

WILLAMETTE FALLS FISHWAY COUNTS

Month January

Year 2012

Date	Hydrological Data						Spring Chinook									Coho				Steelhead			
							Adult			Jack			Mini Jack			Adult		Jack		Winter			Cum.
	Flow	HW	TW	Diff	Temp	Vis	Daily		Cum.	Daily		Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily		Cum.		
							Total	Clipped		Unclip	Total								Clipped	Unclip		Total	Clipped
1	81,500																		1	0	1	613	
2	66,000																		8	0	8	622	
3	54,000	58.8	25.6	33.2	44	<1.0													24	0	24	646	
4	49,000	58.1	23.7	34.4	44	<1.0													97	0	97	743	
5	47,000	57.7	22.3	35.4	45	1.2													72	0	72	815	
6	46,500	57.6	21.6	36.0	45	1.3													65	0	65	880	
7	42,000																		66	0	66	946	
8	36,400																		89	0	89	1,035	
9	31,500	56.6	18.9	37.7	43	1.6													64	1	63	1,099	
10	28,000	56.7	17.3	39.4	43	1.6													82	1	81	1,181	
11	24,000	56.4	16.7	39.7	42	2.0													35	2	33	1,216	
12	22,000	56.0	16.0	40.0	41	2.0													9	0	9	1,225	
13	21,000	55.7	15.6	40.1	40	2.3													5	0	5	1,230	
14	19,000																		1	0	1	1,231	
15	18,000																		0	0	0	1,231	
16	18,000																		2	0	2	1,233	
17	18,000	55.1	14.5	40.6	39	2.5													3	0	3	1,236	
18	30,000	56.1	16.1	40.0	38	2.5													19	0	19	1,255	
19	77,000	58.9	23.0	35.9	38	<1.0													-2	0	-2	1,253	
20	142,000																		6	0	6	1,259	
21	161,000																		5	0	5	1,264	
22	140,000																		4	0	4	1,268	
23	107,000	62.6	39.7	22.9	43	<1.0													8	0	8	1,276	
24	99,200																		-2	0	-2	1,274	
25	101,000	61.2	35.0	26.2	42	<1.0													-1	0	-1	1,273	
26	110,000	61.5	34.8	26.7	42	<1.0													-2	0	-2	1,271	
27	115,000	61.5	35.5	26.0	43	<1.0													7	0	7	1,278	
28	112,000																		-1	0	-1	1,277	
29	104,000																		1	0	1	1,278	
30	92,400	60.7	32.7	28.0	41	<1.0													7	0	7	1,285	
31	85,700	60.3	31.5	28.8	41	<1.0													10	0	10	1,295	

WILLAMETTE FALLS FISHWAY COUNTS

Month February

Year 2012

Date	Hydrological Data						Spring Chinook									Coho				Steelhead				
							Adult				Jack			Mini Jack		Adult		Jack		Winter			Cum.	
	Daily		Cum.	Daily			Cum.	Daily	Cum.	Daily	Cum.	Daily												
	Total	Clipped		Unclip	Total	Clipped						Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip						
1	77,000	59.9	29.6	30.3	42	<1.0	0	0	0	0											59	0	59	1,354
2	67,400	59.3	28.0	31.3	42	<1.0	0	0	0	0											105	1	104	1,459
3	58,800						0	0	0	0											125	6	119	1,584
4	52,000						0	0	0	0											61	2	59	1,645
5	48,700						0	0	0	0											47	2	45	1,692
6	46,200						0	0	0	0											47	2	45	1,739
7	44,200						0	0	0	0											45	2	43	1,784
8	39,100						0	0	0	0											73	5	68	1,857
9	33,500						0	0	0	0											96	6	90	1,953
10	29,900						0	0	0	0											152	14	138	2,105
11	26,700						0	0	0	0											225	27	198	2,330
12	26,000						0	0	0	0											299	23	276	2,629
13	24,000						0	0	0	0											149	5	144	2,778
14	22,600						0	0	0	0											95	11	84	2,873
15	21,000	55.6	15.4	40.2	44	2.4	0	0	0	0											44	5	39	2,917
16	19,700	55.4	15.1	40.3	44	2.4	0	0	0	0											30	4	26	2,947
17	19,000	55.2	14.8	40.4	43	2.9	0	0	0	0											15	3	12	2,962
18	18,600						0	0	0	0											41	4	37	3,003
19	20,000						0	0	0	0											34	6	28	3,037
20	20,300						0	0	0	0											31	5	26	3,068
21	21,600	55.7	15.3	40.4	43	2.5	1	0	1	1											32	8	24	3,100
22	28,600	56.3	16.7	39.6	43	2.4	0	0	0	1											85	21	64	3,185
23	39,000	56.8	18.8	38.0	43	2.2	0	0	0	1											291	32	259	3,476
24	38,000						0	0	0	1											108	19	89	3,584
25	33,700						0	0	0	1											64	2	62	3,648
26	33,300						0	0	0	1											60	7	53	3,708
27	31,200	56.7	19.1	37.6	42	2.0	0	0	0	1											28	4	24	3,736
28	28,000	56.6	18.3	38.3	42	2.0	0	0	0	1											22	4	18	3,758
	26,000	56.4	17.4	39.0	40	2.2	0	0	0	1											18	7	11	3,776

WILLAMETTE FALLS FISHWAY COUNTS

Month March Year 2012

Date	Hydrological Data						Spring Chinook									Steelhead								
							Adult				Jack			Mini Jack		Winter			Summer					
	Flow	HW	TW	Diff	Temp	Vis	Daily			Cum.	Daily			Cum.	Daily	Cum.	Daily			Cum.	Daily			Cum.
							Total	Clipped	Unclip		Total	Clipped	Unclip				Total	Clipped	Unclip		Total	Clipped	Unclip	
1	34,000	56.8	17.9	38.9	39	2.1	0	0	0	1							8	0	8	3,776	6	6	0	6
2	36,700	57.0	20.3	36.7	39	1.3	0	0	0	1							2	0	2	3,786	0	0	0	6
3	33,200						0	0	0	1							6	0	6	3,792	5	5	0	11
4	30,000						0	0	0	1							53	0	53	3,845	15	15	0	26
5	29,000	56.5	18.6	37.9	43	1.2	0	0	0	1							65	0	65	3,910	24	24	0	50
6	30,000	56.8	18.0	38.8	42	2.2	0	0	0	1							113	0	113	4,023	40	40	0	90
7	30,600	56.8	18.6	38.2	42	2.3	1	1	0	2							56	0	56	4,079	14	14	0	104
8	28,000	56.7	18.2	38.5	42	2.4	0	0	0	2							24	0	24	4,103	12	12	0	116
9	25,000	56.4	17.2	39.2	42	2.6	0	0	0	2							22	0	22	4,125	14	14	0	130
10	24,000						0	0	0	2							30	0	30	4,155	26	26	0	156
11	24,400						0	0	0	2							31	0	31	4,186	41	41	0	197
12	27,300	56.5	17.1	39.4	43	2.7	0	0	0	2							46	0	46	4,232	31	31	0	228
13	35,500	56.8	18.7	38.1	43	2.3	0	0	0	2							43	0	43	4,275	14	14	0	242
14	47,000	57.9	22.9	35.0	42	<1.0	0	0	0	2							12	0	12	4,287	3	3	0	245
15	47,300	58.4	24.1	34.3	42	<1.0	0	0	0	2							23	0	23	4,310	6	6	0	251
16	67,300	59.4	27.4	32.0	43	<1.0	0	0	0	2							2	0	2	4,312	3	3	0	254
17	84,600						0	0	0	2							6	0	6	4,318	2	2	0	256
18	83,500						0	0	0	2							19	0	19	4,337	7	7	0	263
19	73,600	60.2	31.4	28.8	44	<1.0	0	0	0	2							14	0	14	4,351	3	3	0	266
20	58,500	59.3	28.4	30.9	44	<1.0	0	0	0	2							15	0	15	4,366	4	4	0	270
21	62,000	58.9	26.6	32.3	43	<1.0	0	0	0	2							14	0	14	4,380	2	2	0	272
22	78,000	59.6	27.8	31.8	43	<1.0	0	0	0	2							5	0	5	4,385	0	0	0	272
23	87,700						0	0	0	2							-1	0	-1	4,384	0	0	0	272
24	89,100						0	0	0	2							5	0	5	4,389	2	2	0	274
25	78,300						0	0	0	2							64	0	64	4,453	18	18	0	292
26	65,000	59.3	28.3	31.0	46	<1.0	0	0	0	2							180	0	180	4,633	30	30	0	322
27	57,800	58.7	26.0	32.7	46	<1.0	0	0	0	2							141	0	141	4,774	41	41	0	363
28	55,700						0	0	0	2							150	0	150	4,924	73	73	0	436
29	56,200	58.3	24.4	33.9	47	1.6	0	0	0	2							119	0	119	5,043	64	64	0	500
30	67,800	59.1	25.8	33.3	47	1.5	0	0	0	2							85	0	85	5,128	21	21	0	521
31	97,600						0	0	0	2							1	0	1	5,129	13	13	0	534

Cumulative Adult Spring Chinook Mark Rate: 50.0%

WILLAMETTE FALLS FISHWAY COUNTS

Month April Year 2012

Date	Hydrological Data						Spring Chinook							Steelhead									
							Adult			Jack			Mini Jack	Winter			Summer						
	Flow	HW	TW	Diff	Temp	Vis	Daily		Cum.	Daily			Cum.	Daily	Cum.	Daily			Cum.				
							Total	Clipped	Unclip	2	Total	Clipped	Unclip			0	Total	Clipped		Unclip	5,129	Total	Clipped
1	116,000						0	0	0	2	0	0	0	0		13	0	13	5,142	7	7	0	541
2	121,000	61.9	37.3	24.6	48	<1.0	0	0	0	2	0	0	0	0		-3	0	-3	5,139	16	16	0	557
3	109,000	61.8	37.1	24.7	48	<1.0	0	0	0	2	0	0	0	0		24	0	24	5,163	12	12	0	569
4	91,700	61.2	35.3	25.9	48	<1.0	0	0	0	2	0	0	0	0		39	0	39	5,202	26	26	0	595
5	82,400	60.6	32.6	28.0	47	<1.0	0	0	0	2	0	0	0	0		19	0	19	5,221	21	21	0	616
6	77,300						0	0	0	2	0	0	0	0		19	0	19	5,240	11	11	0	627
7	66,200						0	0	0	2	0	0	0	0		44	0	44	5,284	22	22	0	649
8	54,400						0	0	0	2	0	0	0	0		90	0	90	5,374	92	92	0	741
9	44,100	57.9	23.7	34.2	49	2.0	2	2	0	4	0	0	0	0		198	0	198	5,572	303	303	0	1,044
10	38,700	57.3	21.4	35.9	49	2.0	8	5	3	12	3	3	0	3		224	0	224	5,796	340	340	0	1,384
11	34,400	56.8	20.1	36.7	50	2.6	20	17	3	32	1	1	0	4		150	0	150	5,946	181	181	0	1,565
12	35,000	56.8	19.4	37.4	50	2.6	23	18	5	55	0	0	0	4		74	0	74	6,020	124	124	0	1,689
13	36,000	56.8	19.4	37.4	50	2.8	18	14	4	73	0	0	0	4		52	0	52	6,072	131	131	0	1,820
14	34,000						36	26	10	109	0	0	0	4		28	0	28	6,100	87	87	0	1,907
15	31,000						34	26	8	143	0	0	0	4		48	0	48	6,148	86	86	0	1,993
16	29,200	56.6	17.6	39.0	50	2.6	42	36	6	185	0	0	0	4		43	0	43	6,191	125	125	0	2,118
17	34,200	56.7	17.6	39.1	50	2.6	51	38	13	236	0	0	0	4		51	0	51	6,242	108	108	0	2,226
18	41,000	56.8	19.4	37.4	50	3.0	29	20	9	265	0	0	0	4		45	0	45	6,287	99	99	0	2,325
19	43,800	57.0	20.5	36.5	49	3.0	9	4	5	274	0	0	0	4		27	0	27	6,314	46	46	0	2,371
20	46,300	57.2	20.8	36.4	49	2.8	16	10	6	290	0	0	0	4		35	0	35	6,349	74	74	0	2,445
21	50,000						7	4	3	297	0	0	0	4		28	0	28	6,377	63	63	0	2,508
22	46,000						16	12	4	313	0	0	0	4		79	0	79	6,456	113	113	0	2,621
23	43,000	57.2	21.0	36.2	53	2.7	34	21	13	347	1	1	0	5		69	0	69	6,525	164	164	0	2,785
24	40,700	56.9	20.7	36.2	54	2.8	319	230	89	666	9	8	1	14		52	0	52	6,577	382	382	0	3,167
25	41,400	56.8	20.3	36.5	54	3.2	603	439	164	1,269	15	10	5	29		78	0	78	6,655	223	223	0	3,390
26	46,100	57.1	20.7	36.4	53	3.2	283	225	58	1,552	1	1	0	30		28	0	28	6,683	180	180	0	3,570
27	50,000	57.5	21.8	35.7	52	3.3	165	125	40	1,717	2	2	0	32		28	0	28	6,711	157	157	0	3,727
28	49,700						28	18	10	1,745	0	0	0	32		28	0	28	6,739	45	45	0	3,772
29	42,600						50	41	9	1,795	0	0	0	32		17	0	17	6,756	78	78	0	3,850
30	37,100	56.8	20.6	36.2	51	2.7	65	49	16	1,860	0	0	0	32		16	0	16	6,772	126	126	0	3,976

Cumulative Adult Spring Chinook Mark Rate: 74.2%

WILLAMETTE FALLS FISHWAY COUNTS

Month May Year 2012

Date	Hydrological Data						Spring Chinook									Steelhead								
							Adult				Jack				Mini Jack		Winter				Summer			
	Flow	HW	TW	Diff	Temp	Vis	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			
1	35,300	56.8	19.8	37.0	51	3.0	55	40	15	1,915	0	0	0	32	0	0	20	0	20	6,772	82	82	0	4,058
2	40,600	56.9	19.9	37.0	52	3.8	86	62	24	2,001	1	1	0	33	0	0	13	0	13	6,805	109	109	0	4,167
3	40,500	56.9	20.8	36.1	50	3.6	47	40	7	2,048	1	1	0	34	0	0	9	0	9	6,814	58	58	0	4,225
4	43,900						27	17	10	2,075	0	0	0	34	0	0	14	0	14	6,828	70	70	0	4,295
5	45,000						26	16	10	2,101	1	1	0	35	0	0	11	0	11	6,839	100	100	0	4,395
6	43,100						32	24	8	2,133	0	0	0	35	0	0	24	0	24	6,863	91	91	0	4,486
7	38,800						52	41	11	2,185	2	2	0	37	0	0	26	0	26	6,889	170	170	0	4,656
8	35,500				52	3.6	282	192	90	2,467	8	7	1	45	0	0	26	0	26	6,915	205	205	0	4,861
9	32,800	56.9	18.9	38.0	54	3.8	2087	1,475	612	4,554	80	61	19	125	4	4	47	0	47	6,962	325	325	0	5,186
10	29,200	56.7	17.8	38.9	55	4.5	1676	1,305	371	6,230	23	17	6	148	0	4	35	0	35	6,997	264	264	0	5,450
11	25,400	56.2	16.9	39.3	56	4.6	1694	1,315	379	7,924	20	17	3	168	2	6	30	0	30	7,027	295	295	0	5,745
12	23,200						1184	937	247	9,108	53	43	10	221	1	7	27	0	27	7,054	204	204	0	5,949
13	21,700						1390	986	404	10,498	49	39	10	270	1	8	28	0	28	7,082	286	286	0	6,235
14	21,200						1435	1,056	379	11,933	57	47	10	327	5	13	58	0	58	7,140	456	456	0	6,691
15	21,100	55.8	14.9	40.9	59	5.5	1487	1,126	361	13,420	46	33	13	373	5	18	32	0	32	7,172	359	359	0	7,050
16	21,200	55.4	15	40.4	60	5.6	1460	1,165	295	14,880	41	33	8	414	8	26	30	0	30	7,202	508	508	0	7,558
17	21,300	55.4	14.8	40.6	60	6.0	811	646	165	15,691	28	25	3	442	0	26	26	0	26	7,228	395	395	0	7,953
18	20,900	55.4	14.7	40.7	60	6.1	678	549	129	16,369	29	21	8	471	5	31	34	0	34	7,262	295	295	0	8,248
19	19,600						567	471	96	16,936	28	21	7	499	1	32	29	0	29	7,291	399	399	0	8,647
20	17,500						258	217	41	17,194	14	10	4	513	1	33	21	0	21	7,312	261	261	0	8,908
21	16,800	54.7	13.9	40.8	58	6.3	206	168	38	17,400	10	9	1	523	1	34	32	0	32	7,344	259	259	0	9,167
22	17,100	54.7	13.9	40.8	58	6.0	235	184	51	17,635	11	9	2	534	2	36	32	0	32	7,376	240	240	0	9,407
23	21,300	55.2	14.5	40.7	57	5.7	157	120	37	17,792	6	5	1	540	2	38	13	0	13	7,389	225	225	0	9,632
24	21,700	55.5	15.4	40.1	57	5.7	96	80	16	17,888	3	3	0	543	0	38	7	0	7	7,396	199	199	0	9,831
25	25,200						73	60	13	17,961	1	1	0	544	0	38	8	0	8	7,404	186	186	0	10,017
26	27,800						78	60	18	18,039	7	6	1	551	0	38	16	0	16	7,420	294	294	0	10,311
27	29,400						208	166	42	18,247	10	5	5	561	1	39	55	0	55	7,475	263	263	0	10,574
28	27,800						283	219	64	18,530	17	13	4	578	2	41	52	0	52	7,527	292	292	0	10,866
29	24,700	56.0	16.1	39.9	54	4.5	470	367	103	19,000	27	19	8	605	13	54	29	0	29	7,556	395	395	0	11,261
30	21,700	55.6	15.3	40.3	55	4.5	830	670	160	19,830	45	38	7	650	6	60	37	0	37	7,593	519	519	0	11,780
31	19,000						933	740	193	20,763	56	42	14	706	17	77	23	0	23	7,616	373	373	0	12,153

Cumulative Adult Spring Chinook Mark Rate: 76.6%

WILLAMETTE FALLS FISHWAY COUNTS

Month June Year 2012

Date	Hydrological Data						Spring Chinook									Steelhead							
							Adult			Jack			Mini Jack			Winter			Summer				
	Flow	HW	TW	Diff	Temp	Vis	Daily			Cum.	Daily			Cum.	Daily	Cum.	Daily			Cum.			
							Total	Clipped	Unclip	Total	Clipped	Unclip	Total	Clipped		Unclip	Total	Clipped	Unclip				
1	17,100	55.1	13.7	41.4	58	6.0	608	490	118	21,371	43	35	8	749	6	83				398	383	15	12,551
2	16,300						433	339	94	21,804	24	17	7	773	6	89				377	349	28	12,928
3	16,700						463	371	92	22,267	15	14	1	788	11	100				331	323	8	13,259
4	16,100	54.5	13.3	41.2	63	6.7	416	334	82	22,683	14	10	4	802	6	106				262	247	15	13,521
5	17,300	54.6	13.4	41.2	62	6.0	324	263	61	23,007	9	9	0	811	8	114				283	276	7	13,804
6	28,300	54.9	15.9	39.0	58	5.0	290	243	47	23,297	11	11	0	822	2	116				291	287	4	14,095
7	32,500	55.8	17.5	38.3	57	5.0	167	130	37	23,464	8	5	3	830	2	118				349	322	27	14,444
8	31,300	55.8	17.8	38.0	57	4.1	103	73	30	23,567	6	6	0	836	1	119				271	254	17	14,715
9	30,100						106	92	14	23,673	3	2	1	839	0	119				306	300	6	15,021
10	32,000						115	90	25	23,788	3	3	0	842	3	122				463	453	10	15,484
11	31,400	55.9	18.1	37.8	54	4.4	102	83	19	23,890	2	2	0	844	1	123				391	373	18	15,875
12	26,700	55.6	17.4	38.2	55	4.3	227	183	44	24,117	12	8	4	856	2	125				474	441	33	16,349
13	23,800	55.8	15.8	40.0	58	5.0	341	271	70	24,458	9	6	3	865	5	130				424	391	33	16,773
14	21,500	55.5	15.2	40.3	58	5.1	439	360	79	24,897	18	14	4	883	9	139				377	352	25	17,150
15	19,700	55.3	14.7	40.6	59	6.3	384	309	75	25,281	15	11	4	898	12	151				391	370	21	17,541
16	18,300						744	611	133	26,025	19	16	3	917	8	159				440	435	5	17,981
17	18,600						823	641	182	26,848	24	18	6	941	22	181				390	375	15	18,371
18	17,800	54.6	14.8	39.8	64	6.2	1089	851	238	27,937	18	14	4	959	19	200				389	370	19	18,760
19	16,300	54.6	13.7	40.9	64	6.2	856	661	195	28,793	33	24	9	992	25	225				372	356	16	19,132
20	15,700	54.6	13.7	40.9	63	6.3	554	453	101	29,347	16	13	3	1,008	29	254				370	354	16	19,502
21	15,300	54.6	13.6	41.0	63	6.4	440	361	79	29,787	12	11	1	1,020	6	260				324	309	15	19,826
22	14,000	54.6	13.2	41.4	64	6.5	390	303	87	30,177	7	7	0	1,027	14	274				265	251	14	20,091
23	14,100						385	299	86	30,562	12	7	5	1,039	13	287				204	198	6	20,295
24	15,600						306	254	52	30,868	20	14	6	1,059	7	294				270	254	16	20,565
25	16,200	54.6	13.7	40.9	63	6.6	328	261	67	31,196	9	7	2	1,068	25	319				275	252	23	20,840
26	16,000	54.6	14.2	40.4	63	6.6	319	255	64	31,515	11	7	4	1,079	54	373				261	241	20	21,101
27	15,800	54.6	14.2	40.4	62	7.0	280	223	57	31,795	6	4	2	1,085	55	428				255	240	15	21,356
28	15,200	54.6	14.7	39.9	62	7.0	224	181	43	32,019	1	1	0	1,086	54	482				258	257	1	21,614
29	14,200	54.6	14.0	40.6	62	7.0	148	119	29	32,167	6	5	1	1,092	74	556				220	203	17	21,834
30	13,600						279	212	67	32,446	7	3	4	1,099	66	622				185	165	20	22,019

Cumulative Adult Spring Chinook Mark Rate: 77.7%

WILLAMETTE FALLS FISHWAY COUNTS

Month July Year 2012

Date	Hydrological Data						Spring Chinook							Steelhead									
							Adult			Jack			Mini Jack		Winter			Summer					
	Flow	HW	TW	Diff	Temp	Vis	Daily		Cum.	Daily		Cum.	Daily	Cum.	Daily		Cum.	Daily		Cum.			
							Total	Clipped	Unclip	Total	Clipped	Unclip			Total	Clipped		Unclip	Total		Clipped	Unclip	
1	13,300						261	202	59	32,707	16	10	6	1,115	73	695				170	151	19	22,189
2	13,100						283	225	58	32,990	14	13	1	1,129	100	795				199	181	18	22,388
3	12,700	54.3	13.3	41.0	62	6.6	252	182	70	33,242	15	9	6	1,144	95	890				136	125	11	22,524
4	12,500						250	183	67	33,492	10	8	2	1,154	118	1,008				113	104	9	22,637
5	12,400	54.2	12.3	41.9	64	7.2	204	144	60	33,696	12	9	3	1,166	102	1,110				103	96	7	22,740
6	12,000	53.7	12.4	41.3	66	7.3	240	161	79	33,936	6	4	2	1,172	116	1,226				134	120	14	22,874
7	11,800						311	205	106	34,247	11	9	2	1,183	154	1,380				186	179	7	23,060
8	11,400						288	199	89	34,535	14	12	2	1,197	123	1,503				140	129	11	23,200
9	11,000	52.8	12.4	40.4	70	6.0	182	122	60	34,717	8	7	1	1,205	137	1,640				73	66	7	23,273
10	10,500	52.8	12.2	40.6	72	6.8	42	28	14	34,759	4	3	1	1,209	46	1,686				16	15	1	23,289
11	10,400	52.8	12.0	40.8	72	7.8	72	50	22	34,831	3	3	0	1,212	73	1,759				34	30	4	23,323
12	10,300	52.7	11.9	40.8	74	7.8	15	13	2	34,846	0	0	0	1,212	15	1,774				14	12	2	23,337
13	10,000	52.7	12.0	40.7	74	7.8	52	36	16	34,898	3	2	1	1,215	117	1,891				66	63	3	23,403
14	9,700						25	17	8	34,923	3	2	1	1,218	53	1,944				11	9	2	23,414
15	9,500						6	4	2	34,929	0	0	0	1,218	22	1,966				7	5	2	23,421
16	9,500	52.7	11.9	40.8	73	6.6	4	4	0	34,933	1	0	1	1,219	44	2,010				6	6		23,427
17	9,400	52.7	12.1	40.6	73	6.8	2	2	0	34,935	1	1	0	1,220	8	2,018				6	4	2	23,433
18	9,240	52.8	11.5	41.3	73	6.8	8	6	2	34,943	1	1	0	1,221	36	2,054				11	9	2	23,444
19	9,240	52.7	11.9	40.8	73	7.2	7	3	4	34,950	1	1	0	1,222	70	2,124				26	25	1	23,470
20	9,200	52.9	11.4	41.5	73	7.2	13	8	5	34,963	2	1	1	1,224	39	2,163				22	19	3	23,492
21	9,000						19	10	9	34,982	2	2	0	1,226	46	2,209				36	28	8	23,528
22	8,900						44	30	14	35,026	7	4	3	1,233	77	2,286				36	29	7	23,564
23	8,950	52.8	12.4	40.4	70	7.2	75	44	31	35,101	6	5	1	1,239	75	2,361				35	31	4	23,599
24	8,800	52.8	12.4	40.4	70	7.2	100	69	31	35,201	10	7	3	1,249	90	2,451				64	53	11	23,663
25	8,700	52.8	12.2	40.6	70	7.3	159	103	56	35,360	13	10	3	1,262	154	2,605				100	88	12	23,763
26	8,500	55.3	8.5	46.8	70	6.8	172	94	78	35,532	18	14	4	1,280	146	2,751				101	97	4	23,864
27	8,400	56.1	11.5	44.6	70	6.8	45	26	19	35,577	5	3	2	1,285	116	2,867				32	27	5	23,896
28	8,350						28	12	16	35,605	3	1	2	1,288	86	2,953				30	25	5	23,926
29	8,350						46	25	21	35,651	5	2	3	1,293	73	3,026				50	39	11	23,976
30	8,350						28	10	18	35,679	3	1	2	1,296	97	3,123				21	18	3	23,997
31	8,300	55.6	9.0	46.6	72	7.2	38	15	23	35,717	3	2	1	1,299	46	3,169				16	8	8	24,013

Cumulative Adult Spring Chinook Mark Rate: 76.8%

WILLAMETTE FALLS FISHWAY COUNTS

Month August Year 2012

Date	Hydrological Data						Spring/Fall Chinook									Steelhead							
							Adult				Jack				Mini Jack		Winter			Summer			
	Flow	HW	TW	Diff	Temp	Vis	Daily			Cum.	Daily			Cum.	Daily	Cum.	Daily			Cum.			
							Total	Clipped	Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip					
1	8,100	56.0	8.3	47.7	72	7.2	14	5	9	35,717	0	0	0	0	34	3,203				17	12	5	24,030
2	8,100	56.0	8.8	47.2	73	7.2	33	10	23	35,764	2	2	0	2	87	3,290				22	16	6	24,052
3	8,100	56.0	9.5	46.5	73	7.2	29	14	15	35,793	2	1	1	2	90	3,380				20	14	6	24,072
4	8,400			0.0			12	3	9	35,805	4	1	3	4	37	3,417				7	5	2	24,079
5	8,350			0.0			11	2	9	35,816	0	0	0	0	67	3,484				10	8	2	24,089
6	8,350	56.2	9.5	46.7	73	6.8	6	2	4	35,822	1	0	1	1	38	3,522				15	12	3	24,104
7	8,200	56.2	9.3	46.9	74	6.8	6	3	3	35,828	0	0	0	0	55	3,577				10	10	0	24,114
8	8,100	56.1	9.5	46.6	74	6.6	2	0	2	35,830	1	0	1	1	43	3,620				3	2	1	24,117
9	8,130	56.1	9.3	46.8	75	6.8	7	0	7	35,837	2	0	2	2	36	3,656				4	4	0	24,121
10	8,000	56.2	7.9	48.3	75	6.8	10	1	9	35,847	1	0	1	1	30	3,686				3	1	2	24,124
11	8,100			0.0			15	2	13	35,862	0	0	0	0	39	3,725				3	1	2	24,127
12	7,950			0.0			13	3	10	35,875	1	0	1	1	48	3,773				7	5	2	24,134
13	8,000	56.1	9.3	46.8	73	7.0	12	0	12	35,887	0	0	0	0	40	3,813				9	6	3	24,143
14	8,000	56.1	8.1	48.0	73	7.0	2	0	2	35,889	1	0	1	1	27	3,840				6	3	3	24,149
15	7,900	56.1	9.2	46.9	73	6.3	10	1	9	35,899	0	0	0	0	37	3,877				3	1	2	24,152
16	7,800	56.1	8.0	48.1	75	6.3	2	0	2	2	1	0	1	1	22	3,899				7	4	3	24,159
17	7,700			0.0			3	0	3	5	2	0	2	3	9	3,908				0	0	0	24,159
18	7,700			0.0			2	0	2	7	0	0	0	3	9	3,917				1	1	0	24,160
19	8,000			0.0			6	1	5	13	1	0	1	4	6	3,923				0	0	0	24,160
20	8,300			0.0			4	0	4	17	0	0	0	4	14	3,937				1	1	0	24,161
21	8,300	56.1	9.0	47.1	75	7.8	4	0	4	21	2	0	2	6	4	3,941				0	0	0	24,161
22	8,300	56.1	8.8	47.3	75	7.8	11	0	11	32	1	0	1	7	7	3,948				3	2	1	24,164
23	8,300	56.0	8.2	47.8	73	8.0	6	1	5	38	0	0	0	7	13	3,961				2	1	1	24,166
24	8,300	56.0	8.9	47.1	73	8.0	13	0	13	51	5	1	4	12	16	3,977				7	6	1	24,173
25	8,200			0.0			19	3	16	70	0	0	0	12	17	3,994				8	7	1	24,181
26	8,200			0.0			17	2	15	87	5	3	2	17	29	4,023				14	9	5	24,195
27	8,200	56.0	8.2	47.8	70	7.3	1	0	1	88	4	1	3	21	4	4,027				3	3	0	24,198
28	8,200			0.0			0	0	0	88	0	0	0	21	0	4,027				0	0	0	24,198
29	8,200			0.0			0	0	0	88	0	0	0	21	0	4,027				0	0	0	24,198
30	8,200			0.0			0	0	0	88	0	0	0	21	0	4,027				0	0	0	24,198
31	8,200			0.0			22	0	22	110	8	0	8	29	10	4,037				22	12	10	24,220

Cumulative Adult Spring Chinook Mark Rate: 76.6%

* Annual maintenance shutdown

WILLAMETTE FALLS FISHWAY COUNTS

Month September

Year 2012

Date	Hydrological Data						Fall Chinook									Coho				Steelhead				
							Adult			Jack			Mini Jack			Adult		Jack		Summer				
	Flow	HW	TW	Diff	Temp	Vis	Daily			Cum.	Daily			Cum.	Daily	Cum.	Daily	Cum.	Daily			Cum.		
							Total	Clipped	Unclip		Total	Clipped	Unclip						Total	Clipped	Unclip		Total	Clipped
1	8,300						59	2	57	169	11	1	10	40	17	4,054	3	23	12	83	13	8	5	24,233
2	8,300						48	6	42	217	9	1	8	49	7	4,061	7	30	12	95	13	4	9	24,246
3	8,200						47	3	44	264	10	0	10	59	9	4,070	3	33	6	101	6	0	6	24,252
4	8,500	56.0	7.7	48.3	68	7.8	28	1	27	292	9	0	9	68	10	4,080	11	44	21	122	15	8	7	24,267
5	8,700	56.0	8.9	47.1	68	7.8	30	0	30	322	7	1	6	75	11	4,091	12	56	22	144	15	5	10	24,282
6	8,800	55.9	9.3	46.6	68	7.5	16	0	16	338	9	1	8	84	4	4,095	19	75	29	173	11	3	8	24,293
7	8,900	55.9	9.3	46.6	68	7.5	41	1	40	379	11	0	11	95	3	4,098	6	81	20	193	8	2	6	24,301
8	9,100						30	2	28	409	6	0	6	101	4	4,102	14	95	27	220	8	1	7	24,309
9	9,500						17	0	17	426	5	0	5	106	0	4,102	14	109	24	244	5	3	2	24,314
10	10,000	56.0	10.0	46.0	69	8.5	27	1	26	453	5	0	5	111	3	4,105	15	124	11	255	2	0	2	24,316
11	10,200	55.9	9.9	46.0	68	8.5	42	2	40	495	3	0	3	114	2	4,107	17	141	32	287	4	2	2	24,320
12	10,300	55.9	10.0	45.9	68	8.5	27	2	25	522	6	0	6	120	4	4,111	12	153	32	319	11	4	7	24,331
13	10,400	55.9	10.2	45.7	66	8.6	23	0	23	545	9	0	9	129	1	4,112	9	162	23	342	5	0	5	24,336
14	10,300	55.9	10.1	45.8	66	8.6	90	1	89	635	26	0	26	155	2	4,114	14	176	55	397	11	2	9	24,347
15	10,500						123	2	121	758	31	0	31	186	4	4,118	19	195	147	544	11	4	7	24,358
16	10,500						154	3	151	912	75	1	74	261	4	4,122	28	223	198	742	10	3	7	24,368
17	10,800	56.0	10.2	45.8	64	8.3	142	4	138	1,054	73	1	72	334	4	4,126	158	381	317	1,059	9	0	9	24,377
18	10,700	56.0	10.3	45.7	64	8.3	36	0	36	1,090	14	1	13	348	0	4,126	154	535	262	1,321	11	1	10	24,388
19	10,700	55.9	10.6	45.3	63	7.6	68	0	68	1,158	7	0	7	355	0	4,126	211	746	279	1,600	13	1	12	24,401
20	10,700	56.0	10.7	45.3	63	8.0	59	1	58	1,217	9	0	9	364	0	4,126	152	898	158	1,758	8	3	5	24,409
21	11,200						51	0	51	1,268	6	0	6	370	0	4,126	128	1,026	182	1,940	7	0	7	24,416
22	11,300						47	0	47	1,315	5	0	5	375	0	4,126	137	1,163	88	2,028	7	1	6	24,423
23	11,700						57	0	57	1,372	6	0	6	381	0	4,126	330	1,493	253	2,281	5	0	5	24,428
24	11,500						28	2	26	1,400	3	0	3	384	0	4,126	312	1,805	220	2,501	8	4	4	24,436
25	11,100						30	0	30	1,430	1	0	1	385	0	4,126	387	2,192	175	2,676	9	2	7	24,445
26	11,000	55.9	11.0	44.9	61	7.4	40	3	37	1,470	8	0	8	393	0	4,126	438	2,630	491	3,167	7	3	4	24,452
27	10,800						50	7	43	1,520	12	0	12	405	0	4,126	324	2,954	450	3,617	4	2	2	24,456
28	10,800						47	4	43	1,567	7	0	7	412	0	4,126	353	3,307	380	3,997	12	2	10	24,468
29	10,700						29	2	27	1,596	3	1	2	415	0	4,126	359	3,666	289	4,286	11	5	6	24,479
30	10,900						14	0	14	1,610	0	0	0	415	0	4,126	240	3,906	190	4,476	20	3	17	24,499

WILLAMETTE FALLS FISHWAY COUNTS

Month October

Year 2012

Date	Hydrological Data						Fall Chinook									Coho				Steelhead				
							Adult			Jack			Mini Jack			Adult		Jack		Summer				
	Flow	HW	TW	Diff	Temp	Vis	Daily			Cum.	Daily			Cum.	Daily	Cum.	Daily	Cum.	Daily			Cum.		
							Total	Clipped	Unclip		Total	Clipped	Unclip						Total	Cum.	Daily		Cum.	Total
1	10,900	55.9	11.4	44.5	61	8.2	18	0	18	1,628	1	0	1	416			273	4,179	310	4,786	10	3	7	24,509
2	10,800	54.8	12.7	42.1	61	8.2	28	1	27	1,656	0	0	0	416			250	4,429	255	5,041	7	1	6	24,516
3	11,000	54.0	12.7	41.3	62	8.3	13	1	12	1,669	0	0	0	416			211	4,640	130	5,171	22	4	18	24,538
4	11,100	56.0	11.6	44.4	62	8.3	24	2	22	1,693	6	0	6	422			133	4,773	151	5,322	8	0	8	24,546
5	11,500	55.9	12.4	43.5	60	7.3	7	0	7	1,700	0	0	0	422			112	4,885	76	5,398	4	0	4	24,550
6	11,800						14	0	14	1,714	2	0	2	424			59	4,944	72	5,470	3	0	3	24,553
7	12,000						21	1	20	1,735	1	0	1	425			84	5,028	73	5,543	9	0	9	24,562
8	12,000	55.9	13.0	42.9	58	7.2	5	1	4	1,740	1	0	1	426			92	5,120	70	5,613	6	0	6	24,568
9	12,000	55.9	12.7	43.2	58	7.2	13	0	13	1,753	0	0	0	426			147	5,267	96	5,709	8	0	8	24,576
10	12,100	55.8	12.8	43.0	58	6.8	8	0	8	1,761	1	0	1	427			116	5,383	71	5,780	9	1	8	24,585
11	12,200	55.9	13.0	42.9	58	6.8	12	0	12	1,773	0	0	0	427			72	5,455	55	5,835	6	1	5	24,591
12	12,200	55.9	13.0	42.9	57	5.8	0	0	0	1,773	0	0	0	427			61	5,516	29	5,864	6	0	6	24,597
13	12,800						1	0	1	1,774	2	0	2	429			124	5,640	55	5,919	9	2	7	24,606
14	12,700						1	1	0	1,775	0	0	0	429			97	5,737	48	5,967	14	4	10	24,620
15	12,900	55.9	13.5	42.4	57	5.7	4	1	3	1,779	0	0	0	429			106	5,843	57	6,024	7	1	6	24,627
16	13,800	55.9	13.8	42.1	57	5.6	0	0	0	1,779	0	0	0	429			128	5,971	66	6,090	7	1	6	24,634
17	17,500	56.1	15.2	40.9	58	5.5	6	0	6	1,785	0	0	0	429			81	6,052	52	6,142	3	0	3	24,637
18	14,900	56.1	15.4	40.7	58	5.5	4	0	4	1,789	0	0	0	429			66	6,118	25	6,167	4	1	3	24,641
19	13,300						0	0	0	1,789	0	0	0	429			53	6,171	16	6,183	6	2	4	24,647
20	13,100						1	1	0	1,790	0	0	0	429			94	6,265	31	6,214	5	1	4	24,652
21	14,800						0	0	0	1,790	0	0	0	429			39	6,304	10	6,224	6	1	5	24,658
22	15,200	55.9	14.6	41.3	53		0	0	0	1,790	0	0	0	429			21	6,325	21	6,245	7	1	6	24,665
23	14,900	55.8	14.4	41.4	53	5.4	1	0	1	1,791	0	0	0	429			29	6,354	8	6,253	0	0	0	24,665
24	15,000	56.0	14.4	41.6	53	5.4	0	0	0	1,791	0	0	0	429			24	6,378	5	6,258	2	1	1	24,667
25	15,400	55.9	14.4	41.5	52	5.3	0	0	0	1,791	0	0	0	429			10	6,388	7	6,265	4	0	4	24,671
26	16,200	55.9	14.4	41.5	51	5.2	0	0	0	1,791	0	0	0	429			3	6,391	9	6,274	13	0	13	24,684
27	16,600						0	0	0	1,791	0	0	0	429			4	6,395	7	6,281	6	0	6	24,690
28	18,900						0	0	0	1,791	0	0	0	429			10	6,405	-4	6,277	6	0	6	24,696
29	29,500		14.9		52	3.5	0	0	0	1,791	0	0	0	429			21	6,426	32	6,309	7	0	7	24,703
30	34,200		14.9		52	3.3	0	0	0	1,791	0	0	0	429			22	6,448	9	6,318	6	1	5	24,709
31	32,000	57.6	14.9	42.7	54	1.8	0	0	0	1,791	0	0	0	429			22	6,470	4	6,322	19	1	18	24,728

WILLAMETTE FALLS FISHWAY COUNTS

Month November

Year 2012

Date	Hydrological Data						Fall Chinook									Coho				Steelhead				
							Adult			Jack			Mini Jack			Adult		Jack		Winter			Cum.	
	Flow	HW	TW	Diff	Temp	Vis	Daily		Cum.	Daily		Cum.	Daily	Cum.	Daily	Cum.	Daily		Cum.					
							Total	Clipped		Unclip	Total						Clipped	Unclip		Total	Clipped	Unclip		
1	29,000	57.6	14.9	42.7	55	2.3	0	0	0	1,791							23	6,493	1	6,323	15	0	15	15
2	28,800	57.1			54	2.6	0	0	0	1,791							17	6,510	9	6,332	8	0	8	23
3	28,000						0	0	0	1,791							14	6,524	13	6,345	6	1	5	29
4	27,000						2	0	2	1,793							7	6,531	6	6,351	4	0	4	33
5	25,200	56.6			54	3.0	0	0	0	1,793							5	6,536	3	6,354	6	0	6	39
6	24,000	56.5			54	3.6	0	0	0	1,793							6	6,542	1	6,355	5	0	5	44
7	23,000	56.3			55	3.6	0	0	0	1,793							4	6,546	4	6,359	0	0		44
8	22,400	56.3			55	3.6	0	0	0	1,793							0	6,546	1	6,360	2	0	2	46
9	22,000	55.9	16.4	39.5	53	4.0	0	0	0	1,793							1	6,547	2	6,362	2	0	2	48
10	21,200						0	0	0	1,793							1	6,548	2	6,364	4	0	4	52
11	21,100						1	0	1	1,794							0	6,548	0	6,364	3	0	3	55
12	21,400						0	0	0	1,794							-1	6,547	-1	6,363	2	0	2	57
13	26,400	56.0	16.4	39.6	49	4.0	0	0	0	1,794							3	6,550	1	6,364	7	0	7	64
14	26,100	56.3	17.5	38.8	49	4.0	0	0	0	1,794							4	6,554	1	6,365	10	0	10	74
15	23,800	56.1	17.3	38.8	49	3.4	1	0	1	1,795							3	6,557	2	6,367	7	0	7	81
16	22,000	56.0	16.5	39.5	49	3.4	0	0	0	1,795							3	6,560	2	6,369	10	0	10	91
17	24,200						0	0	0	1,795							3	6,563	0	6,369	9	0	9	100
18	28,100						0	0	0	1,795							1	6,564	1	6,370	4	0	4	104
19	32,700	56.9	18.4	38.5	49	3.6	0	0	0	1,795							3	6,567	0	6,370	3	0	3	107
20	52,800	59.0	22.1	36.9	50	<1.0	0	0	0	1,795							0	6,567	0	6,370	0	0	0	107
21	81,600	60.4	29.0	31.4	50	<1.0	0	0	0	1,795							1	6,568	0	6,370	0	0	0	107
22	88,300						0	0	0	1,795							1	6,569	0	6,370	0	0	0	107
23	81,000						0	0	0	1,795							0	6,569	0	6,370	0	0	0	107
24	73,000						0	0	0	1,795							-2	6,567	0	6,370	2	0	2	109
25	78,000						0	0	0	1,795							0	6,567	0	6,370	0	0	0	109
26	76,300	60.3			48	<1.0	0	0	0	1,795							2	6,569	0	6,370	2	0	2	111
27	71,200	60.0	28.1	31.9	48	<1.0	0	0	0	1,795							0	6,569	0	6,370	3	0	3	114
28	65,700	59.0	26.7	32.3	46	<1.0	0	0	0	1,795							0	6,569	0	6,370	0	0	0	114
29	60,000						0	0	0	1,795							0	6,569	0	6,370	8	0	8	122
30	58,700						0	0	0	1,795							0	6,569	0	6,370	18	0	18	140

WILLAMETTE FALLS FISHWAY COUNTS

Month December

Year 2012

Date	Hydrological Data							Fall Chinook									Coho				Steelhead			
								Adult			Jack			Mini Jack			Adult		Jack		Winter			
	Flow	HW	TW	Diff	Temp	Vis	Daily		Cum.	Daily			Cum.	Daily	Cum.	Daily	Cum.	Daily			Cum.			
							Total	Clipped		Unclip	Total	Clipped						Unclip	Total	Clipped		Unclip		
1	60,700													0	6,569			5	0	5	145			
2	71,100													0	6,569			1	0	1	146			
3	85,200	60.0	28.4	31.6	48	<1.0								0	6,569			2	0	2	148			
4	91,000	60.4	30.3	30.1	48	<1.0								0	6,569			1	0	1	149			
5	98,200	61.1	32.7	28.4	48	<1.0								0	6,569			0	0	0	149			
6	96,000	61.0	33.6	27.4	48	<1.0								0	6,569			0	0	0	149			
7	91,400	60.8	33.5	27.3	48	<1.0								0	6,569			1	0	1	150			
8	86,000													0	6,569			0	0	0	150			
9	78,300													0	6,569			2	0	2	152			
10	70,600	60.0			46	<1.0								0	6,569			7	0	7	159			
11	65,200	59.8			46	<1.0								0	6,569			17	0	17	176			
12	60,300	59.0			48	<1.0								0	6,569			37	1	36	213			
13	55,600	59.0			48	<1.0								0	6,569			24	0	24	237			
14	52,000	58.6			46	<1.0								0	6,569			20	0	20	257			
15	47,000													0	6,569			6	0	6	263			
16	44,000													0	6,569			8	0	8	271			
17	46,500	57.7	21.4	36.3	44	1.3								0	6,569			5	0	5	276			
18	60,500	58.6	24.7	33.9	44	1.3								2	6,571			1	0	1	277			
19	65,600	59.2	27.1	32.1	42	<1.0								0	6,571			1	0	1	278			
20	63,000	59.2	27.4	31.8	42	<1.0								0	6,571			3	0	3	281			
21	65,700	59.5	28.1	31.4	41	<1.0								0	6,571			2	0	2	283			
22	67,200													0	6,571			3	0	3	286			
23	60,600													0	6,571			4	0	4	290			
24	60,000	59.2	27.0	32.2	41	<1.0								0	6,571			11	0	11	301			
25	57,000													0	6,571			3	0	3	304			
26	57,000	58.9	26.7	32.2	41	<1.0								0	6,571			8	0	8	312			
27	55,600													0	6,571			23	0	23	335			
28	52,400													0	6,571			37	0	37	372			
29	47,300													0	6,571			40	2	38	412			
30	41,500													0	6,571			26	1	25	438			
31	36,000	57.2	21.0	36.2	42	1.0								0	6,571			24	0	24	462			