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2021 NASS RIVER SALMON STOCK ASSESSMENT UPDATE – FRIDAY, 20 AUGUST

The following is the ninth general weekly public update for 2021 of Nass River salmon and summer-run steelhead stock assessments from the Nisga'a Lisims Government Fisheries and Wildlife Department.

All data presented in this update are preliminary and subject to change with further assessment information that becomes available and should be interpreted cautiously. For in-season assessment purposes only.

NASS RIVER ASSESSMENT OPERATIONS UPDATE

OPERATIONAL ASSESSMENT INFORMATION FOR 2021

1. Meziadin Fishway data: Count data from 1 July to 19 August.
   - Water temperature is 0.4°C cooler than average (16.0°C vs. 16.4°C) based on 1994–2020 operations.
   - Salmon counts to date are above average for med/large sockeye (182,028 vs. 103,000) and below average for Chinook (73 vs. 220) and Coho (19 vs. 101) based on 1994–2020 operations.
   - Projection to fishway based on Sockeye counts (182,028) to date and linear regression of in-season to final counts from 1994 to 2020 (r^2=0.85): 230,000 med/large Sockeye (95% CI: 181,000, 280,000), and above the escapement goal (approximately 160,000) for the first time since 2015.

MEZIADIN FISHWAY SUMMARY	SOCK	CHIN	COHO	STEEL	BULL TROUT	19-Aug-21
TOTAL COUNTS - MED/LARGE	**182,028**	**73**	**19**	**0**	**3**	
TOTAL COUNTS - SMALL (JACKS)	6,072	24	1	NA	NA	
TOTAL COUNTS - ALL	**188,100**	**97**	**20**	**0**	**3**	
AVERAGE COUNTS - MED/LARGE (1994-2020)	**103,000**	**220**	**101**	**0**	**4**	
TOTAL COUNTS OF FISHWHEEL TAG RECAPS	2,820	14	2	0	1	
FORECAST: REGRESSION - INSEASON TO FINAL COUNTS	**230,000**	**140**	**3,300**			
95% CI - lower	181,000	100	2,300			
95% CI - upper	280,000	180	4,300			
Regression r^2	0.85	0.95	0.17			

2. Kwinageese video-counting weir data: Count data from 13 July to 19 Aug.
   - Current water level is 0.02 m lower than average (0.18 vs 0.20 m) and water temperature is 3.2°C warmer than average (18.0°C vs. 14.8°C) based on 2009–2020 operations.
   - Salmon counts to date are above average for Sockeye and Chinook based on 2002–2020 operations.

KWINAGEESE WEIR SUMMARY	SOCK	CHIN	COHO	STEEL	BULL TROUT	19-Aug-21
TOTAL COUNTS - MED/LARGE	**3,431**	**572**	**0**	**0**	**7**	
TOTAL COUNTS - SMALL (JACKS)	0	0	0	NA	NA	
TOTAL COUNTS - ALL	**3,431**	**572**	**0**	**0**	**7**	
AVERAGE COUNTS - MED/LARGE (2002-2020)	**2,420**	**450**	**20**	**0**	**15**	
TOTAL COUNTS OF FISHWHEEL TAG RECAPS	26	53	0	0	0	

3. Fishwheel Assessment data: 31 May to 1 August. Data summary below.

GITWINKSIHLKW (GW) FISHWHEELS - NASS RIVER TEST FISHERY – STARTED IN 1994 [28th year]:

The Nass River test fishery fishwheels (FW1 and FW2) began operation on 31 May 2021 for tagging and historical catch index assessments for salmon and summer-run steelhead. All fish caught in the GW fishwheels were released alive after tagging and/or counting.

GW fishwheels are currently operating at 0.1 m lower than average water levels (1.6 m vs. 1.7 m) and 0.2°C cooler than average (9.5°C vs. 9.7°C) based on 1994–2020 operations. A chart of the water levels at the GW fishwheels follows the text summary that compares current levels to historical levels. High water shutdown periods occurred during high flow periods (mean flow was 3,300 m3/s and reached 5,050 m3/s) in June and early July (June 2-6 and June 21–July 3). Fish can slowly pass GW canyon when flow rates are less than 3,000 m3/s (<4.9 m); but typical unobstructed passage occurs below 2,000 m3/s (<3.4 m) and high capture efficiencies occur at 1,500 m3/s (2.5 m).

The water levels in June ranked the second highest (after 2007) experienced since the start of fishwheel operations in 1994 that resulted in too high-water conditions for upstream passage for most of June and early July (Table 1).

Table 1. Monthly mean water levels (m) at Gitwinksihlkw fishwheels, 2000-2021.

Month	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Mean (94-20)
June	3.1	2.7	3.8	3.5	3.2	3.8	3.4	3.5	4.0	3.0	3.2	2.9	3.6	4.8	2.8	4.1	2.6	3.5	3.8	3.1	2.6	2.6	2.1	2.9	1.8	2.0	3.1	4.5	3.2
July	2.9	2.6	3.2	2.6	1.9	3.0	3.2	3.0	2.6	2.4	2.3	2.2	2.6	4.0	2.6	2.8	1.8	2.1	3.5	1.7	2.0	1.7	1.6	1.7	1.4	1.5	2.7	2.9	2.5
Aug	2.5	2.0	2.1	2.1	1.6	2.3	2.4	1.9	2.0	1.2	1.7	1.7	1.4	1.8	2.3	1.6	1.4	1.8	1.7	1.2	1.1	1.5	1.1	1.6	1.0	1.8	3.1	2.2	1.8
Sep	1.5	1.8	1.2	1.3	1.2	1.4	2.3	1.1	1.7	1.3	0.9	1.3	1.3	1.3	1.0	1.2	0.9	3.9	0.9	0.7	0.7	0.8	1.1	1.1	0.3	1.0	1.4		1.3
Season	**2.7**	**2.3**	**2.6**	**2.5**	**1.9**	**2.6**	**2.8**	**2.5**	**2.7**	**2.2**	**2.2**	**2.1**	**2.3**	**3.1**	**2.5**	**2.6**	**1.7**	**2.7**	**2.7**	**1.9**	**1.8**	**1.8**	**1.6**	**2.0**	**1.3**	**1.7**	**2.7**	**3.3**	**2.3**

GREASE HARBOUR (GH) FISHWHEELS:

In 2021, three fishwheels are operating at Grease Harbour (upstream of Ts'im Anwiihlist), located approximately 16 km upstream of GW fishwheels. Start-up dates of the upper fishwheels was on 18 June (FW6), 6 July (FW3), and 7 July (FW5). The GH fishwheels are used for in-season mark-recapture tag recoveries of salmon, abundance estimates passing upstream, additional tagging (adult Chinook and Chum salmon, and Pacific Lamprey), and for selective harvesting when permitted by Nisga'a Lisims Government (not in 2021).

All Sockeye caught at all fishwheels to date have been released (60,811), as have the other salmon, steelhead and other fish caught. The total Nass fishwheel catches this year are above average for Sockeye, Coho, and Pacific Lamprey, and below average for other species. Total fishwheel catches of salmon, steelhead, and Pacific Lamprey to date are shown below including tagging results and jacks caught.

FISHWHEEL CATCH SUMMARIES	SOCK	CHIN	COHO	STEEL	PINK-ODD	CHUM	LAMP
FISHWHEEL TOTAL CATCH OF ADULTS	**60,811**	**3,479**	**6,970**	**113**	**14,656**	**12**	**1,283**
HISTORICAL AVG CUM CATCH (00-20) TO DATE	*37,900*	*4,200*	*6,900*	*380*	*19,780*	*50*	*600*
HISTORICAL AVG CUM TOTAL CATCH (00-20)	*42,000*	*4,200*	*13,000*	*1,000*	*25,000*	*130*	*700*
AVERAGE DAILY CATCH (5 D) OF ADULTS - GW	122	1	122	2	249	0	1
AVERAGE DAILY CATCH (5 D) OF ADULTS - GH	651	1	450	3	205	0	20
FISHWHEEL TOTAL TAGGED (OR ADIPOSE FIN MARKED)	7,977	2,254	1,427	98	0	5	536
FISHWHEEL TOTAL JACKS	4,092	1,757	54	NA	NA	NA	NA
HISTORICAL MEAN JACKS (00-20) TO DATE	*3,420*	*771*	*438*	*NA*	*NA*	*NA*	*NA*

Other adult species and juvenile salmon catches at the fishwheels to date include: 65 Dolly Varden (24 tagged), 65 Peamouth Chub, 28 Rainbow Trout, 23 Pikeminnow, 21 Cutthroat Trout, 21 Mountain Whitefish, 14 Sculpin, 12 Redside Shiners, 13 Suckers, 25 salmon smolts (12 Coho, 12 Chinook, 1 Sockeye), and 1 frog.

RUN SIZE AND ESCAPEMENT ESTIMATES FOR NASS SALMON & SUMMER-RUN STEELHEAD

In-season estimates of run size and projected forecasts to Gitwinksihlkw fishwheels for adult Nass salmon and summer-run steelhead are shown below and are based on in-season mark-recapture (sockeye, coho and summer-run steelhead) and historical catch index (Chinook) methods. Mark-recapture estimates will fluctuate over a 5-d period while mark-rates are obtained at the Grease Harbour fishwheels.

The current run sizes for 2021 are above average for Nass Sockeye and Coho, and below average for Chinook and summer-run steelhead when compared to returns from 1994 to 2020. Summer-run steelhead estimates began on 1 July and the run size target is based on a minimum return goal as steelhead will continue to enter the Nass River after the fishwheels shutdown in mid-September.

IN-SEASON RUN SIZE SUMMARIES	SOCK	CHIN	COHO	STEEL		19-Aug-21	
IN-SEASON RUN SIZE ESTIMATE TO DATE	**358,186**	**13,981**	**55,708**	**1,629**			
HISTORICAL MEAN RUN SIZE TO GW FOR DATE (94-20)	261,000	18,800	47,649	5,510			
RUN SIZE TARGET 2021 (MIN. FOR STEELHEAD)	***250,000***	***15,000***	***65,000***	***4,200***			

In-season preliminary forecast projections above Gitwinksihlkw are shown below. Estimates to Gitwinksihlkw are based on two methods, mean run timing and linear-regression of the in-season to final estimates to date. The current run size projection for Nass Sockeye to Gitwinksihlkw is 382,000 (range: 314,000–450,000) based in-season to final regression and mean-run timing is 93% (range: 84–99%) to date. Preliminary forecast projections for Nass Chinook, Coho, and summer-run steelhead to Gitwinksihlkw are 14,300 (range: 14,000–15,000), 97,000 (range: 67,000–126,000), and 7,000 (range: 4,000–9,000), respectively, based on in-season to final estimates and mean run timing (98% Chinook, 57% Coho, and 44% steelhead) to date. The Sockeye return has reached the run size target (250,000); but other species are currently below target.

IN-SEASON FORECASTS TO GW - METHODS:	SOCK	CHIN	COHO	STEEL		19-Aug-21	
1. RUN TIMING METHOD (94-20) - Mean Run timing	386,000	14,000	98,000	4,000			
Lower (-2 S.D.)	351,000	14,000	70,000	2,000			
Upper (+2 S.D.)	429,000	15,000	163,000	7,000		In-season/Final	
2. IN-SEASON TO FINAL (regression):	382,000	14,300	97,000	7,000		r^2 (CH) =	1.00
95% CI - lower	314,000	14,000	67,000	4,000		r^2 (SO) =	0.94
95% CI - upper	450,000	15,000	126,000	9,000		r^2 (CO)=	0.85
GW RUN SIZE TARGET (DEPENDING ON HARVESTS ABOVE GW)	*250,000*	*15,000*	*65,000*	*4,200*		r^2 (ST)=	0.75
Mean Run Timing % Return Estimate to GW fishwheels (94-20)	93%	98%	57%	44%			
Late run	84%	92%	37%	17%			
Early run	99%	100%	77%	71%			

Net Escapement Estimates for adult Nass salmon to date are shown below and relative to the Upper Nass net aggregate escapement goals pending final harvest estimates. Nass Sockeye, Chinook, and Coho salmon are close to reaching their aggregate net escapement targets for 2021. Upper Nass harvests include Gitanyow Nation harvests to Aug 17: 9,721 sockeye, 289 chinook, and 1 coho as reported by the Gitanyow Fisheries Authority on 17 August 2021. The Gitanyow Nation have also been approved an inland demonstration sale fishery by DFO using selective fishing gear that opened for one week starting on August 16 (DFO's public update – 17 Aug 2021). Those catches are not included in this report.

IN-SEASON NET ESCAPEMENT ESTIMATES	SOCK	CHIN	COHO	STEEL		19-Aug-21	
HARVEST ESTIMATES ABOVE GW TO DATE	21,175	1,259	182	1			
NET ESCAPEMENT (ABOVE GW):	**337,011**	**12,722**	**55,526**	**1,628**			
NET ESCAPEMENT TARGET (UPPER RIVER ONLY)	*200,000*	*13,000*	*60,000*	*4,000*			

The NFWD program carefully tracks Nass salmon and summer-run steelhead runs each year to ensure adequate numbers reach their spawning grounds (escapement). Due to low returns up to 10 July, the Nisga'a Lisims Government publicly announced the closure of the Nisga'a food fishery for Chinook Salmon for the rest of season starting on 15 July with no directed harvests permitted, and a 6-d closure of the Sockeye food fishery from 15 July to 20 July (6 pm) to allow upriver passage including early timed Meziadin Sockeye stocks, Hanna and Tintina creeks, that have had low returns in recent years. The closures were in response to very low returns

to 10 July compared to averages and lack of fish passing to the upper river to reaching spawning targets in mid-July (passage was only 26,000 Sockeye compared to 98,000 average and 736 Chinook compared to 14,500 average). The closures helped in passing Sockeye and Chinook to the Upper Nass; but Chinook continues to be below average (~5,000 fish) to 20 August based on returns from 1994 to 2020 (Tables 1 and 2).

Table 1. Weekly Nass Sockeye Salmon cumulative run size estimates passing Gitwinksihlkw and Grease Harbour in 2021 and compared to historical averages.

		Run passing Gitwinksihlkw			Cum Run passing Grease Harbour (after accounting for escapement and catch below)		
Wk	End date	Cum 2021	Mean Cum (94-20)	Diff.	Cum 2021	Mean Cum (94-20)	Diff.
23	05-Jun	0	400	-400	0	300	-300
24	12-Jun	20	2,000	-2,000	19	1,700	-2,000
25	19-Jun	160	12,000	-12,000	155	11,200	-11,000
26	26-Jun	180	38,000	-38,000	174	36,400	-36,000
27	03-Jul	830	73,000	-72,000	790	70,200	-69,000
28	10-Jul	27,990	103,000	-75,000	25,921	97,600	-72,000
29	17-Jul	143,090	128,000	15,000	137,019	117,500	20,000
30	24-Jul	200,400	161,000	39,000	192,303	147,500	45,000
31	31-Jul	257,650	199,000	59,000	248,066	182,500	66,000
32	07-Aug	314,430	229,000	85,000	303,701	209,600	94,000
33	14-Aug	344,870	251,000	94,000	333,416	230,200	103,000
34	21-Aug	358,190	264,000	94,000	346,736	242,700	104,000

Table 2. Weekly Nass Chinook Salmon cumulative run size estimates passing Gitwinksihlkw and Grease Harbour in 2021 and compared to historical averages.

		Run passing Gitwinksihlkw			Cum Run passing Grease Harbour (after accounting for escapement and catch below)		
Wk	End date	Cum 2021	Mean Cum (94-20)	Diff.	Cum 2021	Mean Cum (94-20)	Diff.
23	05-Jun	0	100	-100	0	20	0
24	12-Jun	80	500	-400	41	300	-300
25	19-Jun	280	2,700	-2,400	187	2,300	-2,100
26	26-Jun	290	7,500	-7,200	174	6,800	-6,600
27	03-Jul	290	12,900	-12,600	165	11,800	-11,600
28	10-Jul	1,130	16,100	-15,000	736	14,500	-13,800
29	17-Jul	12,220	17,400	-5,200	9,917	14,400	-4,500
30	24-Jul	13,220	17,900	-4,700	10,704	14,700	-4,000
31	31-Jul	13,570	18,200	-4,600	10,981	14,900	-3,900
32	07-Aug	13,610	18,400	-4,800	11,007	15,100	-4,100
33	14-Aug	13,920	18,600	-4,700	11,280	15,200	-3,900
34	21-Aug	13,980	18,800	-4,800	11,332	15,400	-4,100

HARVEST ESTIMATES FOR ADULT NASS SALMON & STEELHEAD

ALASKAN FISHERIES IN SE ALASKA (information courtesy from ADFG's website):

The 2021 Alaskan Southeast fisheries started on 20 June for gillnet fisheries in District 101 (Tree Point) and District 106 (Sumner and Upper Clarence), and seine fisheries in District 102 (Middle Clarence). District 101 (Lower Clarence), District 103 (Cordova), and District 104 (Noyes/Dall) seine fisheries opened on 4 July, 18 July, and 11 July, respectively. The table below shows the current estimates of catches of salmon in Alaskan net fisheries in Districts 101–106 (and mean catch comparisons from 2000 to 2020) to **20 August 2021** based on data from ADFG. ADFG also reported on 8 August, the current Hugh Smith sockeye return "projects a total escapement of 3,000 sockeye salmon, well below the optimal escapement goal range of 8,000–18,000 sockeye salmon" and ADFG will continue to monitor and take management actions in District 1 if needed.

IN-SEASON SE ALASKAN CUM. SALMON CATCH ESTIMATES (ADFG WEBSITE) - 2021											WEEK END:	21-Aug-21
DISTRICTS	AREA	SOCK CATCH	AVG (00-20)	CHIN CATCH	AVG (00-20)	PINK CATCH	AVG ODD (00-19)	CHUM CATCH	AVG (00-20)	COHO CATCH	AVG (00-20)	
DIST 101 GN	TREE PT	18,400	59,000	1,800	1,400	93,100	347,800	162,500	202,000	18,500	15,900	
DIST 106 GN	UPP. CLAR	35,100	77,000	600	1,400	110,600	358,000	99,200	138,000	28,600	60,000	
DIST 101 SN	LOW CLAR	69,800	52,500	0	700	6,862,000	4,696,000	146,000	235,000	35,000	29,000	
DIST 102 SN	MID CLAR.	34,700	33,000	0	800	4,924,000	3,511,700	332,700	393,000	30,400	37,900	
DIST 103 SN	CORDOVA	18,100	21,000	100	350	2,640,700	2,939,000	121,700	86,000	17,000	21,000	
DIST 104 SN	NOYES/DALL	381,000	254,000	6,000	5,800	9,019,000	5,926,000	195,000	163,000	91,000	64,000	
CUMULATIVE TOTAL		**557,000**	**497,000**	**9,000**	**10,000**	**23,650,000**	**17,779,000**	**1,057,000**	**1,217,000**	**221,000**	**228,000**	

The average harvest of Nass salmon in Alaskan net fisheries from 2000 to 2020 was 108,000 Sockeye (range: 22,000–304,000), 63,000 Pink (range: 4,000–192,000), 143,000 Coho (range: 57,000–491,000), and 6,600 Chum (<500–24,000). Of the total in-season Sockeye catch reported in the SE Alaskan fisheries in 2021 to date 557,000), approximately 15% (86,000) is estimated as Nass origin based on mean stock composition estimates from 1982 to 2020 and is currently below average (95,000) to date.

CANADIAN COMMERCIAL NET & RECREATIONAL FISHERIES IN AREA 3 (information courtesy from DFO Prince Rupert):

On 29 June, DFO announced significant commercial salmon closures throughout BC in 2021 as part of DFO's Pacific Salmon Strategy Initiative (PSSI; https://www.canada.ca/en/fisheries-oceans/news/2021/06/minister-jordan-announces-long-term-commercial-closures-and-licence-tetirement-program-in-effort-to-save-pacific-salmon.html). The salmon closures are in response to significant declines in BC salmon stocks due to recent ocean warming and poor survival conditions. As a result of DFO's PSSI announcement, the Area C Gillnet fishery did not proceed in 2021 in Area 3 and commercial fisheries targeting Nass Sockeye, Coho and Chinook salmon were not permitted. The closures are a start to rebuild Nass Area salmon stocks to historical levels. The pre-season forecast for Nass salmon in 2021 was ranked as the 8th poorest return over a 30-year period (1992–2021).

On 15 July, DFO announced the closure of recreational (sport) freshwater fishing for salmon in the Nass River watershed from 16-30 July in response to low Chinook returns to the Nass River and Nisga'a Lisims Government's closure of Nisga'a food, social, and ceremonial fisheries from 15-20 July. The sport fishery reopened on 30 July. The Upper Nass Chinook return continues to be below escapement target.

Although commercial gillnet closures were announced above, DFO opened four commercial seine fisheries in outside Area 3 (Areas 3-3 and 3-7) in July (12 July, 19 July, 20 July, and 30 July) to target Pink Salmon with Chum Salmon retention allowed, and one demonstration fishery on 22 July (Pink retention only). Total harvests from the Area 3 seine fisheries to date are shown below with over 172,251 Pinks and 13,925 Chum harvested.

GEAR	DATE	Vessel days	SO-harv	SO-Rel	CO-HARV	CO-Rel	PK-HARV	PK-Rel	Chum-harv	Chum-Rel	CH-harv	CH-Rel	STEEL-Rel
SN	2021-07-12	17	0	1,120	0	227	8,422	0	4,063	0	0	76	0
	2021-07-19	18	0	1,498	0	230	64,150	0	5,463	0	0	30	50
	2021-07-20	17	0	1,045	0	137	50,403	0	4,399	0	0	31	41
	2021-07-22	2	0	639	0	102	13,234	0	0	1,297	0	25	2
	2021-07-30	20	0	483	0	410	36,042	0	0	1,798	0	22	0
SN Total		74	0	4,785	0	1,106	172,251	0	13,925	3,095	0	184	93

LABELS: SO=SOCKEYE, PK=PINK, CO=COHO, CH=CHINOOK; HARV=HARVESTED, REL=RELEASED.

Concerns were raised by NFWD's Fisheries and Wildlife Director to DFO regarding the overall return status of Nass Sockeye salmon over the past five years including the second lowest return in 2020 since 1967 (Fig. 1); and low return status of Nass Area odd-year Pink Salmon in recent years including 2019 (which did not reach aggregate escapement goal and will be the brood year fished; Fig. 2). DFO and NFWD continue to be engaged in salmon escapement surveys to track current returns of Nass salmon to spawning areas in Area 3 and in-river.

DFO's recent announcement on 20 August 2021 (FN0827) indicates a cautious approach to future commercial fisheries for Nass Area Pink Salmon in Area 3: "recent assessment of the Pink indicator systems in Area 3 (Khutzeymateen, Kwinamass, Toon, Ensheshe, and Iknouk) show improvement over the brood years, however they fall short of escapement targets for 2021. Any further opportunity will be dependent on the results of ongoing assessments."

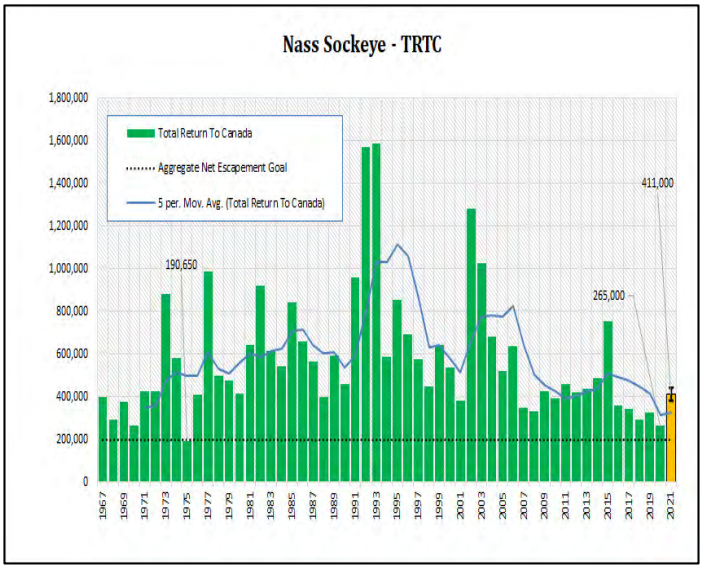

Figure 1. Nass sockeye salmon total returns to Canada from 1967 to 2020 and currently projected for 2021. The aggregate escapement goal (200,000) is black dashed line.

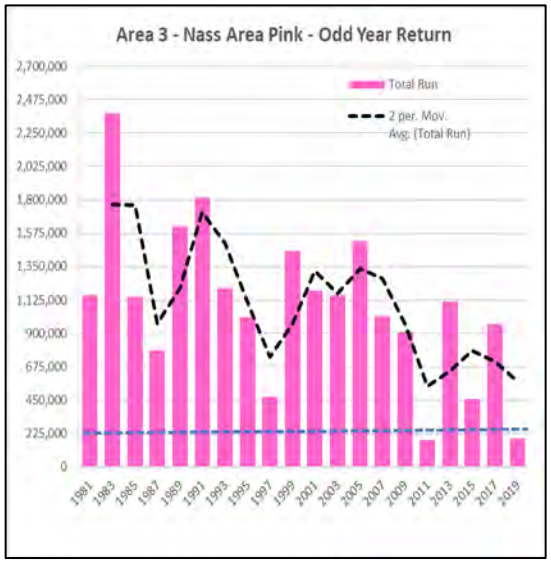

Figure 2. Declining trend of total returns of odd-year Nass Area Pink Salmon in Area 3 from 1981 to 2019 and the aggregate escapement goal (225,000; blue dashed line).

NISGA'A FOOD, SOCIAL, CEREMONIAL (FSC) AND ECONOMIC FISHERIES:

Nisga'a domestic and sale fisheries are monitored by the Nisga'a Fisheries and Wildlife Department and salmon/steelhead catch monitoring began on 1 May 2021. Due to low Nass salmon returns projected for 2021 and expected food, social and ceremonial catches, no sale fisheries were planned in Nisga'a fisheries.

Cumulative harvests in Nisga'a fisheries to week ending **14 AUGUST 2021** are shown in the table below for Food, Social, and Ceremonial (FSC) catches. The current harvests of Nass salmon and steelhead estimated in 2021 for Nisga'a fisheries are currently above average for food, social, and ceremonial fisheries (~46,000 vs. 39,000) but below average for total harvests since 2000 (~47,000 vs. 108,000) when including Nisga'a Treaty economic fisheries from 2000 to 2020.

NISGA'A NATION CUMULATIVE DOMESTIC (FSC) AND TOTAL CATCH SUMMARY FOR NASS SALMON AND STEELHEAD, 2021.

Reported Week Ending Period		DOMESTIC (FSC) HARVESTS TO WK END - 2021		TOTAL HARVESTS TO DATE INCLUDING ESTIMATED RELEASE MORTALITIES 2021	
NASS SPECIES	Wk end	**Harvest**	Mean*	**Harvest**	Mean*
CHINOOK	14-Aug-21	**5,369**	5,000	**5,473**	5,800
SOCKEYE	14-Aug-21	**37,995**	30,400	**37,995**	79,500
PINK	14-Aug-21	**2,228**	3,152	**3,203**	15,350
COHO	14-Aug-21	**674**	1,851	**698**	6,672
CHUM	14-Aug-21	**8**	550	**15**	550
STEELHEAD	14-Aug-21	**28**	286	**34**	286
TOTAL		**46,302**	41,200	**47,418**	108,000

* Total mean harvests from 2000-2020 for week end periods also include historical sale fisheries. Total harvests include all gear types estimates (net, angling, seine, etc.) and release mortality (60% of releases).

TOTAL RETURN TO CANADA (TRTC) AND NISGA'A ENTITLEMENT ESTIMATES FOR NASS SALMON

Pre-season TRTC and Nisga'a entitlement forecasts:

Pre-season forecasts for Nass salmon and Nisga'a entitlement allocations for 2021 were calculated using pre-season forecast models based on Nass salmon return and age information from 2020. The pre-season forecasts were used for general planning purposes until in-season forecasts were available. Forecast models used were a combination of sibling (Sockeye and Chinook only) and brood year mean returns that project 25%, 50%, and 75% probability point estimates.

Pre-season TRTC forecasts (50% probability estimates) for 2021 predicted well below average return forecasts for Nass Sockeye (318,000 vs. 609,000), Nass Chinook (25,000 vs. 31,000), Nass odd-year Pink (395,000 vs. 551,000); Nass Chum (39,000 vs. 52,000; projected to below the 45,000-escapement goal), and Nass Coho (150,000 vs. 187,000) based on mean TRTC returns from 1994 to 2020.

PRE-SEASON TRTC & ENTITLEMENT FORECASTS	SOCK	CHIN	COHO	PINK-ODD	CHUM
HISTORICAL MEAN TRTC (1994-2020)	609,000	31,000	187,000	551,000	52,000
PRE-SEASON TRTC FORECAST (50% PROBABILITY)	**318,000**	**25,000**	**150,000**	**395,000**	**39,000**
75% probability	217,000	19,000	88,000	176,000	25,000
25% probability	469,000	33,000	280,000	888,000	62,000
TOTAL PRE-SEASON NISGA'A CATCH POTENTIAL	**44,000**	**5,300**	**12,000**	**28,000**	**3,100**
75% probability	17,000	4,000	7,000	1,000	<500
25% probability	78,000	6,900	19,200	104,000	5,000

When reviewing Nass salmon returns over a 30-year period and forecasted for 2021 (1994-2021), the pre-season forecast projections predicted 2021 to be poor (i.e.,> 40% less than average returns or below escapement goal) for Sockeye (3rd worst), Pink (14th worst), and Chum (17th worst), and fair for Chinook (11th worst) and Coho (15th worst). The overall return of Nass salmon in 2021 (927,000 vs. 1,430,000 average) is predicted to be the 8th worst return in 30 years.

Total Return to Canada estimates for Nass Salmon							Ranking - Poorest return from 1 to 30					
Year	Sockeye	Pink	Chinook	Coho	Chum	Total	Sockeye	Pink	Chinook	Coho	Chum	Total
1992	1,572,000	328,000	35,000	160,000	54,000	2,149,000	29	11	20	16	20	28
1993	1,586,000	874,000	45,000	62,000	239,000	2,806,000	30	23	28	2	30	30
1994	590,000	184,000	43,000	351,000	105,000	1,273,000	20	6	25	28	28	15
1995	855,000	829,000	22,000	68,000	83,000	1,857,000	26	22	8	3	26	23
1996	694,000	465,000	42,000	126,000	40,000	1,367,000	24	18	24	8	18	16
1997	574,000	416,000	36,000	33,000	31,000	1,090,000	19	16	21	1	14	12
1998	446,000	143,000	46,000	72,000	182,000	889,000	14	3	29	4	29	7
1999	645,000	1,259,000	29,000	107,000	68,000	2,108,000	22	29	15	6	24	26
2000	539,000	292,000	33,000	134,000	26,000	1,024,000	18	10	17	11	13	10
2001	380,000	995,000	48,000	247,000	36,000	1,706,000	9	27	30	23	16	22
2002	1,279,000	365,000	28,000	319,000	18,000	2,009,000	28	13	13	27	7	25
2003	1,024,000	1,019,000	44,000	176,000	76,000	2,339,000	27	28	26	18	25	29
2004	681,000	696,000	33,000	136,000	58,000	1,604,000	23	19	17	12	21	19
2005	522,000	1,348,000	28,000	216,000	33,000	2,147,000	17	30	13	21	15	27
2006	637,000	136,000	44,000	130,000	60,000	1,007,000	21	2	26	10	22	9
2007	351,000	896,000	40,000	179,000	13,000	1,479,000	7	24	23	19	4	18
2008	333,000	51,000	30,000	139,000	3,800	556,800	5	1	16	13	1	1
2009	425,000	810,000	39,000	362,000	22,000	1,658,000	12	21	22	29	8	21
2010	392,000	185,000	27,000	184,000	9,000	797,000	10	7	12	20	3	5
2011	458,000	174,000	18,000	129,000	7,000	786,000	15	4	4	9	2	4
2012	419,000	270,000	16,000	164,000	16,000	885,000	11	9	2	17	6	6
2013	437,000	976,000	16,000	510,000	15,000	1,954,000	13	26	2	30	5	24
2014	487,000	399,000	23,000	267,000	22,000	1,198,000	16	15	10	24	8	13
2015	753,000	422,000	33,000	146,000	60,000	1,414,000	25	17	17	14	22	17
2016	362,000	349,000	18,000	288,000	24,000	1,041,000	8	12	4	25	10	11
2017	341,000	926,000	11,000	302,000	24,000	1,604,000	6	25	1	26	10	19
2018	294,000	256,000	22,000	89,000	50,000	711,000	2	8	8	5	19	2
2019	326,000	175,000	20,000	218,000	25,000	764,000	4	5	6	22	12	3
2020	265,000	744,000	21,000	123,000	104,000	1,257,000	1	20	7	7	27	14
2021	318,000	395,000	25,000	150,000	39,000	927,000	3	14	11	15	17	8
Average:												
92-20	609,000	551,000	31,000	187,000	52,000	1,430,000						

* Color coding from mean averages from 1992-2020: Green - above average; Yellow - below average but higher than 1 SD; and Red - below average and lower than 1 SD.

In-season Total Return to Canada (TRTC) and Nisga'a entitlement estimates for Nass salmon:

IN-SEASON TRTC & ENTITLEMENT ESTIMATES - PRELIMINARY	SOCK	CHIN	COHO	PINK-ODD	CHUM
PROJECTED TRTC BASED ON INSEASON TO FINAL REGRESSION	**411,000**	**23,000**	**158,000**	**374,000**	**33,000**
Lower (95% CI)	382,000	23,000	113,000	240,000	24,000
Upper (95% ci.)	441,000	24,000	260,000	507,000	42,000
ESTIMATED %TRTC TO DATE: MEAN. RUN TIMING (AREA 3D)	93%	98%	48%	72%	43%
Late run	85%	91%	28%	38%	21%
Early run	99%	100%	65%	90%	60%
IN-SEASON NISGA'A ENTITLEMENT TARGET	**65,000**	**4,800**	**13,000**	**24,000**	**3,000**
Lower (95% CI)	59,000	4,800	9,000	3,000	<500
Upper (95% ci.)	72,000	5,000	19,000	45,000	3,000

The current in-season TRTC estimates estimated by NFWD are:

1) Nass Sockeye is ranging between 382,000 and 441,000 with a point estimate of 411,000 (vs. 609,000 average return),
2) Nass Chinook is ranging between 23,000 and 24,000 with a point estimate of 23,000 (vs. 31,000 average return),
3) Nass Coho is ranging between 113,000 and 260,000 with a point estimate of 158,000 (vs. 187,000 average return),
4) Nass Area Pink is ranging between 240,000 and 507,000 with a point estimate of 374,000 (vs. 551,000 average odd year return); and
5) Nass Area Chum is ranging between 24,000 and 42,000 with a point estimate of 33,000 (vs. 52,000 average return).

The TRTC estimates are based on run size projections from in-season to final regression methods and run timing ranges to Area 3 to date for Nass Sockeye (93%; range: 85–99%), Chinook (98%; range: 91–100%, including lower/coastal stocks based on habitat capacity proportions), and Coho (48%; range: 28–65%, including lower/coastal stocks based on habitat capacity proportions). For Pink TRTC estimates, escapement projections are from linear regression estimates from spawning counts (Iknouk and Dogfish; r^2=0.85, n=24 years) and mean proportions of Nass Pink from commercial catches (22%; range: 9–44%). For Chum TRTC estimates, escapement projections are from linear regression estimates from spawning counts (currently Stagoo River; r^2=0.61, n=66 years) and low harvest rates based on few commercial fisheries in Area 3. Currently, in-season TRTC and Nisga'a entitlement estimates for Nass Sockeye and Coho are higher than pre-season forecasts and lower for Nass Chinook, Pink and Chum.

Nisga'a entitlement ranges for 2021 catch potential to date are based on TRTC estimates and early to late run ranges as follows to 14 August:

- Nass Sockeye is between 59,000 and 72,000 with point estimate 65,000. Current harvest estimate is 37,995 (with no release mortalities);
- Nass Chinook is between 4,800 and 5,000 with point estimate 4,800. Current harvest is 5,369 (plus 104 estimated release mortalities);
- Nass Coho is between 9,000 and 19,000 with point estimate 13,000. Current harvest is 674 (plus 24 estimated release mortalities);
- Nass Pink is between 3,000 and 45,000 with point estimate 24,000. Current harvest is 2,228 (plus 975 estimated release mortalities);
- Nass Chum is between <500 and 3,000 with point estimate 3,000. Current harvest is 8 (plus 7 estimated release mortalities); and
- Nass steelhead, upper limit is 1,000 summer-run and no limit set for winter/spring run, with current harvest of 28 (plus 6 estimated release mortality).

The total harvest summary of Nass salmon and steelhead to 14 August in all Nisga'a fisheries is as follows:

NISGA'A TOTAL HARVEST SUMMARY	SOCK	CHIN	COHO	PINK-ODD	CHUM	STEEL
MARINE SALE FISHERY TOTAL	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
IN-RIVER SALE FISHERY TOTAL	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
INDIVIDUAL SALE (IS) FISHERY TOTAL	**CLOSED**	**CLOSED**	**CLOSED**	**CLOSED**	**CLOSED**	**CLOSED**
NLG COMMUNAL SELECTIVE TREATY FISHERY - GH FISHWHEELS	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
NLG COMMUNAL SELECTIVE TREATY FISHERY - SEINE	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
DOMESTIC (FSC) GILLNET FISHERY - WK END: AUG 14	**37,995**	**5,473**	**698**	**3,203**	**15**	**34**
SUB TOTAL (NLG TREATY FISHERIES)	**37,995**	**5,473**	**698**	**3,203**	**15**	**34**
NLG SOCK DEMONSTRATION FISHERY HARVEST - DFO INVENTORY	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
GRAND TOTAL	**37,995**	**5,473**	**698**	**3,203**	**15**	**34**

The next Nass River general stock assessment update from the Nisga'a Fisheries and Wildlife Department is planned for: **Friday, 27 August 2021.**

Nass stock assessment updates are available at the following links (no passwords are required):

Weekly email updates are posted after each update to DFO and NLG's websites:

- DFO: http://www.pac.dfo-mpo.gc.ca/fm-gp/northcoast-cotenord/nass-eng.html
- NLG: http://www.nisgaanation.ca/stock-assessments
- Daily: ftp://ftp.lglsidney.com//Nass Stock Assessment Updates

Photo 1. Chinook Salmon caught, operculum and PIT tagged at Gitwinksihlkw fishwheels on 17 August 2021.

Photo 2. Chinook Salmon caught, operculum and PIT tagged at Gitwinksihlkw fishwheels on 20 August 2021.

Photo 3. Sockeye Salmon caught and spaghetti/PIT tagged at Gitwinksihlkw fishwheels on 16 (top), 19 (middle), 20 (bottom) August 2021.

Photo 4. Pink Salmon caught and adipose fin-punched at Gitwinksihlkw fishwheels on 14 (top) and 19 (bottom) August 2021.

Photo 5. Coho salmon anchor and PIT tag recapture at Gitwinksihlkw fishwheels on 16 (top) and 19 (bottom) August 2021.

Photo 6. Summer-run steelhead caught and fin marked at Gitwinksihlkw fishwheels on 17(top) and 20 (bottom) August 2021.

Photos courtesy of NFWD's senior crew leader, Ben Guno Jr, and other staff.

Nisga'a Lisims Government

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New Aiyansh BC / Canada V0J 1A0
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2021 NASS STOCK ASSESSMENT UPDATE

FISHWHEEL OPERATIONAL DATA TO:	19-Aug-21
WATER LEVEL FOR DATE AT GITWINKSIHLKW (m)	1.6
HISTORICAL LEVEL FOR DATE - MEAN 94-20 (m)	1.7
WATER TEMPERATURE FOR DATE AT GITWINKSIHLKW (m)	9.5
HISTORICAL WATER TEMP FOR DATE - MEAN 94-20 (m)	9.7

FISHWHEEL CATCH SUMMARIES	SOCK	CHIN	COHO	STEEL	PINK-ODD	CHUM	LAMP
FISHWHEEL TOTAL CATCH OF ADULTS	**60,811**	**3,479**	**6,970**	**113**	**14,656**	**12**	**1,283**
HISTORICAL AVG CUM CATCH (00-20) TO DATE	*37,900*	*4,200*	*6,900*	*380*	*19,780*	*50*	*600*
HISTORICAL AVG CUM TOTAL CATCH (00-20)	*42,000*	*4,200*	*13,000*	*1,000*	*25,000*	*130*	*700*
AVERAGE DAILY CATCH (5 D) OF ADULTS - GW	122	1	122	2	249	0	1
AVERAGE DAILY CATCH (5 D) OF ADULTS - GH	651	1	450	3	205	0	20
FISHWHEEL TOTAL TAGGED (OR ADIPOSE FIN MARKED)	7,977	2,254	1,427	98	0	5	536
FISHWHEEL TOTAL JACKS	4,092	1,757	54	NA	NA	NA	NA
HISTORICAL MEAN JACKS (00-20) TO DATE	*3,420*	*771*	*438*	*NA*	*NA*	*NA*	*NA*

IN-SEASON RUN SIZE SUMMARIES	SOCK	CHIN	COHO	STEEL		19-Aug-21	
IN-SEASON RUN SIZE ESTIMATE TO DATE	**358,186**	**13,981**	**55,708**	**1,629**			
HISTORICAL MEAN RUN SIZE TO GW FOR DATE (94-20)	261,000	18,800	47,649	5,510			
RUN SIZE TARGET 2021 (MIN. FOR STEELHEAD)	***250,000***	***15,000***	***65,000***	***4,200***			

IN-SEASON FORECASTS TO GW - METHODS:	SOCK	CHIN	COHO	STEEL		19-Aug-21	
1. RUN TIMING METHOD (94-20) - Mean Run timing	386,000	14,000	98,000	4,000			
Lower (-2 S.D.)	351,000	14,000	70,000	2,000			
Upper (+2 S.D.)	429,000	15,000	163,000	7,000		In-season/Final	
2. IN-SEASON TO FINAL (regression):	382,000	14,300	97,000	7,000		r^2 (CH) =	1.00
95% CI - lower	314,000	14,000	67,000	4,000		r^2 (SO) =	0.94
95% CI - upper	450,000	15,000	126,000	9,000		r^2 (CO)=	0.85
GW RUN SIZE TARGET (DEPENDING ON HARVESTS ABOVE GW)	*250,000*	*15,000*	*65,000*	*4,200*		r^2 (ST)=	0.75
Mean Run Timing % Return Estimate to GW fishwheels (94-20)	93%	98%	57%	44%			
Late run	84%	92%	37%	17%			
Early run	99%	100%	77%	71%			

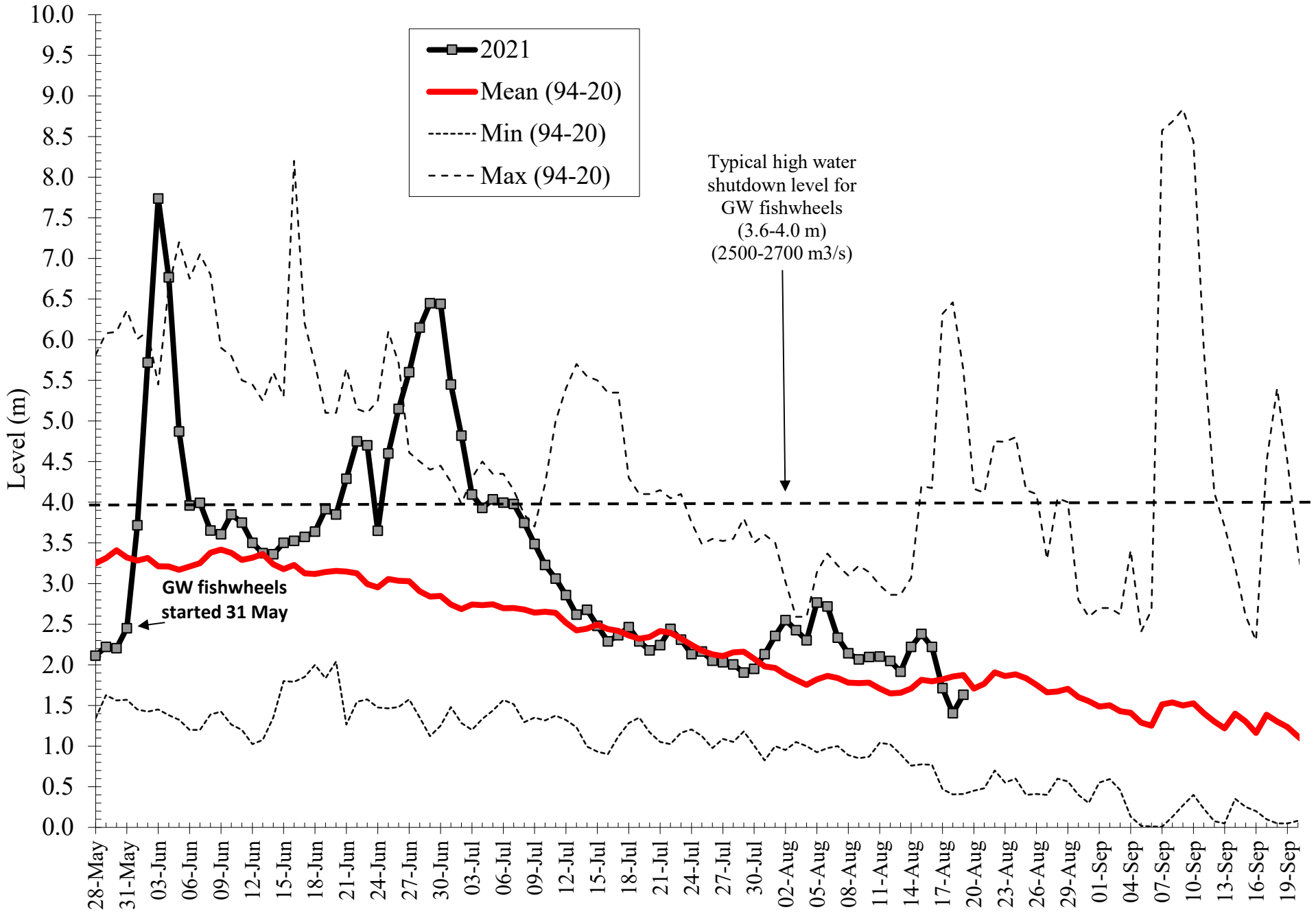
IN-SEASON NET ESCAPEMENT ESTIMATES	SOCK	CHIN	COHO	STEEL		19-Aug-21	
HARVEST ESTIMATES ABOVE GW TO DATE	21,175	1,259	182	1			
NET ESCAPEMENT (ABOVE GW):	**337,011**	**12,722**	**55,526**	**1,628**			
NET ESCAPEMENT TARGET (UPPER RIVER ONLY)	*200,000*	*13,000*	*60,000*	*4,000*			

NISGA'A TOTAL HARVEST SUMMARY	SOCK	CHIN	COHO	PINK-ODD	CHUM	STEEL
MARINE SALE FISHERY TOTAL	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
IN-RIVER SALE FISHERY TOTAL	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
INDIVIDUAL SALE (IS) FISHERY TOTAL	**CLOSED**	**CLOSED**	**CLOSED**	**CLOSED**	**CLOSED**	**CLOSED**
NLG COMMUNAL SELECTIVE TREATY FISHERY - GH FISHWHEELS	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
NLG COMMUNAL SELECTIVE TREATY FISHERY - SEINE	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
DOMESTIC (FSC) GILLNET FISHERY - WK END: AUG 14	**37,995**	**5,473**	**698**	**3,203**	**15**	**34**
SUB TOTAL (NLG TREATY FISHERIES)	**37,995**	**5,473**	**698**	**3,203**	**15**	**34**
NLG SOCK DEMONSTRATION FISHERY HARVEST - DFO INVENTORY	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED
GRAND TOTAL	**37,995**	**5,473**	**698**	**3,203**	**15**	**34**

PRE-SEASON TRTC & ENTITLEMENT FORECASTS	SOCK	CHIN	COHO	PINK-ODD	CHUM
HISTORICAL MEAN TRTC (1994-2020)	609,000	31,000	187,000	551,000	52,000
PRE-SEASON TRTC FORECAST (50% PROBABILITY)	**318,000**	**25,000**	**150,000**	**395,000**	**39,000**
75% probability	217,000	19,000	88,000	176,000	25,000
25% probability	469,000	33,000	280,000	888,000	62,000
TOTAL PRE-SEASON NISGA'A CATCH POTENTIAL	**44,000**	**5,300**	**12,000**	**28,000**	**3,100**
75% probability	17,000	4,000	7,000	1,000	<500
25% probability	78,000	6,900	19,200	104,000	5,000

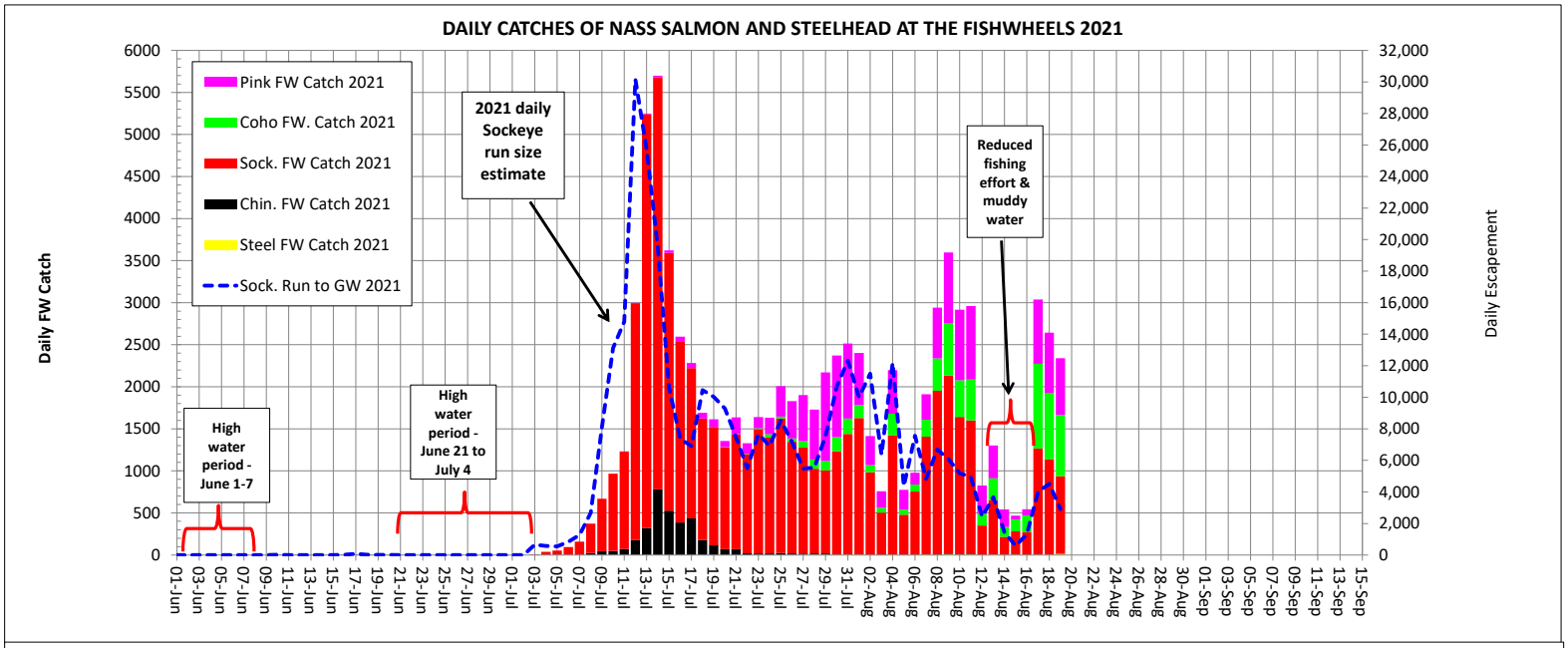
IN-SEASON TRTC & ENTITLEMENT ESTIMATES - PRELIMINARY	SOCK	CHIN	COHO	PINK-ODD	CHUM
PROJECTED TRTC BASED ON INSEASON TO FINAL REGRESSION	**411,000**	**23,000**	**158,000**	**374,000**	**33,000**
Lower (95% CI)	382,000	23,000	113,000	240,000	24,000
Upper (95% ci.)	441,000	24,000	260,000	507,000	42,000
ESTIMATED %TRTC TO DATE: MEAN. RUN TIMING (AREA 3D)	93%	98%	48%	72%	43%
Late run	85%	91%	28%	38%	21%
Early run	99%	100%	65%	90%	60%
IN-SEASON NISGA'A ENTITLEMENT TARGET	**65,000**	**4,800**	**13,000**	**24,000**	**3,000**
Lower (95% CI)	59,000	4,800	9,000	3,000	<500
Upper (95% ci.)	72,000	5,000	19,000	45,000	3,000

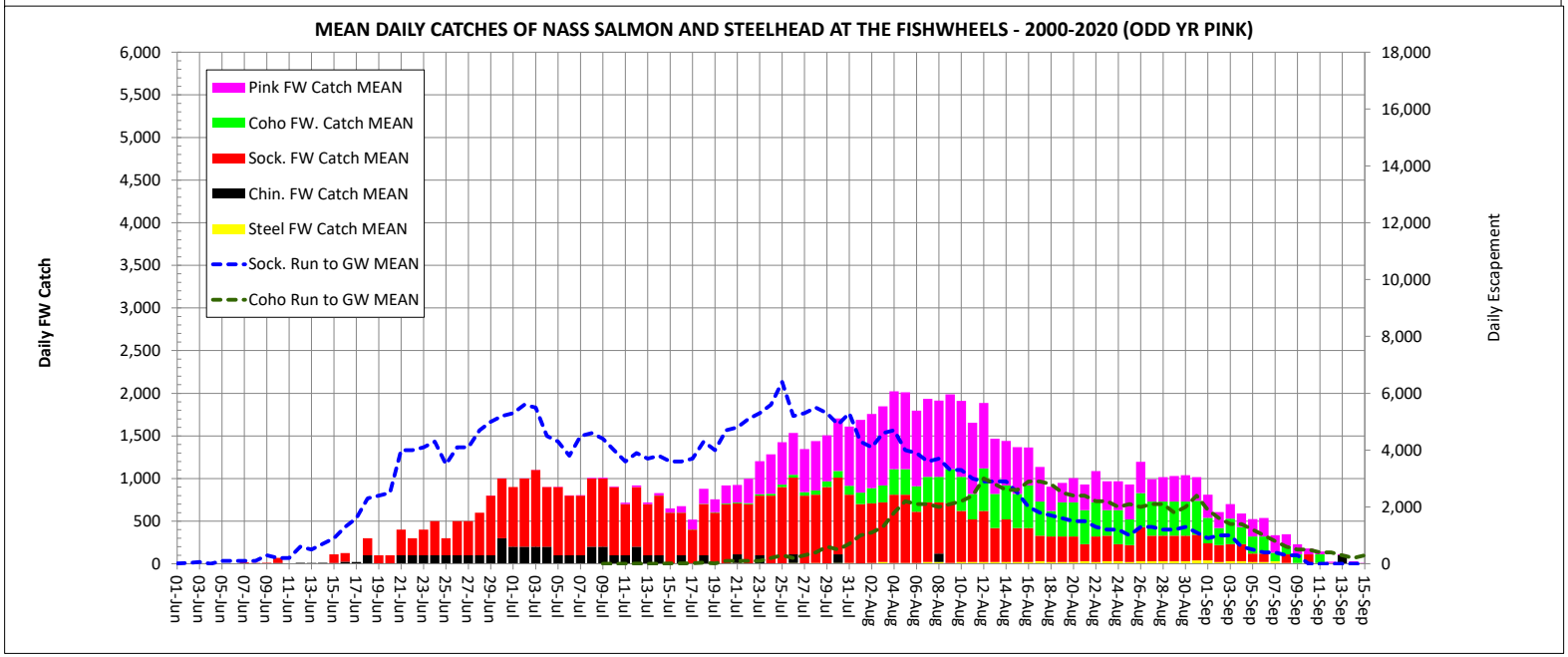
Daily Water Level at Gitwinksihlkw Fishwheels 2021

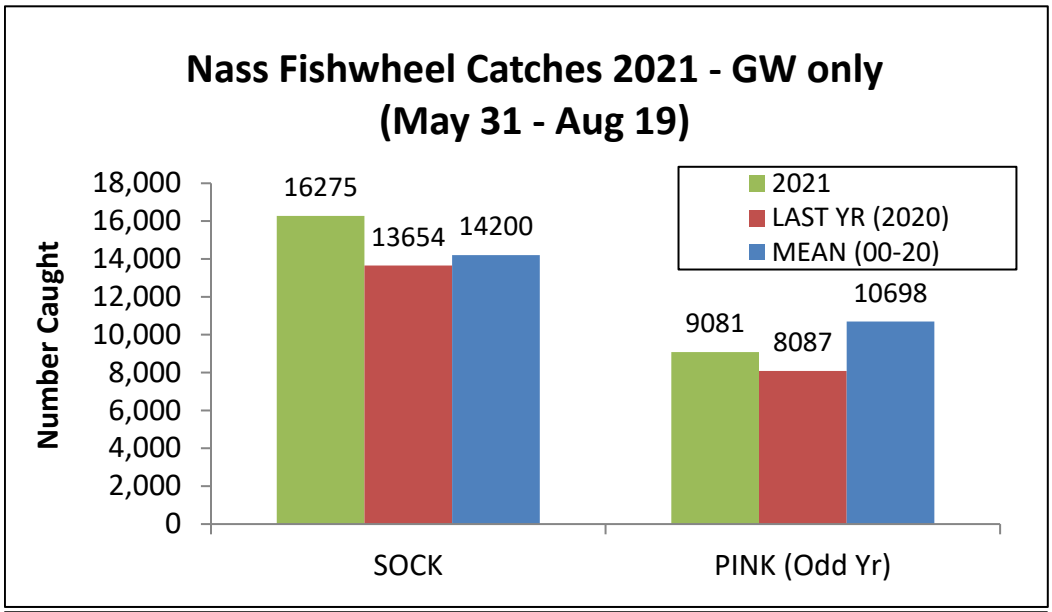


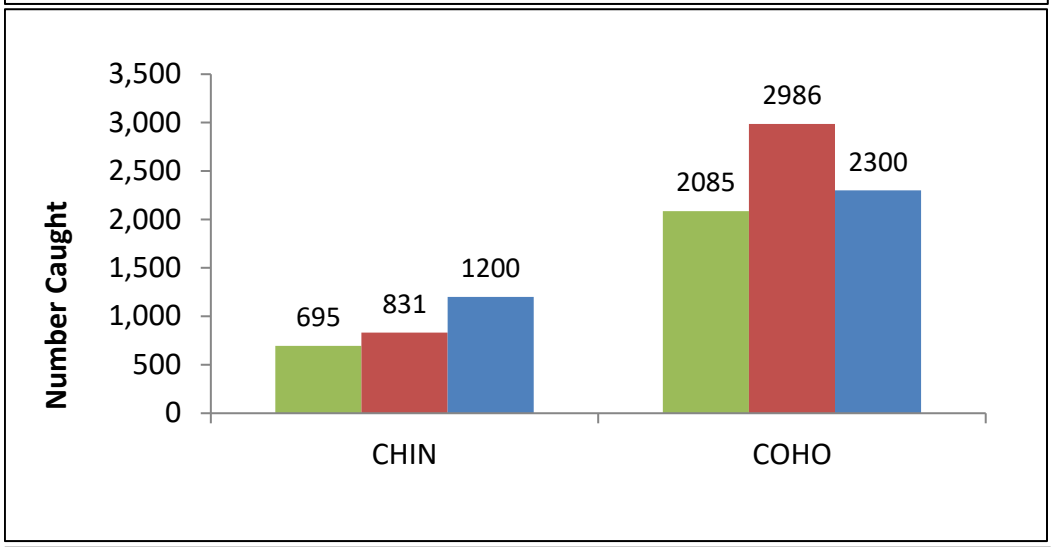
Prepared by Nisga'a Fisheries

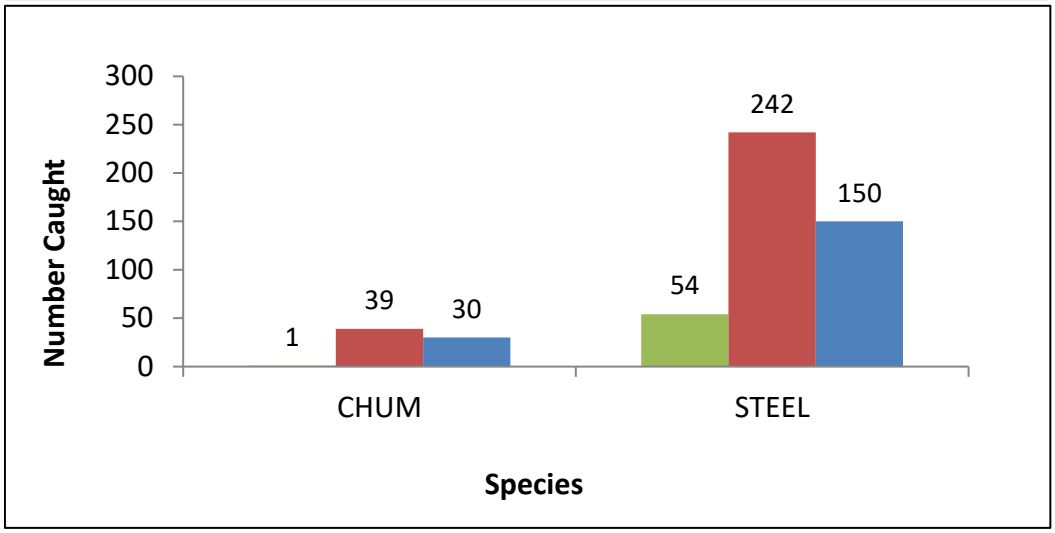
2021-08-20


DAILY CATCHES OF NASS SALMON AND STEELHEAD AT THE FISHWHEELS 2021
Daily FW Catch
Daily Escapement
Pink FW Catch 2021
Coho FW. Catch 2021
Sock. FW Catch 2021
Chin. FW Catch 2021
Steel FW Catch 2021
Sock. Run to GW 2021
2021 daily Sockeye run size estimate
Reduced fishing effort & muddy water
High water period - June 1-7
High water period - June 21 to July 4

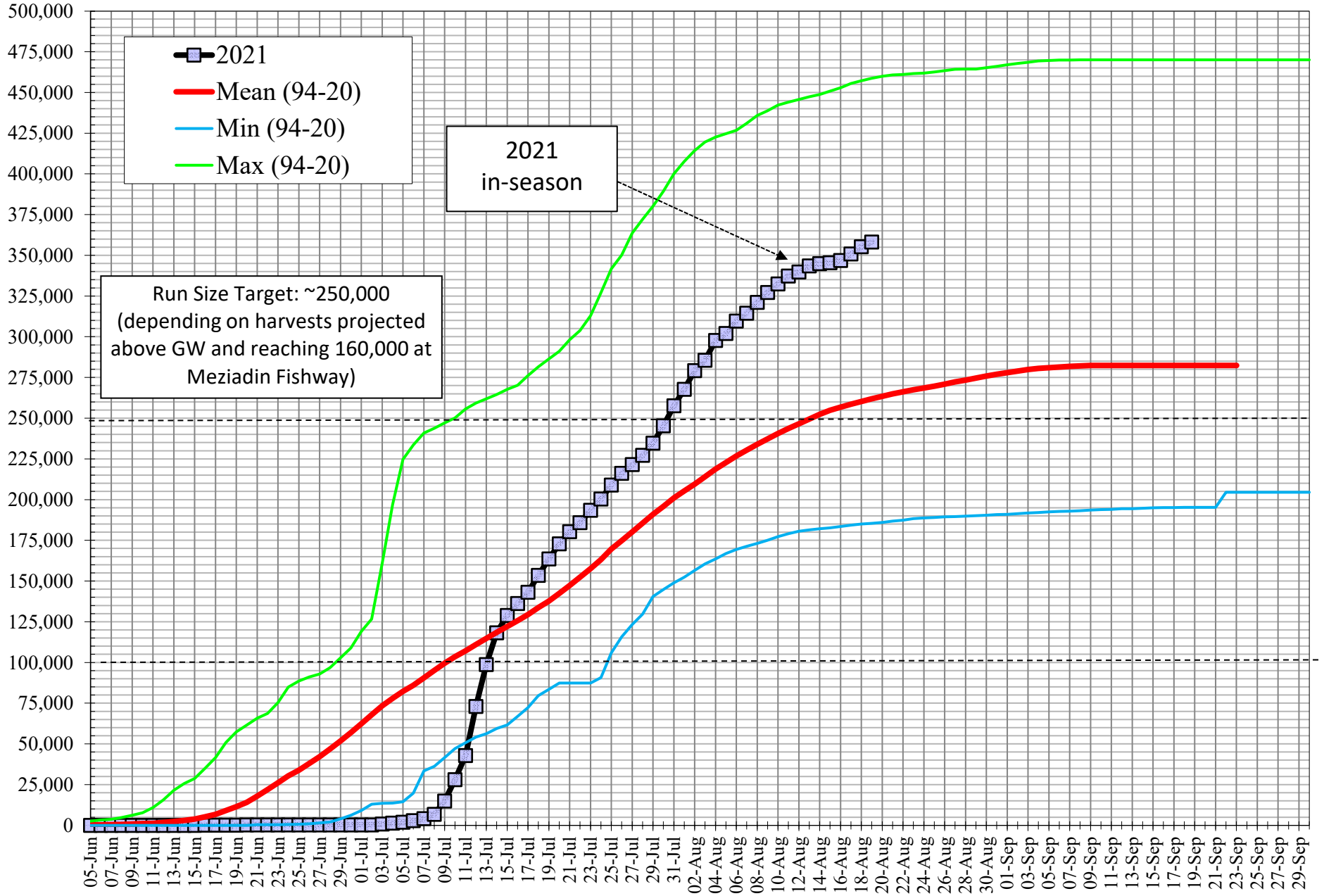

MEAN DAILY CATCHES OF NASS SALMON AND STEELHEAD AT THE FISHWHEELS - 2000-2020 (ODD YR PINK)
Daily FW Catch
Daily Escapement
Pink FW Catch MEAN
Coho FW. Catch MEAN
Sock. FW Catch MEAN
Chin. FW Catch MEAN
Steel FW Catch MEAN
Sock. Run to GW MEAN
Coho Run to GW MEAN


Nass Fishwheel Catches 2021 - GW only
(May 31 - Aug 19)
Number Caught
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
16275
13654
14200
9081
8087
10698
2021
LAST YR (2020)
MEAN (00-20)
SOCK
PINK (Odd Yr)

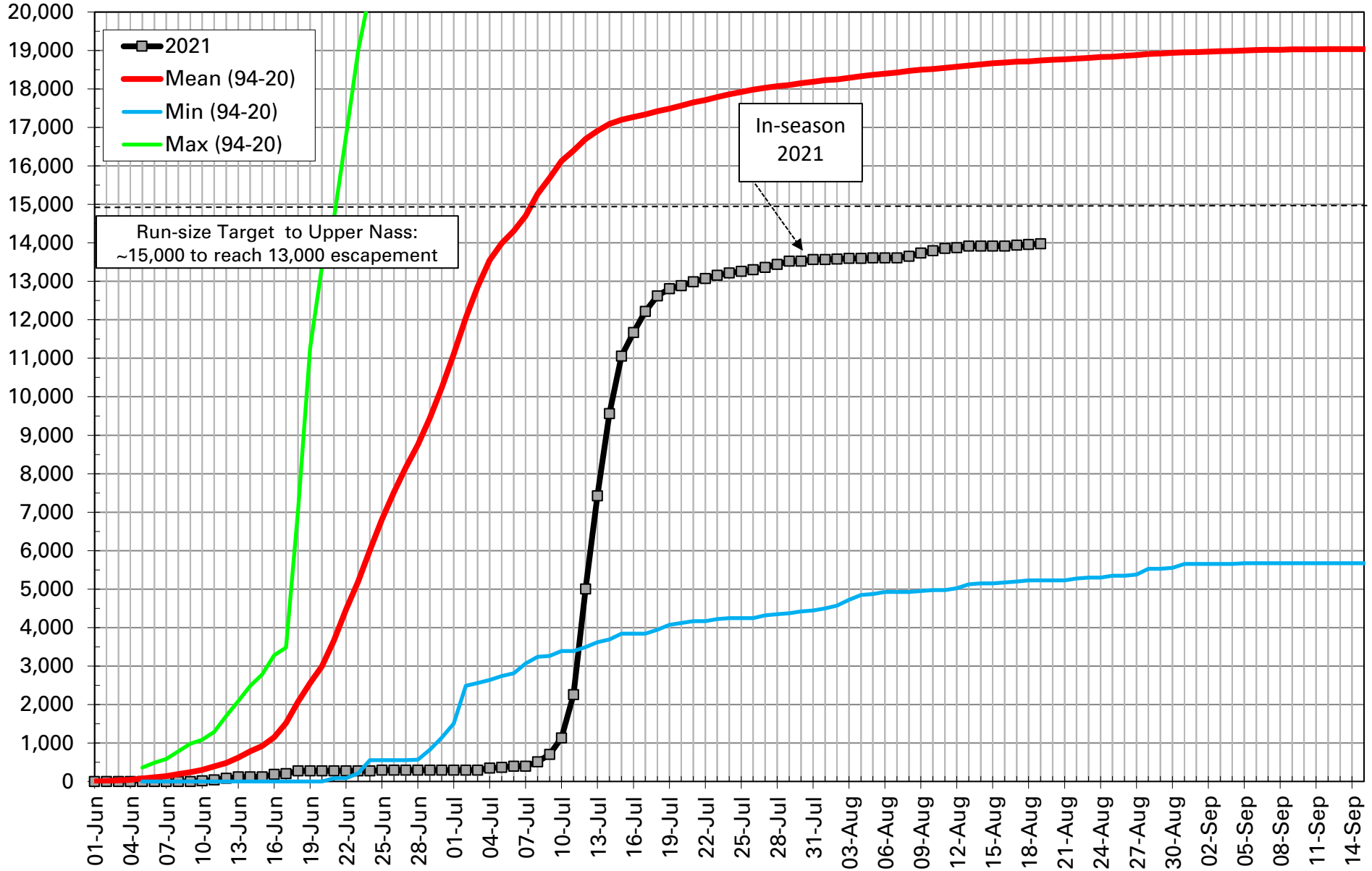

Number Caught
3,500
3,000
2,500
2,000
1,500
1,000
500
0
695
831
1200
2085
2986
2300
CHIN
COHO


Number Caught
300
250
200
150
100
50
0
1
39
30
54
242
150
CHUM
STEEL
Species

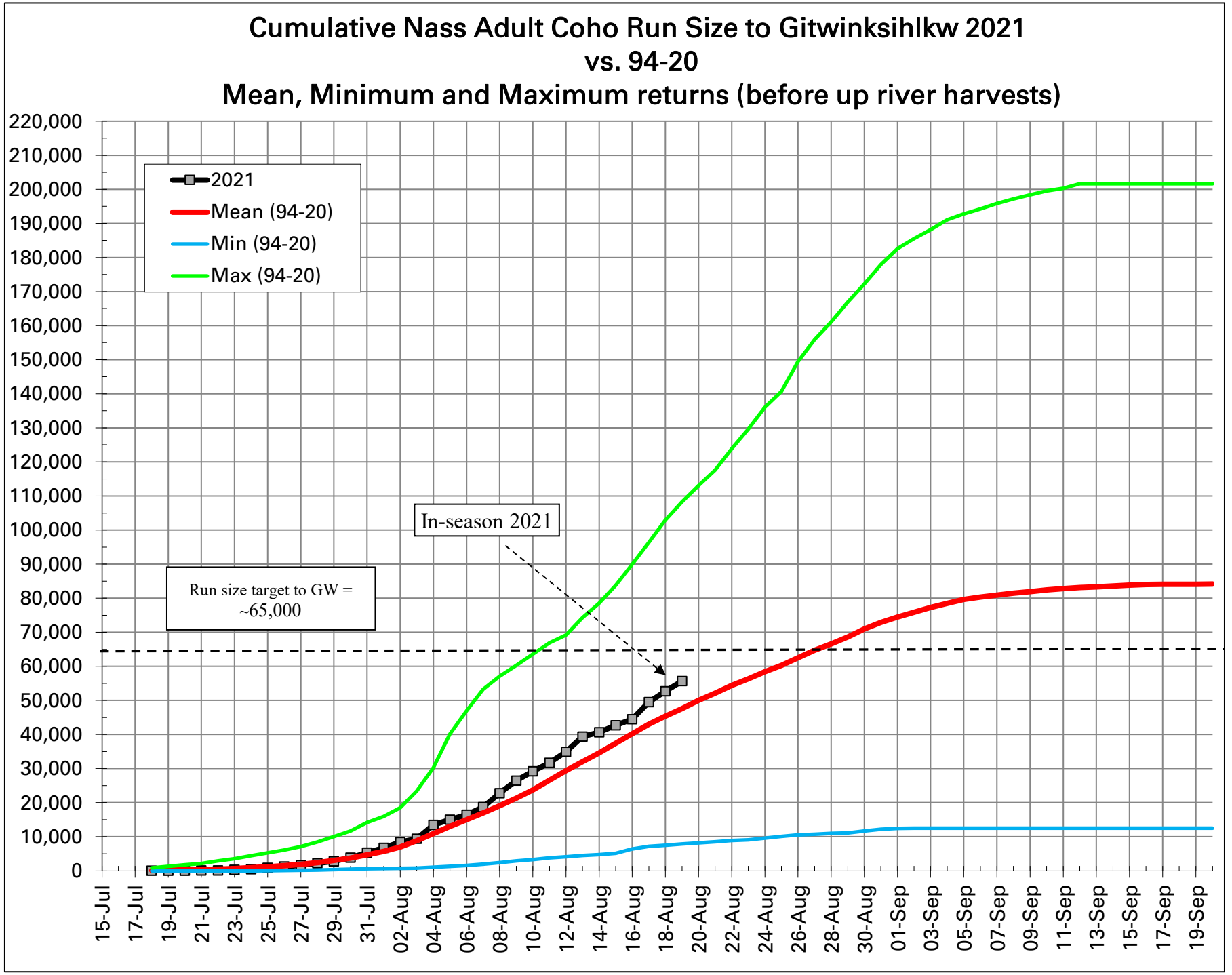
Nass Sockeye Cum. Run Size to Gitwinksilhkw Fishwheels 2021 versus 94-20 Mean, Min, Max returns (before upriver harvests)



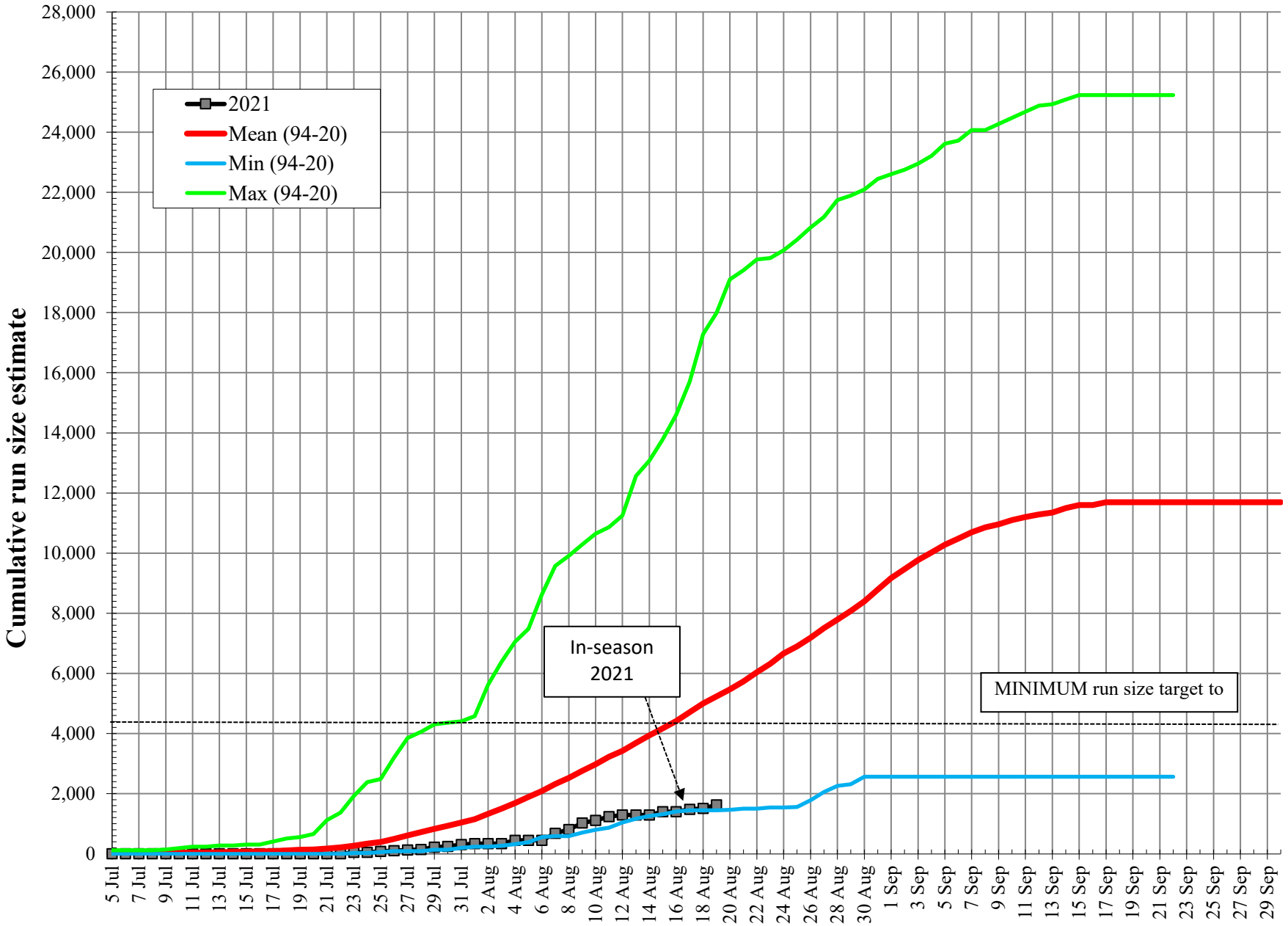
Cumulative Nass Adult Chinook Run Size to Gitwinksihlkw 2021 vs 94-20 Mean, Minimum and Maximum returns (before up river harvests)

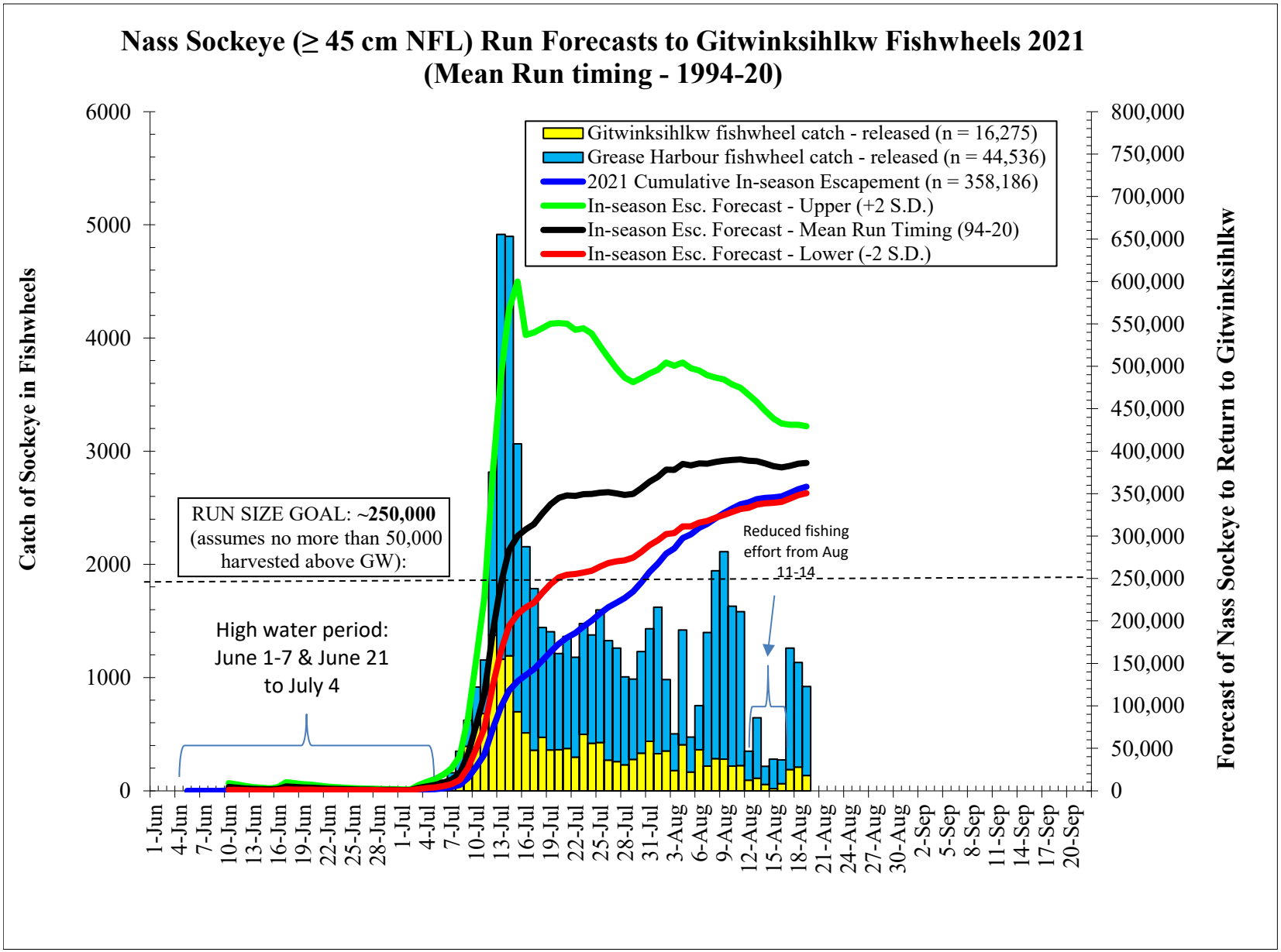


2021-08-20

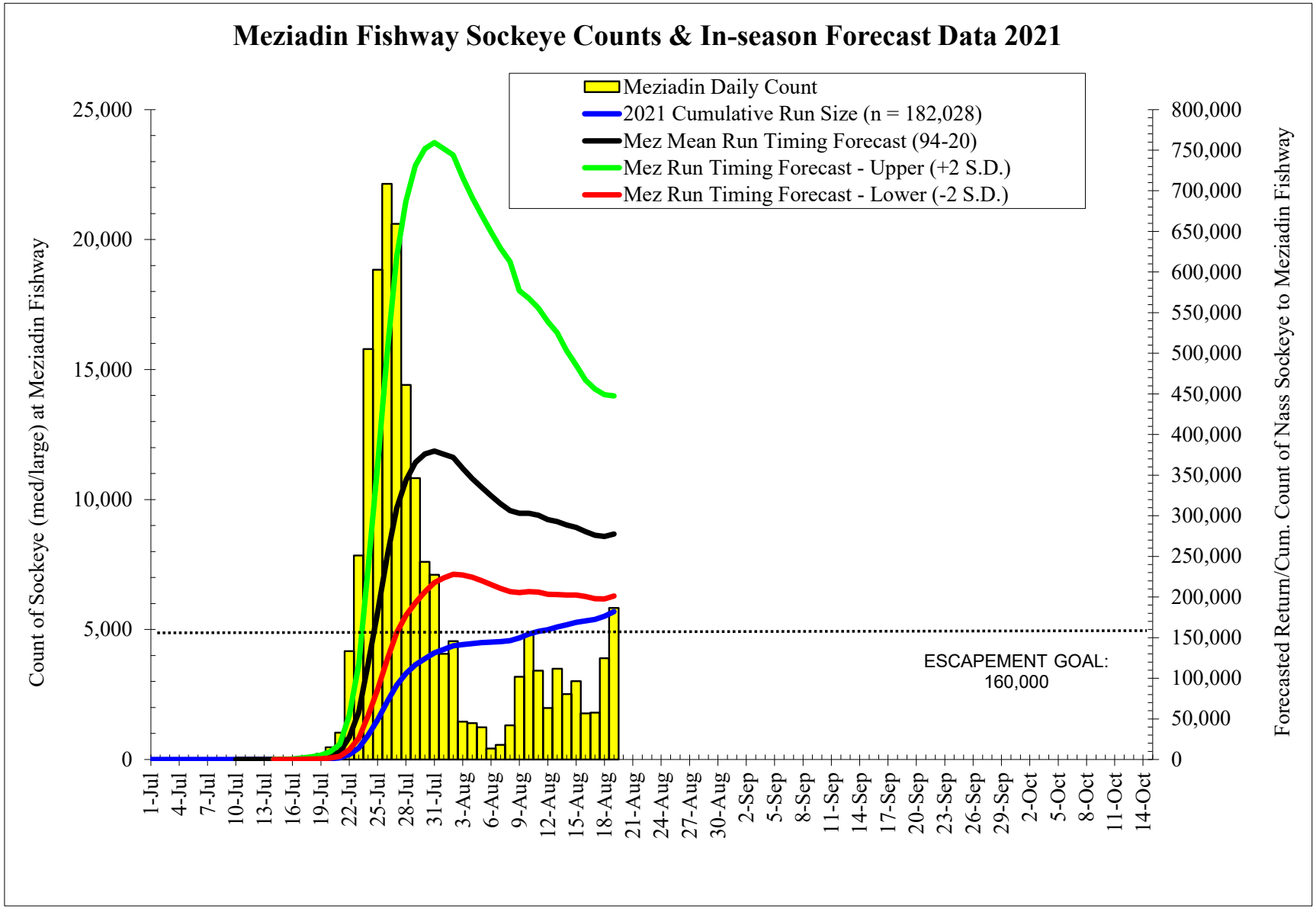

Cumulative Nass Adult Coho Run Size to Gitwinksihlkw 2021
vs. 94-20
Mean, Minimum and Maximum returns (before up river harvests)
2021
Mean (94-20)
Min (94-20)
Max (94-20)
In-season 2021
Run size target to GW = ~65,000
220,000
210,000
200,000
190,000
180,000
170,000
160,000
150,000
140,000
130,000
120,000
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
15-Jul
17-Jul
19-Jul
21-Jul
23-Jul
25-Jul
27-Jul
29-Jul
31-Jul
02-Aug
04-Aug
06-Aug
08-Aug
10-Aug
12-Aug
14-Aug
16-Aug
18-Aug
20-Aug
22-Aug
24-Aug
26-Aug
28-Aug
30-Aug
01-Sep
03-Sep
05-Sep
07-Sep
09-Sep
11-Sep
13-Sep
15-Sep
17-Sep
19-Sep

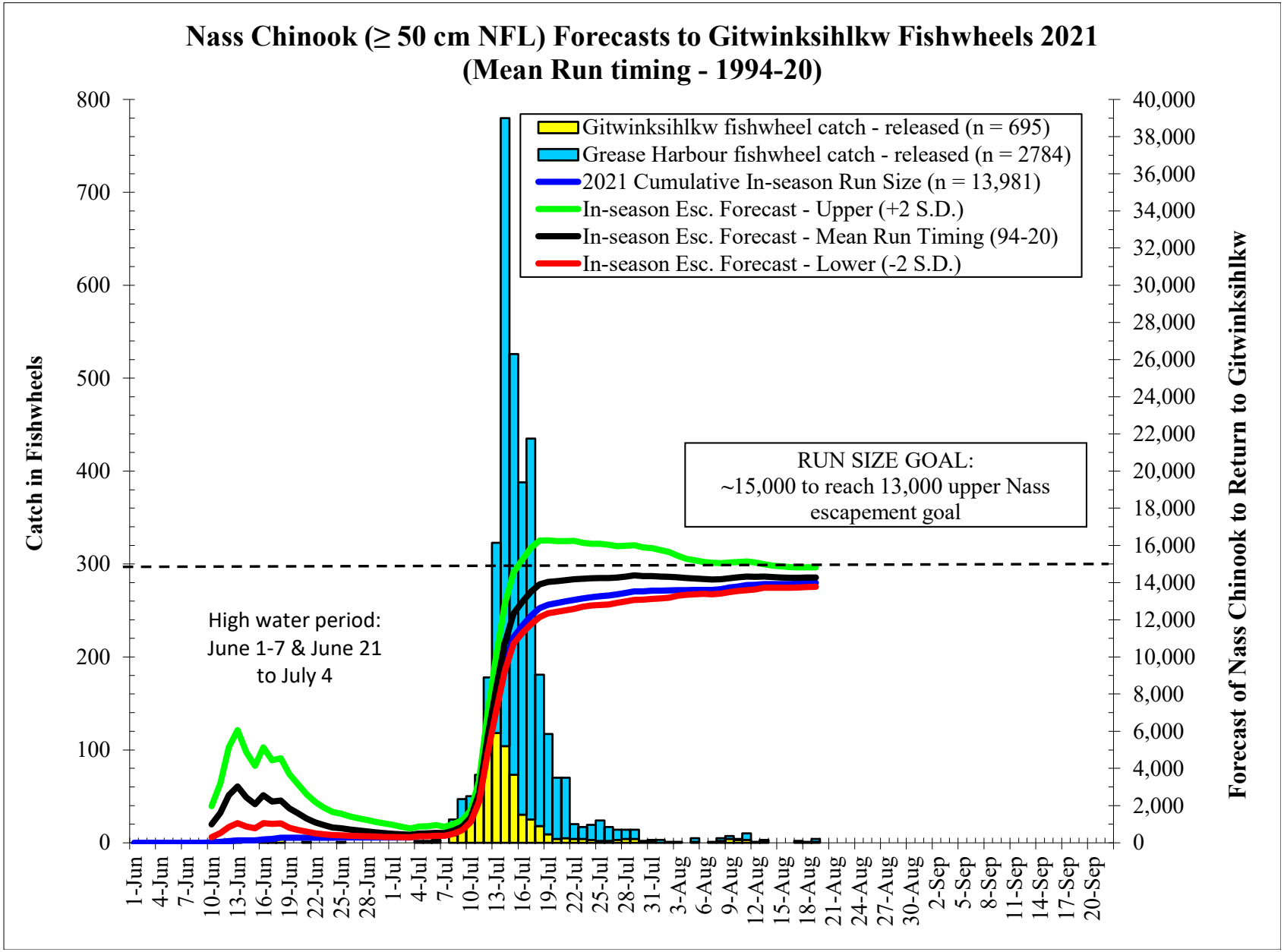
Cumulative Nass Adult Summer-run Steelhead Return to Gitwinksihlkw 2021 vs. 94-20 Mean, Minimum and Maximum returns (before up river harvests)



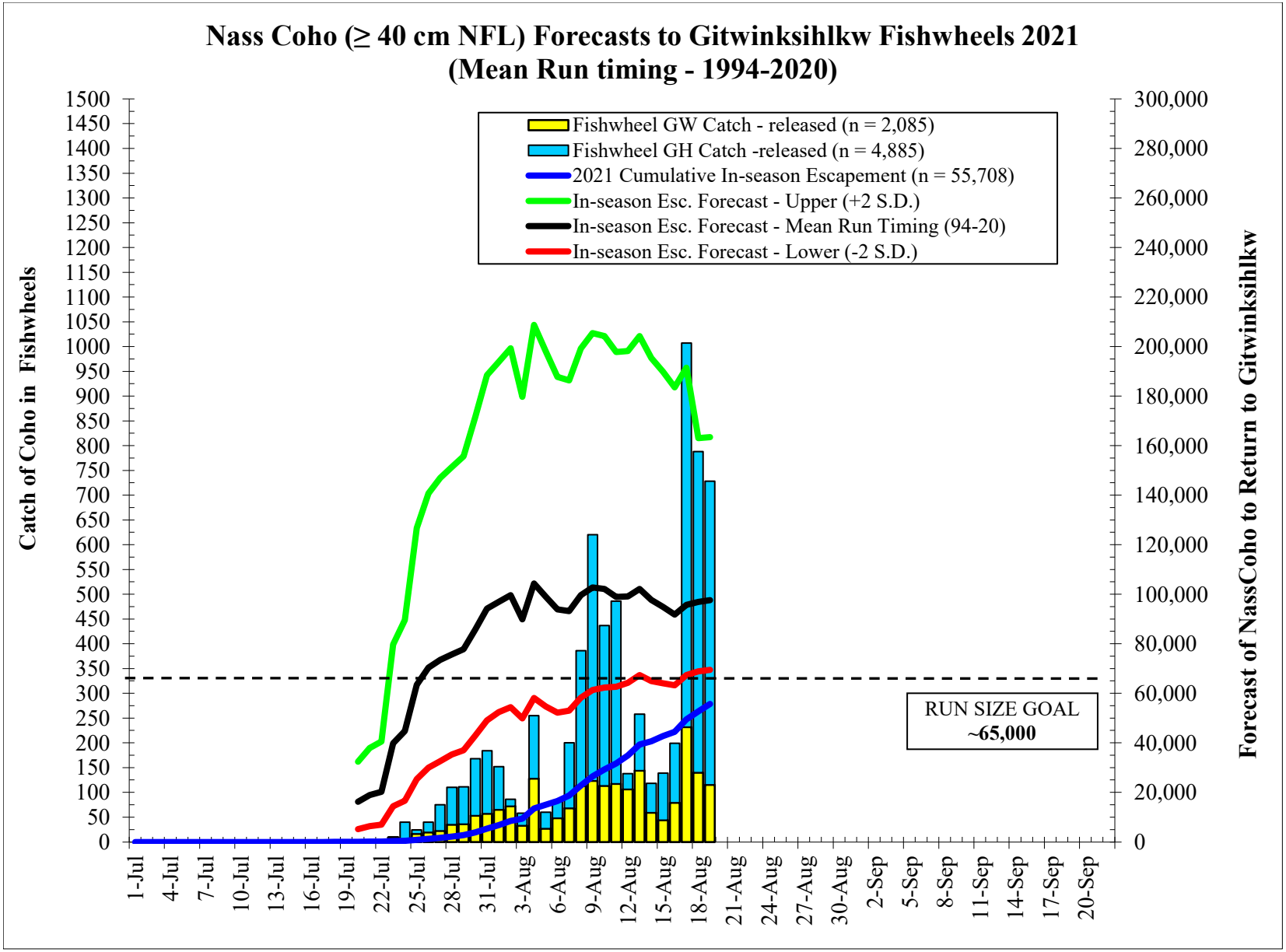

Nass Sockeye (≥ 45 cm NFL) Run Forecasts to Gitwinksihlkw Fishwheels 2021
(Mean Run timing - 1994-20)
Catch of Sockeye in Fishwheels
Forecast of Nass Sockeye to Return to Gitwinksihlkw
Gitwinksihlkw fishwheel catch - released (n = 16,275)
Grease Harbour fishwheel catch - released (n = 44,536)
2021 Cumulative In-season Escapement (n = 358,186)
In-season Esc. Forecast - Upper (+2 S.D.)
In-season Esc. Forecast - Mean Run Timing (94-20)
In-season Esc. Forecast - Lower (-2 S.D.)
RUN SIZE GOAL: ~250,000
(assumes no more than 50,000
harvested above GW):
High water period:
June 1-7 & June 21
to July 4
Reduced fishing
effort from Aug
11-14
0
1000
2000
3000
4000
5000
6000
0
50,000
100,000
150,000
200,000
250,000
300,000
350,000
400,000
450,000
500,000
550,000
600,000
650,000
700,000
750,000
800,000
1-Jun
4-Jun
7-Jun
10-Jun
13-Jun
16-Jun
19-Jun
22-Jun
25-Jun
28-Jun
1-Jul
4-Jul
7-Jul
10-Jul
13-Jul
16-Jul
19-Jul
22-Jul
25-Jul
28-Jul
31-Jul
3-Aug
6-Aug
9-Aug
12-Aug
15-Aug
18-Aug
21-Aug
24-Aug
27-Aug
30-Aug
2-Sep
5-Sep
8-Sep
11-Sep
14-Sep
17-Sep
20-Sep

2021-08-20

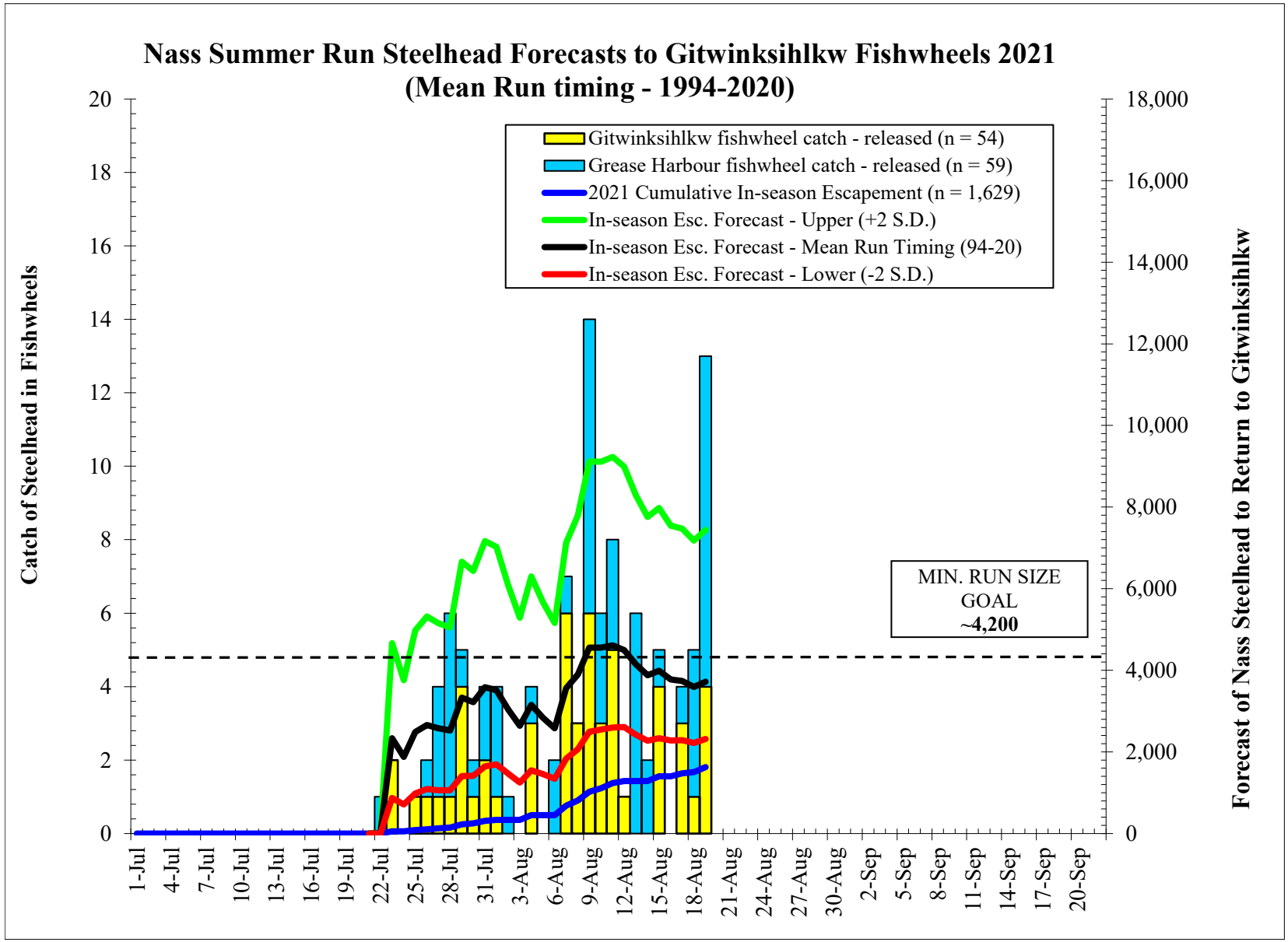

Meziadin Fishway Sockeye Counts & In-season Forecast Data 2021
Meziadin Daily Count
2021 Cumulative Run Size (n = 182,028)
Mez Mean Run Timing Forecast (94-20)
Mez Run Timing Forecast - Upper (+2 S.D.)
Mez Run Timing Forecast - Lower (-2 S.D.)
ESCAPEMENT GOAL:
160,000
Count of Sockeye (med/large) at Meziadin Fishway
Forecasted Return/Cum. Count of Nass Sockeye to Meziadin Fishway
25,000
20,000
15,000
10,000
5,000
0
800,000
750,000
700,000
650,000
600,000
550,000
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
1-Jul
4-Jul
7-Jul
10-Jul
13-Jul
16-Jul
19-Jul
22-Jul
25-Jul
28-Jul
31-Jul
3-Aug
6-Aug
9-Aug
12-Aug
15-Aug
18-Aug
21-Aug
24-Aug
27-Aug
30-Aug
2-Sep
5-Sep
8-Sep
11-Sep
14-Sep
17-Sep
20-Sep
23-Sep
26-Sep
29-Sep
2-Oct
5-Oct
8-Oct
11-Oct
14-Oct


Nass Chinook (≥ 50 cm NFL) Forecasts to Gitwinksihlkw Fishwheels 2021
(Mean Run timing - 1994-20)
Gitwinksihlkw fishwheel catch - released (n = 695)
Grease Harbour fishwheel catch - released (n = 2784)
2021 Cumulative In-season Run Size (n = 13,981)
In-season Esc. Forecast - Upper (+2 S.D.)
In-season Esc. Forecast - Mean Run Timing (94-20)
In-season Esc. Forecast - Lower (-2 S.D.)
RUN SIZE GOAL:
~15,000 to reach 13,000 upper Nass escapement goal
High water period:
June 1-7 & June 21
to July 4
Catch in Fishwheels
Forecast of Nass Chinook to Return to Gitwinksihlkw
800
700
600
500
400
300
200
100
0
40,000
38,000
36,000
34,000
32,000
30,000
28,000
26,000
24,000
22,000
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
1-Jun
4-Jun
7-Jun
10-Jun
13-Jun
16-Jun
19-Jun
22-Jun
25-Jun
28-Jun
1-Jul
4-Jul
7-Jul
10-Jul
13-Jul
16-Jul
19-Jul
22-Jul
25-Jul
28-Jul
31-Jul
3-Aug
6-Aug
9-Aug
12-Aug
15-Aug
18-Aug
21-Aug
24-Aug
27-Aug
30-Aug
2-Sep
5-Sep
8-Sep
11-Sep
14-Sep
17-Sep
20-Sep

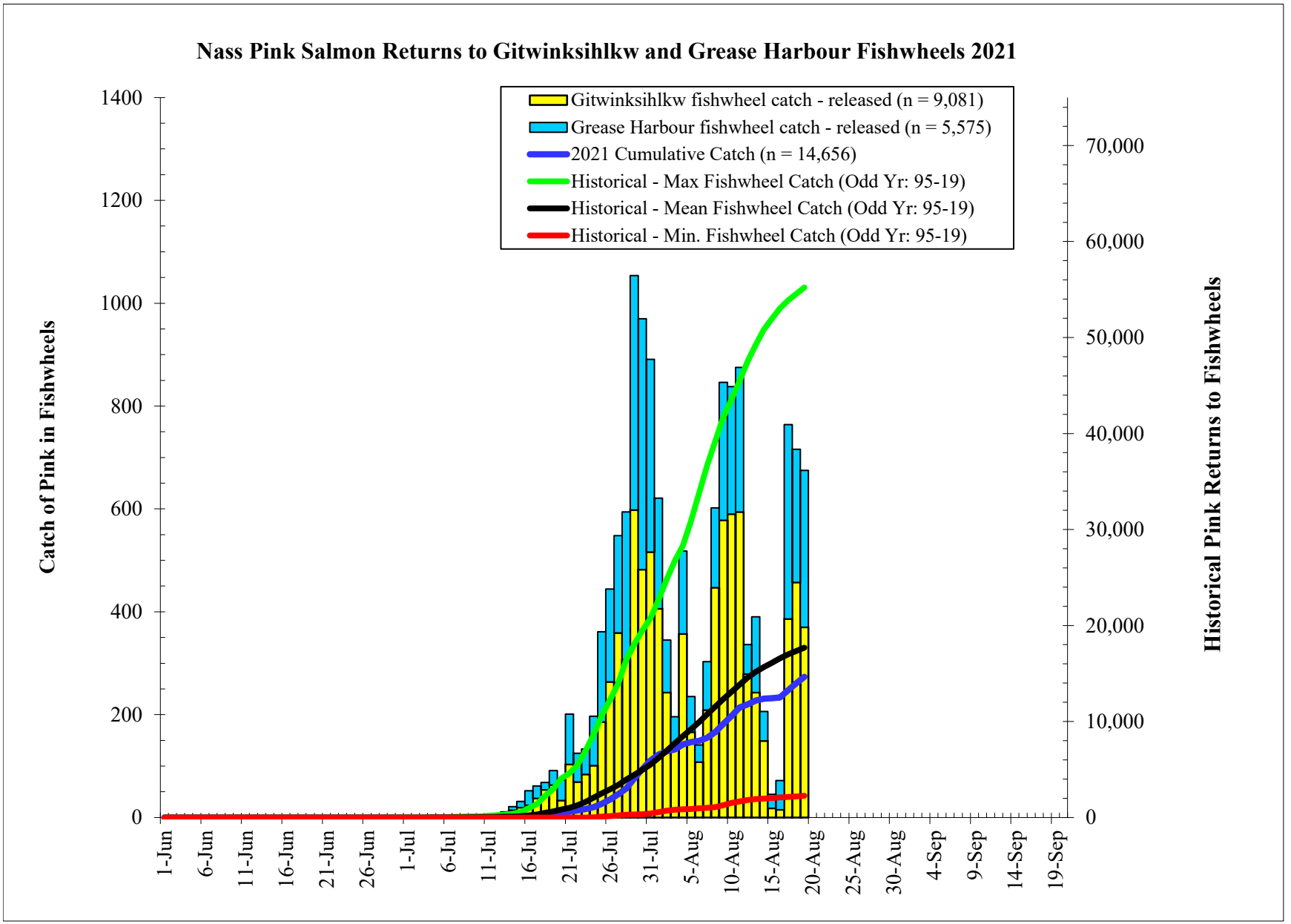
2021-08-20


Nass Coho (≥ 40 cm NFL) Forecasts to Gitwinksihlkw Fishwheels 2021
(Mean Run timing - 1994-2020)
Fishwheel GW Catch - released (n = 2,085)
Fishwheel GH Catch -released (n = 4,885)
2021 Cumulative In-season Escapement (n = 55,708)
In-season Esc. Forecast - Upper (+2 S.D.)
In-season Esc. Forecast - Mean Run Timing (94-20)
In-season Esc. Forecast - Lower (-2 S.D.)
RUN SIZE GOAL
~65,000
Catch of Coho in Fishwheels
Forecast of NassCoho to Return to Gitwinksihlkw
1500
1450
1400
1350
1300
1250
1200
1150
1100
1050
1000
950
900
850
800
750
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
300,000
280,000
260,000
240,000
220,000
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
1-Jul
4-Jul
7-Jul
10-Jul
13-Jul
16-Jul
19-Jul
22-Jul
25-Jul
28-Jul
31-Jul
3-Aug
6-Aug
9-Aug
12-Aug
15-Aug
18-Aug
21-Aug
24-Aug
27-Aug
30-Aug
2-Sep
5-Sep
8-Sep
11-Sep
14-Sep
17-Sep
20-Sep

2021-08-20


Nass Summer Run Steelhead Forecasts to Gitwinksihlkw Fishwheels 2021
(Mean Run timing - 1994-2020)
Gitwinksihlkw fishwheel catch - released (n = 54)
Grease Harbour fishwheel catch - released (n = 59)
2021 Cumulative In-season Escapement (n = 1,629)
In-season Esc. Forecast - Upper (+2 S.D.)
In-season Esc. Forecast - Mean Run Timing (94-20)
In-season Esc. Forecast - Lower (-2 S.D.)
MIN. RUN SIZE GOAL ~4,200
Catch of Steelhead in Fishwheels
Forecast of Nass Steelhead to Return to Gitwinksihlkw
0
2
4
6
8
10
12
14
16
18
20
0
2,000
4,000
6,000
8,000
10,000
12,000
14,000
16,000
18,000
1-Jul
4-Jul
7-Jul
10-Jul
13-Jul
16-Jul
19-Jul
22-Jul
25-Jul
28-Jul
31-Jul
3-Aug
6-Aug
9-Aug
12-Aug
15-Aug
18-Aug
21-Aug
24-Aug
27-Aug
30-Aug
2-Sep
5-Sep
8-Sep
11-Sep
14-Sep
17-Sep
20-Sep

2021-08-20


Nass Pink Salmon Returns to Gitwinksihlkw and Grease Harbour Fishwheels 2021
Gitwinksihlkw fishwheel catch - released (n = 9,081)
Grease Harbour fishwheel catch - released (n = 5,575)
2021 Cumulative Catch (n = 14,656)
Historical - Max Fishwheel Catch (Odd Yr: 95-19)
Historical - Mean Fishwheel Catch (Odd Yr: 95-19)
Historical - Min. Fishwheel Catch (Odd Yr: 95-19)
Catch of Pink in Fishwheels
Historical Pink Returns to Fishwheels
0
200
400
600
800
1000
1200
1400
0
10,000
20,000
30,000
40,000
50,000
60,000
70,000
1-Jun
6-Jun
11-Jun
16-Jun
21-Jun
26-Jun
1-Jul
6-Jul
11-Jul
16-Jul
21-Jul
26-Jul
31-Jul
5-Aug
10-Aug
15-Aug
20-Aug
25-Aug
30-Aug
4-Sep
9-Sep
14-Sep
19-Sep

2021-08-20

Cumulative Daily Run Sizes of Adult Nass River Sockeye Salmon (≥ 45 cm NFL) to Gitwinksihlkw Fishwheels, 2000-2021.

Note: In-season cum. values with yellow shading are preliminary and will change as these fish pass the upper fishwheels to finalize mark-recapture data over a 5-d period.

Date	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	IN-SEASON (FW-MR) 2021 Cum	Mean (94-20)	2021 Daily
01-Jun	0	0	0	0	0	0	0	0	0	0	0	0	216	0	0	0	0	0	0	0	0	**0**	**10**	**0**
02-Jun	0	0	0	0	0	0	0	0	0	175	119	0	809	0	0	0	0	0	0	0	0	**0**	**40**	**0**
03-Jun	0	0	0	0	0	0	0	0	0	175	119	0	1,173	93	275	0	0	0	0	36	16	**0**	**100**	**0**
04-Jun	0	0	0	0	0	0	0	0	0	175	158	0	1,609	278	687	0	127	14	34	72	16	**0**	**100**	**0**
05-Jun	0	0	0	0	0	0	0	0	0	175	238	0	2,646	432	824	283	190	58	34	107	16	**0**	**200**	**0**
06-Jun	0	0	0	0	0	40	0	0	207	175	360	25	3,245	494	1,510	534	318	101	67	143	32	**0**	**300**	**0**
07-Jun	0	0	0	0	0	121	0	0	326	175	401	75	3,682	572	2,060	1,069	445	173	67	197	47	**0**	**400**	**0**
08-Jun	0	864	0	0	0	229	52	0	533	175	441	275	4,754	788	3,444	1,699	604	216	135	286	47	**0**	**500**	**0**
09-Jun	0	1,326	0	0	0	229	234	0	741	175	645	524	6,136	1,070	5,060	1,983	732	245	135	483	63	**0**	**800**	**0**
10-Jun	0	1,505	0	0	0	229	468	0	1,127	175	645	699	7,027	1,523	7,644	2,141	987	245	232	662	125	**20**	**1,000**	**20**
11-Jun	0	1,521	0	0	174	364	469	0	1,542	175	849	1,024	7,398	2,071	10,921	2,487	1,210	245	264	822	155	**20**	**1,200**	**0**
12-Jun	111	1,814	0	0	1,059	836	469	0	1,928	175	1,134	1,322	7,413	3,136	15,583	3,811	1,784	245	296	1,180	186	**20**	**1,800**	**0**
13-Jun	111	2,577	0	0	1,783	1,196	469	0	2,314	175	1,294	1,620	7,413	4,137	21,491	5,102	2,263	245	361	1,412	233	**20**	**2,300**	**0**
14-Jun	111	2,756	0	1,511	2,375	1,723	469	0	2,551	175	1,414	2,366	8,430	5,436	25,737	7,208	2,773	282	393	1,680	250	**20**	**3,000**	**0**
15-Jun	111	3,032	0	5,204	3,328	2,250	469	154	2,758	175	1,733	3,484	10,465	7,174	28,694	9,911	2,933	505	715	2,234	250	**20**	**3,900**	**0**
16-Jun	553	3,877	0	10,343	4,973	3,776	469	488	3,466	1,773	2,092	5,671	12,009	8,441	34,958	14,815	3,188	703	1,425	3,341	266	**41**	**5,200**	**20**
17-Jun	2,517	4,832	0	15,268	8,689	6,161	469	561	4,587	4,447	2,691	6,690	12,082	9,108	41,540	20,661	3,411	826	2,160	4,804	283	**122**	**6,800**	**82**
18-Jun	4,342	6,216	0	20,996	17,734	9,656	469	561	6,210	8,336	4,327	9,126	12,446	10,816	50,857	26,413	3,762	1,378	3,279	5,785	333	**143**	**9,100**	**20**
19-Jun	7,799	6,687	0	27,393	23,851	11,760	667	561	9,868	13,233	6,282	10,577	13,478	12,777	57,344	34,868	4,271	2,018	3,855	8,408	415	**159**	**11,500**	**16**
20-Jun	11,781	7,033	0	39,866	24,670	13,426	2,818	659	13,792	17,748	9,109	12,107	13,711	13,684	61,573	40,714	5,161	2,431	4,302	11,352	415	**176**	**14,000**	**16**
21-Jun	17,506	7,075	29,917	49,020	24,670	15,863	5,018	1,077	19,605	23,523	12,059	13,836	14,572	15,845	65,738	46,705	6,528	2,883	4,526	15,830	415	**176**	**18,000**	**0**
22-Jun	24,476	7,075	53,842	52,179	24,670	21,386	8,356	1,616	23,216	31,305	16,811	16,598	17,368	18,620	68,743	56,095	8,816	3,422	4,814	19,845	415	**176**	**22,000**	**0**
23-Jun	32,662	7,075	75,318	55,636	24,670	26,505	13,795	2,573	24,852	40,581	23,210	19,996	17,866	24,605	70,093	65,771	11,582	4,463	4,974	22,952	415	**176**	**26,100**	**0**
24-Jun	42,231	7,741	84,932	63,106	24,670	31,011	18,170	7,209	30,400	53,871	28,552	24,229	17,866	32,181	73,868	75,066	13,807	5,303	5,750	26,176	496	**176**	**30,400**	**0**
25-Jun	55,229	10,934	88,616	70,810	24,670	33,641	20,639	10,058	36,366	65,154	33,615	26,911	17,866	34,456	75,537	82,174	16,858	6,401	7,692	28,449	674	**176**	**33,900**	**0**
26-Jun	72,182	16,443	91,072	76,530	26,511	35,773	22,750	15,416	40,975	72,579	39,888	30,271	17,866	44,050	78,019	88,498	19,816	7,698	14,586	30,954	949	**176**	**38,000**	**0**
27-Jun	79,898	22,058	91,072	80,990	29,568	38,720	24,384	22,065	45,804	79,358	45,962	35,037	17,888	51,420	87,281	92,872	23,117	8,782	25,913	33,053	1,434	**176**	**42,100**	**0**
28-Jun	79,898	25,084	91,072	84,831	35,665	42,868	26,461	29,196	50,633	86,952	51,354	39,940	18,832	77,165	91,753	96,785	26,471	10,051	41,674	35,117	2,013	**176**	**46,800**	**0**
29-Jun	79,898	26,779	98,717	86,967	41,467	48,063	31,347	36,770	54,242	91,203	55,440	43,995	31,382	91,289	94,676	102,875	31,119	11,449	47,758	36,392	3,998	**176**	**51,800**	**0**
30-Jun	79,898	30,487	102,127	89,504	48,006	54,382	37,066	43,172	58,643	94,237	58,436	48,384	42,726	96,013	97,207	108,877	34,394	13,232	51,512	39,234	6,132	**176**	**57,000**	**0**
01-Jul	85,966	33,888	108,610	92,742	51,160	58,517	41,833	45,336	67,993	97,871	61,322	52,772	55,482	100,305	98,557	119,099	36,586	14,430	56,874	43,247	9,093	**176**	**62,300**	**0**
02-Jul	103,938	35,981	126,584	93,809	56,227	61,515	46,050	48,452	76,305	102,054	62,848	55,662	75,066	104,651	101,507	126,156	38,038	16,189	59,108	48,638	12,963	**176**	**67,900**	**0**
03-Jul	112,961	37,197	160,994	96,534	62,259	63,453	52,191	53,305	76,305	105,208	63,774	58,654	88,722	108,543	103,801	132,554	40,013	18,975	60,793	55,451	13,516	**833**	**73,400**	**657**
04-Jul	115,310	38,313	196,911	99,054	65,054	64,892	59,800	59,239	76,305	107,865	64,777	60,738	95,873	111,235	104,522	139,039	42,466	22,723	62,905	59,881	13,701	**1,409**	**77,900**	**576**
05-Jul	117,760	39,513	224,762	101,438	69,166	67,550	66,871	62,785	76,305	110,495	66,514	62,650	98,807	112,684	106,109	145,982	44,770	27,040	64,469	63,162	14,542	**1,958**	**82,200**	**548**
06-Jul	117,760	40,914	233,579	103,953	74,438	69,271	71,193	64,873	76,305	112,850	68,813	65,152	103,551	113,873	108,589	153,038	48,449	31,961	66,480	67,530	19,708	**2,805**	**86,000**	**847**
07-Jul	117,958	42,161	240,891	106,318	79,176	72,042	74,310	71,881	86,686	115,714	73,241	69,761	105,938	116,880	110,309	159,675	52,159	34,307	69,079	72,318	33,405	**4,082**	**90,500**	**1,277**
08-Jul	120,535	45,210	243,807	109,093	88,294	75,611	78,513	76,646	96,917	117,862	80,018	72,385	107,844	119,621	112,591	165,412	54,672	36,132	72,018	77,506	43,423	**6,759**	**95,100**	**2,677**
09-Jul	126,179	46,974	247,158	111,492	94,159	77,789	81,699	81,381	105,678	122,393	83,125	73,734	109,302	122,422	114,737	171,704	57,634	41,552	75,304	85,327	52,318	**14,860**	**99,500**	**8,100**
10-Jul	132,168	49,577	250,162	113,304	100,632	81,564	84,898	85,702	112,694	125,670	87,773	74,808	110,104	125,989	116,806	178,531	62,294	47,060	78,335	88,859	61,064	**27,985**	**103,500**	**13,126**
11-Jul	135,632	50,732	255,678	115,573	104,618	85,967	89,194	86,278	117,038	129,196	93,589	76,521	110,617	128,878	118,206	184,230	66,419	54,638	81,019	91,253	66,791	**42,779**	**107,100**	**14,793**
12-Jul	140,067	54,206	259,269	117,890	108,888	90,486	94,456	86,278	119,205	131,682	98,109	79,745	111,188	131,649	120,808	194,202	70,260	61,027	83,680	95,603	71,375	**72,941**	**111,000**	**30,162**
13-Jul	142,248	56,301	261,891	119,333	115,590	95,442	99,692	86,278	122,817	134,647	101,199	85,035	113,917	132,769	123,616	200,631	73,850	66,447	85,624	100,551	77,190	**98,658**	**114,700**	**25,717**
14-Jul	145,873	59,389	264,572	122,672	121,616	100,230	103,675	86,278	126,974	137,077	103,602	95,295	117,312	134,614	127,659	207,687	76,967	70,941	87,753	104,421	81,791	**118,211**	**118,500**	**19,554**
15-Jul	147,184	61,634	267,697	124,472	128,259	102,695	105,908	86,278	131,854	139,073	106,100	104,110	120,872	137,242	132,123	212,945	82,257	75,436	89,803	107,735	86,204	**128,813**	**122,100**	**10,602**
16-Jul	149,032	66,920	270,225	127,797	130,229	104,339	109,428	86,278	137,633	141,826	106,863	112,758	124,421	141,659	136,082	218,285	88,208	80,836	91,976	111,470	89,453	**136,180**	**125,700**	**7,366**
17-Jul	150,546	72,272	276,077	130,616	133,526	108,093	112,389	86,278	142,705	144,324	107,740	117,770	126,835	147,866	141,276	221,173	92,180	85,383	94,792	115,570	89,966	**143,087**	**129,400**	**6,907**
18-Jul	151,917	79,555	281,561	134,275	137,506	115,877	115,909	90,356	145,257	146,419	110,337	124,416	131,634	155,582	146,751	226,540	97,518	89,456	99,139	118,788	92,241	**153,537**	**133,700**	**10,450**
19-Jul	153,443	83,510	286,433	136,231	141,050	123,640	118,705	93,290	147,135	147,982	113,473	133,203	137,302	162,850	150,907	229,559	102,793	94,098	103,148	120,972	95,552	**163,570**	**137,700**	**10,033**
20-Jul	154,540	87,412	291,060	142,802	146,018	133,291	122,554	96,029	150,432	150,540	118,716	142,564	145,152	170,566	157,059	232,455	109,879	99,309	106,576	122,466	98,643	**172,862**	**142,400**	**9,292**
21-Jul	155,565	87,412	298,146	146,769	149,068	138,063	127,308	98,444	154,763	154,254	124,889	150,394	152,975	179,125	161,865	234,426	120,429	104,472	111,198	126,872	101,718	**180,318**	**147,200**	**7,456**
22-Jul	157,711	87,412	303,763	155,140	153,585	141,224	132,341	104,582	160,692	159,775	129,446	157,389	156,631	185,644	168,786	239,499	131,233	109,493	115,811	131,081	105,672	**185,810**	**152,300**	**5,493**
23-Jul	160,552	87,412	312,922	162,777	157,073	145,381	137,407	109,959	166,548	165,073	134,395	164,784	163,011	192,810	174,522	247,385	137,207	112,967	121,377	134,700	110,615	**193,472**	**157,600**	**7,662**
24-Jul	164,377	90,640	327,029	169,680	162,273	149,641	142,267	115,406	170,288	168,584	140,324	170,836	170,726	198,234	178,271	258,659	143,986	115,863	126,165	138,280	116,985	**200,400**	**163,200**	**6,928**
25-Jul	166,023	105,836	341,720	178,156	168,096	156,127	147,694	122,367	174,224	172,279	147,993	178,246	177,785	201,618	183,173	271,453	149,919	118,952	130,653	141,466	124,657	**208,930**	**169,600**	**8,530**
26-Jul	167,250	115,745	350,102	184,640	172,054	159,454	153,516	126,666	176,586	175,539	154,849	185,612	183,755	204,355	187,531	280,462	155,537	123,971	134,915	146,462	130,753	**216,098**	**174,800**	**7,168**
27-Jul	169,235	123,371	363,712	193,640	177,124	162,134	157,139	131,250	180,074	180,032	163,274	190,781	186,195	207,341	192,399	289,282	162,945	128,990	139,427	149,570	135,874	**221,574**	**180,100**	**5,476**

Cumulative Daily Run Sizes of Adult Nass River Sockeye Salmon (≥ 45 cm NFL) to Gitwinksihlkw Fishwheels, 2000-2021.

Note: In-season cum. values with yellow shading are preliminary and will change as these fish pass the upper fishwheels to finalize mark-recapture data over a 5-d period.

Date	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	IN-SEASON (FW-MR) 2021 Cum	Mean (94-20)	2021 Daily
28-Jul	171,236	129,728	372,164	200,701	180,082	167,328	162,291	136,809	184,998	186,305	171,932	195,089	188,864	212,549	196,658	300,099	170,666	133,855	143,915	153,315	139,934	**227,114**	**185,600**	**5,540**
29-Jul	172,366	140,409	380,138	208,176	182,136	172,461	167,477	140,439	187,783	192,649	177,858	200,366	195,124	215,940	201,096	308,476	176,755	140,959	148,589	157,195	144,549	**234,655**	**190,900**	**7,540**
30-Jul	175,368	147,982	389,306	218,780	184,304	175,767	172,296	144,996	192,150	196,068	182,855	205,449	198,678	218,059	204,568	321,783	181,903	144,783	151,454	161,526	150,480	**245,317**	**195,800**	**10,662**
31-Jul	178,241	156,115	399,998	229,746	187,131	181,258	176,878	148,868	196,898	202,306	187,793	211,923	202,672	219,876	209,256	327,311	186,207	149,740	158,783	167,031	155,741	**257,647**	**201,100**	**12,330**
01-Aug	179,643	161,655	407,673	239,135	190,874	184,593	181,968	152,404	199,243	208,262	193,139	216,155	207,525	221,269	214,374	330,433	190,999	154,556	163,105	171,452	157,993	**267,652**	**205,400**	**10,005**
02-Aug	182,579	165,862	414,363	249,377	194,249	187,372	187,700	156,518	201,148	214,306	201,075	219,961	211,402	223,085	219,027	336,201	195,601	157,813	166,557	174,746	159,053	**279,147**	**209,500**	**11,495**
03-Aug	191,406	170,583	419,559	261,677	197,333	190,967	191,471	160,512	202,543	224,956	209,066	222,949	213,968	225,992	223,185	342,084	201,395	161,467	169,047	180,431	164,384	**285,501**	**214,100**	**6,354**
04-Aug	201,010	173,645	422,606	265,943	202,744	194,709	195,208	163,550	204,555	234,990	216,395	227,680	216,824	227,695	227,180	346,630	206,376	167,727	175,788	184,599	170,988	**297,688**	**218,800**	**12,187**
05-Aug	209,054	177,699	424,734	269,742	207,011	198,193	198,809	166,834	206,084	243,140	220,694	229,743	218,700	229,502	231,043	350,915	212,197	172,627	180,432	188,553	174,999	**302,047**	**222,800**	**4,359**
06-Aug	214,015	181,570	426,774	273,074	211,531	201,935	203,282	169,319	207,908	248,345	225,599	231,984	221,103	230,585	234,514	356,097	218,098	177,426	184,820	192,806	179,369	**309,606**	**226,700**	**7,559**
07-Aug	217,680	184,923	431,000	278,586	215,759	204,381	207,057	171,278	210,322	252,180	228,960	236,402	222,858	231,979	239,065	361,555	222,813	181,322	190,305	195,528	184,554	**314,430**	**230,300**	**4,824**
08-Aug	220,499	187,819	435,829	284,502	223,907	207,871	210,492	173,130	213,433	255,896	230,633	242,628	224,647	233,476	241,913	365,743	228,197	185,669	194,912	197,952	189,870	**321,123**	**234,000**	**6,693**
09-Aug	223,168	189,952	438,819	290,979	229,967	210,555	213,833	175,104	216,840	259,860	233,098	247,917	226,160	235,024	243,779	369,482	232,396	190,254	199,209	199,950	193,432	**327,199**	**237,300**	**6,076**
10-Aug	225,686	192,147	442,182	297,973	236,522	212,822	216,985	177,243	218,769	262,646	235,696	251,198	227,387	237,088	245,417	372,677	239,017	194,934	201,348	205,564	197,040	**332,383**	**240,600**	**5,184**
11-Aug	228,035	193,702	444,072	302,418	241,819	215,924	219,628	179,035	220,261	265,411	238,293	253,943	228,882	238,255	247,284	377,265	244,196	197,737	203,780	209,461	199,838	**337,325**	**243,600**	**4,942**
12-Aug	229,050	194,341	445,628	304,869	245,231	219,055	222,289	180,598	222,052	266,956	240,714	257,692	230,719	239,249	250,530	382,092	248,730	200,731	206,326	213,045	203,705	**339,760**	**246,500**	**2,436**
13-Aug	230,009	195,201	447,340	307,713	250,191	221,978	226,048	181,457	223,682	268,562	242,915	260,102	231,691	239,725	254,465	385,338	253,728	206,530	208,633	217,256	205,481	**343,429**	**249,400**	**3,669**
14-Aug	231,268	196,000	448,696	309,968	253,446	226,096	230,079	182,131	224,624	269,721	245,601	262,113	233,188	240,805	259,952	392,475	257,143	210,536	210,962	221,362	206,879	**344,867**	**252,300**	**1,438**
15-Aug	232,095	197,159	450,741	311,994	256,097	229,144	233,962	182,698	225,267	271,083	247,267	263,415	234,592	241,583	265,324	397,625	260,905	215,070	213,835	224,972	208,161	**345,455**	**254,800**	**588**
16-Aug	232,552	197,619	452,942	313,824	258,152	230,935	238,241	183,495	226,782	272,194	248,656	263,710	235,780	241,842	267,794	400,915	263,543	219,006	216,273	227,823	208,204	**346,769**	**256,800**	**1,314**
17-Aug	232,780	198,199	455,477	315,330	260,467	233,234	243,014	184,261	227,667	273,062	249,965	264,834	236,397	242,534	268,991	404,507	266,245	221,853	217,884	230,596	208,204	**350,776**	**258,600**	**4,007**
18-Aug	233,665	198,679	457,113	316,564	262,577	236,977	248,553	184,951	228,893	273,843	251,195	266,313	237,107	242,815	270,772	407,857	268,212	223,048	219,429	232,071	208,204	**355,278**	**260,300**	**4,502**
19-Aug	234,207	198,977	458,680	317,558	265,042	240,186	255,305	185,362	229,847	274,433	252,425	267,674	237,446	243,142	273,221	411,721	270,828	224,595	220,815	232,489	208,204	**358,186**	**261,900**	**2,908**
20-Aug	234,749	199,345	459,902	318,702	267,638	241,175	261,581	185,995	230,487	274,972	253,298	269,212	237,894	243,517	275,141	414,181	273,250	225,617	222,628	233,546	208,292		**263,400**	
21-Aug	235,434	199,828	460,832	320,931	269,543	242,167	264,692	186,738	231,032	275,440	254,687	269,770	238,200	243,844	277,618	416,807	274,426	228,333	224,014	234,013	209,277		**264,900**	
22-Aug	235,576	200,219	461,090	322,436	272,426	244,266	267,087	187,418	231,876	275,926	255,775	269,770	238,386	244,312	279,204	421,093	275,977	230,663	225,970	234,013	210,163		**266,200**	
23-Aug	235,576	201,092	461,659	323,581	274,031	249,573	268,436	188,319	232,217	276,266	256,047	269,770	238,670	244,921	281,375	424,907	277,513	231,317	227,926	234,357	211,001		**267,400**	
24-Aug	235,633	201,644	461,865	324,716	274,625	253,795	269,895	188,777	232,511	276,607	256,513	271,345	238,802	245,717	283,093	428,905	279,081	233,329	229,087	235,218	211,066		**268,600**	
25-Aug	235,890	201,874	462,629	325,095	275,814	256,287	271,354	189,030	232,548	276,898	256,979	273,445	238,867	246,104	284,910	432,955	280,534	235,240	229,882	236,635	212,065		**269,600**	
26-Aug	236,033	202,183	463,441	325,527	276,646	258,709	273,694	189,435	232,683	277,481	257,601	275,447	238,942	246,529	286,824	436,629	281,922	236,279	230,719	239,919	215,031		**270,900**	
27-Aug	236,204	202,183	464,254	326,068	277,954	262,124	276,581	189,548	233,039	278,274	257,873	278,860	239,006	246,761	288,469	439,788	282,935	237,401	231,437	245,613	217,653		**272,200**	
28-Aug	236,745	202,227	464,416	326,771	279,113	264,283	278,628	189,885	233,665	278,566	258,184	281,871	239,038	247,110	289,082	441,951	284,984	239,506	232,314	249,799	222,112		**273,400**	
29-Aug	237,664	202,382	464,416	327,041	280,016	266,441	281,985	190,087	234,119	278,809	258,437	285,031	239,124	247,497	289,917	443,052	287,582	240,908	233,330	255,505	224,970		**274,600**	
30-Aug	238,232	202,890	465,131	327,366	280,467	268,363	285,946	190,402	234,536	279,104	258,690	289,194	239,156	247,729	290,530	445,438	289,208	242,617	234,746	258,506	228,409		**275,900**	
31-Aug	238,961	203,376	465,992	327,656	280,733	269,895	287,826	190,807	234,731	279,357	258,690	292,316	239,167	247,922	291,428	447,104	290,497	243,778	236,340	260,490	230,962		**277,000**	
01-Sep	239,475	203,707	466,961	327,850	280,972	272,011	289,840	191,010	234,836	279,621	258,798	295,625	239,210	247,992	292,351	449,333	291,764	244,862	237,018	262,106	232,706		**277,900**	
02-Sep	239,989	203,851	467,788	327,996	281,343	273,263	293,466	191,387	234,875	279,673	258,943	299,119	239,220	248,026	293,326	452,350	294,130	246,022	238,537	263,335	234,255		**278,900**	
03-Sep	240,394	203,959	468,498	328,189	281,795	274,429	296,338	191,794	235,005	279,779	259,160	301,275	239,260	248,096	294,198	454,984	295,883	249,554	240,361	264,186	235,880		**279,900**	
04-Sep	240,637	204,013	469,402	328,577	282,007	275,182	296,338	192,085	235,083	279,863	259,340	302,279	239,280	248,131	295,096	457,596	298,312	252,513	241,576	264,854	236,919		**280,500**	
05-Sep	241,313	204,084	469,596	328,916	282,470	276,152	296,338	192,463	235,161	280,032	259,846	302,874	239,300	248,200	296,224	459,622	300,375	254,094	242,245	265,597	237,838		**281,000**	
06-Sep	241,746	204,192	469,919	328,916	282,742	276,865	296,338	192,695	235,222	280,053	259,918	303,097	239,310	248,270	297,481	461,313	301,783	255,943	242,822	265,802	238,595		**281,400**	
07-Sep	242,097	204,300	469,957	328,916	283,178	278,014	296,338	192,928	235,222	280,116	260,062	303,097	239,330	248,304	298,251	462,731	302,631	257,322	243,217	266,341	239,301		**281,800**	
08-Sep	242,395	204,354	470,014	328,916	283,287	278,411	296,338	193,131	235,222	280,190	260,459	303,097	239,330	248,339	298,687	464,503	303,364	258,836	243,795	266,793	239,659		**282,100**	
09-Sep	242,557	204,479	470,083	328,916	283,532	278,668	296,338	193,553	235,222	280,253	260,892	303,097	239,360	248,339	299,200	465,921	304,135	260,585	245,253	267,074	239,821		**282,400**	
10-Sep	242,746	204,497	470,083	328,916	283,695	279,619	296,338	193,821	235,222	280,295	261,072	303,097	239,380	248,339	299,789	467,121	304,135	260,585	245,739	267,429	240,221		***282,400***	
11-Sep	242,773	204,497	470,083	328,916	283,695	280,702	296,338	193,936	235,222	280,527	261,145	303,097	239,380	248,339	300,149	469,466	304,135	260,585	246,226	267,709	240,731		***282,400***	

Cumulative Daily Run Sizes of Adult Nass River Chinook Salmon (≥ 50 cm NFL) to Gitwinksihlkw Fishwheels, 2000-2021.																							IN-SEASON	
Date	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Mean (94-20)	2021 Daily
01-Jun-21	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	48	0	0	**0**	**0**	
02-Jun-21	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	144	40	18	**0**	**10**	
03-Jun-21	0	0	0	0	0	0	0	0	0	0	0	0	24	17	97	0	46	0	240	100	53	**0**	**30**	
04-Jun-21	0	0	0	0	0	0	0	0	0	0	122	0	24	50	97	0	68	25	288	181	71	**0**	**40**	
05-Jun-21	0	0	0	0	0	0	0	0	0	0	244	0	47	67	161	59	91	50	288	361	106	**0**	**80**	
06-Jun-21	0	0	0	0	0	14	0	0	23	0	488	0	71	67	290	88	114	151	288	442	141	**0**	**110**	
07-Jun-21	0	23	0	0	0	72	0	0	69	0	548	21	71	84	483	133	228	201	336	582	141	**0**	**140**	
08-Jun-21	0	168	0	0	0	72	47	0	115	0	731	106	95	134	772	177	319	226	336	783	177	**0**	**190**	
09-Jun-21	0	306	0	0	0	72	141	0	138	0	914	212	102	167	901	177	410	251	336	984	177	**0**	**240**	
10-Jun-21	0	345	0	0	0	72	157	0	208	0	975	212	126	301	1,030	177	547	251	336	1,084	194	**21**	**300**	21
11-Jun-21	0	352	0	0	16	101	157	0	600	0	1,219	212	134	318	1,287	251	707	251	384	1,144	194	**41**	**390**	21
12-Jun-21	32	559	0	0	49	174	157	0	669	0	1,280	276	142	318	1,706	487	912	251	529	1,184	212	**82**	**480**	41
13-Jun-21	32	1,248	0	0	98	405	157	0	669	0	1,524	467	142	351	2,092	811	1,322	301	577	1,204	300	**123**	**620**	41
14-Jun-21	32	1,409	0	31	147	506	157	0	715	0	1,645	616	142	485	2,478	1,976	1,527	352	769	1,224	300	**123**	**780**	0
15-Jun-21	32	1,471	0	279	245	550	157	0	738	0	1,828	722	300	619	2,768	2,403	1,573	553	865	1,245	424	**123**	**920**	0
16-Jun-21	162	1,731	0	1,164	636	665	157	25	853	159	2,499	892	457	686	2,929	2,624	1,687	653	1,153	1,365	460	**185**	**1,150**	62
17-Jun-21	851	2,252	0	2,513	1,908	1,143	157	37	1,222	319	2,742	977	457	686	3,315	3,170	1,801	754	1,393	1,606	460	**205**	**1,520**	21
18-Jun-21	1,411	2,903	0	5,042	3,946	2,068	157	37	1,315	546	3,352	1,253	489	719	3,701	3,361	2,006	904	1,730	1,766	513	**279**	**2,070**	73
19-Jun-21	2,014	3,209	0	6,035	4,386	2,633	173	37	1,730	865	4,083	1,401	505	803	3,991	3,730	2,165	1,181	1,874	1,807	654	**279**	**2,560**	0
20-Jun-21	2,930	3,278	0	7,059	4,418	2,864	361	37	2,168	1,275	5,058	1,593	520	837	4,280	4,172	2,553	1,281	1,874	2,168	672	**279**	**2,990**	0
21-Jun-21	4,190	3,278	866	11,838	4,418	3,153	896	86	2,629	2,345	6,643	1,869	528	937	4,474	5,086	2,826	1,306	1,874	3,473	672	**279**	**3,670**	0
22-Jun-21	5,482	3,278	2,553	16,771	4,418	3,732	1,760	86	2,883	4,484	8,471	2,187	544	1,054	4,860	6,767	3,100	1,331	1,874	4,717	672	**279**	**4,470**	0
23-Jun-21	7,453	3,278	4,421	18,974	4,418	4,600	3,284	210	2,883	6,738	9,933	2,718	552	1,104	4,924	7,976	3,373	1,482	1,922	5,761	672	**279**	**5,190**	0
24-Jun-21	9,457	3,286	5,816	20,510	4,418	6,133	5,357	1,479	3,114	11,109	11,335	3,164	552	1,221	5,600	9,259	3,738	1,784	1,970	6,403	689	**279**	**6,010**	0
25-Jun-21	11,665	3,692	6,144	21,240	4,418	7,840	9,662	1,886	3,483	15,388	12,615	3,461	552	1,238	5,697	10,615	4,331	1,859	2,162	6,945	725	**293**	**6,810**	15
26-Jun-21	12,752	6,380	6,354	21,519	4,418	9,286	12,553	2,613	4,475	15,912	13,834	3,843	552	1,389	5,761	11,676	4,923	2,035	3,123	7,327	795	**293**	**7,520**	0
27-Jun-21	12,979	9,827	6,354	21,798	4,484	9,966	13,024	3,919	5,766	16,686	14,992	4,311	552	1,506	6,276	12,148	5,334	2,085	5,670	8,029	972	**293**	**8,160**	0
28-Jun-21	12,979	10,546	6,354	22,093	4,516	10,472	13,134	5,201	6,873	20,100	15,845	4,757	568	3,079	6,855	12,826	5,676	2,135	7,496	8,390	1,131	**293**	**8,750**	0
29-Jun-21	12,979	10,738	8,168	22,512	4,908	11,022	13,590	5,571	7,289	22,172	16,454	5,181	828	5,287	7,531	14,168	6,542	2,236	8,553	8,611	2,050	**293**	**9,450**	0
30-Jun-21	12,979	11,067	9,864	22,776	5,658	11,268	16,292	6,076	7,496	23,447	16,637	5,861	1,135	6,592	8,143	14,890	7,020	2,286	9,322	8,712	2,333	**293**	**10,230**	0
01-Jul-21	13,140	13,495	10,821	22,900	6,130	11,514	19,340	6,187	8,027	24,198	16,759	6,901	1,506	7,061	8,625	15,849	7,431	2,437	10,187	8,977	2,740	**293**	**11,110**	0
02-Jul-21	13,754	19,538	11,933	22,915	7,370	11,731	21,414	6,434	8,811	24,721	16,820	7,475	2,578	7,479	9,108	16,999	7,750	2,487	10,427	9,089	3,093	**293**	**12,050**	0
03-Jul-21	14,734	24,501	12,544	23,117	9,163	12,049	22,419	7,679	8,811	24,949	17,003	8,324	4,233	7,646	9,526	17,765	7,864	2,562	10,859	9,138	3,164	**293**	**12,860**	0
04-Jul-21	15,251	25,688	13,291	23,427	10,761	12,382	23,001	11,968	8,811	25,382	17,124	8,515	5,574	8,115	9,526	18,620	7,909	2,638	11,052	9,198	3,164	**352**	**13,550**	59
05-Jul-21	15,413	26,110	13,829	23,877	12,408	12,657	23,535	13,287	8,811	25,837	17,124	8,685	6,062	8,684	9,687	19,078	8,046	2,738	11,292	9,313	3,164	**367**	**13,990**	15
06-Jul-21	15,413	26,393	14,385	24,637	13,337	12,671	23,786	13,521	8,811	26,087	17,246	8,812	6,819	8,935	10,234	19,387	8,183	2,814	11,436	9,693	3,235	**396**	**14,310**	29
07-Jul-21	15,424	26,860	14,786	25,211	13,386	12,729	24,053	15,924	8,857	26,224	17,307	9,046	7,434	9,219	10,428	19,579	8,570	3,065	11,580	10,375	4,366	**396**	**14,700**	0
08-Jul-21	15,553	29,418	15,051	25,956	13,467	13,033	24,116	19,807	9,872	26,338	17,734	9,195	7,671	9,286	10,653	19,741	8,753	3,241	11,868	10,907	6,240	**513**	**15,270**	117
09-Jul-21	15,919	30,008	15,124	26,189	13,630	13,510	24,242	21,878	12,224	26,543	17,917	9,301	7,789	9,387	10,975	19,756	8,981	3,266	11,964	11,049	8,166	**704**	**15,690**	191
10-Jul-21	16,414	30,958	15,224	26,406	13,859	14,103	24,367	23,110	15,799	26,747	18,039	9,471	7,797	9,420	11,168	19,770	9,163	3,391	12,109	11,172	9,969	**1,130**	**16,130**	426
11-Jul-21	16,835	31,379	15,279	26,530	14,169	14,551	24,587	23,172	18,152	26,952	18,160	9,556	7,797	9,504	11,297	19,829	9,231	3,391	12,253	11,239	10,782	**2,258**	**16,400**	1,128
12-Jul-21	18,170	32,221	15,306	26,654	14,690	14,754	25,137	23,172	19,190	26,998	18,282	9,640	7,797	9,520	11,747	20,051	9,322	3,492	12,493	11,335	11,065	**5,007**	**16,700**	2,749
13-Jul-21	18,762	32,681	15,370	26,732	15,342	14,884	26,064	23,172	19,351	27,066	18,404	9,768	7,805	9,537	11,876	20,286	9,414	3,617	12,541	11,456	11,507	**7,427**	**16,910**	2,421
14-Jul-21	19,355	32,911	15,406	26,840	15,783	15,043	26,661	23,172	19,513	27,294	18,465	9,895	7,915	9,587	12,005	20,493	9,482	3,693	12,589	11,560	11,984	**9,561**	**17,090**	2,133
15-Jul-21	19,592	32,987	15,443	26,996	15,946	15,130	26,834	23,172	19,836	27,521	18,587	10,023	7,994	9,604	12,069	20,581	9,505	3,843	12,685	11,688	12,214	**11,058**	**17,200**	1,498
16-Jul-21	19,786	33,148	15,452	27,058	16,027	15,159	26,944	23,172	20,043	27,544	18,587	10,108	8,018	9,604	12,101	20,655	9,550	3,843	13,022	11,726	12,285	**11,674**	**17,270**	615
17-Jul-21	19,980	33,317	15,507	27,213	16,027	15,246	27,148	23,172	20,159	27,749	18,648	10,235	8,025	9,621	12,101	20,714	9,550	3,843	13,166	11,792	12,285	**12,217**	**17,340**	543
18-Jul-21	20,023	33,508	15,534	27,476	16,092	15,304	27,227	23,283	20,228	27,863	18,648	10,362	8,120	9,704	12,165	20,788	9,550	3,944	13,166	11,864	12,320	**12,624**	**17,420**	407
19-Jul-21	20,087	33,608	15,543	27,709	16,174	15,390	27,352	23,369	20,274	27,954	18,770	10,426	8,286	9,738	12,230	20,802	9,573	4,070	13,214	11,907	12,409	**12,808**	**17,490**	185
20-Jul-21	20,163	33,654	15,580	27,926	16,223	15,434	27,384	23,542	20,297	28,022	18,770	10,490	8,609	9,755	12,262	20,817	9,573	4,120	13,406	11,979	12,515	**12,890**	**17,570**	82
21-Jul-21	20,173	33,654	15,607	28,082	16,272	15,506	27,478	23,862	20,343	28,159	18,953	10,554	9,082	9,771	12,294	20,832	9,596	4,170	13,502	12,052	12,603	**12,993**	**17,650**	103
22-Jul-21	20,173	33,654	15,625	28,159	16,288	15,506	27,525	24,257	20,389	28,318	19,014	10,596	9,184	9,805	12,455	20,847	9,642	4,170	13,598	12,074	12,691	**13,075**	**17,710**	82
23-Jul-21	20,249	33,654	15,671	28,268	16,304	15,622	27,525	24,700	20,412	28,432	19,014	10,660	9,271	9,838	12,584	20,935	9,687	4,220	13,935	12,114	12,833	**13,157**	**17,790**	82
24-Jul-21	20,335	33,700	15,680	28,361	16,386	15,651	27,541	25,082	20,412	28,477	19,014	10,702	9,531	9,855	12,616	21,009	9,710	4,245	14,127	12,114	13,009	**13,219**	**17,860**	62
25-Jul-21	20,378	33,769	15,707	28,438	16,516	15,680	27,541	25,551	20,459	28,500	19,014	10,787	9,768	9,855	12,616	21,038	9,710	4,245	14,175	12,114	13,151	**13,260**	**17,920**	41
26-Jul-21	20,421	33,853	15,707	28,531	16,533	15,723	27,572	25,748	20,528	28,591	19,075	10,830	9,870	9,888	12,713	21,127	9,710	4,245	14,319	12,151	13,434	**13,301**	**17,980**	41
27-Jul-21	20,432	33,960	15,735	28,563	16,630	15,766	27,588	25,994	20,574	28,637	19,075	10,872	9,933	9,888	12,745	21,156	9,710	4,321	14,415	12,254	13,540	**13,362**	**18,030**	62
28-Jul-21	20,443	34,021	15,744	28,609	16,647	15,766	27,604	26,192	20,620	28,705	19,136	10,893	9,973	9,888	12,874	21,245	9,778	4,346	14,415	12,254	13,593	**13,444**	**18,070**	82
29-Jul-21	20,453	34,075	15,753	28,656	16,696	15,795	27,604	26,266	20,666	28,728	19,196	10,915	10,036	9,922	12,874	21,245	9,892	4,371	14,415	12,254	13,610	**13,526**	**18,100**	82
30-Jul-21	20,497	34,167	15,789	28,764	16,728	15,810	27,667	26,364	20,689	28,751	19,257	10,936	10,115	9,939	12,906	21,348	9,961	4,421	14,415	12,367	13,805	**13,526**	**18,150**	0
31-Jul-21	20,540	34,282	15,808	28,857	16,777	15,824	27,714	26,438	20,689	28,842	19,257	10,936	10,217	9,939	12,938	21,377	10,006	4,446	14,415	12,367	14,141	**13,567**	**18,190**	41

Cumulative Daily Run Sizes of Adult Nass River Chinook Salmon (≥ 50 cm NFL) to Gitwinksihlkw Fishwheels, 2000-2021.																							IN-SEASON		
Date	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Mean (94-20)	2021 Daily
01-Aug-21	20,550	34,297	15,817	28,873	16,826	15,839	27,761	26,475	20,712	28,864	19,440	10,957	10,327	9,939	12,970	21,377	10,075	4,497	14,463	12,420	14,141	**13,567**	**18,230**	0
02-Aug-21	20,583	34,358	15,817	28,919	16,826	15,882	27,824	26,500	20,712	28,887	19,440	10,957	10,359	9,955	13,002	21,377	10,120	4,572	14,559	12,479	14,141	**13,582**	**18,250**	15
03-Aug-21	20,680	34,397	15,826	29,012	16,859	15,911	27,824	26,500	20,758	28,910	19,440	11,021	10,383	9,955	13,099	21,407	10,166	4,723	14,655	12,508	14,158	**13,597**	**18,290**	15
04-Aug-21	20,852	34,404	15,835	29,043	16,957	15,940	27,824	26,512	20,758	28,955	19,501	11,042	10,398	9,972	13,228	21,422	10,211	4,848	14,655	12,536	14,176	**13,597**	**18,330**	0
05-Aug-21	20,970	34,404	15,853	29,090	16,989	15,969	27,871	26,524	20,781	29,138	19,501	11,063	10,430	9,972	13,324	21,451	10,280	4,873	14,799	12,536	14,247	**13,611**	**18,370**	15
06-Aug-21	21,014	34,443	15,871	29,106	17,054	15,969	27,949	26,561	20,781	29,183	19,562	11,063	10,454	9,972	13,388	21,481	10,325	4,924	14,896	12,536	14,264	**13,611**	**18,400**	0
07-Aug-21	21,078	34,458	15,890	29,106	17,087	16,012	27,981	26,574	20,874	29,342	19,623	11,084	10,461	9,972	13,453	21,495	10,417	4,924	14,896	12,536	14,282	**13,611**	**18,430**	0
08-Aug-21	21,121	34,466	15,890	29,121	17,120	16,027	28,028	26,574	20,920	29,479	19,684	11,106	10,485	9,989	13,517	21,510	10,439	4,924	15,184	12,536	14,335	**13,652**	**18,470**	41
09-Aug-21	21,186	34,496	15,899	29,152	17,217	16,056	28,075	26,598	20,943	29,547	19,745	11,106	10,493	10,039	13,517	21,510	10,439	4,949	15,232	12,536	14,388	**13,734**	**18,500**	82
10-Aug-21	21,218	34,519	15,899	29,183	17,332	16,056	28,075	26,635	20,943	29,547	19,745	11,106	10,525	10,056	13,517	21,525	10,485	4,974	15,232	12,564	14,441	**13,796**	**18,520**	62
11-Aug-21	21,294	34,535	15,908	29,183	17,413	16,070	28,122	26,697	20,989	29,593	19,867	11,127	10,564	10,056	13,517	21,540	10,508	4,974	15,232	12,621	14,512	**13,857**	**18,550**	62
12-Aug-21	21,315	34,565	15,935	29,230	17,413	16,085	28,169	26,709	21,012	29,593	19,989	11,127	10,611	10,056	13,549	21,554	10,599	5,024	15,232	12,683	14,565	**13,878**	**18,580**	21
13-Aug-21	21,358	34,596	15,935	29,245	17,462	16,099	28,185	26,722	21,058	29,593	20,050	11,169	10,643	10,056	13,582	21,584	10,622	5,125	15,328	12,773	14,600	**13,919**	**18,610**	41
14-Aug-21	21,412	34,596	15,935	29,261	17,527	16,114	28,185	26,746	21,058	29,661	20,111	11,169	10,643	10,056	13,646	21,628	10,667	5,150	15,376	12,829	14,653	**13,919**	**18,640**	0
15-Aug-21	21,444	34,619	15,944	29,292	17,625	16,114	28,232	26,759	21,058	29,775	20,111	11,169	10,666	10,056	13,678	21,658	10,713	5,150	15,520	12,847	14,689	**13,919**	**18,670**	0
16-Aug-21	21,477	34,634	15,944	29,307	17,641	16,114	28,264	26,808	21,081	29,843	20,111	11,169	10,666	10,073	13,678	21,672	10,736	5,175	15,616	12,862	14,689	**13,919**	**18,690**	0
17-Aug-21	21,509	34,634	15,953	29,307	17,674	16,143	28,279	26,820	21,151	29,843	20,172	11,169	10,682	10,073	13,678	21,746	10,736	5,200	15,616	12,877	14,689	**13,940**	**18,710**	21
18-Aug-21	21,509	34,634	15,972	29,307	17,690	16,171	28,311	26,833	21,151	29,889	20,172	11,169	10,682	10,089	13,678	21,775	10,736	5,225	15,616	12,890	14,689	**13,960**	**18,720**	21
19-Aug-21	21,531	34,642	15,972	29,307	17,707	16,200	28,389	26,857	21,174	29,912	20,232	11,169	10,714	10,106	13,710	21,820	10,758	5,225	15,712	12,890	14,689	**13,981**	**18,740**	21
20-Aug-21	21,541	34,657	15,999	29,338	17,739	16,200	28,436	26,870	21,174	29,912	20,232	11,191	10,722	10,106	13,710	21,820	10,804	5,225	15,712	12,907	14,689		**18,760**	
21-Aug-21	21,541	34,657	16,017	29,338	17,772	16,200	28,452	26,870	21,197	29,934	20,232	11,191	10,729	10,106	13,871	21,834	10,804	5,225	15,760	12,923	14,689		**18,770**	
22-Aug-21	21,552	34,657	16,017	29,338	17,853	16,215	28,468	26,894	21,197	29,957	20,232	11,191	10,745	10,123	13,871	21,864	10,804	5,275	15,808	12,923	14,706		**18,790**	
23-Aug-21	21,552	34,657	16,017	29,354	17,902	16,258	28,468	26,956	21,266	30,048	20,232	11,191	10,745	10,139	13,903	21,908	10,827	5,300	15,808	12,923	14,706		**18,810**	
24-Aug-21	21,552	34,657	16,017	29,385	17,935	16,345	28,484	26,980	21,381	30,071	20,232	11,191	10,753	10,139	13,968	21,952	10,850	5,300	15,808	12,954	14,724		**18,830**	
25-Aug-21	21,552	34,665	16,017	29,385	17,935	16,374	28,484	26,993	21,381	30,071	20,293	11,191	10,753	10,139	14,000	22,041	10,872	5,351	15,808	12,954	14,724		**18,840**	
26-Aug-21	21,552	34,680	16,017	29,400	17,935	16,417	28,499	26,993	21,381	30,116	20,293	11,212	10,753	10,139	14,097	22,115	10,895	5,351	15,857	13,015	14,742		**18,860**	
27-Aug-21	21,563	34,680	16,017	29,400	17,967	16,446	28,515	26,993	21,404	30,116	20,293	11,212	10,761	10,156	14,097	22,159	10,918	5,376	15,905	13,048	14,759		**18,880**	
28-Aug-21	21,574	34,680	16,017	29,416	17,967	16,533	28,546	26,993	21,473	30,139	20,293	11,233	10,777	10,173	14,129	22,188	10,918	5,527	15,953	13,066	14,901		**18,910**	
29-Aug-21	21,584	34,688	16,017	29,416	17,967	16,562	28,546	26,993	21,496	30,185	20,293	11,297	10,777	10,173	14,161	22,188	10,918	5,527	15,953	13,088	14,918		**18,920**	
30-Aug-21	21,595	34,695	16,017	29,447	17,967	16,562	28,562	27,030	21,543	30,185	20,354	11,318	10,777	10,206	14,161	22,188	10,918	5,552	15,953	13,099	15,042		**18,940**	
31-Aug-21	21,606	34,695	16,017	29,447	17,984	16,605	28,562	27,042	21,589	30,185	20,354	11,318	10,777	10,206	14,161	22,203	10,918	5,652	15,953	13,135	15,113		**18,950**	
01-Sep-21	21,606	34,695	16,026	29,447	17,984	16,605	28,562	27,042	21,589	30,207	20,354	11,382	10,777	10,206	14,161	22,203	10,918	5,652	15,953	13,138	15,148		**18,960**	
02-Sep-21	21,606	34,695	16,035	29,447	17,984	16,634	28,562	27,054	21,589	30,207	20,354	11,467	10,785	10,206	14,161	22,203	10,918	5,652	15,953	13,145	15,201		**18,970**	
03-Sep-21	21,617	34,695	16,035	29,462	17,984	16,649	28,609	27,054	21,612	30,207	20,354	11,488	10,785	10,206	14,161	22,233	10,918	5,652	16,049	13,154	15,254		**18,980**	
04-Sep-21	21,617	34,695	16,072	29,462	17,984	16,649	28,609	27,067	21,658	30,207	20,354	11,488	10,785	10,206	14,193	22,247	10,941	5,652	16,097	13,160	15,272		**18,990**	
05-Sep-21	21,617	34,695	16,072	29,462	17,984	16,649	28,609	27,067	21,681	30,207	20,415	11,509	10,785	10,223	14,225	22,262	10,941	5,677	16,145	13,173	15,290		**19,000**	
06-Sep-21	21,617	34,695	16,072	29,462	17,984	16,649	28,609	27,067	21,681	30,207	20,537	11,509	10,785	10,240	14,257	22,262	10,941	5,677	16,193	13,181	15,325		**19,010**	
07-Sep-21	21,617	34,695	16,072	29,462	17,984	16,663	28,609	27,091	21,681	30,207	20,537	11,509	10,785	10,240	14,290	22,262	10,964	5,677	16,193	13,199	15,325		**19,020**	
08-Sep-21	21,617	34,703	16,072	29,462	17,984	16,678	28,609	27,104	21,681	30,230	20,537	11,509	10,785	10,240	14,290	22,262	10,964	5,677	16,241	13,199	15,343		**19,020**	
09-Sep-21	21,617	34,703	16,081	29,462	17,984	16,678	28,609	27,116	21,681	30,230	20,537	11,509	10,785	10,240	14,290	22,262	11,009	5,677	16,241	13,199	15,343		**19,030**	
10-Sep-21	21,617	34,703	16,081	29,462	17,984	16,721	28,609	27,116	21,681	30,230	20,537	11,509	10,785	10,240	14,322	22,262	11,009	5,677	16,241	13,199	15,360		**19,030**	
11-Sep-21	21,617	34,703	16,081	29,462	17,984	16,721	28,609	27,116	21,681	30,230	20,537	11,509	10,785	10,240	14,354	22,262	11,009	5,677	16,241	13,199	15,378		**19,030**	

Cumulative Daily Run Sizes of Adult Nass River Coho Salmon (≥ 40 cm NFL) to Gitwinksihlkw Fishwheels, 2000-2021.

Date	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	In-season 2021	Mean Cum (94-20)	Daily 2021
18-Jul-21	25	0	66	190	161	116	173	0	99	222	142	239	26	891	37	227	585	231	39	21	15	**22**	**100**	22
19-Jul-21	51	0	66	317	210	154	288	0	165	318	284	342	38	1,337	74	294	739	357	39	64	46	**39**	**200**	16
20-Jul-21	51	0	66	412	403	193	447	25	329	477	332	512	64	1,723	148	317	1,016	588	116	129	46	**54**	**300**	15
21-Jul-21	101	0	265	508	500	193	562	25	379	699	474	649	103	2,110	333	385	1,416	945	154	193	46	**83**	**400**	29
22-Jul-21	127	0	563	698	629	251	634	25	461	1,048	616	820	115	2,912	500	521	2,002	1,366	309	300	92	**119**	**500**	37
23-Jul-21	152	0	629	1,301	742	771	778	25	692	1,557	711	1,195	205	3,536	870	634	2,340	1,660	309	493	123	**311**	**700**	192
24-Jul-21	202	0	795	1,777	1,161	1,041	908	99	972	2,065	876	1,400	231	4,398	1,314	702	3,264	1,849	463	665	184	**451**	**900**	140
25-Jul-21	228	49	894	2,411	1,629	1,368	1,124	669	1,334	2,383	1,066	1,571	384	5,259	1,684	997	3,849	2,437	733	944	338	**861**	**1,200**	410
26-Jul-21	329	81	1,060	2,982	2,000	1,657	1,427	818	1,647	3,145	1,350	1,912	449	6,091	2,332	1,404	4,742	2,920	1,081	1,287	599	**1,241**	**1,500**	380
27-Jul-21	405	146	1,226	3,427	2,807	1,869	1,657	1,065	2,009	4,670	1,918	2,356	564	7,102	2,924	1,654	5,327	3,635	1,312	1,587	753	**1,629**	**1,900**	389
28-Jul-21	658	211	1,755	4,347	3,404	2,197	2,118	1,462	2,503	6,259	2,416	2,698	730	8,439	4,183	2,084	6,651	3,971	2,007	1,952	1,014	**2,168**	**2,400**	538
29-Jul-21	759	454	2,451	5,172	3,968	2,525	2,997	1,635	2,767	7,816	3,363	3,074	987	10,014	5,275	2,311	7,914	5,484	2,741	2,467	1,352	**2,762**	**3,000**	594
30-Jul-21	1,088	908	3,875	6,123	4,662	2,737	3,703	2,478	3,508	8,673	4,216	4,098	1,333	11,707	6,219	2,945	9,392	6,513	2,856	3,068	2,596	**3,825**	**3,700**	1,064
31-Jul-21	1,493	1,557	4,736	7,361	5,711	3,373	4,640	2,998	4,249	10,897	6,111	5,225	1,833	14,144	7,477	3,285	11,578	8,068	4,014	3,861	3,319	**5,333**	**4,700**	1,508
1-Aug-21	2,100	2,432	5,664	8,122	6,904	4,221	5,879	3,791	5,188	12,708	7,437	6,352	2,755	15,957	9,513	3,624	13,426	11,640	5,134	5,213	3,749	**6,723**	**5,700**	1,390
2-Aug-21	2,733	3,713	6,790	9,233	7,840	4,741	7,537	4,683	5,912	15,155	9,877	8,708	3,742	18,512	12,289	4,213	15,920	15,065	6,137	6,393	3,964	**8,465**	**7,000**	1,742
3-Aug-21	5,365	4,945	8,678	11,295	8,421	5,338	8,891	5,426	7,049	23,225	13,074	10,587	4,793	23,415	17,675	5,391	18,537	18,678	6,330	7,508	4,671	**9,364**	**8,800**	898
4-Aug-21	12,830	6,275	11,394	13,104	9,824	5,705	10,606	6,169	8,762	30,310	16,461	12,328	5,754	27,872	22,135	7,000	20,231	23,742	8,376	8,473	5,715	**13,487**	**10,900**	4,123
5-Aug-21	16,778	7,459	13,315	14,309	11,308	6,379	12,047	7,433	11,298	40,159	20,061	13,285	6,831	32,924	24,985	7,702	23,803	28,595	10,537	9,739	6,407	**15,014**	**13,000**	1,527
6-Aug-21	20,296	8,237	14,607	16,879	13,776	6,957	13,949	8,399	13,982	46,989	23,330	14,275	8,676	35,954	28,076	8,630	29,069	31,285	13,008	11,112	6,898	**16,482**	**15,000**	1,469
7-Aug-21	26,218	9,761	15,865	19,290	14,373	8,210	15,505	9,192	16,897	53,280	26,006	15,641	11,201	38,956	30,704	9,423	32,363	34,037	15,015	13,000	7,728	**18,703**	**17,000**	2,221
8-Aug-21	30,520	12,809	17,886	21,892	16,922	9,540	16,990	10,282	19,137	57,093	28,588	16,632	14,405	42,818	33,295	10,443	35,843	36,306	16,868	14,931	9,418	**22,737**	**19,100**	4,034
9-Aug-21	33,202	17,285	18,648	24,272	20,261	11,236	18,820	11,620	22,069	60,301	33,348	17,485	16,814	46,860	35,349	11,598	39,076	39,038	19,029	15,853	10,678	**26,429**	**21,300**	3,692
10-Aug-21	36,745	20,998	20,238	26,461	23,262	12,835	21,024	12,883	24,589	63,606	36,546	18,305	18,916	52,565	37,552	12,459	43,818	42,946	20,033	18,513	12,644	**29,228**	**23,700**	2,799
11-Aug-21	39,301	24,370	23,715	29,538	26,133	14,839	22,538	14,692	28,591	66,910	40,075	18,988	24,183	57,111	38,403	13,184	48,684	45,866	22,156	20,744	13,889	**31,664**	**26,600**	2,436
12-Aug-21	41,047	29,689	28,021	32,553	27,537	16,593	24,411	16,699	31,802	69,166	43,533	19,910	29,232	62,192	39,810	13,523	52,348	48,156	24,510	22,996	15,932	**34,910**	**29,400**	3,246
13-Aug-21	42,363	35,331	31,797	34,837	30,037	18,597	26,803	18,929	33,680	74,249	47,322	20,969	32,308	64,480	41,549	14,180	57,152	51,350	27,521	25,013	18,590	**39,364**	**32,000**	4,454
14-Aug-21	43,452	38,963	35,142	38,327	32,957	21,970	29,195	20,737	34,684	78,538	51,538	21,754	35,666	67,689	45,029	15,630	61,863	53,808	29,335	26,944	20,710	**40,654**	**34,600**	**1,290**
15-Aug-21	44,287	43,503	42,429	41,373	35,441	26,114	32,668	22,447	35,771	83,780	54,215	22,847	38,280	70,928	50,544	17,963	67,036	56,813	32,616	29,046	22,032	**42,699**	**37,400**	**2,045**
16-Aug-21	45,071	47,168	52,598	44,958	37,344	27,944	35,593	24,553	37,912	89,976	56,891	23,120	41,035	73,276	56,818	20,047	70,300	59,607	35,009	31,191	22,093	**44,465**	**40,200**	**1,766**
17-Aug-21	45,982	49,778	60,150	46,957	39,248	32,589	37,582	25,643	39,279	96,393	61,320	24,384	42,676	76,782	62,814	21,814	77,537	61,351	35,820	33,422	22,093	**49,510**	**43,000**	**5,045**
18-Aug-21	47,323	52,243	66,641	49,114	40,764	36,867	39,498	26,931	41,832	102,938	64,778	26,125	44,662	79,664	66,738	22,811	82,925	61,897	36,939	34,452	22,093	**52,700**	**45,400**	**3,190**
19-Aug-21	48,589	55,486	71,842	51,843	42,716	41,242	41,905	27,625	44,697	108,308	68,141	27,252	46,610	81,417	72,994	23,604	87,729	62,738	38,367	34,988	22,093	**55,708**	**47,600**	**3,008**
20-Aug-21	49,525	57,594	76,015	54,952	45,588	42,822	44,427	29,607	47,629	113,073	71,173	28,106	48,366	83,884	78,065	24,283	91,455	64,628	40,452	36,168	22,293		**50,000**	
21-Aug-21	49,981	58,988	79,592	58,125	48,637	43,497	46,386	31,540	51,153	117,553	72,689	28,721	50,006	89,203	81,452	25,710	94,596	67,633	42,227	36,597	23,276		**52,100**	
22-Aug-21	50,132	60,237	80,652	60,536	51,121	45,520	47,712	33,299	57,922	123,907	73,399	28,721	52,133	92,441	84,098	27,545	100,077	72,150	44,389	36,597	24,705		**54,400**	
23-Aug-21	50,132	62,426	82,606	62,757	52,186	51,745	48,519	34,736	61,644	129,594	73,968	28,721	53,915	96,483	86,800	29,108	103,495	73,726	45,508	37,519	25,703		**56,300**	
24-Aug-21	50,487	63,820	83,931	65,232	53,363	57,527	49,052	36,123	64,444	136,044	74,773	29,131	55,094	100,108	89,373	30,467	107,806	75,869	47,245	40,158	25,765		**58,400**	
25-Aug-21	51,550	65,506	87,608	66,914	54,170	60,977	49,686	36,991	64,741	140,682	76,241	30,599	56,260	103,436	91,316	32,143	111,440	79,924	48,596	45,242	27,624		**60,300**	
26-Aug-21	51,980	67,112	94,431	68,817	54,734	63,848	50,248	38,229	65,613	149,388	77,189	33,980	57,016	105,605	93,796	33,503	113,257	82,824	49,985	51,785	31,219		**62,500**	
27-Aug-21	52,638	67,112	98,041	69,928	55,363	68,377	50,767	39,468	68,413	155,932	77,970	37,942	57,862	107,536	95,536	34,930	114,673	85,429	50,680	61,610	33,723		**64,700**	
28-Aug-21	54,080	67,339	99,134	70,975	55,863	72,771	51,171	40,781	72,086	161,079	78,515	42,894	58,554	110,092	97,738	35,632	117,167	90,093	51,414	66,973	36,427		**66,600**	
29-Aug-21	58,129	70,079	99,962	72,434	56,718	75,431	51,603	41,450	74,523	166,925	79,155	46,138	59,323	112,350	99,441	36,447	118,861	93,182	52,031	76,583	37,948		**68,600**	
30-Aug-21	60,736	74,084	114,834	72,974	57,364	78,264	52,338	42,342	77,521	172,231	79,723	50,987	60,476	114,281	101,014	37,308	120,123	96,880	53,228	80,209	40,760		**71,000**	
31-Aug-21	63,520	76,857	124,804	73,703	57,622	80,480	53,116	43,432	80,073	177,886	80,315	54,983	61,335	115,619	102,994	37,852	121,201	99,149	53,923	83,233	42,603		**72,900**	
1-Sep-21	65,013	78,397	134,542	74,528	57,993	83,005	53,534	44,448	82,379	182,620	80,599	57,613	62,014	117,253	103,864	38,509	122,895	101,418	54,386	84,799	43,710		**74,500**	
2-Sep-21	66,405	79,970	141,862	75,036	58,380	84,778	53,995	45,290	82,824	185,511	80,765	60,276	62,745	118,649	105,326	39,437	125,605	104,233	54,965	86,365	44,693		**75,900**	
3-Sep-21	67,240	81,494	150,705	75,988	58,654	86,763	54,730	46,306	83,631	188,116	81,120	62,189	63,321	119,600	107,621	40,887	127,729	107,196	55,852	87,180	46,014		**77,300**	
4-Sep-21	67,898	82,532	158,654	76,844	58,848	88,169	54,730	47,050	84,059	191,039	81,191	63,316	63,937	120,640	109,139	41,997	130,070	109,990	56,354	88,017	47,151		**78,500**	
5-Sep-21	68,404	84,283	163,291	77,574	59,170	89,673	54,730	47,818	84,520	192,787	81,855	64,101	64,616	121,977	110,971	42,745	132,194	112,133	56,586	88,961	48,303		**79,600**	
6-Sep-21	68,885	85,515	165,709	77,574	59,396	90,521	54,730	48,586	84,817	194,216	82,778	64,819	65,308	122,988	113,340	43,107	134,042	113,667	56,817	89,583	49,379		**80,300**	
7-Sep-21	69,112	86,764	166,239	77,574	59,671	91,349	54,730	49,601	84,817	195,837	83,607	64,819	65,923	124,206	114,802	43,492	135,150	114,781	57,165	90,312	50,331		**80,900**	
8-Sep-21	69,416	87,493	167,266	77,574	59,880	92,101	54,730	50,370	84,817	197,171	84,792	64,819	66,384	125,157	116,172	43,741	136,505	115,768	57,474	90,870	51,376		**81,500**	
9-Sep-21	69,644	88,174	167,829	77,574	60,025	92,563	54,730	51,261	84,817	198,378	85,668	64,819	66,974	125,929	117,282	44,058	137,214	116,419	57,975	91,321	52,068		**81,900**	
10-Sep-21	69,948	88,596	167,829	77,574	60,106	93,932	54,730	52,228	84,817	199,522	86,473	64,819	67,448	126,880	119,521	44,262	137,214	116,419	58,014	92,243	52,820		**82,400**	

Nass Summer-run Steelhead Cumulative Daily Run Size Estimates to Gitwinksihlkw Fishwheels, 2000-2021.

Date	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	IN-SEASON 2021	Mean Cum (94-20)	Daily 2021
1-Jul-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**	
2-Jul-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	**0**	
3-Jul-21	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	51	0	0	**0**	**0**	
4-Jul-21	0	0	0	0	0	0	0	0	0	0	0	115	47	0	0	0	0	0	51	0	0	**0**	**10**	
5-Jul-21	0	0	0	0	0	0	0	0	0	0	0	115	47	0	0	0	0	0	51	0	0	**0**	**10**	
6-Jul-21	0	0	0	0	0	0	0	0	0	0	0	115	47	0	0	0	0	0	51	0	0	**0**	**10**	
7-Jul-21	0	0	0	0	0	0	0	0	0	0	0	115	71	0	32	38	48	0	51	0	0	**0**	**20**	
8-Jul-21	0	0	0	0	0	0	0	66	0	0	0	115	71	0	32	38	48	0	51	0	0	**0**	**20**	
9-Jul-21	0	0	0	0	0	0	0	66	0	0	0	115	71	0	32	38	143	0	101	0	0	**0**	**30**	
10-Jul-21	31	0	0	0	0	0	0	99	0	0	0	115	71	0	32	38	191	0	101	0	0	**0**	**30**	
11-Jul-21	31	0	0	0	0	0	0	99	0	0	0	115	71	0	32	38	238	0	152	0	19	**0**	**40**	
12-Jul-21	31	0	0	0	0	0	0	99	0	0	0	115	71	0	63	38	238	0	152	0	19	**0**	**40**	
13-Jul-21	31	0	0	0	0	0	0	99	0	0	0	115	71	0	95	77	238	0	152	0	19	**0**	**50**	
14-Jul-21	31	28	0	0	0	41	0	99	0	0	0	115	71	0	158	115	238	0	253	96	19	**0**	**60**	
15-Jul-21	31	28	0	0	0	41	0	99	0	0	0	115	71	0	189	115	238	0	304	96	19	**0**	**70**	
16-Jul-21	61	28	0	0	0	41	29	99	0	0	76	173	71	0	189	153	238	0	304	96	19	**0**	**80**	
17-Jul-21	154	56	51	0	0	41	29	99	0	0	76	173	71	0	189	230	238	0	405	96	19	**0**	**90**	
18-Jul-21	154	56	51	0	0	82	29	132	81	0	76	288	71	0	221	345	238	0	507	96	19	**0**	**110**	
19-Jul-21	154	56	51	0	17	82	29	132	122	0	152	403	71	0	221	345	238	0	557	96	19	**0**	**130**	
20-Jul-21	154	56	51	0	34	82	29	132	122	0	152	460	71	0	221	383	238	29	659	96	19	**0**	**140**	
21-Jul-21	154	56	51	0	51	82	58	132	122	0	303	460	71	0	252	383	238	58	1,115	96	19	**0**	**170**	
22-Jul-21	154	56	51	59	51	164	58	132	162	0	455	460	95	52	347	383	381	58	1,368	96	19	**0**	**210**	
23-Jul-21	184	56	103	59	51	246	58	132	244	51	531	633	95	104	568	383	381	58	1,926	96	56	**51**	**270**	51
24-Jul-21	307	56	154	176	68	246	58	132	325	102	683	748	142	157	694	421	572	58	2,382	128	74	**51**	**340**	0
25-Jul-21	307	83	206	411	68	287	88	132	487	102	683	863	166	261	884	421	619	115	2,483	128	93	**81**	**390**	30
26-Jul-21	369	111	206	764	85	287	88	132	609	203	834	863	213	261	1,041	536	858	202	3,193	161	93	**105**	**490**	24
27-Jul-21	369	167	257	823	169	328	88	132	731	305	1,062	1,093	237	313	1,199	575	1,668	259	3,852	161	148	**126**	**610**	21
28-Jul-21	430	195	360	1,058	186	328	88	132	893	457	1,290	1,266	261	418	1,326	728	2,478	288	4,054	161	185	**144**	**720**	18
29-Jul-21	461	278	565	1,352	254	328	146	132	974	660	1,365	1,381	261	679	1,420	766	3,145	288	4,308	161	241	**222**	**830**	78
30-Jul-21	522	306	925	1,646	271	328	175	132	1,218	711	1,441	1,381	356	783	1,452	920	3,526	346	4,358	257	334	**246**	**930**	24
31-Jul-21	676	390	1,285	1,940	305	369	234	198	1,421	711	1,669	1,438	403	836	1,578	996	4,146	375	4,409	289	408	**309**	**1,040**	63
1-Aug-21	738	445	1,593	2,116	423	574	234	232	1,543	711	1,896	1,496	545	836	1,799	1,035	4,574	461	4,510	418	408	**334**	**1,150**	25
2-Aug-21	830	918	2,004	2,762	525	656	263	232	1,746	711	2,124	1,553	711	836	2,241	1,035	5,623	663	4,713	578	408	**334**	**1,330**	0
3-Aug-21	1,199	1,057	2,107	2,880	609	697	292	265	1,949	914	2,427	1,726	924	836	2,903	1,149	6,385	836	4,814	642	463	**334**	**1,500**	0
4-Aug-21	1,813	1,197	2,313	3,056	745	697	322	364	1,989	1,321	2,427	1,841	1,090	836	3,156	1,494	7,052	980	5,423	675	593	**449**	**1,690**	115
5-Aug-21	2,428	1,197	2,724	3,409	846	738	380	430	2,355	1,727	2,731	1,956	1,161	836	3,503	1,724	7,481	1,153	5,879	675	667	**449**	**1,890**	0
6-Aug-21	2,735	1,224	2,827	3,585	931	861	556	562	2,476	1,879	2,807	2,014	1,327	888	3,977	1,916	8,625	1,210	6,943	675	667	**449**	**2,090**	0
7-Aug-21	3,135	1,336	2,878	3,879	948	902	702	629	2,720	2,692	2,958	2,129	1,517	888	4,229	2,184	9,578	1,297	8,109	707	686	**682**	**2,320**	233
8-Aug-21	3,381	1,558	3,135	4,232	1,049	1,066	789	662	2,842	3,200	2,958	2,531	1,849	992	4,545	2,529	9,911	1,441	9,122	707	760	**809**	**2,520**	127
9-Aug-21	4,088	2,087	3,289	4,820	1,100	1,147	819	728	2,923	4,064	3,338	2,762	2,015	1,201	4,734	2,759	9,911	1,470	10,288	707	797	**1,023**	**2,760**	214
10-Aug-21	4,610	2,282	3,289	5,407	1,371	1,229	936	827	3,004	4,521	3,793	2,992	2,275	1,410	5,144	2,950	10,340	1,671	10,643	803	797	**1,111**	**2,980**	88
11-Aug-21	5,286	2,588	3,341	5,995	1,557	1,270	994	893	3,166	4,673	4,399	3,510	2,631	1,515	5,207	3,142	10,864	1,729	10,845	1,092	871	**1,235**	**3,230**	124
12-Aug-21	5,655	3,033	3,546	6,465	1,659	1,352	1,082	1,092	3,248	4,673	4,627	3,797	3,200	1,619	5,302	3,257	11,103	1,873	11,251	1,124	1,038	**1,287**	**3,420**	53
13-Aug-21	5,963	3,311	3,803	6,877	1,794	1,475	1,199	1,224	3,329	5,689	4,855	4,027	3,460	1,724	5,460	3,257	11,579	2,305	12,568	1,221	1,168	**1,287**	**3,690**	0
14-Aug-21	6,331	3,423	3,906	7,406	2,099	1,598	1,257	1,323	3,329	6,654	5,765	4,315	3,934	1,724	5,681	3,525	12,103	2,363	13,075	1,349	1,390	**1,287**	**3,940**	0
15-Aug-21	6,608	3,701	3,906	7,700	2,302	1,598	1,316	1,522	3,410	7,467	6,144	4,488	4,622	1,724	5,965	3,640	12,866	2,536	13,785	1,381	1,446	**1,400**	**4,170**	113
16-Aug-21	6,946	3,896	4,317	7,935	2,336	1,639	1,403	1,820	3,532	7,873	6,751	4,545	5,120	1,776	6,186	3,985	13,104	3,026	14,595	1,445	1,446	**1,400**	**4,410**	0
17-Aug-21	7,100	4,257	5,088	8,405	2,471	1,639	1,550	2,051	3,694	8,533	7,130	4,545	5,594	1,828	6,470	4,636	13,580	3,141	15,710	1,574	1,446	**1,478**	**4,710**	77
18-Aug-21	7,315	4,369	5,705	8,522	2,589	1,926	1,667	2,183	3,816	9,651	7,358	4,545	5,996	2,089	6,817	4,943	13,962	3,141	17,281	1,638	1,446	**1,505**	**5,000**	27
19-Aug-21	7,499	4,703	6,013	8,640	2,657	1,967	1,900	2,250	4,222	10,159	7,509	4,660	6,518	2,089	7,322	5,173	14,819	3,141	17,991	1,638	1,446	**1,629**	**5,230**	124
20-Aug-21	7,807	4,897	6,270	9,169	2,742	1,967	2,076	2,283	4,912	10,464	7,661	4,775	6,850	2,194	7,606	5,249	15,343	3,170	19,106	1,638	1,464		**5,470**	
21-Aug-21	8,022	5,287	6,733	9,815	2,843	1,967	2,339	2,448	5,237	10,565	8,040	4,775	7,229	2,194	8,395	5,747	15,439	3,314	19,410	1,638	1,501		**5,730**	
22-Aug-21	8,052	5,565	7,041	10,286	3,046	1,967	2,456	2,514	6,008	11,276	8,344	4,775	7,513	2,455	9,058	6,705	15,677	3,602	19,765	1,638	1,501		**6,040**	
23-Aug-21	8,052	5,704	7,195	10,580	3,165	2,377	2,631	2,713	6,658	12,292	8,420	4,775	7,798	2,820	10,131	7,203	16,106	3,689	19,815	1,702	1,538		**6,320**	
24-Aug-21	8,052	6,205	7,195	11,344	3,216	2,828	2,865	2,845	7,429	12,648	8,875	4,890	8,082	3,238	11,298	7,586	16,630	3,919	20,069	1,735	1,538		**6,660**	
25-Aug-21	8,175	6,567	7,247	11,873	3,266	3,197	3,011	3,011	7,429	13,308	9,178	5,063	8,343	3,343	12,024	7,970	16,964	4,323	20,424	1,863	1,557		**6,900**	
26-Aug-21	8,206	6,957	7,658	12,166	3,419	3,320	3,099	3,143	7,429	13,664	9,482	5,178	8,485	3,447	13,066	8,813	17,059	4,582	20,829	2,216	1,779		**7,190**	
27-Aug-21	8,268	6,957	7,966	12,637	3,571	3,729	3,128	3,209	7,632	13,968	10,240	6,098	8,746	3,656	13,602	9,732	17,154	4,813	21,184	2,666	2,057		**7,510**	

2021 Nass Fishwheel Catches

	GW		GW Total	GH				GH Total	Grand Total
Data	FW1	FW2		FW3	FW4	FW5	FW6		
Chin-adult catch	**320**	**375**	**695**	**615**	**0**	**1,469**	**700**	**2,784**	**3,479**
Chin-tagged	274	339	613	393	0	836	412	1,641	2,254
Chin-Pit tags	272	335	607	332	0	713	322	1,367	1,974
Chin-recaps	23	13	36	76	0	210	125	411	447
Chin-Jacks	146	200	346	214	0	827	370	1411	1757
Sum of CH Harv	0	0	0	0	0	0	0	0	0
Sockeye-adult catch	**6,629**	**9,646**	**16,275**	**8,845**	**0**	**24,476**	**11,215**	**44,536**	**60,811**
Sockeye-tagged	3,093	4,884	7,977	0	0	0	0	0	7,977
Sockeye-PIT Tags	2,421	3,160	5,581	0	0	0	0	0	5,581
Sockeye-recaps	171	168	339	142	0	429	178	749	1088
Sockeye_jacks	370	415	785	476	0	2032	799	3307	4092
Sum of sk_harvest_total	0	0	0	0	0	0	0	0	0
Coho-adult catch	**1,014**	**1,071**	**2,085**	**760**	**0**	**3,139**	**986**	**4,885**	**6,970**
Coho-tagged	596	831	1,427	0	0	0	0	0	1,427
Coho-PIT tags	460	577	1,037	0	0	0	0	0	1,037
Coho-recaps	33	31	64	5	0	90	13	108	172
Coho-jack	5	9	14	6	0	22	12	40	54
Sum of co_harvest_total	0	0	0	0	0	0	0	0	0
Steel-adult catch	**15**	**39**	**54**	**8**	**0**	**31**	**20**	**59**	**113**
Steel-Adipose marked	11	37	48	7	0	26	17	50	98
Steel-unmarked	4	2	6	1	0	5	3	9	15
Steel-recap-total	1	0	1	2	0	4	2	8	9
Pacific Lamprey-catch	**31**	**119**	**150**	**118**	**0**	**627**	**388**	**1133**	**1283**
Lamprey-tagged	24	76	100	33	0	253	150	436	536
Lamprey-released	7	43	50	85	0	374	238	697	747
Lamprey-recaps	0	0	0	1	0	17	11	29	29
River Lamprey	0	0	0	0	0	0	0	0	0
Pink-adult-catch	**3926**	**5155**	**9081**	**1543**	**0**	**3263**	**769**	**5575**	**14656**
Pink-tagged	78	309	387	0	0	0	0	0	387
Chum-adult-catch	**0**	**1**	**1**	**1**	**0**	**10**	**0**	**11**	**12**
Chum-tagged	0	1	1	1	0	3	0	4	5
Chum-punched	0	0	0	0	0	0	0	0	0
Chum-recaps	0	0	0	0	0	0	0	0	0
Dolly Varden	**15**	**39**	**54**	**0**	**0**	**8**	**3**	**11**	**65**
Dolly-tagged	**5**	**17**	**22**	**0**	**0**	**1**	**1**	**2**	**24**
Peamouth Chub	**1**	**6**	**7**	**11**	**0**	**39**	**8**	**58**	**65**
Rainbow Trout	**10**	**5**	**15**	**3**	**0**	**7**	**3**	**13**	**28**
Pikeminnow	**0**	**0**	**0**	**3**	**0**	**16**	**4**	**23**	**23**
Cutthroat Trout	**13**	**5**	**18**	**1**	**0**	**2**	**0**	**3**	**21**
Mountain Whitefish	**2**	**3**	**5**	**1**	**0**	**12**	**3**	**16**	**21**
Sculpin	**0**	**0**	**0**	**0**	**0**	**13**	**1**	**14**	**14**

Chinook (GW wheels only)

Week Ending (Sat)	Stat wk	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	94-20 Cum Mean
05-Jun	23	-	-	-	-	-	-	-	-	-	-	4	-	6	4	5	4	4	2	6	18	8	**0**	**4**
12-Jun	24	3	73	-	-	3	12	10	-	29	-	21	13	18	19	53	33	40	10	11	59	17	**4**	**32**
19-Jun	25	187	419	-	389	269	182	11	3	75	38	67	66	64	48	124	253	95	47	39	90	38	**15**	**172**
26-Jun	26	1,184	833	697	1,387	271	642	799	212	194	699	227	181	70	83	179	792	216	81	65	365	55	**16**	**485**
03-Jul	27	1,368	3,199	1,376	1,490	562	833	1,427	623	382	1,096	279	392	537	457	296	1,205	345	102	226	457	179	**16**	**891**
10-Jul	28	1,524	4,042	1,670	1,702	850	975	1,551	1,875	685	1,175	296	446	989	563	347	1,341	402	135	252	583	610	**71**	**1,124**
17-Jul	29	1,855	4,350	1,701	1,754	983	1,054	1,728	1,880	874	1,219	306	482	1,018	575	376	1,405	419	153	274	674	697	**610**	**1,205**
24-Jul	30	1,888	4,400	1,720	1,828	1,005	1,082	1,753	2,035	885	1,251	312	504	1,209	589	392	1,425	426	169	294	705	744	**657**	**1,241**
31-Jul	31	1,907	4,476	1,734	1,860	1,029	1,094	1,764	2,145	897	1,267	316	515	1,296	594	402	1,450	439	177	300	717	800	**674**	**1,264**
07-Aug	32	1,957	4,499	1,743	1,876	1,048	1,107	1,781	2,156	905	1,289	322	522	1,327	596	418	1,458	457	196	310	723	811	**677**	**1,278**
14-Aug	33	1,988	4,517	1,748	1,886	1,075	1,114	1,794	2,170	913	1,303	330	526	1,350	601	424	1,467	468	205	320	733	832	**692**	**1,290**
21-Aug	34	2,000	4,525	1,757	1,891	1,090	1,120	1,811	2,180	919	1,315	332	527	1,361	604	431	1,481	474	208	328	739	833	**695**	**1,298**
28-Aug	35	2,003	4,528	1,757	1,896	1,102	1,143	1,817	2,190	931	1,324	333	529	1,367	608	439	1,505	479	220	332	749	845		**1,306**
04-Sep	36	2,007	4,530	1,763	1,899	1,103	1,151	1,821	2,196	939	1,327	334	541	1,368	610	441	1,509	480	225	335	774	866		**1,311**
11-Sep	37	2,007	4,531	1,764	1,899	1,103	1,156	1,821	2,200	940	1,328	337	542	1,368	612	446	1,510	483	226	338	779	871		**1,311**
18-Sep	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	780			**1,311**
Grand Total		**2007**	**4531**	**1764**	**1899**	**1103**	**1156**	**1821**	**2200**	**940**	**1328**	**337**	**542**	**1368**	**612**	**446**	**1510**	**483**	**226**	**338**	**780**	**871**	**695**	**1,311**

Sockeye (GW wheels only)

Week Ending (Sat)	Stat wk	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	94-20 Cum Mean
05-Jun	23	-	-	-	-	-	-	-	-	-	5	6	-	146	19	18	6	6	4	1	6	2	**0**	**9**
12-Jun	24	4	73	-	-	24	29	18	-	65	5	28	53	424	201	338	121	56	17	9	66	15	**1**	**69**
19-Jun	25	282	403	-	1,005	717	467	26	44	334	381	157	440	896	879	1,552	1,109	134	159	120	471	26	**8**	**443**
26-Jun	26	2,610	1,050	4,186	3,102	808	1,880	1,003	884	1,735	2,970	1,239	1,484	1,380	3,787	2,662	3,305	642	589	452	2,070	89	**9**	**1,673**
03-Jul	27	8,652	2,850	8,570	4,720	2,995	4,074	2,915	3,030	3,862	4,782	2,116	3,284	8,298	9,972	4,527	5,294	1,398	1,340	2,050	3,451	812	**16**	**4,098**
10-Jul	28	11,077	4,458	14,819	7,030	7,595	5,862	5,414	5,187	7,825	6,230	3,097	3,963	10,400	10,876	5,406	7,654	2,135	2,641	2,858	5,098	4,029	**1,417**	**6,351**
17-Jul	29	12,660	6,719	16,823	9,412	10,368	7,813	7,417	5,225	9,998	7,843	4,144	6,511	12,121	11,376	6,398	9,308	3,083	3,495	3,495	6,460	5,517	**7,393**	**8,023**
24-Jul	30	13,627	8,108	19,466	12,081	12,347	9,749	9,208	8,360	11,215	9,123	4,809	9,494	17,196	12,338	7,595	11,069	4,716	4,169	4,628	7,222	7,583	**10,173**	**9,781**
31-Jul	31	14,510	12,010	22,379	14,681	13,666	10,989	11,232	11,363	12,164	11,009	5,626	11,283	20,779	12,728	8,491	14,966	6,083	5,129	5,969	7,896	10,160	**12,398**	**11,497**
07-Aug	32	16,679	13,130	23,432	16,337	15,142	11,629	12,966	12,968	12,651	13,912	6,373	11,913	22,795	12,945	9,376	17,059	7,444	6,303	7,487	8,548	12,115	**14,406**	**12,752**
14-Aug	33	17,402	13,533	24,114	17,316	16,821	12,373	14,088	13,685	13,233	14,809	6,751	12,301	23,771	13,130	10,083	18,889	8,802	7,399	8,529	9,388	13,650	**15,665**	**13,662**
21-Aug	34	17,548	13,717	24,730	17,670	17,683	12,980	15,449	13,982	13,639	15,127	6,980	12,438	24,125	13,198	10,709	20,463	9,619	8,022	9,119	9,880	13,718	**16,275**	**14,181**
28-Aug	35	17,595	13,822	24,947	17,817	18,005	13,945	15,923	14,165	13,844	15,318	7,070	12,796	24,202	13,274	11,158	22,338	10,237	8,749	9,529	11,061	14,999		**14,614**
04-Sep	36	17,739	13,906	25,308	17,853	18,114	14,453	16,451	14,252	13,957	15,433	7,102	13,345	24,225	13,301	11,395	23,068	10,879	9,453	9,915	12,296	16,511		**15,021**
11-Sep	37	17,818	13,933	25,362	17,860	18,176	14,725	16,451	14,309	13,964	15,496	7,152	13,367	24,235	13,307	11,592	23,519	11,181	9,693	10,044	12,561	16,887		**15,021**
18-Sep	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,588			**15,021**
Grand Total		**17,818**	**13,933**	**25,362**	**17,860**	**18,176**	**14,725**	**16,451**	**14,309**	**13,964**	**15,496**	**7,152**	**13,367**	**24,235**	**13,307**	**11,592**	**23,519**	**11,181**	**9,693**	**10,044**	**12,588**	**16,887**	**16,275**	**15,021**

Steelhead (GW wheels only)

Week Ending	Stat wk	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	94-20 Cum Mean
05-Jun	23	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	2	1	1	-	5	2	**0**	**1**
12-Jun	24	-	6	-	-	-	2	2	-	3	-	-	-	7	5	7	9	1	1	-	12	2	**1**	**3**
19-Jun	25	1	8	-	-	2	4	2	-	4	6	-	2	7	5	8	14	3	4	-	12	2	**1**	**5**
26-Jun	26	1	8	-	-	2	5	4	2	4	10	-	6	7	6	9	14	3	5	-	12	2	**1**	**5**
03-Jul	27	1	8	-	-	2	5	4	2	4	10	-	6	10	6	10	14	3	5	1	12	2	**1**	**6**
10-Jul	28	2	8	-	-	2	5	4	5	4	10	-	6	11	6	11	15	7	5	2	12	3	**1**	**6**
17-Jul	29	6	10	1	-	2	6	5	5	4	10	-	6	11	6	16	20	8	5	8	15	3	**1**	**8**
24-Jul	30	11	10	3	3	6	11	6	6	12	12	-	6	14	9	32	25	15	7	47	16	7	**3**	**13**
31-Jul	31	23	22	25	33	20	14	12	8	39	23	4	15	22	22	60	40	90	18	87	21	24	**14**	**28**
07-Aug	32	103	56	56	66	58	27	28	21	71	66	12	22	68	23	144	71	205	50	160	34	43	**24**	**60**
14-Aug	33	207	131	76	126	126	44	47	42	86	174	67	38	195	39	190	106	258	87	258	54	80	**42**	**105**
21-Aug	34	262	198	131	167	170	53	84	76	133	269	115	50	360	48	276	164	328	120	383	63	83	**54**	**155**
28-Aug	35	271	258	156	222	217	100	116	102	208	368	170	76	439	80	456	276	366	185	429	100	125		**209**
04-Sep	36	386	347	237	248	235	138	147	143	288	482	202	193	539	112	530	316	399	258	458	251	183		**265**
11-Sep	37	418	410	296	249	241	149	147	158	293	504	262	201	603	134	613	369	452	316	487	307	201		**314**
18-Sep	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	316			**314**
Grand Total		**418**	**410**	**296**	**249**	**241**	**149**	**147**	**158**	**293**	**504**	**262**	**201**	**603**	**134**	**613**	**369**	**452**	**316**	**487**	**316**	**201**	**54**	**314**

Coho (GW wheels only)

Week Ending (Sat)	Stat wk	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	94-20 Cum Mean
05-Jun	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**	**0**
12-Jun	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**	**0**
19-Jun	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	**0**	**0**
26-Jun	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	**0**	**0**
03-Jul	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	**0**	**0**
10-Jul	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	1	-	**0**	**0**
17-Jul	29	-	-	2	6	7	5	5	-	6	5	4	-	-	19	1	5	12	9	1	2	1	**0**	**4**
24-Jul	30	8	-	24	56	72	54	63	4	59	65	37	41	18	148	71	31	106	88	12	32	22	**21**	**39**
31-Jul	31	59	96	143	232	354	175	322	121	258	343	258	153	143	476	404	145	376	384	104	181	244	**259**	**207**
07-Aug	32	1,036	602	479	608	891	426	1,076	371	1,026	1,677	1,098	458	874	1,311	1,659	416	1,051	1,620	389	607	613	**700**	**757**
14-Aug	33	1,717	2,403	1,061	1,208	2,043	1,140	2,026	837	2,106	2,472	2,176	637	2,783	2,278	2,433	690	2,009	2,561	760	1,257	1,434	**1,475**	**1,571**
21-Aug	34	1,975	3,638	2,403	1,832	3,015	2,257	3,219	1,273	3,106	3,700	3,069	841	3,902	3,002	4,401	1,135	3,072	3,219	1,094	1,707	1,608	**2,085**	**2,352**
28-Aug	35	2,137	4,153	2,993	2,237	3,463	3,776	3,551	1,646	4,377	5,070	3,315	1,256	4,569	3,705	5,281	1,573	3,805	4,288	1,332	3,123	2,470		**2,989**
04-Sep	36	2,683	5,090	4,790	2,422	3,648	4,575	3,798	1,899	5,104	6,013	3,428	1,854	4,989	4,060	5,897	1,854	4,224	5,235	1,460	4,104	3,144		**3,592**
11-Sep	37	2,776	5,483	5,067	2,445	3,726	4,956	3,798	2,135	5,150	6,305	3,675	1,898	5,284	4,309	6,531	1,958	4,456	5,572	1,510	4,327	3,508		**3,836**
18-Sep	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,363			**3,836**
Grand Total		**2776**	**5483**	**5067**	**2445**	**3726**	**4956**	**3798**	**2135**	**5150**	**6305**	**3675**	**1898**	**5284**	**4309**	**6531**	**1958**	**4456**	**5572**	**1510**	**4363**	**3508**	**2,085**	**3,836**

Pinks (GW wheels only)

Week Ending (Sat)	Stat wk	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	MEAN ODD YR (95-17)
05-Jun	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**	**-**
12-Jun	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**	**-**
19-Jun	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**	**-**
26-Jun	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	**0**	**0**
03-Jul	27	-	-	-	3	1	9	-	-	-	3	-	-	-	3	-	17	-	1	-	9	-	**0**	**4**
10-Jul	28	-	11	3	83	17	43	4	1	-	12	-	-	-	83	2	88	24	16	3	38	1	**0**	**34**
17-Jul	29	24	59	40	1,272	192	655	25	1	25	106	-	6	-	309	52	309	111	97	31	266	30	**109**	**274**
24-Jul	30	105	90	138	7,425	1,194	3,289	133	52	66	1,473	3	60	5	2,317	789	607	665	1,178	226	873	583	**616**	**1,462**
31-Jul	31	215	3,356	890	14,620	5,086	5,030	582	1,708	212	3,650	23	484	114	5,110	2,638	1,381	2,629	4,030	912	2,977	3,337	**3,328**	**3,617**
07-Aug	32	2,340	9,411	2,341	17,544	9,119	6,494	1,197	4,723	480	8,481	78	1,210	763	8,454	5,469	2,443	4,398	11,201	2,313	5,606	5,040	**4,955**	**6,513**
14-Aug	33	5,122	13,768	3,673	19,698	13,737	7,444	1,467	6,944	810	12,379	633	1,366	1,851	11,491	6,467	3,030	5,592	14,956	3,480	7,529	8,000	**7,835**	**8,842**
21-Aug	34	5,785	16,329	5,895	21,073	15,141	8,260	1,803	7,660	989	13,759	959	1,415	3,057	12,885	9,645	3,707	6,574	16,349	4,435	8,115	8,035	**9,081**	**10,223**
28-Aug	35	5,936	17,766	6,188	22,329	16,216	9,134	1,897	8,184	1,176	15,188	1,049	1,455	3,664	13,940	13,326	4,021	7,112	18,217	4,811	8,823	8,505		**11,354**
04-Sep	36	6,505	21,603	7,952	22,732	16,374	9,369	1,961	8,328	1,339	15,757	1,087	1,554	3,984	14,408	16,081	4,096	7,425	20,433	4,947	9,417	9,460		**12,285**
11-Sep	37	6,579	26,462	8,705	22,783	16,415	9,464	1,961	8,428	1,357	15,975	1,114	1,559	4,130	14,585	17,260	4,112	7,576	21,032	4,971	9,515	9,663		**12,887**
18-Sep	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,521			**12,887**
Grand Total		**6,579**	**26,462**	**8,705**	**22,783**	**16,415**	**9,464**	**1,961**	**8,428**	**1,357**	**15,975**	**1,114**	**1,559**	**4,130**	**14,585**	**17,260**	**4,112**	**7,576**	**21,032**	**4,971**	**9,521**	**9,663**	**9,081**	**12,887**

Chum (GW wheels only)

Week Ending (Sat)	Stat wk	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	94-20 Cum Mean
05-Jun	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**	**0**
12-Jun	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**	**0**
19-Jun	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**	**1**
26-Jun	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	1	**0**	**1**
03-Jul	27	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	-	-	4	-	3	**0**	**1**
10-Jul	28	-	-	1	-	-	-	-	-	-	-	-	1	1	2	-	2	-	-	4	-	3	**0**	**1**
17-Jul	29	1	1	1	1	-	1	-	-	5	-	-	2	1	2	-	4	-	-	4	2	3	**0**	**2**
24-Jul	30	2	3	2	10	5	8	1	-	8	2	-	2	3	3	2	4	1	2	8	4	5	**1**	**4**
31-Jul	31	3	8	6	24	11	13	6	5	14	6	1	6	7	4	9	8	17	7	11	6	5	**1**	**9**
07-Aug	32	16	14	9	38	24	23	15	11	17	10	2	10	12	4	16	13	36	15	16	8	9	**1**	**18**
14-Aug	33	28	27	13	51	54	25	28	18	19	23	9	14	17	7	21	23	50	17	22	14	9	**1**	**28**
21-Aug	34	46	43	22	59	67	27	46	21	21	28	12	16	25	11	28	42	74	20	31	16	10	**1**	**42**
28-Aug	35	47	56	22	82	112	47	52	30	25	42	16	19	38	21	46	85	95	22	34	23	16		**58**
04-Sep	36	134	72	30	97	139	62	69	36	38	51	18	22	50	31	54	103	119	34	52	91	19		**80**
11-Sep	37	158	111	38	99	145	63	69	45	38	59	18	22	58	33	62	118	179	41	61	129	19		**93**
18-Sep	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131			**93**
Grand Total		**158**	**111**	**38**	**99**	**145**	**63**	**69**	**45**	**38**	**59**	**18**	**22**	**58**	**33**	**62**	**118**	**179**	**41**	**61**	**131**	**19**	**1**	**93**