

WILLAMETTE FALLS FISHWAY COUNTS

Month March Year 2017

Date	Hydrological Data						Spring Chinook						Coho				Steelhead				Other	
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter			
	Flow	HW	TW	Diff	Temp	Vis	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
																					386	
1	33,600	57.5	20.5	37.0	42	2.0															12	398
2	32,100	57.2	19.7	37.5	42	2.0															18	416
3	29,200																				23	439
4	28,500																				18	457
5	32,100																				5	462
6	33,500	57.3	19.4	37.9	43	2.2															10	472
7	38,200	57.5	20.2	37.3	43	2.2															4	476
8	45,900	58.0	21.1	36.9	42	1.4															7	483
9	65,000	59.0	24.1	34.9	42	1.0															7	490
10	86,500	60.1	27.4	32.7	45																10	500
11	94,100																				5	505
12	80,500																				10	515
13	62,800	60.3	29.8	30.5	48												1	1	21	536		
14		59.6	27.0	32.6	50												2	3	25	561		
15	68,300	60.1	27.4	32.7	50												0	3	20	581		
16	75,300	60.6	29.4	31.2	50												0	3	3	584		
17	77,600	60.8	31.1	29.7	50												0	3	1	585		
18	71,300																0	3	1	586		
19	72,500																0	3	4	590		
20	72,900	60.4	30.2	30.2	48												0	3	4	594		
21	62,500	60.2	29.2	31.0	48												0	3	3	597		
22	61,500	59.9	28.2	31.7	48												0	3	9	606		
23	58,300	59.5	27.3	32.2	48												2	5	6	612		
24	56,300	59.4	26.7	32.7	48	2.2											0	5	7	619		
25	66,800																1	6	3	622		
26	66,900	60.0	28.7	31.3	48												0	6	5	627		
27	65,300																0	6	0	627		
28	68,100																0	6	0	627		
29	68,100	60.0	28.6	31.4	48												0	6	1	628		
30	66,800	59.9	28.5	31.4	48												1	7	1	629		
31	70,300	59.9	28.4	31.5	48	<1.0											0	7	2	631		

WILLAMETTE FALLS FISHWAY COUNTS

Month April Year 2017

Date	Hydrological Data						Spring Chinook						Coho				Steelhead				Other		
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter				
	Flow	HW	TW	Diff	Temp	Vis	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.			
1	63,400																	7	631				
2	53,800																	0	7	4	635		
3	46,800	58.8	25.2	33.6	49	1.8												0	7	0	635		
4	41,600	58.3	23.8	34.5	49	3.3												1	8	5	640		
5	37,100	58.0	22.2	35.8	50	3.5												1	9	2	642		
6	32,800	57.6	21.1	36.5	50	3.5		0										0	9	3	645		
7	30,800						0	0										1	10	6	651		
8	29,600						1	1										3	13	6	657		
9	29,200						1	2										2	15	6	663		
10	27,800	57.3	19.6	37.7	50	3.5	0	2										0	15	1	664		
11	27,000	57.3	19.6	37.7	50	3.5	0	2										1	16	2	666		
12	26,600	57.3	19.1	38.2	50	3.3	0	2										1	17	2	668		
13	26,600	57.3	19.1	38.2	50	3.3	0	2										2	19	1	669		
14	28,700	57.6	19.8	37.8	49	3.3	0	2										0	19	2	671		
15	28,600	57.8	20.5	37.3	49	3.3	0	2										0	19	2	673		
16	28,000						0	2										0	19	1	674		
17	26,300						0	2										1	20	1	675		
18	24,700	57.3	19.2	38.1	50	3.6	1	3										2	22	2	677		
19	26,000	57.4	18.8	38.6	50	3.6	2	5										0	22	4	681		
20	30,100						1	6										1	23	2	683		
21	29,600						0	6										0	23	1	684		
22	30,200						2	8										3	26	0	684		
23	29,300						0	8										1	27	3	687		
24	27,400						2	10										1	28	1	688		
25	26,800	57.4	19.5	37.9	52	3.8	2	12										1	29	0	688		
26	34,500	57.7	19.6	38.1	52	4.0	4	16										1	30	4	692		
27	44,300	58.2	22.2	36.0	51	3.5	0	16										0	30	2	694		
28	57,800	58.9	24.0	34.9	51	3.3	0	16										0	30	2	696		
29	67,000	59.5	25.9	33.6	49	2.2	0	16										1	31	5	701		
30	64,400						1	17										5	36	5	706		
31	52,500						0	17										6	42	12	718		

Cumulative Adult Spring Chinook Mark Rate: 82.4%

WILLAMETTE FALLS FISHWAY COUNTS

Month May Year 2017

Date	Hydrological Data						Spring Chinook						Coho				Steelhead				Other	
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter			
	Flow	HW	TW	Diff	Temp	Vis	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
								17										42		718		
1	45,500	58.1	22.8	35.3	51	3.0	4	21									1	43	1	719		
2	41,100	57.8	21.5	36.3	51	3.2	7	28		0							3	46	0	719		
3	37,100	57.4	20.4	37.0	51	4.0	23	51	1	1							4	50	2	721		
4	33,600	57.3	19.6	37.7	53	4.2	315	366	3	4							9	59	15	736		
5	34,300	57.4	18.8	38.6	56	4.8	1,570	1,936	66	70							43	102	11	747		
6	36,700						728	2,664	48	118							16	118	8	755		
7	32,700						115	2,779	3	121							17	135	2	757		
8	28,700	57.2	18.7	38.5	54	5.3	87	2,866	3	124							12	147	2	759		
9	27,300	56.9	18.3	38.6	54	5.5	122	2,988	8	132							10	157	3	762		
10	24,700	56.7	18.1	38.6	56	5.6	180	3,168	10	142		0					8	165	1	763		
11	23,700	56.5	17.6	38.9	58	5.6	488	3,656	25	167	1	1					33	198	6	769		
12	24,100	56.5	17.6	38.9	58	5.6	302	3,958	20	187	2	3					13	211	1	770		
13	25,000						114	4,072	15	202	0	3					14	225	2	772		
14	26,900						57	4,129	5	207	0	3					11	236	1	773		
15	30,400	57.0	18.2	38.8	53	5.3	13	4,142	1	208	2	5					1	237	0	773		
16	29,600	57.1	18.6	38.5	53	5.3	14	4,156	0	208	0	5					5	242	1	774		
17	37,500	57.5	18.9	38.6	51	5.3	18	4,174	0	208	0	5					8	250	0	774		
18	43,200	57.6	20.8	36.8	53	5.5	15	4,189	1	209	0	5					6	256	3	777		
19	41,200	57.5	21.2	36.3	53	3.8	8	4,197	0	209	0	5					11	267	3	780		
20	36,900						49	4,246	1	210	0	5					9	276	0	780		
21	33,300	57.4	19.6	37.8	57	4.8	922	5,168	50	260	1	6					27	303	6	786		
22	29,700	57.2	18.5	38.7	58	5.2	3,272	8,440	120	380	11	17					59	362	7	793		
23	27,700	57.0	17.8	39.2	58	5.3	1,547	9,987	98	478	8	25					54	416	10	803		
24	26,900	56.8	17.4	39.4	60	5.8	2,162	12,149	112	590	2	27					73	489	5	808		
25	27,500						987	13,136	5	595	2	29					46	535	2	810		
26	25,900	56.6			60	6.2	1,020	14,156	58	653	8	37					46	581	2	812		
27	24,100	56.4			60	6.2	1,030	15,186	86	739	10	47					64	645	7	819		
28	22,000						728	15,914	77	816	14	61					28	673	0	819		
29	21,200						517	16,431	54	870	14	75					26	699	3	822		
30	21,500	56.0	16.1	39.9	65	6.6	793	17,224	83	953	13	88					36	735	0	822		
31	21,700	56.0	16.3	39.7	65	6.8	259	17,483	39	992	9	97					12	747	0	822		

Cumulative Adult Spring Chinook Mark Rate: 82.8%

WILLAMETTE FALLS FISHWAY COUNTS

Month June Year 2017

Date	Hydrological Data						Spring Chinook						Coho				Steelhead				Other	
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter			
	Flow	HW	TW	Diff	Temp	Vis	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
								17,483		992		97						747				
1	20,100	55.9	16.4	39.5	60	7.5	840	18,323	75	1,067	20	117					61	808				
2	17,600	55.6	16.2	39.4	60	7.5	460	18,783	47	1,114	14	131					33	841				
3	16,800						594	19,377	49	1,163	23	154					36	877				
4	17,600						569	19,946	69	1,232	27	181					27	904				
5	17,100	55.4	15.5	39.9	62	7.8	234	20,180	41	1,273	9	190					22	926				
6	16,100	54.9	15.9	39.0	64	7.8	316	20,496	45	1,318	17	207					37	963				
7	16,000	54.9	15.2	39.7	64	8.0	424	20,920	57	1,375	22	229					54	1,017				
8	15,700	55.0	15.0	40.0	64	7.0	373	21,293	46	1,421	19	248					38	1,055				
9	15,900	55.0	15.1	39.9	64	7.0	321	21,614	55	1,476	17	265					25	1,080				
10	17,300						131	21,745	15	1,491	3	268					10	1,090				
11	17,200						62	21,807	10	1,501	1	269					11	1,101				
12	17,300	54.9	15.6	39.3	60	6.8	198	22,005	11	1,512	3	272					14	1,115				
13	16,700	54.9	15.0	39.9	60	6.8	326	22,331	14	1,526	4	276					35	1,150				
14	16,400	54.9	14.2	40.7	58	7.0	362	22,693	23	1,549	5	281					26	1,176				
15	16,000	54.9	14.2	40.7	58	7.0	434	23,127	35	1,584	16	297					36	1,212				
16	15,800	54.9	14.3	40.6	58	6.8	518	23,645	40	1,624	11	308					40	1,252				
17	16,200						478	24,123	23	1,647	3	311					43	1,295				
18	16,200						521	24,644	20	1,667	6	317					38	1,333				
19	15,500	54.9	14.0	40.9	60	6.5	631	25,275	41	1,708	13	330					48	1,381				
20	14,300	54.9	13.5	41.4	62	6.5	654	25,929	42	1,750	7	337					35	1,416				
21	14,300	54.8	13.0	41.8	66	7.2	718	26,647	50	1,800	7	344					20	1,436				
22	13,500	54.8	12.9	41.9	68	7.4	317	26,964	26	1,826	5	349					14	1,450				
23	12,700	54.6	12.6	42.0	69	7.6	417	27,381	42	1,868	9	358					31	1,481				
24	12,100						502	27,883	39	1,907	1	359					24	1,505				
25	11,600						671	28,554	16	1,923	42	401					33	1,538				
26	11,000	54.7	12.0	42.7	70	6.8	533	29,087	28	1,951	61	462					22	1,560				
27	10,600	55.4	12.4	43.0	71	6.8	419	29,506	14	1,965	64	526					28	1,588				
28	10,400	54.6	12.6	42.0	72	6.8	183	29,689	16	1,981	1	527					15	1,603				
29	10,500	54.8	12.7	42.1	72	7.0	235	29,924	11	1,992	0	527					13	1,616				
30	10,400	54.1	12.6	41.5	72	7.0	322	30,246	39	2,031	12	539					17	1,633				
31																						

Cumulative Adult Spring Chinook Mark Rate: 83.5%

WILLAMETTE FALLS FISHWAY COUNTS

Month July Year 2017

Date	Hydrological Data						Spring Chinook						Coho				Steelhead				Other	
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter		Daily	Cum.
	Flow	HW	TW	Diff	Temp	Vis	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.				
								30,246		2,031		539						1,633				
1	10,200						293	30,539	44	2,075	42	581					19	1,652				
2	10,100						204	30,743	21	2,096	41	622					26	1,678				
3	10,000	54.2	12.3	41.9	70	7.0	276	31,019	12	2,108	65	687					37	1,715				
4	9,580						232	31,251	29	2,137	48	735					19	1,734				
5	9,510	54.1	11.9	42.2	71	7.2	155	31,406	22	2,159	19	754					13	1,747				
6	9,450	54.0	11.6	42.4	72	7.2	174	31,580	27	2,186	20	774					7	1,754				
7	9,250	53.9	11.5	42.4	72	7.5	404	31,984	8	2,194	62	836					29	1,783				
8	9,220						205	32,189	3	2,197	72	908					31	1,814				
9	9,050						297	32,486	6	2,203	42	950					41	1,855				
10	9,090	53.2	12.0	41.2	73	7.0	152	32,638	41	2,244	35	985					19	1,874				
11	8,960	53.3	11.8	41.5	73	7.0	67	32,705	12	2,256	13	998					6	1,880				
12	8,790	53.7	11.8	41.9	74	7.5	55	32,760	2	2,258	26	1,024					9	1,889				
13	8,670	53.7	11.8	41.9	74	7.7	246	33,006	2	2,260	45	1,069					9	1,898				
14	8,860	55.2	10.1	45.1	74	7.7	126	33,132	25	2,285	26	1,095					11	1,909				
15	8,470						92	33,224	10	2,295	16	1,111					11	1,920				
16	7,820						45	33,269	9	2,304	15	1,126					0	1,920				
17	7,630	56.0	10.6	45.4	74	7.2	122	33,391	13	2,317	22	1,148					10	1,930				
18	7,360	56.0	14.0	42.0	74	7.3	130	33,521	15	2,332	29	1,177					8	1,938				
19	7,150	55.9	13.8	42.1	75	7.6	110	33,631	12	2,344	24	1,201					14	1,952				
20	6,910	55.9	13.4	42.5	75	7.6	60	33,691	10	2,354	9	1,210					5	1,957				
21	6,850	56.0	13.3	42.7	74	7.6	104	33,795	5	2,359	25	1,235					11	1,968				
22	6,760						94	33,889	14	2,373	21	1,256					11	1,979				
23	6,730						40	33,929	9	2,382	24	1,280					4	1,983				
24	6,700	56.1	13.2	42.9	74	6.0	56	33,985	13	2,395	9	1,289					2	1,985				
25	6,560	56.1	13.2	42.9	74	6.0	56	34,041	14	2,409	22	1,311					8	1,993				
26	6,470	56.1	13.0	43.1	76	6.7	30	34,071	8	2,417	14	1,325					1	1,994				
27	6,410	56.2	13.2	43.0	76	6.8	8	34,079	1	2,418	7	1,332					0	1,994				
28	6,350	56.2	13.3	42.9	76	6.8	6	34,085	2	2,420	3	1,335					0	1,994				
29	6,410						10	34,095	0	2,420	1	1,336					0	1,994				
30	6,300						6	34,101	3	2,423	2	1,338					0	1,994				
31	6,330	56.2	13.4	42.8	78	7.2	2	34,103	3	2,426	3	1,341					0	1,994				

Cumulative Adult Spring Chinook Mark Rate: 82.8%

WILLAMETTE FALLS FISHWAY COUNTS

Month August Year 2017

Date	Hydrological Data						Spr./Fall Chinook						Coho				Steelhead				Other	
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter		Daily	Cum.
	Flow	HW	TW	Diff	Temp	Vis	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
								34,103		2,426		1,341						1,994				
1	6,180	56.2	13.2	43.0	78	7.3	2	34,105	0	2,426	3	1,344					0	1,994				
2	6,700	56.1	13.2	42.9	78	7.5	11	34,116	2	2,428	1	1,345					1	1,995				
3	7,880	56.3	13.6	42.7	78	7.5	0	34,116	1	2,429	4	1,349					0	1,995				
4	8,990	56.4	14.1	42.3	78	7.8	1	34,117	0	2,429	0	1,349					0	1,995				
5	9,120						0	34,117	0	2,429	0	1,349					0	1,995				
6	9,250						0	34,117	0	2,429	0	1,349					0	1,995				
7	9,510	56.5	14.4	42.1	78	7.2	0	34,117	0	2,429	0	1,349					0	1,995				
8	9,480	56.7	14.5	42.2	78	7.2	3	34,120	2	2,431	0	1,349					0	1,995				
9	9,350	56.7	14.4	42.3	77	7.2	12	34,132	3	2,434	3	1,352					2	1,997				
10	9,250	56.7	14.4	42.3	77	7.2	12	34,144	4	2,438	0	1,352					2	1,999				
11	9,350	56.7	14.4	42.3	77	7.2	6	34,150	1	2,439	1	1,353					0	1,999				
12	9,250						3	34,153	2	2,441	1	1,354					-1	1,998				
13	9,410						18	34,171	0	2,441	1	1,355					0	1,998				
14	9,450	56.3	14.5	41.8	72	7.3	5	34,176	0	2,441	0	1,355					0	1,998				
15	9,510	55.8	14.4	41.4	72	7.3	10	34,186	1	2,442	3	1,358					2	2,000				
16	9,480	55.5	14.4	41.1	71	7.5	45	45	7	7	4	1,362					0	2,000				
17	9,250	55.5	14.4	41.1	71	7.5	44	89	6	13	2	1,364					6	2,006				
18	8,700	55.4	14.3	41.1	70	7.8	77	166	10	23	8	1,372					3	2,009				
19	8,630						8	174	3	26	1	1,373					5	2,014				
20	8,470						24	198	5	31	5	1,378					4	2,018				
21	8,570						7	205	1	32	0	1,378		0		0	2	2,020				
22	8,700	55.3	14.2	41.1	70	7.8	18	223	2	34	0	1,378	1	1	1	1	2	2,022				
23	8,790	55.4	14.3	41.1	70	7.8	12	235	4	38	0	1,378	0	1	0	1	1	2,023				
24	8,790	55.3	14.2	41.1	70	8.0	19	254	1	39	1	1,379	1	2	2	3	2	2,025				
25	8,860	55.3	14.3	41.0	70	8.8	3	257	0	39	0	1,379	0	2	0	3	1	2,026				
26	8,760						18	275	3	42	0	1,379	2	4	2	5	7	2,033				
27	8,600						5	280	1	43	0	1,379	0	4	1	6	1	2,034				
28	8,630	55.3	14.3	41.0	70	8.3	16	296	1	44	0	1,379	2	6	0	6	3	2,037				
29	8,630	55.3	14.2	41.1	71	8.3	21	317	3	47	2	1,381	3	9	5	11	2	2,039				
30	9,220	55.3	14.2	41.1	71	8.3	11	328	0	47	1	1,382	0	9	1	12	3	2,042				
31	9,020	55.3	14.3	41.0	71	8.5	16	344	0	47	0	1,382	3	12	3	15	4	2,046				

WILLAMETTE FALLS FISHWAY COUNTS

Month October Year 2017

Date	Hydrological Data						Fall Chinook						Coho				Steelhead				Other	
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter			
	Flow	HW	TW	Diff	Temp	Vis	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.		
								1,240		216		1,552		394		635		2,124				
1	9,650						37	1,277	6	222	1	1,553	15	409	28	663	0	2,124				
2	10,200	55.6	14.6	41.0	63	8.0	28	1,305	5	227	8	1,561	25	434	29	692	1	2,125				
3	10,600	55.8	14.6	41.2	63	8.0	30	1,335	6	233	5	1,566	25	459	56	748	0	2,125				
4	11,100	55.9	14.8	41.1	60	8.8	104	1,439	26	259	9	1,575	65	524	146	894	1	2,126				
5	11,000	55.8	14.8	41.0	60	8.8	62	1,501	13	272	6	1,581	55	579	126	1,020	2	2,128				
6	11,000	55.8	14.9	40.9	59	9.0	98	1,599	25	297	12	1,593	73	652	228	1,248	2	2,130				
7	11,000						37	1,636	9	306	1	1,594	24	676	37	1,285	1	2,131				
8	11,000						42	1,678	11	317	5	1,599	34	710	61	1,346	1	2,132				
9	11,000	55.9	15.0	40.9	58	8.5	12	1,690	4	321	1	1,600	11	721	21	1,367	2	2,134				
10	10,900	55.8	14.9	40.9	56	8.4	70	1,760	16	337	9	1,609	33	754	53	1,420	2	2,136				
11	11,100	55.7	15.0	40.7	56	8.2	37	1,797	2	339	5	1,614	14	768	19	1,439	0	2,136				
12	12,300	55.7	15.1	40.6	56	8.0	71	1,868	14	353	4	1,618	37	805	40	1,479	0	2,136				
13	15,000	56.1	15.3	40.8	55	7.7	177	2,045	20	373	1	1,619	72	877	64	1,543	2	2,138				
14	17,100						198	2,243	55	428	0	1,619	95	972	98	1,641	3	2,141				
15	16,600						45	2,288	10	438	0	1,619	39	1,011	56	1,697	0	2,141				
16	15,300						22	2,310	0	438	2	1,621	24	1,035	20	1,717	2	2,143				
17	14,200	56.7	15.7	41.0	52	6.4	5	2,315	3	441	0	1,621	3	1,038	10	1,727	1	2,144				
18	14,100	56.5	15.7	40.8	52	6.4	19	2,334	1	442	0	1,621	12	1,050	10	1,737	0	2,144				
19	13,800	56.7	15.6	41.1	53	5.6	27	2,361	3	445	0	1,621	16	1,066	23	1,760	2	2,146				
20	15,000	56.7	15.5	41.2	53	5.6																
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