



March 21, 2025

Senator Janeen Sollman, Chair
Senator David Brock Smith, Vice-Chair
Senate Committee on Energy and Environment

Re: Trout Unlimited Opposes Senate Bill 301 (Roll-Back of Existing Wake Boat Laws)

Dear Chair Sollman, Vice-Chair Brock Smith, and Members of the Committee,

Trout Unlimited (TU) is a non-profit dedicated to the conservation of cold-water fish (such as trout, salmon, and steelhead) and their habitats. TU has more than 350,000 members and supporters nationwide, including many 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 301 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 *certain recreational motor boats* from engaging in *certain damaging activities* in the area upstream of Willamette Falls.

The “-1” amendment would change the statutory language about which boats are eligible to engage in towed watersports on the Willamette River. Specifically, it would allow *larger boats* to engage in towed watersports on the river than are currently authorized.

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 seven 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* (but not water-skiing or wake-boarding or tubing) 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 *largest* motorboats engaging in towed watersports, which create the largest and most damaging artificial wakes.

2024 Roll-Back Attempt: In 2024, the legislature considered a bill that would have gutted the SB 1589 program by rescinding the towed watersports program entirely (SB 1590 (2024)), but it died after a public hearing in Senate Natural Resources.

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.¹

This information – which I’ve included for 2024 only – shows that adult salmon migrate upstream into the Newberg Pool in every month of the summer boating season. In 2024, this included: 8,697 threatened adult spring chinook in June; 3,461 threatened adult spring chinook in July; 1,631 adult chinook in August; and 37,171 adult coho and 688 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))², 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 301 (2025)

Senate Bill 301 as introduced is a study bill. However, the “-1” amendment would materially change the existing, 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.

Specifically, it would change the calculation of which boats are authorized to purchase a “towed watersports” endorsement in a way that allows larger boats to qualify than are currently allowed. To

¹ Available at: <https://myodfw.com/willamette-falls-fish-counts>

² Available at: <https://olis.oregonlegislature.gov/liz/2022R1/Downloads/PublicTestimonyDocument/39930>

qualify for a towed watersports endorsement, existing law requires that the dry gross weight of the boat plus its ballast capacity equal less than 5,500 pounds. The “-1” would delete the ballast capacity from this equation, but leave the weight limit at 5,500 pounds, thereby allowing boats to qualify for the endorsement which currently exceed the limit by thousands of pounds.

4. Existing Path for Adjusting the Framework

Section 4 of SB 1589 (2022) already set forth a process for informing further changes to existing law. It states:

SECTION 4. (1) The State Marine Board may conduct a study on increasing or decreasing the maximum loading weight prescribed in ORS 830.643. If the board undertakes a study, the board shall determine on the basis of objective, peer reviewed scientific research whether increasing or decreasing the maximum loading weight is likely to:

- (a) Have an adverse effect on the waters, beds and banks of this state;
 - (b) Have an adverse effect on aquatic, nearshore and shoreline habitats, fish and wildlife habitats and salmonid habitats; or
 - (c) Exceed or violate state or federal turbidity limits.
- (2) Before making a determination, the board shall consult with and receive comments from the Department of State Lands, the State Department of Fish and Wildlife and the Department of Environmental Quality.
- (3) If the board undertakes a study under this section, the board shall report to the interim committees of the Legislative Assembly related to the environment, in the manner provided in ORS 192.245, on the board's research, findings, determinations and recommendations, including recommendations for legislative changes, if any.

SB 301 short-circuits that process. If the Legislature is interested in changing existing law on this topic, then TU recommends that the Legislature provide funding for the study contemplated by SB 1589, and direct the Marine Board to complete the study and use that to inform changes to the existing framework.

Conclusion

Trout Unlimited opposes SB 301. 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

2024 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: 2024
Month: May

Date	Hydrological Data FlowTemp		Spring Chinook										Coho										Steelhead										Other Species	
			Adult				Jack				Mini Jack		Adult				Jack				Winter (Nov 2023-May 2024)					Summer (Mar 2024-Oct 2024)								
			Daily		Cum.	Daily		Cum.	Daily	Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Total	Clipped	Unclip	Cum.	Total	Clipped	Unclip	Cum.							
			Total	Clipped	Unclip	2,471	Total	Clipped	Unclip	5				Total	Clipped	Unclip		Total	Clipped	Unclip		Total	Clipped	Unclip		Species/Total								
1	22,800	53	24	18	6	2,495	0	0	0	5	0	0									9	0	9	8,514	61	61	0	2,990						
2	23,100	53	33	25	8	2,528	0	0	0	5	0	0									14	0	14	8,528	88	88	0	3,078						
3	24,200	52	40	32	8	2,568	0	0	0	5	0	0									10	0	10	8,538	106	106	0	3,184						
4	26,500		49	33	16	2,617	1	1	0	6	0	0									13	0	13	8,551	121	121	0	3,305						
5	38,100		29	23	6	2,646	1	0	1	7	0	0									8	0	8	8,559	41	41	0	3,346						
6	50,800	50	7	5	2	2,653	0	0	0	7	0	0									6	0	6	8,565	10	10	0	3,356						
7	53,500	50	0	0	0	2,653	0	0	0	7	0	0									6	0	6	8,571	4	4	0	3,360						
8	49,300	50	13	11	2	2,666	0	0	0	7	0	0									13	0	13	8,584	69	69	0	3,429						
9	43,900	50	34	28	6	2,700	0	0	0	7	0	0									18	0	18	8,602	209	209	0	3,638						
10	37,300		121	91	30	2,821	0	0	0	7	0	0									21	0	21	8,623	411	411	0	4,049						
11	32,900		514	424	90	3,335	7	5	2	14	0	0									21	0	21	8,644	321	321	0	4,370						
12	30,300		806	593	213	4,141	7	5	2	21	0	0									59	0	59	8,703	336	336	0	4,706						
13	27,800	60	941	722	219	5,082	11	8	3	32	0	0									28	0	28	8,731	342	342	0	5,048						
14	25,800	60	565	418	147	5,647	9	6	3	41	0	0									24	0	24	8,755	372	372	0	5,420						
15	22,100	60	430	322	108	6,077	16	12	4	57	0	0									17	0	17	8,772	283	283	0	5,703						
16	20,000	61	288	246	42	6,365	2	2	0	59	0	0									3	0	3	8,775	265	265	0	5,968						
17	18,100	61	348	280	68	6,713	15	15	0	74	0	0									2	0	2	8,777	229	229	0	6,197						
18	17,100		257	205	52	6,970	8	7	1	82	0	0									20	0	20	8,797	222	222	0	6,419						
19	16,500		227	174	53	7,197	13	10	3	95	0	0									21	0	21	8,818	176	176	0	6,595						
20	15,600	61	212	168	44	7,409	9	7	2	104	0	0									14	0	14	8,832	172	172	0	6,767						
21	14,800	60	128	112	16	7,537	5	4	1	109	0	0									17	0	17	8,849	174	174	0	6,941						
22	14,100	60	125	101	24	7,662	3	2	1	112	0	0									9	0	9	8,858	142	142	0	7,083						
23	14,500	58	145	111	34	7,807	4	3	1	116	0	0									16	0	16	8,874	141	141	0	7,224						
24	14,200	58	126	105	21	7,933	6	6	0	122	0	0									4	0	4	8,878	153	153	0	7,377						
25	14,900	58	165	145	20	8,098	2	2	0	124	1	1									1	0	1	8,879	146	146	0	7,523						
26	13,500	57	172	137	35	8,270	29	25	4	153	0	1									6	0	6	8,885	131	131	0	7,654						
27	13,500	58	154	125	29	8,424	2	2	0	155	0	1									1	0	1	8,886	147	147	0	7,801						
28	13,400	59	131	106	25	8,555	4	4	0	159	0	1									3	0	3	8,889	150	150	0	7,951						
29	13,100	60	203	166	37	8,758	1	1	0	160	0	1									3	0	3	8,892	187	187	0	8,138						
30	13,200	60	178	143	35	8,936	1	1	0	161	0	1									5	0	5	8,897	176	176	0	8,314						
31	12,800		187	133	54	9,123	3	2	1	164	1	2									11	0	11	8,908	210	210	0	8,524						
Total Clip/Unclip			6,907		2,216	133		31														149		8,759		8,524		0						

WILLAMETTE FALLS FISHWAY COUNTS

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

Year: 2024
Month: June

Date	Hydrological Data		Spring Chinook										Coho								Steelhead								Other Species			
			Adult				Jack				Mini Jack		Adult				Jack				Winter (Nov 2023-May 2024)				Summer (Mar 2024-Oct 2024)							
			Daily		Cum.	Daily		Cum.	Daily	Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Species/Total						
			Total	Clipped	Unclip	9,123	Total	Clipped	Unclip	164	Daily	Cum.	Total	Clipped	Unclip		Total	Clipped	Unclip		Total	Clipped	Unclip		Total	Clipped	Unclip	8,524				
1	12,700		140	115	25	9,263	4	4	0	168	1	3																				
2	12,800		156	121	35	9,419	4	4	0	172	2	5																				
3	14,800	62	229	195	34	9,648	2	2	0	174	3	8																				
4	23,400	62	168	128	40	9,816	4	3	1	178	3	11																				
5	21,000	60	151	123	28	9,967	4	3	1	182	6	17																				
6	18,200	60	86	66	20	10,053	5	5	0	187	4	21																				
7	16,600	61	165	132	33	10,218	7	7	0	194	5	26																				
8	16,000		257	203	54	10,475	3	3	0	197	14	40																				
9	15,500		296	268	28	10,771	4	3	1	201	26	66																				
10	14,500	65	256	198	58	11,027	10	10	0	211	14	80																				
11	13,600	65	253	197	56	11,280	13	10	3	224	20	100																				
12	12,800	67	225	171	54	11,505	12	11	1	236	9	109																				
13	11,900	67	409	319	90	11,914	15	11	4	251	20	129																				
14	11,500	68	511	408	103	12,425	5	5	0	256	19	148																				
15	11,300		485	386	99	12,910	9	7	2	265	29	177																				
16	11,200		411	371	40	13,321	7	5	2	272	25	202																				
17	11,100	68	430	367	63	13,751	7	7	0	279	29	231																				
18	10,800	66	244	192	52	13,995	7	7	0	286	38	269																				
19	10,200		285	244	41	14,280	4	4	0	290	52	321																				
20	9,700	64	450	350	100	14,730	7	6	1	297	72	393																				
21	9,380	64	476	382	94	15,206	13	11	2	310	81	474																				
22	9,300		434	359	75	15,640	11	11	0	321	107	581																				
23	9,400		374	302	72	16,014	7	5	2	328	99	680																				
24	9,650	70	275	220	55	16,289	10	10	0	338	99	779																				
25	9,480	70	275	227	48	16,564	11	10	1	349	73	852																				
26	9,250	71	212	189	23	16,776	5	5	0	354	58	910																				
27	9,220	71	288	228	60	17,064	25	23	2	379	104	1,014																				
28	9,150		229	196	33	17,293	9	7	2	388	62	1,076																				
29	9,050		280	220	60	17,573	4	3	1	392	91	1,167																				
30	9,400		247	198	49	17,820	5	2	3	397	136	1,303																				
Total Clip/Unclip			13,982				3,838		337		60														15,776				518			

WILLAMETTE FALLS FISHWAY COUNTS

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

Year: 2024
 Month: July

Date	Hydrological Data FlowTemp		Spring Chinook										Coho								Steelhead								Other Species		
			Adult				Jack				Mini Jack		Adult				Jack				Winter (Nov 2023-May 2024)				Summer (Mar 2024-Oct 2024)				Species/Total		
			Daily		Cum.	Daily		Cum.	Daily	Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.									
			Total	Clipped		Total	Clipped				Total	Clipped		Total	Clipped		Total	Clipped		Total	Clipped		Total	Clipped							
1	10,000	70	209	156	53	18,029	10	10	0	407	160	1,463																			
2	10,500	71	266	239	27	18,295	4	4	0	411	180	1,643																			
3	10,500	71	375	336	39	18,670	12	10	2	423	202	1,845																			
4	10,100		279	242	37	18,949	7	7	0	430	150	1,995																			
5	10,100		332	297	35	19,281	14	14	0	444	161	2,156																			
6	10,000		284	228	56	19,565	6	7	-1	450	168	2,324																			
7	9,900		221	171	50	19,786	6	6	0	456	160	2,484																			
8	9,800	73	155	104	51	19,941	3	1	2	459	119	2,603																			
9	9,650	75	117	79	38	20,058	5	4	1	464	115	2,718																			
10	9,680	77	74	59	15	20,132	2	1	1	466	94	2,812																			
11	9,580	78	37	28	9	20,169	3	3	0	469	43	2,855																			
12	9,450	78	43	34	9	20,212	1	1	0	470	27	2,882																			
13	9,380		26	21	5	20,238	2	2	0	472	18	2,900																			
14	9,380	78	21	17	4	20,259	0	0	0	472	38	2,938																			
15	9,380	78	16	11	5	20,275	1	1	0	473	20	2,958																			
16	8,400	78	8	8	0	20,283	0	0	0	473	22	2,980																			
17	7,900		10	7	3	20,293	0	0	0	473	17	2,997																			
18	6,880	76	5	3	2	20,298	0	0	0	473	13	3,010																			
19	6,880	76	16	14	2	20,314	0	0	0	473	24	3,034																			
20	7,000		19	12	7	20,333	1	1	0	474	52	3,086																			
21	7,100		34	27	7	20,367	2	1	1	476	58	3,144																			
22	7,450	77	63	42	21	20,430	1	1	0	477	40	3,184																			
23	7,500	77	80	59	21	20,510	3	3	0	480	37	3,221																			
24	7,400	76	93	59	34	20,603	2	0	2	482	48	3,269																			
25	7,660	76	80	62	18	20,683	0	0	0	482	66	3,335																			
26	8,600	76	72	48	24	20,755	1	-1	2	483	81	3,416																			
27	8,700		136	91	45	20,891	3	2	1	486	143	3,559																			
28	8,600		142	96	46	21,033	8	4	4	494	168	3,727																			
29	8,160	74	89	60	29	21,122	3	3	0	497	93	3,820																			
30	7,500	74	76	44	32	21,198	4	3	1	501	104	3,924																			
31	7,400		83	48	35	21,281	2	0	2	503	106	3,926																			
Total Clip/Unclip			16,684		4,597	425		78													17,506				607						

WILLAMETTE FALLS FISHWAY COUNTS

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

Year: 2024
 Month: August

Date	Hydrological Data		Spring/Fall Chinook									Coho								Steelhead							Other Species	
			Adult				Jack				Mini Jack		Adult				Jack				Winter (Nov 2023-May 2024)				Summer (Mar 2024-Oct 2024)			
			Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily			Cum.	Daily		Cum.				
			Total	Clipped	Unclip	21,281	Total	Clipped	Unclip	503	Daily	Cum.	Total	Clipped	Unclip	0	Total	Clipped	Unclip	0	Total	Clipped	Unclip	18,113	Species/Total			
1	7,360	72	138	83	55	21,419	1	1	0	504	133	4,059	0	0	0	0	0	0	0				43	39	4	18,156		
2	7,240	72	187	93	94	21,606	14	13	1	518	115	4,174	0	0	0	0	0	0	0	0				37	32	5	18,193	
3	7,200		129	62	67	21,735	4	4	0	522	145	4,319	0	0	0	0	0	0	0	0				21	17	4	18,214	
4	7,800		64	40	24	21,799	26	26	0	548	139	4,458	0	0	0	0	0	0	0	0				21	21	0	18,235	
5	7,880	74	37	23	14	21,836	7	7	0	555	92	4,550	1	1	0	1	0	0	0	0				8	8	0	18,243	
6	7,660	74	30	16	14	21,866	3	3	0	558	62	4,612	0	0	0	1	0	0	0	0				5	5	0	18,248	
7	7,540	77	12	6	6	21,878	3	2	1	561	32	4,644	0	0	0	1	0	0	0	0				3	2	1	18,251	
8	7,570	77	13	6	7	21,891	11	6	5	572	50	4,694	1	0	1	2	0	0	0	0				6	6	0	18,257	
9	7,500	78	18	8	10	21,909	11	9	2	583	47	4,741	1	1	0	3	0	0	0	0				2	2	0	18,259	
10	7,570		16	6	10	21,925	3	2	1	586	50	4,791	0	0	0	3	0	0	0	0				6	6	0	18,265	
11	7,480		10	3	7	21,935	4	4	0	590	30	4,821	1	0	1	4	0	0	0	0				4	3	1	18,269	
12	7,500	75	18	4	14	21,953	1	1	0	591	24	4,845	0	0	0	4	0	0	0	0				5	3	2	18,274	
13	7,600	74	10	5	5	21,963	4	2	2	595	20	4,865	0	0	0	4	0	0	0	0				1	1	0	18,275	
14	7,200	74	4	1	3	21,967	5	5	0	600	28	4,893	2	0	2	6	0	0	0	0				1	0	1	18,276	
*15	7,090	73	22	5	17	21,989	3	2	1	603	38	4,931	0	0	0	6	0	0	0	0				9	8	1	18,285	
16	7,100	73	18	7	11	18	5	2	3	5	31	4,962	3	2	1	9	0	0	0	0				6	6	0	18,291	
17	7,120		47	17	30	65	2	2	0	7	45	5,007	2	2	0	11	0	0	0	0				10	8	2	18,301	
18	7,330		42	10	32	107	8	5	3	15	46	5,053	2	2	0	13	0	0	0	0				23	21	2	18,324	
19	7,480	71	64	22	42	171	7	5	2	22	40	5,093	1	0	1	14	0	0	0	0				19	16	3	18,343	
20	7,300	71	106	42	64	277	12	5	7	34	75	5,168	4	1	3	18	1	1	0	1				18	16	2	18,361	
21	7,200	70	91	22	69	368	6	2	4	40	55	5,223	4	0	4	22	0	0	0	1				25	21	4	18,386	
22	7,180	70	63	17	46	431	6	0	6	46	38	5,261	10	0	10	32	0	0	0	1				22	17	5	18,408	
23	7,150	70	40	8	32	471	0	0	0	46	27	5,288	4	0	4	36	0	0	0	1				16	10	6	18,424	
24	7,300		25	9	16	496	5	0	5	51	11	5,299	1	0	1	37	0	0	0	1				16	13	3	18,440	
25	7,450		36	19	17	532	6	2	4	57	19	5,318	3	0	3	40	0	0	0	1				4	4	0	18,444	
26	7,390	70	47	12	35	579	7	4	3	64	12	5,330	4	0	4	44	0	0	0	1				20	18	2	18,464	
27	7,240	70	57	10	47	636	10	2	8	74	23	5,353	13	0	13	57	1	0	1	2				16	7	9	18,480	
28	7,150	70	58	8	50	694	6	2	4	80	15	5,368	8	1	7	65	3	1	2	5				25	22	3	18,505	
29	7,060	68	74	12	62	768	14	1	13	94	23	5,391	32	6	26	97	3	2	1	8				16	15	1	18,521	
30	7,030		75	10	65	843	9	4	5	103	20	5,411	22	5	17	119	8	1	7	16				13	8	5	18,534	
31	7,270		80	11	69	923	4	2	2	107	26	5,437	20	3	17	139	8	0	8	24				18	14	4	18,552	
Total Clip/Unclip			ChS	17,045	4,944	512			91	24			115	5			19	17,875			677							
			ChF	236	687	38			69																			

*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: 2024
Month: September

Date	Hydrological Data		Fall Chinook								Coho								Steelhead								Other Species															
			Adult				Jack				Mini Jack		Adult				Jack				Winter (Nov 2023-May 2024)				Summer (Mar 2024-Oct 2024)				Species/Total													
			Daily		Cum.	Daily		Cum.	Daily	Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.	Daily		Cum.																	
			Flow	Temp	Total	Clipped	Unclip	923	Total	Clipped	Unclip	107	Daily	Cum.	Total	Clipped	Unclip	139	Total	Clipped	Unclip	24	Total	Clipped	Unclip	18,552																
1	7,570		59	8	51	982	23	7	16	130	28	5,465	23	0	23	162	7	0	7	31				8	7	1	18,560															
2	7,630		42	4	38	1,024	11	1	10	141	25	5,490	73	6	67	235	7	0	7	38				7	6	1	18,567															
3	7,970	70	37	5	32	1,061	12	2	10	153	18	5,508	55	3	52	290	2	0	2	40				5	4	1	18,572															
4	8,530	70	159	20	139	1,220	42	11	31	195	33	5,541	44	11	33	334	6	0	6	46				11	8	3	18,583															
5	8,380	71	54	6	48	1,274	5	0	5	200	10	5,551	140	2	138	474	26	0	26	72				18	18	0	18,601															
6	8,300	71	31	4	27	1,305	5	0	5	205	10	5,561	189	2	187	663	31	0	31	103				12	10	2	18,613															
7	8,790		19	2	17	1,324	4	1	3	209	9	5,570	534	22	512	1,197	54	0	54	157				15	13	2	18,628															
8	9,380		54	9	45	1,378	6	0	6	215	26	5,596	754	35	719	1,951	71	0	71	228				13	12	1	18,641															
9	9,880		40	5	35	1,418	8	1	7	223	13	5,609	666	43	623	2,617	138	0	138	366				17	15	2	18,658															
10	9,680		22	3	19	1,440	3	0	3	226	4	5,613	651	42	609	3,268	91	0	91	457				6	6	0	18,664															
11	9,610	70	22	4	18	1,462	5	1	4	231	3	5,616	762	36	726	4,030	127	1	126	584				5	3	2	18,669															
12	9,800	70	12	1	11	1,474	1	0	1	232	0	5,616	531	37	494	4,561	120	1	119	704				8	6	2	18,677															
13	9,180	70	16	2	14	1,490	3	0	3	235	4	5,620	718	29	689	5,279	88	0	88	792				10	9	1	18,687															
14	8,830		11	5	6	1,501	2	0	2	237	0	5,620	712	13	699	5,991	104	5	99	896				12	9	3	18,699															
15	8,860		8	3	5	1,509	0	0	0	237	0	5,620	891	8	883	6,882	138	0	138	1,034				5	3	2	18,704															
16	8,860	67	14	1	13	1,523	3	1	2	240	0	5,620	2,529	44	2,485	9,411	292	7	285	1,326				15	8	7	18,719															
17	9,250	67	12	2	10	1,535	0	0	0	240	0	5,620	2,248	22	2,226	11,659	369	0	369	1,695				8	7	1	18,727															
18	9,450	65	10	2	8	1,545	0	0	0	240	0	5,620	1,792	19	1,773	13,451	242	0	242	1,937				2	1	1	18,729															
19	9,580	65	7	2	5	1,552	0	0	0	240	0	5,620	2,039	1	2,038	15,490	228	0	228	2,165				5	2	3	18,734															
20	9,850		6	2	4	1,558	1	0	1	241	0	5,620	2,061	12	2,049	17,551	217	0	217	2,382				4	3	1	18,738															
21	10,300		2	-2	4	1,560	0	0	0	241	0	5,620	2,567	2	2,565	20,118	315	0	315	2,697				2	1	1	18,740															
22	10,600		5	2	3	1,565	0	0	0	241	0	5,620	2,256	15	2,241	22,374	213	2	211	2,910				13	9	4	18,753															
23	10,600	63	6	2	4	1,571	0	0	0	241	0	5,620	2,193	17	2,176	24,567	227	2	225	3,137				8	6	2	18,761															
24	10,700	63	11	2	9	1,582	3	1	2	244	0	5,620	1,991	6	1,985	26,558	273	0	273	3,410				9	5	4	18,770															
25	9,980	64	6	0	6	1,588	0	0	0	244	0	5,620	1,567	2	1,565	28,125	259	0	259	3,669				5	3	2	18,775															
26	9,800	64	6	1	5	1,594	0	0	0	244	0	5,620	2,029	1	2,028	30,154	266	0	266	3,935				4	1	3	18,779															
27	9,780		4	0	4	1,598	0	0	0	244	0	5,620	2,077	3	2,074	32,231	205	2	203	4,140				3	3	0	18,782															
28	9,380		4	1	3	1,602	0	0	0	244	0	5,620	1,869	0	1,869	34,100	220	0	220	4,360				3	4	-1	18,785															
29	9,090		5	0	5	1,607	0	0	0	244	0	5,620	1,724	3	1,721	35,824	185	0	185	4,545				8	2	6	18,793															
30	8,990	63	4	0	4	1,611	0	0	0	244	0	5,620	1,486	4	1,482	37,310	195	0	195	4,740				7	3	4	18,800															
Total Clip/Unclip			332				1,279				64				180				464				36,846				25				4,715				18,062				738			