

Smolt Monitoring Program Two Week Passage Index Report

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COMBINED YEARLING CHINOOK

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (Index)	LGS (Index)	LMN (Index)	RIS (Index)	MCN (Index)	JDA (Index)	BO2 (Index)
05/10/2018			464	473	301,682	156,900	114,799	3,216		95,175	69,733
05/11/2018		30	361	96	230,995	147,847	46,464	1,841	138,469		63,914
05/12/2018		48	170		180,308	110,343	40,040	1,735		93,151	62,014
05/13/2018		22	65		52,053	135,605	60,253	1,702	120,627		37,526
05/14/2018		26	33		41,052	98,820	55,498	1,844		82,877	24,029
05/15/2018		26	48		32,851	60,644	37,902	1,683	111,541		59,120
05/16/2018		31	66		45,921	55,268	25,414	1,345		69,865	61,159
05/17/2018		15	106		68,328	41,247	21,219	729	83,294		18,159
05/18/2018		26	106		49,313	48,167	33,497	683		64,453	17,239
05/19/2018		10	48		39,884	32,881	36,450	393	26,274		7,297
05/20/2018		7	28		23,440	34,421	19,900	322		27,400	14,470
05/21/2018		11	30		14,445	22,581	10,793	224	39,225		18,701
05/22/2018			42		22,484	14,537	6,895	175		23,251	26,277
05/23/2018			20		7,912	14,642	7,775	113	24,279		15,477
05/24/2018			53		8,995	12,201	5,039	136			15,051
Total:	0	252	1,640	569	1,119,663	986,104	521,938	16,141	543,709	456,172	510,166
# Days:	0	11	15	2	15	15	15	15	7	7	15
Average:	0	23	109	285	74,644	65,740	34,796	1,076	77,673	65,167	34,011
YTD:	23,452	40,884	21,713	12,792	4,596,328	2,791,106	2,016,488	49,033	1,409,063	1,182,169	1,827,001

Number of hours sampled:

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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- No data available or no sample conducted

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COMBINED SUBYEARLING CHINOOK

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (Index)	LGS (Index)	LMN (Index)	RIS (Index)	MCN (Index)	JDA (Index)	BO2 (Index)
05/10/2018			0	27	1,075	0	425	209		1,198	28,068
05/11/2018		0	0	11	2,698	0	0	192	17,934		16,198
05/12/2018		0	0		5,321	0	0	303		1,243	7,991
05/13/2018		0	4		2,588	0	0	374	16,440		2,525
05/14/2018		0	0		2,219	592	0	147		4,788	3,887
05/15/2018		0	21		1,916	1	0	151	143,861		5,375
05/16/2018		0	9		5,278	555	0	177		5,641	1,690
05/17/2018		0	2		7,534	294	157	381	58,473		2,594
05/18/2018		1	4		11,403	1,617	0	126		6,679	5,040
05/19/2018		0	1		6,506	163	0	260	31,275		4,090
05/20/2018		0	11		3,309	1,930	485	299		18,046	10,310
05/21/2018		0	3		6,112	4,519	483	190	21,600		5,233
05/22/2018			5		12,366	2,395	1,443	238		9,998	6,797
05/23/2018			6		15,279	4,558	6,172	293	15,916		6,825
05/24/2018			5		13,058	10,678	4,865	248			4,032
Total:	0	1	71	38	96,662	27,302	14,030	3,588	305,499	47,593	110,655
# Days:	0	11	15	2	15	15	15	15	7	7	15
Average:	0	0	5	19	6,444	1,820	935	239	43,643	6,799	7,377
YTD:	0	1	75	192	125,567	29,042	14,335	4,875	344,119	48,949	1,341,296

Number of hours sampled:

- No data available or no sample conducted

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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COMBINED COHO

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (Index)	LGS (Index)	LMN (Index)	RIS (Index)	MCN (Index)	JDA (Index)	BO2 (Index)
05/10/2018			121	33	25,252	14,830	4,252	3,804		1,498	9,210
05/11/2018		0	92	5	16,790	13,251	430	1,881	25,454		8,758
05/12/2018		0	51		16,848	8,493	1,281	2,386		7,762	11,508
05/13/2018		0	41		4,889	16,395	2,488	2,569	25,010		11,644
05/14/2018		0	36		3,883	7,693	828	3,384		9,575	6,007
05/15/2018		0	37		2,190	10,090	648	3,847	14,121		12,031
05/16/2018		0	38		5,542	4,756	305	2,226		8,772	5,210
05/17/2018		0	54		6,755	5,003	472	1,637	17,344		5,188
05/18/2018		0	68		5,563	4,960	161	802		13,358	7,955
05/19/2018		0	21		7,072	5,913	999	1,476	6,881		4,021
05/20/2018		0	22		8,825	4,838	647	844		9,691	5,076
05/21/2018		0	12		5,834	7,094	644	899	9,057		5,492
05/22/2018			57		10,961	5,733	481	998		6,975	11,244
05/23/2018			17		9,004	4,726	882	911	6,094		7,882
05/24/2018			50		3,192	4,064	1,911	794			5,544
Total:	0	0	717	38	132,600	117,839	16,429	28,458	103,961	57,631	116,770
# Days:	0	11	15	2	15	15	15	15	7	7	15
Average:	0	0	48	19	8,840	7,856	1,095	1,897	14,852	8,233	7,785
YTD:	0	0	1,084	1,365	227,973	175,498	30,285	37,062	193,957	75,919	431,910

Number of hours sampled:

- No data available or no sample conducted

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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COMBINED STEELHEAD

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (Index)	LGS (Index)	LMN (Index)	RIS (Index)	MCN (Index)	JDA (Index)	BO2 (Index)
05/10/2018			363	97	185,898	95,649	73,981	1,264		27,835	10,085
05/11/2018		751	260	36	122,941	90,516	38,720	880	5,872		4,817
05/12/2018		455	66		164,643	53,678	32,672	774		36,641	7,672
05/13/2018		452	25		72,184	64,296	44,222	599	7,744		7,400
05/14/2018		511	14		48,816	72,760	31,476	490		17,054	3,887
05/15/2018		541	10		37,505	38,288	20,409	466	6,284		9,471
05/16/2018		634	21		40,906	30,513	17,477	568		24,124	6,149
05/17/2018		504	54		34,294	17,908	13,046	324	4,465		5,046
05/18/2018		703	58		49,009	15,570	15,138	137		15,027	6,098
05/19/2018		358	23		47,805	20,126	15,479	228	3,753		1,980
05/20/2018		274	34		55,981	32,048	14,237	172		12,030	2,906
05/21/2018		183	19		51,948	25,143	13,048	184	2,085		3,138
05/22/2018			30		31,759	28,583	7,376	119		9,533	5,491
05/23/2018			22		30,285	18,854	14,108	119	3,306		2,807
05/24/2018			75		29,597	17,230	7,992	127			2,520
Total:	0	5,366	1,074	133	1,003,571	621,162	359,381	6,451	33,509	142,244	79,467
# Days:	0	11	15	2	15	15	15	15	7	7	15
Average:	0	488	72	67	66,905	41,411	23,959	430	4,787	20,321	5,298
YTD:	723	26,256	3,848	5,328	3,730,963	2,844,630	1,876,664	18,862	224,642	605,710	325,472

Number of hours sampled:

- No data available or no sample conducted

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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Smolt Monitoring Program Two Week Passage Index Report

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COMBINED SOCKEYE

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (Index)	LGS (Index)	LMN (Index)	RIS (Index)	MCN (Index)	JDA (Index)	BO2 (Index)
05/10/2018			0	13	1,343	642	0	3,754		55,966	55,258
05/11/2018		0	0	52	1,199	23	430	3,998	356,362		58,662
05/12/2018		0	0		7,094	727	320	3,527		55,890	58,817
05/13/2018		0	0		16,392	1,270	276	2,754	199,727		51,976
05/14/2018		0	0		19,694	2,965	552	4,060		38,597	45,231
05/15/2018		0	0		21,080	4,257	972	1,297	148,274		87,271
05/16/2018		0	0		45,129	4,466	611	851		35,089	53,461
05/17/2018		0	0		55,078	2,425	2,672	705	61,650		22,915
05/18/2018		0	1		15,575	7,192	7,569	596		40,075	41,101
05/19/2018		0	2		14,143	11,837	6,325	442	23,144		12,610
05/20/2018		0	0		15,995	18,368	5,501	695		13,700	11,863
05/21/2018		0	0		10,556	8,406	3,222	313	19,776		9,545
05/22/2018			0		8,431	10,865	2,726	1,075		10,928	15,362
05/23/2018			0		4,365	5,236	3,687	727	24,833		9,228
05/24/2018			0		871	10,182	2,432	390			11,714
Total:	0	0	3	65	236,945	88,861	37,295	25,184	833,766	250,245	545,014
# Days:	0	0	0	33	15,796	5,924	2,486	1,679	119,109	35,749	36,334
Average:	0	0	0	33	15,796	5,924	2,486	1,679	119,109	35,749	36,334
YTD:	0	0	3	115	255,265	105,527	45,111	75,272	1,426,055	334,762	686,578

Number of hours sampled:

- No data available or no sample conducted

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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COMBINED LAMPREY JUVENILES

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR* (Sample)	LGS (Coll)	LMN (Coll)	RIS (Coll)	MCN (Coll)	JDA (Coll)	BO2 (Coll)
05/10/2018			0	0	15	0	200	44		1,429	0
05/11/2018		0	0	0	26	1,600	0	26	5,600		143
05/12/2018		0	0		48	4,800	600	41		2,143	100
05/13/2018		0	0		13	4,000	1,400	14	6,600		210
05/14/2018		0	0		11	2,000	1,400	6		5,714	100
05/15/2018		0	0		24	1,600	2,800	4	36,600		67
05/16/2018		0	0		15	1,000	11,000	2		16,143	120
05/17/2018		0	0		3	400	12,800	0	25,650		100
05/18/2018		0	0		1	800	7,100	0		76,000	867
05/19/2018		0	0		6	400	700	4	40,400		900
05/20/2018		0	0		4	400	0	1		11,000	1,745
05/21/2018		0	0		5	0	0	2	19,660		2,533
05/22/2018			0		5	100	400	1		6,400	1,950
05/23/2018			0		1	200	200	1	3,300		805
05/24/2018			0		0	600	600	1			233
Total:	0	0	0	0	177	17,900	39,200	147	137,810	118,829	9,873
# Days:	0	11	15	2	25	20	16	21	7	7	17
Average:	0	0	0	0	7	895	2,450	7	19,687	16,976	581
YTD:		1	3		212	29,334	42,200	319	149,212	155,943	16,444

- No data available or no sample conducted

- Juvenile lamprey can escape the sample tank at LGR which would lead to unreliable estimates of collection. Therefore, only sample counts are provided in this report.

Number of hours sampled:

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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Smolt Monitoring Program

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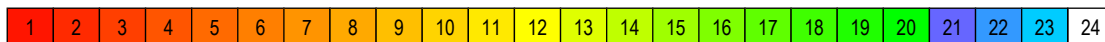
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Smolt Monitoring Program Sites and Agency Collaborations:

- WTB (Collection) - Salmon River Trap at Whitebird : Collection Counts
- IMN (Collection) - Imnaha River Trap : Collection Counts
- GRN (Collection) - Grande Ronde River Trap : Collection Counts
- LEW (Collection) = Snake River Trap at Lewiston : Collection Counts
- LGR (Index) - Lower Granite Dam Bypass Collection System : Passage Index Counts
- LGS (Index) - Little Goose Bypass Collection System : Passage Index Counts
- LMN (Index) - Lower Monumental Dam Bypass Collection System : Passage Index Counts
- RIS (Index) - Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts
- MCN (Index) - McNary Dam Bypass Collection System : Passage Index Counts
- JDA (Index) - John Day Dam Bypass Collection System : Passage Index Counts
- BO2 (Index) - Bonneville Dam Second Powerhouse Bypass Collection System : Passage Index Counts

- No data available or no sample conducted

Number of hours sampled:



Important Information About this Report:

- For clip information see: <http://www.fpc.org/currentdaily/smpcomments.htm>
- Three classes of fish counts are shown in these tables:
 - Sample counts (Samp) are provided for juvenile lamprey at LGR. See note below for details.
 - Collection counts (Coll), which account for sample rates but are not adjusted for flow;
 - Passage indices (INDEX), which are collection counts divided by the proportion of water passing through the sampled powerhouse.
- Passage indices are not population estimates, but are used to adjust collection counts for daily fluctuations in the site's or project's operations. Equations for passage index are provided below for each site.
 - LGR, LGS, LMN, MCN, JDA (Index) = Lower Granite Dam Bypass Collection System : Passage Index Counts Passage Index = Collection Counts / (Powerhouse Flow / (Powerhouse Flow + Spill))
 - RIS, BO2 (Index) = Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts Passage Index = Collection Counts / (Powerhouse 2 Flow / (Powerhouse 1 & 2 Flow + Spill))
- Combined lamprey juvenile collection counts are provided for all sites. Combined lamprey juveniles is a combination of pacific lamprey ammocoetes, brook lamprey ammocoetes, unknown lamprey ammocoetes, pacific lamprey macrophthalmia, and unidentified lamprey species.
- Most samples occur over a 24-hr period that spans two calendar days. In this report, the date shown corresponds with the sample end date.