

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: 07/13/2022

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

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



**Orutsararmiut Native Council (ONC) Inseason Harvest Monitoring Weekly Report
July 13, 2022**

During the July 9th opener, ONC Fisheries crew visited 7 Bethel area fish camps. Of those 7 fish camps visited, 3 were actively fishing and surveyed. ONC Fisheries crew also gathered information from 66 fishing trips at the Bethel boat harbor.

Comments from the July 9th opener are as follows:

The July 9th opener had reports of different salmon and fish species caught. Two people reported catching a Dolly Varden, two camps reported pink salmon caught, lastly there were a few reports of catching some silver salmon. One fisher hoped the chum salmon would go by during the closer of July. Four people were glad for the opener, a lot of people catching, and that it was on Saturday. There are a few people saying that we are doing a good job in managing the river but there are still folks explaining that they want the river open sooner. One was thankful for the dip net rental from ONC. Lastly, there was some great concern around federal management to stop telling fishermen what to do with subsistence fishing and to ‘leave us alone’.

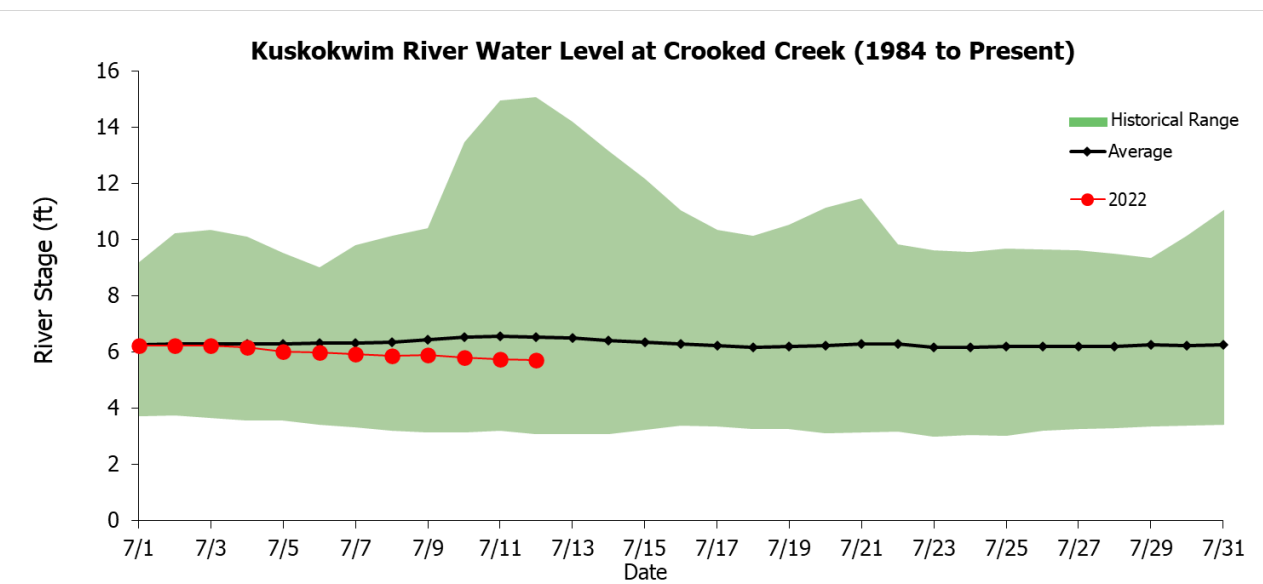
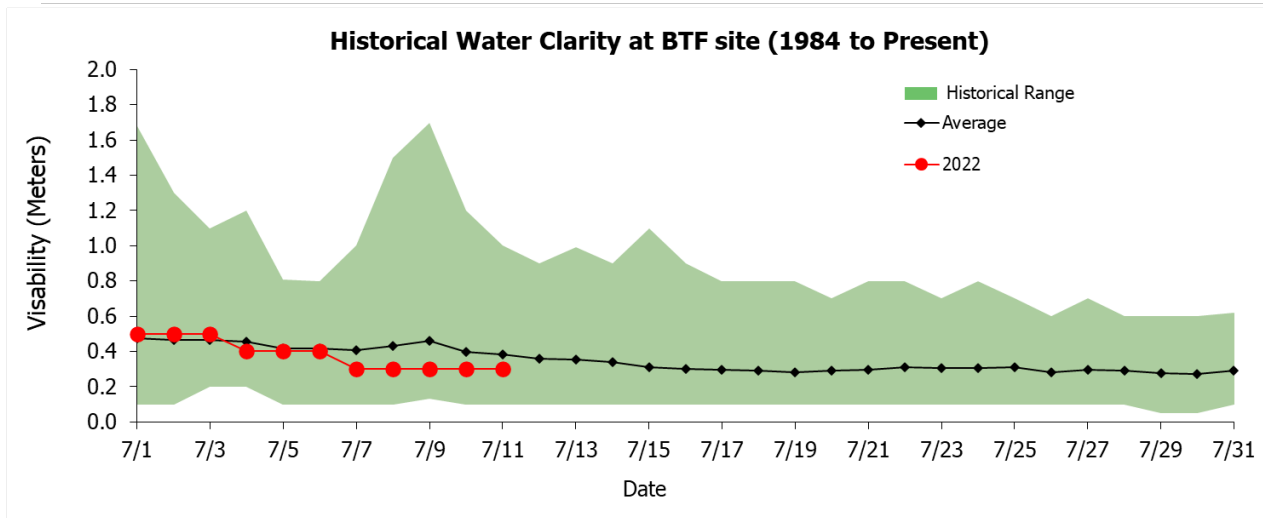
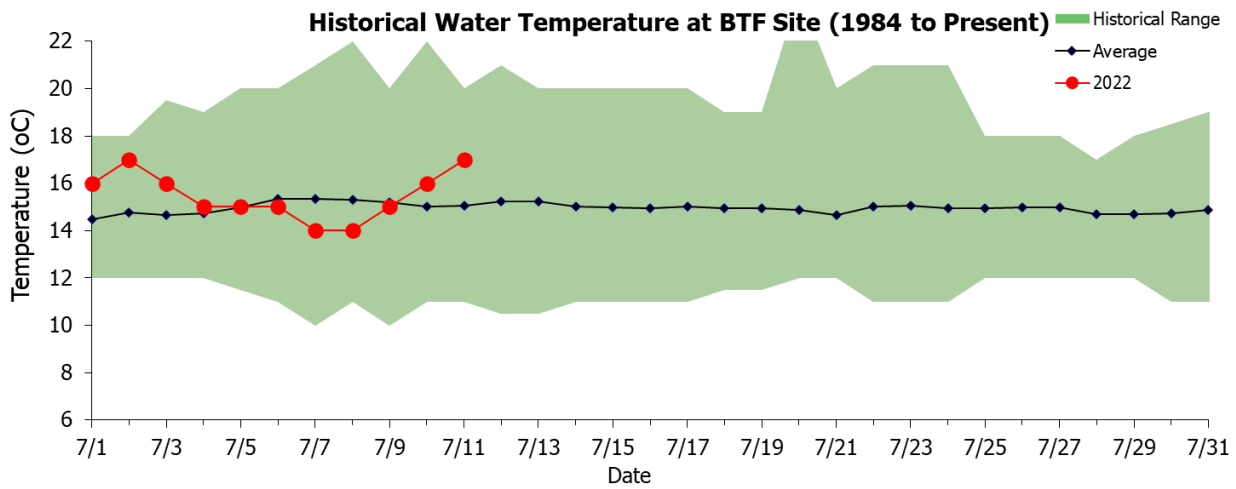
Table 1. Average fish harvest, net length, and mesh size range surveyed at the Bethel area fish camps and Bethel boat harbor from the July 9, 2022 fishing opportunity.

Data Source	Number of Surveys Conducted*	Average Chinook Salmon Harvest	Average Chum Salmon Harvest	Average Sockeye Salmon Harvest	Average other harvest	Net Length Range (ft.)	Mesh Size Range (in.)
Bethel Boat Harbor	66	1.2	6.5	18.6	<1	50-300	4-6
Bethel Fish Camps	3	10.3	4.3	22	0	150	5-6

*1 of the surveys collected at Bethel Boat Harbor were not used to produce harvest estimates because the fishing was done outside of the area used in the harvest estimates program (stratum O).

Fish Distribution

From July 5th through July 11th, ONC fisheries crew delivered 31 Chinook salmon to Bethel area Elders, widowed, and disabled. These fish were caught by the Alaska Department of Fish & Game Bethel Test Fishery.



Kuskokwim River Salmon Assessment Update

7/11/2022



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) or Sean Larson (ADF&G; 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>

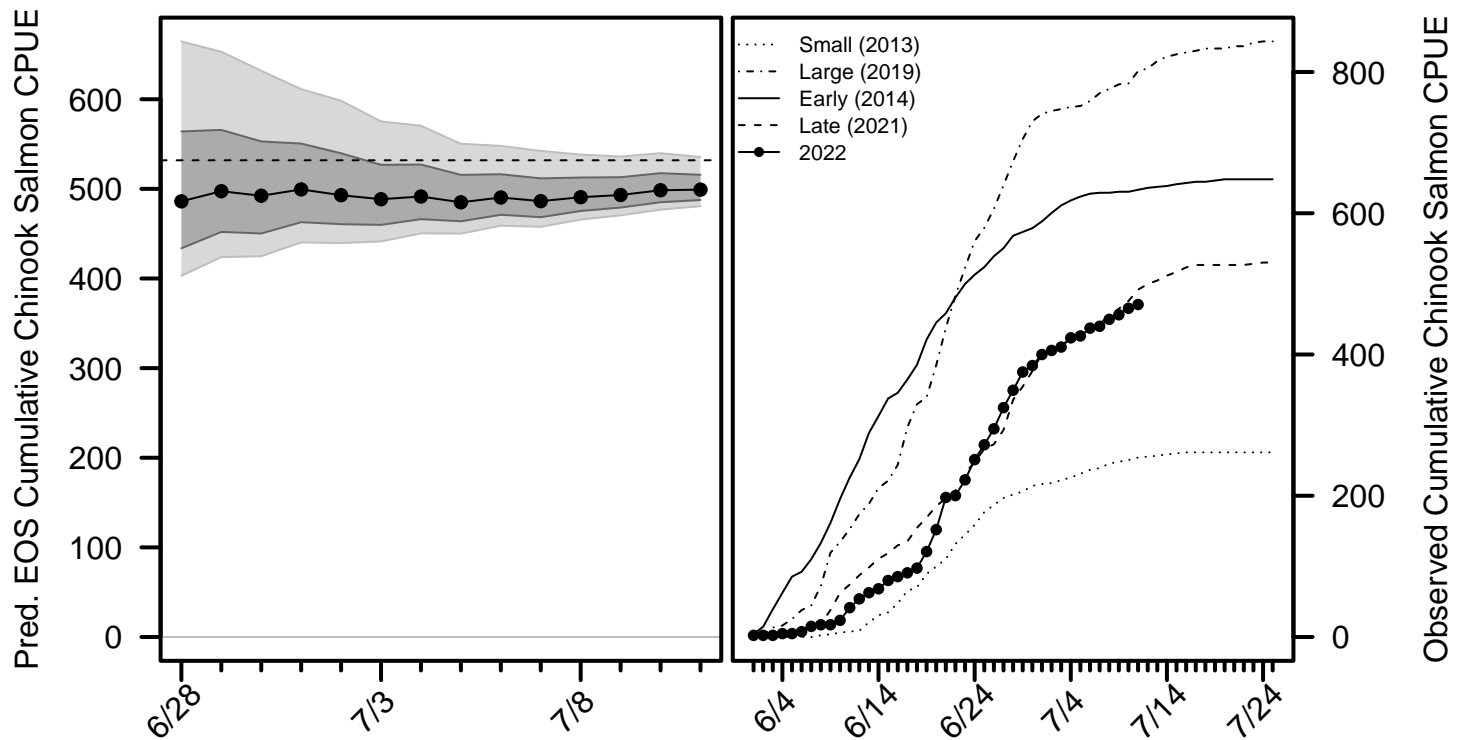
For the most up-to-date information regarding fishing opportunities please visit:

- USFWS: https://www.fws.gov/refuge/yukon_delta/wildlife_and_habitat/dailyupdate.html
- ADF&G: <http://www.adfg.alaska.gov/index.cfm?adfg=cfnews.main>

Chinook Salmon BTF Summary (7/11)

- The BTF daily CPUE was **5**.
- The BTF cumulative CPUE is now **471**.
- **36%** years since 2008 fell below this cumulative CPUE on this date.
- **94%** of the run is complete based on historical average run timing.
- **91% - 96%** of the run is complete based on the central 50% of all historical run timing scenarios.
- **2% - 3%** of the run is expected to pass Bethel in the next 5 days.
- Over the last 3 days, Chinook salmon made up **8%** of the BTF catches, compared to **3%** on average.

Chinook 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.



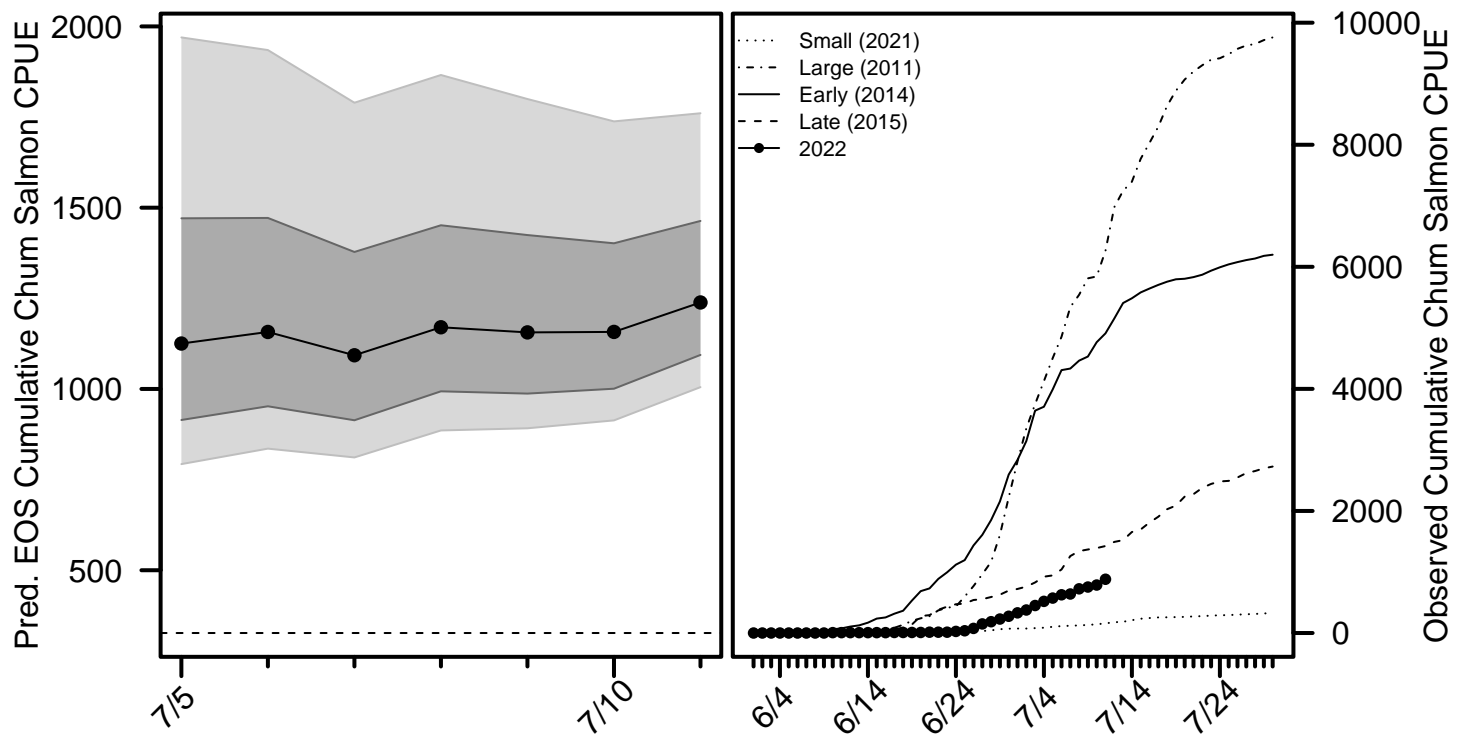
For more detailed information, see the [Chinook salmon appendix](#) at the end of this document.

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Chum Salmon BTF Summary (7/11)

- The BTF daily CPUE was **95**.
- The BTF cumulative CPUE is now **881**.
- **14%** years since 2008 fell below this cumulative CPUE on this date.
- **71%** of the run is complete based on historical average run timing.
- **60% - 81%** of the run is complete based on the central 50% of all historical run timing scenarios.
- **9% - 15%** of the run is expected to pass Bethel in the next 5 days.
- Over the last 3 days, chum salmon made up **60%** of the BTF catches, compared to **75%** 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.



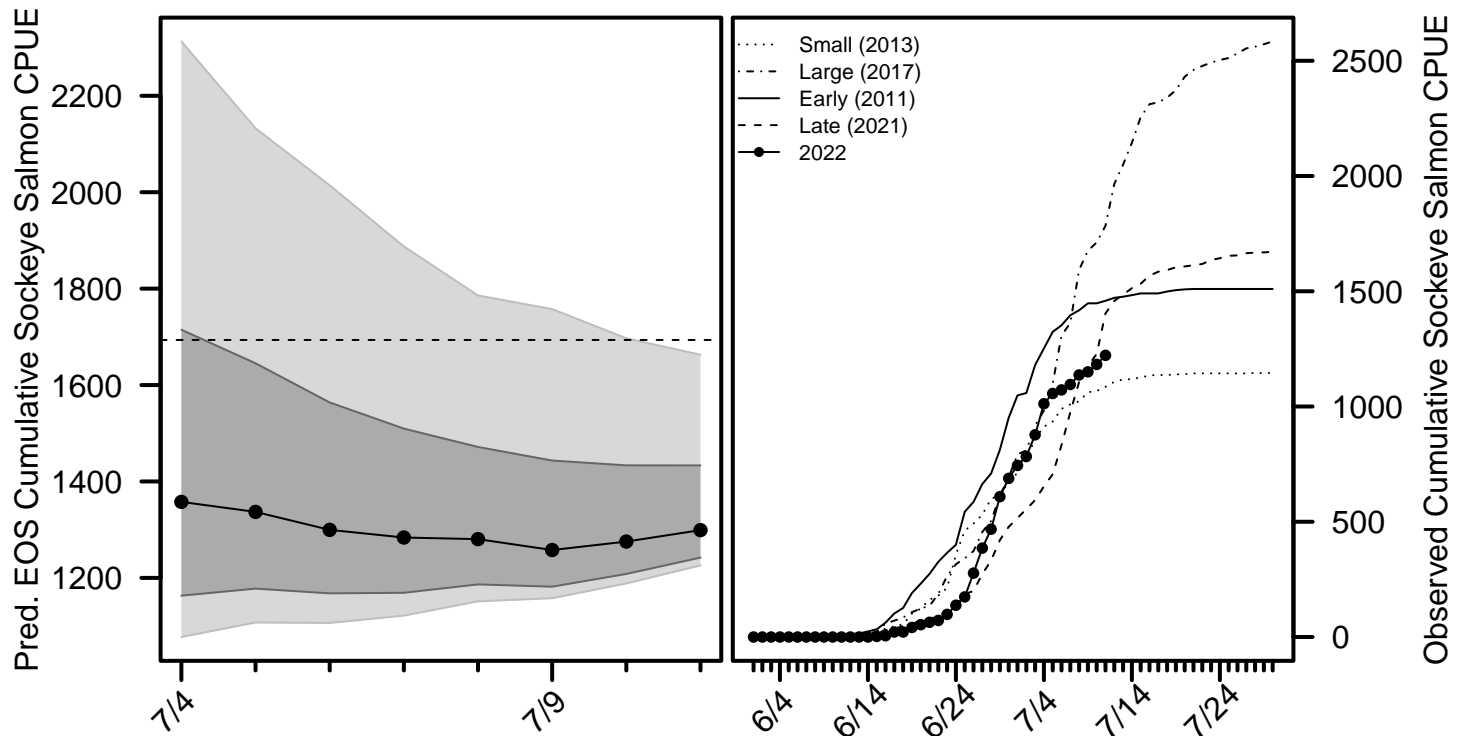
For more detailed information, see the [chum salmon appendix](#) at the end of this document.

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Sockeye Salmon BTF Summary (7/11)

- The BTF daily CPUE was **39**.
- The BTF cumulative CPUE is now **1,222**.
- **29%** years since 2008 fell below this cumulative CPUE on this date.
- **94%** of the run is complete based on historical average run timing.
- **85% - 98%** of the run is complete based on the central 50% of all historical run timing scenarios.
- **1% - 8%** of the run is expected to pass Bethel in the next 5 days.
- Over the last 3 days, sockeye salmon made up **32%** of the BTF catches, compared to **21%** 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.



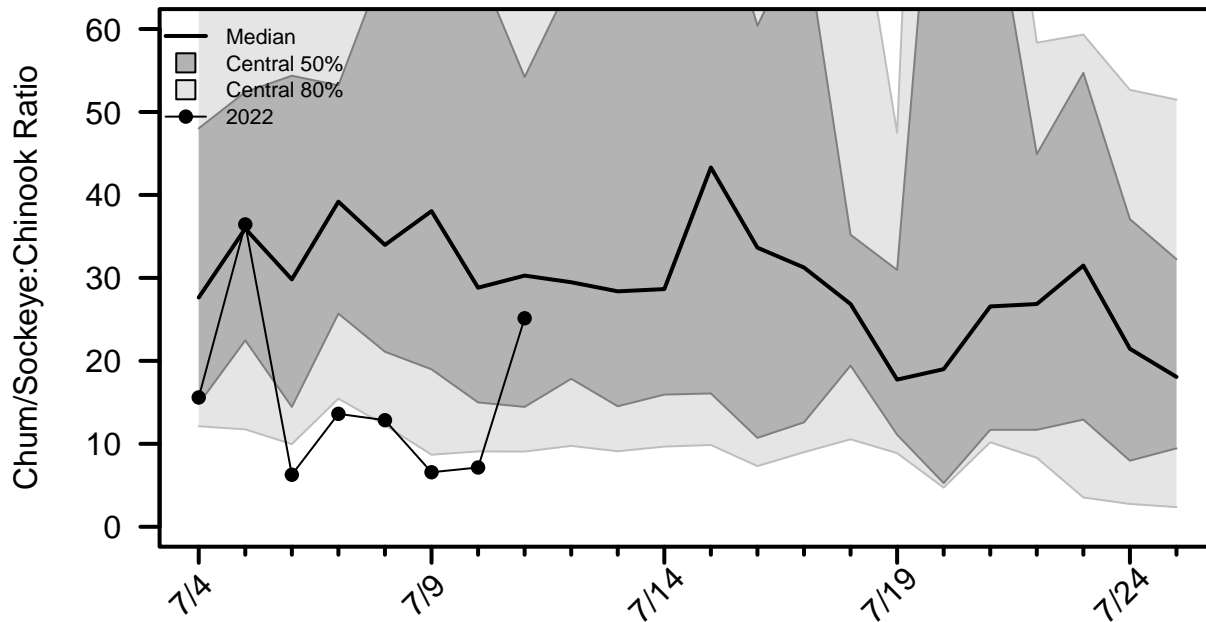
For more detailed information, see the [sockeye salmon appendix](#) at the end of this document.

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Chum/Sockeye:Chinook Salmon Ratio

This ratio is calculated by dividing the total number of chum and sockeye salmon counted by the number of Chinook salmon counted by a project each day. A value of zero indicates Chinook salmon were counted that day, but not chum or sockeye salmon. A missing value on a day the project operated indicates no Chinook salmon were counted that day.

Species Ratio Figure 1. Time series of the species ratio with historical quantiles shown as grey regions and the ratio time series for 2022 shown with points connected by lines.



Ratio Table 1. A subset of the species ratios, including the ratios from the ATF.

Date	2022 BTF	BTF Median	BTF Lower 10%	BTF Upper 10%	2022 ATF
7/8	12.85	33.97	12.25	98.99	1.05
7/9	6.57	38.05	8.69	197.3	23.22
7/10	7.15	28.82	9.09	100.6	-
7/11	25.14	30.28	9.07	113.9	4.22
7/12		29.48	9.75	134.3	
7/13		28.38	9.1	152.2	
7/14		28.65	9.67	188.6	

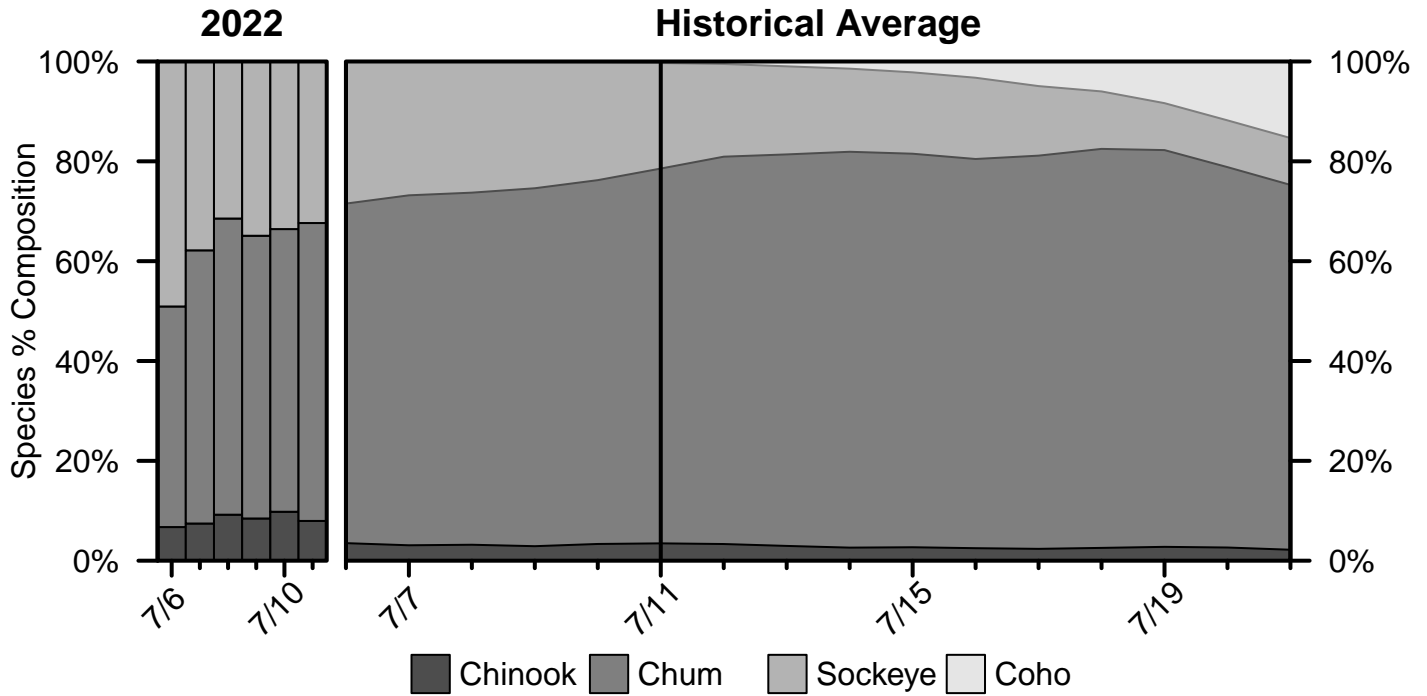
Ratio Table 2. The percent of previous years in which a given species ratio was exceeded at least once before a certain day in the BTF.

Date	Ratio > 1	Ratio > 3	Ratio > 5	Ratio > 10	Ratio > 20
7/8	100%	100%	100%	100%	100%
7/9	100%	100%	100%	100%	100%
7/10	100%	100%	100%	100%	100%
7/11	100%	100%	100%	100%	100%
7/12	100%	100%	100%	100%	100%
7/13	100%	100%	100%	100%	100%
7/14	100%	100%	100%	100%	100%

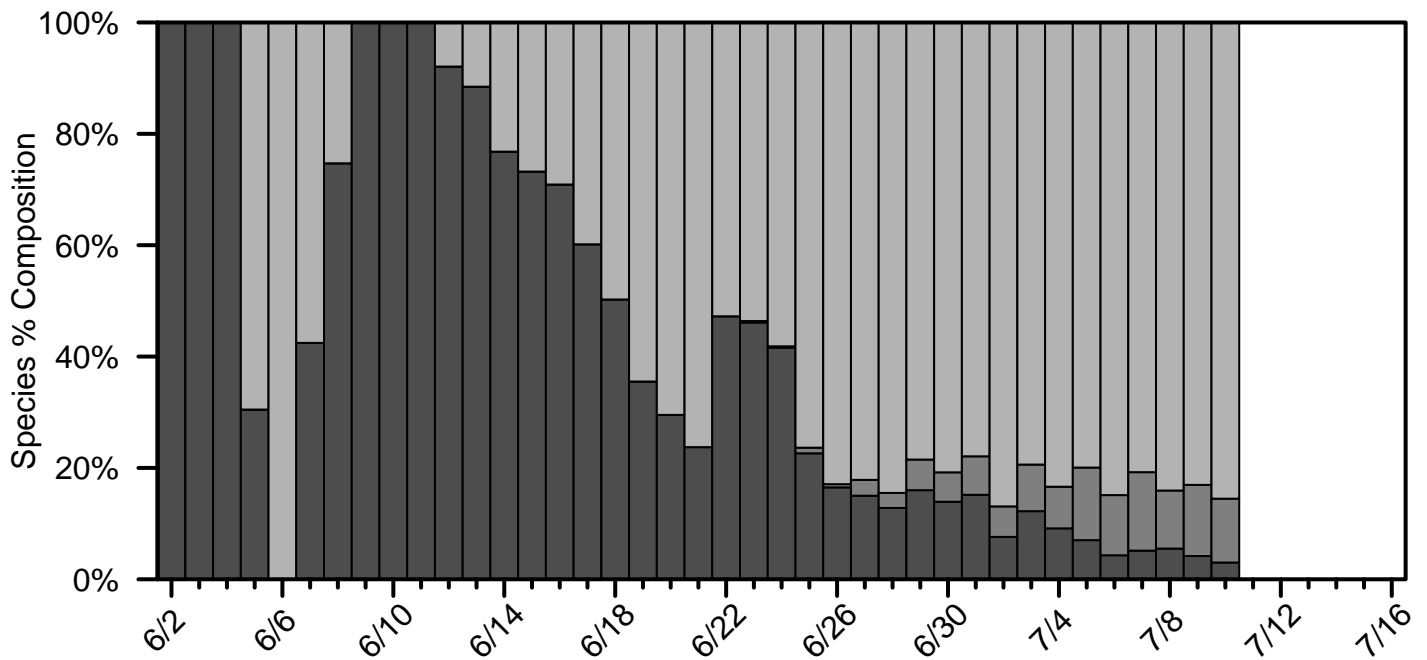
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Percent Composition by Salmon Species

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.



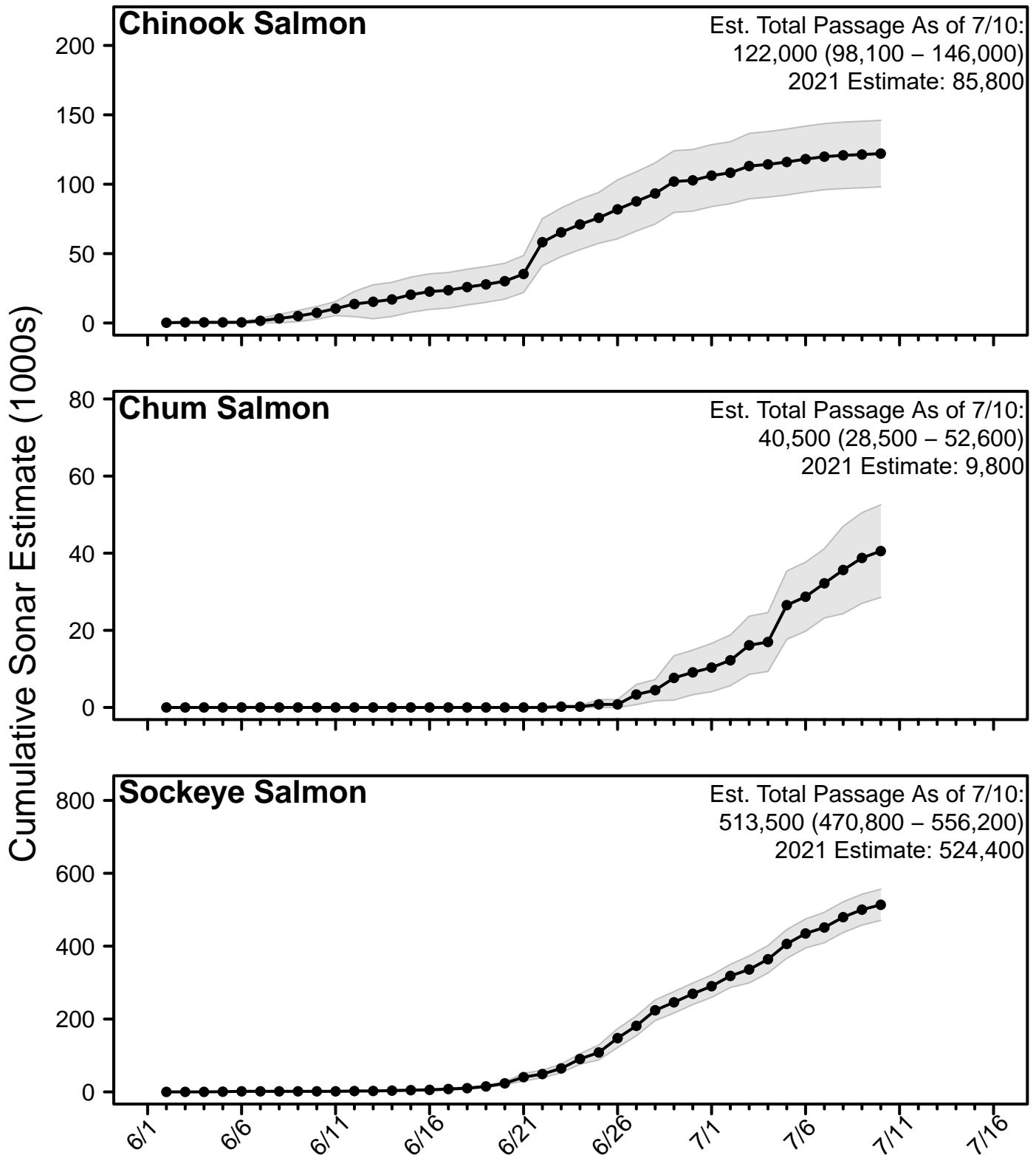
Species Composition Figure 2. Species percent composition from the sonar estimates from 2022 (salmon species only, excluding pink salmon). The composition presented on each day represents the average composition over the past 3 days.



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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).

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

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

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	16,030	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

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Chinook Salmon Appendix

Chinook Salmon Table A1. Cumulative CPUE from the BTF.

Date	2022	2021	2020	2019	2018	5-Yr Avg.	2008 - 2021 Avg.
7/8	450	455	407	776	602	509	509
7/9	456	465	415	782	606	516	514
7/10	465	476	420	784	619	522	519
7/11	471	492	434	801	624	535	526
7/12		500	445	805	627	541	532
7/13		505	448	815	628	545	535
7/14		512	457	822	633	552	539
EOS		532	487	848	667	582	566

Chinook Salmon Table A2. Cumulative CPUE from the ATF.

Date	2022	2021	2020	2019	2018
7/8	1,265	1,683	1,576	1,691	725
7/9	1,270	1,835	1,729	1,691	760
7/10	1,270	1,863	1,780	1,691	760
7/11	1,277	1,863	1,796	1,691	760
7/12		1,879	1,796	1,691	767
7/13		1,891	1,831	1,691	804
7/14		1,891	1,856	1,691	812
EOS		1,891	1,874	1,691	820

Chinook Salmon Table A3. Percent of run complete according to various historical run timing scenarios from the BTF.

Timing	Midpoint	7/11 Cumulative %
Earliest	6/14	99%
Early 10%	6/18	98%
Early 25%	6/21	97%
Median	6/22	94%
Late 25%	6/25	91%
Late 10%	6/26	88%
Latest	7/3	83%

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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.
7/8	724	124	692	2,018	3,270	2,038	3,022
7/9	753	132	730	2,157	3,937	2,311	3,254
7/10	786	143	762	2,188	4,492	2,505	3,454
7/11	881	159	818	2,421	4,854	2,688	3,660
7/12		176	903	2,707	5,525	2,951	3,875
7/13		184	930	2,761	5,878	3,053	4,031
7/14		210	987	2,917	6,105	3,172	4,212
EOS		327	1,442	6,427	8,212	4,639	5,832

Chum Salmon Table A2. Cumulative CPUE from the ATF.

Date	2022	2021	2020	2019	2018
7/8	639	194	1,501	1,051	5,493
7/9	766	239	1,725	1,051	6,098
7/10	926	239	1,853	1,051	6,538
7/11	945	239	1,995	1,051	6,816
7/12		255	2,073	1,051	7,618
7/13		267	2,291	1,051	8,729
7/14		267	2,422	1,051	9,297
EOS		267	2,611	1,051	10,277

Chum Salmon Table A3. Percent of run complete according to various historical run timing scenarios from the BTF.

Timing	Midpoint	7/11 Cumulative %
Earliest	6/23	93%
Early 10%	7/1	87%
Early 25%	7/3	80%
Median	7/6	71%
Late 25%	7/8	60%
Late 10%	7/11	49%
Latest	7/15	38%

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Sockeye Salmon Appendix

Sockeye Salmon Table A1. Cumulative CPUE from the BTF.

Date	2022	2021	2020	2019	2018	5-Yr Avg.	2008 - 2021 Avg.
7/8	1,137	1,106	696	1,582	1,270	1,249	1,228
7/9	1,150	1,176	708	1,638	1,347	1,309	1,278
7/10	1,183	1,228	745	1,663	1,423	1,354	1,325
7/11	1,222	1,404	801	1,735	1,491	1,443	1,377
7/12		1,458	838	1,826	1,555	1,529	1,425
7/13		1,485	850	1,895	1,596	1,575	1,452
7/14		1,513	887	1,960	1,656	1,632	1,485
EOS		1,694	1,060	2,685	2,275	2,080	1,773

Sockeye Salmon Table A2. Cumulative CPUE from the ATF.

Date	2022	2021	2020	2019	2018
7/8	102	225	100	33	68
7/9	108	233	100	33	68
7/10	122	233	100	33	68
7/11	129	241	105	33	68
7/12		241	131	33	75
7/13		241	155	33	75
7/14		241	179	33	75
EOS		241	209	33	75

Sockeye Salmon Table A3. Percent of run complete according to various historical run timing scenarios from the BTF.

Timing	Midpoint	7/11 Cumulative %
Earliest	6/22	100%
Early 10%	6/24	100%
Early 25%	6/27	98%
Median	6/29	94%
Late 25%	7/2	85%
Late 10%	7/6	73%
Latest	7/10	55%

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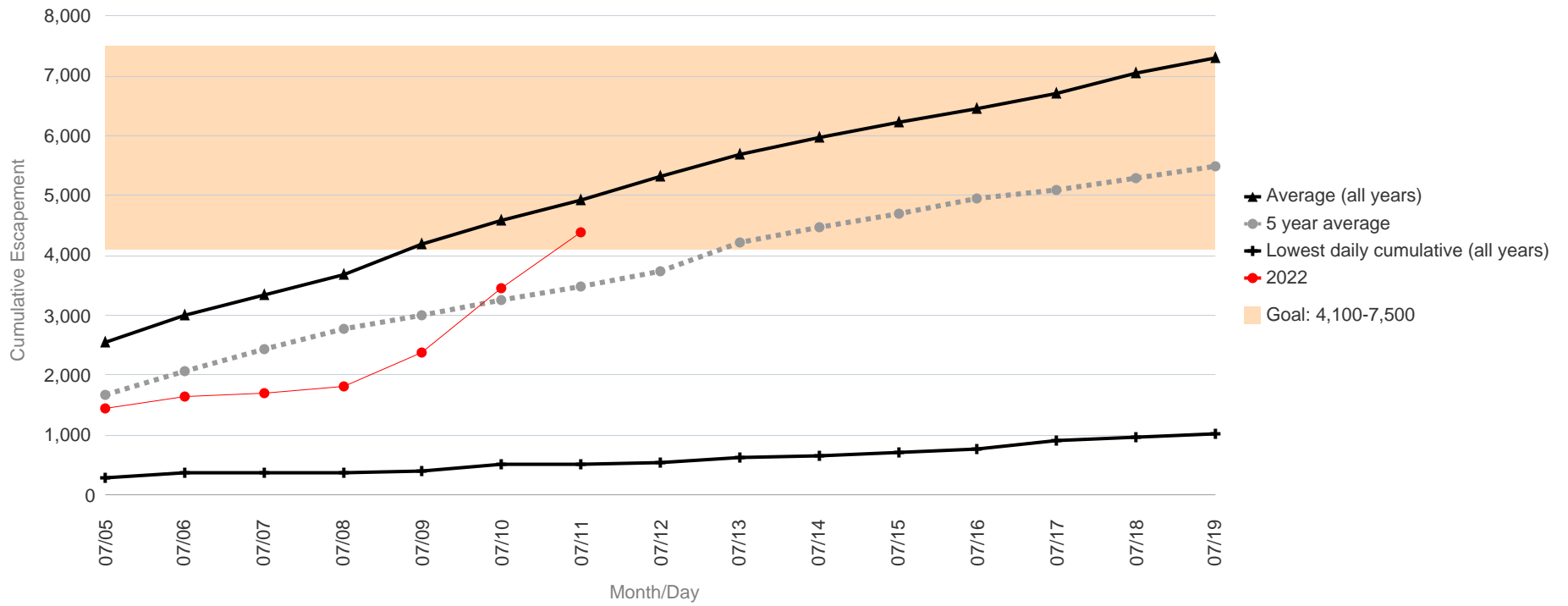
Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 4,100 to 7,500

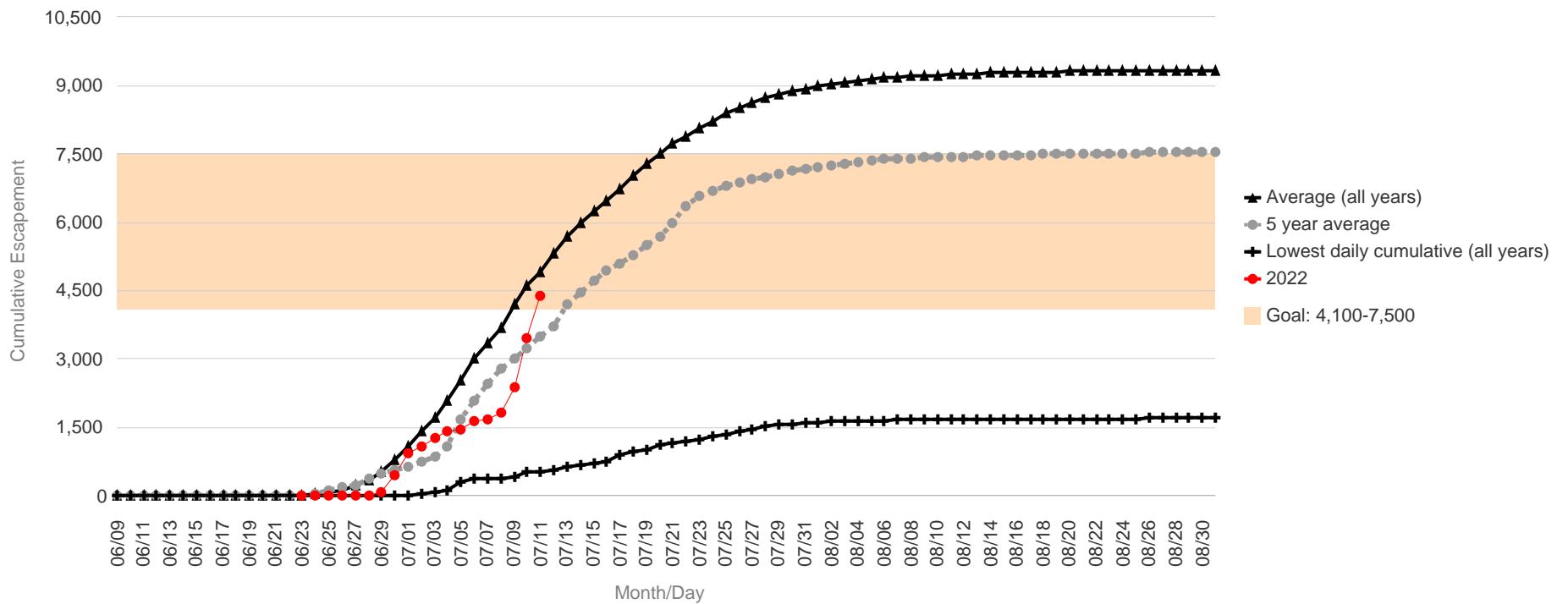
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	292	2,540	1,676	1,461
07/06	360	3,014	2,069	1,653
07/07	361	3,342	2,440	1,693
07/08	372	3,688	2,778	1,821
07/09	405	4,187	3,012	2,388
07/10	522	4,599	3,250	3,468
07/11	526	4,918	3,484	4,404
07/12	557	5,312	3,728	
07/13	638	5,683	4,209	
07/14	668	5,982	4,466	
07/15	699	6,238	4,709	
07/16	763	6,469	4,956	
07/17	897	6,715	5,098	
07/18	970	7,043	5,287	
07/19	1,021	7,297	5,494	

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

Focused Two-Week Data View



Season Total Overview

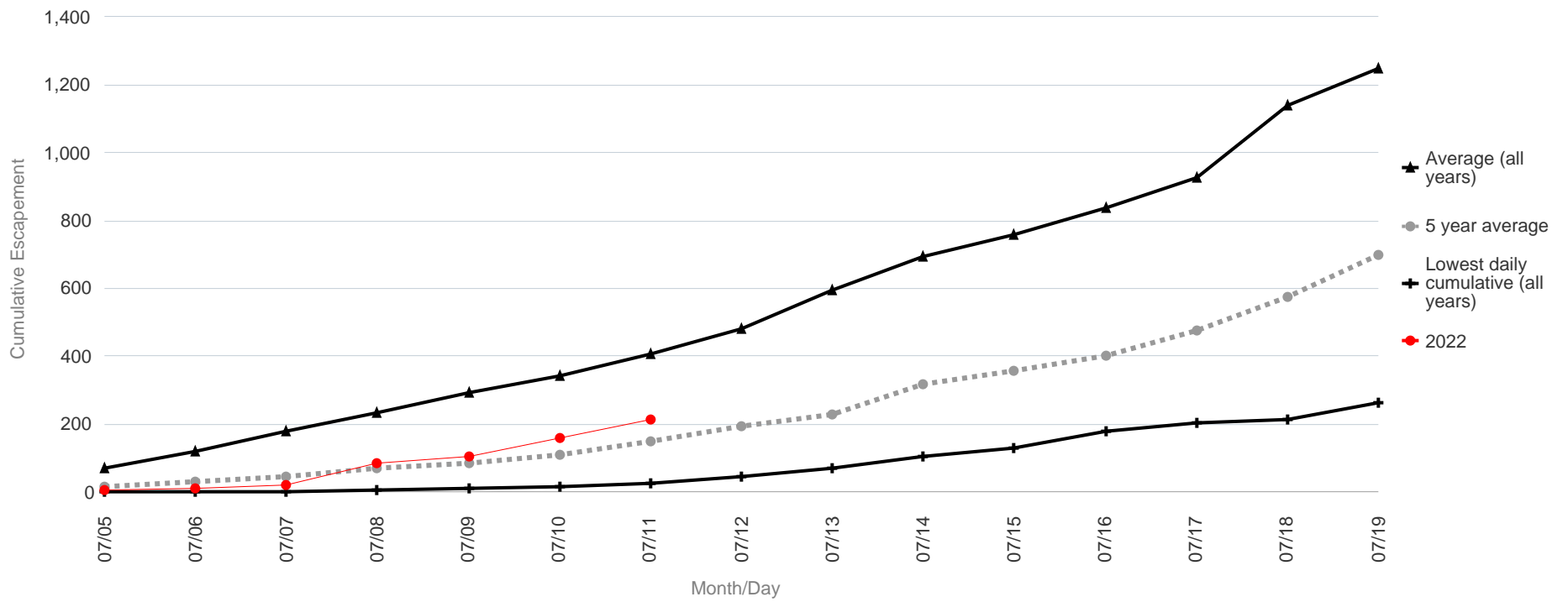


Salmon River (Aniak) Salmon Monitoring Project Passage of Chinook Salmon

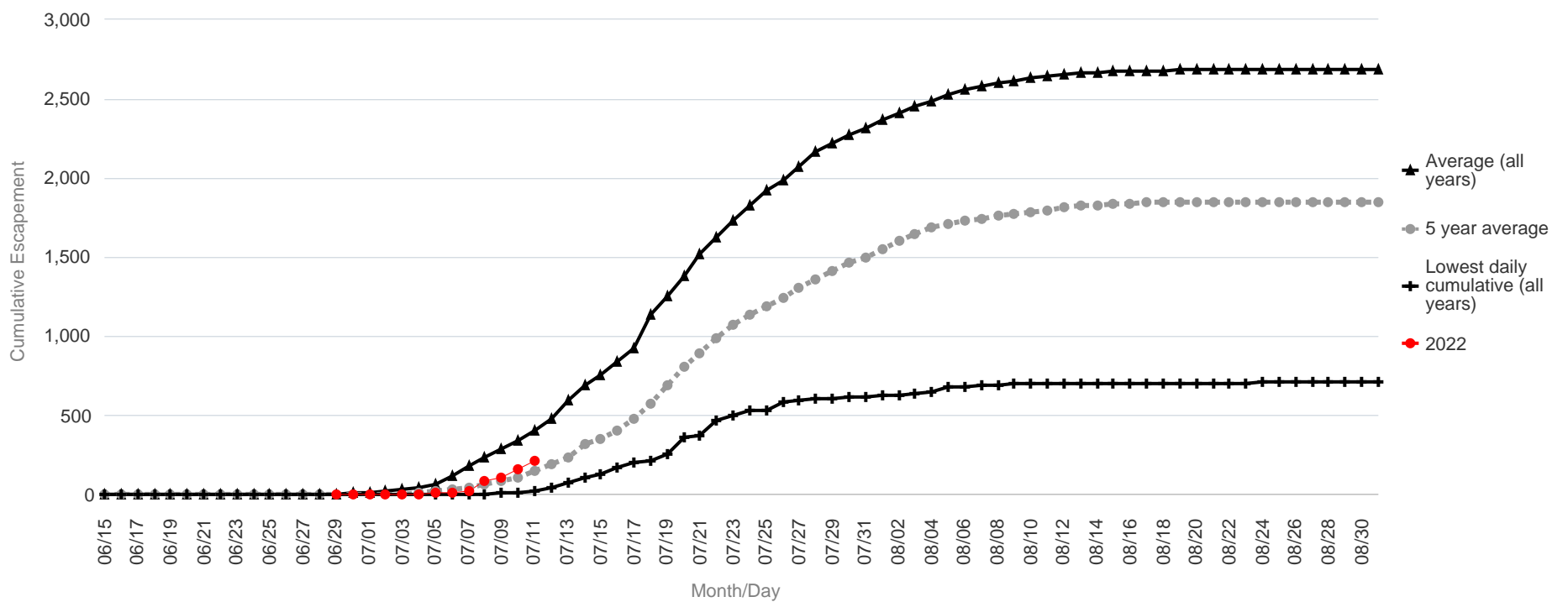
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	1	69	18	8
07/06	2	120	31	9
07/07	2	178	45	21
07/08	6	232	68	84
07/09	9	292	85	106
07/10	15	341	110	160
07/11	27	406	152	215
07/12	46	480	194	
07/13	72	594	231	
07/14	106	693	316	
07/15	128	757	357	
07/16	177	836	404	
07/17	202	926	474	
07/18	216	1,141	577	
07/19	261	1,250	697	

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

Focused Two-Week Data View



Season Total Overview



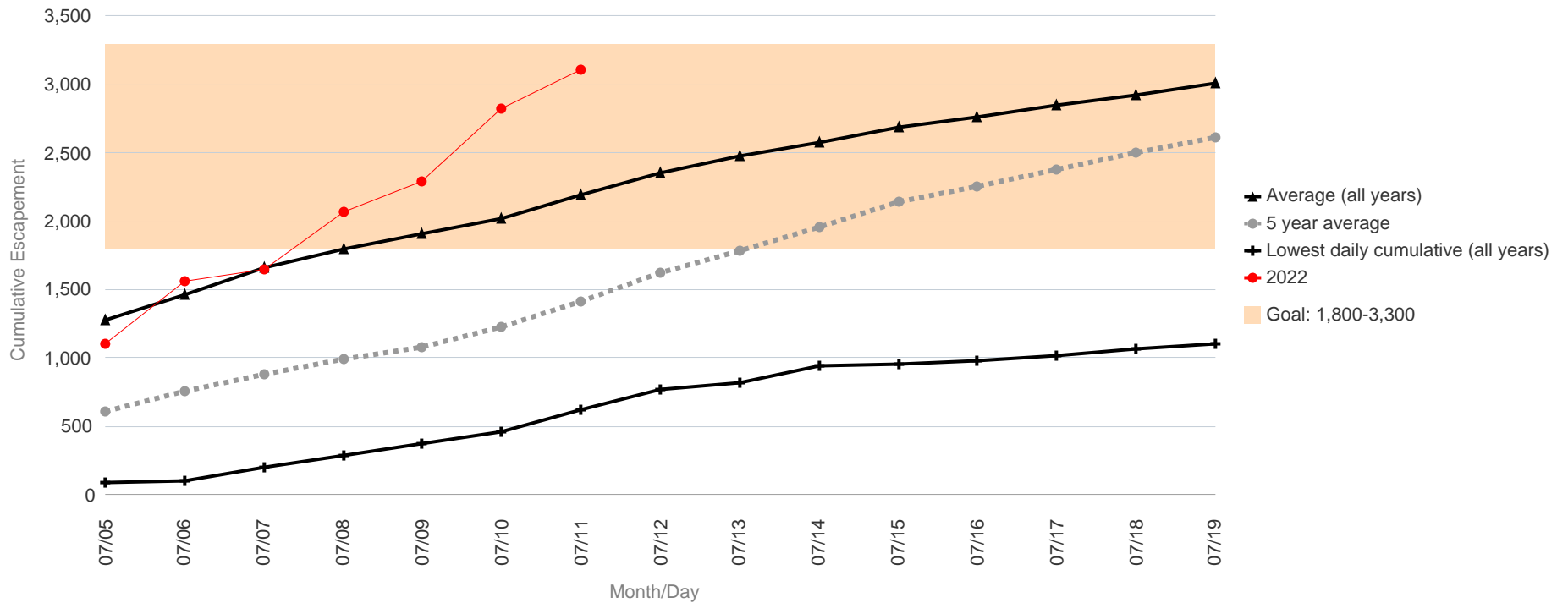
George River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 1,800 to 3,300

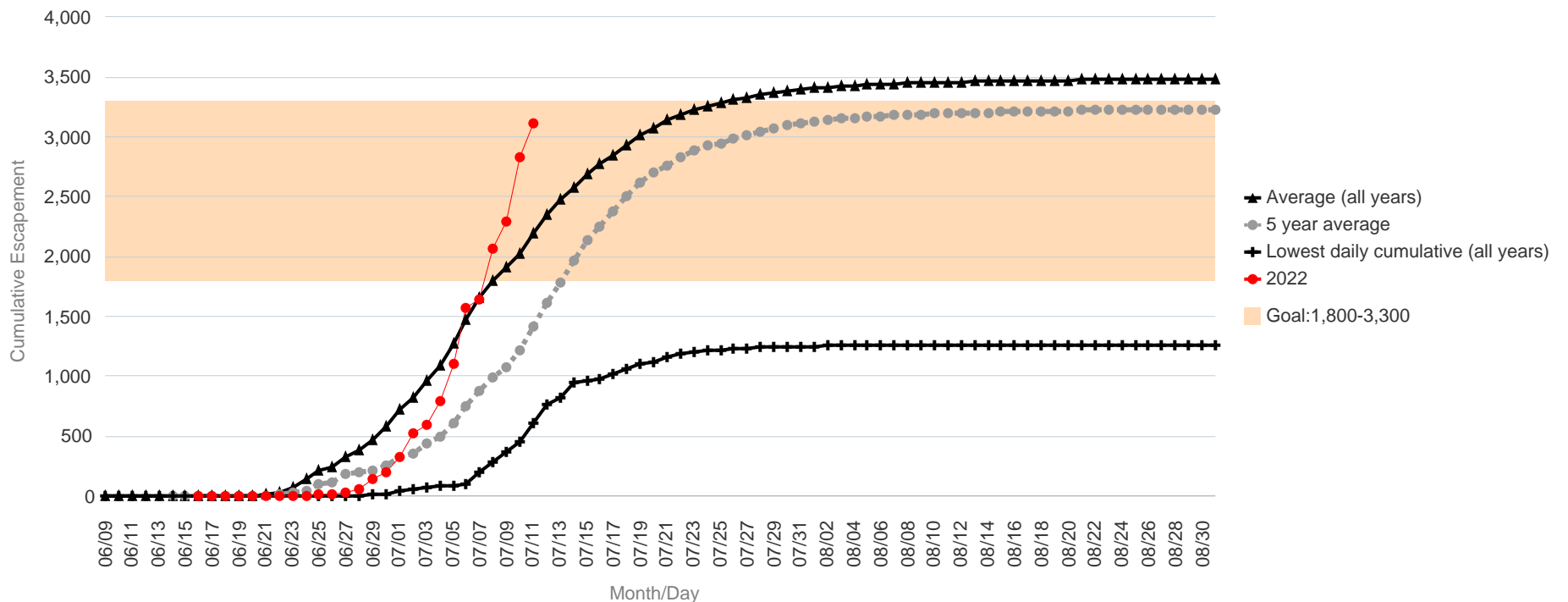
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	94	1,273	609	1,107
07/06	96	1,469	756	1,568
07/07	196	1,656	885	1,650
07/08	287	1,793	987	2,067
07/09	373	1,912	1,073	2,294
07/10	458	2,024	1,226	2,828
07/11	617	2,192	1,415	3,108
07/12	767	2,355	1,618	
07/13	820	2,474	1,790	
07/14	944	2,578	1,962	
07/15	960	2,684	2,141	
07/16	985	2,769	2,252	
07/17	1,017	2,853	2,374	
07/18	1,065	2,928	2,504	
07/19	1,101	3,010	2,618	

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

Focused Two-Week Data View



Season Total Overview



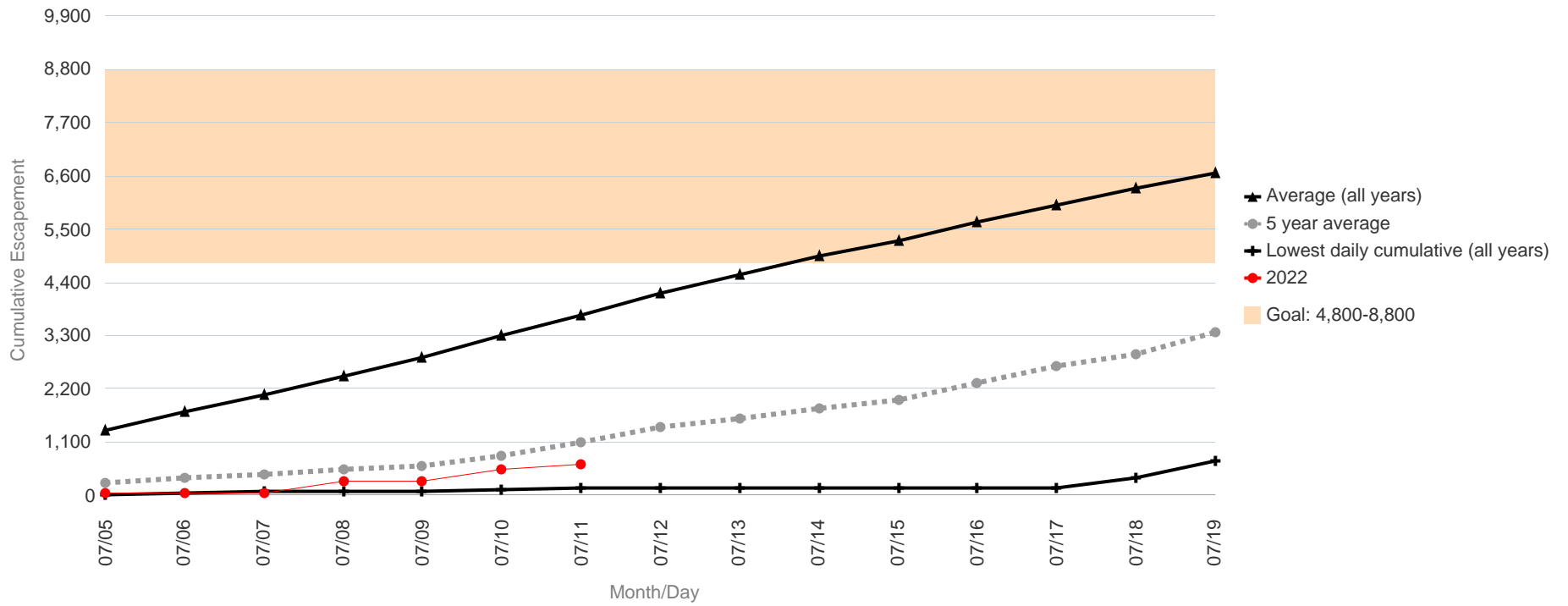
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chinook Salmon

Escapement Goal Range: 4,800 to 8,800

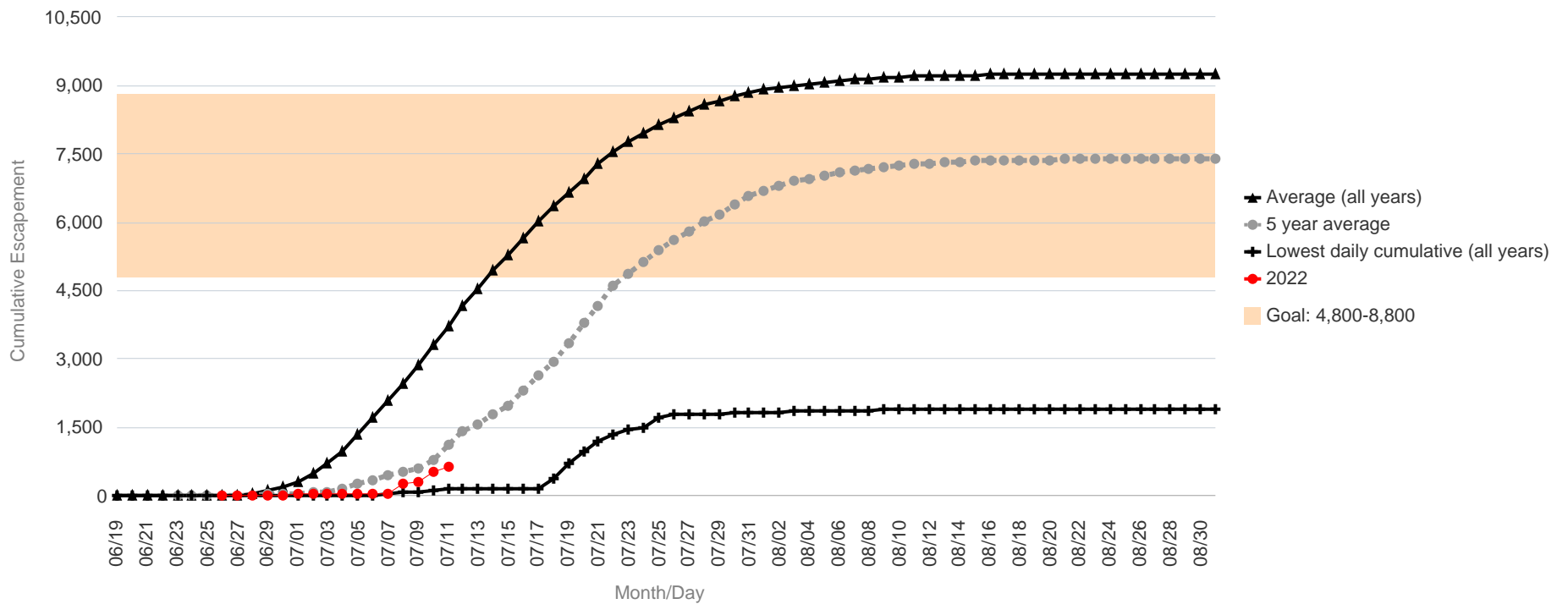
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	16	1,329	250	34
07/06	25	1,718	359	34
07/07	62	2,078	441	35
07/08	69	2,463	541	273
07/09	70	2,852	610	297
07/10	122	3,307	801	538
07/11	145	3,707	1,104	646
07/12	145	4,168	1,416	
07/13	145	4,548	1,580	
07/14	145	4,940	1,780	
07/15	145	5,273	1,984	
07/16	145	5,652	2,310	
07/17	145	6,009	2,660	
07/18	374	6,348	2,930	
07/19	703	6,663	3,359	

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

Focused Two-Week Data View



Season Total Overview

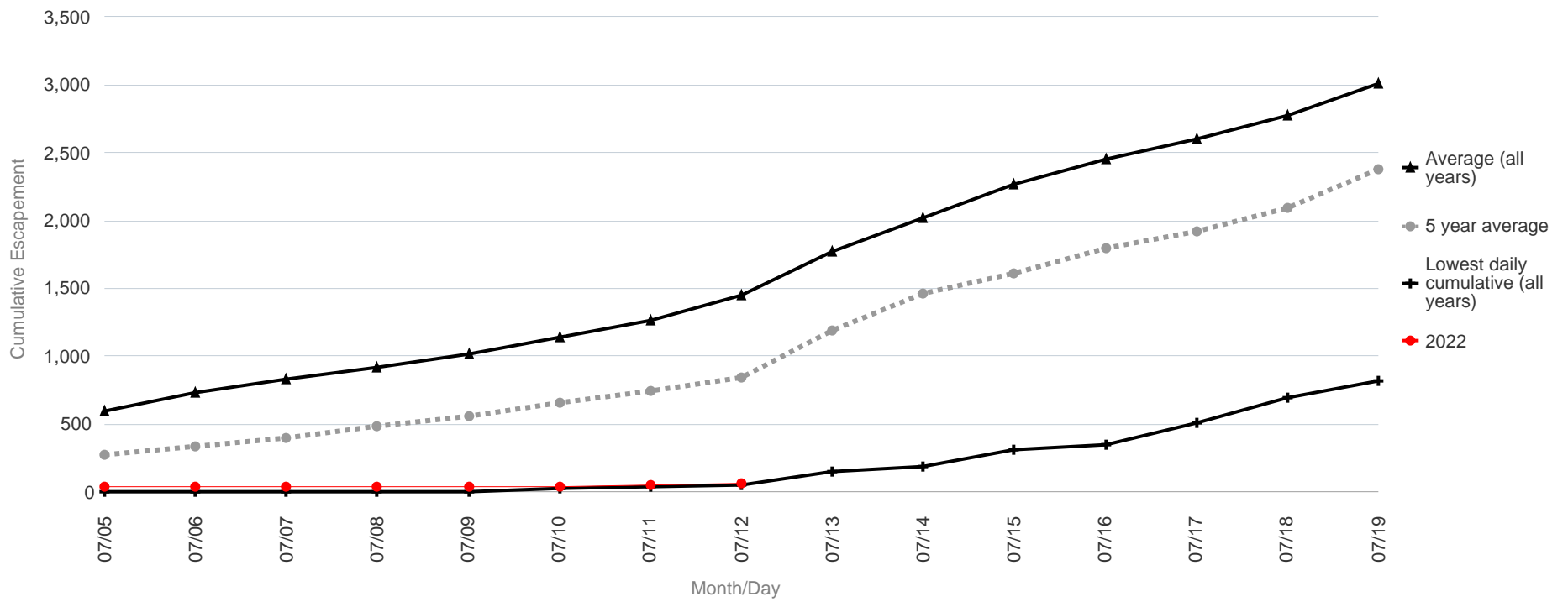


Salmon River (Pitka Fork) Salmon Monitoring Project Passage of Chinook Salmon

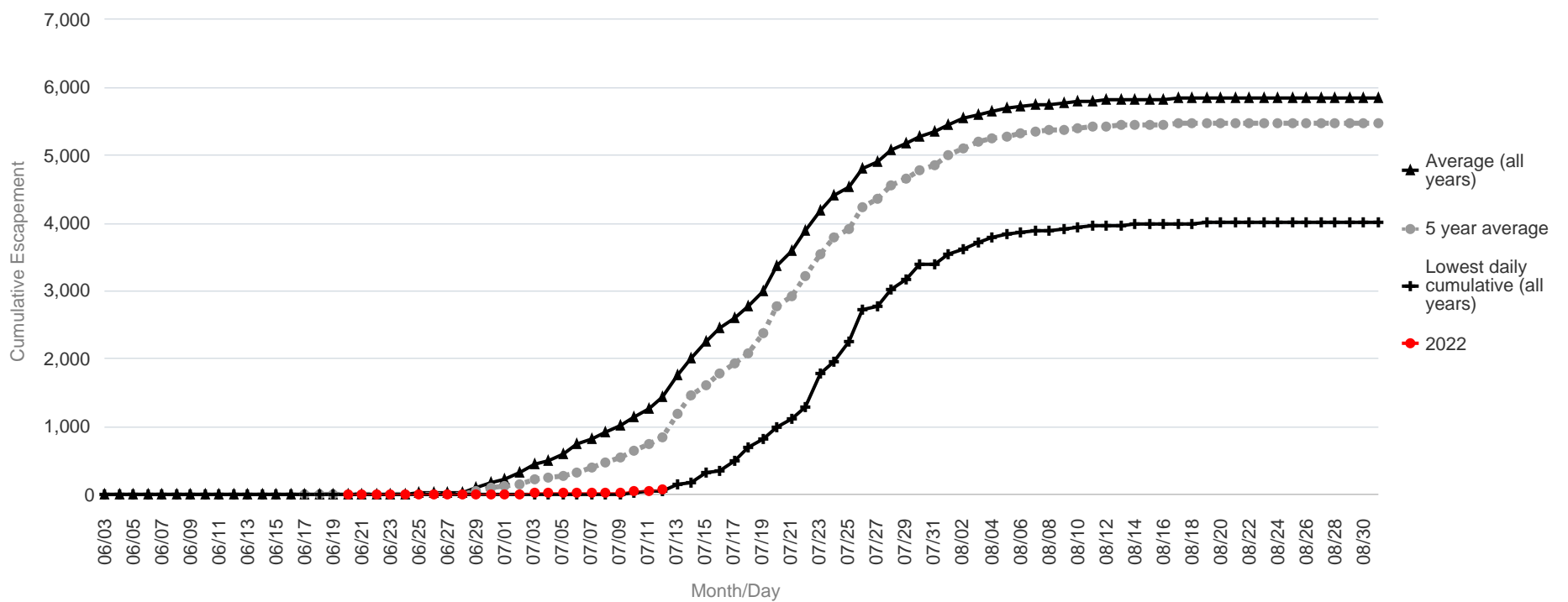
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	7	599	275	34
07/06	7	738	335	35
07/07	7	829	396	36
07/08	7	914	487	38
07/09	8	1,022	559	39
07/10	21	1,143	655	45
07/11	43	1,268	748	46
07/12	56	1,450	850	67
07/13	154	1,773	1,193	
07/14	185	2,014	1,460	
07/15	316	2,269	1,613	
07/16	349	2,454	1,795	
07/17	511	2,602	1,925	
07/18	697	2,771	2,090	
07/19	824	3,006	2,380	

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

Focused Two-Week Data View



Season Total Overview

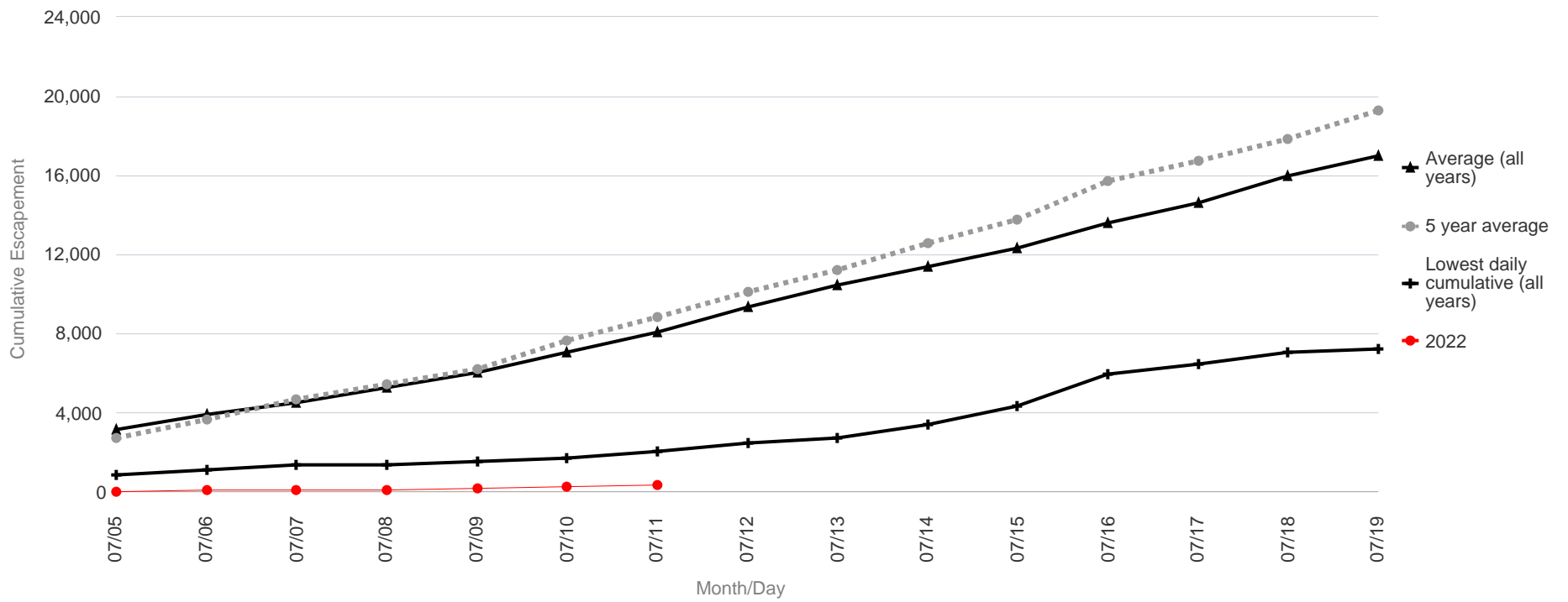


Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

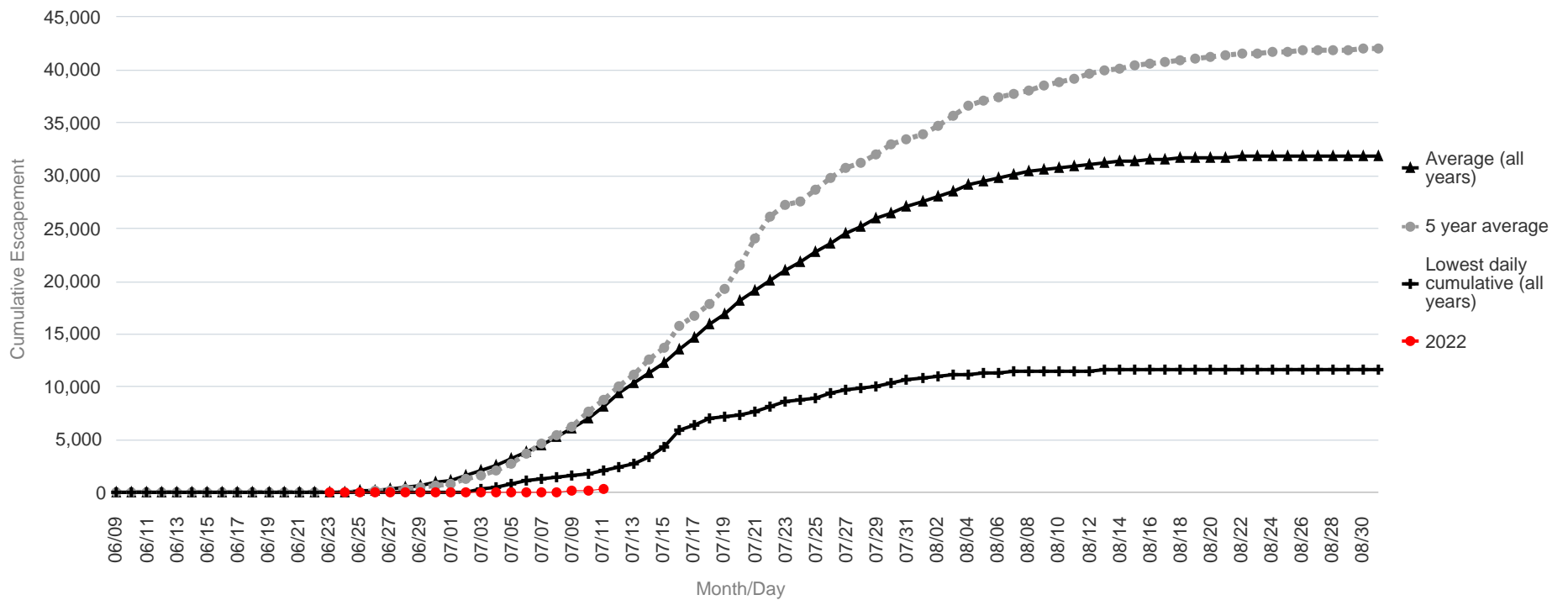
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	839	3,197	2,725	41
07/06	1,087	3,878	3,686	62
07/07	1,367	4,537	4,686	62
07/08	1,414	5,238	5,453	82
07/09	1,552	6,052	6,236	161
07/10	1,727	7,092	7,626	253
07/11	2,077	8,102	8,843	383
07/12	2,442	9,353	10,121	
07/13	2,769	10,431	11,249	
07/14	3,385	11,408	12,572	
07/15	4,386	12,337	13,787	
07/16	5,937	13,556	15,735	
07/17	6,461	14,642	16,729	
07/18	7,027	15,973	17,814	
07/19	7,245	16,961	19,303	

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

Focused Two-Week Data View



Season Total Overview

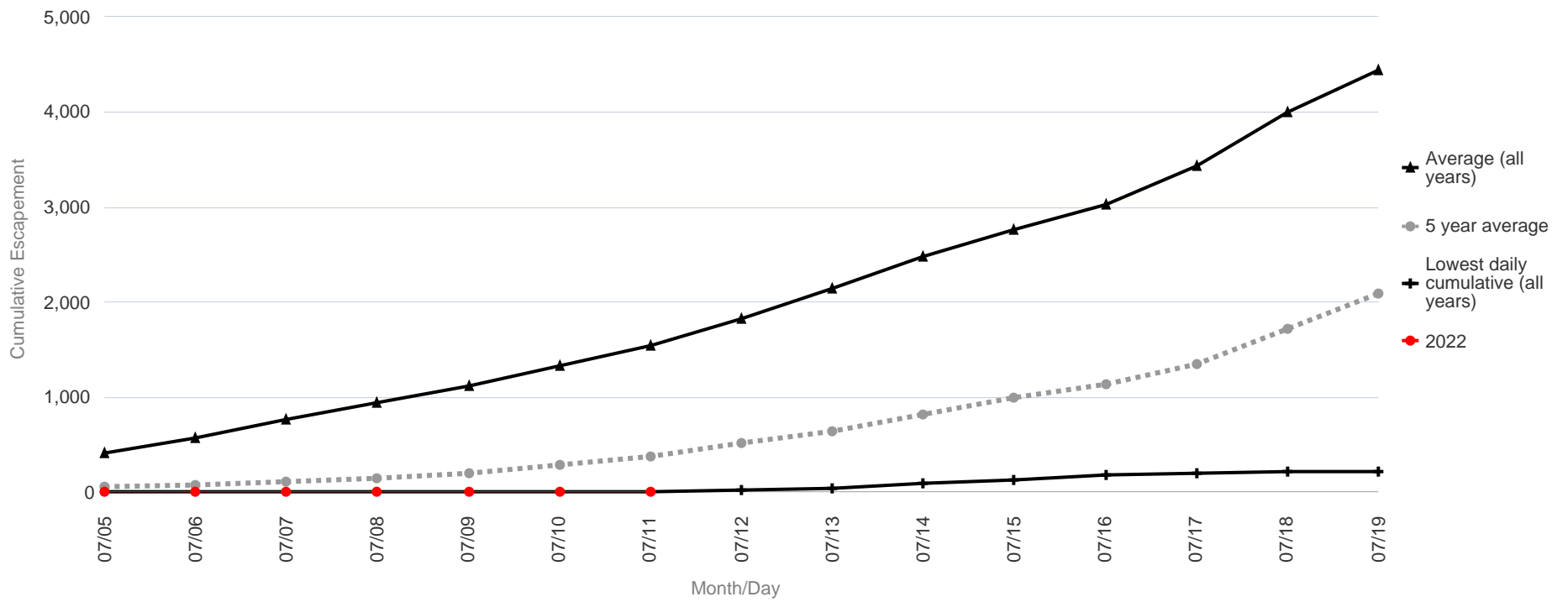


Salmon River (Aniak) Salmon Monitoring Project Passage of Chum Salmon

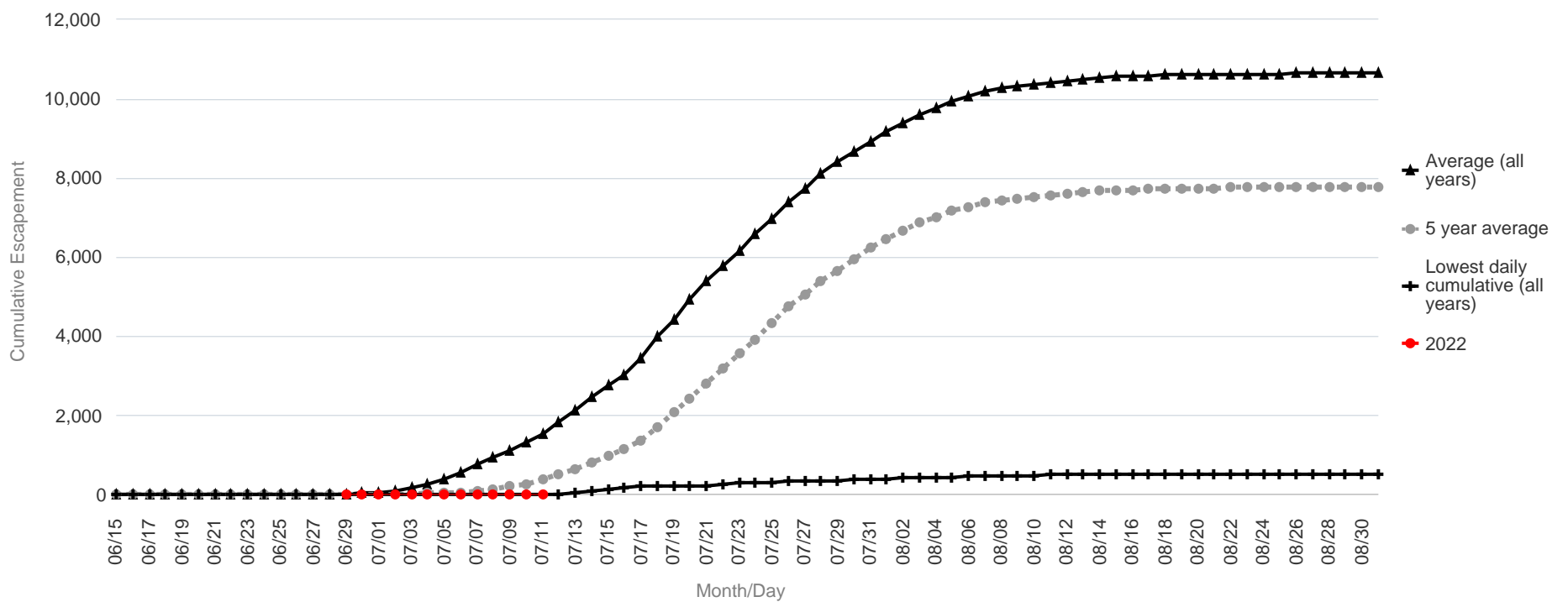
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	1	402	48	1
07/06	4	564	68	1
07/07	5	767	110	1
07/08	5	942	152	1
07/09	5	1,120	202	1
07/10	9	1,337	279	3
07/11	12	1,548	371	7
07/12	21	1,833	512	
07/13	39	2,140	637	
07/14	83	2,474	815	
07/15	135	2,763	989	
07/16	183	3,034	1,134	
07/17	204	3,441	1,351	
07/18	209	4,001	1,724	
07/19	218	4,442	2,088	

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

Focused Two-Week Data View



Season Total Overview

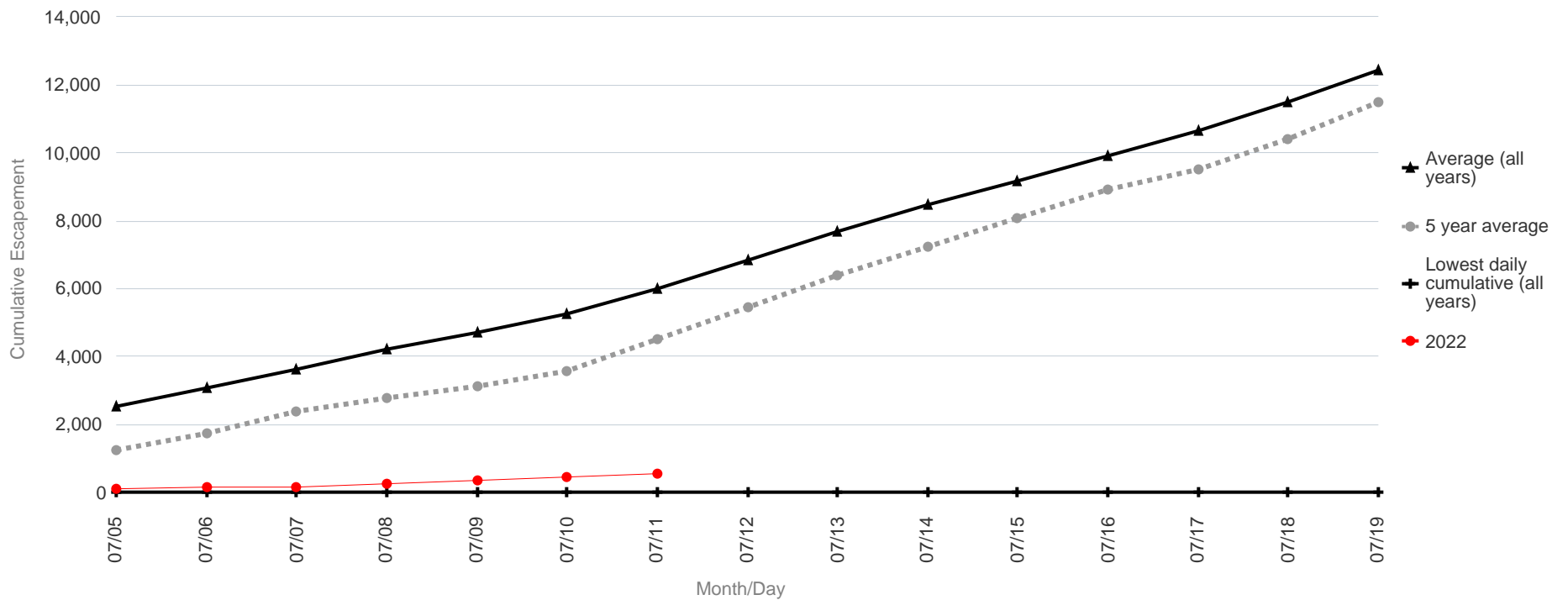


George River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

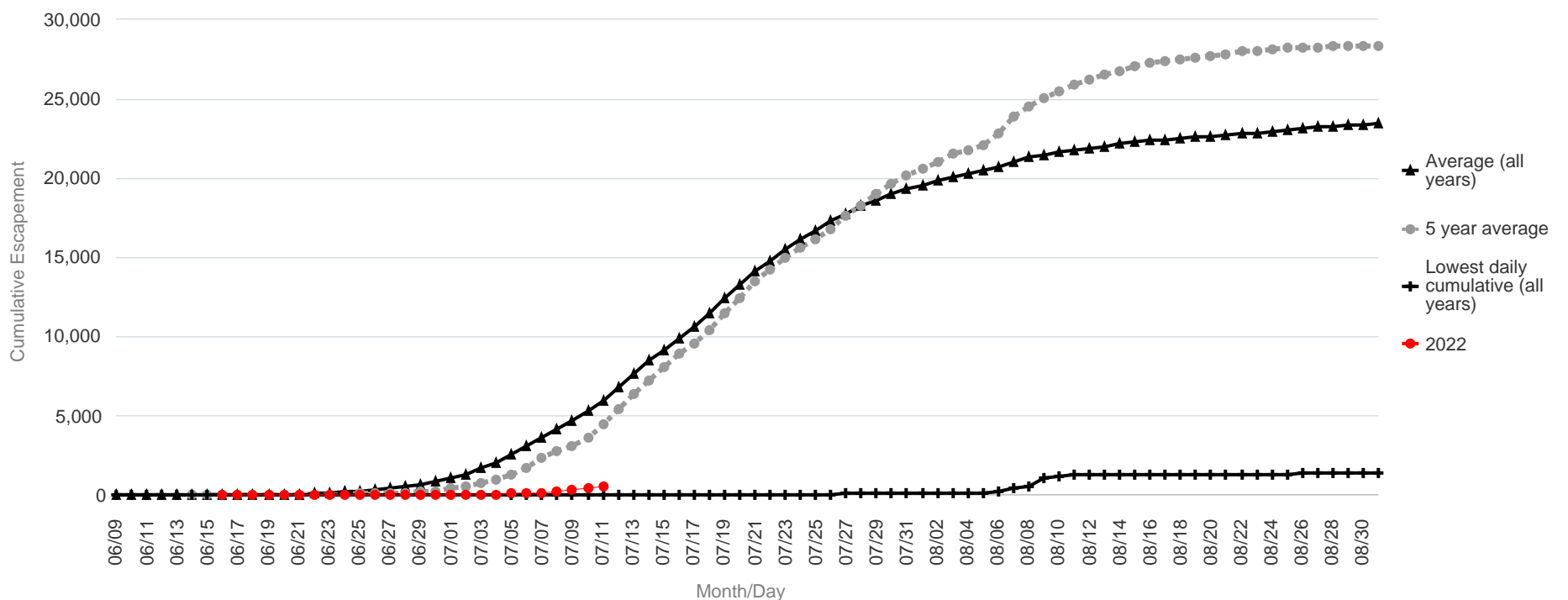
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	0	2,530	1,253	90
07/06	0	3,060	1,731	153
07/07	0	3,607	2,387	161
07/08	0	4,201	2,805	240
07/09	0	4,717	3,108	335
07/10	0	5,278	3,598	466
07/11	0	6,013	4,515	547
07/12	0	6,823	5,447	
07/13	0	7,660	6,410	
07/14	0	8,478	7,238	
07/15	0	9,182	8,076	
07/16	0	9,913	8,911	
07/17	0	10,650	9,534	
07/18	1	11,483	10,424	
07/19	2	12,442	11,476	

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

Focused Two-Week Data View



Season Total Overview



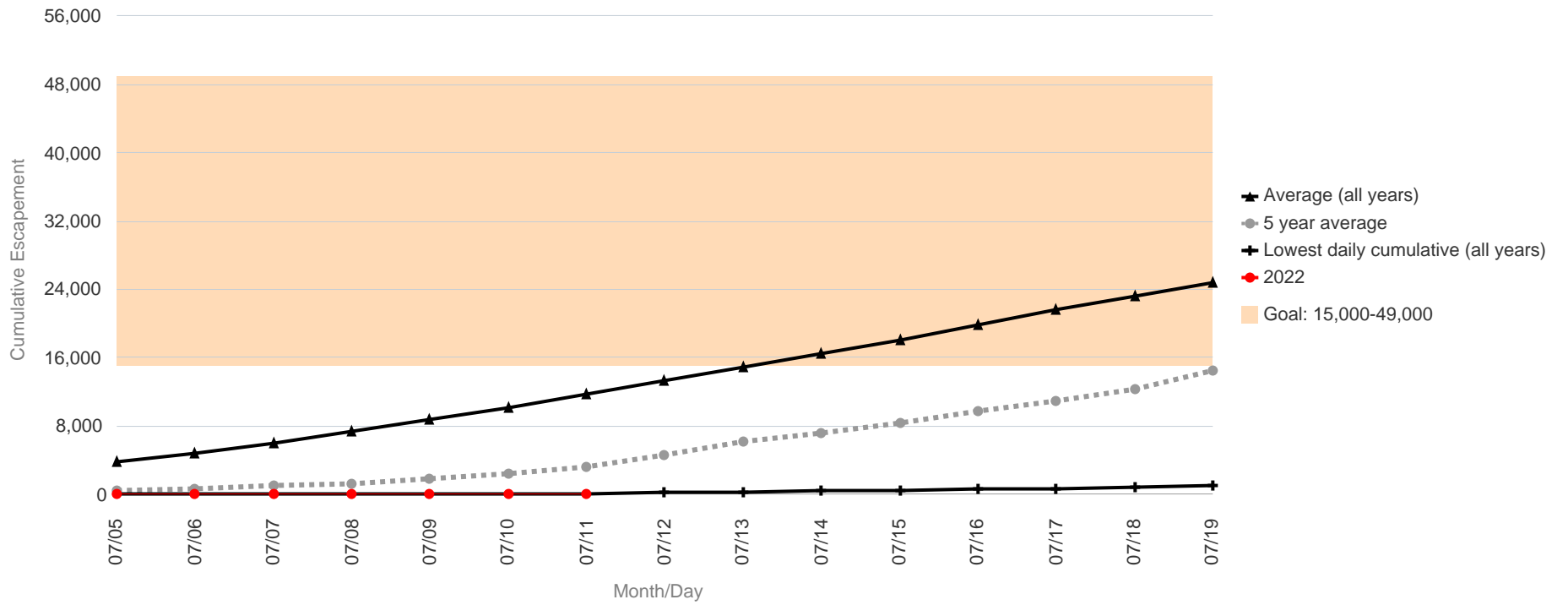
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Chum Salmon

Escapement Goal Range: 15,000 to 49,000

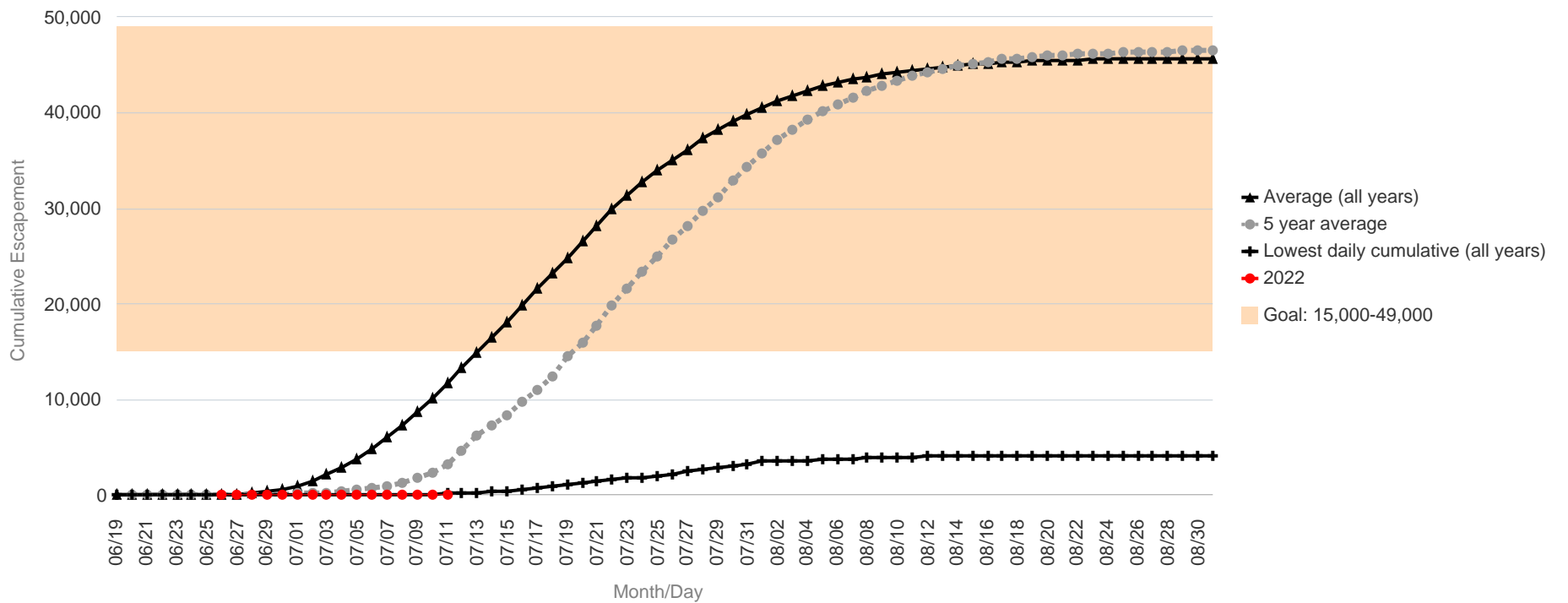
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	13	3,787	523	31
07/06	17	4,885	709	37
07/07	21	6,028	989	44
07/08	31	7,306	1,311	79
07/09	33	8,666	1,761	81
07/10	72	10,176	2,379	92
07/11	123	11,683	3,300	96
07/12	188	13,291	4,676	
07/13	267	14,882	6,179	
07/14	361	16,504	7,222	
07/15	467	18,093	8,380	
07/16	592	19,894	9,766	
07/17	730	21,526	10,981	
07/18	874	23,128	12,352	
07/19	1,090	24,868	14,498	

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

Focused Two-Week Data View



Season Total Overview

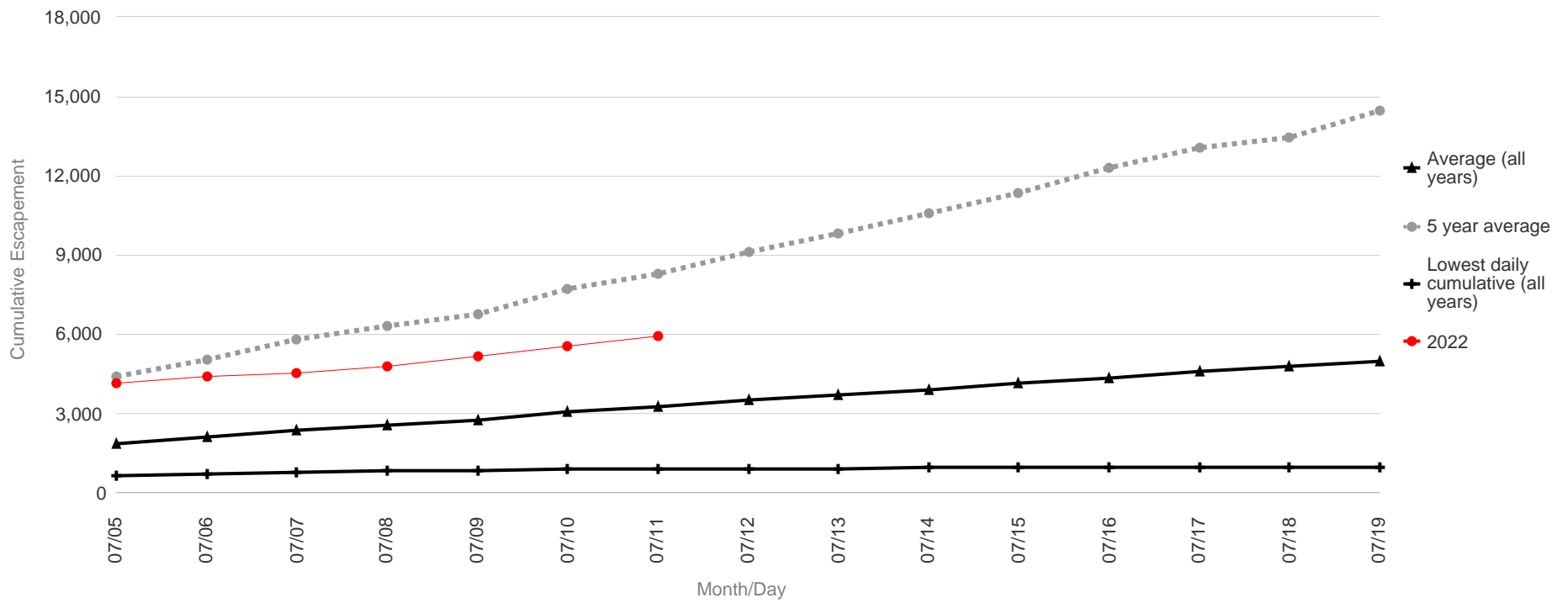


Kwethluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

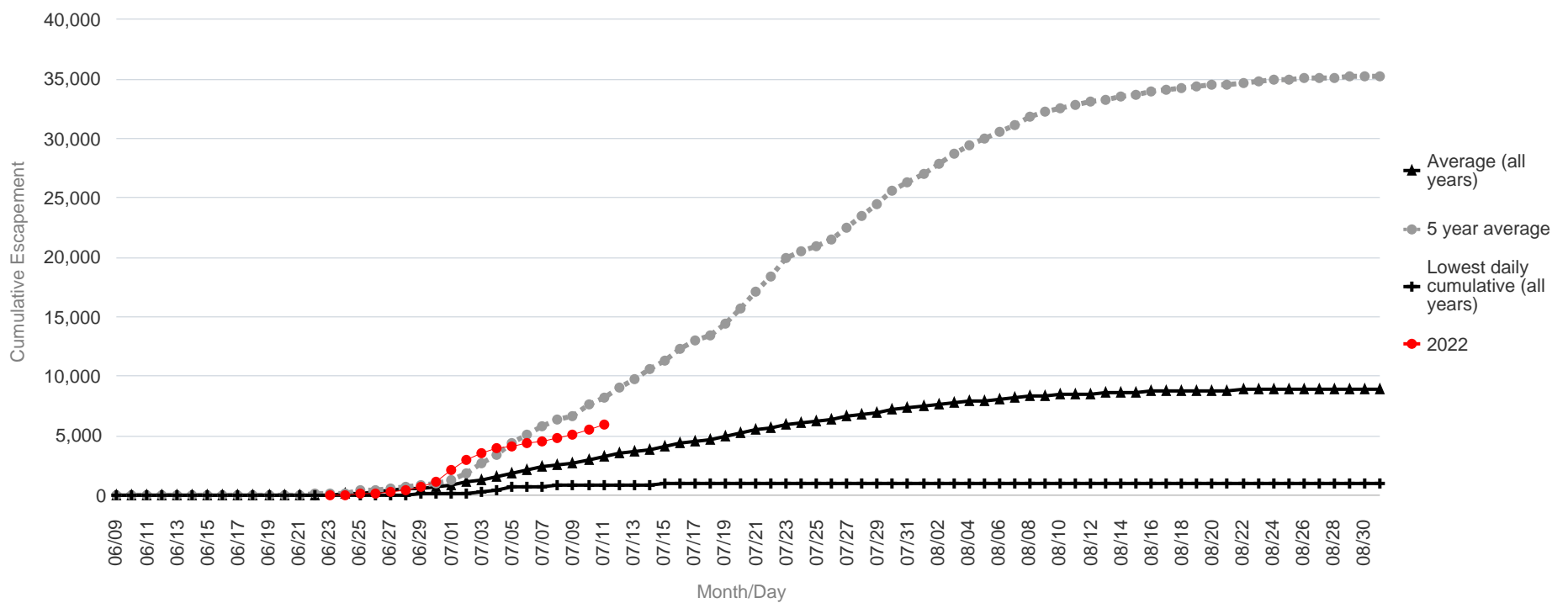
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	666	1,888	4,396	4,118
07/06	724	2,140	5,058	4,393
07/07	774	2,367	5,807	4,562
07/08	819	2,572	6,322	4,769
07/09	855	2,754	6,728	5,171
07/10	876	3,048	7,718	5,526
07/11	904	3,262	8,290	5,937
07/12	920	3,505	9,091	
07/13	925	3,697	9,807	
07/14	946	3,913	10,591	
07/15	955	4,124	11,323	
07/16	970	4,366	12,283	
07/17	974	4,597	13,042	
07/18	979	4,759	13,472	
07/19	980	4,962	14,434	

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

Focused Two-Week Data View



Season Total Overview

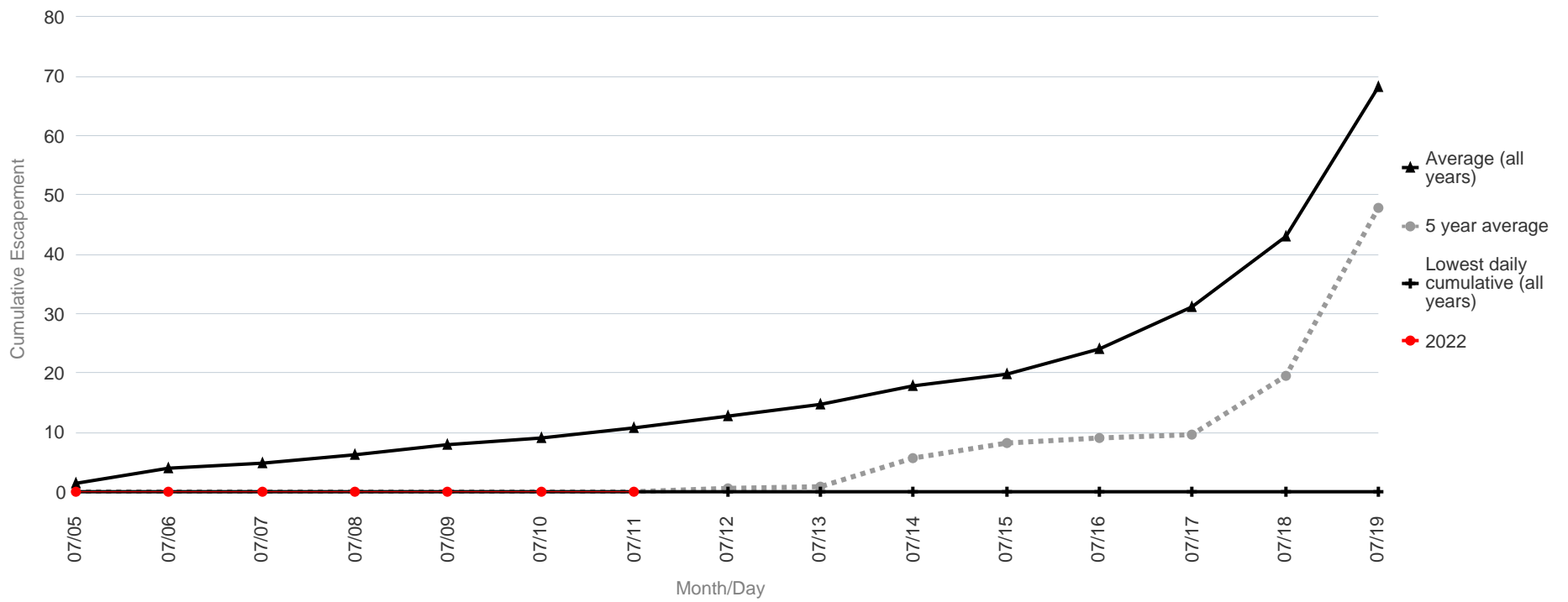


Salmon River (Aniak) Salmon Monitoring Project Passage of Sockeye Salmon

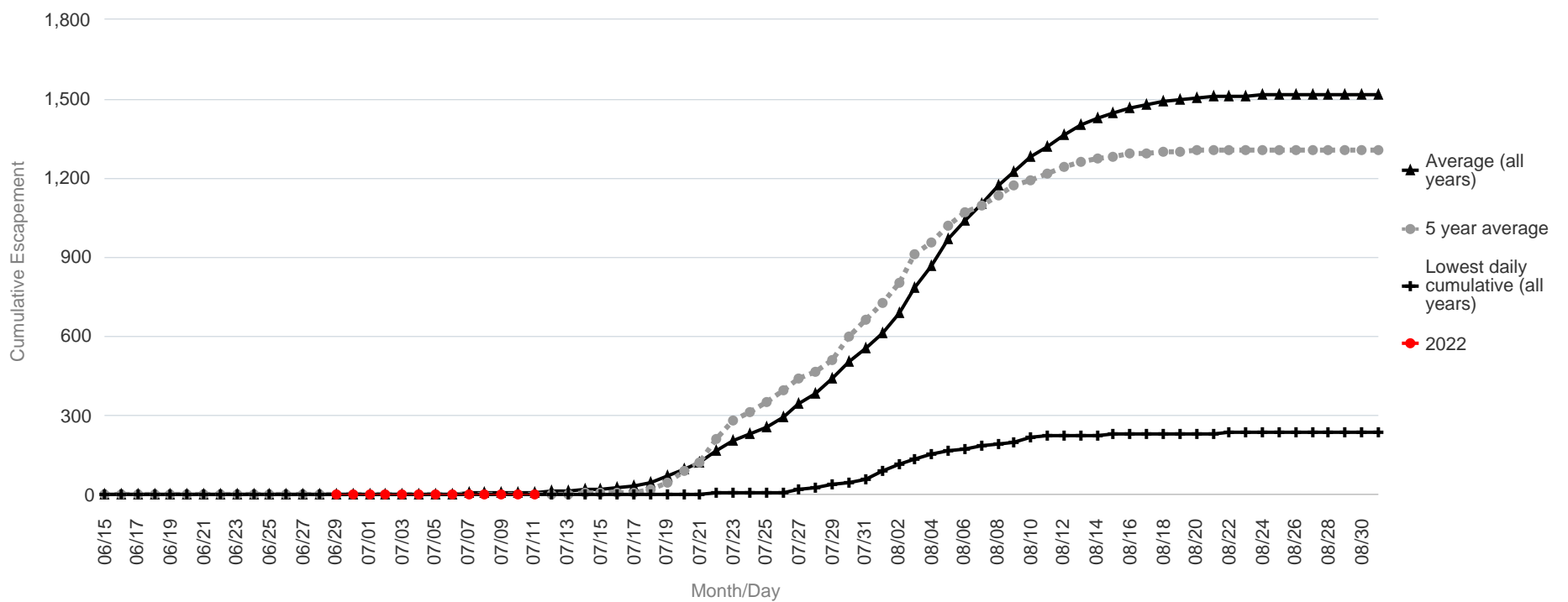
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	0	1	0	0
07/06	0	4	0	0
07/07	0	5	0	0
07/08	0	6	0	0
07/09	0	8	0	0
07/10	0	9	0	0
07/11	0	11	0	0
07/12	0	13	1	
07/13	0	15	1	
07/14	0	18	6	
07/15	0	20	8	
07/16	0	24	9	
07/17	0	31	10	
07/18	0	43	20	
07/19	0	68	48	

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

Focused Two-Week Data View



Season Total Overview



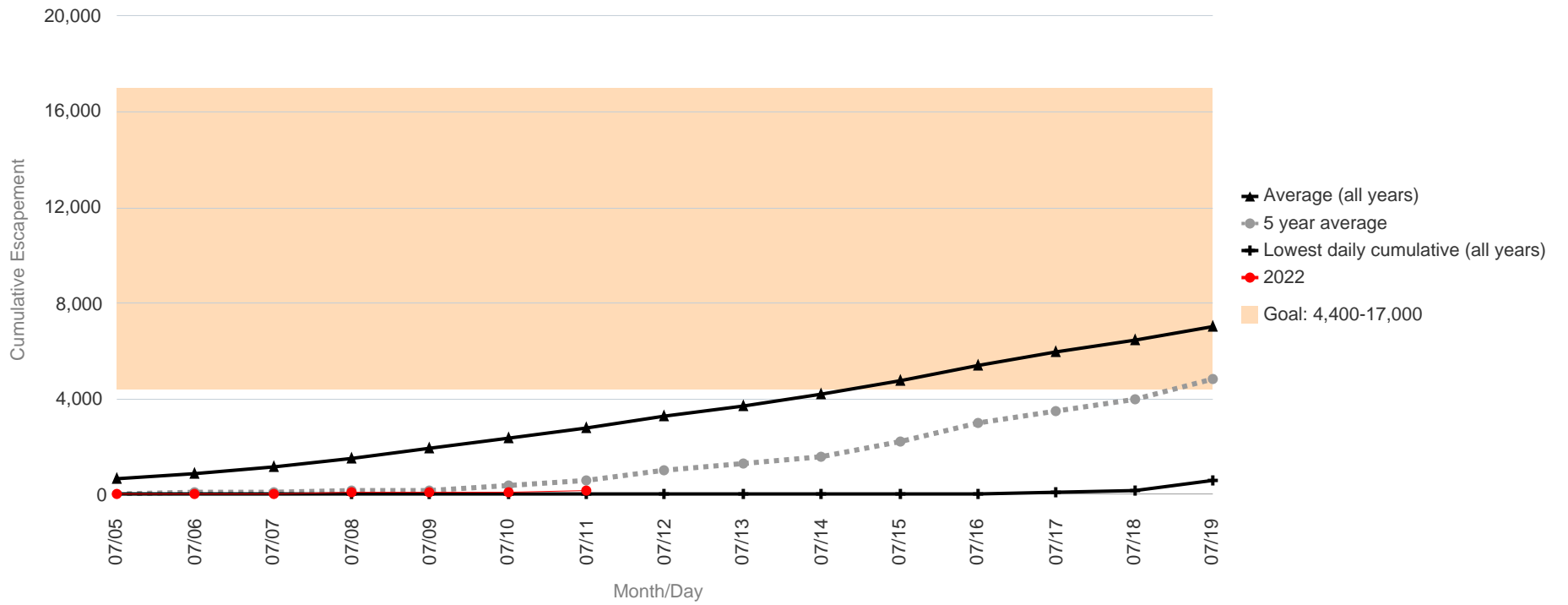
Kogrukluk River Salmon Monitoring Project Cumulative Daily Passage of Sockeye Salmon

Escapement Goal Range: 4,400 to 17,000

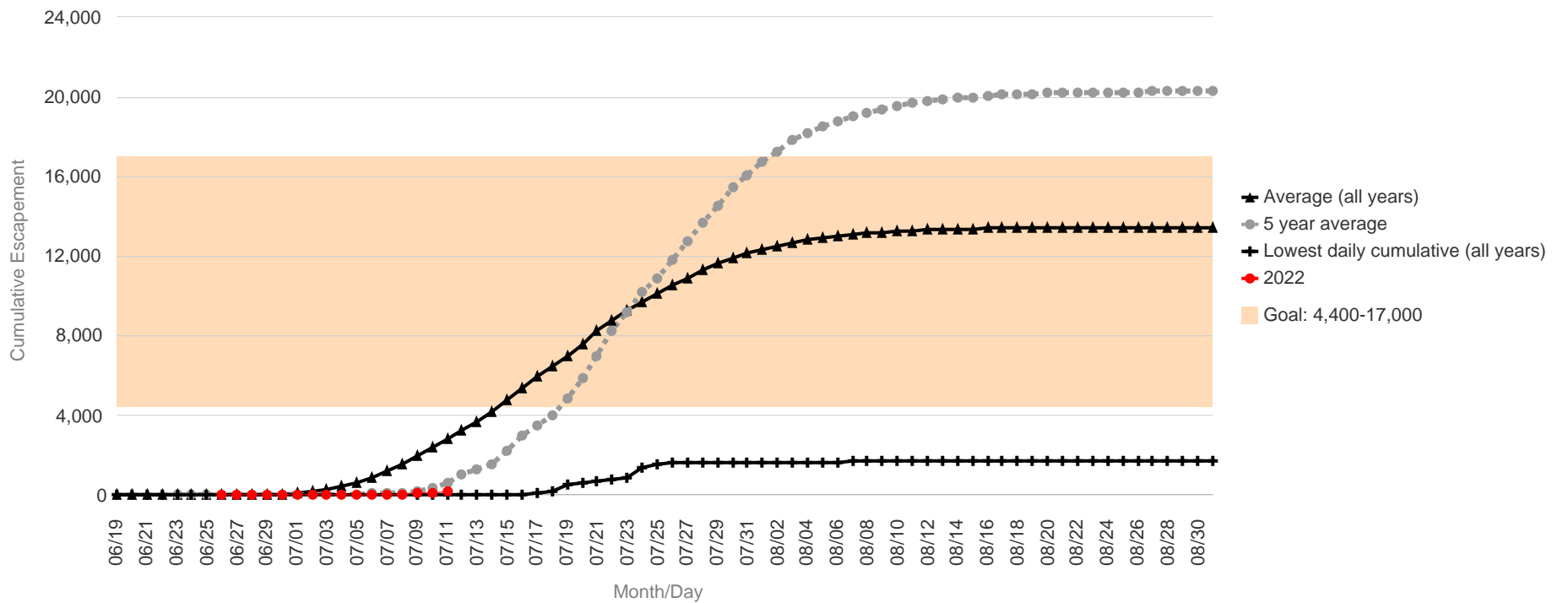
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	1	634	39	7
07/06	1	895	61	7
07/07	1	1,170	80	9
07/08	2	1,530	133	58
07/09	3	1,931	178	62
07/10	18	2,374	345	113
07/11	18	2,790	585	153
07/12	18	3,270	1,015	
07/13	18	3,705	1,257	
07/14	22	4,203	1,562	
07/15	32	4,745	2,214	
07/16	45	5,372	2,949	
07/17	82	5,943	3,493	
07/18	163	6,441	3,978	
07/19	560	6,981	4,848	

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

Focused Two-Week Data View



Season Total Overview

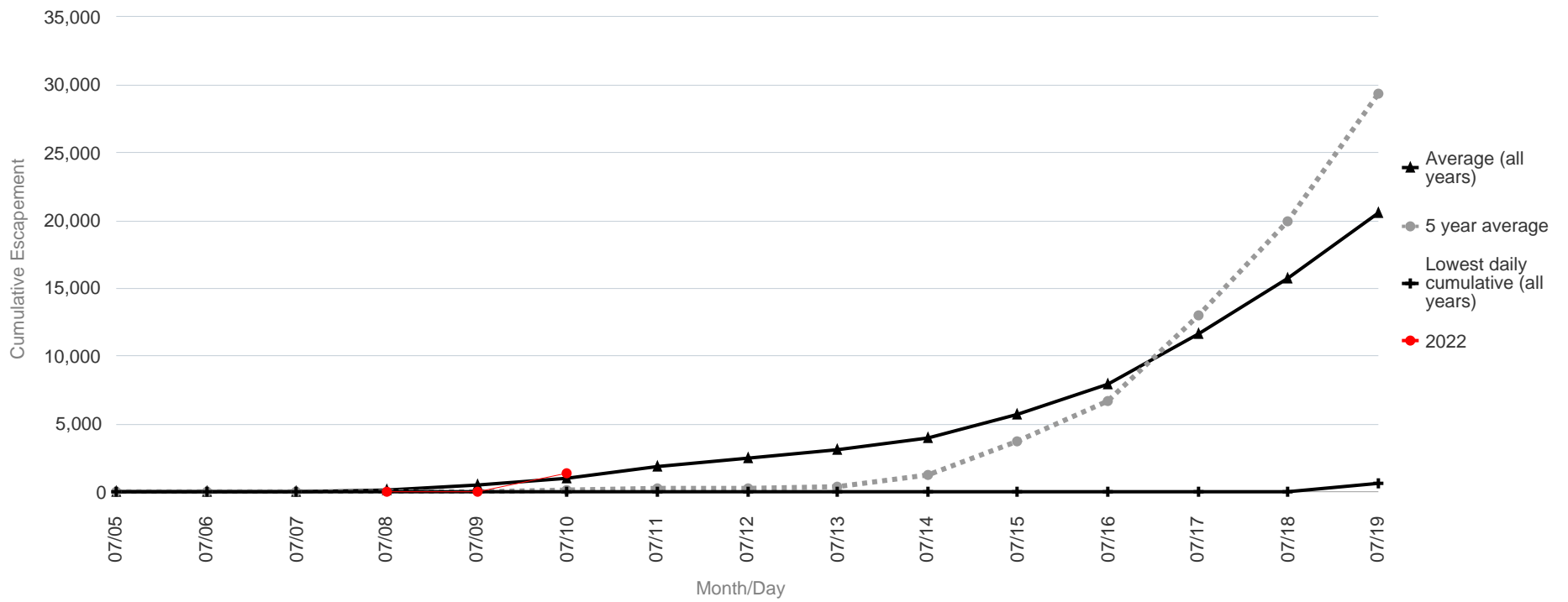


Telaquana River Salmon Monitoring Project Passage of Sockeye Salmon

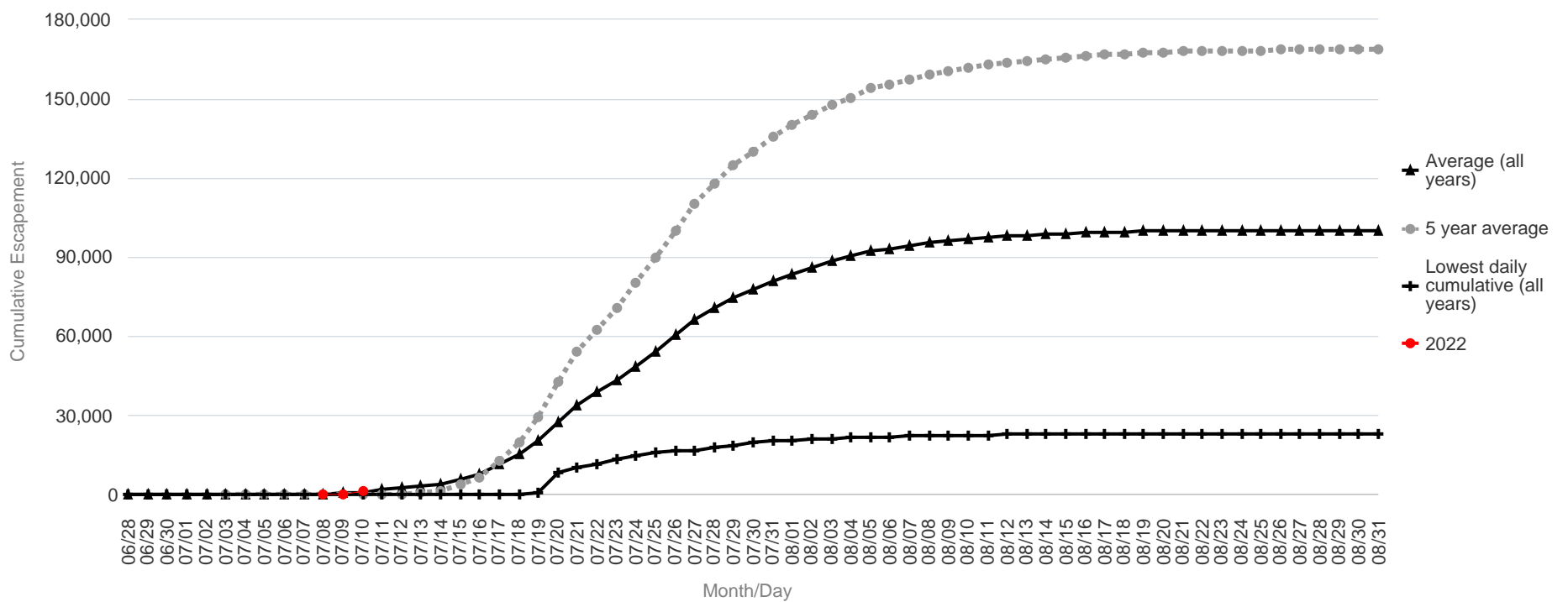
Date	Lowest daily cumulative (all years)	Average (all years)	5 year average	2022
07/05	0	0	0	
07/06	0	5	1	
07/07	0	30	10	
07/08	0	138	16	0
07/09	0	518	66	5
07/10	0	1,058	134	1,359
07/11	0	1,826	235	
07/12	0	2,519	249	
07/13	1	3,066	444	
07/14	1	3,985	1,300	
07/15	1	5,748	3,739	
07/16	3	7,952	6,758	
07/17	3	11,634	13,055	
07/18	36	15,687	19,894	
07/19	695	20,574	29,335	

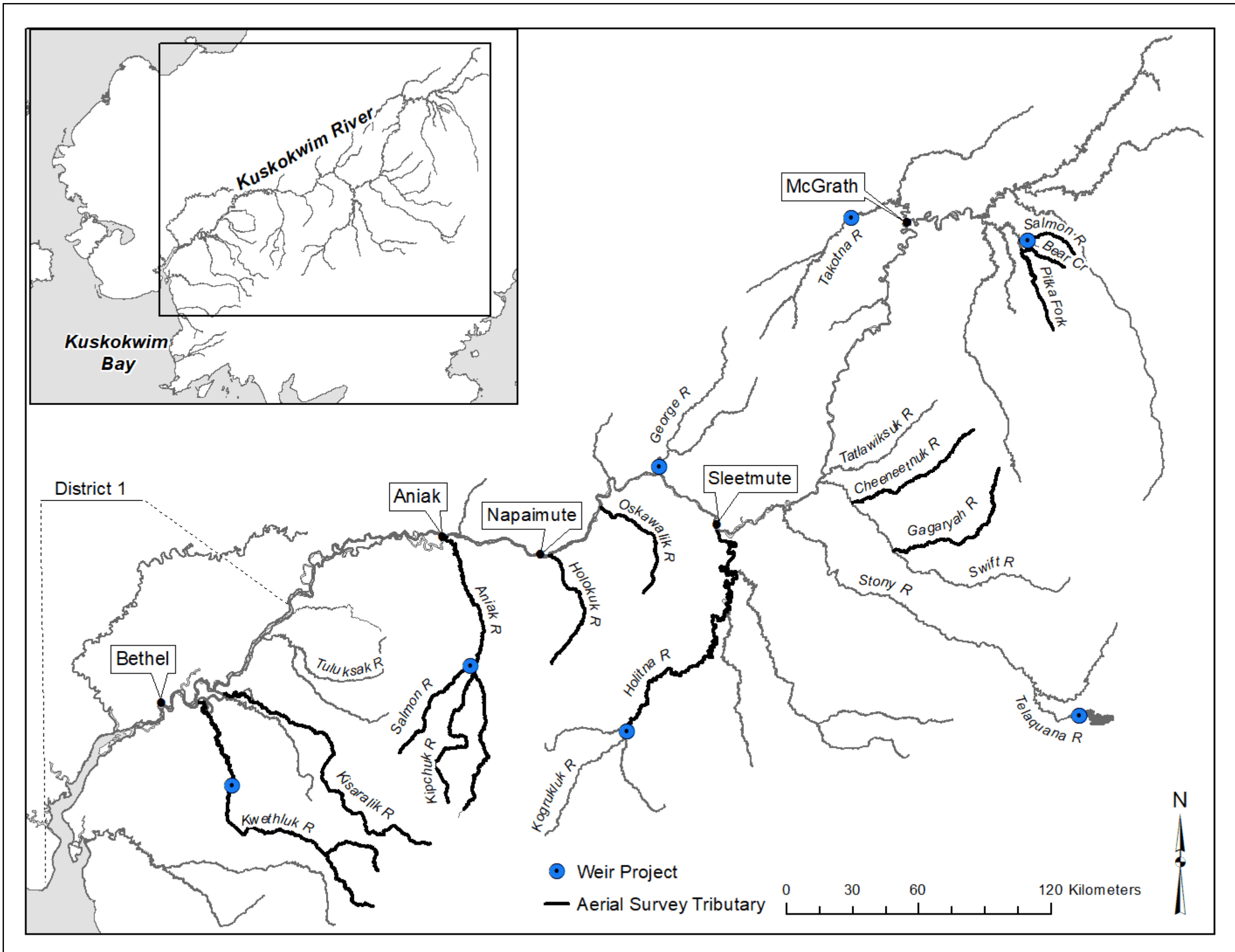
	Lowest Count	Average Count	5 Year Average
Season Total	23,007	100,280	168,520

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

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

Sunday, July 10, 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	75	12,364	146	3,425	30,531
Post June Shumagin Islands	1,627	53,006	146	9,769	17,495
Southeastern District Mainland	2	437	0	20	12
Northwest Stepovak Section (7/1-7/25)	0	0	0	0	0
Dolgoi Island Area1	14	30,056	0	152	1,056
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
	4,615	4,020,007	456	1,175,817	579,550

Appendix B2.—Map of South Unimak and Shumagin Islands June fisheries with areas open to fishing defined.

