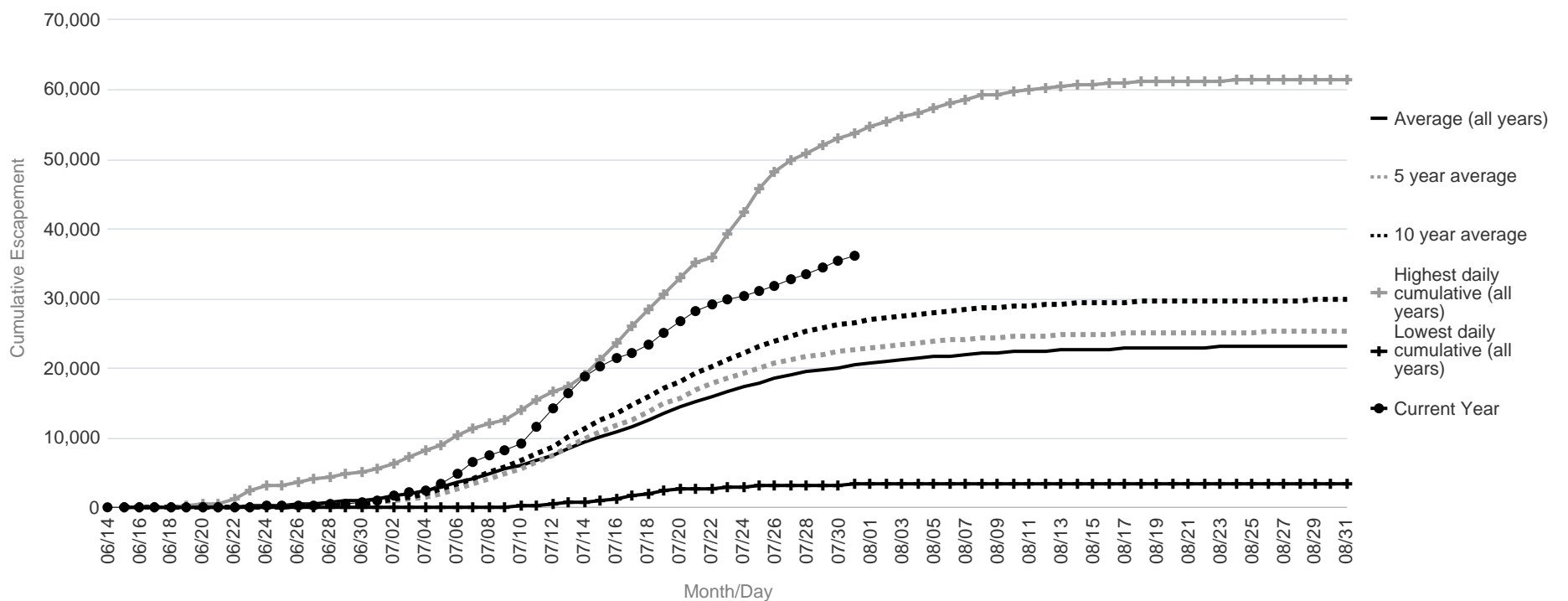
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	3,071	17,947	20,046	23,153	45,702	31,105
07/26	3,127	18,527	20,631	23,983	48,103	31,800
07/27	3,174	19,016	21,191	24,685	49,825	32,731
07/28	3,208	19,437	21,679	25,249	50,935	33,462
07/29	3,236	19,807	22,061	25,736	52,111	34,474
07/30	3,262	20,132	22,430	26,181	52,975	35,384
07/31	3,325	20,440	22,712	26,559	53,824	36,180
08/01	3,355	20,720	22,957	26,927	54,662	
08/02	3,382	20,969	23,199	27,248	55,432	
08/03	3,404	21,197	23,425	27,528	56,153	
08/04	3,407	21,411	23,621	27,787	56,699	
08/05	3,428	21,600	23,821	28,000	57,297	
08/06	3,429	21,785	23,999	28,234	57,982	
08/07	3,432	21,961	24,163	28,449	58,603	
08/08	3,434	22,119	24,295	28,638	59,165	

	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



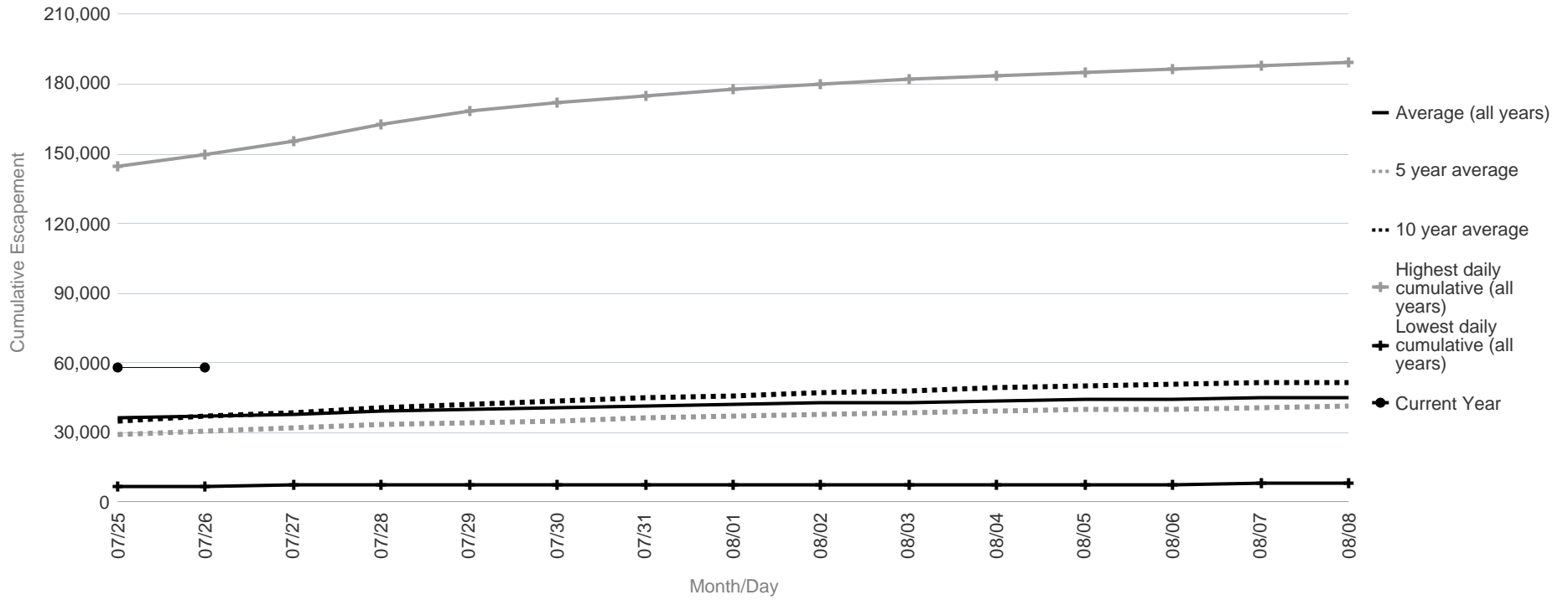
## Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

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

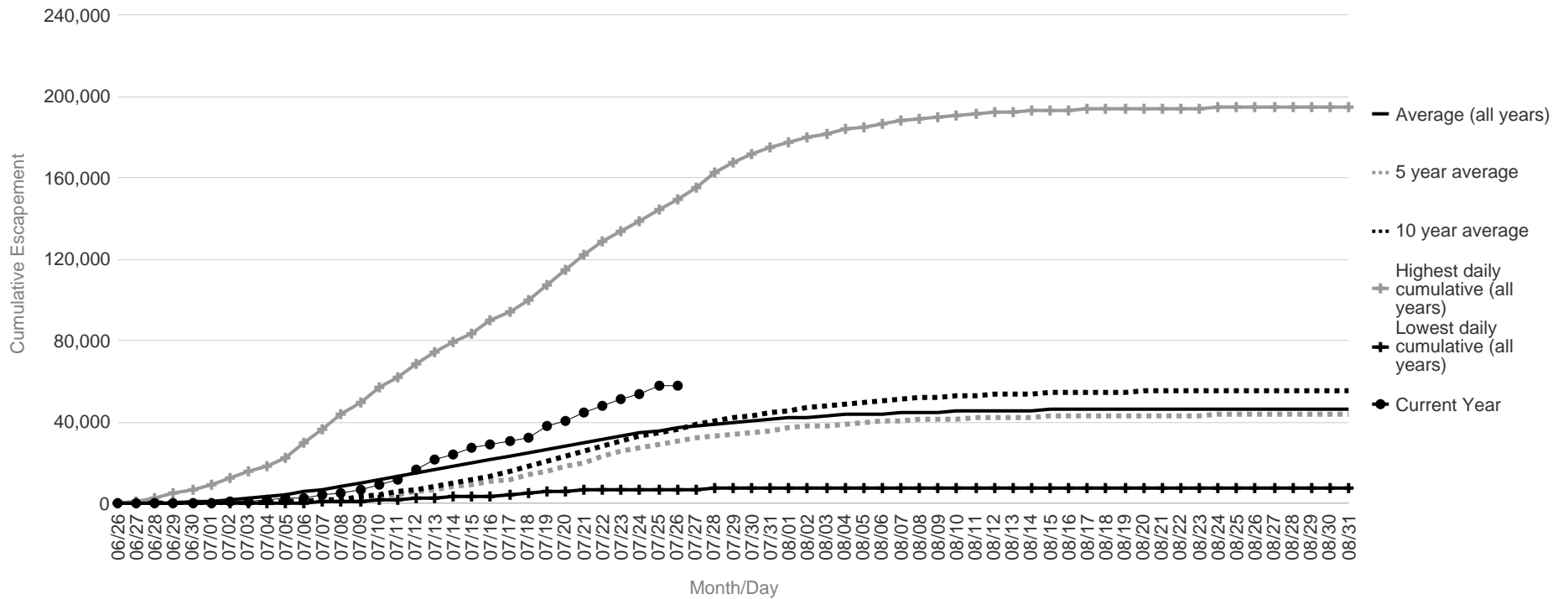
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	6,758	35,877	29,376	34,854	144,412	57,765
07/26	6,881	36,928	30,758	36,791	149,874	57,815
07/27	6,981	37,946	32,156	38,649	155,537	
07/28	7,173	38,999	33,281	40,576	162,694	
07/29	7,296	39,853	33,948	42,093	168,130	
07/30	7,373	40,599	34,947	43,445	171,851	
07/31	7,409	41,280	35,881	44,670	175,051	
08/01	7,457	41,913	36,987	45,908	177,728	
08/02	7,507	42,485	37,779	46,971	180,277	
08/03	7,563	43,016	38,464	48,016	182,100	
08/04	7,601	43,491	39,102	48,957	183,839	
08/05	7,634	43,917	39,667	49,840	185,249	
08/06	7,676	44,268	40,196	50,578	186,767	
08/07	7,708	44,549	40,647	51,176	187,962	
08/08	7,729	44,819	41,051	51,755	189,231	

	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

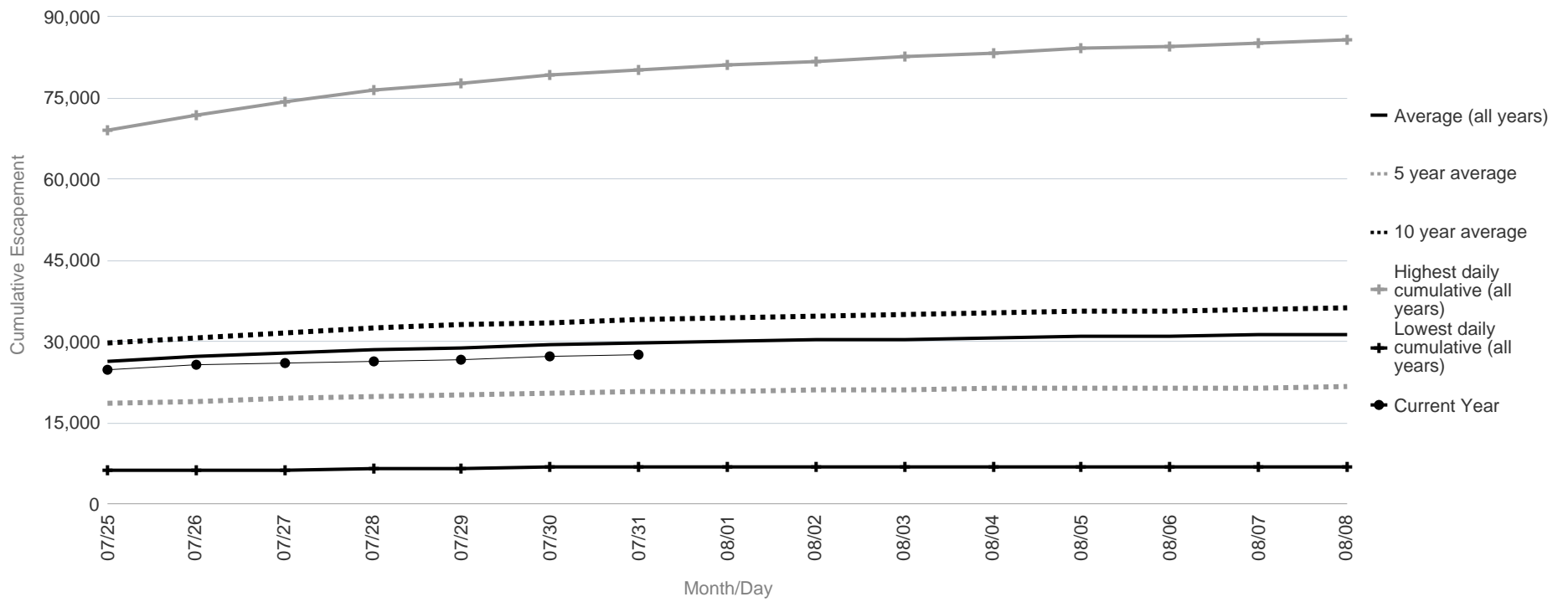


### Tatlawiksuk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

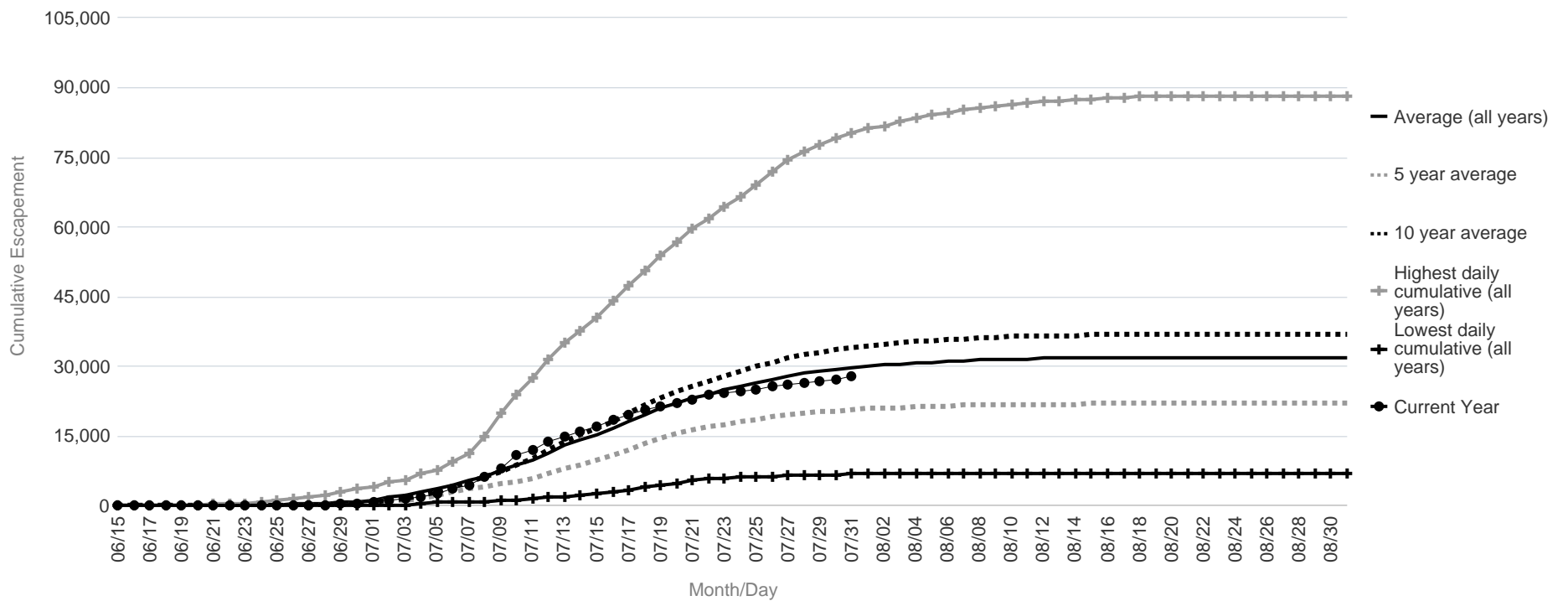
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	6,182	26,441	18,598	29,860	69,119	24,925
07/26	6,267	27,158	19,044	30,792	71,939	25,633
07/27	6,389	27,862	19,511	31,714	74,471	26,111
07/28	6,482	28,475	19,906	32,516	76,396	26,514
07/29	6,576	28,941	20,235	33,089	77,857	26,783
07/30	6,717	29,334	20,462	33,540	79,228	27,289
07/31	6,789	29,702	20,654	33,983	80,232	27,735
08/01	6,830	30,007	20,826	34,382	81,164	
08/02	6,880	30,281	20,993	34,734	81,839	
08/03	6,898	30,544	21,154	35,078	82,696	
08/04	6,913	30,758	21,280	35,369	83,454	
08/05	6,921	30,938	21,405	35,599	84,124	
08/06	6,930	31,093	21,496	35,802	84,714	
08/07	6,942	31,231	21,562	35,972	85,233	
08/08	6,947	31,347	21,629	36,119	85,689	

	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

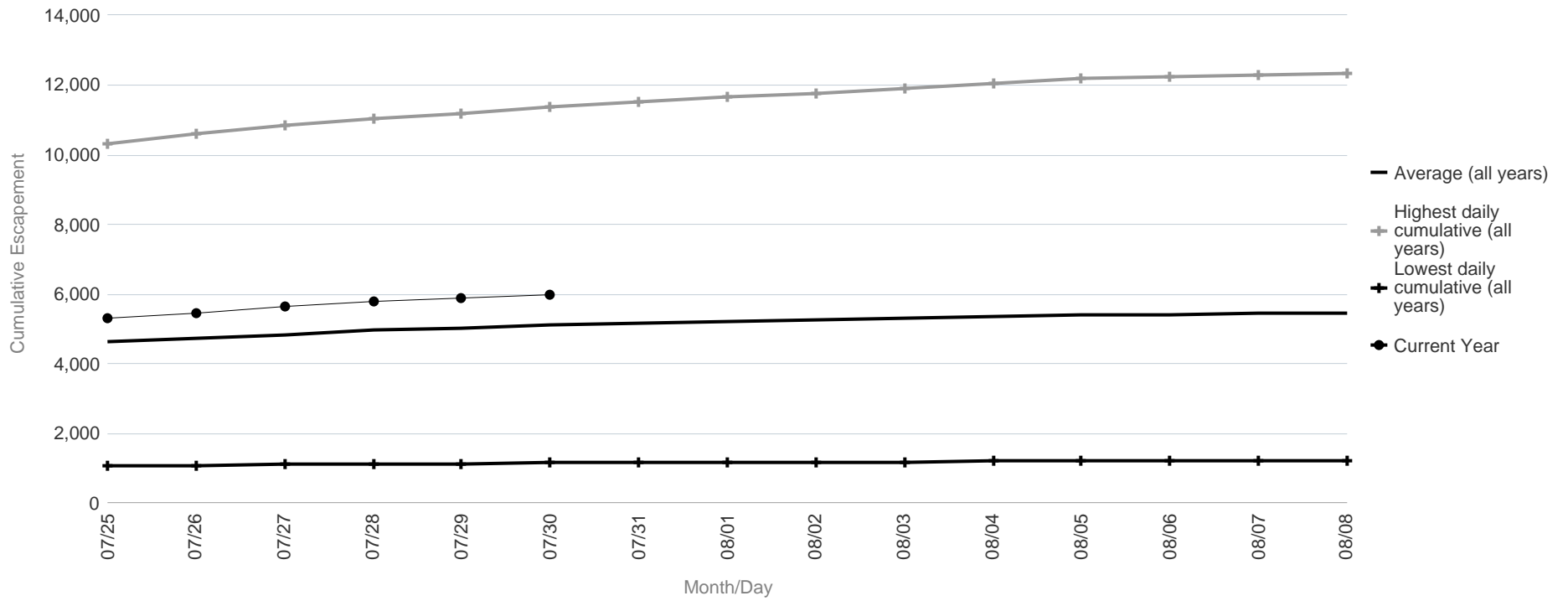


### Takotna River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

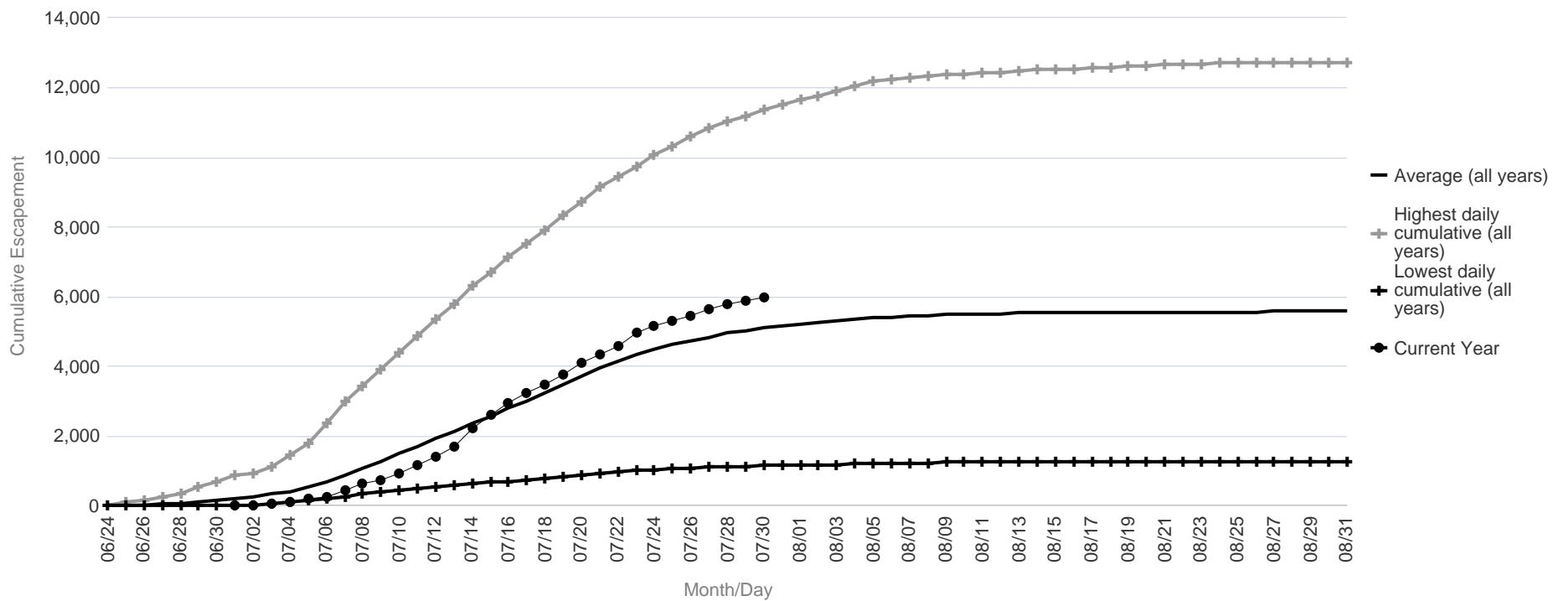
Date	Lowest daily cumulative (all years)	Average (all years)	Highest daily cumulative (all years)	Current Year
07/25	1,067	4,610	10,337	5,310
07/26	1,087	4,733	10,591	5,446
07/27	1,101	4,836	10,839	5,623
07/28	1,112	4,945	11,055	5,768
07/29	1,130	5,028	11,188	5,893
07/30	1,142	5,100	11,351	5,976
07/31	1,152	5,168	11,507	
08/01	1,155	5,218	11,642	
08/02	1,167	5,262	11,773	
08/03	1,169	5,303	11,921	
08/04	1,191	5,346	12,052	
08/05	1,213	5,387	12,183	
08/06	1,224	5,419	12,245	
08/07	1,229	5,442	12,299	
08/08	1,234	5,466	12,353	

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

#### Focused Two-Week Data View



#### Season Total Overview



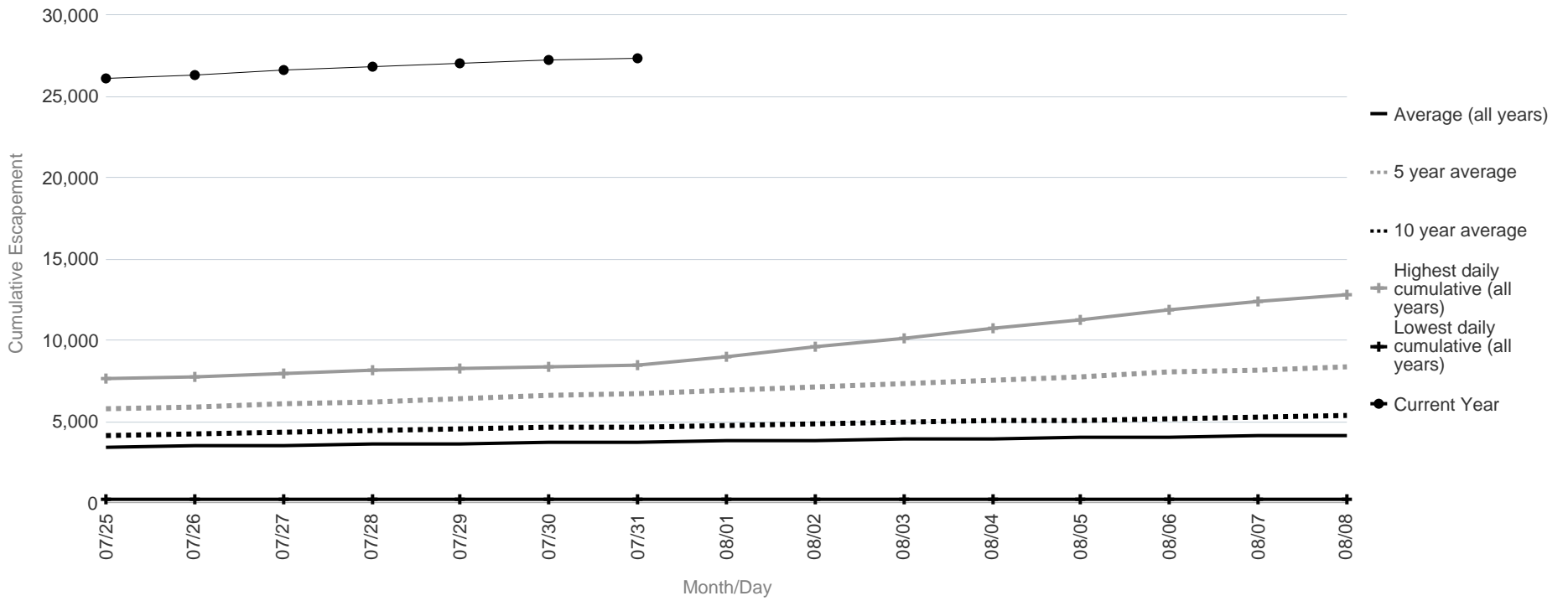


### Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

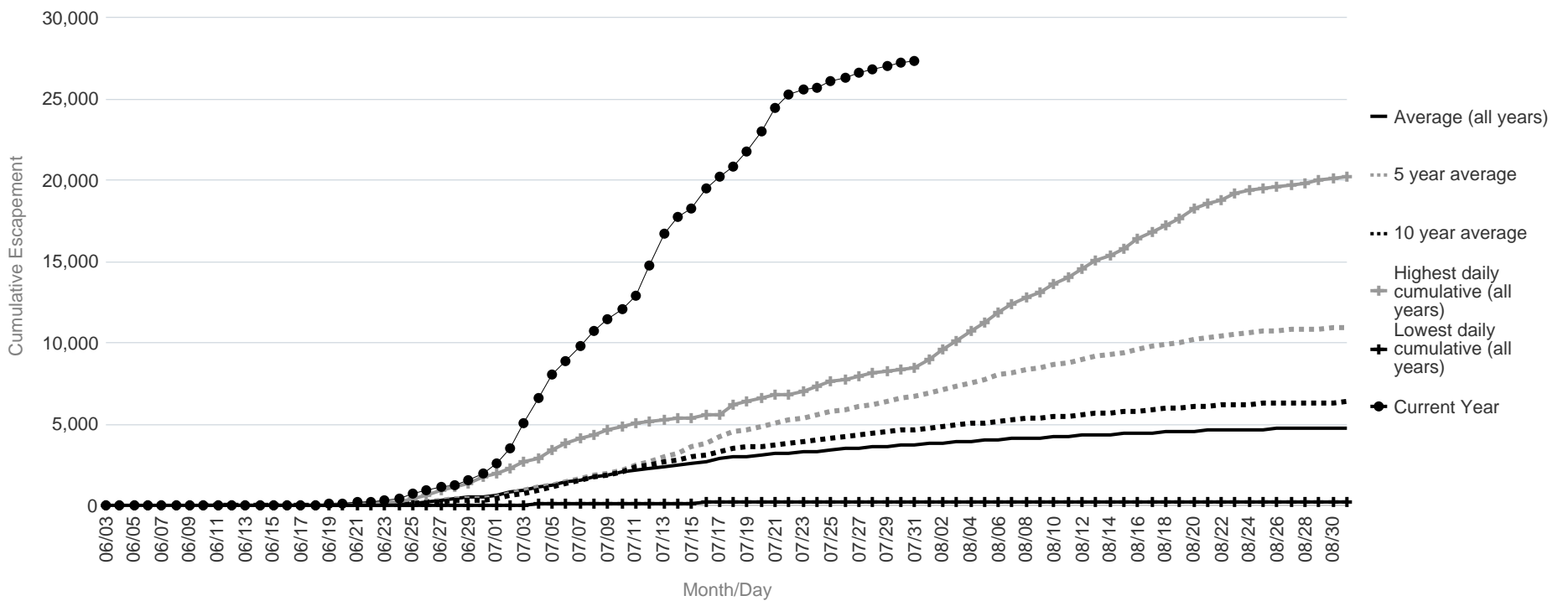
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	228	3,432	5,761	4,176	7,621	26,083
07/26	233	3,478	5,881	4,249	7,747	26,356
07/27	233	3,540	6,060	4,350	8,001	26,627
07/28	234	3,593	6,235	4,435	8,140	26,802
07/29	236	3,648	6,410	4,526	8,263	27,011
07/30	238	3,701	6,608	4,614	8,400	27,240
07/31	240	3,746	6,766	4,686	8,529	27,368
08/01	243	3,799	6,968	4,772	9,040	
08/02	244	3,857	7,179	4,864	9,594	
08/03	247	3,911	7,391	4,952	10,173	
08/04	249	3,963	7,595	5,037	10,706	
08/05	251	4,013	7,784	5,118	11,248	
08/06	254	4,071	8,014	5,212	11,900	
08/07	257	4,115	8,196	5,284	12,414	
08/08	257	4,150	8,335	5,341	12,802	

	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

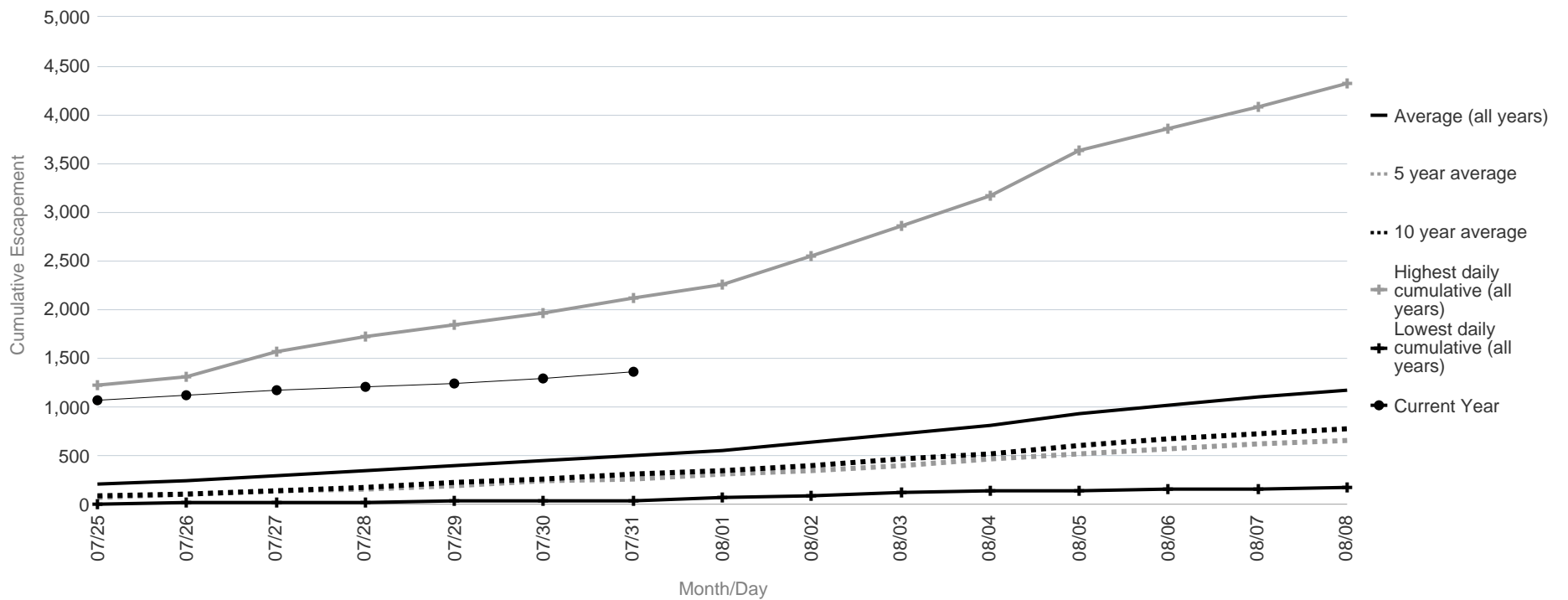


### Salmon River (Aniak) Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

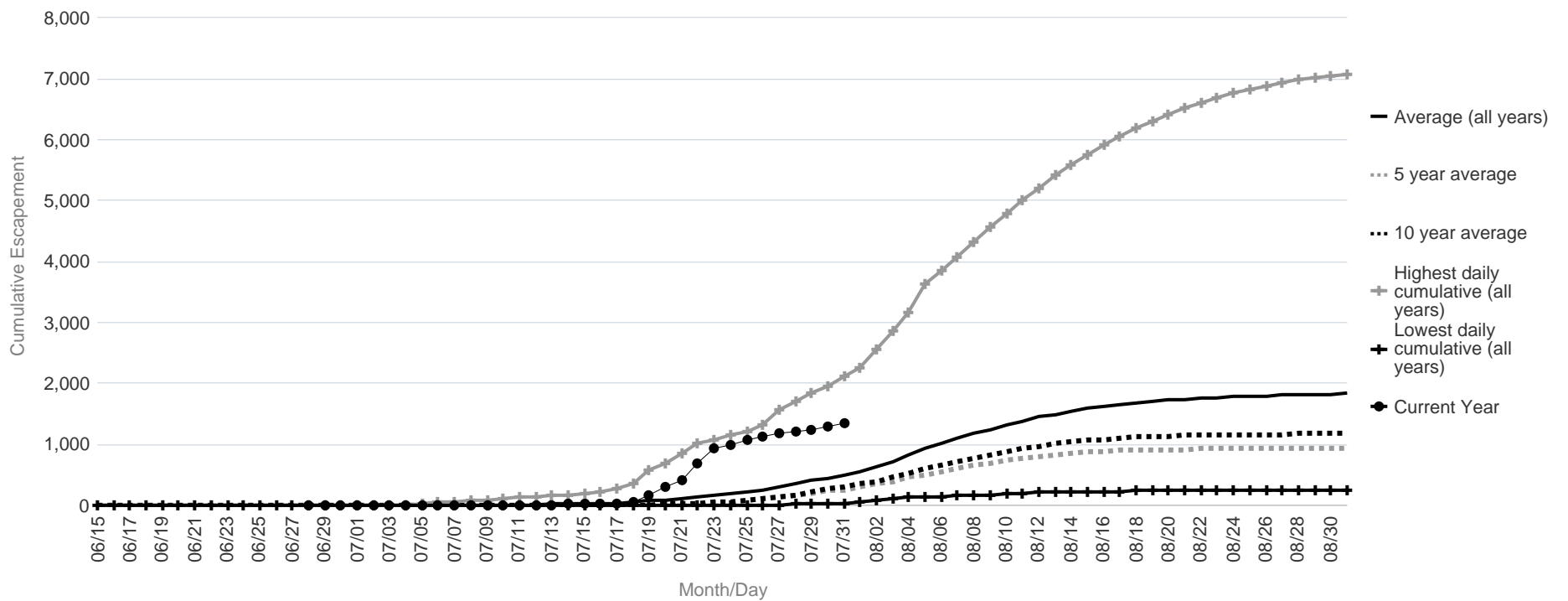
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	11	211	78	84	1,224	1,064
07/26	12	247	105	113	1,316	1,127
07/27	18	302	134	145	1,560	1,179
07/28	20	351	159	180	1,717	1,211
07/29	29	406	193	227	1,839	1,239
07/30	35	456	241	267	1,968	1,300
07/31	45	508	266	307	2,121	1,354
08/01	66	561	311	350	2,253	
08/02	96	636	350	397	2,552	
08/03	124	727	401	460	2,861	
08/04	138	818	465	525	3,167	
08/05	148	939	512	602	3,634	
08/06	155	1,021	562	667	3,859	
08/07	165	1,100	620	727	4,084	
08/08	171	1,178	656	784	4,327	

	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



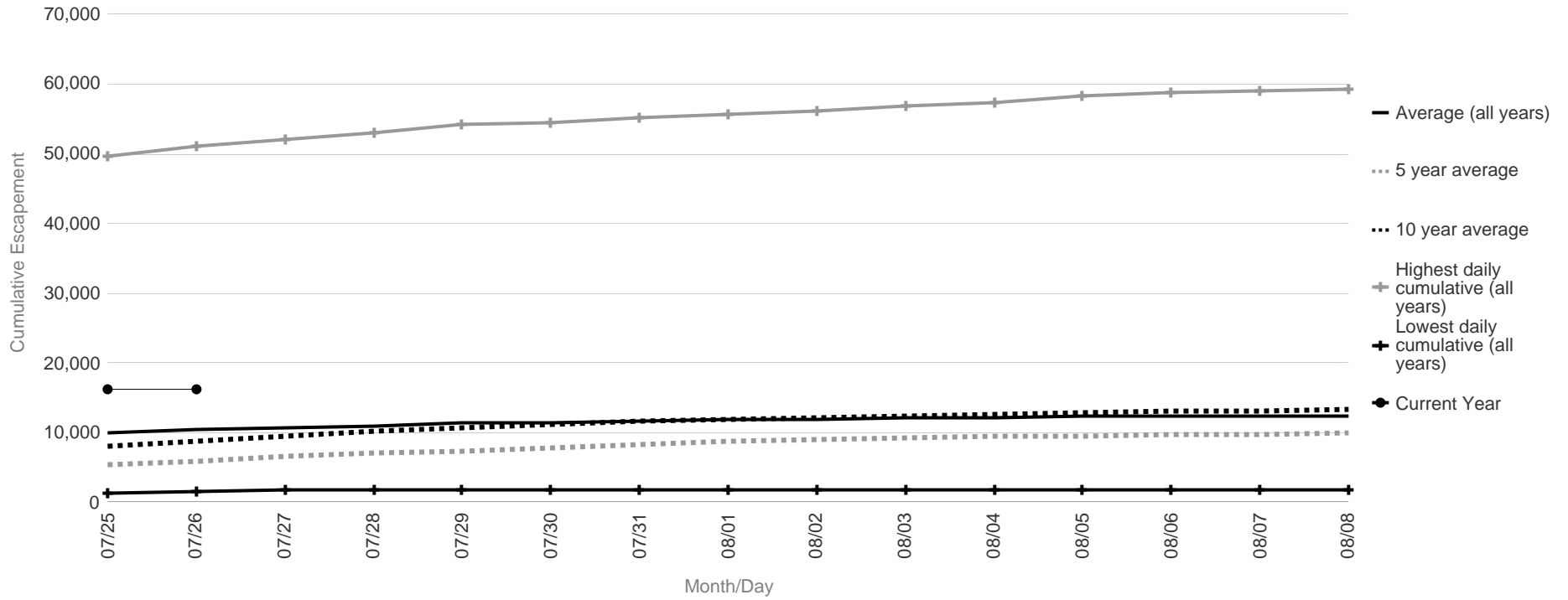
## Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

Escapement Goal Range: 4,400 to 17,000

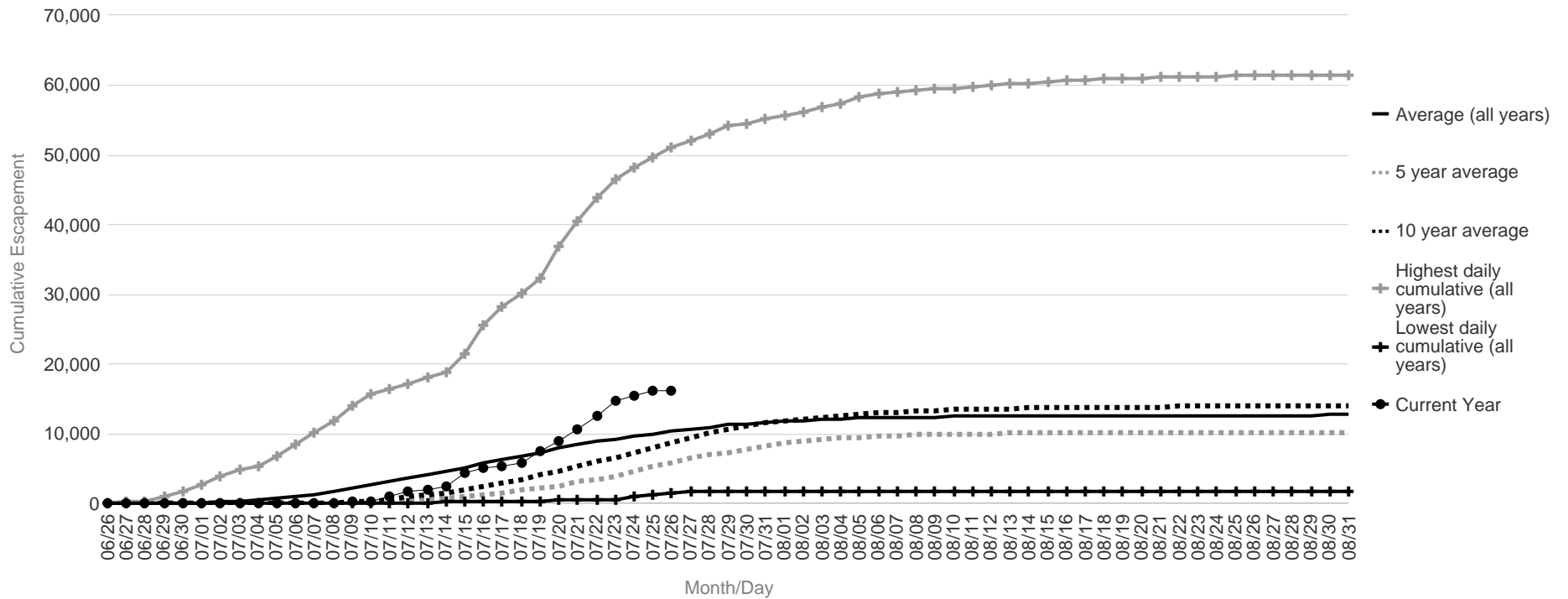
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	1,365	10,005	5,233	7,975	49,672	16,213
07/26	1,582	10,356	5,844	8,755	51,054	16,234
07/27	1,605	10,688	6,483	9,470	52,086	
07/28	1,620	10,978	7,040	10,099	52,945	
07/29	1,631	11,237	7,354	10,655	54,109	
07/30	1,639	11,441	7,774	11,101	54,579	
07/31	1,651	11,611	8,174	11,483	55,213	
08/01	1,661	11,771	8,638	11,884	55,650	
08/02	1,670	11,887	8,859	12,140	56,122	
08/03	1,678	12,006	9,140	12,413	56,769	
08/04	1,685	12,107	9,319	12,628	57,465	
08/05	1,691	12,202	9,465	12,829	58,245	
08/06	1,696	12,281	9,629	13,017	58,758	
08/07	1,701	12,335	9,722	13,145	59,047	
08/08	1,705	12,382	9,810	13,257	59,280	

	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

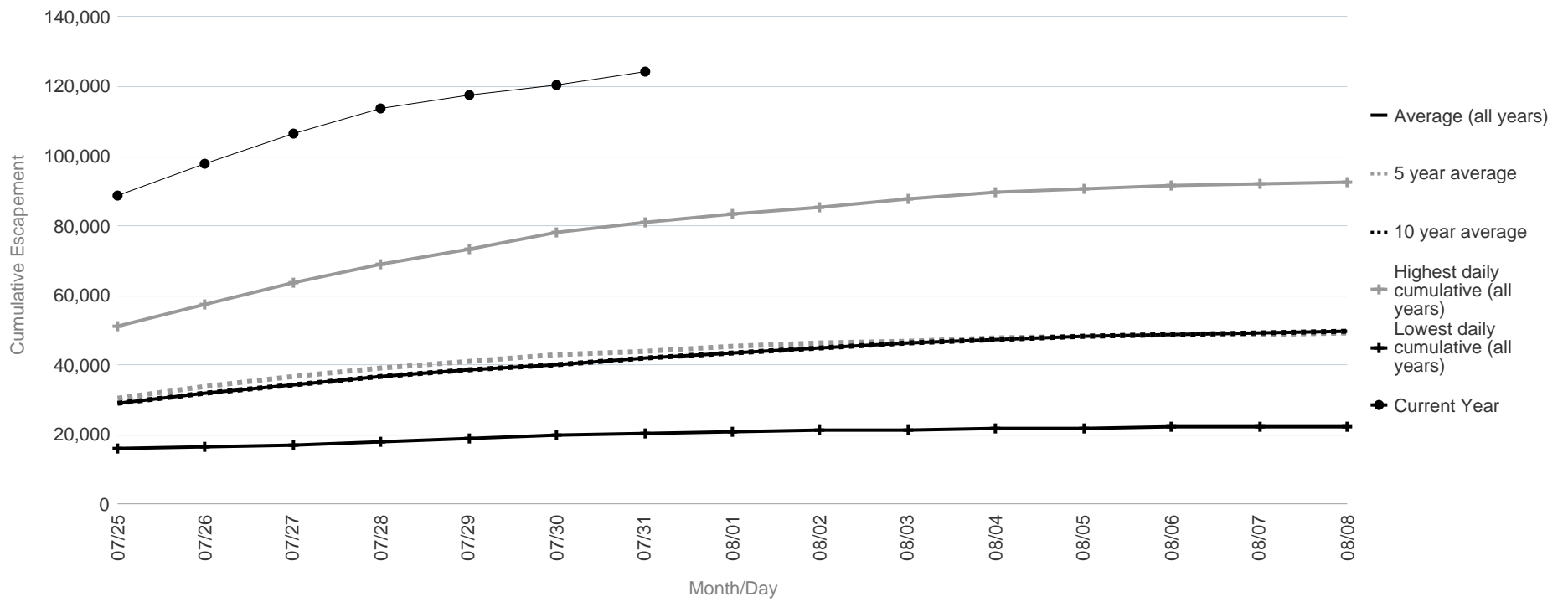


### Telaquana River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

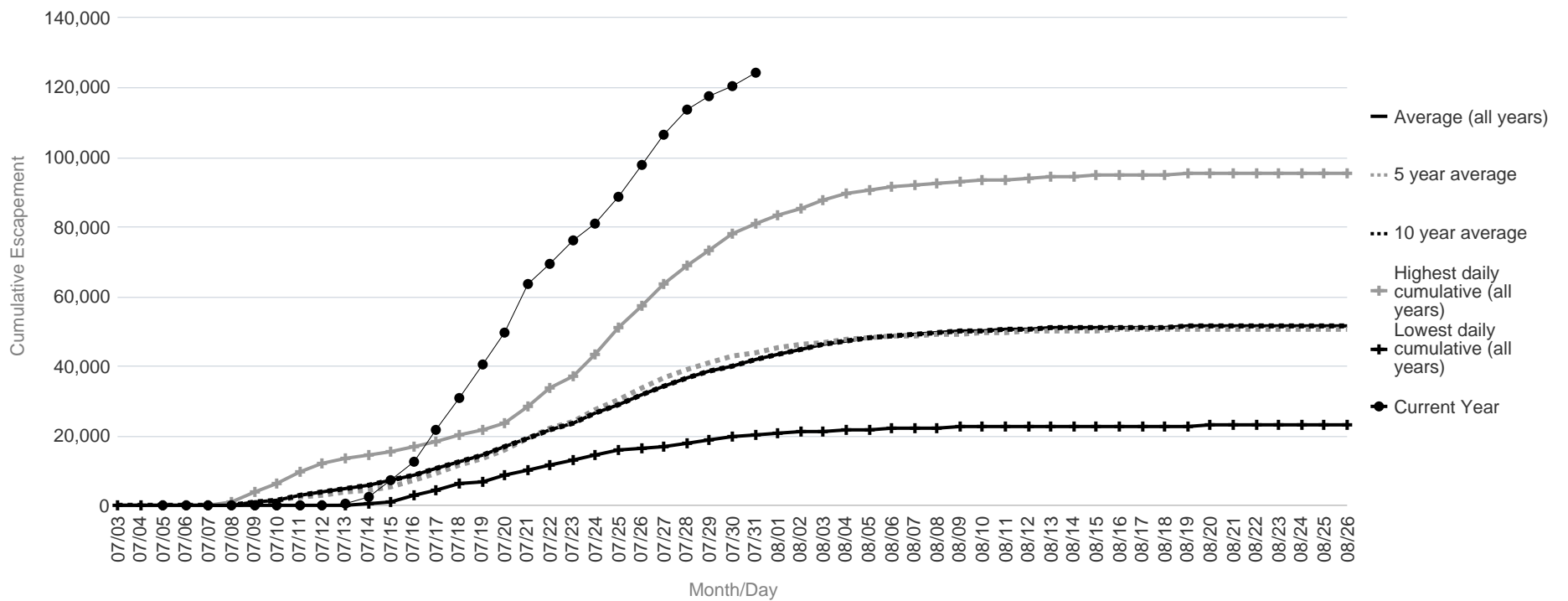
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	15,784	29,048	30,617	29,048	50,978	88,515
07/26	16,443	31,943	34,003	31,943	57,609	97,689
07/27	16,969	34,502	36,781	34,502	63,804	106,486
07/28	17,964	36,655	39,071	36,655	68,932	113,619
07/29	18,844	38,488	40,939	38,488	73,276	117,718
07/30	19,887	40,281	42,809	40,281	78,222	120,240
07/31	20,309	41,936	44,009	41,936	80,844	124,350
08/01	20,778	43,555	45,159	43,555	83,498	
08/02	21,143	45,015	46,092	45,015	85,332	
08/03	21,385	46,247	46,901	46,247	87,636	
08/04	21,648	47,267	47,577	47,267	89,442	
08/05	21,951	48,107	48,110	48,107	90,396	
08/06	22,076	48,689	48,511	48,689	91,368	
08/07	22,246	49,258	48,844	49,258	91,889	
08/08	22,432	49,681	49,109	49,681	92,326	

	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

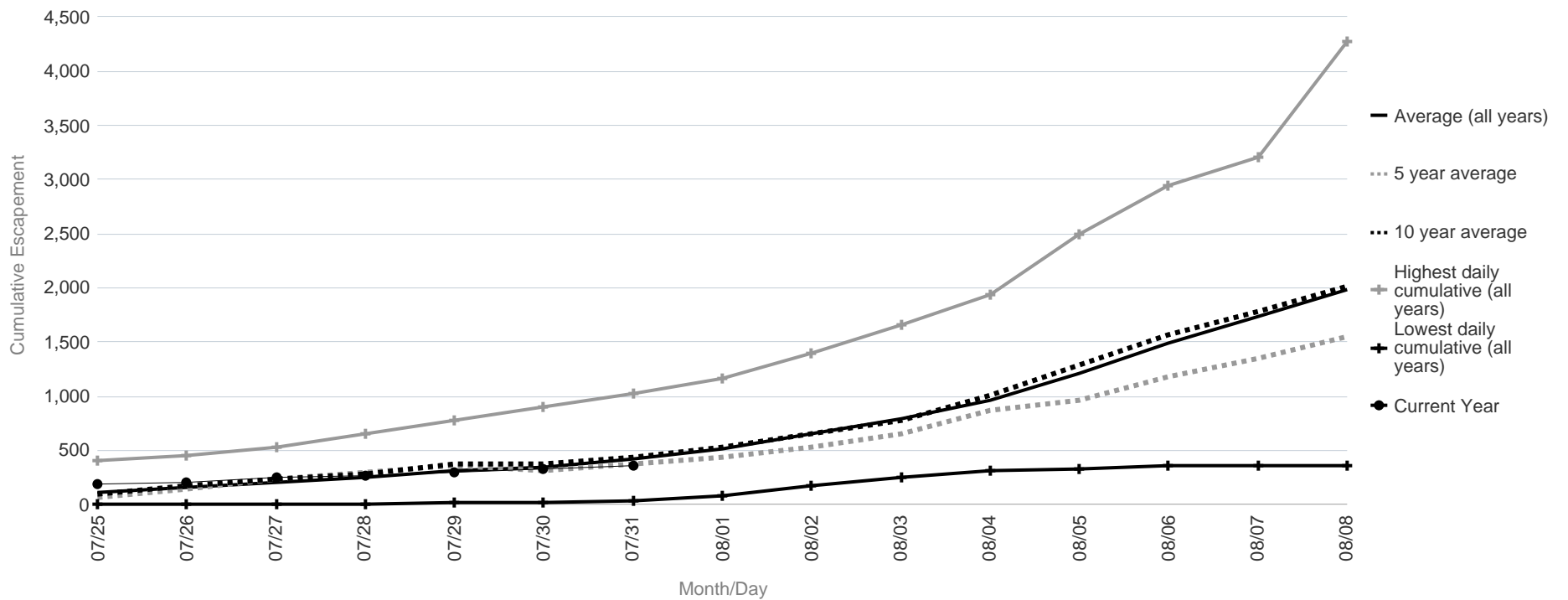


### Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

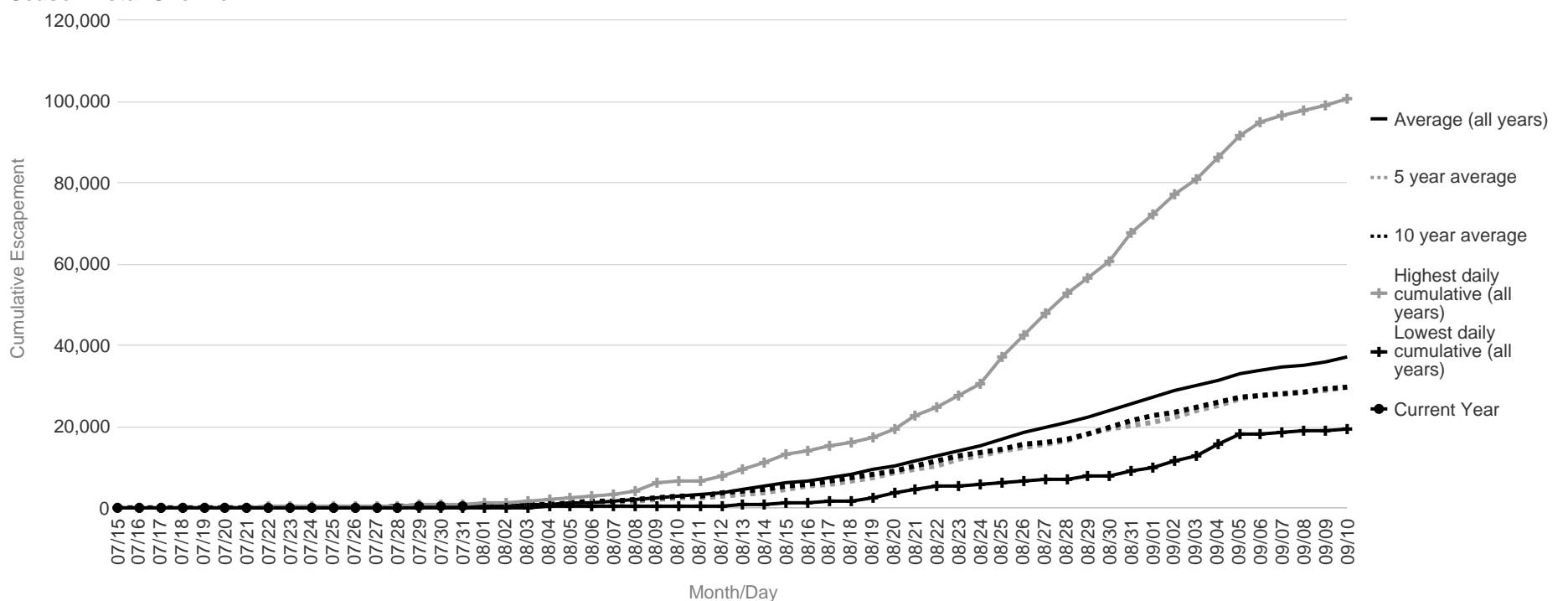
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	0	116	58	93	406	191
07/26	0	161	149	167	456	211
07/27	0	210	242	242	533	250
07/28	0	251	303	287	656	273
07/29	15	310	360	368	779	304
07/30	11	340	317	373	899	335
07/31	31	426	368	441	1,024	362
08/01	74	512	429	525	1,163	
08/02	170	646	534	655	1,390	
08/03	251	789	657	779	1,658	
08/04	308	966	866	1,006	1,942	
08/05	329	1,203	966	1,293	2,495	
08/06	351	1,496	1,184	1,570	2,948	
08/07	362	1,730	1,351	1,782	3,201	
08/08	364	1,989	1,546	2,011	4,268	

	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

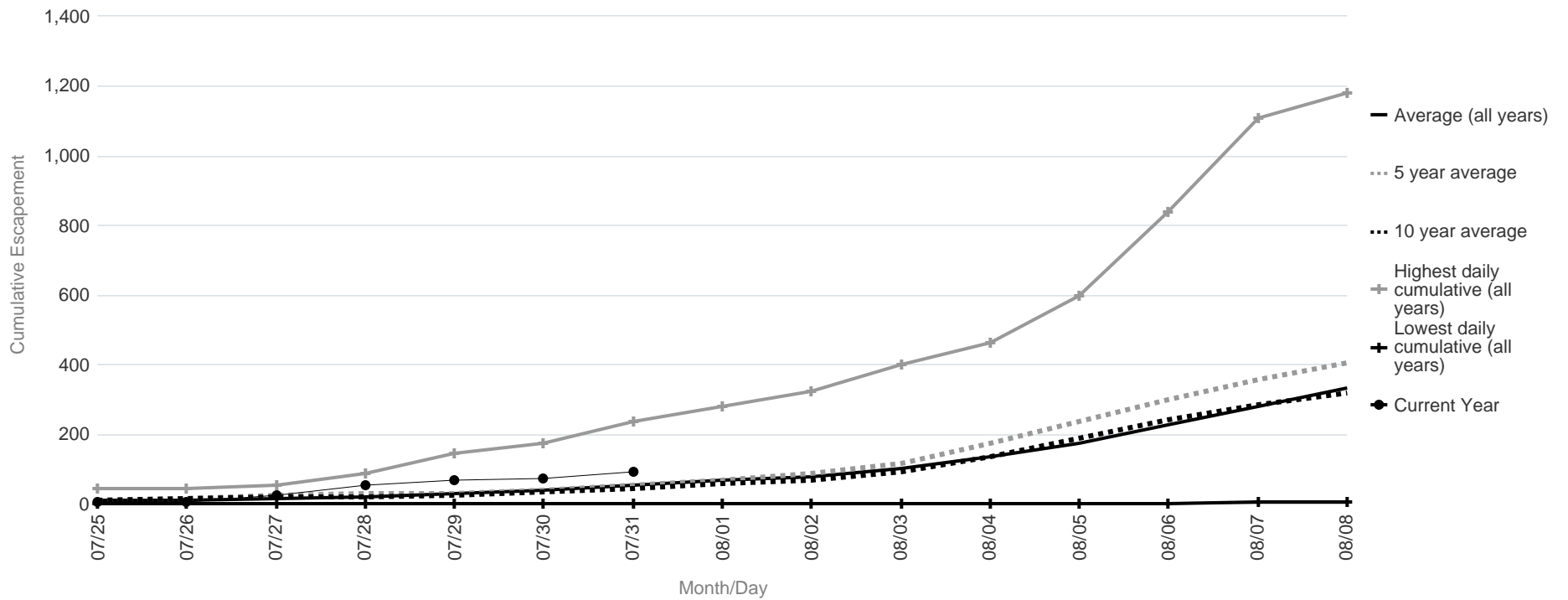


### Tuluksak River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

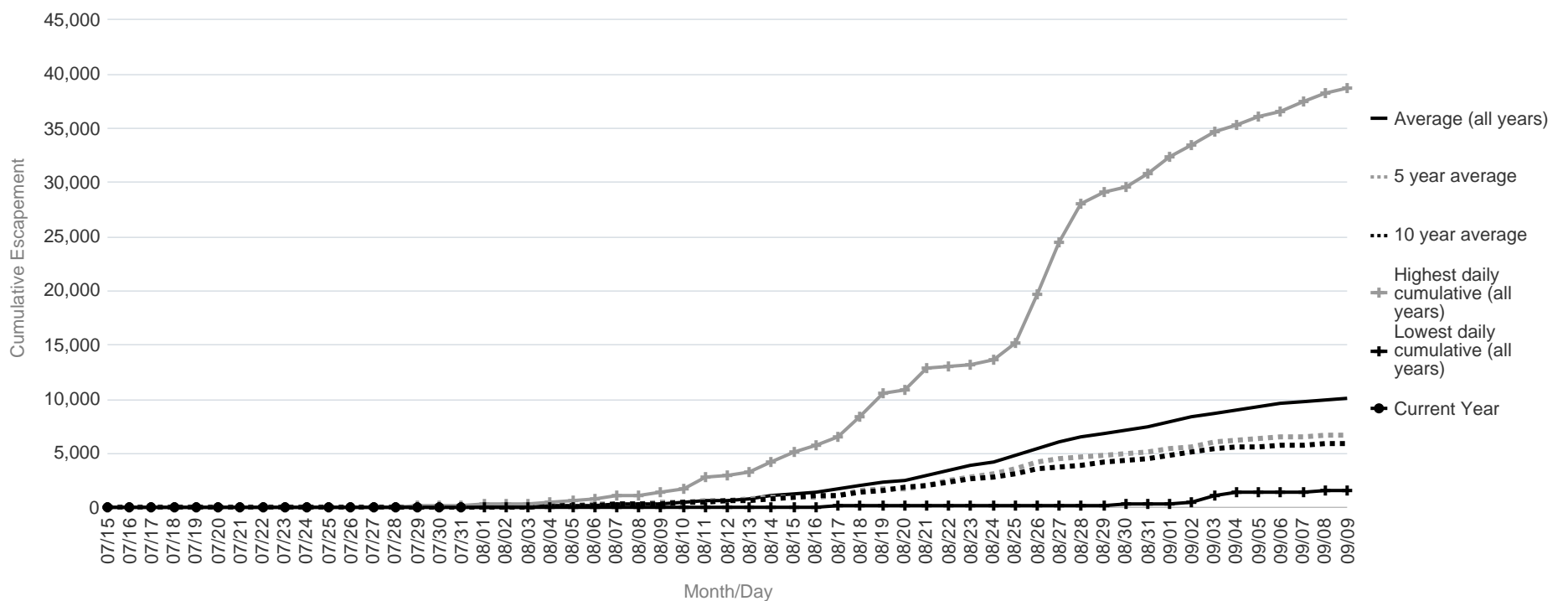
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	0	9	10	9	43	6
07/26	0	12	15	13	44	8
07/27	0	16	23	18	56	24
07/28	0	22	28	22	87	53
07/29	0	30	31	25	143	66
07/30	0	39	40	32	176	74
07/31	0	52	53	42	237	90
08/01	0	67	70	57	281	
08/02	0	80	86	70	324	
08/03	0	100	117	94	399	
08/04	1	133	173	137	463	
08/05	3	173	235	190	600	
08/06	3	228	300	243	837	
08/07	7	278	359	285	1,107	
08/08	7	331	405	321	1,181	

	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

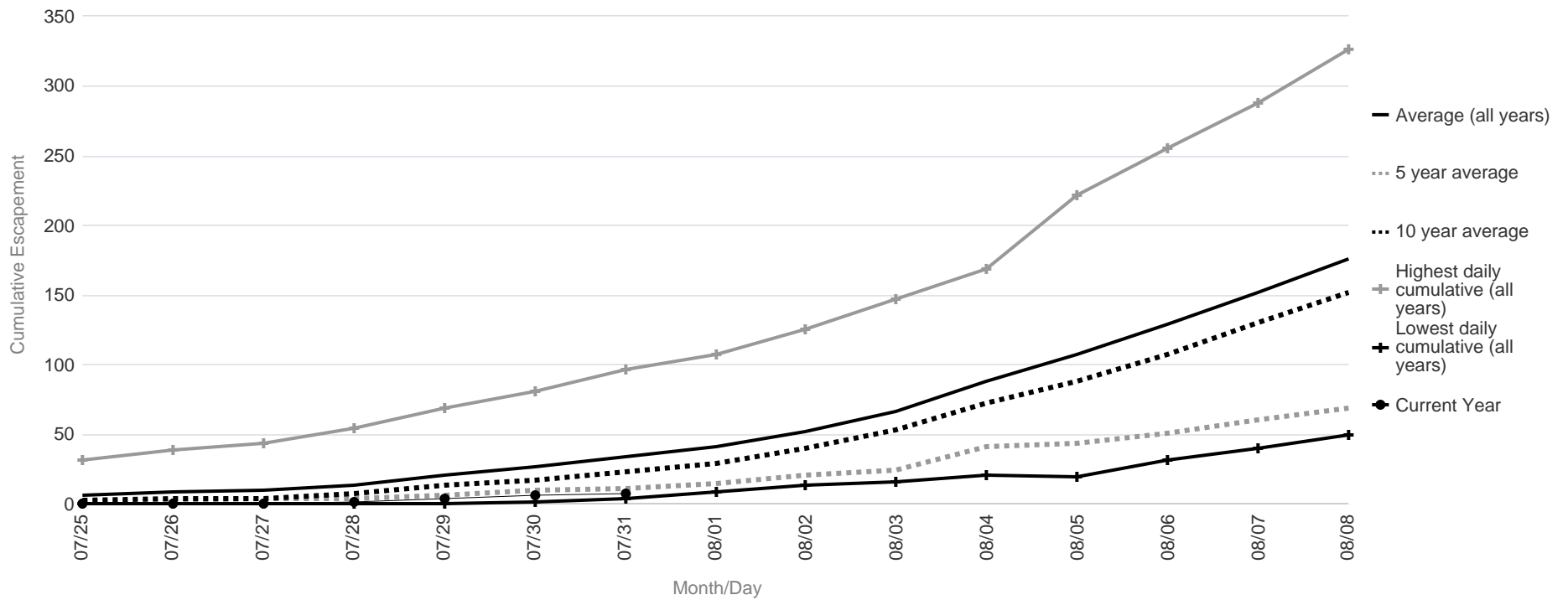


### Salmon River (Aniak) Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

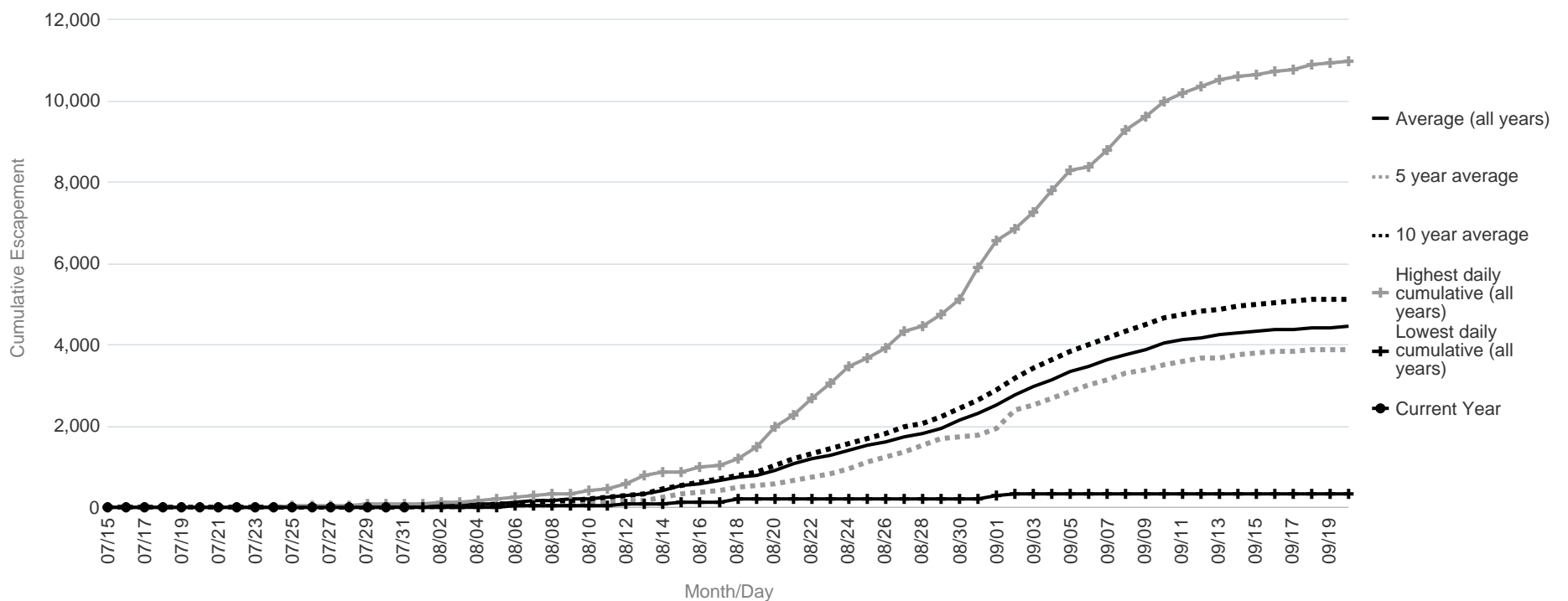
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	0	7	1	3	32	0
07/26	0	9	2	4	39	0
07/27	0	10	3	4	43	0
07/28	0	14	4	7	54	1
07/29	0	21	6	13	69	4
07/30	2	26	9	17	81	6
07/31	4	34	11	24	97	8
08/01	9	41	14	30	107	
08/02	13	52	21	39	126	
08/03	16	67	24	53	147	
08/04	21	88	41	72	169	
08/05	20	108	44	89	222	
08/06	31	129	50	108	256	
08/07	40	152	60	130	288	
08/08	50	176	68	151	327	

	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

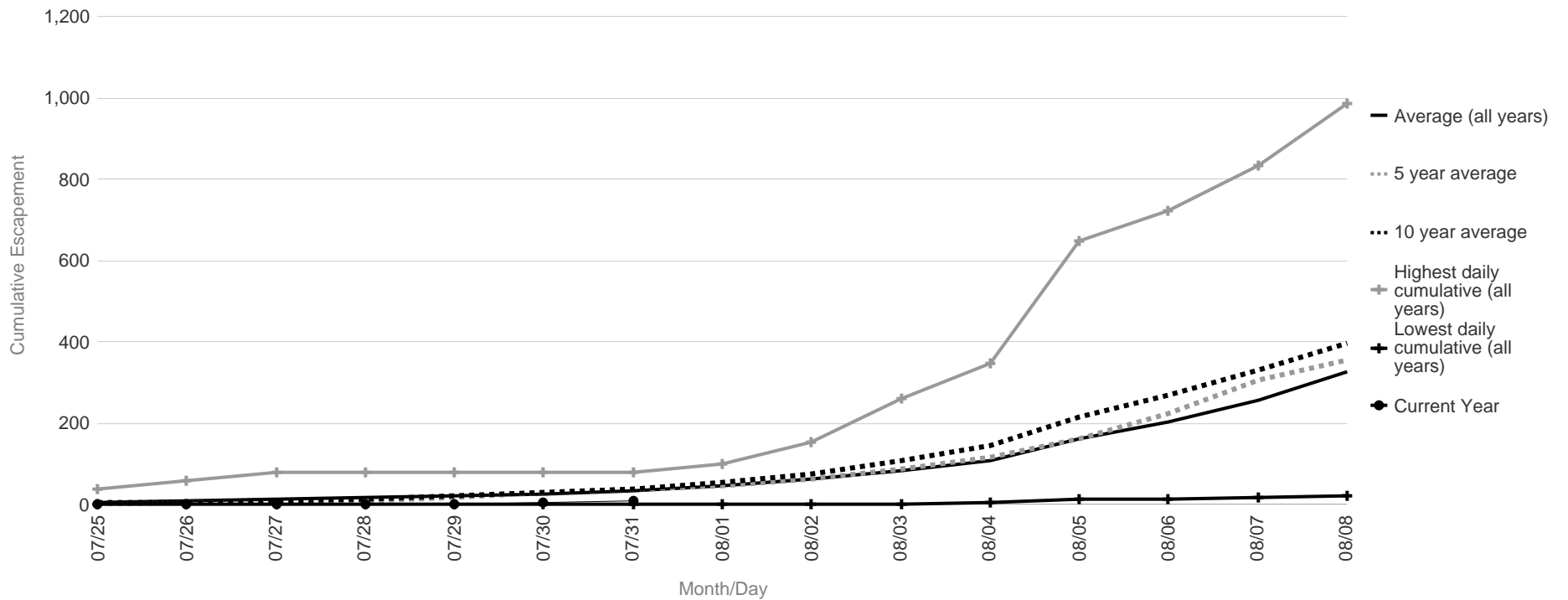


### George River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

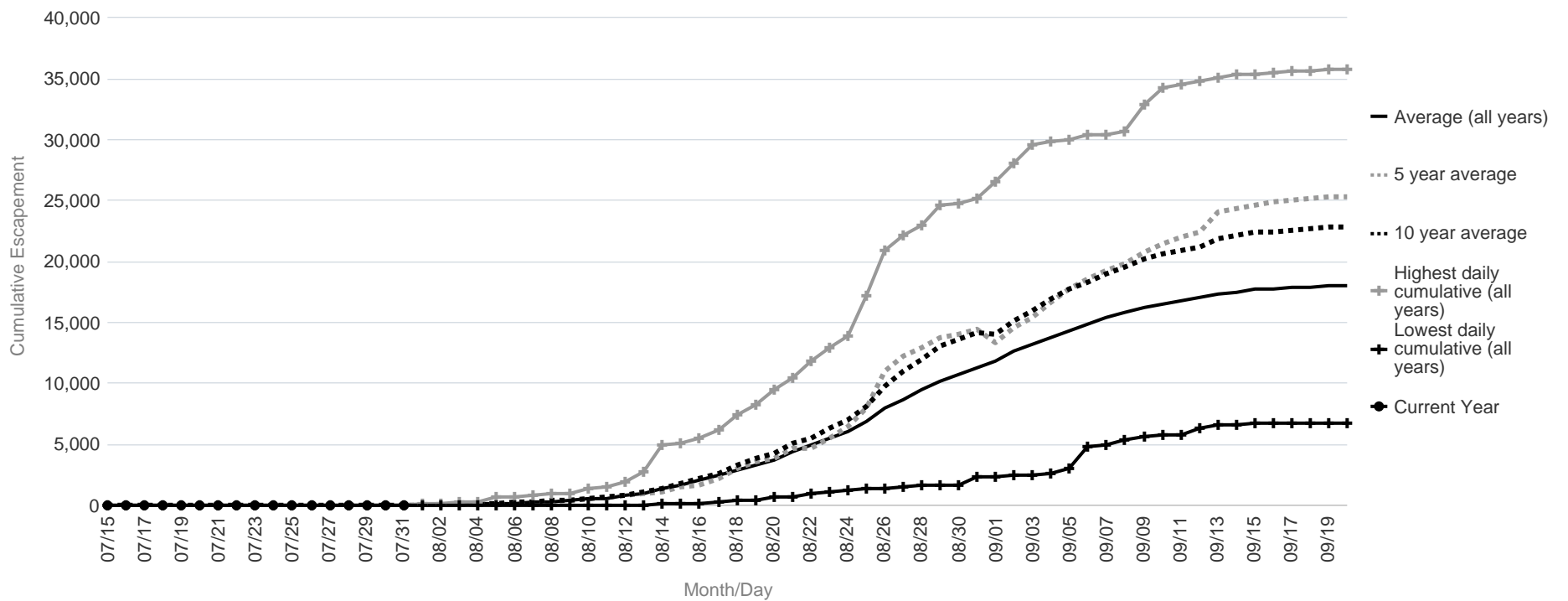
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	0	5	2	3	39	0
07/26	0	9	3	6	58	0
07/27	0	12	6	9	80	0
07/28	0	16	11	14	80	0
07/29	0	20	17	20	80	1
07/30	1	26	28	29	80	6
07/31	1	34	36	40	80	10
08/01	1	45	47	55	99	
08/02	2	61	61	77	152	
08/03	2	82	86	109	261	
08/04	3	110	115	147	347	
08/05	15	160	160	217	647	
08/06	15	203	222	271	723	
08/07	18	256	306	332	833	
08/08	22	325	355	397	987	

	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





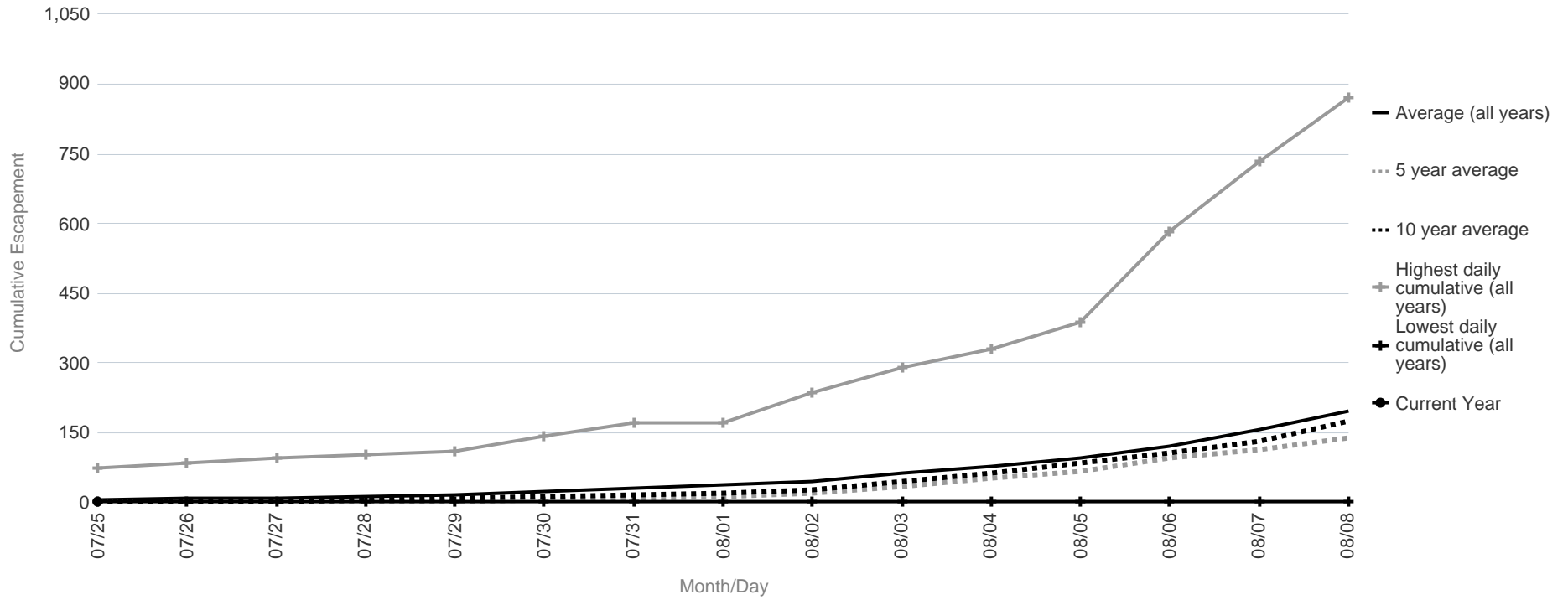
### Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

Escapement Goal Range: 13,000 to 28,000

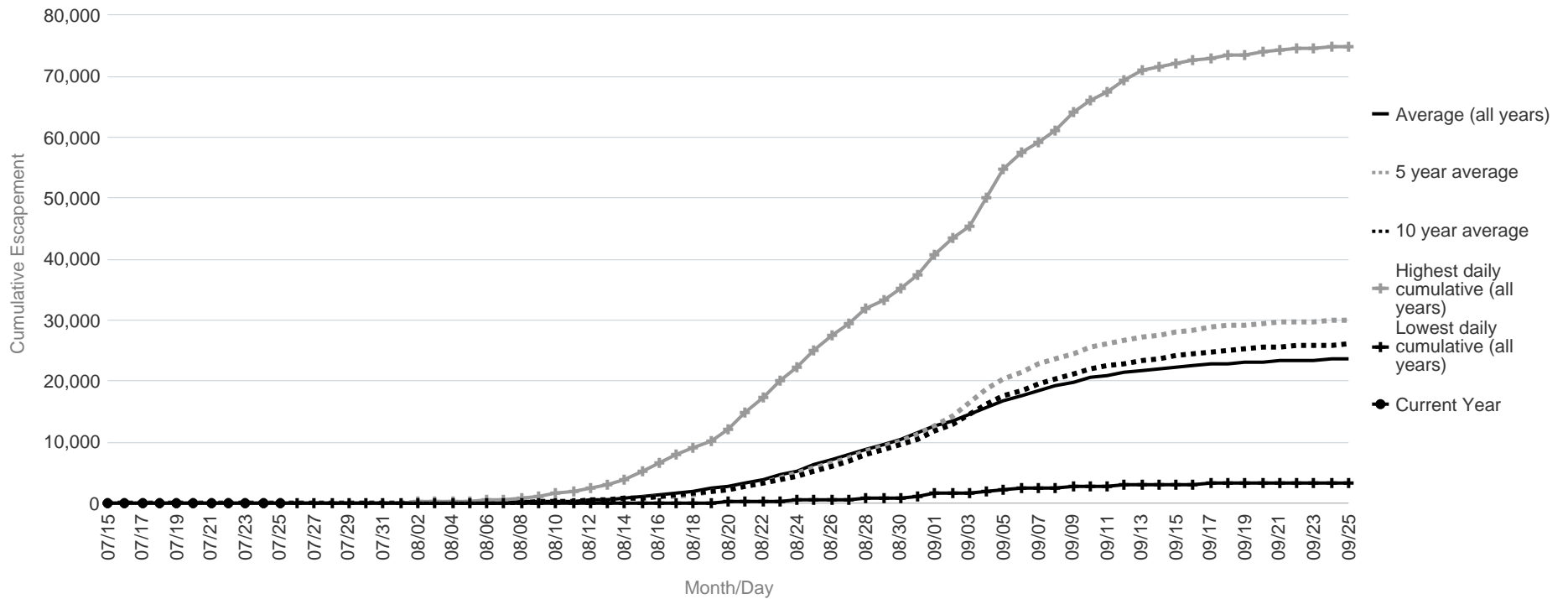
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	0	6	0	0	73	0
07/26	0	7	0	1	83	
07/27	0	9	1	2	93	
07/28	0	12	2	4	100	
07/29	0	16	2	6	109	
07/30	0	23	5	11	143	
07/31	0	28	7	14	169	
08/01	0	35	11	19	171	
08/02	0	45	18	26	237	
08/03	0	61	32	43	289	
08/04	0	75	53	61	330	
08/05	0	95	65	85	386	
08/06	0	119	94	104	581	
08/07	0	156	112	131	732	
08/08	0	197	139	173	872	

	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

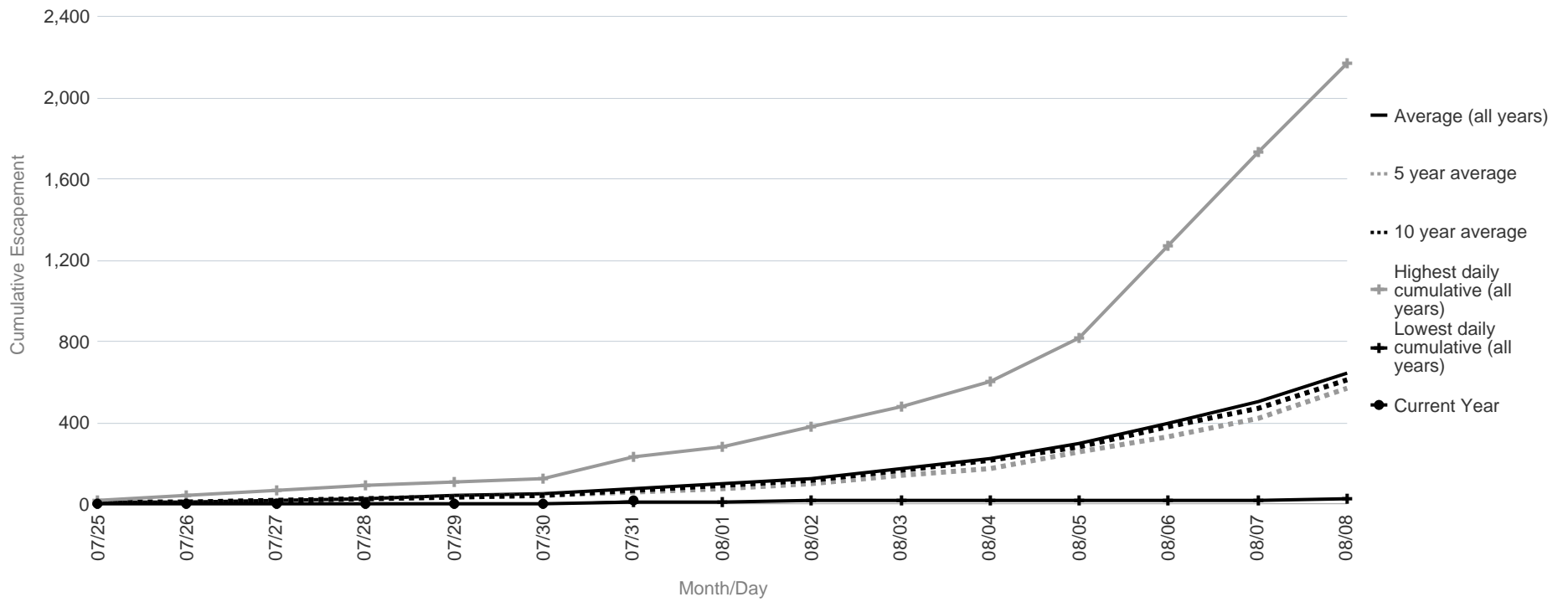


### Tatlawiksuk River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

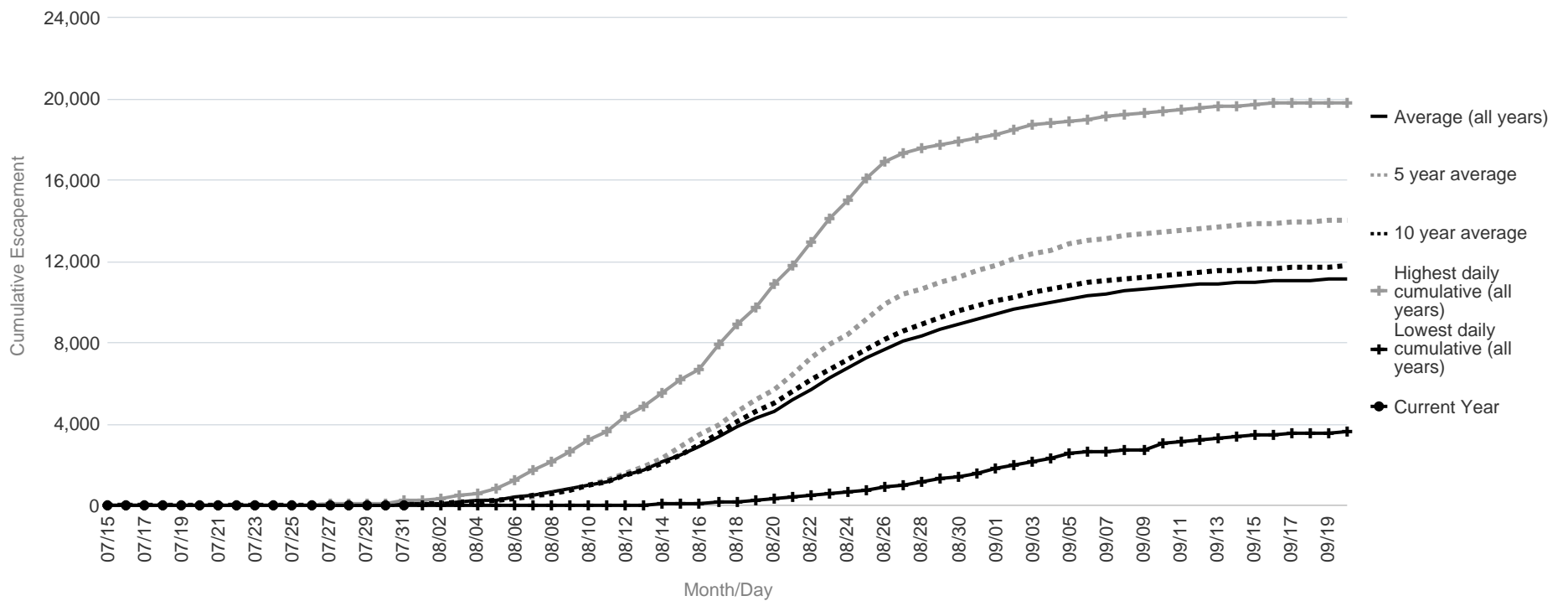
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	0	8	10	7	20	0
07/26	0	13	13	11	39	0
07/27	0	21	21	17	70	0
07/28	1	30	26	25	92	1
07/29	2	40	37	33	110	1
07/30	4	52	44	44	127	5
07/31	7	78	59	66	231	19
08/01	10	103	79	94	286	
08/02	15	129	103	116	379	
08/03	15	175	142	163	477	
08/04	15	223	179	213	605	
08/05	17	295	259	285	819	
08/06	17	400	331	380	1,271	
08/07	22	507	422	473	1,739	
08/08	23	646	570	614	2,176	

	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

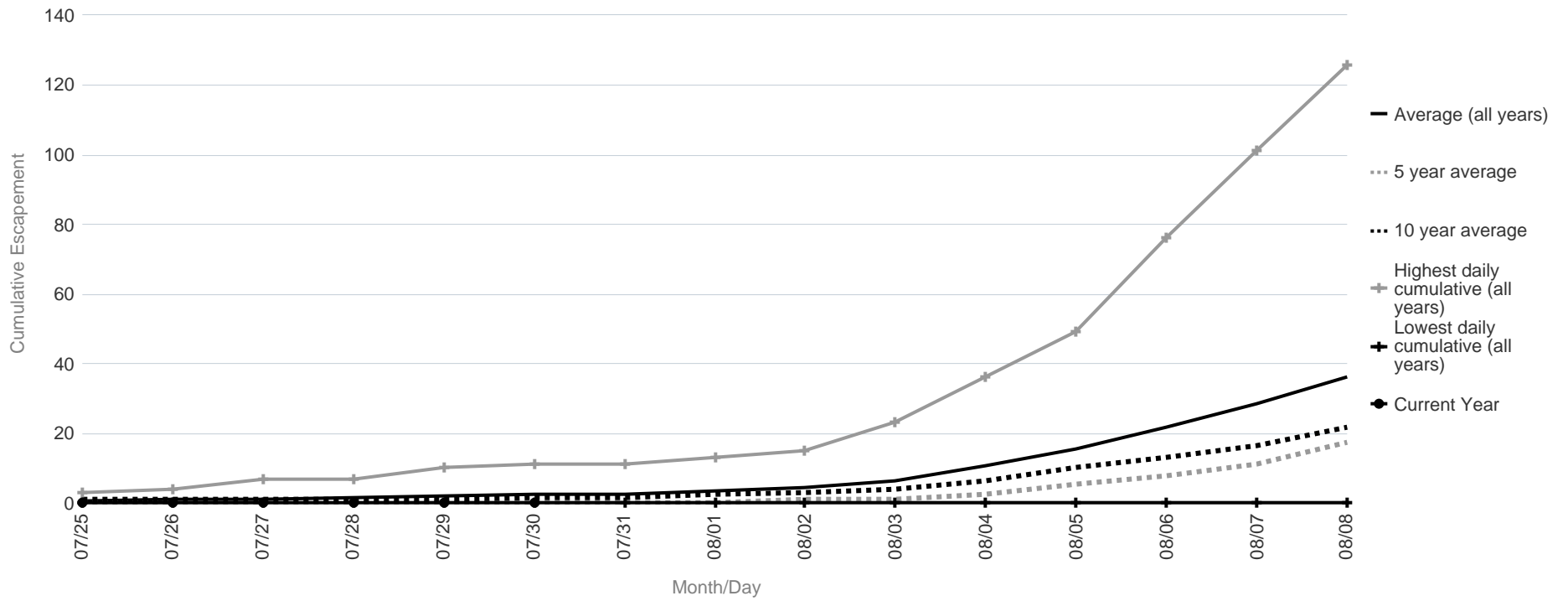


### Takotna River Salmon Monitoring Project Cumulative Daily Passage of Coho Salmon

Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	10 year average	Highest daily cumulative (all years)	Current Year
07/25	0	1	0	1	3	0
07/26	0	1	0	1	4	0
07/27	0	1	0	1	7	0
07/28	0	2	0	1	7	0
07/29	0	2	0	1	10	0
07/30	0	2	0	1	11	0
07/31	0	3	0	2	11	
08/01	0	3	0	2	13	
08/02	0	4	1	3	15	
08/03	0	6	1	4	23	
08/04	0	11	3	7	36	
08/05	0	15	6	10	49	
08/06	0	22	8	13	76	
08/07	0	29	11	16	101	
08/08	0	36	18	22	126	

	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

