

## 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)
07/06/2018		3			19	0	34	0	0		0
07/07/2018					0	0	0	0		0	63
07/08/2018					0	0	16	0	2		0
07/09/2018		0			0	0	0	0		0	0
07/10/2018		0			35	1	16	0	0		0
07/11/2018		2			0	0	0	0		0	0
07/12/2018		1			0	0	0	0	0		0
07/13/2018		0			0	0	0	0		0	0
07/14/2018					0	0	0	0	0		0
07/15/2018					0	0	19	0		151	0
07/16/2018					0	0	0	0	0		0
07/17/2018					0	0	0	0		0	0
07/18/2018						0	72	0	0		0
07/19/2018						0	0	0		0	0
07/20/2018		0				0	0	0	0		0
<b>Total:</b>	0	6	0	0	54	1	157	0	2	151	63
<b># Days:</b>	0	6	0	0	13	15	15	15	8	7	15
<b>Average:</b>	0	1	0	0	4	0	10	0	0	22	4
<b>YTD:</b>	23,452	41,213	21,824	12,792	4,639,013	2,838,048	2,045,310	49,702	1,494,206	1,257,455	1,890,717

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 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)
07/06/2018		0			2,227	4,447	2,575	219	54,921		16,741
07/07/2018					1,304	2,851	2,465	307		21,345	10,865
07/08/2018					3,088	4,059	1,327	409	85,309		9,764
07/09/2018		0			4,541	4,233	1,852	636		37,314	10,836
07/10/2018		0			4,168	4,632	2,961	750	108,621		10,019
07/11/2018		0			1,898	4,745	2,416	793		48,565	7,818
07/12/2018		0			2,983	3,054	1,664	545	85,656		14,114
07/13/2018		0			4,530	3,484	1,943	488		42,916	26,370
07/14/2018					5,568	3,520	1,603	498	42,741		28,522
07/15/2018					1,918	2,265	1,847	425		80,543	39,704
07/16/2018					1,523	3,457	5,419	387	37,650		39,786
07/17/2018					4,352	4,278	5,523	420		36,589	80,511
07/18/2018						7,349	5,031	413	78,831		63,426
07/19/2018						3,799	3,018	380		72,034	40,017
07/20/2018					415	2,793	3,280	479	47,114		156,367
<b>Total:</b>	0	0	0	0	38,515	58,966	42,924	7,149	540,843	339,306	554,860
<b># Days:</b>	0	6	0	0	13	15	15	15	8	7	15
<b>Average:</b>	0	0	0	0	2,963	3,931	2,862	477	67,605	48,472	36,991
<b>YTD:</b>	0	6	89	192	827,237	911,883	496,839	32,403	2,183,433	1,002,105	2,650,696

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 COHO

Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR (Index)	LGS (Index)	LMN (Index)	RIS (Index)	MCN (Index)	JDA (Index)	BO2 (Index)
07/06/2018		0			0	14	0	5	0		0
07/07/2018					0	0	0	3		0	63
07/08/2018					8	0	16	13	0		0
07/09/2018		0			9	7	0	8		0	0
07/10/2018		0			18	0	0	6	0		0
07/11/2018		0			0	0	0	10		0	0
07/12/2018		0			0	0	0	6	0		0
07/13/2018		0			0	0	0	3		0	0
07/14/2018					0	0	0	1	411		0
07/15/2018					0	0	0	3		303	0
07/16/2018					0	0	0	0	0		0
07/17/2018					9	0	0	0		0	154
07/18/2018						0	0	4	0		0
07/19/2018						0	0	2		0	0
07/20/2018					0	0	0	0	0		0
<b>Total:</b>	0	0	0	0	44	21	16	64	411	303	217
<b># Days:</b>	0	6	0	0	13	15	15	15	8	7	15
<b>Average:</b>	0	0	0	0	3	1	1	4	51	43	14
<b>YTD:</b>	0	0	1,224	1,365	262,488	215,219	42,470	44,186	226,511	120,093	477,464

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)
07/06/2018		1			0	43	0	2	0		0
07/07/2018					0	29	34	1		0	0
07/08/2018					0	29	0	1	0		0
07/09/2018		0			9	29	76	3		0	0
07/10/2018		0			0	59	0	9	0		0
07/11/2018		0			16	0	0	3		0	5
07/12/2018		0			0	0	0	3	0		0
07/13/2018		1			0	0	51	4		0	0
07/14/2018					0	14	0	0	0		0
07/15/2018					18	14	0	0		0	0
07/16/2018					0	29	51	3	2		0
07/17/2018					0	14	0	4		0	0
07/18/2018						29	0	3	0		0
07/19/2018						0	0	3		0	0
07/20/2018					0	0	0	0	0		0
Total:	0	2	0	0	43	289	212	39	2	0	5
# Days:	0	6	0	0	13	15	15	15	8	7	15
Average:	0	0	0	0	3	19	14	3	0	0	0
YTD:	723	27,448	3,888	5,328	3,924,721	3,004,267	1,942,759	24,911	240,968	681,267	356,557

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)
07/06/2018		0			0	0	0	2	0		0
07/07/2018					0	1	0	3		0	0
07/08/2018					0	0	0	0	411		0
07/09/2018		0			0	0	0	0		0	0
07/10/2018		0			0	0	16	0	414		0
07/11/2018		0			0	0	0	1		0	0
07/12/2018		0			0	0	0	1	0		0
07/13/2018		0			0	0	0	0		0	0
07/14/2018					0	0	0	0	0		0
07/15/2018					0	0	0	0		0	0
07/16/2018					0	0	0	1	0		0
07/17/2018					0	0	0	0		0	0
07/18/2018						0	0	0	0		0
07/19/2018						0	0	0		0	0
07/20/2018					0	0	0	0	0		0
<b>Total:</b>	0	0	0	0	0	1	16	8	825	0	0
<b># Days:</b>	0	0	0	0	0	0	1	1	103	0	0
<b>Average:</b>	0	0	0	0	0	0	1	1	103	0	0
<b>YTD:</b>	0	0	4	115	260,629	120,845	58,616	76,224	1,527,701	383,702	741,292

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)
07/06/2018		0			3	0	60	0	0		0
07/07/2018					3	0	0	0		0	25
07/08/2018					1	5	20	0	200		0
07/09/2018		0			1	15	0	1		0	0
07/10/2018		0			0	20	0	1	200		0
07/11/2018		0			1	10	10	0		0	77
07/12/2018		0			1	20	0	1	0		0
07/13/2018		0			1	20	0	0		0	0
07/14/2018					1	0	0	0	0		0
07/15/2018					0	10	10	0		100	5
07/16/2018					1	0	10	1	0		0
07/17/2018					3	0	0	2		100	67
07/18/2018						0	0	1	0		5
07/19/2018						20	0	0		100	0
07/20/2018		0			0	0	0	0	0		143
<b>Total:</b>	0	0	0	0	16	120	110	7	400	300	322
<b># Days:</b>	0	6	0	0	13	16	16	16	8	7	15
<b>Average:</b>	0	0	0	0	1	8	7	0	50	43	21
<b>YTD:</b>		1	3		446	35,729	56,770	368	219,162	227,428	27,110

- 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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**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:**

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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**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.