





# WILLAMETTE FALLS FISHWAY COUNTS

Month March

Year 2009

Date	Hydrological Data					Spring Chinook						Coho				Steelhead			
						Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter	
	Flow	Tailwater	Temp.	Hwtr.	Turbidity	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
																		1,009	
1	26,000																	14	1,023
2	24,000		41	55.7	1.4											5	5	82	1,105
3	26,500		41	55.7	1.4											5	10	95	1,200
4	26,000		42	55.9	2.0											18	28	89	1,289
5	23,000		43	55.8	1.7											20	48	103	1,392
6	23,000															17	65	63	1,455
7	23,000					1	1									4	69	24	1,479
8	21,000		43	56.0	2.7	0	1									3	72	12	1,491
9	20,000		43	55.9	2.6	0	1									4	76	14	1,505
10	18,000		44	55.9	3.2	0	1									2	78	7	1,512
11	16,700		44	55.7	3.3	0	1									3	81	5	1,517
12	15,000		42	55.6	3.3	0	1									1	82	2	1,519
13	14,500		42	55.5	3.4	1	2									2	84	3	1,522
14	14,000					1	3									7	91	3	1,525
15	15,000					2	5									5	96	4	1,529
16	26,000		43	55.4	2.8	1	6									8	104	14	1,543
17	37,000		43	57.2	2.7	0	6									0	104	15	1,558
18	34,000		44	57.5	1.0	0	6									4	108	18	1,576
19	30,000		44	56.8	1.6	0	6									15	123	54	1,630
20	27,000		46	56.0	1.6	0	6									18	141	70	1,700
21	25,000					2	8									21	162	68	1,768
22	24,000					3	11									23	185	24	1,792
23	25,000		48	56.1	2.8	1	12									10	195	17	1,809
24	24,000		48	56.2	2.8	1	13									14	209	21	1,830
25	23,000		47	56.0	2.8	0	13									4	213	7	1,837
26	24,000		47	56.3	2.6	0	13									10	223	10	1,847
27	27,000					1	14									12	235	15	1,862
28	25,000					1	15									20	255	16	1,878
29	26,000					3	18									16	271	36	1,914
30	29,000		48	56.5	3.0	0	18									8	279	18	1,932
31	28,000		48	56.2	3.1	1	19									14	293	18	1,950



## WILLAMETTE FALLS FISHWAY COUNTS

Month     May     Year     2009    

Date	Hydrological Data					Spring Chinook						Coho				Steelhead			
						Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter	
	Flow	Tailwater	Temp.	Hwtr.	Turbidity	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
							2,542		9						1,304		2,478		
1	15,500					158	2,700	0	9						50	1,354	5	2,483	
2	15,000					322	3,022	2	11						89	1,443	27	2,510	
3	17,000					1,257	4,279	11	22						111	1,554	50	2,560	
4	18,000		54	53.9	5.7	642	4,921	18	40						60	1,614	22	2,582	
5	21,000		53	55.2	4.5	995	5,916	55	95						165	1,779	42	2,624	
6	37,000		53	56.2	2.7	75	5,991	7	102						57	1,836	6	2,630	
7	49,000		53	58.2	2.5	13	6,004	1	103						21	1,857	8	2,638	
8	50,400		51	58.8	1.5	4	6,008	2	105						18	1,875	15	2,653	
9	44,000					22	6,030	1	106						150	2,025	43	2,696	
10	36,000					38	6,068	6	112						251	2,276	39	2,735	
11	30,000		52	56.6	2.6	63	6,131	8	120						205	2,481	29	2,764	
12	26,000		52	56.1	2.9	83	6,214	14	134						87	2,568	10	2,774	
13	26,000		53	55.8	4.2	205	6,419	23	157						117	2,685	23	2,797	
14	27,000		53	55.7	4.3	342	6,761	20	177	1	1				164	2,849	9	2,806	
15	32,000		53	56.6	4.3	86	6,847	8	185	0	1				112	2,961	7	2,813	
16	30,000					105	6,952	16	201	1	2				120	3,081			
17	27,000		55	56.0	4.3	477	7,429	19	220	1	3				174	3,255			
18	26,000		56	55.4	4.2	1,453	8,882	53	273	3	6				222	3,477			
19	25,500		58	55.2	5.2	1,178	10,060	71	344	0	6				205	3,682			
20	26,000		58	56.1	5.3	740	10,800	89	433	6	12				187	3,869			
21	25,000		58			487	11,287	66	499	6	18				182	4,051			
22	22,000					383	11,670	44	543	5	23				139	4,190			
23	21,000					516	12,186	37	580	0	23				238	4,428			
24	20,000					521	12,707	140	720	28	51				233	4,661			
25	18,000					524	13,231	64	784	0	51				251	4,912			
26	18,000		60	54.7	5.5	471	13,702	81	865	0	51				194	5,106			
27	18,000		60	54.7	5.6	538	14,240	98	963	2	53				199	5,305			
28	17,000		61	54.3	5.8	530	14,770	85	1,048	1	54				172	5,477			
29	16,000		63	54.1	6.0	552	15,322	101	1,149	3	57				186	5,663			
30	16,000					1,077	16,399	153	1,302	2	59				186	5,849			
31	16,000					661	17,060	93	1,395	1	60				160	6,009			

\* Steelhead were only counted as Summer Steelhead beginning on May 16.



## WILLAMETTE FALLS FISHWAY COUNTS

Month July

Year 2009

Date	Hydrological Data					Spring Chinook						Coho				Steelhead			
						Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter	
	Flow	Tailwater	Temp.	Hwtr.	Turbidity	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
							23,424		2,203		1,864						11,701		
1	7,800		69	53.2	5.3	202	23,626	20	2,223	218	2,082						172	11,873	
2	7,300		69	53.3	5.4	345	23,971	34	2,257	242	2,324						205	12,078	
3	7,100		70	54.2	5.5	210	24,181	31	2,288	213	2,537						156	12,234	
4	7,300					226	24,407	23	2,311	210	2,747						107	12,341	
5	7,200					157	24,564	16	2,327	233	2,980						94	12,435	
6	7,200		72	55.8	5.2	122	24,686	18	2,345	259	3,239						139	12,574	
7	7,100		72	54.5	5.2	81	24,767	12	2,357	292	3,531						116	12,690	
8	7,100		73	53.7	5.7	78	24,845	9	2,366	268	3,799						117	12,807	
9	6,800		73	55.2	5.7	68	24,913	8	2,374	137	3,936						68	12,875	
10	6,700		72	55.5	5.9	84	24,997	14	2,388	155	4,091						97	12,972	
11	7,100					53	25,050	21	2,409	195	4,286						103	13,075	
12	6,800					39	25,089	11	2,420	142	4,428						123	13,198	
13	7,400		69	56.0	4.8	34	25,123	13	2,433	197	4,625						156	13,354	
14	7,300		68	55.9	5.8	43	25,166	5	2,438	118	4,743						140	13,494	
15	7,200		70	55.5	6.8	54	25,220	13	2,451	186	4,929						138	13,632	
16	7,000					41	25,261	17	2,468	175	5,104						86	13,718	
17	6,700		70	55.7	6.3	55	25,316	6	2,474	99	5,203						38	13,756	
18	6,400					87	25,403	8	2,482	111	5,314						105	13,861	
19	6,400					86	25,489	19	2,501	209	5,523						101	13,962	
20	6,400		72	55.5	6.8	45	25,534	15	2,516	181	5,704						83	14,045	
21	6,300		73	55.3	6.8	44	25,578	3	2,519	179	5,883						54	14,099	
22	6,300		75	55.6	6.4	20	25,598	2	2,521	114	5,997						41	14,140	
23	6,200		75	55.5	6.4	24	25,622	15	2,536	75	6,072						13	14,153	
24	6,300					17	25,639	10	2,546	95	6,167						22	14,175	
25	6,300					13	25,652	5	2,551	61	6,228						13	14,188	
26	6,300		75	55.3	6.4	9	25,661	3	2,554	46	6,274						14	14,202	
27	6,300		76	55.3	6.3	4	25,665	12	2,566	34	6,308						7	14,209	
28	6,100					4	25,669	8	2,574	47	6,355						4	14,213	
29	5,900					3	25,672	7	2,581	31	6,386						1	14,214	
30	6,100					1	25,673	0	2,581	7	6,393						0	14,214	
31	6,000					0	25,673	0	2,581	2	6,395						0	14,214	

## WILLAMETTE FALLS FISHWAY COUNTS

Month August

Year 2009

Date	Hydrological Data					Spring/Fall Chinook						Coho				Steelhead			
						Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter	
	Flow	Tailwater	Temp.	Hwtr.	Turbidity	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
							25,673		2,581		6,395		0		0		14,214		
1	6,100					0	25,673	0	2,581	2	6,397	0	0	0	0	0	14,214		
2	6,300					0	25,673	0	2,581	2	6,399	0	0	0	0	0	14,214		
3	6,300					0	25,673	0	2,581	0	6,399	0	0	0	0	0	14,214		
4	6,400					0	25,673	0	2,581	0	6,399	0	0	0	0	0	14,214		
5	6,400					0	25,673	0	2,581	2	6,401	0	0	0	0	0	14,214		
6	6,600		78	55.7	5.8	0	25,673	0	2,581	0	6,401	0	0	0	0	0	14,214		
7	6,700		77	56.1	5.8	0	25,673	1	2,582	3	6,404	0	0	0	0	0	14,214		
8	6,800		76	56.3	6.0	2	25,675	0	2,582	14	6,418	0	0	0	0	1	14,215		
9	7,100					2	25,677	5	2,587	29	6,447	0	0	0	0	5	14,220		
10	7,100		72	56.4	6.8	9	25,686	10	2,597	44	6,491	0	0	0	0	2	14,222		
11	7,000		72	56.6	6.8	8	25,694	4	2,601	83	6,574	0	0	0	0	5	14,227		
12	7,000		70	56.5	6.6	10	25,704	18	2,619	93	6,667	0	0	0	0	8	14,235		
13	6,800		70	56.6	6.8	20	25,724	27	2,646	121	6,788	0	0	0	0	33	14,268		
14	6,800		70	56.7	6.4	29	25,753	42	2,688	130	6,918	0	0	0	0	37	14,305		
15	6,600					42	25,795	31	2,719	107	7,025	0	0	0	0	55	14,360		
16	6,600					30	30	18	18	111	7,136	2	2	0	0	31	14,391		
17	6,700		70	56.6	7.4	21	51	12	30	98	7,234	0	2	0	0	52	14,443		
18	6,700		70	56.5	7.5	17	68	6	36	72	7,306	2	4	2	2	44	14,487		
19	6,600		72	56.3	7.3	20	88	4	40	72	7,378	0	4	0	2	46	14,533		
20	6,400		72	56.5	6.8	24	112	3	43	40	7,418	4	8	1	3	11	14,544		
21	6,500		71	56.7	6.6	15	127	4	47	32	7,450	2	10	1	4	16	14,560		
22	6,500					8	135	6	53	10	7,460	6	16	0	4	7	14,567		
23	6,500					6	141	6	59	7	7,467	4	20	2	6	15	14,582		
24	6,500		72	56.5	7.6	14	155	4	63	8	7,475	5	25	6	12	12	14,594		
25	6,500		72	56.5	7.6	12	167	6	69	1	7,476	1	26	4	16	12	14,606		
26	6,600		72	56.5	7.6	1	168	0	69	0	7,476	1	27	0	16	1	14,607		
27	7,200		73	56.6	7.7	14	182	7	76	0	7,476	2	29	0	16	2	14,609		
28	7,200					21	203	4	80	0	7,476	10	39	11	27	26	14,635		
29	7,200					12	215	1	81	0	7,476	9	48	7	34	11	14,646		
30	7,300					17	232	3	84	0	7,476	13	61	7	41	10	14,656		
31	7,400		68	56.6	7.5	20	252	2	86	0	7,476	9	70	3	44	5	14,661		

\*Chinook were counted as Fall Chinook beginning on Aug 16.





## WILLAMETTE FALLS FISHWAY COUNTS

Month October

Year 2009

Date	Hydrological Data					Fall Chinook						Coho				Steelhead			
						Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter	
	Flow	Tailwtr.	Temp.	Hwtr.	Turbidity	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
							1,181		217		7,485		13,037		1,495		14,922		
1	9,400	10.9	61	55.8	7.5	8	1,189	2	219	0	7,485	560	13,597	75	1,570	1	14,923		
2	10,000	11.4	60	55.8	7.6	6	1,195	2	221	1	7,486	638	14,235	25	1,595	8	14,931		
3	10,100					9	1,204	3	224	1	7,487	738	14,973	40	1,635	3	14,934		
4	10,000					8	1,212	2	226	0	7,487	702	15,675	39	1,674	4	14,938		
5	9,800	11.6	59	55.8	7.8	7	1,219	3	229	0	7,487	803	16,478	60	1,734	4	14,942		
6	9,200	11.2	59	55.0	7.8	8	1,227	0	229	0	7,487	725	17,203	53	1,787	1	14,943		
7	9,700	11.9	58	55.6	7.7	4	1,231	0	229	0	7,487	669	17,872	37	1,824	5	14,948		
8	10,400	12.0	58	55.7	7.6	8	1,239	0	229	0	7,487	476	18,348	34	1,858	2	14,950		
9	10,700	12.3	57	55.8	7.2	4	1,243	0	229	0	7,487	304	18,652	21	1,879	1	14,951		
10	10,500					0	1,243	0	229	0	7,487	362	19,014	10	1,889	8	14,959		
11	10,100					3	1,246	0	229	0	7,487	361	19,375	16	1,905	4	14,963		
12	9,300	11.3	56	55.3	7.6	0	1,246	0	229	0	7,487	297	19,672	19	1,924	4	14,967		
13	8,900	10.4	55	53.9	7.5	2	1,248	0	229	0	7,487	279	19,951	13	1,937	2	14,969		
14	9,400	11.3	54	55.3	7.6	3	1,251	0	229	0	7,487	209	20,160	14	1,951	2	14,971		
15	10,500	12.5	54	56.0	7.4	4	1,255	0	229	0	7,487	152	20,312	10	1,961	3	14,974		
16	11,600					3	1,258	0	229	0	7,487	186	20,498	20	1,981	12	14,986		
17	11,000					7	1,265	0	229	0	7,487	340	20,838	8	1,989	3	14,989		
18	11,000					6	1,271	0	229	0	7,487	748	21,586	13	2,002	10	14,999		
19	10,400	12.7	58	55.7	6.3	8	1,279	1	230	0	7,487	533	22,119	18	2,020	11	15,010		
20	10,200	11.3	58	55.7	6.5	7	1,286	0	230	0	7,487	374	22,493	7	2,027	11	15,021		
21	10,500	11.7	59	55.8	6.8	5	1,291	0	230	0	7,487	252	22,745	2	2,029	4	15,025		
22	11,300	12.4	59	55.8	6.8	6	1,297	0	230	0	7,487	145	22,890	2	2,031	5	15,030		
23	12,000		58	55.8	5.2	6	1,303	0	230	0	7,487	98	22,988	7	2,038	3	15,033		
24	12,000					1	1,304	0	230	0	7,487	101	23,089	2	2,040	4	15,037		
25	12,000					4	1,308	1	231	0	7,487	96	23,185	2	2,042	2	15,039		
26	11,200	12.5	55	55.7	4.5	4	1,312	0	231	0	7,487	171	23,356	2	2,044	8	15,047		
27	11,000	12.7	54	55.7	5.2	5	1,317	0	231	0	7,487	270	23,626	4	2,048	3	15,050		
28	12,400	13.3	54	56.0	5.2	2	1,319	0	231	0	7,487	181	23,807	4	2,052	4	15,054		
29	12,600		53	55.7	5.2	6	1,325	0	231	0	7,487	323	24,130	3	2,055	5	15,059		
30	13,400	14.0	53	55.7	4.9	3	1,328	0	231	0	7,487	141	24,271	1	2,056	2	15,061		
31	15,500					3	1,331	0	231	0	7,487	101	24,372	4	2,060	1	15,062		



## WILLAMETTE FALLS FISHWAY COUNTS

Month December

Year 2009

Date	Hydrological Data					Fall Chinook						Coho				Steelhead			
						Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter	
	Flow	Tailwtr.	Temp.	Hwtr.	Turbidity	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
1	28,000	18.5	45	56.7	3.3							3	25,273	0	2,093			8	122
2	24,000		44	56.2	3.3							0	25,273	0	2,093			5	127
3	19,000	16.5	42	56.1	3.6							0	25,273	0	2,093			1	128
4	16,000	14.4	42	56.0	3.9							3	25,276	1	2,094			5	133
5	14,000											7	25,283	0	2,094			3	136
6	13,000											0	25,283	0	2,094			0	136
7	12,000	12.3	39	55.1	4.8							0	25,283	0	2,094			0	136
8	12,000	12.0	38	55.0	5.0							0	25,283	0	2,094			0	136
9	12,200	11.8	35	54.7	5.5							0	25,283	0	2,094			0	136
10	13,000	11.6	33	54.8	6.0							0	25,283	0	2,094			0	136
11	12,200	12.1	33	55.0	6.2							0	25,283	0	2,094			0	136
12	11,400											0	25,283	0	2,094			0	136
13	11,000											0	25,283	0	2,094			0	136
14	10,000	11.7	34	54.6	5.2							0	25,283	0	2,094			1	137
15	10,300	11.4	36	54.6	4.2							0	25,283	0	2,094			0	137
16	24,000	13.3	38	55.7	3.0							1	25,284	0	2,094			7	144
17	37,000	19.6	40	57.6	1.3							0	25,284	0	2,094			0	144
18	38,300	21.6	42	58.0	<1.0							0	25,284	0	2,094			3	147
19	34,300											0	25,284	0	2,094			20	167
20	31,000											2	25,286	0	2,094			83	250
21	34,000	19.5	43	57.0	<1.0							2	25,288	0	2,094			122	372
22	44,000	20.3	45	57.9	<1.0							0	25,288	0	2,094			72	444
23	43,000	21.6	44	58.1	1.2							1	25,289	0	2,094			8	452
24	38,000											2	25,291	0	2,094			19	471
25	33,000											1	25,292	0	2,094			23	494
26	27,000											0	25,292	0	2,094			13	507
27	22,400											0	25,292	0	2,094			12	519
28	20,000	16.6	40	55.5	3.2							0	25,292	0	2,094			10	529
29	18,000	16.0	39	55.5	3.3							4	25,296	0	2,094			31	560
30	18,000	14.9	38	55.6	3.3							2	25,298	0	2,094			0	560
31	21,000	16.0	38	55.6	3.5							0	25,298	0	2,094			5	565