



February 7, 2024

Senator Jeff Golden, Chair
Senator Fred Girod, Vice-Chair
Senate Committee on Natural Resources and Wildfire

Re: Trout Unlimited Opposes Senate Bill 1590

Dear Chair Golden, Vice-Chair Girod, and Members of the Committee,

Trout Unlimited (“TU”) is a non-profit organization dedicated to conserving coldwater fish (such as trout, salmon, and steelhead) and their habitats. We have more than 350,000 members and supporters nationwide, including thousands of members in Oregon.

TU and its members are committed to caring for Oregon rivers and streams so future generations can experience the joy of wild and native trout and salmon. TU supports recreational boating opportunity so long as it is consistent with that paramount conservation goal.

TU opposes SB 1590 because the existing “towed watersports” framework protects important native fish runs—and guards against further degradation of water quality in the Willamette River—by *restricting only the largest* class of recreational motor boats from engaging in *certain damaging activities* in the area upstream of Willamette Falls.

Below, we have provided background on this topic and statutory program, and information about usage of the relevant portion of the Willamette River by native fish:

1. Background: Underlying Problem, Past Legislative Efforts, Existing Law

Over the past decade or so, recreational motorboat manufacturers have produced larger and heavier watersport boats, especially including the class of “wake surf” boats that create large and artificial waves which enable individuals to “surf” behind the boat on otherwise calm rivers or streams.

Problem: When the wakes of these large boats—especially when towing water skiers or tubers, or using ballast to create surfable waves—reach shallow waters and shorelines, the wave energy can erode streambanks and damage riparian fish habitats (in addition to public safety and private property damage concerns, which TU will not address in this testimony).

In the same period that these boats have become more frequently used in Oregon, there have been wide-ranging indications of related degradation to fish habitat and water quality in the

Willamette River. For instance, homeowners and river users noticed acute erosion and water quality concerns in the area upstream of Willamette Falls (the “Newberg Pool”).

Past Legislative Efforts: The legislature has considered *numerous* bills over the past six years regarding the negative effects of large recreational motor boats in the Willamette River, and did not land upon an enforceable and meaningful management framework until 2022.

In 2018, the legislature considered HB 4099 and HB 4138 (regarding a Task Force and Marine Board rulemaking authority applicable to boating on the Willamette River, respective), but neither passed.

In 2019, the legislature enacted HB 2351 and HB 2352, in effort to minimize the harm of artificial wave energy in the Willamette River. HB 2351 authorized the Marine Board to make special regulations related to operation of boats in the Willamette River Greenway, including speed limits to protect fish and wildlife habitat. Thereafter, the Oregon State Marine Board established a 10,000 pound weight limit for motorboats (based on ramp capacity) in the Newberg Pool. This very large weight limit applied to very few boats available on the market, and therefore, did not meaningfully address the ongoing problem of large boat wakes and erosion. HB 2352 established the “towed watersports” structure within the Marine Board, which created new boater safety and education programs. Neither fully addressed the underlying problem, conflicts, and concerns for native fish and water quality; under HB 2351 and HB 2352, very large boats were still able to tow and wake-surf in the Newberg Pool.

In 2020, the National Marine Fisheries Service warned the Oregon State Marine Board about the risks of wake sports in the Newberg Pool on listed fish species, stating:

“In NMFS’ experience, noise and wave action are frequently a threat to juvenile salmon and steelhead. Therefore, **we expect that wake sports are likely to have a significant adverse impact on those listed species and their critical habitats by injuring and killing individual fish** when, for example, the surge and wakes caused by artificial waves from passing boat and wake sport participants wash juvenile fish onto the shore, or otherwise modify or degrade [physical and biological features] in ways that injure or kill fish by significantly impairing their essential behavior patterns . . .”

K.W. Kratz, United States Department of Commerce, National Marine Fisheries Service, to Val Early, Oregon State Marine Board (January 16, 2020) (emphasis added).

In 2021, the legislature revisited the issue, and considered a bill to address the still-increasing traffic of large ballast capacity motorboats on the Willamette. SB 857 (2021) would have placed a 5,000 pound weight limit on motor boats permitted to engage in “towed watersports” in the Newberg Pool. It did not pass.

Existing Law: In 2022, the legislature considered *yet another* bill on the ongoing problem. SB 1589 (2022) passed after the legislature held several public hearings, received extensive written and verbal testimony from the public, and received input from multiple experts (from both sides of the issue). For the first time, SB 1589: (1) specified a maximum loading weight limit for

motorboats that engage in “towed watersports” in the Newberg Pool of 5,500 pounds (calculated as the sum of the factory-specified dry gross weight of the boat plus factory-specified maximum factory ballast capacity), and (2) prohibited wake surfing in the Newberg Pool.

By capping the size of boats that may engage in towed watersports (e.g., waterskiing) and specifying that boaters may not “use devices or individuals to increase wakes,” ORS 830.649(5)(a), SB 1589 limited the extent of wave energy in the Newberg Pool that damages the shoreline and riverbanks. In other words, it specified meaningful, reasonable, and enforceable limits on a small subset of only the *very largest* motorboats engaging in towed watersports, which create the largest and most damaging artificial wakes.

2. The Fish: What’s at Risk in the Newberg Pool

The Willamette River is home to numerous runs of anadromous fish, many of which are struggling. Accordingly, water quality issues in the Newberg Pool can affect native fish populations throughout the Willamette River basin. These populations include two species listed as threatened under the federal Endangered Species Act: Upper Willamette River Chinook Salmon (i.e., spring Chinook), and Upper Willamette River Steelhead (i.e., winter steelhead).

Many native fish in the Willamette River basin depend on water quality in the Newberg Pool at some point in their life cycles. As examples only, wild spring chinook from the McKenzie River, and wild winter steelhead from the Molalla and Santiam River basins, migrate through this river corridor twice in their respective life cycles, and require sufficiently high water quality throughout their migration corridors to ensure they return to their home streams as adults. Similarly, the wild coho salmon, winter steelhead, and spring chinook in the Clackamas River (which enters the Willamette about 1.5 miles downriver of the Newberg Pool) require high water quality from upstream portions of the Willamette during their respective migrations.

Salmon are present in the Newberg Pool during the summer boating season. For the Committee’s reference, I have attached a spreadsheet showing upstream fish passage data collected at Willamette Falls (i.e., the downstream end of the statutorily-defined Newberg Pool per ORS 830.649(1)(a)) and reported on the Oregon Department of Fish & Wildlife’s [website](#).

This information – which I’ve included for 2023 only – shows that adult salmon migrate upstream into the Newberg Pool in every month of the summer boating season. In 2023, this included: 9,817 threatened adult spring chinook in June; 1,600 threatened adult spring chinook in July; 1,089 adult chinook in August; and 18,885 adult coho and 584 adult chinook in September. Those figures do not include “jack” sub-adult size salmon. Further, juvenile salmon and steelhead out-migrate though the reach (typically very close to the shoreline where they are vulnerable to the effects of large ballast boats, [as testified by Dr. Stan Gregory, emeritus professor of fisheries at Oregon State University, in the legislative record for SB 1589 \(2022\)](#)), and lamprey may also be present seasonally in the Newberg Pool. Juvenile salmon and steelhead, resident trout, and lamprey are not included in the attached fish count spreadsheet. Accordingly, the presence of native and migratory species in the Newberg Pool is greater than what is reflected in Exhibit A alone.

3. Result of SB 1590 (2024)

Senate Bill 1590 would unwind and roll-back a reasonable statutory framework that balances one recreational user group's use of the river with the State's concerns for water quality, threatened fish species, public safety, and protection of private property. We oppose it.

Conclusion

Trout Unlimited opposes SB 1590. Thank you for this opportunity to provide comments on the bill, and please let me know if you have any questions.

Sincerely,

James Fraser
Oregon Policy Director
Trout Unlimited
james.fraser@tu.org

Exhibit A

2023 Upstream Fish Passage Numbers – Willamette Falls (Source: ODFW)

(Attached.)

WILLAMETTE FALLS FISHWAY COUNTS

[Link to USGS Willamette River Portland \(Morrison\) Daily Hydro Data](#)
[Link to NOAA Willamette River Salem Flows](#)

Year: 2023
 Month: February

Date	Hydrological Data		Spring Chinook									Coho									Steelhead						Other Species
			Adult				Jack				Mini Jack	Adult			Jack			Winter (Nov 2022-May 2023)			Summer (Mar 2023-Oct 2023)			Species/Total			
			Daily			Cum.	Daily			Cum.	Daily	Cum.	Daily	Cum.	Daily		Cum.	Daily		Cum.							
			Total	Clipped	Unclip	0	Total	Clipped	Unclip	0	Daily	Cum.	Total	Clipped	Unclip	Total	Clipped	Unclip	389	Total	Clipped	Unclip					
1	13,200	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	390						
2	12,800	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	391						
3	12,000	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	2	394						
4	11,800		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	395						
5	12,000		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6	401						
6	13,200	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	406						
7	14,300	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	22	428						
8	14,400	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	24	452						
9	15,300	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	10	462						
10	14,600		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	9	471						
11	14,000		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	14	485						
12	13,400		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	6	492						
13	12,800	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	11	503						
14	12,900	42	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	14	0	14	517						
15	13,700	42	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	10	0	10	527						
16	13,200	41	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	11	1	10	538						
17	13,200	41	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3	0	3	541						
18	12,700		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	0	4	545						
19	12,100		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	11	0	11	556						
20	11,800		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	11	0	11	567						
21	11,600	42	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	5	1	4	572						
22	12,400	42	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	14	0	14	586						
23	13,900		2	1	1	4	0	0	0	0	0	0	0	0	0	0	0	7	0	7	593						
24	14,000	41	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	3	0	3	596						
25	13,100		0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	2	0	2	598						
26	12,600		0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	0	1	599						
27	13,800	39	1	1	0	5	0	0	0	0	0	0	0	0	0	0	0	2	1	1	601						
28	14,700	38	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	4	0	4	605						
Total Clip/Unclip				3	2		0	0										5	600								

WILLAMETTE FALLS FISHWAY COUNTS

[Link to USGS Willamette River Portland \(Morrison\) Daily Hydro Data](#)
[Link to NOAA Willamette River Salem Flows](#)

Year: 2023
 Month: March

Date	Hydrological Data Flow Temp		Spring Chinook									Coho									Steelhead						Other Species
			Adult			Jack			Mini Jack			Adult			Jack			Winter (Nov 2022-May 2023)			Summer (Mar 2023-Oct 2023)			Species/Total			
			Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.				
			Total	Clipped	Unclip	5	Total	Clipped	Unclip	0	Daily	Cum.	Total	Clipped	Unclip	Total	Clipped	Unclip	605	Total	Clipped	Unclip	0				
1	17,000	38	0	0	0	5	0	0	0	0	0	0					13	0	13	618	0	0	0	0			
2	17,000	39	0	0	0	5	0	0	0	0	0	0					9	0	9	627	2	2	0	2			
3	16,200	39	0	0	0	5	0	0	0	0	0	0					11	0	11	638	2	2	0	4			
4	15,800		0	0	0	5	0	0	0	0	0	0					16	0	16	654	1	1	0	5			
5	16,000		0	0	0	5	0	0	0	0	0	0					7	0	7	661	0	0	0	5			
6	16,400	42	0	0	0	5	0	0	0	0	0	0					14	0	14	675	2	2	0	7			
7	16,200		0	0	0	5	0	0	0	0	0	0					13	0	13	688	1	1	0	8			
8	15,600	42	0	0	0	5	0	0	0	0	0	0					21	0	21	709	0	0	0	8			
9	15,400	42	1	0	1	6	0	0	0	0	0	0					32	0	32	741	1	1	0	9			
10	16,300	42	0	0	0	6	0	0	0	0	0	0					31	0	31	772	3	3	0	12			
11	19,200		0	0	0	6	0	0	0	0	0	0					14	0	14	786	1	1	0	13			
12	19,600		0	0	0	6	0	0	0	0	0	0					9	0	9	795	0	0	0	13			
13	22,400		0	0	0	6	0	0	0	0	0	0					30	0	30	825	1	1	0	14			
14	35,300	45	0	0	0	6	0	0	0	0	0	0					33	0	33	858	0	0	0	14			
15	37,400		0	0	0	6	0	0	0	0	0	0					-4	0	-4	854	1	1	0	15			
16	29,700		0	0	0	6	0	0	0	0	0	0					26	0	26	880	0	0	0	15			
17	25,200	45	0	0	0	6	0	0	0	0	0	0					85	0	85	965	6	6	0	21			
18	22,800		0	0	0	6	0	0	0	0	0	0					128	0	128	1,093	11	11	0	32			
19	21,200		0	0	0	6	0	0	0	0	0	0					80	0	80	1,173	14	14	0	46			
20	20,600	48	1	1	0	7	0	0	0	0	0	0					68	0	68	1,241	10	10	0	56			
21	22,200	48	0	0	0	7	0	0	0	0	0	0					37	0	37	1,278	5	5	0	61			
22	22,200	48	0	0	0	7	0	0	0	0	0	0					35	0	35	1,313	6	6	0	67			
23	20,500	47	2	1	1	9	0	0	0	0	0	0					45	0	45	1,358	15	15	0	82			
24	20,400	47	0	0	0	9	0	0	0	0	0	0					38	0	38	1,396	1	1	0	83			
25	22,500		0	0	0	9	0	0	0	0	0	0					45	0	45	1,441	1	1	0	84			
26	23,900		0	0	0	9	0	0	0	0	0	0					21	0	21	1,462	7	7	0	91			
27	23,700	43	1	0	1	10	0	0	0	0	0	0					13	0	13	1,475	2	2	0	93			
28	22,400	43	0	0	0	10	0	0	0	0	0	0					15	0	15	1,490	1	1	0	94			
29	24,000	43	0	0	0	10	0	0	0	0	0	0					20	0	20	1,510	2	2	0	96			
30	23,600	42	0	0	0	10	0	0	0	0	0	0					29	0	29	1,539	0	0	0	96			
31	22,600		0	0	0	10	0	0	0	0	0	0					33	0	33	1,572	6	6	0	102			
Total Clip/Unclip			5	5	0	0	0	0	0	0	0	0	5	1,567	102	0											

WILLAMETTE FALLS FISHWAY COUNTS

[Link to USGS Willamette River Portland \(Morrison\) Daily Hydro Data](#)
[Link to NOAA Willamette River Salem Flows](#)

Year: 2023
 Month: April

Date	Hydrological Data Flow Temp		Spring Chinook							Coho							Steelhead						Other Species Species/Total	
			Adult			Jack			Mini Jack	Adult				Jack			Winter (Nov 2022-May 2023)			Summer (Mar 2023-Oct 2023)				
			Daily	Cum.		Daily	Cum.		Daily	Cum.	Daily	Cum.	Daily	Cum.	Total	Clipped	Unclip	1,572	Total	Clipped	Unclip	102		
1	22,800		1	0	1	11	0	0	0	0	0	0					24	0	24	1,596	1	1	0	103
2	31,300		0	0	0	11	0	0	0	0	0	0					26	0	26	1,622	4	4	0	107
3	35,500	45	0	0	0	11	0	0	0	0	0	0					5	0	5	1,627	1	1	0	108
4	34,900	45	0	0	0	11	0	0	0	0	0	0					14	0	14	1,641	2	2	0	110
5	32,700	44	0	0	0	11	0	0	0	0	0	0					12	0	12	1,653	5	5	0	115
6	30,300	44	0	0	0	11	0	0	0	0	0	0					21	0	21	1,674	3	3	0	118
7	32,300	45	0	0	0	11	0	0	0	0	0	0					26	0	26	1,700	1	1	0	119
8	39,200		0	0	0	11	0	0	0	0	0	0					36	0	36	1,736	4	4	0	123
9	38,000		3	0	3	14	0	0	0	0	0	0					16	0	16	1,752	7	7	0	130
10	37,500	48	2	2	0	16	0	0	0	0	0	0					25	0	25	1,777	2	2	0	132
11	52,100	48	0	0	0	16	0	0	0	0	0	0					7	0	7	1,784	0	0	0	132
12	62,700	48	0	0	0	16	0	0	0	0	0	0					0	0	0	1,784	0	0	0	132
13	58,000	48	0	0	0	16	0	0	0	0	0	0					3	0	3	1,787	0	0	0	132
14	48,300	48	0	0	0	16	0	0	0	0	0	0					17	0	17	1,804	0	0	0	132
15	40,400		3	2	1	19	0	0	0	0	0	0					26	0	26	1,830	-1	-1	0	131
16	34,700		6	0	6	25	0	0	0	0	0	0					37	0	37	1,867	2	2	0	133
17	31,300	49	6	4	2	31	0	0	0	0	0	0					27	0	27	1,894	3	3	0	136
18	30,500	49	5	3	2	36	0	0	0	0	0	0					15	0	15	1,909	5	5	0	141
19	29,700	48	5	4	1	41	0	0	0	0	0	0					11	0	11	1,920	1	1	0	142
20	31,100	48	7	5	2	48	0	0	0	0	0	0					0	0	0	1,920	3	3	0	145
21	32,300		4	2	2	52	0	0	0	0	0	0					6	0	6	1,926	0	0	0	145
22	37,900		15	5	10	67	0	0	0	0	0	0					6	0	6	1,932	2	2	0	147
23	41,200		20	7	13	87	0	0	0	0	0	0					13	0	13	1,945	0	0	0	147
24	45,000	50	22	7	15	109	0	0	0	0	0	0					9	0	9	1,954	5	5	0	152
25	46,800	50	16	6	10	125	0	0	0	0	0	0					13	0	13	1,967	0	0	0	152
26	43,600	51	23	8	15	148	0	0	0	0	0	0					4	0	4	1,971	2	2	0	154
27	39,900	51	86	35	51	234	0	0	0	0	0	0					2	0	2	1,973	8	8	0	162
28	37,900	52	257	154	103	491	0	0	0	0	0	0					5	0	5	1,978	13	13	0	175
29	38,000		355	219	136	846	1	1	0	1	0	0					12	0	12	1,990	10	10	0	185
30	38,300		544	321	223	1,390	3	3	0	4	0	0					2	0	2	1,992	14	14	0	199
Total Clip/Unclip			789	601			4	0									5	1,987		199	0			

WILLAMETTE FALLS FISHWAY COUNTS

[Link to USGS Willamette River Portland \(Morrison\) Daily Hydro Data](#)
[Link to NOAA Willamette River Salem Flows](#)

Year: 2023
 Month: May

Date	Hydrological Data Flow Temp		Spring Chinook										Coho									Steelhead						Other Species
			Adult				Jack				Mini Jack		Adult			Jack			Winter (Nov 2022-May 2023)			Summer (Mar 2023-Oct 2023)			Species/Total			
			Total	Clipped	Unclip	Cum.	Total	Clipped	Unclip	Cum.	Daily	Cum.	Daily	Cum.	Total	Clipped	Unclip	Cum.	Total	Clipped	Unclip	Cum.						
1	38,600	56	391	249	142	1,781	3	3	0	7	0	0	2	0	2	1,994	13	13	0	212								
2	35,000	55	189	123	66	1,970	0	0	0	7	0	0	5	0	5	1,999	7	7	0	219								
3	31,000	55	172	108	64	2,142	0	0	0	7	0	0	4	0	4	2,003	9	9	0	228								
4	27,300	53	180	101	79	2,322	0	0	0	7	0	0	2	0	2	2,005	10	10	0	238								
5	27,000	52	83	48	35	2,405	0	0	0	7	0	0	0	0	0	2,005	5	5	0	243								
6	26,300		213	130	83	2,618	1	0	1	8	0	0	3	0	3	2,008	6	6	0	249								
7	25,400		172	95	77	2,790	1	1	0	9	0	0	1	0	1	2,009	3	3	0	252								
8	25,600	53	178	91	87	2,968	3	2	1	12	0	0	6	0	6	2,015	7	7	0	259								
9	25,200	53	187	103	84	3,155	4	2	2	16	0	0	1	0	1	2,016	3	3	0	262								
10	24,800	54	91	52	39	3,246	0	0	0	16	0	0	1	0	1	2,017	3	3	0	265								
11	23,800	55	130	74	56	3,376	0	0	0	16	0	0	1	0	1	2,018	3	3	0	268								
12	23,300		211	117	94	3,587	3	3	0	19	0	0	1	0	1	2,019	12	12	0	280								
13	23,200		350	196	154	3,937	12	11	1	31	0	0	3	0	3	2,022	6	6	0	286								
14	23,600		324	206	118	4,261	5	4	1	36	0	0	0	0	0	2,022	9	9	0	295								
15	24,800		411	251	160	4,672	3	2	1	39	0	0	2	0	2	2,024	14	14	0	309								
16	25,100		298	188	110	4,970	6	4	2	45	0	0	1	0	1	2,025	5	5	0	314								
17	23,700	62	301	211	90	5,271	3	1	2	48	0	0	0	0	0	2,025	11	11	0	325								
18	23,000	64	245	168	77	5,516	8	6	2	56	0	0	0	0	0	2,025	6	6	0	331								
19	22,100	64	226	158	68	5,742	4	4	0	60	0	0	0	0	0	2,025	3	3	0	334								
20	20,500		372	235	137	6,114	6	5	1	66	0	0	2	0	2	2,027	5	5	0	339								
21	19,700		827	638	189	6,941	10	7	3	76	0	0	1	0	1	2,028	8	8	0	347								
22	18,700	64	602	447	155	7,543	13	11	2	89	1	1	0	0	0	2,028	3	3	0	350								
23	18,100	63	544	397	147	8,087	10	10	0	99	0	1	0	0	0	2,028	5	5	0	355								
24	17,900	62	528	415	113	8,615	15	15	0	114	0	1	0	0	0	2,028	7	7	0	362								
25	15,400		413	283	130	9,028	11	11	0	125	0	1	1	0	1	2,029	15	15	0	377								
26	14,900		458	346	112	9,486	11	9	2	136	0	1	0	0	0	2,029	9	9	0	386								
27	14,300		559	406	153	10,045	10	9	1	146	0	1	3	0	3	2,032	14	14	0	400								
28	14,300		477	344	133	10,522	4	3	1	150	1	2	1	0	1	2,033	8	8	0	408								
29	13,800		514	358	156	11,036	6	6	0	156	0	2	5	0	5	2,038	12	12	0	420								
30	13,100	66	338	247	91	11,374	15	13	2	171	1	3	0	0	0	2,038	6	6	0	426								
31	12,700		270	189	81	11,644	4	4	0	175	0	3	1	0	1	2,039	8	8	0	434								
Total Clip/Unclip			7,763	3,881			150	25									5	2,034			434	0						

WILLAMETTE FALLS FISHWAY COUNTS

[Link to USGS Willamette River Portland \(Morrison\) Daily Hydro Data](#)
[Link to NOAA Willamette River Salem Flows](#)

Year: 2023
 Month: June

Date	Hydrological Data Flow Temp		Spring Chinook							Coho							Steelhead							Other Species Species/Total			
			Adult				Jack			Mini Jack	Adult				Jack			Winter (Nov 2022-May 2023)				Summer (Mar 2023-Oct 2023)					
			Daily			Cum.	Daily			Cum.	Daily	Cum.	Daily			Cum.	Daily			Cum.	Daily				Cum.		
Total	Clipped	Unclip		Total	Clipped	Unclip		Daily	Cum.	Total	Clipped	Unclip		Total	Clipped	Unclip		Total	Clipped	Unclip		Total	Clipped	Unclip			
1	12,400	64	304	209	95	11,644	8	7	1	183	0	3															
2	12,200		228	150	78	12,176	5	5	0	188	0	3															
3	12,000		240	170	70	12,416	6	6	0	194	0	3															
4	12,000		246	176	70	12,662	9	7	2	203	0	3															
5	12,000	65	325	228	97	12,987	10	9	1	213	1	4															
6	11,700	67	473	346	127	13,460	16	15	1	229	0	4															
7	11,400	68	252	191	61	13,712	15	13	2	244	0	4															
8	11,400	68	347	241	106	14,059	13	10	3	257	2	6															
9	11,100	68	250	181	69	14,309	12	12	0	269	0	6															
10	11,100		309	226	83	14,618	15	11	4	284	1	7															
11	11,000		375	275	100	14,993	15	13	2	299	0	7															
12	10,900	68	329	237	92	15,322	13	8	5	312	0	7															
13	10,700	68	380	309	71	15,702	13	12	1	325	1	8															
14	10,300	68	427	304	123	16,129	13	11	2	338	2	10															
15	10,000	68	354	284	70	16,483	9	9	0	347	5	15															
16	9,900	68	383	321	62	16,866	13	12	1	360	0	15															
17	9,600		334	225	109	17,200	9	8	1	369	20	35															
18	9,180		286	208	78	17,486	8	7	1	377	15	50															
19	9,100		287	225	62	17,773	22	19	3	399	11	61															
20	9,300	67	244	180	64	18,017	9	9	0	408	14	75															
21	9,200	67	262	187	75	18,279	16	14	2	424	32	107															
22	9,000	67	357	283	74	18,636	11	11	0	435	31	138															
23	8,760	68	299	228	71	18,935	13	12	1	448	37	175															
24	8,540		459	329	130	19,394	29	27	2	477	29	204															
25	8,320		472	374	98	19,866	18	16	2	495	31	235															
26	8,350		403	320	83	20,269	16	15	1	511	46	281															
27	8,250	70	355	269	86	20,624	11	7	4	522	50	331															
28	8,160		357	270	87	20,981	7	6	1	529	79	410															8 SHAD
29	8,000	72	270	212	58	21,251	15	13	2	544	101	511															4 SHAD
30	7,970	72	210	175	35	21,461	8	7	1	552	71	582															2 SHAD
Total Clip/Unclip			15,096 6,365				481 71											819 22									

WILLAMETTE FALLS FISHWAY COUNTS

[Link to USGS Willamette River Portland \(Morrison\) Daily Hydro Data](#)
[Link to NOAA Willamette River Salem Flows](#)

Year: 2023
 Month: August

Date	Hydrological Data Flow Temp		Spring/Fall Chinook									Coho									Steelhead						Other Species
			Adult			Jack			Mini Jack			Adult			Jack			Winter (Nov 2022-May 2023)			Summer (Mar 2023-Oct 2023)			Species/Total			
			Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.				
			Total	Clipped	Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip				
1	6,150	76	20	7	13	23,081	3	3	0	625	43	1,615	0	0	0	0	0	0	0	0	2	2	0	936			
2	6,150	77	22	7	15	23,103	2	2	0	627	67	1,682	0	0	0	0	0	0	0	0	0	0	0	936			
3	6,100	77	28	17	11	23,131	1	1	0	628	42	1,724	0	0	0	0	0	0	0	0	1	1	0	937			
4	6,070	77	10	4	6	23,141	3	3	0	631	28	1,752	0	0	0	0	0	0	0	0	0	0	0	937			
5	6,150		12	3	9	23,153	0	0	0	631	30	1,782	0	0	0	0	0	0	0	0	1	1	0	938			
6	6,530		22	14	8	23,175	3	3	0	634	38	1,820	0	0	0	0	0	0	0	0	3	3	0	941			
7	6,700	77	10	7	3	23,185	0	0	0	634	14	1,834	0	0	0	0	0	0	0	0	2	2	0	943			
8	6,640	78	7	4	3	23,192	3	3	0	637	8	1,842	0	0	0	0	0	0	0	0	1	1	0	944			
9	6,560	78	12	7	5	23,204	0	0	0	637	37	1,879	0	0	0	0	0	0	0	0	1	1	0	945			
10	6,530	78	15	11	4	23,219	2	2	0	639	41	1,920	0	0	0	0	0	0	0	0	4	3	1	949			
11	6,500	78	29	11	18	23,248	1	1	0	640	30	1,950	0	0	0	0	0	0	0	0	1	1	0	950			
12	6,500		99	45	54	23,347	13	8	5	653	86	2,036	0	0	0	0	0	0	0	0	0	0	0	950			
13	6,560		10	7	3	23,357	-1	0	-1	652	6	2,042	0	0	0	0	0	0	0	0	-1	-1	0	949			
14	6,600	78	53	22	31	23,410	13	10	3	665	91	2,133	0	0	0	0	0	0	0	0	9	8	1	958			
*15	6,640	78	12	9	3	23,422	2	2	0	667	0	2,133	0	0	0	0	0	0	0	0	0	0	0	958			
16	6,600		Ladder closed for maintenance									Ladder closed for maintenance									Ladder closed for maintenance						
17	6,670		Ladder closed for maintenance									Ladder closed for maintenance									Ladder closed for maintenance						
18	6,640		Ladder closed for maintenance									Ladder closed for maintenance									Ladder closed for maintenance						
19	6,600		Ladder closed for maintenance									Ladder closed for maintenance									Ladder closed for maintenance						
20	6,440		Ladder closed for maintenance									Ladder closed for maintenance									Ladder closed for maintenance						
21	6,500		2	0	2	2	2	1	1	2	2	2,135	0	0	0	0	0	0	0	0	0	0	0	958			
22	6,440		5	4	1	7	1	1	0	3	3	2,138	0	0	0	0	0	0	0	0	6	4	2	964			
23	6,440		29	9	20	36	1	0	1	4	30	2,168	0	0	0	0	0	0	0	0	-1	-1	0	963			
24	6,470	73	47	25	22	83	3	2	1	7	19	2,187	0	0	0	0	0	0	0	0	3	2	1	966			
25	6,470	73	56	22	34	139	3	1	2	10	24	2,211	0	0	0	0	0	0	0	0	1	1	0	967			
26	6,640		60	31	29	199	4	3	1	14	21	2,232	0	0	0	0	0	0	0	0	0	0	0	967			
27	7,000		75	44	31	274	4	0	4	18	18	2,250	0	0	0	0	0	0	0	0	1	0	1	968			
28	7,180	70	71	32	39	345	2	1	1	20	26	2,276	0	0	0	0	0	0	0	0	4	4	0	972			
29	7,180	70	122	53	69	467	5	0	5	25	39	2,315	0	0	0	0	0	0	0	0	7	7	0	979			
30	7,420		163	87	76	630	16	3	13	41	60	2,375	4	0	4	4	0	0	0	0	2	2	0	981			
31	7,360		98	39	59	728	4	0	4	45	36	2,411	4	4	0	8	0	0	0	0	4	4	0	985			

Total Clip/Unclip
 ChS 16,388 7,034
 ChF 346 382
 580 87
 12 33
 4 4 0 0 951 34

*Spring Chinook (ChS)- Jan. 1-Aug. 15 Fall Chinook (ChF)- Aug. 16-Dec. 31

WILLAMETTE FALLS FISHWAY COUNTS

[Link to USGS Willamette River Portland \(Morrison\) Daily Hydro Data](#)
[Link to NOAA Willamette River Salem Flows](#)

Year: 2023
 Month: September

Date	Hydrological Data Flow Temp		Fall Chinook										Coho									Steelhead						Other Species
			Adult				Jack				Mini Jack		Adult			Jack			Winter (Nov 2022-May 2023)			Summer (Mar 2023-Oct 2023)			Species/Total			
			Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily	Cum.		Daily	Cum.		Daily	Cum.		Daily	Cum.						
			Total	Clipped	Unclip	728	Total	Clipped	Unclip	45	Daily	Cum.	Total	Clipped	Unclip	8	Total	Clipped	Unclip	0	Total	Clipped	Unclip	985				
1	8,060		85	39	46	813	7	2	5	52	55	2,466	23	0	23	31	3	0	3	3						11	9	2
2	7,850		15	5	10	828	4	1	3	56	9	2,475	81	9	72	112	34	3	31	37					9	7	2	1,005
3	7,240		18	12	6	846	8	3	5	64	17	2,492	152	14	138	264	24	3	21	61					9	9	0	1,014
4	7,000		10	4	6	856	6	4	2	70	7	2,499	123	20	103	387	23	5	18	84					6	2	4	1,020
5	6,970	68	9	2	7	865	2	0	2	72	3	2,502	99	11	88	486	23	6	17	107					6	4	2	1,026
6	6,900	68	16	2	14	881	5	2	3	77	1	2,503	121	17	104	607	30	1	29	137					2	2	0	1,028
7	6,790	67	20	3	17	901	5	1	4	82	4	2,507	177	17	160	784	24	2	22	161					7	3	4	1,035
8	6,760	67	21	1	20	922	0	0	0	82	14	2,521	233	22	211	1,017	71	0	71	232					7	3	4	1,042
9	6,700		12	0	12	934	1	0	1	83	6	2,527	221	21	200	1,238	59	0	59	291					4	3	1	1,046
10	6,610		42	8	34	976	6	0	6	89	6	2,533	332	38	294	1,570	87	6	81	378					5	3	2	1,051
11	6,590	68	35	3	32	1,011	3	0	3	92	12	2,545	455	31	424	2,025	132	0	132	510					4	4	0	1,055
12	6,470		19	0	19	1,030	1	0	1	93	0	2,545	477	3	474	2,502	141	0	141	651					4	2	2	1,059
13	6,470	69	27	2	25	1,057	1	0	1	94	6	2,551	687	17	670	3,189	203	1	202	854					4	2	2	1,063
14	6,440	68	21	2	19	1,078	1	0	1	95	4	2,555	839	18	821	4,028	227	0	227	1,081					1	1	0	1,064
15	6,410	69	6	1	5	1,084	2	0	2	97	11	2,566	711	21	690	4,739	236	0	236	1,317					3	1	2	1,067
16	6,380		17	2	15	1,101	0	0	0	97	0	2,566	643	19	624	5,382	265	0	265	1,582					0	0	0	1,067
17	6,330		16	0	16	1,117	3	0	3	100	2	2,568	1027	26	1,001	6,409	424	0	424	2,006					4	2	2	1,071
18	6,330	69	25	1	24	1,142	9	0	9	109	5	2,573	1167	30	1,137	7,576	612	3	609	2,618					0	0	0	1,071
19	6,300	70	10	0	10	1,152	2	0	2	111	0	2,573	908	2	906	8,484	482	0	482	3,100					4	3	1	1,075
20	6,240	70	28	2	26	1,180	6	0	6	117	0	2,573	1149	22	1,127	9,633	554	1	553	3,654					1	1	0	1,076
21	6,270	69	19	0	19	1,199	2	0	2	119	0	2,573	871	5	866	10,504	531	0	531	4,185					0	0	0	1,076
22	6,210		16	0	16	1,215	0	0	0	119	1	2,574	1090	6	1,084	11,594	577	0	577	4,762					2	1	1	1,078
23	6,500		15	3	12	1,230	1	0	1	120	1	2,575	836	17	819	12,430	426	0	426	5,188					1	0	1	1,079
24	6,790		20	2	18	1,250	4	0	4	124	0	2,575	596	7	589	13,026	227	0	227	5,415					3	1	2	1,082
25	7,120	64	12	2	10	1,262	6	0	6	130	0	2,575	462	18	444	13,488	271	0	271	5,686					5	4	1	1,087
26	7,540	64	26	2	24	1,288	8	0	8	138	2	2,577	1066	18	1,048	14,554	472	0	472	6,158					6	3	3	1,093
27	7,540	64	6	1	5	1,294	0	0	0	138	0	2,577	1047	10	1037	15,601	396	2	394	6,554					1	0	1	1,094
28	7,660	63	7	0	7	1,301	0	0	0	138	0	2,577	1241	2	1239	16,842	469	0	469	7,023					3	2	1	1,097
29	7,750		6	1	5	1,307	0	0	0	138	0	2,577	965	0	965	17,807	265	0	265	7,288					2	0	2	1,099
30	7,750		5	0	5	1,312	0	0	0	138	0	2,577	1086	5	1081	18,893	292	0	292	7,580					2	2	0	1,101
Total Clip/Unclip			446	866	25	113	450	18,443	33	7,547	1,025	76																

