

WILLAMETTE FALLS FISHWAY COUNTS

Month January Year 2016

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.		
																				139		
1	41,000																			9	148	
2	38,000																			5	153	
3	35,800																			1	154	
4	33,800	57.1	19.4	37.7	38	2.2														0	154	
5	32,500	57.2	19.1	38.1	38	2.2														4	158	
6	31,400																			10	168	
7	29,600	57.2	18.0	39.2	39	2.5														8	176	
8	26,700	57.0	17.5	39.5	40	2.8														15	191	
9	24,100																			22	213	
10	23,100																			27	240	
11	21,500	56.2	15.8	40.4	41	3.2														14	254	
12	21,200	56.2	15.7	40.5	41	3.2														29	283	
13	27,900																			45	328	
14	36,200	58.0	21.2	36.8	43	<1.0														11	339	
15	41,600	58.4	23.0	35.4	44	<1.0														26	365	
16	43,000																			42	407	
17	48,000																			37	444	
18	62,300																			31	475	
19	71,100	59.8	27.8	32.0	45	<1.0														18	493	
20	79,000	60.5	28.8	31.7	45	<1.0														27	520	
21	81,100	60.6	30.7	29.9	45	<1.0														18	538	
22	78,500	60.7	30.9	29.8	46															33	571	
23	73,300																			53	624	
24	68,000																			117	741	
25	63,400																			127	868	
26	57,500	59.3	25.7	33.6	47	<1.0														69	937	
27	53,400	58.8	24.6	34.2	48	1.0														86	1,023	
28	49,900	58.5	23.5	35.0	48	1.0														104	1,127	
29	55,500	58.7	24.0	34.7	48	1.0														82	1,209	
30	61,000																			28	1,237	
31	65,300																			11	1,248	

WILLAMETTE FALLS FISHWAY COUNTS

Month February Year 2016

Date	Hydrological Data						Spring Chinook						Coho				Steelhead				Other	
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter		Daily	Cum.
	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.								
1	63,400	59.4	26.1	33.3	45	1.0														1,248		
2	54,900	59.0	25.0	34.0	45	1.6													4	1,252		
3	47,000	58.5	23.5	35.0	44	1.8													28	1,280		
4	39,200																		25	1,305		
5	38,900	57.8	21.2	36.6	44	2.0													38	1,343		
6	36,900																		58	1,401		
7	34,500																		43	1,444		
8	31,900	57.3	19.6	37.7	45	2.0													62	1,506		
9	30,200	57.3	19.2	38.1	45	2.8													85	1,591		
10	27,800	57.3	18.3	39.0	45	2.8													73	1,664		
11	25,200																		50	1,714		
12	23,800	56.8	16.9	39.9	45	3.0		0											58	1,772		
13	23,800						1	1											49	1,821		
14	24,200						0	1											54	1,875		
15	24,200						0	1											59	1,934		
16	36,100						0	1											89	2,023		
17	39,000	57.6	20.5	37.1	48	3.0	0	1											95	2,118		
18	33,000	57.3	19.9	37.4	48	2.2	0	1											143	2,261		
19	31,500	57.3	19.1	38.2	48	2.2	0	1											136	2,397		
20	38,300	57.4	19.9	37.5	48	1.8	0	1											87	2,484		
21	43,800						0	1											55	2,539		
22	42,200						0	1											32	2,571		
23	37,400	57.6	21.0	36.6	46	1.8	0	1											35	2,606		
24	33,100						0	1											44	2,650		
25	27,600	57.2	18.9	38.3	46	2.8	0	1											38	2,688		
26	24,400	57.0	17.3	39.7	47	3.0	0	1											21	2,709		
27	22,500	56.7	16.6	40.1	47	3.0	0	1											50	2,759		
28	22,100						0	1											49	2,808		
29	24,300						0	1											56	2,864		
30	23,600	56.7	16.6	40.1	48	3.8	1	2											54	2,918		
31																						

WILLAMETTE FALLS FISHWAY COUNTS

Month March Year 2016

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.		
								2								0	2,918					
1	22,800	57.0	16.8	40.2	48	3.8	1	3							0	0	29	2,947				
2	23,800	56.8	16.9	39.9	48	3.6	0	3							2	2	41	2,988				
3	25,100	57.0	17.2	39.8	48	3.0	0	3							4	6	61	3,049				
4	26,200	57.2	17.6	39.6	48	3.0	1	4							6	12	47	3,096				
5	28,200						0	4							7	19	65	3,161				
6	31,800						0	4							8	27	45	3,206				
7	36,200	57.3	19.3	38.0	49	3.2	0	4							5	32	47	3,253				
8	36,700	57.5	20.5	37.0	49	3.2	0	4							9	41	38	3,291				
9	34,500	57.4	20.4	37.0	49	3.2	0	4							2	43	49	3,340				
10	38,000						0	4							5	48	40	3,380				
11	41,200						0	4							3	51	61	3,441				
12	36,200						0	4							7	58	67	3,508				
13	37,400						0	4							6	64	63	3,571				
14	49,500	58.9	23.5	35.4	48	1.0	0	4							2	66	39	3,610				
15	60,600	59.7	25.9	33.8	48	<1.0	0	4							2	68	14	3,624				
16	65,500	59.9	27.3	32.6	47	<1.0	0	4							2	70	19	3,643				
17	61,000	59.9	27.5	32.4	47	<1.0	0	4							5	75	26	3,669				
18	53,500	59.4	25.8	33.6	47	<1.0	0	4							12	87	76	3,745				
19	51,400						0	4							18	105	58	3,803				
20	50,300						0	4							7	112	77	3,880				
21	49,400	58.8	23.5	35.3	50	<1.0	1	5							21	133	85	3,965				
22	52,400	58.9	23.6	35.3	50	1.0	0	5							12	145	46	4,011				
23	52,500	58.8	23.8	35.0	50	2.0	1	6							3	148	24	4,035				
24	50,500	58.7	23.5	35.2	50	2.2	0	6							5	153	20	4,055				
25	46,700	58.5	22.7	35.8	50	2.2	0	6							11	164	40	4,095				
26	41,800						0	6							16	180	62	4,157				
27	38,600						7	13							9	189	39	4,196				
28	36,100	57.6	19.7	37.9	49	3.4	6	19							10	199	31	4,227				
29	33,400	57.6	19.3	38.3	49	3.6	9	28							9	208	31	4,258				
30	30,500	57.6	18.5	39.1	50	3.8	3	31							4	212	32	4,290				
31	28,300	57.4	17.5	39.9	50	4.0	6	37							22	234	16	4,306				

Cumulative Adult Spring Chinook Mark Rate:

86.5%

WILLAMETTE FALLS FISHWAY COUNTS

Month April Year 2016

Date	Hydrological Data						Spring Chinook						Coho				Steelhead				Other	
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter		Daily	Cum.
	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.								
								37		0		0						234		4,306		
1	25,700	57.2	16.9	40.3	50	4.3	22	59									7	241	17	4,323		
2	22,400						34	93									32	273	39	4,362		
3	20,800						43	136									29	302	69	4,431		
4	19,800	56.4	15.3	41.1	55	5.0	89	225									51	353	104	4,535		
5	20,000	56.3	15.1	41.2	55	5.2	46	271									18	371	48	4,583		
6	31,600	56.3	15.0	41.3	55	5.4	27	298									29	400	35	4,618		
7	19,000	56.1	14.6	41.5	57	5.6	26	324									11	411	29	4,647		
8	18,600						61	385									42	453	42	4,689		
9	17,500						93	478									42	495	43	4,732		
10	17,900						200	678									27	522	38	4,770		
11	18,000	55.9	14.2	41.7	58	6.2	243	921									34	556	29	4,799		
12	18,200	55.9	14.0	41.9	58	6.2	152	1,073									21	577	16	4,815		
13	17,500						95	1,168									23	600	12	4,827		
14	17,800						46	1,214									25	625	14	4,841		
15	19,600						17	1,231									15	640	10	4,851		
16	22,500						11	1,242	0	0							19	659	4	4,855		
17	19,900						20	1,262	1	1							20	679	14	4,869		
18	18,400	56.1	14.8	41.3	55	4.8	81	1,343	0	1							49	728	28	4,897		
19	17,200	55.8	14.3	41.5	58	4.8	206	1,549	3	4							38	766	29	4,926		
20	16,900	55.6	14.1	41.5	59	5.8	623	2,172	9	13							74	840	57	4,983		
21	16,400	55.3	14.6	40.7	61	6.0	430	2,602	11	24							44	884	45	5,028		
22	16,800	55.4	14.2	41.2	61	6.0	750	3,352	8	32							113	997	64	5,092		
23	16,800						337	3,689	6	38							64	1,061	33	5,125		
24	17,100						230	3,919	6	44							38	1,099	11	5,136		
25	18,500	56.0	14.6	41.4	59	5.8	108	4,027	3	47							71	1,170	16	5,152		
26	19,400	56.3	15.0	41.3	59	5.8	47	4,074	1	48							33	1,203	12	5,164		
27	18,900	56.0	14.8	41.2	57	5.2	23	4,097	1	49							39	1,242	9	5,173		
28	17,700	55.8	14.3	41.5	57	5.2	31	4,128	0	49							52	1,294	15	5,188		
29	16,800	55.7	14.0	41.7	55	5.5	31	4,159	1	50							55	1,349	3	5,191		
30	16,000	55.5	13.8	41.7	55	5.6	51	4,210	1	51							60	1,409	10	5,201		
31																						

Cumulative Adult Spring Chinook Mark Rate:

75.6%

WILLAMETTE FALLS FISHWAY COUNTS

Month May Year 2016

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.		
								4,210		51							1,409		5,201			
1	15,700						127	4,337	2	53		0					86	1,495	3	5,204		
2	15,900	55.6	13.6	42.0	58	6.0	932	5,269	24	77	1	1					285	1,780	33	5,237		
3	16,200	55.7	13.6	42.1	59	6.0	648	5,917	22	99	0	1					234	2,014	31	5,268		
4	15,500	55.8	13.8	42.0	61	6.7	743	6,660	34	133	0	1					235	2,249	39	5,307		
5	15,300	55.7	13.6	42.1	61	6.8	443	7,103	24	157	2	3					134	2,383	24	5,331		
6	15,100	55.3	13.2	42.1	61	6.8	337	7,440	6	163	0	3					114	2,497	19	5,350		
7	15,300	55.1	13.2	41.9	60	7.2	421	7,861	17	180	0	3					194	2,691	13	5,363		
8	15,800						657	8,518	23	203	2	5					149	2,840	17	5,380		
9	15,700	55.3	13.4	41.9	61	6.7	403	8,921	27	230	0	5					62	2,902	6	5,386		
10	15,600	55.3	14.1	41.2	62	6.8	534	9,455	25	255	0	5					80	2,982	15	5,401		
11	15,500	54.9	13.9	41.0	62	7.2	458	9,913	31	286	1	6					109	3,091	11	5,412		
12	15,100	55.4	13.4	42.0	62	7.2	537	10,450	25	311	1	7					159	3,250	15	5,427		
13	15,200	55.1	12.8	42.3	63	7.4	671	11,121	28	339	1	8					277	3,527	21	5,448		
14	15,000	55.2	12.7	42.5	64	7.4	525	11,646	32	371	0	8					386	3,913	18	5,466		
15	15,100						346	11,992	23	394	1	9					197	4,110	20	5,486		
16	15,400	55.4	12.9	42.5	62	7.4	235	12,227	14	408	0	9					257	4,367	19	5,505		
17	15,200	55.4	13.0	42.4	62	7.4	258	12,485	23	431	4	13					286	4,653	17	5,522		
18	14,700	55.3	12.8	42.5	59	7.3	157	12,642	10	441	3	16					289	4,942	23	5,545		
19	14,100	55.1	12.5	42.6	59	7.3	404	13,046	21	462	0	16					299	5,241	13	5,558		
20	14,300	55.0	12.4	42.6	60	7.0	378	13,424	28	490	6	22					328	5,569	30	5,588		
21	14,700						366	13,790	28	518	6	28					345	5,914	21	5,609		
22	14,400						348	14,138	44	562	5	33					352	6,266	32	5,641		
23	14,500	55.0	12.6	42.4	59	7.5	216	14,354	21	583	1	34					264	6,530	28	5,669		
24	14,800	55.1	12.7	42.4	59	7.5	253	14,607	31	614	2	36					254	6,784	23	5,692		
25	14,500	55.2	13.0	42.2	59	7.3	255	14,862	31	645	3	39					203	6,987	15	5,707		
26	13,800	55.0	12.5	42.5	59	7.3	398	15,260	29	674	0	39					330	7,317	11	5,718		
27	13,500	55.0	12.2	42.8	58	7.3	392	15,652	39	713	1	40					301	7,618	7	5,725		
28	12,900						372	16,024	46	759	6	46					211	7,829	14	5,739		
29	12,600						256	16,280	37	796	7	53					290	8,119	12	5,751		
30	12,400						256	16,536	44	840	8	61					251	8,370	18	5,769		
31	12,200						304	16,840	43	883	12	73					215	8,585	9	5,778		

Cumulative Adult Spring Chinook Mark Rate:

78.5%

WILLAMETTE FALLS FISHWAY COUNTS

Month June Year 2016

Date	Hydrological Data						Spring Chinook						Coho				Steelhead				Other	
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter		Daily	Cum.
	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.								
								16,840		883		73						8,585				
1	12,200	54.8	11.8	43.0	62	7.4	348	17,188	28	911	3	76					314	8,899				
2	12,100	54.9	11.8	43.1	63	7.5	313	17,501	26	937	0	76					334	9,233				
3	12,000	54.4	11.7	42.7	66	8.0	341	17,842	39	976	6	82					300	9,533				
4	11,700						284	18,126	41	1,017	3	85					240	9,773				
5	12,100						230	18,356	62	1,079	8	93					207	9,980				
6	12,200	54.3	13.4	40.9	70	7.0	284	18,640	6	1,085	2	95					306	10,286				
7	12,100	54.2	13.3	40.9	72	7.2	293	18,933	17	1,102	4	99					287	10,573				
8	11,900	54.2	13.2	41.0	74	7.4	83	19,016	4	1,106	3	102					88	10,661				
9	11,700	54.3	13.1	41.2	74	7.9	82	19,098	12	1,118	3	105					63	10,724				
10	11,600	54.2	13.0	41.2	74	8.0	136	19,234	16	1,134	9	114					124	10,848				
11	10,800						128	19,362	21	1,155	12	126					182	11,030				
12	10,600						285	19,647	36	1,191	9	135					312	11,342				
13	10,400	54.0	12.8	41.2	66	7.6	160	19,807	25	1,216	9	144					185	11,527				
14	9,980	54.0	12.7	41.3	64	7.6	269	20,076	36	1,252	44	188					332	11,859				
15	9,880	53.9	12.7	41.2	65	7.8	437	20,513	49	1,301	63	251					459	12,318				
16	9,980	54.5	12.8	41.7	65	7.8	488	21,001	55	1,356	74	325					352	12,670				
17	10,000	54.2	12.8	41.4	65	8.0	495	21,496	52	1,408	90	415					385	13,055				
18	9,510						421	21,917	74	1,482	84	499					289	13,344				
19	9,410						351	22,268	19	1,501	106	605					348	13,692				
20	9,410	53.9	12.6	41.3	66	7.2	513	22,781	14	1,515	111	716					547	14,239				
21	9,090	53.9	12.6	41.3	67	7.3	539	23,320	18	1,533	182	898					483	14,722				
22	8,570						505	23,825	15	1,548	207	1,105					493	15,215				
23	8,570	53.7	12.2	41.5	68	8.3	518	24,343	23	1,571	149	1,254					407	15,622				
24	8,510	56.3	7.6	48.7	68	8.8	436	24,779	38	1,609	163	1,417					327	15,949				
25	8,790	56.2	11.8	44.4	68	8.8	372	25,151	39	1,648	126	1,543					307	16,256				
26	8,540						275	25,426	38	1,686	108	1,651					252	16,508				
27	8,160	56.2	11.6	44.6	69	8.8	347	25,773	27	1,713	131	1,782					250	16,758				
28	7,850	56.3	14.0	42.3	70	9.0	369	26,142	37	1,750	143	1,925					228	16,986				
29	7,850	56.3	14.0	42.3	70	9.0	121	26,263	10	1,760	51	1,976					115	17,101				
30	8,130	56.4	10.9	45.5	71	9.0	240	26,503	34	1,794	106	2,082					191	17,292				
31																						

Cumulative Adult Spring Chinook Mark Rate:

78.6%

WILLAMETTE FALLS FISHWAY COUNTS

Month July Year 2016

Date	Hydrological Data						Spring Chinook						Coho				Steelhead				Other	
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter		Daily	Cum.
	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.								
								26,503		1,794		2,082						17,292				
1	8,100	56.4	11.6	44.8	72	8.8	231	26,734	27	1,821	136	2,218					169	17,461				
2	7,780						306	27,040	31	1,852	104	2,322					151	17,612				
3	7,510						244	27,284	10	1,862	82	2,404					169	17,781				
4	7,420						192	27,476	5	1,867	65	2,469					128	17,909				
5	7,360	56.4	10.8	45.6	72	7.5	138	27,614	3	1,870	47	2,516					111	18,020				
6	7,270	56.4	11.5	44.9	72	7.6	115	27,729	13	1,883	34	2,550					140	18,160				
7	7,210	56.3	11.6	44.7	73	7.8	151	27,880	11	1,894	65	2,615					143	18,303				
8	7,240	56.4	10.4	46.0	72	7.5	90	27,970	7	1,901	50	2,665					147	18,450				
9	7,540						137	28,107	12	1,913	30	2,695					219	18,669				
10	7,880						83	28,190	16	1,929	47	2,742					144	18,813				
11	8,100	56.3	10.8	45.5	70	7.6	207	28,397	26	1,955	64	2,806					148	18,961				
12	8,190	56.2	12.1	44.1	70	7.6	167	28,564	17	1,972	50	2,856					109	19,070				
13	7,910	56.3	11.9	44.4	70	7.6	112	28,676	10	1,982	41	2,897					120	19,190				
14	7,270	56.2	10.8	45.4	70	7.0	163	28,839	10	1,992	59	2,956					156	19,346				
15	6,670						276	29,115	25	2,017	97	3,053					257	19,603				
16	6,350						178	29,293	11	2,028	88	3,141					160	19,763				
17	6,440						133	29,426	16	2,044	51	3,192					158	19,921				
18	6,560	56.4	8.9	47.5	71	8.2	123	29,549	16	2,060	56	3,248					143	20,064				
19	6,560	56.4	10.0	46.4	71	8.2	113	29,662	22	2,082	56	3,304					128	20,192				
20	6,440	56.2	10.6	45.6	71	8.3	66	29,728	9	2,091	50	3,354					114	20,306				
21	6,410	56.5	10.1	46.4	72	8.7	108	29,836	6	2,097	68	3,422					109	20,415				
22	6,330	56.4	9.4	47.0	72	8.7	50	29,886	7	2,104	20	3,442					84	20,499				
23	6,330						36	29,922	1	2,105	25	3,467					54	20,553				
24	6,300						68	29,990	4	2,109	48	3,515					141	20,694				
25	6,330	56.4	9.0	47.4	73	7.8	65	30,055	3	2,112	50	3,565					96	20,790				
26	6,210	56.3	9.2	47.1	73	7.8	12	30,067	0	2,112	8	3,573					25	20,815				
27	6,330	56.2	8.9	47.3	74	7.0	11	30,078	0	2,112	15	3,588					36	20,851				
28	6,300	56.1	9.1	47.0	74	7.0	19	30,097	1	2,113	12	3,600					19	20,870				
29	6,210	56.2	7.5	48.7	78	7.2	14	30,111	1	2,114	10	3,610					19	20,889				
30	6,240						6	30,117	0	2,114	7	3,617					11	20,900				
31	6,210						0	30,117	0	2,114	3	3,620					1	20,901				

Cumulative Adult Spring Chinook Mark Rate:

78.4%

WILLAMETTE FALLS FISHWAY COUNTS

Month August

Year 2016

Date	Hydrological Data						Spr./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.		
								30,117		2,114		3,620						20,901				
1	6,270	56.4	9.7	46.7	77	7.0	0	30,117	0	2,114	6	3,626					4	20,905				
2	6,150	56.5	13.0	43.5	77	7.2	0	30,117	0	2,114	0	3,626					2	20,907				
3	6,100	55.9	13.4	42.5	77	8.0	1	30,118	0	2,114	2	3,628					2	20,909				
4	6,210	55.6	13.0	42.6	77	8.4	2	30,120	2	2,116	2	3,630					3	20,912				
5	6,210	56.0	13.2	42.8	76	9.0	9	30,129	7	2,123	9	3,639					3	20,915				
6	6,150						4	30,133	1	2,124	5	3,644					7	20,922				
7	6,150						8	30,141	2	2,126	3	3,647					14	20,936				
8	6,240	55.9	13.1	42.8	73	7.3	10	30,151	3	2,129	6	3,653					14	20,950				
9	6,240	56.0	13.0	43.0	73	7.5	22	30,173	2	2,131	10	3,663					29	20,979				
10	6,330	56.1	13.4	42.7	72	8.7	7	30,180	1	2,132	6	3,669					7	20,986				
11	6,270	55.8	13.4	42.4	72	8.9	16	30,196	4	2,136	12	3,681					29	21,015				
12	6,150	56.0	13.4	42.6	72	9.0	33	30,229	7	2,143	9	3,690					42	21,057				
13	6,000						47	30,276	7	2,150	21	3,711					47	21,104				
14	6,100						28	30,304	8	2,158	13	3,724					34	21,138				
15	6,000	55.9	13.2	42.7	72	9.0	13	30,317	3	2,161	3	3,727					9	21,147				
16	5,870	55.8	13.3	42.5	73	9.0	7	7	1	1	5	3,732					7	21,154				
17	5,840	56.0	13.1	42.9	75	9.2	5	12	1	2	6	3,738					3	21,157				
18	5,900	56.1	13.2	42.9	77	9.5	0	12	0	2	0	3,738					1	21,158				
19	5,800	56.1	12.8	43.3	78	9.7	0	12	0	2	0	3,738					0	21,158				
20	5,700						0	12	0	2	0	3,738					-1	21,157				
21	5,680						1	13	1	3	1	3,739					0	21,157				
22	5,700	56.0	12.8	43.2	78	10.0	1	14	2	5	1	3,740					0	21,157				
23	5,700	56.0	12.8	43.2	78	10.0	2	16	1	6	3	3,743					1	21,158				
24	5,650	55.9	12.5	43.4	76	10.2	3	19	2	8	5	3,748					1	21,159				
25	5,800	55.6	12.3	43.3	76	10.2	0	19	1	9	0	3,748		0			5	21,164				
26	5,700	55.6	12.5	43.1	78	10.0	2	21	1	10	4	3,752	1	1			4	21,168				
27	5,700						3	24	0	10	2	3,754	0	1			0	21,168				
28	5,700						7	31	3	13	2	3,756	0	1		0	4	21,172				
29	5,800	55.8	12.4	43.4	74	9.5	8	39	1	14	2	3,758	0	1	2	2	6	21,178				
30	5,760	55.7	12.5	43.2	74	9.5	4	43	3	17	1	3,759	0	1	0	2	1	21,179				
31	5,760	55.8	12.4	43.4	73	9.8	1	44	0	17	0	3,759	0	1	0	2	0	21,179				

Cumulative Adult Spring Chinook Mark Rate:

78.1%

* Annual maintenance shutdown

WILLAMETTE FALLS FISHWAY COUNTS

Month September Year 2016

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.		
								44		17		3,759		1		2		21,179				
1	5,800	55.8	12.4	43.4	73	9.5	8	52	5	22	1	3,760	1	2	1	3	4	21,183				
2	5,800	55.8	9.7	46.1	72	8.9	28	80	8	30	6	3,766	0	2	2	5	19	21,202				
3	5,800						20	100	5	35	0	3,766	1	3	6	11	41	21,243				
4	5,870						30	130	6	41	3	3,769	1	4	6	17	52	21,295				
5	5,800						15	145	1	42	0	3,769	0	4	3	20	8	21,303				
6	5,800	55.2	9.8	45.4	68	7.8	37	182	13	55	3	3,772	14	18	25	45	25	21,328				
7	5,800	55.0	10.1	44.9	68	8.0	32	214	5	60	0	3,772	9	27	22	67	43	21,371				
8	6,400	55.0	10.2	44.8	68	8.8	34	248	8	68	2	3,774	12	39	30	97	28	21,399				
9	6,500	55.0	9.8	45.2	68	9.0	32	280	13	81	9	3,783	9	48	61	158	31	21,430				
10	6,400						27	307	16	97	5	3,788	10	58	54	212	13	21,443				
11	6,350						38	345	19	116	16	3,804	20	78	123	335	14	21,457				
12	6,350	54.9	10.0	44.9	68	10.0	18	363	16	132	23	3,827	32	110	116	451	6	21,463				
13	6,300	53.9	10.1	43.8	68	10.0	13	376	1	133	7	3,834	20	130	56	507	10	21,473				
14	6,150	55.0	10.4	44.6	68	10.2	17	393	4	137	18	3,852	19	149	66	573	10	21,483				
15	6,200	55.0	9.9	45.1	68	10.2	8	401	1	138	6	3,858	9	158	28	601	0	21,483				
16	6,300	54.9	10.1	44.8	68	10.4	4	405	0	138	0	3,858	5	163	17	618	5	21,488				
17	6,200						3	408	2	140	0	3,858	4	167	1	619	1	21,489				
18	6,400						25	433	6	146	10	3,868	27	194	21	640	37	21,526				
19	6,600	54.9	9.8	45.1	66	8.5	37	470	6	152	8	3,876	29	223	42	682	25	21,551				
20	6,600	54.9	10.9	44.0	66	8.6	32	502	3	155	9	3,885	21	244	32	714	9	21,560				
21	6,560	54.9	10.8	44.1	64	8.6	38	540	4	159	10	3,895	48	292	35	749	7	21,567				
22	6,500	55.0	9.3	45.7	64	8.6	19	559	3	162	0	3,895	50	342	31	780	3	21,570				
23	6,500	54.9	10.3	44.6	64	8.8	12	571	0	162	3	3,898	18	360	24	804	4	21,574				
24	6,500						73	644	13	175	4	3,902	97	457	94	898	17	21,591				
25	6,500						21	665	4	179	0	3,902	101	558	93	991	2	21,593				
26	6,500	54.9	10.1	44.8	62	8.8	21	686	4	183	0	3,902	131	689	96	1,087	5	21,598				
27	6,400	54.9	9.6	45.3	62	8.8	17	703	2	185	0	3,902	323	1,012	186	1,273	3	21,601				
28	6,350	54.9	9.5	45.4	62	9.0	25	728	3	188	0	3,902	90	1,102	44	1,317	6	21,607				
29	6,400	54.9	10.0	44.9	62	9.0	23	751	5	193	0	3,902	108	1,210	67	1,384	10	21,617				
30	6,350	54.8	8.9	45.9	62	9.0	25	776	2	195	0	3,902	158	1,368	44	1,428	4	21,621				
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WILLAMETTE FALLS FISHWAY COUNTS

Month October Year 2016

Date	Hydrological Data						Fall Chinook						Coho				Steelhead				Other	
							Adult		Jack		Mini Jack		Adult		Jack		Summer		Winter		Daily	Cum.
	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.								
								776		195		3,902		1368		1428		21,621				
1	6,350						38	814	4	199	0	3,902	169	1,537	56	1,484	8	21,629				
2	6,500						52	866	6	205	0	3,902	190	1,727	78	1,562	8	21,637				
3	6,700	54.9	9.7	45.2	63	9.0	8	874	0	205	0	3,902	28	1,755	10	1,572	1	21,638				
4	6,700	54.9	9.9	45.0	63	9.0	26	900	2	207	0	3,902	100	1,855	34	1,606	7	21,645				
5	7,400	54.9	10.0	44.9	60	8.6	19	919	1	208	0	3,902	59	1,914	44	1,650	4	21,649				
6	8,800	54.9	11.5	43.4	60	8.5	8	927	0	208	0	3,902	28	1,942	17	1,667	1	21,650				
7	10,400	54.8	13.9	40.9	59	8.3	20	947	1	209	0	3,902	60	2,002	27	1,694	11	21,661				
8	12,500						9	956	3	212	1	3,903	23	2,025	17	1,711	9	21,670				
9	10,300						13	969	0	212	0	3,903	24	2,049	24	1,735	10	21,680				
10	9,300	55.1	14.2	40.9	58	6.5	8	977	1	213	0	3,903	21	2,070	26	1,761	6	21,686				
11	10,000	55.2	13.9	41.3	58	6.5	11	988	1	214	0	3,903	25	2,095	11	1,772	8	21,694				
12	9,300	55.2	13.8	41.4	57	5.8	20	1,008	3	217	0	3,903	51	2,146	27	1,799	1	21,695				
13	9,100	55.1	13.0	42.1	57	5.6	4	1,012	1	218	0	3,903	14	2,160	11	1,810	3	21,698				
14	13,600	55.3	14.6	40.7	58	5.6	10	1,022	1	219	0	3,903	43	2,203	10	1,820	7	21,705				
15	21,100						6	1,028	1	220	0	3,903	49	2,252	15	1,835	1	21,706				
16	23,800						3	1,031	0	220	0	3,903	13	2,265	5	1,840	4	21,710				
17	26,500	57.6	18.7	38.9	55	2.0	2	1,033	0	220	0	3,903	23	2,288	6	1,846	8	21,718				
18	35,100	57.8	21.2	36.6	55	2.0	2	1,035	0	220	0	3,903	10	2,298	5	1,851	0	21,718				
19	43,600	58.1	22.8	35.3	53	1.0	6	1,041	2	222	0	3,903	19	2,317	11	1,862	1	21,719				
20	39,400	58.0	22.3	35.7	52	<1.0	0	1,041	0	222	0	3,903	42	2,359	9	1,871	1	21,720				
21	34,900	57.4	20.4	37.0	52	<1.0	0	1,041	0	222	0	3,903	46	2,405	15	1,886	4	21,724				
22	40,800		20.8		53	1.5	0	1,041	0	222	0	3,903	27	2,432	14	1,900	2	21,726				
23	39,200						0	1,041	0	222	0	3,903	16	2,448	6	1,906	0	21,726				
24	34,100						0	1,041	0	222	0	3,903	13	2,461	6	1,912	1	21,727				
25	30,800				53	2.5	0	1,041	0	222	0	3,903	16	2,477	12	1,924	1	21,728				
26	28,300				53	2.5	0	1,041	0	222	0	3,903	11	2,488	14	1,938	1	21,729				
27	38,300				53	2.4	0	1,041	0	222	0	3,903	8	2,496	6	1,944	0	21,729				
28	37,900						0	1,041	0	222	0	3,903	3	2,499	1	1,945	1	21,730				
29	41,600						0	1,041	0	222	0	3,903	2	2,501	0	1,945	0	21,730				
30	39,500						0	1,041	0	222	0	3,903	0	2,501	1	1,946	1	21,731				
31	37,300				53	2.5	0	1,041	0	222	0	3,903	6	2,507	2	1,948	1	21,732				

WILLAMETTE FALLS FISHWAY COUNTS

Month December

2016

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.					
														2,558		1,991						29			
1	49,400	58.6	23.9	34.7	48	1.0							0	2,558	0	1,991						3	32		
2	45,900	58.3	23.9	34.4	48	1.0							0	2,558	0	1,991						1	33		
3													0	2,558	0	1,991						3	36		
4													0	2,558	0	1,991						7	43		
5	41,200												1	2,559	0	1,991						0	43		
6	44,100												0	2,559	0	1,991						2	45		
7	42,000												0	2,559	0	1,991						3	48		
8	38,000												0	2,559	0	1,991						1	49		
9	37,700												0	2,559	0	1,991						0	49		
10	44,300												0	2,559	0	1,991						0	49		
11	59,300												0	2,559	0	1,991						3	52		
12	66,200	59.3	25.4	33.9	43	<1.0							0	2,559	0	1,991						1	53		
13	64,000	59.4	26.7	32.7	42	<1.0							0	2,559	0	1,991						0	53		
14	55,300												0	2,559	0	1,991						1	54		
15	50,000												0	2,559	0	1,991						3	57		
16	58,300	58.4	23.1	35.3	40	1.0							0	2,559	0	1,991						1	58		
17	59,800												0	2,559	0	1,991						0	58		
18	52,400												0	2,559	0	1,991						1	59		
19	46,800	57.9	22.2	35.7	38	<1.0							0	2,559	0	1,991						0	59		
20	48,800	57.9	21.5	36.4	38	1.2							0	2,559	0	1,991						3	62		
21	68,100	59.0	24.3	34.7	38	1.2							0	2,559	0	1,991						3	65		
22	66,600	59.4	26.6	32.8	40	1.5							0	2,559	0	1,991						1	66		
23	57,100												0	2,559	0	1,991						1	67		
24	51,500												0	2,559	0	1,991						11	78		
25	47,100												0	2,559	0	1,991						17	95		
26	41,000												0	2,559	0	1,991						8	103		
27	36,500	57.3	20.1	37.2	40	2.5							0	2,559	0	1,991						7	110		
28	36,700	57.3	19.7	37.6	40	2.5							0	2,559	0	1,991						8	118		
29	36,500	57.4	20.3	37.1	40	2.5							0	2,559	0	1,991						4	122		
30	33,000	57.1	19.8	37.3	38	2.8							0	2,559	0	1,991						6	128		
31	31,300												0	2,559	0	1,991						4	132		