

WILLAMETTE FALLS FISHWAY COUNTS

Month February

Year 2011

Date	Hydrological Data						Spring 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	0	Total	Clipped	Unclip		Daily	Cum.	Daily	Cum.	Total	Clipped	Unclip	2,134	
1	26,000	56.4	17.1	39.3	44	2.0	0	0	0	0									72	5	67	2,206	
2	22,000	55.8	15.9	39.9	44	2.2	0	0	0	0									45	0	45	2,251	
3	20,000	55.5	15.3	40.2	42	2.4	0	0	0	0									17	2	15	2,268	
4	19,000	55.2	14.7	40.5	42	2.5	0	0	0	0									9	0	9	2,277	
5	18,000	55.2	14.5	40.7	42	2.6	0	0	0	0									14	0	14	2,291	
6	15,000						0	0	0	0									37	2	35	2,328	
7	15,000	55.0	13.2	41.8	44	3.8	0	0	0	0									90	1	89	2,418	
8	14,400	54.3	14.3	40.0	44	3.8	0	0	0	0									123	1	122	2,541	
9	14,300	54.3	13.8	40.5	45	3.7	0	0	0	0									77	1	76	2,618	
10	14,000	54.3	13.9	40.4	45	3.7	0	0	0	0									42	0	42	2,660	
11	13,000	54.3	13.0	41.3	45	4.2	0	0	0	0									18	0	18	2,678	
12	13,000						0	0	0	0									16	2	14	2,694	
13	13,000						0	0	0	0									17	2	15	2,711	
14	14,000	54.3	13.1	41.2	43	3.2	0	0	0	0									21	2	19	2,732	
15	15,000						0	0	0	0									39	1	38	2,771	
16	32,000	56.4	15.6	40.8	43	1.8	0	0	0	0									70	2	68	2,841	
17	37,000	56.9	20.0	36.9	43	1.6	0	0	0	0									10	1	9	2,851	
18	29,600	56.8	19.7	37.1	43	1.0	0	0	0	0									11	4	7	2,862	
19	26,000						0	0	0	0									16	2	14	2,878	
20	23,400						0	0	0	0									45	4	41	2,923	
21	20,300						0	0	0	0									30	2	28	2,953	
22	18,500	55.6	15.0	40.6	41	1.8	0	0	0	0									59	7	52	3,012	
23	18,000	55.4	15.0	40.4	41	1.6	0	0	0	0									62	7	55	3,074	
24	18,000	55.4	14.6	40.8	41	2.8	0	0	0	0									40	8	32	3,114	
25	18,300	55.4	14.8	40.6	41	3.0	1	1	0	1									20	1	19	3,134	
26	17,000						0	0	0	1									5	1	4	3,139	
27	16,000						0	0	0	1									2	1	1	3,141	
28	16,000	55.1	14.0	41.1	39	2.5	0	0	0	1									5	2	3	3,146	

WILLAMETTE FALLS FISHWAY COUNTS

Month March Year 2011

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	31,400	56.9	16.7	40.2	39	<1.0	0	0	0	1							0	0	0	3,146	1	1	0	1
2	48,000	58.3	23.7	34.6	40	<1.0	0	0	0	1							-3	0	-3	3,143	0	0	0	1
3	43,000	58.4	24.6	33.8	42	<1.0	0	0	0	1							5	0	5	3,148	2	2	0	3
4	36,500	57.8	23.3	34.5	42	<1.0	0	0	0	1							14	0	14	3,162	0	0	0	3
5	34,400						0	0	0	1							76	0	76	3,238	2	2	0	5
6	40,000						0	0	0	1							115	0	115	3,353	4	4	0	9
7	37,000	57.4	22.1	35.3	44	1.3	0	0	0	1							164	0	164	3,517	7	7	0	16
8	31,000	57.0	20.6	36.4	45	1.5	0	0	0	1							273	0	273	3,790	12	12	0	28
9	28,600	56.8	19.5	37.3	45	1.5	0	0	0	1							218	0	218	4,008	30	30	0	58
10	29,300	57.0	19.9	37.1	46	1.6	0	0	0	1							324	0	324	4,332	59	59	0	117
11	47,400	58.1	23.2	34.9	46	1.6	0	0	0	1							122	0	122	4,454	20	20	0	137
12	47,300						0	0	0	1							49	0	49	4,503	3	3	0	140
13	42,000						0	0	0	1							68	0	68	4,571	6	6	0	146
14	42,000	57.9	22.5	35.4	46	<1.0	0	0	0	1							70	0	70	4,641	23	23	0	169
15	46,000	58.3	23.9	34.4	46	<1.0	0	0	0	1							65	0	65	4,706	7	7	0	176
16	46,200	58.5	24.4	34.1	48	<1.0	0	0	0	1							15	0	15	4,721	7	7	0	183
17	61,000						0	0	0	1							13	0	13	4,734	6	6	0	189
18	60,000						0	0	0	1							0	0		4,734	0	0	0	189
19	50,000						0	0	0	1							4	0	4	4,738	1	1	0	190
20	43,000						0	0	0	1							46	0	46	4,784	7	7	0	197
21	37,000	57.7	22.2	35.5	46	1.4	0	0	0	1							83	0	83	4,867	31	31	0	228
22	33,000	57.2	20.6	36.6	46	1.6	1	0	1	2							95	0	95	4,962	30	30	0	258
23	31,000	56.8	20.1	36.7	47	1.8	1	1	0	3							118	0	118	5,080	70	70	0	328
24	28,000	56.8	19.0	37.8	48	2.0	0	0	0	3							51	0	51	5,131	39	39	0	367
25	26,000	56.8	18.1	38.7	48	2.3	1	1	0	4							38	0	38	5,169	22	22	0	389
26	28,000						2	1	1	6							46	0	46	5,215	38	38	0	427
27	28,000						2	2	0	8							28	0	28	5,243	40	40	0	467
28	30,000	56.9	18.0	38.9	48	2.3	6	5	1	14							35	0	35	5,278	50	50	0	517
29	33,000	56.9	19.1	37.8	48	2.3	2	2	0	16							45	0	45	5,323	35	35	0	552
30	39,000	56.9	19.6	37.3	48	1.8	2	1	1	18							84	0	84	5,407	45	45	0	597
31	43,400	57.8	21.7	36.1	49	1.6	0	0	0	18							161	0	161	5,568	57	57	0	654

Cumulative Adult Spring Chinook Mark Rate: 77.8%

WILLAMETTE FALLS FISHWAY COUNTS

Month April Year 2011

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	47,500	57.9	23.1	34.8	49	1.7	1	1	0	19	0	0	0	0			148	0	148	5,716	51	51	0	705
2	45,000						0	0	0	19	0	0	0	0			170	0	170	5,886	86	86	0	791
3	46,000						4	4	0	23	0	0	0	0			105	0	105	5,991	80	80	0	871
4	43,200	57.5	21.9	35.6	50	2.3	5	3	2	28	0	0	0	0			60	0	60	6,051	57	57	0	928
5	40,000	57.2	21.1	36.1	50	2.4	1	1	0	29	0	0	0	0			27	0	27	6,078	30	30	0	958
6	47,000	57.6	22.1	35.5	50	2.5	1	1	0	30	0	0	0	0			42	0	42	6,120	47	47	0	1,005
7	49,000	57.8	23.1	34.7	48	2.3	3	3	0	33	0	0	0	0			19	0	19	6,139	37	37	0	1,042
8	47,500	57.8	23.1	34.7	48	2.3	1	1	0	34	0	0	0	0			3	0	3	6,142	33	33	0	1,075
9	43,300						3	1	2	37	0	0	0	0			20	0	20	6,162	33	33	0	1,108
10	39,000						5	3	2	42	0	0	0	0			25	0	25	6,187	57	57	0	1,165
11	36,000	56.8	20.1	36.7	47	2.7	5	3	2	47	0	0	0	0			5	0	5	6,192	92	92	0	1,257
12	35,500	56.8	19.4	37.4	48	3.0	14	9	5	61	0	0	0	0			22	0	22	6,214	44	44	0	1,301
13	34,000	56.8	19.2	37.6	50	3.4	16	13	3	77	0	0	0	0			19	0	19	6,233	30	30	0	1,331
14	32,000						12	8	4	89	0	0	0	0			13	0	13	6,246	31	31	0	1,362
15	32,000						39	27	12	128	0	0	0	0			9	0	9	6,255	44	44	0	1,406
16	41,000						9	6	3	137	0	0	0	0			16	0	16	6,271	14	14	0	1,420
17	57,000						6	4	2	143	0	0	0	0			30	0	30	6,301	16	16	0	1,436
18	65,000	58.8	25.4	33.4	48	1.5	1		1	144	0	0	0	0			9	0	9	6,310	5	5	0	1,441
19	61,000	58.8	25.7	33.1	48	1.5	2	1	1	146	0	0	0	0			21	0	21	6,331	13	13	0	1,454
20	50,000	58.3	24.3	34.0	49	1.6	8	6	2	154	0	0	0	0			58	0	58	6,389	48	48	0	1,502
21	41,300	57.5	21.7	35.8	49	2.3	8	4	4	162	0	0	0	0			45	0	45	6,434	77	77	0	1,579
22	35,400	56.9	20.2	36.7	50	2.5	6	5	1	168	0	0	0	0			39	0	39	6,473	49	49	0	1,628
23	30,000						11	6	5	179	0	0	0	0			13	0	13	6,486	66	66	0	1,694
24	26,300						109	73	36	288	2	2	0	2			19	0	19	6,505	63	63	0	1,757
25	25,500	55.9	17.3	38.6	50	4.2	764	532	232	1,052	7	6	1	9			37	0	37	6,542	126	126	0	1,883
26	30,400	56.7	17.4	39.3	51	3.9	588	392	196	1,640	2	2	0	11			33	0	33	6,575	188	188	0	2,071
27	37,000	56.9	19.0	37.9	51	2.6	188	123	65	1,828	0	0	0	11			20	0	20	6,595	46	46	0	2,117
28	37,000	56.9	19.6	37.3	50	2.5	110	60	50	1,938	0	0	0	11			30	0	30	6,625	87	87	0	2,204
29	36,000	56.8	19.4	37.4	49	2.8	42	21	21	1,980	0	0	0	11			15	0	15	6,640	61	61	0	2,265
30	34,300						32	21	11	2,012	0	0	0	11			12	0	12	6,652	54	54	0	2,319

Cumulative Adult Spring Chinook Mark Rate: 66.9%

WILLAMETTE FALLS FISHWAY COUNTS

Month May Year 2011

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	2,012	Total	Clipped	Unclip	11			Total	Clipped	Unclip		6,652	Total	Clipped	Unclip
1	33,200						40	28	12	2,052	1	1	0	12			11	0	11	6,663	61	61	0	2,380
2	31,200	56.8	18.4	38.4	50	3.3	253	141	112	2,305	1	1	0	13			19	0	19	6,682	108	108	0	2,488
3	31,000	56.7	17.5	39.2	50	4.0	480	341	139	2,785	1	1	0	14			41	0	41	6,723	143	143	0	2,631
4	27,000	56.5	17.2	39.3	52	4.3	941	615	326	3,726	10	9	1	24			38	0	38	6,761	140	140	0	2,771
5	25,000	56.3	16.7	39.6	53	4.5	2037	1,396	641	5,763	42	33	9	66			65	0	65	6,826	201	201	0	2,972
6	23,400	56.0	16.1	39.9	53	4.6	1549	1,104	445	7,312	42	29	13	108			68	0	68	6,894	186	186	0	3,158
7	24,000						1306	891	415	8,618	27	20	7	135			27	0	27	6,921	193	193	0	3,351
8	25,000						640	462	178	9,258	10	10	0	145			12	0	12	6,933	98	98	0	3,449
9	25,500	56.2	16.3	39.9	51	5.2	348	219	129	9,606	10	7	3	155			5	0	5	6,938	137	137	0	3,586
10	25,500	56.3	16.8	39.5	51	5.4	195	129	66	9,801	6	5	1	161			17	0	17	6,955	172	172	0	3,758
11	25,000	56.2	16.6	39.6	52	4.8	175	112	63	9,976	6	6	0	167			5	0	5	6,960	87	87	0	3,845
12	25,400	56.2	16.4	39.8	52	5.2	562	362	200	10,538	21	15	6	188			12	0	12	6,972	142	142	0	3,987
13	27,000	56.2	16.7	39.5	53	5.4	651	449	202	11,189	19	16	3	207			36	0	36	7,008	167	167	0	4,154
14	29,000						658	441	217	11,847	18	16	2	225			30	0	30	7,038	136	136	0	4,290
15	31,000						1021	729	292	12,868	21	13	8	246			58	0	58	7,096	299	299	0	4,589
16	31,200	56.7	18.2	38.5	51	5.2	311	207	104	13,179	9	7	2	255			28	0	28	7,124	164	164	0	4,753
17	31,300	56.8	19.2	37.6	51	5.2	34	17	17	13,213	3	3	0	258			32	0	32	7,156	147	147	0	4,900
18	27,500	56.6	19.4	37.2	53	5.8	139	110	29	13,352	7	6	1	265			48	0	48	7,204	234	234	0	5,134
19	25,000	56.3	18.9	37.4	53	6.2	549	379	170	13,901	20	17	3	285			53	0	53	7,257	242	242	0	5,376
20	22,000						1118	689	429	15,019	25	20	5	310			37	0	37	7,294	329	329	0	5,705
21	22,000						967	692	275	15,986	38	30	8	348			30	0	30	7,324	322	322	0	6,027
22	22,000						540	363	177	16,526	20	18	2	368			33	0	33	7,357	206	206	0	6,233
23	22,000	55.7	17.8	37.9	57	6.0	549	414	135	17,075	31	28	3	399			12	0	12	7,369	227	227	0	6,460
24	21,500	55.7	18.0	37.7	57	6.2	355	291	64	17,430	17	13	4	416			3	0	3	7,372	162	162	0	6,622
25	22,000	55.7	17.9	37.8	58	6.6	239	157	82	17,669	10	10	0	426			1	0	1	7,373	120	120	0	6,742
26	24,300	55.9	18.4	37.5	57	6.6	837	596	241	18,506	27	18	9	453			18	0	18	7,391	423	423	0	7,165
27	28,000						331	252	79	18,837	18	18	0	471			8	0	8	7,399	152	152	0	7,317
28	30,500						64	46	18	18,901	4	4	0	475			23	0	23	7,422	178	178	0	7,495
29	33,000						17	9	8	18,918	0	0	0	475			10	0	10	7,432	198	198	0	7,693
30	34,000						25	17	8	18,943	2	2	0	477			8	0	8	7,440	196	196	0	7,889
31	34,000	57.0	20.5	36.5	50	3.8	28	22	6	18,971	3	3	0	480			1	0	1	7,441	213	213	0	8,102

Cumulative Adult Spring Chinook Mark Rate: 68.7%

WILLAMETTE FALLS FISHWAY COUNTS

Month June Year 2011

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				
1	35,000	57.0	20.6	36.4	50	3.8	41	27	14	19,012	5	5	485	0	0					241	230	11	8,343
2	38,000	57.0	21.2	35.8	52	3.7	54	39	15	19,066	3	3	488	0	0					199	184	15	8,542
3	38,000	57.0	21.1	35.9	53	3.5	61	47	14	19,127	2	2	490	0	0					274	259	15	8,816
4	35,500						176	112	64	19,303	10	7	500	0	0					319	299	20	9,135
5	32,000						1415	1,053	362	20,718	53	49	553	0	0					490	475	15	9,625
6	30,400	56.8	20.1	36.7	58	3.8	1655	1,157	498	22,373	65	55	618	5	5					408	383	25	10,033
7	30,000	56.7	19.8	36.9	58	4.0	951	617	334	23,324	35	26	653	1	6					359	335	24	10,392
8	28,200	56.5	19.5	37.0	58	4.6	585	397	188	23,909	19	14	672	2	8					277	260	17	10,669
9	25,200	56.2	19.0	37.2	57	4.8	646	465	181	24,555	18	16	690	3	11					282	261	21	10,951
10	24,000	56.0	18.4	37.6	57	4.8	618	467	151	25,173	23	20	713	0	11					366	352	14	11,317
11	23,000						987	730	257	26,160	43	40	756	2	13					326	319	7	11,643
12	22,000						741	534	207	26,901	32	32	788	3	16					344	329	15	11,987
13	21,500	55.6	17.8	37.8	58	5.3	542	412	130	27,443	22	20	810	8	24					242	234	8	12,229
14	21,300						348	261	87	27,791	19	19	829	8	32					244	235	9	12,473
15	20,400						423	319	104	28,214	18	17	847	8	40					240	229	11	12,713
16	20,100						761	591	170	28,975	19	18	866	19	59					298	288	10	13,011
17	19,600						1012	763	249	29,987	28	18	894	49	108					233	220	13	13,244
18	18,700						866	618	248	30,853	18	16	912	37	145					276	261	15	13,520
19	18,000						725	534	191	31,578	20	17	932	33	178					211	204	7	13,731
20	18,000	55.1	16.4	38.7	60	5.7	559	404	155	32,137	10	6	942	43	221					171	158	13	13,902
21	17,500	55.0	15.8	39.2	60	5.7	530	374	156	32,667	9	6	951	33	254					162	145	17	14,064
22	17,300	54.8	15.5	39.3	60	5.9	470	348	122	33,137	7	7	958	42	296					197	182	15	14,261
23	16,600	54.6	15.9	38.7	60	6.0	683	504	179	33,820	18	16	976	74	370					274	254	20	14,535
24	16,000	54.6	15.6	39.0	63	6.7	659	442	217	34,479	19	17	995	60	430					271	251	20	14,806
25	16,000						784	546	238	35,263	20	16	1,015	105	535					335	320	15	15,141
26	16,000						619	464	155	35,882	18	18	1,033	92	627					326	316	10	15,467
27	15,200	54.1	15.4	38.7	63	6.0	605	434	171	36,487	21	18	1,054	90	717					267	254	13	15,734
28	15,000	54.1	15.2	38.9	63	6.0	552	376	176	37,039	11	10	1,065	126	843					237	218	19	15,971
29	15,000	54.0	14.8	39.2	62	6.5	444	312	132	37,483	6	5	1,071	78	921					178	164	14	16,149
30	15,000	53.9	14.6	39.3	62	6.5	469	329	140	37,952	25	19	1,096	83	1,004					231	213	18	16,380

Cumulative Adult Spring Chinook Mark Rate: 70.4%

WILLAMETTE FALLS FISHWAY COUNTS

Month July Year 2011

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					
1	14,500	53.6	14.5	39.1	62	6.7	243	173	70	38,195	4	3	1	1,100	89	1,093					172	160	12	16,552
2	13,500						197	151	46	38,392	7	5	2	1,107	67	1,160					183	169	14	16,735
3	12,500						203	140	63	38,595	6	4	2	1,113	103	1,263					275	248	27	17,010
4	12,300						214	149	65	38,809	8	4	4	1,121	80	1,343					180	164	16	17,190
5	12,000	53.0	14.2	38.8	66	6.5	245	165	80	39,054	11	10	1	1,132	106	1,449					221	203	18	17,411
6	13,000	52.9	13.6	39.3	68	6.6	327	230	97	39,381	8	7	1	1,140	97	1,546					256	230	26	17,667
7	12,300	53.0	13.5	39.5	68	6.8	549	350	199	39,930	25	22	3	1,165	90	1,636					223	201	22	17,890
8	11,600	55.8	11.8	44.0	69	6.8	442	315	127	40,372	17	16	1	1,182	58	1,694					173	155	18	18,063
9	11,000						227	166	61	40,599	21	18	3	1,203	83	1,777					290	271	19	18,353
10	11,000						253	160	93	40,852	17	13	4	1,220	54	1,831					237	222	15	18,590
11	10,200	55.9	11.9	44.0	69	5.3	194	128	66	41,046	8	6	2	1,228	103	1,934					182	160	22	18,772
12	10,000	55.8	11.6	44.2	69	5.3	150	111	39	41,196	9	6	3	1,237	140	2,074					161	144	17	18,933
13	10,200						109	79	30	41,305	9	5	4	1,246	104	2,178					169	154	15	19,102
14	10,200						124	86	38	41,429	8	5	3	1,254	134	2,312					167	158	9	19,269
15	10,000						164	107	57	41,593	17	15	2	1,271	104	2,416					191	186	5	19,460
16	10,000						137	92	45	41,730	6	3	3	1,277	96	2,512					134	121	13	19,594
17	10,300						107	76	31	41,837	7	7	0	1,284	8	2,520					139	130	9	19,733
18	11,000	55.8	12.2	43.6	67	6.8	110	68	42	41,947	9	8	1	1,293	93	2,613					122	115	7	19,855
19	10,600	55.7	12.4	43.3	67	6.8	72	51	21	42,019	6	5	1	1,299	47	2,660					70	61	9	19,925
20	11,000						94	69	25	42,113	8	5	3	1,307	37	2,697					44	38	6	19,969
21	13,000						197	123	74	42,310	9	8	1	1,316	83	2,780					86	80	6	20,055
22	12,000						125	93	32	42,435	14	9	5	1,330	90	2,870					100	90	10	20,155
23	11,000						130	93	37	42,565	3	3	0	1,333	104	2,974					99	85	14	20,254
24	10,400						98	68	30	42,663	4	4	0	1,337	66	3,040					94	82	12	20,348
25	10,100						47	24	23	42,710	1	0	1	1,338	49	3,089					50	39	11	20,398
26	9,700	55.7	10.2	45.5	68	5.4	169	99	70	42,879	8	4	4	1,346	78	3,167					71	63	8	20,469
27	9,500	55.7	10.1	45.6	68	6.4	261	156	105	43,140	16	12	4	1,362	28	3,195					80	72	8	20,549
28	9,200	55.8	10.2	45.6	68	7.8	164	95	69	43,304	5	3	2	1,367	33	3,228					61	53	8	20,610
29	9,000	55.8	9.7	46.1	69	7.8	115	81	34	43,419	6	4	2	1,373	40	3,268					56	49	7	20,666
30	8,800						74	45	29	43,493	5	3	2	1,378	43	3,311					51	45	6	20,717
31	8,500						50	33	17	43,543	3	1	2	1,381	23	3,334					23	18	5	20,740

Cumulative Adult Spring Chinook Mark Rate: 70.0%

WILLAMETTE FALLS FISHWAY COUNTS

Month August

Ye 2011

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.	Daily		Cum.			
							Total	Clipped	Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip		
1	8,500	55.8	9.6	46.2	72	7.4	20	11	9	43,563	1	1	0	1,382	24	3,358				16	10	6	20,756
2	8,300	55.8	9.7	46.1	72	7.4	21	10	11	43,584	1	0	1	1,383	26	3,384				15	12	3	20,771
3	8,300	55.7	9.6	46.1	73	7.7	17	9	8	43,601	3	2	1	1,386	22	3,406				16	12	4	20,787
4	8,200	55.8	9.1	46.7	73	7.7	30	15	15	43,631	0	0	0	1,386	40	3,446				15	14	1	20,802
5	8,100	55.8	8.9	46.9	74	7.4	9	4	5	43,640	2	2	0	1,388	5	3,451				12	7	5	20,814
6	7,900						3	1	2	43,643	0	0	0	1,388	7	3,458				9	7	2	20,823
7	7,900						11	6	5	43,654	0	0	0	1,388	27	3,485				14	10	4	20,837
8	8,100	55.8	8.6	47.2	73	7.1	4	2	2	43,658	0	0	0	1,388	10	3,495				5	3	2	20,842
9	8,100	55.8	8.4	47.4	73	7.1	10	5	5	43,668	4	4	0	1,392	23	3,518				19	13	6	20,861
10	7,900	55.8	8.3	47.5	72	7.2	8	2	6	43,676	0	0	0	1,392	10	3,528				5	5	0	20,866
11	7,800	55.8	9.1	46.7	72	7.2	19	8	11	43,695	3	2	1	1,395	24	3,552				31	26	5	20,897
12	7,900	55.8	7.6	48.2	70	7.5	9	3	6	43,704	1	1	0	1,396	18	3,570				28	23	5	20,925
13	7,800						15	8	7	43,719	2	0	2	1,398	14	3,584				19	14	5	20,944
14	7,900						16	4	12	43,735	0	0	0	1,398	1	3,585				35	30	5	20,979
15	8,000	55.8	7.2	48.6	70	7.3	13	2	11	43,748	1	1	0	1,399	1	3,586				16	11	5	20,995
16	7,900	55.8	7.0	48.8	70	7.3	18	3	15	18	2	1	1	2	9	3,595				27	22	5	21,022
17	7,900	55.7	6.8	48.9	70	7.6	10	3	7	28	0	0	0	2	9	3,604				13	10	3	21,035
18	7,800						12	1	11	40	0	0	0	2	0	3,604				14	10	4	21,049
19	7,600	55.7	9.1	46.6	70	7.6	7	0	7	47	1	0	1	3	5	3,609				5	5	0	21,054
20	7,600						14	1	13	61	1	0	1	4	2	3,611				13	8	5	21,067
21	7,600						7	1	6	68	3	0	3	7	0	3,611				7	5	2	21,074
22	7,600	55.8	9.1	46.7	71	7.3	10	0	10	78	0	0	0	7	1	3,612				5	3	2	21,079
23	7,700	55.7	7.8	47.9	71	7.3	1	0	1	79	0	0	0	7	1	3,613				4	2	2	21,083
24	7,400	55.8	9.1	46.7	71	7.3	3	0	3	82	2	1	1	9	0	3,613				9	3	6	21,092
25	7,700	55.8	8.9	46.9	71	7.3	5	0	5	87	2	1	1	11	2	3,615				5	4	1	21,097
26	7,800	55.8	9.0	46.8	72	7.5	5	1	4	92	2	1	1	13	0	3,615				5	4	1	21,102
27	8,000						2	0	2	94	5	0	5	18	2	3,617				2	1	1	21,104
28	8,100						2	1	1	96	1	0	1	19	0	3,617				0	0	0	21,104
*29	8,150	55.8	9.3	46.5	74	7.3	0	0	0	96	0	0	0	19	0	3,617				1	1	0	21,105
*30	8,200	55.8	9.5	46.3	75	7.3	-	-	-	96	-	-	-	19	--	3,617				-	-	-	21,082
*31	8,100	55.8	9.5	46.3	75	7.4	-	-	-	96	-	-	-	19	--	3,617				-	-	-	21,082

ntenance shutdown

WILLAMETTE FALLS FISHWAY COUNTS

Month September

Year 2011

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.	Total		Cum.	Total
*1	8,200	55.8			75	7.4	-	-	-	96	-	-	-	19	--	3,617	-	75	-	140	-	-	-	21,082
2	8,900	55.8	9.3	46.5	75	7.4	8	0	8	104	3	0	3	22	1	3,618	1	76	2	142	14	6	8	21,096
3	8,800						11	1	10	115	5	0	5	27	0	3,618	1	77	3	145	20	6	14	21,116
4	8,800						19	0	19	134	6	0	6	33	0	3,618	6	83	8	153	8	4	4	21,124
5	9,100						30	3	27	164	9	0	9	42	2	3,620	2	85	13	166	6	3	3	21,130
6	9,300	55.7	9.9	45.8	67	7.2	11	0	11	175	6	0	6	48	0	3,620	2	87	10	176	10	6	4	21,140
7	9,600	55.7	10.4	45.3	68	7.2	28	3	25	203	4	1	3	52	0	3,620	13	100	17	193	9	5	4	21,149
8	10,000	55.7	10.6	45.1	68	7.2	16	1	15	219	11	1	10	63	0	3,620	8	108	15	208	7	3	4	21,156
9	10,100	55.8	10.8	45.0	68	7.3	35	2	33	254	11	1	10	74	0	3,620	18	126	18	226	6	3	3	21,162
10	9,800						39	4	35	293	15	3	12	89	0	3,620	13	139	18	244	5	1	4	21,167
11	10,000						37	6	31	330	14	2	12	103	0	3,620	18	157	17	261	8	3	5	21,175
12	10,200	55.7	10.5	45.2	69	7.2	21	3	18	351	8	0	8	111	0	3,620	8	165	11	272	5	1	4	21,180
13	10,200	55.7	10.6	45.1	69	7.2	53	4	49	404	14	0	14	125	2	3,622	19	184	28	300	8	5	3	21,188
14	10,300	55.7	10.6	45.1	70	7.3	34	5	29	438	6	2	4	131	0	3,622	11	195	19	319	5	2	3	21,193
15	10,300	55.8	10.5	45.3	70	7.3	30	2	28	468	4	0	4	135	1	3,623	12	207	23	342	9	5	4	21,202
16	10,200						20	3	17	488	1	0	1	136	0	3,623	18	225	18	360	8	5	3	21,210
17	10,300						55	5	50	543	16	0	16	152	2	3,625	32	257	37	397	12	2	10	21,222
18	10,500						42	3	39	585	11	0	11	163	0	3,625	22	279	36	433	10	4	6	21,232
19	10,700	55.7	11.1	44.6	63	7.7	84	6	78	669	29	2	27	192	3	3,628	44	323	56	489	9	4	5	21,241
20	10,600	55.7	11.2	44.5	63	7.7	64	7	57	733	11	1	10	203	1	3,629	78	401	59	548	10	1	9	21,251
21	10,500	55.7	11.2	44.5	62	8.3	62	3	59	795	15	1	14	218	3	3,632	128	529	84	632	10	5	5	21,261
22	10,600	55.7	10.5	45.2	62	8.4	103	15	88	898	11	1	10	229	0	3,632	240	769	128	760	14	2	12	21,275
23	10,500	55.7	10.6	45.1	62	8.4	111	5	106	1,009	11	3	8	240	0	3,632	251	1,020	126	886	16	7	9	21,291
24	10,600						56	3	53	1,065	6	1	5	246	0	3,632	193	1,213	119	1,005	12	2	10	21,303
25	10,600						41	2	39	1,106	4	1	3	250	0	3,632	144	1,357	75	1,080	11	1	10	21,314
26	10,800	55.7	11.4	44.3	65	7.5	51	3	48	1,157	5	1	4	255	0	3,632	168	1,525	111	1,191	5	2	3	21,319
27	11,000	54.6	12.9	41.7	65	7.5	81	4	77	1,238	17	1	16	272	0	3,632	260	1,785	104	1,295	10	2	8	21,329
28	11,700	54.4	12.7	41.7	64	7.4	42	2	40	1,280	4	1	3	276	0	3,632	107	1,892	49	1,344	2	1	1	21,331
29	12,000	55.4	13.1	42.3	64	7.4	53	2	51	1,333	7	0	7	283	0	3,632	125	2,017	70	1,414	4	2	2	21,335
30	12,300	55.7	12.9	42.8	64	7.5	33	1	32	1,366	5	0	5	288	0	3,632	78	2,095	37	1,451	9	2	7	21,344

* Annual maintenance shutdown

WILLAMETTE FALLS FISHWAY COUNTS

Month October Year 2011

Date	Hydrological Data						Fall Chinook									Coho				Steelhead				
							Adult				Jack				Mini Jack		Adult		Jack		Summer			Cum.
	Flow	HW	TW	Diff	Temp	Vis	Daily			Cum.	Daily			Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily			
							Total	Clipped	Unclip		Total	Clipped	Unclip								Total	Cum.	Total	Cum.
1	12,300						78	1	77	1,444	11	0	11	299	0	3,632	175	2,270	49	1,500	8	1	7	21,352
2	12,700						58	0	58	1,502	7	0	7	306	0	3,632	111	2,381	64	1,564	9	3	6	21,361
3	13,000	55.4	13.4	42.0	60	7.2	69	0	69	1,571	12	0	12	318	0	3,632	134	2,515	56	1,620	6	1	5	21,367
4	13,200	55.6	13.6	42.0	60	7.2	52	2	50	1,623	7	0	7	325	0	3,632	91	2,606	59	1,679	6	0	6	21,373
5	13,000	55.3	13.8	41.5	60	6.8	38	0	38	1,661	5	0	5	330	0	3,632	99	2,705	57	1,736	5	1	4	21,378
6	13,400	54.8	13.5	41.3	59	6.8	23	1	22	1,684	3	0	3	333	0	3,632	79	2,784	40	1,776	2	0	2	21,380
7	13,500	54.8	13.8	41.0	59	6.6	20	0	20	1,704	1	0	1	334	0	3,632	27	2,811	10	1,786	3	0	3	21,383
8	13,500						22	0	22	1,726	0	0	0	334	0	3,632	38	2,849	11	1,797	10	0	10	21,393
9	14,000						16	0	16	1,742	2	0	2	336	0	3,632	60	2,909	23	1,820	1	0	1	21,394
10	14,300	54.5	14.1	40.4	58	6.5	12	0	12	1,754	1	0	1	337	0	3,632	60	2,969	15	1,835	2	0	2	21,396
11	14,600	54.7	14.2	40.5	58	6.8	11	0	11	1,765	0	0	0	337	0	3,632	22	2,991	10	1,845	3	0	3	21,399
12	16,000	55.1	14.7	40.4	58	7.2	6	0	6	1,771	1	0	1	338	0	3,632	14	3,005	9	1,854	4	0	4	21,403
13	16,000						20	1	19	1,791	1	0	1	339	0	3,632	58	3,063	21	1,875	6	0	6	21,409
14	15,000	55.5	15.1	40.4	58	7.0	12	1	11	1,803	0	0	0	339	0	3,632	36	3,099	8	1,883	3	1	2	21,412
15	14,600						12	0	12	1,815	0	0	0	339	0	3,632	28	3,127	8	1,891	2	1	1	21,414
16	14,200						8	0	8	1,823	0	0	0	339	0	3,632	19	3,146	10	1,901	6	1	5	21,420
17	14,200	55.5	14.2	41.3	57	6.7	11	0	11	1,834	0	0	0	339	0	3,632	17	3,163	5	1,906	1	0	1	21,421
18	14,000	55.5	14.4	41.1	57	6.7	5	0	5	1,839	0	0	0	339	0	3,632	28	3,191	4	1,910	4	0	4	21,425
19	14,000						5	0	5	1,844	0	0	0	339	0	3,632	11	3,202	3	1,913	2	0	2	21,427
20	13,700	55.5	14.1	41.4	57	7.2	3	0	3	1,847	0	0	0	339	0	3,632	11	3,213	2	1,915	2	0	2	21,429
21	13,700	55.7	14.0	41.7	57	7.2	4	0	4	1,851	0	0	0	339	0	3,632	12	3,225	3	1,918	3	0	3	21,432
22	13,700						0	0	0	1,851	0	0	0	339	0	3,632	3	3,228	2	1,920	1	0	1	21,433
23	13,800						1	0	1	1,852	0	0	0	339	0	3,632	8	3,236	1	1,921	1	0	1	21,434
24	13,800	55.5	13.9	41.6	58	7.0	0	0	0	1,852	0	0	0	339	0	3,632	2	3,238	0	1,921	4	0	4	21,438
25	13,700	55.5	13.9	41.6	58	7.3	0	0	0	1,852	0	0	0	339	0	3,632	2	3,240	2	1,923	5	0	5	21,443
26	13,700	55.5	13.9	41.6	57	7.6	0	0	0	1,852	0	0	0	339	0	3,632	2	3,242	0	1,923	2	1	1	21,445
27	13,400	55.5	13.9	41.6	57	7.6	1	0	1	1,853	0	0	0	339	0	3,632	3	3,245	1	1,924	2	1	1	21,447
28	13,400						0	0	0	1,853	0	0	0	339	0	3,632	0	3,245	0	1,924	3	0	3	21,450
29	13,200						0	0	0	1,853	0	0	0	339	0	3,632	1	3,246	0	1,924	0	0	0	21,450
30	13,300						0	0	0	1,853	0	0	0	339	0	3,632	1	3,247	0	1,924	2	0	2	21,452
31	13,000	55.5	13.7	41.8	53	7.1	1	0	1	1,854	0	0	0	339	0	3,632	4	3,251	0	1,924	2	0	2	21,454

WILLAMETTE FALLS FISHWAY COUNTS

Month November Year 2011

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						
							Total	Clipped		Unclip	Total	Clipped						Unclip	Total	Clipped	Unclip	Total	Clipped	Unclip
1	13,300	55.4	13.9	41.5	53	7.1	1	0	1	1,855	0	0	0	339			7	3,258	0	1,924	1	0	1	1
2	13,100						0	0	0	1,855	0	0	0	339			3	3,261	1	1,925	1	0	1	2
3	13,300	55.5	13.8	41.7	52	7.6	1	0	1	1,856	0	0	0	339			12	3,273	0	1,925	13	2	11	15
4	13,500	55.5	13.8	41.7	52	7.5	0	0	0	1,856	0	0	0	339			5	3,278	0	1,925	5	0	5	20
5	13,000						0	0	0	1,856	0	0	0	339			7	3,285	1	1,926	2	0	2	22
6	13,200						0	0	0	1,856	0	0	0	339			-1	3,284	1	1,927	0	0	0	22
7	13,000	55.4	13.7	41.7	50	7.4	0	0	0	1,856	0	0	0	339			3	3,287	0	1,927	1	0	1	23
8	13,000	55.4	13.7	41.7	50	7.4	0	0	0	1,856	0	0	0	339			0	3,287	1	1,928	3	0	3	26
9	12,800	55.5	13.5	42.0	50	7.3	0	0	0	1,856	0	0	0	339			1	3,288	0	1,928	3	-	-	29
10	12,500	55.4	13.4	42.0	50	7.3	0	0	0	1,856	0	0	0	339			2	3,290	0	1,928	6	0	6	35
11	12,200						0	0	0	1,856	0	0	0	339			0	3,290	0	1,928	3	0	3	38
12	12,000						0	0	0	1,856	0	0	0	339			0	3,290	0	1,928	1	0	1	39
13	11,600						0	0	0	1,856	0	0	0	339			0	3,290	0	1,928	1	0	1	40
14	11,700	55.4	12.7	42.7	50	6.9	0	0	0	1,856	0	0	0	339			1	3,291	0	1,928	6	0	6	46
15	12,000	55.5	12.6	42.9	49	6.9	0	0	0	1,856	0	0	0	339			0	3,291	0	1,928	-1	0	-1	45
16	12,400	55.5	13.5	42.0	49	6.9	0	0	0	1,856	0	0	0	339			2	3,293	0	1,928	2	0	2	47
17	12,600	55.4	13.5	41.9	49	5.9	0	0	0	1,856	0	0	0	339			3	3,296	0	1,928	8	0	8	55
18	19,000	56.2	15.2	41.0	48	5.0	0	0	0	1,856	0	0	0	339			7	3,303	0	1,928	4	0	4	59
19	21,300						0	0	0	1,856	0	0	0	339			28	3,331	11	1,939	11	2	9	70
20	20,200						0	0	0	1,856	0	0	0	339			17	3,348	4	1,943	14	0	14	84
21	17,200	55.9	15.9	40.0	46	3.2	0	0	0	1,856	0	0	0	339			4	3,352	0	1,943	4	0	4	88
22	17,000	55.7	15.6	40.1	46	3.2	0	0	0	1,856	0	0	0	339			7	3,359	2	1,945	16	1	15	104
23	30,600	57.2	18.2	39.0	45	2.2	0	0	0	1,856	0	0	0	339			1	3,360	3	1,948	13	0	13	117
24	37,000						0	0	0	1,856	0	0	0	339			1	3,361	2	1,950	2	0	2	119
25	35,000						0	0	0	1,856	0	0	0	339			4	3,365	3	1,953	12	1	11	131
26	31,500						0	0	0	1,856	0	0	0	339			7	3,372	5	1,958	26	1	25	157
27	28,000						0	0	0	1,856	0	0	0	339			6	3,378	0	1,958	27	1	26	184
28	26,400	56.5	18.9	37.6	47	1.7	0	0	0	1,856	0	0	0	339			6	3,384	3	1,961	45	3	42	229
29	25,500						0	0	0	1,856	0	0	0	339			5	3,389	2	1,963	33	0	33	262
30	23,200	56.5	16.5	40.0	47	2.5	0	0	0	1,856	0	0	0	339			2	3,391	0	1,963	55	2	53	317

