

## WILLAMETTE FALLS FISHWAY COUNTS

Month

January

Year

2017

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.	Total	Clipped	Unclip	Cum.			
							Total	Clipped	Unclip	Total	Clipped	Unclip											
1	29,600																10	0	10	142			
2	29,500																4	0	4	146			
3	28,700	56.5	18.3	38.2	39	3.0											5	0	5	151			
4	25,800	56.2	17.8	38.4	39	3.2											3	0	3	154			
5	24,500	55.8	17.2	38.6	38	3.5											0	0	0	154			
6	20,800	55.8	16.7	39.1	36	3.5											0	0	0	154			
7	19,900																0	0	0	154			
8	19,800																0	0	0	154			
9	23,400	55.7	16.3	39.4	38	3.8											0	0	0	154			
10	47,000	57.1	18.1	39.0	38	3.6											0	0	0	154			
11	57,000																0	0	0	154			
12	57,900	58.7	24.1	34.6	38												0	0	0	154			
13	49,700	58.3	23.6	34.7	38												1	0	1	155			
14	43,400																2	0	2	157			
15	41,900																0	0	0	157			
16	37,900																0	0	0	157			
17	33,800																0	0	0	157			
18	37,500	57.1	19.2	37.9	37	3.5											0	0	0	157			
19	52,100	59.1	23.8	35.3	39	<1.0											0	0	0	157			
20	50,400	59.4	26.8	32.6	40	<1.0											0	0	0	157			
21	43,800																1	0	1	158			
22	40,000																12	0	12	170			
23	39,600	58.2	23	35.2	42	<1.0											20	0	20	190			
24	34,900	57.8	21.7	36.1	42	1.0											11	0	11	201			
25	31,900	57.3	20.4	36.9	42	1.5											9	0	9	210			
26	29,200																9	0	9	219			
27	27,000	57.3	18.7	38.6	41	2.0											6	0	6	225			
28	25,200																5	0	5	230			
29	23,100																4	0	4	234			
30	21,700	56.6	16.8	39.8	41	2.8											2	0	2	236			
31	21,100	56.4	16.4	40.0	42	2.8											5	0	5	241			

**WILLAMETTE FALLS FISHWAY COUNTS**

Month

February

Year

2017

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.	Total	Clipped	Unclip	Cum.	
	Total	Clipped	Unclip	Total	Clipped	Unclip	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Daily	Cum.	Total	Clipped	Unclip	Cum.			
1	20,600	56.2	16	40.2	42	3													2	0	2	243	
2	19,800	56.1	15.7	40.4	40	3.2													3	0	3	246	
3	18,900	55.9	15.4	40.5	40	3.4													0	0	0	246	
4	22,000																		1	0	1	247	
5	35,000																		-1	0	-1	246	
6	74,700	59.9	24.4	35.5	42	<1.0													1	0	1	247	
7	80,100	60.7	30.8	29.9	42	<1.0													3	0	3	250	
8	68,500	60.5	30.5	30.0	41	<1.0													0	0	0	250	
9	69,800	60.5	29.9	30.6	41	<1.0													3	0	3	253	
10	86,800	61.1	32.2	28.9	44	<1.0													4	0	4	257	
11	84,900																		2	0	2	259	
12	72,300																		0	0	0	259	
13	58,600	60.0	28.9	31.1	44	<1.0													6	0	6	265	
14	49,500	59.1	25.7	33.4	44														8	0	8	273	
15	45,200	58.4	23.8	34.6	45														6	0	6	279	
16	53,400	58.8	23.9	34.9	45														21	0	21	300	
17	75,900	60.2	28.2	32.0	45														14	0	14	314	
18	75,000																		5	0	5	319	
19	63,500																		9	0	9	328	
20	59,600																		7	0	7	335	
21	64,900	59.9	28	31.9	47														4	0	4	339	
22	77,100	60.2	29.4	30.8	47														4	0	4	343	
23	80,300	60.6	30.1	30.5	46														0	0	0	343	
24	71,700	60.4	29.6	30.8	43														2	0	2	345	
25	55,200																		3	0	3	348	
26	44,900																		11	0	11	359	
27	40,800	58.2	22.6	35.6	43														16	0	16	375	
28	38,000	57.8	21.4	36.4	43	1.9													11	0	11	386	

**WILLAMETTE FALLS FISHWAY COUNTS**

Month

March

Year 2017

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

**WILLAMETTE FALLS FISHWAY COUNTS**

Month

April

Year

2017

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

Cumulative Adult Spring Chinook Mark Rate: 82.4%

**WILLAMETTE FALLS FISHWAY COUNTS**

Month

May

Year

2017

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	45,500	58.1	22.8	35.3	51	3	4	3	1	21	0	0	0	0	0	0	1	0	1	719	1	1	0	43
2	41,100	57.8	21.5	36.3	51	3.2	7	6	1	28	0	0	0	0	0	0	0	0	719	3	3	0	46	
3	37,100	57.4	20.4	37.0	51	4.0	23	17	6	51	1	1	0	1	0	0	2	0	2	721	4	4	0	50
4	33,600	57.3	19.6	37.7	53	4.2	315	240	75	366	3	3	0	4	0	0	15	0	15	736	9	9	0	59
5	34,300	57.4	18.8	38.6	56	4.8	1570	1,270	300	1,936	66	64	2	70	0	0	11	0	11	747	43	43	0	102
6	36,700						728	553	175	2,664	48	38	10	118	0	0	8	0	8	755	16	16	0	118
7	32,700						115	100	15	2,779	3	3	0	121	0	0	2	0	2	757	17	17	0	135
8	28,700	57.2	18.7	38.5	54	5.3	87	66	21	2,866	3	3	0	124	0	0	2	0	2	759	12	12	0	147
9	27,300	56.9	18.3	38.6	54	5.5	122	89	33	2,988	8	8	0	132	0	0	3	0	3	762	10	10	0	157
10	24,700	56.7	18.1	38.6	56	5.6	180	144	36	3,168	10	10	0	142	0	0	1	0	1	763	8	8	0	165
11	23,700	56.5	17.6	38.9	58	5.6	488	386	102	3,656	25	18	7	167	1	1	6	0	6	769	33	33	0	198
12	24,100	56.5	17.6	38.9	58	5.6	302	244	58	3,958	20	18	2	187	2	3	1	0	1	770	13	13	0	211
13	25,000						114	91	23	4,072	15	13	2	202	0	3	2	0	2	772	14	14	0	225
14	26,900						57	46	11	4,129	5	4	1	207	0	3	3	1	1	773	11	11	0	236
15	30,400	57.0	18.2	38.8	53	5.3	13	11	2	4,142	1	0	1	208	2	5	0	0		773	1	1	0	237
16	29,600	57.1	18.6	38.5	53	5.3	14	10	4	4,156	0	0	0	208	0	5	1	0	1	774	5	5	0	242
17	37,500	57.5	18.9	38.6	51	5.3	18	14	4	4,174	0	0	0	208	0	5	0	0		774	8	8	0	250
18	43,200	57.6	20.8	36.8	53	5.5	15	11	4	4,189	1	1	0	209	0	5	3	0	3	777	6	6	0	256
19	41,200	57.5	21.2	36.3	53	3.8	8	5	3	4,197	0	0	0	209	0	5	3	0	3	780	11	11	0	267
20	36,900						49	36	13	4,246	1	1	0	210	0	5	0	0		780	9	9	0	276
21	33,300	57.4	19.6	37.8	57	4.8	922	746	176	5,168	50	46	4	260	1	6	6	0	6	786	27	27	0	303
22	29,700	57.2	18.5	38.7	58	5.2	3272	2,744	528	8,440	120	102	18	380	11	17	7	0	7	793	59	59	0	362
23	27,700	57.0	17.8	39.2	58	5.3	1547	1,269	278	9,987	98	81	17	478	8	25	10	0	10	803	54	54	0	416
24	26,900	56.8	17.4	39.4	60	5.8	2162	1,818	344	12,149	112	110	2	590	2	27	5	0	5	808	73	73	0	489
25	27,500						987	856	131	13,136	5	4	1	595	2	29	2	0	2	810	46	46	0	535
26	25,900	56.6			60	6.2	1020	853	167	14,156	58	55	3	653	8	37	2	0	2	812	46	46	0	581
27	24,100	56.4			60	6.2	1030	884	146	15,186	86	78	8	739	10	47	7	0	7	819	64	64	0	645
28	22,000						728	613	115	15,914	77	73	4	816	14	61	0	0	0	819	28	28	0	673
29	21,200						517	451	66	16,431	54	52	2	870	14	75	3	0	3	822	26	26	0	699
30	21,500	56.0	16.1	39.9	65	6.6	793	668	125	17,224	83	77	6	953	13	88	0	0	0	822	36	36	0	735
31	21,700	56.0	16.3	39.7	65	6.8	259	223	36	17,483	39	36	3	992	9	97	0	0	0	822	12	12	0	747

Cumulative Adult Spring Chinook Mark Rate: 82.8%

**WILLAMETTE FALLS FISHWAY COUNTS**

Month

June

Year

2017

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	20,100	55.9	16.4	39.5	60	7.5	840	759	81	<b>18,323</b>	75	73	2	<b>1,067</b>	20	<b>117</b>				61	59	2	<b>808</b>
2	17,600	55.6	16.2	39.4	60	7.5	460	394	66	<b>18,783</b>	47	39	8	<b>1,114</b>	14	<b>131</b>				33	32	1	<b>841</b>
3	16,800						594	524	70	<b>19,377</b>	49	48	1	<b>1,163</b>	23	<b>154</b>				36	35	1	<b>877</b>
4	17,600						569	475	94	<b>19,946</b>	69	66	3	<b>1,232</b>	27	<b>181</b>				27	27	0	<b>904</b>
5	17,100	55.4	15.5	39.9	62	7.8	234	201	33	<b>20,180</b>	41	35	6	<b>1,273</b>	9	<b>190</b>				22	21	1	<b>926</b>
6	16,100	54.9	15.9	39.0	64	7.8	316	264	52	<b>20,496</b>	45	40	5	<b>1,318</b>	17	<b>207</b>				37	35	2	<b>963</b>
7	16,000	54.9	15.2	39.7	64	8.0	424	359	65	<b>20,920</b>	57	50	7	<b>1,375</b>	22	<b>229</b>				54	53	1	<b>1,017</b>
8	15,700	55.0	15	40.0	64	7.0	373	309	64	<b>21,293</b>	46	41	5	<b>1,421</b>	19	<b>248</b>				38	36	2	<b>1,055</b>
9	15,900	55.0	15.1	39.9	64	7.0	321	263	58	<b>21,614</b>	55	48	7	<b>1,476</b>	17	<b>265</b>				25	23	2	<b>1,080</b>
10	17,300						131	115	16	<b>21,745</b>	15	15		<b>1,491</b>	3	<b>268</b>				10	10	0	<b>1,090</b>
11	17,200						62	51	11	<b>21,807</b>	10	8	2	<b>1,501</b>	1	<b>269</b>				11	8	3	<b>1,101</b>
12	17,300	54.9	15.6	39.3	60	6.8	198	162	36	<b>22,005</b>	11	11		<b>1,512</b>	3	<b>272</b>				14	12	2	<b>1,115</b>
13	16,700	54.9	15	39.9	60	6.8	326	275	51	<b>22,331</b>	14	11	3	<b>1,526</b>	4	<b>276</b>				35	35	0	<b>1,150</b>
14	16,400	54.9	14.2	40.7	58	7.0	362	295	67	<b>22,693</b>	23	22	1	<b>1,549</b>	5	<b>281</b>				26	25	1	<b>1,176</b>
15	16,000	54.9	14.2	40.7	58	7.0	434	369	65	<b>23,127</b>	35	32	3	<b>1,584</b>	16	<b>297</b>				36	34	2	<b>1,212</b>
16	15,800	54.9	14.3	40.6	58	6.8	518	438	80	<b>23,645</b>	40	34	6	<b>1,624</b>	11	<b>308</b>				40	39	1	<b>1,252</b>
17	16,200						478	409	69	<b>24,123</b>	23	22	1	<b>1,647</b>	3	<b>311</b>				43	42	1	<b>1,295</b>
18	16,200						521	424	97	<b>24,644</b>	20	19	1	<b>1,667</b>	6	<b>317</b>				38	38	0	<b>1,333</b>
19	15,500	54.9	14	40.9	60	6.5	631	532	99	<b>25,275</b>	41	36	5	<b>1,708</b>	13	<b>330</b>				48	45	3	<b>1,381</b>
20	14,300	54.9	13.5	41.4	62	6.5	654	549	105	<b>25,929</b>	42	36	6	<b>1,750</b>	7	<b>337</b>				35	33	2	<b>1,416</b>
21	14,300	54.8	13	41.8	66	7.2	718	593	125	<b>26,647</b>	50	42	8	<b>1,800</b>	7	<b>344</b>				20	20	0	<b>1,436</b>
22	13,500	54.8	12.9	41.9	68	7.4	317	253	64	<b>26,964</b>	26	23	3	<b>1,826</b>	5	<b>349</b>				14	12	2	<b>1,450</b>
23	12,700	54.6	12.6	42.0	69	7.6	417	336	81	<b>27,381</b>	42	32	10	<b>1,868</b>	9	<b>358</b>				31	29	2	<b>1,481</b>
24	12,100						502	403	99	<b>27,883</b>	39	33	6	<b>1,907</b>	1	<b>359</b>				24	24	0	<b>1,505</b>
25	11,600						671	573	98	<b>28,554</b>	16	15	1	<b>1,923</b>	42	<b>401</b>				33	31	2	<b>1,538</b>
26	11,000	54.7	12	42.7	70	6.8	533	465	68	<b>29,087</b>	28	28	0	<b>1,951</b>	61	<b>462</b>				22	21	1	<b>1,560</b>
27	10,600	55.4	12.4	43.0	71	6.8	419	366	53	<b>29,506</b>	14	12	2	<b>1,965</b>	64	<b>526</b>				28	28	0	<b>1,588</b>
28	10,400	54.6	12.6	42.0	72	6.8	183	150	33	<b>29,689</b>	16	14	2	<b>1,981</b>	1	<b>527</b>				15	15	0	<b>1,603</b>
29	10,500	54.8	12.7	42.1	72	7.0	235	197	38	<b>29,924</b>	11	10	1	<b>1,992</b>	0	<b>527</b>				13	12	1	<b>1,616</b>
30	10,400	54.1	12.6	41.5	72	7.0	322	258	64	<b>30,246</b>	39	33	6	<b>2,031</b>	12	<b>539</b>				17	16	1	<b>1,633</b>

Cumulative Adult Spring Chinook Mark Rate: 83.5%

**WILLAMETTE FALLS FISHWAY COUNTS**

Month July Year 2017

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	10,200						293	240	53	<b>30,539</b>	44	40	4	<b>2,075</b>	42	<b>581</b>					19	18	1	<b>1,652</b>
2	10,100						204	181	23	<b>30,743</b>	21	20	1	<b>2,096</b>	41	<b>622</b>					26	25	1	<b>1,678</b>
3	10,000	54.2	12.3	41.9	70	7.0	276	233	43	<b>31,019</b>	12	11	1	<b>2,108</b>	65	<b>687</b>					37	36	1	<b>1,715</b>
4	9,580						232	178	54	<b>31,251</b>	29	27	2	<b>2,137</b>	48	<b>735</b>					19	19	0	<b>1,734</b>
5	9,510	54.1	11.9	42.2	71	7.2	155	107	48	<b>31,406</b>	22	18	4	<b>2,159</b>	19	<b>754</b>					13	13	0	<b>1,747</b>
6	9,450	54.0	11.6	42.4	72	7.2	174	132	42	<b>31,580</b>	27	25	2	<b>2,186</b>	20	<b>774</b>					7	7	0	<b>1,754</b>
7	9,250	53.9	11.5	42.4	72	7.5	404	352	52	<b>31,984</b>	8	8	0	<b>2,194</b>	62	<b>836</b>					29	29	0	<b>1,783</b>
8	9,220						205	163	42	<b>32,189</b>	3	3	0	<b>2,197</b>	72	<b>908</b>					31	30	1	<b>1,814</b>
9	9,050						297	257	40	<b>32,486</b>	6	6	0	<b>2,203</b>	42	<b>950</b>					41	41	0	<b>1,855</b>
10	9,090	53.2	12	41.2	73	7.0	152	108	44	<b>32,638</b>	41	32	9	<b>2,244</b>	35	<b>985</b>					19	19	0	<b>1,874</b>
11	8,960	53.3	11.8	41.5	73	7.0	67	48	19	<b>32,705</b>	12	10	2	<b>2,256</b>	13	<b>998</b>					6	6	0	<b>1,880</b>
12	8,790	53.7	11.8	41.9	74	7.5	55	35	20	<b>32,760</b>	2	2	0	<b>2,258</b>	26	<b>1,024</b>					9	8	1	<b>1,889</b>
13	8,670	53.7	11.8	41.9	74	7.7	246	199	47	<b>33,006</b>	2	2	0	<b>2,260</b>	45	<b>1,069</b>					9	9	0	<b>1,898</b>
14	8,860	55.2	10.1	45.1	74	7.7	126	96	30	<b>33,132</b>	25	21	4	<b>2,285</b>	26	<b>1,095</b>					11	11	0	<b>1,909</b>
15	8,470						92	58	34	<b>33,224</b>	10	6	4	<b>2,295</b>	16	<b>1,111</b>					11	8	3	<b>1,920</b>
16	7,820						45	34	11	<b>33,269</b>	9	9	0	<b>2,304</b>	15	<b>1,126</b>					0		0	<b>1,920</b>
17	7,630	56.0	10.6	45.4	74	7.2	122	90	32	<b>33,391</b>	13	11	2	<b>2,317</b>	22	<b>1,148</b>					10	10	0	<b>1,930</b>
18	7,360	56.0	14	42.0	74	7.3	130	75	55	<b>33,521</b>	15	12	3	<b>2,332</b>	29	<b>1,177</b>					8	6	2	<b>1,938</b>
19	7,150	55.9	13.8	42.1	75	7.6	110	76	34	<b>33,631</b>	12	9	3	<b>2,344</b>	24	<b>1,201</b>					14	14	0	<b>1,952</b>
20	6,910	55.9	13.4	42.5	75	7.6	60	43	17	<b>33,691</b>	10	9	1	<b>2,354</b>	9	<b>1,210</b>					5	5	0	<b>1,957</b>
21	6,850	56.0	13.3	42.7	74	7.6	104	86	18	<b>33,795</b>	5	4	1	<b>2,359</b>	25	<b>1,235</b>					11	11	0	<b>1,968</b>
22	6,760						94	76	18	<b>33,889</b>	14	12	2	<b>2,373</b>	21	<b>1,256</b>					11	11	0	<b>1,979</b>
23	6,730						40	31	9	<b>33,929</b>	9	8	1	<b>2,382</b>	24	<b>1,280</b>					4	3	1	<b>1,983</b>
24	6,700	56.1	13.2	42.9	74	6.0	56	34	22	<b>33,985</b>	13	8	5	<b>2,395</b>	9	<b>1,289</b>					2	1	1	<b>1,985</b>
25	6,560	56.1	13.2	42.9	74	6.0	56	33	23	<b>34,041</b>	14	10	4	<b>2,409</b>	22	<b>1,311</b>					8	5	3	<b>1,993</b>
26	6,470	56.1	13	43.1	76	6.7	30	15	15	<b>34,071</b>	8	5	3	<b>2,417</b>	14	<b>1,325</b>					1	1	0	<b>1,994</b>
27	6,410	56.2	13.2	43.0	76	6.8	8	3	5	<b>34,079</b>	1	1	0	<b>2,418</b>	7	<b>1,332</b>					0	0	0	<b>1,994</b>
28	6,350	56.2	13.3	42.9	76	6.8	6	5	1	<b>34,085</b>	2	1	1	<b>2,420</b>	3	<b>1,335</b>					0	0	0	<b>1,994</b>
29	6,410						10	7	3	<b>34,095</b>	0	0	0	<b>2,420</b>	1	<b>1,336</b>					0	0	0	<b>1,994</b>
30	6,300						6	2	4	<b>34,101</b>	3	2	1	<b>2,423</b>	2	<b>1,338</b>					0	0	0	<b>1,994</b>
31	6,330	56.2	13.4	42.8	78	7.2	2	2	0	<b>34,103</b>	3	3	0	<b>2,426</b>	3	<b>1,341</b>					0	0	0	<b>1,994</b>

Cumulative Adult Spring Chinook Mark Rate: 82.2%

**WILLAMETTE FALLS FISHWAY COUNTS**

Month

August

Year 2017

Date	Hydrological Data						Spring/Fall Chinook						Steelhead							
							Adult			Cum.	Jack			Cum.	Mini Jack		Winter			Cum.
	Daily		Unclip	Daily		Unclip	Daily	Cum.	Daily		Unclip	Daily			Unclip					
	Flow	HW		TW	Diff				Temp	Vis		Total	Clipped	Total		Clipped	Total	Clipped	Total	Clipped
1	6,180	56.2	13.2	43.0	78	7.3	2	2	0	34,103	0	0	0	2,426	3	1,341	0	0	0	1,994
2	6,700	56.1	13.2	42.9	78	7.5	11	7	4	34,116	2	2	0	2,428	1	1,345	1	1	0	1,995
3	7,880	56.3	13.6	42.7	78	7.5	0	0	0	34,116	1	1	0	2,429	4	1,349	0	0	0	1,995
4	8,990	56.4	14.1	42.3	78	7.8	1	0	1	34,117	0	0	0	2,429	0	1,349	0	0	0	1,995
5	9,120						0	0	0	34,117	0	0	0	2,429	0	1,349	0	0	0	1,995
6	9,250						0	0	0	34,117	0	0	0	2,429	0	1,349	0	0	0	1,995
7	9,510	56.5	14.4	42.1	78	7.2	0	0	0	34,117	0	0	0	2,429	0	1,349	0	0	0	1,995
8	9,480	56.7	14.5	42.2	78	7.2	3	1	2	34,120	2	1	1	2,431	0	1,349	0	0	0	1,995
9	9,350	56.7	14.4	42.3	77	7.2	12	4	8	34,132	3	2	1	2,434	3	1,352	2	1	1	1,997
10	9,250	56.7	14.4	42.3	77	7.2	12	6	6	34,144	4	4	0	2,438	0	1,352	2	2	0	1,999
11	9,350	56.7	14.4	42.3	77	7.2	6	3	3	34,150	1	0	1	2,439	1	1,353	0	0	0	1,999
12	9,250						3	3	0	34,153	2	2	0	2,441	1	1,354	-1	-1	0	1,998
13	9,410						18	6	12	34,171	0	0	0	2,441	1	1,355	0	0	0	1,998
14	9,450	56.3	14.5	41.8	72	7.3	5	2	3	34,176	0	0	0	2,441	0	1,355	0	0	0	1,998
15	9,510	55.8	14.4	41.4	72	7.3	10	6	4	34,186	1	0	1	2,442	3	1,358	2	2	0	2,000
16	9,480	55.5	14.4	41.1	71	7.5	45	25	20	45	7	5	2	7	4	1,362	0	0	0	2,000
17	9,250	55.5	14.4	41.1	71	7.5	44	21	23	89	6	4	2	13	2	1,364	6	6	0	2,006
18	8,700	55.4	14.3	41.1	70	7.8	77	28	49	166	10	7	3	23	8	1,372	3	3	0	2,009
19	8,630						8	2	6	174	3	3	0	26	1	1,373	5	5	0	2,014
20	8,470						24	10	14	198	5	3	2	31	5	1,378	4	3	1	2,018
21	8,570						7	0	7	205	1	0	1	32	0	1,378	2	1	1	2,020
22	8,700	55.3	14.2	41.1	70	7.8	18	6	12	223	2	2	0	34	0	1,378	2	2	0	2,022
23	8,790	55.4	14.3	41.1	70	7.8	12	4	8	235	4	2	2	38	0	1,378	1	1	0	2,023
24	8,790	55.3	14.2	41.1	70	8.0	19	1	18	254	1	1	0	39	1	1,379	2	2	0	2,025
25	8,860	55.3	14.3	41.0	70	8.8	3	0	3	257	0	0	0	39	0	1,379	1	0	1	2,026
26	8,760						18	2	16	275	3	0	3	42	0	1,379	7	6	1	2,033
27	8,600						5	1	4	280	1	0	1	43	0	1,379	1	1	0	2,034
28	8,630	55.3	14.3	41.0	70	8.3	16	4	12	296	1	0	1	44	0	1,379	3	3	0	2,037
29	8,630	55.3	14.2	41.1	71	8.3	21	0	21	317	3	1	2	47	2	1,381	2	1	1	2,039
30	9,220	55.3	14.2	41.1	71	8.3	11	1	10	328	0	0	0	47	1	1,382	3	2	1	2,042
31	9,020	55.3	14.3	41.0	71	8.5	16	1	15	344	0	0	0	47	0	1,382	4	3	1	2,046



**WILLAMETTE FALLS FISHWAY COUNTS**

Month

September

Year

2017

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.	Total	Daily		Cum.		
							Total	Clipped	Unclip	344	Total	Clipped	Unclip	47	Daily	Cum.	Daily	Cum.	Daily	Cum.	Total	Clipped	Unclip	Cum.
1	8,830	55.3	14.3	41.0	71	8.5	6	1	5	350	2	1	1	49	0	1,382	0	12	1	16	0	0	0	2,046
2	8,900						8	2	6	358	1	0	1	50	0	1,382	1	13	0	16	0	0	0	2,046
3	8,960						14	2	12	372	3	0	3	53	1	1,383	1	14	1	17	0	0	0	2,046
4	9,400						15	2	13	387	4	0	4	57	0	1,383	0	14	2	19	2	1	1	2,048
5	9,450	55.4	14.3	41.1	71	8.3	12	1	11	399	0	0	0	57	0	1,383	2	16	0	19	0	0	0	2,048
6	9,500	55.5	14.5	41.0	71	8.3	4	0	4	403	0	0	0	57	1	1,384	1	17	0	19	2	1	1	2,050
7	9,100	55.5	14.5	41.0	71	8.5	11	1	10	414	0	0	0	57	0	1,384	2	19	2	21	2	1	1	2,052
8	9,000	55.4	14.3	41.1	71	8.5	4	1	3	418	0	0	0	57	0	1,384	1	20	1	22	0	0	0	2,052
9	8,800						6	0	6	424	0	0	0	57	0	1,384	0	20	0	22	2	2	0	2,054
10	8,500						13	1	12	437	2	0	2	59	0	1,384	2	22	1	23	6	5	1	2,060
11	8,100	55.2	14.2	41.0	69	8.8	30	1	29	467	3	0	3	62	0	1,384	0	22	2	25	2	1	1	2,062
12	8,000	55.1	14.1	41.0	69	8.8	14	0	14	481	5	2	3	67	0	1,384	5	27	6	31	6	5	1	2,068
13	7,850	55.1	13.9	41.2	69	8.5	27	0	27	508	6	2	4	73	1	1,385	6	33	8	39	1	1	0	2,069
14	8,000	55.0	14.1	40.9	68	8.5	13	1	12	521	1	0	1	74	0	1,385	4	37	18	57	3	2	1	2,072
15	8,100						23	2	21	544	4	0	4	78	0	1,385	3	40	11	68	2	2	0	2,074
16	8,350						9	0	9	553	1	0	1	79	4	1,389	3	43	11	79	1	0	1	2,075
17	8,500						13	0	13	566	3	0	3	82	6	1,395	4	47	15	94	1	0	1	2,076
18	8,600	55.3	14.1	41.2	67	7.7	23	4	19	589	4	0	4	86	9	1,404	3	50	20	114	3	0	3	2,079
19	9,200	55.3	14.3	41.0	67	7.7	9	2	7	598	4	0	4	90	8	1,412	3	53	24	138	7	6	1	2,086
20	10,200	55.6	14.6	41.0	64	7.6	40	1	39	638	5	0	5	95	10	1,422	17	70	43	181	4	2	2	2,090
21	12,400	55.9	13	42.9	64	7.6	51	1	50	689	15	0	15	110	12	1,434	19	89	34	215	3	3	0	2,093
22	12,300	56.1	15.4	40.7	60	7.6	49	1	48	738	8	1	7	118	14	1,448	14	103	45	260	1	1	0	2,094
23	10,900						57	0	57	795	14	0	14	132	10	1,458	20	123	52	312	6	3	3	2,100
24	10,500						26	1	25	821	8	0	8	140	15	1,473	4	127	27	339	4	2	2	2,104
25	10,100	55.6	15.4	40.2	60	7.3	38	0	38	859	5	0	5	145	11	1,484	10	137	21	360	6	2	4	2,110
26	9,700	55.5	14.7	40.8	60	7.3	30	1	29	889	7	0	7	152	7	1,491	2	139	22	382	1	0	1	2,111
27	9,300						12	0	12	901	1	0	1	153	1	1,492	5	144	13	395	5	3	2	2,116
28	9,000	55.4	14.5	40.9	62	8.3	166	0	166	1,067	25	2	23	178	43	1,535	66	210	83	478	4	1	3	2,120
29	8,730	55.3	14.3	41.0	62	8.3	108	0	108	1,175	24	1	23	202	13	1,548	101	311	83	561	2	1	1	2,122
30	9,050						65	0	65	1,240	14	0	14	216	4	1,552	83	394	74	635	2	0	2	2,124

**WILLAMETTE FALLS FISHWAY COUNTS**

Month

October

Year

2017

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	1,240	Total	Clipped	Unclip	216	Daily	Cum.	Daily	Cum.	Daily	Cum.	Total	Clipped	Unclip	2,124
1	9,650						37	1	36	1,277	6	0	6	222	1	1,553	15	409	28	663	0	0	0	2,124
2	10,200	55.6	14.6	41.0	63	8.0	28	1	27	1,305	5	0	5	227	8	1,561	25	434	29	692	1	0	1	2,125
3	10,600	55.8	14.6	41.2	63	8.0	30	0	30	1,335	6	0	6	233	5	1,566	25	459	56	748	0	0	0	2,125
4	11,100	55.9	14.8	41.1	60	8.8	104	1	103	1,439	26	1	25	259	9	1,575	65	524	146	894	1	0	1	2,126
5	11,000	55.8	14.8	41.0	60	8.8	62	0	62	1,501	13	1	12	272	6	1,581	55	579	126	1,020	2	0	2	2,128
6	11,000	55.8	14.9	40.9	59	9.0	98	0	98	1,599	25	0	25	297	12	1,593	73	652	228	1,248	2	0	2	2,130
7	11,000						37	0	37	1,636	9	0	9	306	1	1,594	24	676	37	1,285	1	0	1	2,131
8	11,000						42	0	42	1,678	11	0	11	317	5	1,599	34	710	61	1,346	1	0	1	2,132
9	11,000	55.9	15	40.9	58	8.5	12	0	12	1,690	4	0	4	321	1	1,600	11	721	21	1,367	2	0	2	2,134
10	10,900	55.8	14.9	40.9	56	8.4	70	1	69	1,760	16	0	16	337	9	1,609	33	754	53	1,420	2	0	2	2,136
11	11,100	55.7	15	40.7	56	8.2	37	0	37	1,797	2	0	2	339	5	1,614	14	768	19	1,439	0	0	0	2,136
12	12,300	55.7	15.1	40.6	56	8.0	71	0	71	1,868	14	0	14	353	4	1,618	37	805	40	1,479	0	0	0	2,136
13	15,000	56.1	15.3	40.8	55	7.7	177	0	177	2,045	20	0	20	373	1	1,619	72	877	64	1,543	2	2	0	2,138
14	17,100						198	0	198	2,243	55	1	54	428	0	1,619	95	972	98	1,641	3	0	3	2,141
15	16,600						45	1	44	2,288	10	0	10	438	0	1,619	39	1,011	56	1,697	0	0	0	2,141
16	15,300						22	0	22	2,310	0	0	0	438	2	1,621	24	1,035	20	1,717	2	1	1	2,143
17	14,200	56.7	15.7	41.0	52	6.4	5	0	5	2,315	3	0	3	441	0	1,621	3	1,038	10	1,727	1	1	0	2,144
18	14,100	56.5	15.7	40.8	52	6.4	19	0	19	2,334	1	0	1	442	0	1,621	12	1,050	10	1,737	0	0	0	2,144
19	13,800	56.7	15.6	41.1	53	5.6	27	0	27	2,361	3	0	3	445	0	1,621	16	1,066	23	1,760	2	1	1	2,146
20	15,000	56.7	15.5	41.2	53	5.6	41	1	40	2,402	5	0	5	450	0	1,621	39	1,105	28	1,788	0	0	0	2,146
21	22,700						88	0	88	2,490	12	0	12	462	2	1,623	138	1,243	66	1,854	4	0	4	2,150
22	34,900	58.7	17.9	40.8	53	4.0	146	0	146	2,636	34	0	34	496	1	1,624	516	1,759	136	1,990	6	1	5	2,156
23	57,600	60.1	22.4	37.7	53	<1.0	32	0	32	2,668	6	0	6	502	0	1,624	71	1,830	41	2,031	3	0	3	2,159
24	44,000	60.2	23.7	36.5	53	<1.0	23	0	23	2,691	16	0	16	518	0	1,624	136	1,966	51	2,082	3	1	2	2,162
25	30,800	59.2	20.0	39.2	52	<1.0	74	0	74	2,765	19	0	19	537	0	1,624	364	2,330	139	2,221	13	1	12	2,175
26	28,000						28	0	28	2,793	12	0	12	549	0	1,624	143	2,473	57	2,278	3	0	3	2,178
27	25,100						15	0	15	2,808	4	0	4	553	0	1,624	39	2,512	22	2,300	0	0	0	2,178
28	24,900						14	1	13	2,822	4	1	3	557	0	1,624	29	2,541	24	2,324	0	0	0	2,178
29	23,400						18	0	18	2,840	0	0		557	0	1,624	37	2,578	45	2,369	0	0	0	2,178
30	22,700	57.9	16.6	41.3	53	4.3	9	0	9	2,849	1	0	1	558	0	1,624	27	2,605	15	2,384	4	2	2	2,182
31	21,900	58.0	16.4	41.6	53	4.5	6	0	6	2,855	8	0	8	566	0	1,624	17	2,622	15	2,399	0	0	0	2,182

**WILLAMETTE FALLS FISHWAY COUNTS**

Month

November

Year

2017

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	2,855	Total	Clipped	Unclip	566	Daily	Cum.	Daily	Cum.		Total	Clipped	Unclip	0	
1	20,900	57.9	16.2	41.7	52	5.0	10	0	10	2,865	4	0	4	570			22	2,644	8	2,407	0	0	0	0
2	20,500	57.9	16.2	41.7	52	5.0	7	0	7	2,872	2	0	2	572			7	2,651	5	2,412	1	0	1	1
3	20,800	57.7	15.9	41.8	51	5.2	2	0	2	2,874	1	0	1	573			17	2,668	9	2,421	1	0	1	2
4	22,500						2	0	2	2,876	0	0	0	573			8	2,676	6	2,427	0	0	0	2
5	23,200						0	0	0	2,876	0	0	0	573			8	2,684	3	2,430	0	0	0	2
6	24,100	58.1	16.5	41.6	50	5.4	4	0	4	2,880	3	0	3	576			26	2,710	21	2,451	0	0	0	2
7	26,000	58.4	14.9	43.5	49	5.3	0	0	0	2,880	0	0	0	576			2	2,712	5	2,456	1	0	1	3
8	25,000	58.4	15.0	43.4	48	3.7	0	0	0	2,880	0	0	0	576			9	2,721	6	2,462	0	0	0	3
9	25,100	58.5	14.8	43.7	48	3.7	0	0	0	2,880	0	0	0	576			6	2,727	-5	2,457	2	0	2	5
10	27,200						1	0	1	2,881	0	0	0	576			3	2,730	0	2,457	5	1	4	10
11	31,100						1	0	1	2,882	0	0	0	576			16	2,746	5	2,462	13	0	13	23
12	32,900						1	0	1	2,883	0	0	0	576			26	2,772	10	2,472	2	0	2	25
13	31,400	59.0	17.5	41.5	50	2.6	0	0	0	2,883	0	0	0	576			28	2,800	15	2,487	0	0	0	25
14	33,800	59.2	17.8	41.4	50	2.4	3	0	3	2,886	0	0	0	576			57	2,857	31	2,518	3	0	3	28
15	32,700	59.4	18.6	40.8	50	2.0	0	0	0	2,886	0	0	0	576			30	2,887	17	2,535	0	0	0	28
16	38,800	59.6	18.8	40.8	48	1.0	0	0	0	2,886	0	0	0	576			41	2,928	30	2,565	4	0	4	32
17	50,000	60.0	20.7	39.3	48	<1.0	0	0	0	2,886	0	0	0	576			16	2,944	22	2,587	-2	0	-2	30
18	48,700						0	0	0	2,886	0	0	0	576			15	2,959	6	2,593	1	0	1	31
19	43,200						0	0	0	2,886	0	0	0	576			8	2,967	13	2,606	3	1	2	34
20	40,200	60.4	21.3	39.1	47	<1.0	0	0	0	2,886	0	0	0	576			14	2,981	4	2,610	0	0	0	34
21	46,400	60.9	21.9	39.0	47	<1.0	0	0	0	2,886	0	0	0	576			18	2,999	13	2,623	6	0	6	40
22	49,200	61.1	23.2	37.9	49	<1.0	0	0	0	2,886	0	0	0	576			9	3,008	11	2,634	2	0	2	42
23	50,600						0	0	0	2,886	0	0	0	576			9	3,017	8	2,642	2	0	2	44
24	64,900						0	0	0	2,886	0	0	0	576			2	3,019	9	2,651	1	0	1	45
25	69,700						0	0	0	2,886	0	0	0	576			4	3,023	3	2,654	2	0	2	47
26	61,600						0	0	0	2,886	0	0	0	576			0	3,023	1	2,655	0	0	0	47
27	58,600	61.9	25.3	36.6	48	<1.0	0	0	0	2,886	0	0	0	576			3	3,026	1	2,656	1	0	1	48
28	56,800	61.0	24.8	36.2	48	<1.0	0	0	0	2,886	0	0	0	576			3	3,029	4	2,660	0	0	0	48
29	53,800	61.1	24.0	37.1	48	<1.0	0	0	0	2,886	0	0	0	576			4	3,033	0	2,660	0	0	0	48
30	50,800	60.6	23.3	37.3	47	<1.0	0	0	0	2,886	0	0	0	576			1	3,034	2	2,662	0	0	0	48

### WILLAMETTE FALLS FISHWAY COUNTS

Month

December

Year

2017

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.	Total	Daily		Cum.			
							Total	Clipped	Unclip	Total	Clipped	Unclip						Clipped	Unclip				
1	47,100	60.5	22.3	38.2	47	2.3							0	3,034	-1	2,661	0	0	0	48			
2	43,700												1	3,035	0	2,661	0	0	0	48			
3	43,700												1	3,036	4	2,665	2	0	2	50			
4	43,000	60.1	20.9	39.2	46	2.7							-1	3,035	0	2,665	3	0	3	53			
5	39,400	59.9	20.6	39.3	46	2.8							0	3,035	0	2,665	1	0	1	54			
6	34,800	59.3	19.6	39.7	45	3.0							1	3,036	-1	2,664	1	0	1	55			
7	31,600	59.3	18.7	40.6	45	3.2							0	3,036	0	2,664	4	0	4	59			
8	28,300	59.3	17.6	41.7	44	3.6							0	3,036	0	2,664	3	0	3	62			
9	26,300												0	3,036	-1	2,663	2	0	2	64			
10	24,100												0	3,036	0	2,663	0	0	0	64			
11	22,400	58.7	15.6	43.1	40	4.4							0	3,036	0	2,663	2	0	2	66			
12	21,300	58.5	15.2	43.3	40	4.6							0	3,036	0	2,663	0	0	0	66			
13	20,200	58.2	14.8	43.4	40	4.6							0	3,036	1	2,664	1	0	1	67			
14	19,500	58.1	14.5	43.6	39	4.2							0	3,036	0	2,664	1	0	1	68			
15	18,700	58.0	14.3	43.7	39	4.2							0	3,036	0	2,664	1	0	1	69			
16	18,200												0	3,036	0	2,664	3	0	3	72			
17	17,100												0	3,036	0	2,664	0	0	0	72			
18	15,900												1	3,037	1	2,665	1	0	1	73			
19	15,200	57.5	13.4	44.1	42	4.0							0	3,037	0	2,665	2	0	2	75			
20	17,100	57.8	13.3	44.5	42	4.0							0	3,037	0	2,665	12	0	12	87			
21	20,400	58.7	15.2	43.5	43	3.5							0	3,037	3	2,668	7	0	7	94			
22	19,200	58.8	15.2	43.6	43	3.0							1	3,038	0	2,668	0	0	0	94			
23	18,100												1	3,039	3	2,671	1	0	1	95			
24	19,100												1	3,040	1	2,672	2	0	2	97			
25	19,300												1	3,041	1	2,673	5	0	5	102			
26	20,700												-1	3,040	1	2,674	4	0	4	106			
27	20,000												0	3,040	1	2,675	4	0	4	110			
28	19,000	59.0	15.2	43.8	40	2.7							0	3,040	0	2,675	4	0	4	114			
29	19,900												0	3,040	1	2,676	1	0	1	115			
30	32,400												1	3,041	3	2,679	5	0	5	120			
31	37,500												0	3,041	1	2,680	7	0	7	127			