

NWW Juvenile Fish Passage Status Report (March 1 – May 13, 2024)

Bypass systems were watered up on March 7 at Little Goose Dam, March 13 at Lower Granite and McNary Dams, and March 21 at Ice Harbor and Lower Monumental Dams. Condition sampling began March 25 at Lower Monumental, Little Goose, and Lower Granite dams. Condition sampling was every day at Lower Granite and every other day at Little Goose. Sampling occurred every third day at Lower Monumental until April 16 when every other day sampling began. Condition sampling began April 1 at Ice Harbor Dam and April 3 at McNary dam. Sampling occurs bi-weekly at Ice Harbor Dam and every other day at McNary Dam.

Daily fish collection for barge transport began April 23 at Lower Granite, Little Goose, and Lower Monumental dams with the first barge departing on April 24. The attached spreadsheet provides daily collection, bypass, and transport numbers passing through the bypass systems for April 1 – May 13 for Lower Granite, Little Goose, and Lower Monumental dams.

Springtime collection numbers at Snake River transport projects have been 17% of the 10-year average (2014-2023) for this year from April 1 - May 13 (Table 1). Collection numbers in 2024 have been similar to those in 2021 (Figure 1). The overall number of smolts transported this year was 16% of the 10-year average (Table 2). Barging at Lower Monumental was discontinued on May 5 and continued May 18. The total number of smolts collected at McNary Dam was 301,549 through May 13 and 301,488 of those smolts were bypassed. At Ice Harbor Dam, 1,625 fish have been sampled through May 13, and all were bypassed.

Table 1. Total fish collected from April 1 – May 13 for 2021-2024 and the 10-year average (2014-2023) at Lower Granite Dam, Little Goose Dam, Lower Monumental Dam and overall.

	2021	2022	2023	2024	10y Avg.
Lower Granite	424,367	1,602,039	2,435,233	447,614	3,251,804
Little Goose	185,881	634,738	1,734,461	602,572	1,847,473
Lower Monumental	172,683	564,940	1,487,973	81,869	1,389,188
Overall	782,931	2,801,717	5,657,667	1,132,055	6,488,465

*Every other day collection began at LMN on May 7 due to the halt in transportation.

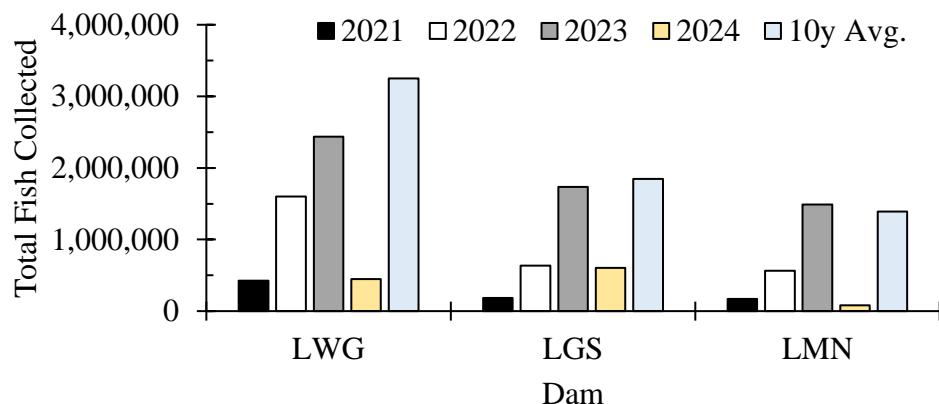


Figure 1. Total fish collected from 2021-2024 and the 10-year average (2014-2013) at Lower Granite (LWG), Little Goose (LGS) and Lower Monumental (LMN).

Table 2. Total fish transported from April 1 – May 13 for 2021-2024 and the 10-year average (2014-2023) at Lower Granite Dam, Little Goose Dam, Lower Monumental Dam and overall.

	2021	2022	2023	2024	10y Avg.
Lower Granite	227,354	1,362,535	2,180,927	127,285	1,713,009
Little Goose	159,376	634,738	1,734,461	410,909	1,076,813
Lower Monumental	135,887	517,208	962,705	51,822	929,506
Overall	522,617	2,514,481	4,878,093	590,016	3,719,327

*Transportation for LMN was put to a temporary halt on May 5.

*Before 2018 barge transport operations did not begin until May 1st, from 2021-2024 collection for barge transport began April 23 or 24.

Spill operations for spring fish passage in 2024 began at 00:01 April 3rd on the Snake River and 00:01 April 10th on the Columbia River. Average river flow in the Snake River was 86% of the 10-year average from 1 April - 12 May (Table 3). Average river flow in the Columbia River at McNary Dam was 64% of the 10-year average. Percent spill levels in 2021 during the spring have averaged 161% of the 10-yr average at the three upper Snake River projects, 92% at Ice Harbor Dam and 115% of the 10-yr average at McNary Dam to date.

Table 3. Average flow, spill, and percent spill 2021-2024 and the 10-year average (2014-2023) for April at Walla Walla projects on the Snake and Columbia rivers.

	Flow (kcfs)					Spill (kcfs)					%Spill				
	2021	2022	2023	2024	10-yr.	2021	2022	2023	2024	10-yr.	2021	2022	2023	2024	10-yr.
LWG	57	51	79	74	83	36	32	46	61	35	64%	64%	63%	83%	44%
LGS	51	47	75	70	80	31	29	38	48	34	60%	61%	53%	68%	43%
LMN	57	50	77	70	81	40	34	48	58	38	70%	68%	65%	83%	50%
IHR	58	51	78	72	86	37	38	64	58	60	64%	73%	80%	81%	69%
MCN	177	161	200	155	241	108	105	143	95	141	60%	64%	67%	61%	58%