



FISH PASSAGE CENTER

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MEMORANDUM

To: Fish Passage Advisory Committee (FPAC)

From: FPC Staff

Date: August 1, 2017

Subject: Action Notes from August 1, 2017, FPAC meeting

On August 1, 2017, FPAC met via conference call for its weekly meeting. The following people participated in the meeting:

Tom Lorz (FPAC Co-Chair CRITFC)

Alex Saint (FPC)

Brandon Chockley (FPC)

Charlie Morrill (WDFW)

Dave Benner (FPC)

Erin Cooper (FPC)

Jay Hesse (Nez Perce Tribe)

Jennifer Graham (Warm Springs Tribe)

Kyle Dittmer (CRITFC)

Michele DeHart (FPC)

Sheri Sears (Colville Tribes)

Tom Iverson (Yakima Nation)

Trevor Conder (NOAA)

AGENDA ITEMS

Approval of Notes

- Approval of the previous meeting's notes were suspended until next FPAC Meeting.

Water Supply/Flood Control

- Dave Benner (FPC) provided a summary of the current reservoir operations and water supply forecasts, snowpack estimates, and ESP runoff volumes.

Weather

- Kyle Dittmer (CRITFC) provided a summary of weather conditions and water year status. See attached.

Juvenile Fish Passage Status

- For passage indices on August 1, 2017, please see the attached document. For updated indices, use the FPC website.
- GBT sampling is currently once per week in the mid-Columbia due to temperatures. GBT monitoring at Lower Granite is likely done for the season.

Adult Fish Passage Status

- For adult counts on August 1, 2017, please see the attached document. For updated counts, use the FPC website.
- Temperature differentials in the adult ladder were close to 2.5°C last week at Little Goose, but are currently less than a degree. At Lower Granite, the differential has been maintained at less than a degree.

JTS -Early operation of JBS

- Brandon Chockley (FPC) received comments from Paul Wagner (NOAA) and Dave Swank (USFWS). He noted that the JTS should be sent out soon due to the upcoming FPOM Meeting.
- Trevor Condor (NOAA) commented that he was concerned with the SMP part of the 4 year plan. His concern is based in the amount of time fish would be held. He expressed his opinion to follow the SMP project for the first year, and then to reevaluate for subsequent years.
- Brandon Chockley (FPC) asked for clarification on the phrase “hold the fish” and explained that SMP fish are only held for a maximum of 24 hours; fish are not held until a sample size is met.
- Trevor Condor (NOAA) expressed his concern that the sampling at Lower Monumental in March would be every other day, and then go back to twice a week condition sampling in April. Brandon clarified that the condition sampling would be the same in March as it currently is in April.
- Brandon Chockley (FPC) stated that he would revise the section with concern to Lower Monumental SMP sampling.
- Michele Dehart (FPC) pointed out to Trevor that the SMP is contracted on a year-to-year basis, so there is leeway to make changes every year.
- Trevor Condor (NOAA) expressed concern that signing on to this letter would be viewed as supporting a 4-year implementation of the SMP. He stated he would prefer to analyze the data after one year. Michele responded that this can be done.
- Tom Lorz (CRITFC)- suggested changes to the document to specifically list only the year 2018 with a note to review data afterwards.

- Brandon Chockley (FPC) asked if these changes were acceptable, Jay Hesse (Nez Perce Tribe), Charlie Morrill (WDFW), Dave Swank (USFWS), Tom Lorz (CRITFC), and Sheri Sears (Colville Tribes) all agreed to the above changes.
- Tom Lorz (CRITFC) suggested that any further changes need to be in to Brandon by 2 o'clock, August 1st. All present agreed.

JTS- ERDC Flow Diagrams

- This JTS Memo requests that FPC host flow diagrams generated at ERDC so they are available to FPAC members. Brandon Chockley asked if there was a deadline for then the COE needed to receive this document. Tom Lorz (CRITFC) pointed out that Sean Milligan (COE) is not in the office this week so the letter can be discussed at next week's FPAC.
- Brandon Chockley (FPC) noted that FPC will revise grammatical errors and will be send corrected version for next week's meeting.

WDFW Purse Seine Gear Study

- Tom Lorz (CRITFC) stated that WDFW had decided to go forward with the WDFW Purse Seine Gear Study. He has contacted WDFW that this may not be the best year to attempt this study due to the expected low steelhead run size, but due to funding, WDFW is planning to go forward.
- Brandon Chockley (FPC) asked if WDFW will submit recap files for previously tagged PIT-tagged fish. Tom Lorz responded that he did not see that in the proposal, and offered to forward the email so that Brandon may submit a request. Brandon asked to be forwarded the information.
- Trevor Conder (NOAA) reported that NOAA had met with the researchers and gave approval for the predicted take of the study. The primary concern is that if they collect 15 – 20 B-run steelhead, it could require shutting down the AFF. They will notify TAC members if they reach a collection of 10, and decide from there if they should discontinue the study.

Dworshak Operations

- Brandon Chockley (FPC) asked if there was a current plan for Dworshak. He pointed out that according to the TMT website the current plan is to maintain at 11 Kcfs, at least for the next week. Brandon noted that the website had not been updated for several days. Dave Benner pointed out that the average is 10 Kcfs, so to stay at 11 Kcfs now will require a drop to 9 Kcfs later in the season.
- Dave Swank (USFWS) noted that he and Jay had a call with the hatchery. As previous weeks, the desire is to reduce spill to reduce TDG but given temperatures this does not appear to be possible. Tom Lorz (CRITFC) Noted that the latest STP has total outflows at DWOR dropping to 10.5 Kcfs on August 9th.

LGR Turbine Unit Update

The COE has reported that changing blade angle for Unit 2 is not possible, for fear that Unit will fail. A failure at Unit 2 would require that Unit 3 becomes the priority unit, which is what the original plan was in order to meet FOP spill levels through the end of August.

Coordination

- FPOM next week, August 10
- TMT Wednesday, August 2.
- FPAC conference call on Tuesday, August 8 at 9:00 AM.
- The next FPAC face-to-face meeting will be on August 15, 2016, at 10:00 AM.

These minutes have been reviewed and approved by the Fish Passage Advisory Committee.

Water Year 2017
Clim Norm 1981-2010

Precipitation

Monthly
Temp. (degF)
(pro-rated)

	Monthly July 1 - 31	Seasonal (Oct. 1 - now)	Monthly Temp. (degF) (pro-rated)
Portland	0%	145%	0.8

UPPER-COLUMBIA:

Kamloops	11%	99%	2.9
Revelstoke	5%	72%	3.8
Cranbrook	8%	132%	5.6
Creston	1%	111%	7.9
average:	6%	104%	5.0
Normal:	1.79	17.97	61.8

MIDDLE-COLUMBIA:

Pendleton	0%	144%	2.5
Redmond	0%	106%	4.1
Yakima	0%	151%	6.4
Wenatchee AP	0%	131%	3.2
Omak	0%	123%	3.2
Spokane	0%	152%	4.7
average:	0%	135%	4.0
Normal:	0.47	10.63	70.8

LOWER SNAKE:

Lewiston	2%	139%	4.5
Pullman	3%	150%	4.7
Stanley	61%	185%	5.5
Challis	41%	109%	2.4
average:	27%	146%	4.3
Normal:	0.72	12.61	67.0

UPPER and MIDDLE SNAKE:

McCall	0%	161%	8.1
Ontario	3%	135%	5.6
Boise	3%	135%	5.8
Twin Falls	60%	121%	3.2
Burley	7%	144%	4.4
Pocatello	8%	166%	3.9
Idaho Falls	248%	115%	2.9
average:	47%	139%	4.8
Normal:	0.44	11.09	66.8

Air Temperature forecast (NOAA- NWS Forecast)		
Clarkston, WA	Low	High
1-Aug		102
2-Aug	68	103
3-Aug	69	103
4-Aug	70	105
5-Aug	69	103
6-Aug	69	102
7-Aug	69	103
"normal"	61	92

Two-Week Summary of Passage Indices

* One or more of the sites on this date had an incomplete or biased sample.

See Sampling Comments:

<http://www.fpc.org/currentDaily/smpcomments.htm>For clip information see: <http://www.fpc.org/CurrentDaily/catch.htm>For sockeye and yearling chinook (Snake only) race information see: <http://www.fpc.org/smoltqueries/currentsmptsubmitdata.asp>

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)
07/24/2017	---	---	---	---	0	0	19	0	0	---	---
07/25/2017	*	---	---	---	0	0	18	0	---	0	0
07/26/2017	---	---	---	---	0	0	0	0	0	---	---
07/27/2017	---	---	---	---	0	0	0	0	---	---	0
07/28/2017	*	---	---	---	0	0	0	0	0	0	---
07/29/2017	---	---	---	---	0	0	0	0	---	---	0
07/30/2017	---	---	---	---	0	0	7	0	0	---	---
07/31/2017	---	---	---	---	0	0	0	0	---	---	0
08/01/2017	*	---	---	---	0	0	0	0	0	0	---
08/02/2017	---	---	---	---	0	0	0	0	---	---	0
08/03/2017	---	---	---	---	---	0	7	0	0	---	---
08/04/2017	*	---	---	---	---	0	0	0	---	0	0
08/05/2017	---	---	---	---	---	0	0	0	0	---	---
08/06/2017	---	---	---	---	---	0	0	0	---	---	0
08/07/2017	*	---	---	---	---	---	---	---	0	---	---
Total:	0	0	0	0	0	0	51	0	0	0	0
# Days:	0	0	0	0	10	14	14	14	8	4	7
Average:	0	0	0	0	0	0	4	0	0	0	0
YTD	33,704	22,233	21,106	8	3,998,337	2,400,545	2,885,789	50,596	1,583,272	1,720,241	1,947,910

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)
07/24/2017	---	---	---	---	6,095	5,948	972	495	26,040	---	---
07/25/2017	*	---	---	---	5,980	8,680	984	372	---	1,237	25,164
07/26/2017	---	---	---	---	3,743	7,490	898	466	77,850	---	---
07/27/2017	---	---	---	---	5,518	3,679	354	501	---	---	36,413
07/28/2017	*	---	---	---	3,698	2,801	296	630	31,486	2,068	---
07/29/2017	---	---	---	---	3,127	2,572	202	766	---	---	25,034
07/30/2017	---	---	---	---	1,700	2,469	204	382	23,948	---	---
07/31/2017	---	---	---	---	1,425	1,272	339	467	---	---	16,887
08/01/2017	*	---	---	---	1,013	961	192	411	18,811	1,294	---
08/02/2017	---	---	---	---	1,349	772	279	304	---	---	10,254
08/03/2017	---	---	---	---	---	694	118	165	0	---	---
08/04/2017	*	---	---	---	---	649	80	174	---	430	4,027
08/05/2017	---	---	---	---	---	469	68	131	6,771	---	---
08/06/2017	---	---	---	---	---	530	35	175	---	---	565
08/07/2017	*	---	---	---	---	---	---	---	4,239	---	---
Total:	0	0	0	0	33,648	38,986	5,021	5,439	189,145	5,029	118,344
# Days:	0	0	0	0	10	14	14	14	8	4	7
Average:	0	0	0	0	3,365	2,785	359	389	23,643	1,257	16,906
YTD	0	11	40	0	1,020,549	1,057,398	654,447	71,356	2,443,892	1,066,683	4,037,168

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)
07/24/2017	---	---	---	---	0	0	0	0	0	---	---
07/25/2017	*	---	---	---	0	0	0	0	---	0	0
07/26/2017	---	---	---	---	0	0	0	0	0	---	---
07/27/2017	---	---	---	---	0	0	0	0	---	---	0
07/28/2017	*	---	---	---	0	0	0	0	0	0	---
07/29/2017	---	---	---	---	0	0	0	0	---	---	0
07/30/2017	---	---	---	---	0	0	0	0	0	---	---
07/31/2017	---	---	---	---	0	0	0	0	---	---	0
08/01/2017	*	---	---	---	0	0	0	1	0	0	---
08/02/2017	---	---	---	---	0	0	0	0	---	---	0
08/03/2017	---	---	---	---	---	0	0	0	0	---	---
08/04/2017	*	---	---	---	---	0	0	0	---	0	0
08/05/2017	---	---	---	---	---	0	0	0	0	---	---
08/06/2017	---	---	---	---	---	0	0	0	---	---	0

08/07/2017	*	---	---	---	---	---	---	---	---	0	---	---
Total:		0	0	0	0	0	0	0	1	0	0	0
# Days:		0	0	0	0	10	14	14	14	8	4	7
Average:		0	0	0	0	0	0	0	0	0	0	0
YTD		0	0	2,232	0	128,502	86,636	69,601	35,299	86,630	96,620	356,042

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)	
07/24/2017	---	---	---	---	38	0	0	3	0	---	---	---
07/25/2017	*	---	---	---	36	0	0	1	---	0	0	---
07/26/2017	---	---	---	---	36	0	0	1	0	---	---	---
07/27/2017	---	---	---	---	0	29	18	0	---	---	0	---
07/28/2017	*	---	---	---	0	0	0	0	0	0	0	---
07/29/2017	---	---	---	---	0	14	0	0	---	---	0	---
07/30/2017	---	---	---	---	0	11	0	0	0	---	---	---
07/31/2017	---	---	---	---	0	0	0	0	---	---	0	---
08/01/2017	*	---	---	---	0	0	0	0	0	0	0	---
08/02/2017	---	---	---	---	0	6	0	0	---	---	0	---
08/03/2017	---	---	---	---	---	6	0	0	0	---	---	---
08/04/2017	*	---	---	---	---	6	0	0	---	0	0	---
08/05/2017	---	---	---	---	---	6	0	0	0	---	---	---
08/06/2017	---	---	---	---	---	3	4	1	---	---	0	---
08/07/2017	*	---	---	---	---	---	---	---	0	---	---	---
Total:		0	0	0	110	81	22	6	0	0	0	0
# Days:		0	0	0	10	14	14	14	8	4	7	
Average:		0	0	0	0	11	6	2	0	0	0	0
YTD		7,117	15,916	7,614	1	4,065,200	1,853,147	2,517,511	32,131	442,839	1,317,075	264,513

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)	
07/24/2017	---	---	---	---	0	0	0	0	0	---	---	---
07/25/2017	*	---	---	---	0	1	0	3	---	0	58	---
07/26/2017	---	---	---	---	36	1	0	4	207	---	---	---
07/27/2017	---	---	---	---	0	0	0	1	---	---	0	---
07/28/2017	*	---	---	---	0	0	0	1	0	0	---	---
07/29/2017	---	---	---	---	0	0	0	3	---	---	0	---
07/30/2017	---	---	---	---	0	0	0	0	0	---	---	---
07/31/2017	---	---	---	---	0	0	0	0	---	---	16	---
08/01/2017	*	---	---	---	0	0	0	0	0	0	---	---
08/02/2017	---	---	---	---	0	0	0	3	---	---	0	---
08/03/2017	---	---	---	---	---	0	0	1	0	---	---	---
08/04/2017	*	---	---	---	---	0	0	0	---	0	0	---
08/05/2017	---	---	---	---	---	0	0	0	0	---	---	---
08/06/2017	---	---	---	---	---	6	0	1	---	---	55	---
08/07/2017	*	---	---	---	---	---	---	---	42	---	---	---
Total:		0	0	0	36	8	0	17	249	0	129	
# Days:		0	0	0	10	14	14	14	8	4	7	
Average:		0	0	0	4	1	0	1	31	0	18	
YTD		6	0	0	0	61,191	24,463	34,028	11,172	156,329	117,048	145,281

COMBINED LAMPREY JUVENILES												
Date	WTB (Coll)	IMN (Coll)	GRN (Coll)	LEW (Coll)	LGR [†] (Samp)	LGS (Coll)	LMN (Coll)	RIS (Coll)	MCN (Coll)	JDA (Coll)	BO2 (Coll)	
07/24/2017	---	---	---	---	0	30	0	0	0	---	---	---
07/25/2017	*	---	---	---	1	0	10	0	---	0	0	---
07/26/2017	---	---	---	---	4	30	0	0	100	---	---	---
07/27/2017	---	---	---	---	1	0	0	0	---	---	0	---
07/28/2017	*	---	---	---	0	10	0	0	200	0	---	---
07/29/2017	---	---	---	---	0	30	0	1	---	---	0	---
07/30/2017	---	---	---	---	0	16	0	0	0	---	---	---
07/31/2017	---	---	---	---	0	8	0	0	---	---	0	---
08/01/2017	*	---	---	---	0	0	0	0	0	0	---	---
08/02/2017	---	---	---	---	0	12	0	0	---	---	0	---
08/03/2017	---	---	---	---	---	12	0	0	0	---	---	---
08/04/2017	*	---	---	---	---	6	2	0	---	0	0	---
08/05/2017	---	---	---	---	---	8	0	0	0	---	---	---
08/06/2017	---	---	---	---	---	8	0	0	---	---	0	---

08/07/2017	*	---	---	---	---	---	---	---	---	0	---	---
Total:		0	0	0	0	6	170	12	1	300	0	0
# Days:		0	0	0	0	10	14	14	14	8	4	7
Average:		0	0	0	0	1	12	1	0	38	0	0
YTD		0	3	4	0	287	7,145	2,982	58	32,805	62,483	42,204

* See sampling comments <http://www.fpc.org/currentDaily/smpcomments.htm>

Smolt indices, clipped & unclipped or combined, are presented in the following order: yearling chinook (chinook 1's), subyearling chinook (chinook 0's), steelhead, coho, sockeye, and lamprey juveniles.

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.

The classes of counts presented in the report are defined below for each site. 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.

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.

† In 2013 it was confirmed that 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.

Definitions for Smolt Index Counts

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

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

LGS (Index) = Little Goose Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

LMN (Index) = Lower Monumental Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

RIS (Index) = Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 2 Flow / (Powerhouse 1 & 2 Flow + Spill)}

MCN (Index) = McNary Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

JDA (Index) = John Day Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

BO2 (Index) = Bonneville Dam Second Powerhouse Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 2 Flow / (Powerhouse 1 & 2 Flow + Spill)}

JDA and BO2 data collected for the FPC by Pacific States Marine Fisheries Commission.

RIS data collected for the FPC by Chelan Co. PUD.

LGR, LMN, and MCN data collected for the FPC by Washington Dept. of Fish and Wildlife.

LGS and GRN data collected for the FPC by Oregon Dept. of Fish and Wildlife.

IMN data collected for the FPC by the Nez Perce Tribe.

Fall (post SMP season) trapping at the Imnaha River Fish Trap (IMN) is funded by the Lower Snake River Compensation Program (LSRCP)

WTB and LEW data collected for the FPC by Idaho Dept. of Fish and Game.

2017 ADULT SALMON COUNTS

Daily Totals for Last 7 days and Year to Date Totals (based on reporting dates since 2000)

[[FPC Home](#)] [[Adult Salmon Home](#)]

[Corp of Engineers Adult Fish Count Queries by Project and Fish Ladder](#)

NOTE:

- These data are updated as soon as the Corp of Engineers provides the data to us.

MORE HOT LINKS:

GO TO: [Adult Count RSS Feed](#) or [Annual Totals](#) or 10 Yr. Avg. vs 2017 and 2016 [Graph Table](#) or [Water Flow & Spill](#) or [Current Water Temperature \(January through December\)](#) or [Current vs. Historical Water Temperature \(April through Aug\) Offline until April](#)

FISHING REPORTS: [Oregon](#) or [Washington](#) or [Idaho](#)

WILLAMETTE FALLS 2)

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	2	3	2	3	n/a	n/a	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a	n/a	WFA
08/01/17	2	0	2	0	n/a	n/a	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a	n/a	WFA
08/02/17	11	2	11	2	n/a	n/a	0	0	0	0	1	n/a	n/a	n/a	n/a	n/a	n/a	WFA
08/03/17	0	1	0	1	n/a	n/a	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a	n/a	WFA
08/04/17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08/05/17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08/06/17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YTD	34116	2429	34116	2429	n/a	n/a	0	0	0	0	2658	n/a	n/a	n/a	n/a	n/a	n/a	

BONNEVILLE DAM

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD 6)	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	418	46	0	0	418	46	0	0	0	0	1052	473	888	59	495	0	0	USACE
08/01/17	354	38	0	0	0	0	354	38	0	0	914	429	846	44	566	0	0	USACE
08/02/17	493	51	0	0	0	0	493	51	0	0	1617	732	1432	39	936	0	0	USACE
08/03/17	396	59	0	0	0	0	396	59	0	0	1950	817	651	25	863	0	0	USACE
08/04/17	263	48	0	0	0	0	263	48	0	0	1721	677	565	19	543	0	0	USACE
08/05/17	216	45	0	0	0	0	216	45	0	0	2102	826	388	20	592	0	0	USACE
08/06/17	154	30	0	0	0	0	154	30	0	0	1336	460	241	14	496	0	0	USACE
YTD	173544	29029	83624	18110	88044	10648	1876	271	0	0	32440	15248	3098891	87572	75554	0	0	

THE DALLES DAM 2) **)

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	272	31	0	0	272	31	0	0	0	0	372	194	n/a	26	367	0	0	USACE
08/01/17	268	41	0	0	268	41	0	0	0	0	284	152	n/a	35	213	0	0	USACE
08/02/17	226	25	0	0	226	25	0	0	0	0	288	133	n/a	25	255	0	0	USACE
08/03/17	198	37	0	0	198	37	0	0	0	0	224	113	n/a	33	141	0	0	USACE
08/04/17	156	38	0	0	0	0	156	38	0	0	195	101	n/a	14	133	0	0	USACE
08/05/17	130	28	0	0	0	0	130	28	0	0	180	78	n/a	18	135	0	0	USACE
08/06/17	126	18	0	0	0	0	126	18	0	0	125	62	n/a	6	118	0	0	USACE
YTD	127966	21858	58308	12497	69246	9277	412	84	0	0	7867	4197	n/a	63859	25286	0	0	

JOHN DAY DAM 2)

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	148	32	0	0	148	32	0	0	0	0	146	90	n/a	34	196	0	0	USACE
08/01/17	156	30	0	0	156	30	0	0	0	0	145	101	n/a	19	213	0	0	USACE
08/02/17	315	55	0	0	315	55	0	0	0	0	179	102	n/a	37	246	0	0	USACE
08/03/17	156	29	0	0	156	29	0	0	0	0	79	41	n/a	19	154	0	0	USACE
08/04/17	114	20	0	0	114	20	0	0	0	0	59	34	n/a	7	124	0	0	USACE
08/05/17	107	30	0	0	107	30	0	0	0	0	46	25	n/a	16	115	0	0	USACE
08/06/17	89	26	0	0	0	0	89	26	0	0	68	31	n/a	11	123	0	0	USACE
YTD	107180	19864	46675	12475	60416	7363	89	26	0	0	4358	2886	n/a	65836	17998	0	0	

MCNARY DAM **)

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	212	19	0	0	212	19	0	0	0	0	141	95	3756	12	75	0	0	USACE
08/01/17	314	49	0	0	314	49	0	0	0	0	115	65	2622	29	23	0	0	USACE
08/02/17	207	24	0	0	207	24	0	0	0	0	117	71	1995	23	36	0	0	USACE
08/03/17	165	23	0	0	165	23	0	0	0	0	72	32	1743	11	34	0	0	USACE
08/04/17	188	17	0	0	188	17	0	0	0	0	95	64	3421	8	45	0	0	USACE
08/05/17	134	19	0	0	134	19	0	0	0	0	91	56	3804	8	27	0	0	USACE
08/06/17	114	19	0	0	114	19	0	0	0	0	89	53	2439	4	30	0	0	USACE
YTD	101062	11600	44292	7020	56770	4580	0	0	0	0	5153	2351	1584072	57934	1607	0	0	

ICE HARBOR DAM

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	33	5	0	0	33	5	0	0	0	0	29	22	131	0	60	0	0	USACE
08/01/17	23	6	0	0	23	6	0	0	0	0	29	14	160	0	18	0	0	USACE
08/02/17	30	8	0	0	30	8	0	0	0	0	29	18	166	1	23	0	0	USACE
08/03/17	12	5	0	0	12	5	0	0	0	0	36	15	114	1	9	0	0	USACE
08/04/17	23	4	0	0	23	4	0	0	0	0	25	12	89	1	14	0	0	USACE
08/05/17	16	0	0	0	16	0	0	0	0	0	20	10	356	0	22	0	0	USACE
08/06/17	22	0	0	0	22	0	0	0	0	0	25	17	166	0	5	0	0	USACE
YTD	37494	9023	28306	6949	9188	2074	0	0	0	0	2181	1120	366801	391	850	0	0	

LOWER MONUMENTAL DAM 2)

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	27	7	0	0	27	7	0	0	0	0	56	31	n/a	1	2	0	0	USACE
08/01/17	25	1	0	0	25	1	0	0	0	0	38	33	n/a	0	15	0	0	USACE
08/02/17	17	11	0	0	17	11	0	0	0	0	34	23	n/a	0	10	0	0	USACE
08/03/17	9	6	0	0	9	6	0	0	0	0	20	7	n/a	0	6	0	0	USACE
08/04/17	37	15	0	0	37	15	0	0	0	0	56	43	n/a	0	8	0	0	USACE
08/05/17	8	6	0	0	8	6	0	0	0	0	36	25	n/a	0	9	0	0	USACE
08/06/17	19	3	0	0	19	3	0	0	0	0	38	23	n/a	0	5	0	0	USACE
YTD	36644	11629	28545	8270	8099	3359	0	0	0	0	2518	1370	n/a	345	244	0	0	

LITTLE GOOSE DAM 2)

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	30	4	0	0	30	4	0	0	0	0	19	13	n/a	0	6	0	0	USACE
08/01/17	18	11	0	0	18	11	0	0	0	0	19	17	n/a	0	5	0	0	USACE
08/02/17	31	6	0	0	31	6	0	0	0	0	27	16	n/a	0	10	0	0	USACE
08/03/17	12	6	0	0	12	6	0	0	0	0	9	7	n/a	0	5	0	0	USACE
08/04/17	6	6	0	0	6	6	0	0	0	0	8	6	n/a	0	10	0	0	USACE
08/05/17	19	7	0	0	19	7	0	0	0	0	5	1	n/a	0	11	0	0	USACE
08/06/17	12	0	0	0	12	0	0	0	0	0	8	4	n/a	0	7	0	0	USACE
YTD	35565	12050	26598	8335	8967	3715	0	0	0	0	1954	964	n/a	285	367	0	0	

LOWER GRANITE DAM 3)

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD 6)	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	38	13	0	0	38	13	0	0	0	0	15	14	247	0	6	0	0	USACE
08/01/17	42	12	0	0	42	12	0	0	0	0	10	8	250	0	8	0	0	USACE
08/02/17	44	2	0	0	44	2	0	0	0	0	12	10	91	0	8	0	0	USACE
08/03/17	47	7	0	0	47	7	0	0	0	0	15	13	168	0	8	0	0	USACE
08/04/17	37	7	0	0	37	7	0	0	0	0	17	11	256	0	12	0	0	USACE
08/05/17	29	6	0	0	29	6	0	0	0	0	13	7	155	0	4	0	0	USACE
08/06/17	29	6	0	0	29	6	0	0	0	0	4	2	104	0	8	0	0	USACE
YTD	36123	11847	27357	8256	8766	3591	0	0	0	0	7670	3298	27415	225	225	0	0	

PRIEST RAPIDS DAM 1) 4)

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	350	24	0	0	350	24	0	0	0	0	33	n/a	53	53	803	0	0	GCPUD
08/01/17	327	41	0	0	327	41	0	0	0	0	21	n/a	31	31	630	0	0	GCPUD
08/02/17	280	39	0	0	280	39	0	0	0	0	41	n/a	35	23	682	0	0	GCPUD
08/03/17	226	47	0	0	226	47	0	0	0	0	28	n/a	65	24	654	0	0	GCPUD
08/04/17	198	28	0	0	198	28	0	0	0	0	37	n/a	84	21	731	0	0	GCPUD
08/05/17	257	31	0	0	257	31	0	0	0	0	26	n/a	67	27	545	0	0	GCPUD
08/06/17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YTD	59183	2378	7268	783	51915	1595	0	0	0	0	598	n/a	7142	66594	13675	0	0	

WANAPUM DAM

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	270	23	0	0	270	23	0	0	0	0	17	n/a	1	100	707	0	0	GCPUD
08/01/17	214	4	0	0	214	4	0	0	0	0	6	n/a	3	55	784	0	0	GCPUD
08/02/17	284	44	0	0	284	44	0	0	0	0	22	n/a	2	28	521	0	0	GCPUD
08/03/17	172	11	0	0	172	11	0	0	0	0	15	n/a	7	68	537	0	0	GCPUD
08/04/17	256	13	0	0	256	13	0	0	0	0	39	n/a	-1	140	756	0	0	GCPUD
08/05/17	204	18	0	0	204	18	0	0	0	0	27	n/a	0	17	484	0	0	GCPUD
08/06/17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YTD	54824	1704	6612	484	48212	1220	0	0	0	0	465	n/a	304	75986	9797	0	0	

ROCK ISLAND DAM 2) 4) 7)

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	406	24	0	0	406	24	0	0	0	0	19	12	n/a	109	307	0	0	CHPUD
08/01/17	451	23	0	0	451	23	0	0	0	0	21	15	n/a	140	408	0	0	CHPUD
08/02/17	358	21	0	0	358	21	0	0	0	0	21	13	n/a	101	324	0	0	CHPUD
08/03/17	363	16	0	0	363	16	0	0	0	0	26	18	n/a	78	222	0	0	CHPUD

7 Day and YTD Adult Counts

08/04/17	276	29	0	0	276	29	0	0	0	0	28	12	n/a	55	300	0	0	CHPUD
08/05/17	292	29	0	0	292	29	0	0	0	0	22	14	n/a	23	443	0	0	CHPUD
08/06/17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YTD	62233	1610	8080	564	54153	1046	0	0	0	0	446	258	n/a	72940	4334	0	0	

ROCKY REACH DAM 2) 4)

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	399	13	0	0	399	13	0	0	0	0	9	5	n/a	140	528	0	0	CHPUD
08/01/17	430	25	0	0	430	25	0	0	0	0	14	10	n/a	99	515	0	0	CHPUD
08/02/17	416	16	0	0	416	16	0	0	0	0	11	6	n/a	120	622	0	0	CHPUD
08/03/17	171	26	0	0	171	26	0	0	0	0	13	9	n/a	57	413	0	0	CHPUD
08/04/17	354	31	0	0	354	31	0	0	0	0	6	4	n/a	61	363	0	0	CHPUD
08/05/17	200	35	0	0	200	35	0	0	0	0	15	7	n/a	33	441	0	0	CHPUD
08/06/17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YTD	46103	1161	5864	406	40239	755	0	0	0	0	290	114	n/a	46470	4164	0	0	

WELLS DAM 2) 4)

DATE	CHINOOK ADULT	CHINOOK JACK	SPRING CHINOOK ADULT	SPRING CHINOOK JACK	SUMMER CHINOOK ADULT	SUMMER CHINOOK JACK	FALL CHINOOK ADULT	FALL CHINOOK JACK	COHO ADULT	COHO JACK	STEELHEAD	WILD 5) STEELHEAD	SHAD	SOCKEYE	LAMPREY	CHUM	PINK	SOURCE
07/31/17	457	29	0	0	457	29	0	0	0	0	6	4	n/a	185	0	0	0	DART
08/01/17	277	16	0	0	277	16	0	0	0	0	6	2	n/a	128	0	0	0	DART
08/02/17	328	24	0	0	328	24	0	0	0	0	8	4	n/a	122	1	0	0	DART
08/03/17	230	26	0	0	230	26	0	0	0	0	5	4	n/a	80	2	0	0	DART
08/04/17	166	24	0	0	166	24	0	0	0	0	8	6	n/a	73	0	0	0	DART
08/05/17	190	17	0	0	190	17	0	0	0	0	10	4	n/a	48	1	0	0	DART
08/06/17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YTD	33783	1627	6589	820	27194	807	0	0	0	0	189	112	n/a	41959	17	0	0	

NOTES:

- At Willamette Falls Dam, it takes the staff most of the day to accurately review one day of fish passage on tape when the counts are high. The WFA staff make every attempt to keep the counts as up-to-date as possible. Note: at WFA Monday's are extremely busy, as the staff attempt to catch-up with the weekend counts.
- The Corp of Engineers has stopped shad counting at The Dalles, starting in 2011 on the advice of the Fish Passage Operations and Management (FPOM) committee, made up of NOAA, CRITFC, ODFW, WDFW, IDFW, BPA, and COE biologists.
- ¹⁾ Since the year 2006, Priest Rapids Dam and Wanapum Dam jack counts have included mini jacks.
- ²⁾ Shad are not counted at Willamette Falls, The Dalles, John Day, Lower Monumental, Little Goose, Rock Island, Rocky Reach and Wells Dams
- ³⁾ Steelhead counts appear higher at Lower Granite Dam because most years a group which migrated into the river system between October and December overwinters below LGR and continues its migration in early March.
- ⁴⁾ As the Army Corp of Engineers no longer collects adult counts from the PUDs, we now get data directly from Chelan, Douglas and Grant Co. PUDs and DART.
- The steelhead counts include unclipped (wild) steelhead. It is not appropriate to add the steelhead counts and wild steelhead counts together.
- ⁵⁾ Wild steelhead are counted separately from hatchery steelhead at Corps dams on the Columbia and Snake Rivers. Wild steelhead are identified as fish with an intact adipose fin. However, a small number of hatchery fish may not have had their adipose fin removed. There are no wild steelhead counts at Priest Rapids or Willamette Falls. Willamette Falls counts for: Chinook, Steelhead, and Coho only.
- ⁶⁾ Shad are typically not counted at any of the Corps dams after August 31 each year and shad are not counted at all Corps dams. An n/a in the shad columns at Bonneville Dam and Lower Granite Dam after August 31st means that the shad are not being counted.
- ⁷⁾ In 2014, Grant County PUD trapped and transported hundreds of Lamprey above Rock Island Dam. Therefore, the ladder counts of Lamprey at Rock Island under estimate the true numbers of lamprey past the project.
- When the source column on this report reads 'unknown', 'ceftp', or 'TMT', it is because the counts have been gathered via the phone or ftp and are considered preliminary data. When the Corp of Engineers finalizes the counts and posts them on their website the source reads USACE.
- This report includes ALL available adult counts. The information in this report is preliminary.
- In 2012, the U.S. Army Corps of Engineers and NOAA Fisheries are currently developing automated counting systems for Lamprey Passage Structures (LPS) installed at Bonneville Dam. In the interest of publishing accurate counts, LPS counts will not be publicly posted in-season until the automated systems are fully operational.
- The adult counts in this report are based on reporting dates for dams recently established (2000). They are presented in the table below. A report with adult salmon counts based on historical dates (prior to 2000) can be found [here](#).
- The reporting dates table shows that several dams stop counting fish around November 15th each year. After a dam stops counting fish for the season, only the total number of fish are shown on this report.
- These data are updated periodically throughout the day. The FPC data retrieving robot searches the web for updated data every 30 minutes in the AM, and every hour in the PM.
- The last column " Source " shows where the data was imported from: NWACE is imported from the COE's Daily Fish Reports; USACE is from [US Army Corps of Engineers](#) fish count pages; CHPUD is from [Chelan PUD](#); GCPUD is from [Grant PUD](#) and DGPUD is from [Douglas PUD](#) and DART is from the [University of Washington's Data Access in Real Time](#), WFA is imported from [ODFW's Willamette Falls](#) website.
- Some of the sites are several days behind in reporting, but is reported by the COE as zero, so where zeros appear across all rows, the data should be considered as "not yet reported".
- Video counts can cause a delay in posting the data to the web, because the staff at the projects have to review the tapes.

2017-18 Adult Salmon Dam Count Monitoring Dates

Dam	Video Monitoring Dates		Direct Monitoring Dates
	Day	Night	
Bonneville Dam	March 1 - March 31, 2017	May 15 - September 30, 2016	April 1 to November 30, 2017
	December 1, 2017 - February 28, 2018		
The Dalles Dam		June 15 - September 30, 2017	April 1 to October 31, 2017
John Day Dam		June 15 - September 30, 2017	April 1 to October 31, 2017
McNary Dam		June 15 - September 30, 2017	April 1 to October 31, 2017
Ice Harbor Dam			April 1 to October 31, 2017
Lower Monumental Dam			April 1 to October 31, 2017
Little Goose Dam			April 1 to October 31, 2017

Lower Granite Dam	March 1 - March 31, 2017 November 1 - December 30, 2017	June 1 - September 30, 2017	April 1 - October 31, 2017
Priest Rapids Dam	April 15 - November 15, 2017 (24 hr)		
Wanapum Dam	April 15 - November 15, 2017 (24 hr)		
Rock Island Dam	April 14 - November 15, 2017 (24 hr)		
Rocky Reach Dam	April 14 - November 15, 2017 (24 hr)		
Wells Dam	May 1 - November 15, 2017 (24 hr)		
Willamette Falls	Count year round (24 hr)		

2016-2017 Columbia and Snake River Fishway Outages

Dam	Dates Fishways are Closed
Bonneville Dam	<ul style="list-style-type: none"> ● Bradford Island Fishway: Not Dewatering. ● Cascades Island Fishway: Not Dewatering. ● Washington Shore Fishway: December 1, 2016- February 28, 2017.
The Dalles Dam	<ul style="list-style-type: none"> ● East Fish Fishway: December 1, 2016 - February 28, 2017. ● North Fish Fishway: January 3, 2017 – January 17, 2017.
John Day Dam	<ul style="list-style-type: none"> ● North Fish Fishway: December 1, 2016 - January 10, 2017. ● South Fish Fishway: January 17, 2017 - February 28, 2017.
McNary Dam	<ul style="list-style-type: none"> ● Washington Shore Fishway: December 1, 2016 – January 27, 2017. ● Oregon Shore Fishway: January 28, 2017 - February 24, 2017.
Ice Harbor Dam	<ul style="list-style-type: none"> ● North Shore Fishway: January 3, 2017 - January 27, 2017. ● South Shore Fishway: January 30, 2017 - February 27, 2017.
Lower Monumental Dam	<ul style="list-style-type: none"> ● North Shore Fishway: January 3, 2017—January 30, 2017. ● South Shore Fishway: February 6, 2017 - February 28, 2017.
Little Goose Dam	<ul style="list-style-type: none"> ● January 2, 2017 - February 17, 2017.
Lower Granite Dam	<ul style="list-style-type: none"> ● January 2, 2017 – February 13, 2017.
Priest Rapids Dam	<ul style="list-style-type: none"> ● Left Bank Fishway: TBD ● Right Bank Fishway: TBD
Wanapum Dam	<ul style="list-style-type: none"> ● Right Bank Fishway: TBD ● Left Bank Fishway: TBD
Rock Island Dam	<ul style="list-style-type: none"> ● Right Bank Fishway: January 3, 2017 to January 24, 2017. ● Left Bank Fishway: December 19, 2017 to February 2, 2017. ● Middle Fishway: December 5, 2016 to December 30, 2016.
Rocky Reach Dam	<ul style="list-style-type: none"> ● December 12, 2016 to February 28, 2017.
Wells Dam	<ul style="list-style-type: none"> ● West Ladder: TBD ● East Ladder: TBD

- Data source: Corp of Engineers, Dewatering Plans and Schedules. Available online at: <http://www.nwd-uc.usace.army.mil/tmt/documents/FPOM/2010/Plans%20lists%20charts/>

YEAR-TO-DATE ADULT RETURN COMPARISON REPORT

[[FPC Home](#)] [[Adult Salmon Home](#)]

Dam	End Date	Spring Chinook						Summer Chinook						Fall Chinook					
		2017		2016		10-yr Avg		2017		2016		10-yr Avg		2017		2016		10-yr Avg	
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	08/06	83624	18110	137215	11145	150783	25708	88044	10648	119591	10834	97732	22097	1876	271	4445	472	2899	624
TDA	08/06	58308	12497	105504	9999	118766	22002	69246	9277	95764	8800	81626	17772	412	84	1640	190	1099	283
JDA	08/06	46675	12475	93659	8262	103450	20515	60416	7363	90259	7715	73088	17197	89	26	421	52	257	88
MCN	08/06	44292	7020	87191	7374	93925	16835	56770	4580	83085	6432	68586	12797	0	0	0	0	0	0
IHR	08/06	28306	6949	67484	5029	68114	11248	9188	2074	13441	1480	18637	4825	0	0	0	0	0	0
LMN	08/06	28545	8270	66115	6266	68087	10905	8099	3359	11808	2252	19579	5732	0	0	0	0	1	0
LGS	08/06	26598	8335	62597	6365	63765	12007	8967	3715	11718	1861	18710	6252	0	0	0	0	0	0
LGR	08/06	27357	8256	62050	5480	62403	13092	8766	3591	11047	1988	16658	6698	0	0	0	0	0	0
PRD	08/05	7268	783	16843	1003	17901	1826	51915	1595	77983	4798	55062	2361	0	0	0	0	0	0
WAN	08/05	6612	484	17164	919	17602	2161	48212	1220	77073	3873	52578	1919	0	0	0	0	0	0
RIS	08/05	8080	564	18646	715	18006	2748	54153	1046	75270	2697	52607	4445	0	0	0	0	0	0
RRH	08/05	5864	406	9449	351	7849	1209	40239	755	54273	2138	40798	3038	0	0	0	0	0	0
WEL	08/05	6589	820	11789	833	8215	1601	27194	807	39316	2000	29985	2634	0	0	0	0	0	0
WFA	08/03	34116	2429	30118	2114	34486	1436	0	0	0	0	0	0	0	0	0	0	0	0

Dam	End Date	Coho						Sockeye			Steelhead						Lamprey			Shad		
		2017		2016		10-yr Avg		2017	2016	10 Year	2017	2016	10 Year	2017	2016	10 Year	2017	2016	10 Year			
		Adult	Jack	Adult	Jack	Adult	Jack	Adult	Adult	Adult	Adult	Adult	Unclipped	Unclipped	Unclipped							
BON	08/06	0	0	3	1	6	2	87572	342082	315409	32440	71316	130773	15248	26718	56863	75554	42855	19744	3098891	1766922	2044228
TDA	08/06	0	0	0	0	0	0	63859	287885	268910	7867	23767	66805	4197	11091	31621	25286	8299	4945	0	0	827408
JDA	08/06	0	0	0	0	3	1	65836	289414	260154	4358	14466	47367	2886	7506	21461	17998	6730	3681	0	0	0
MCN	08/06	0	0	0	0	1	0	57934	261263	226037	5153	12449	35317	2351	5987	14454	1607	886	711	1584072	1000424	741756
IHR	08/06	0	0	0	0	0	0	391	893	919	2181	7626	19742	1120	3300	6044	850	589	185	366801	264580	144999
LMN	08/06	0	0	0	0	0	0	345	998	1087	2518	7112	20230	1370	3702	7165	244	164	41	0	0	0
LGS	08/06	0	0	0	0	0	0	285	936	1017	1954	7142	11051	964	3862	4917	367	126	21	0	0	0
LGR	08/06	0	0	0	0	0	0	225	796	1040	7670	8514	13368	3298	4659	5405	225	67	6	27415	41491	16626
PRD	08/05	0	0	0	1	0	0	66594	310578	266194	598	1894	3537	0	0	0	13675	3745	1416	7142	10439	5983
WAN	08/05	0	0	0	0	0	0	75986	321731	235111	465	1714	3466	0	0	0	9797	1854	620	304	559	260
RIS	08/05	0	0	0	0	0	0	72940	309051	257837	446	1369	2364	258	616	1225	4334	520	166	0	0	0
RRH	08/05	0	0	0	0	0	0	46470	234708	216723	290	976	1698	114	388	824	4164	391	136	0	0	0
WEL	08/05	0	0	0	0	0	0	41959	214312	205296	189	681	788	112	272	389	17	1	0	0	0	0
WFA	08/03	0	0	0	0	0	0	0	0	0	2658	26548	21965	0	0	0	0	0	0	0	0	0

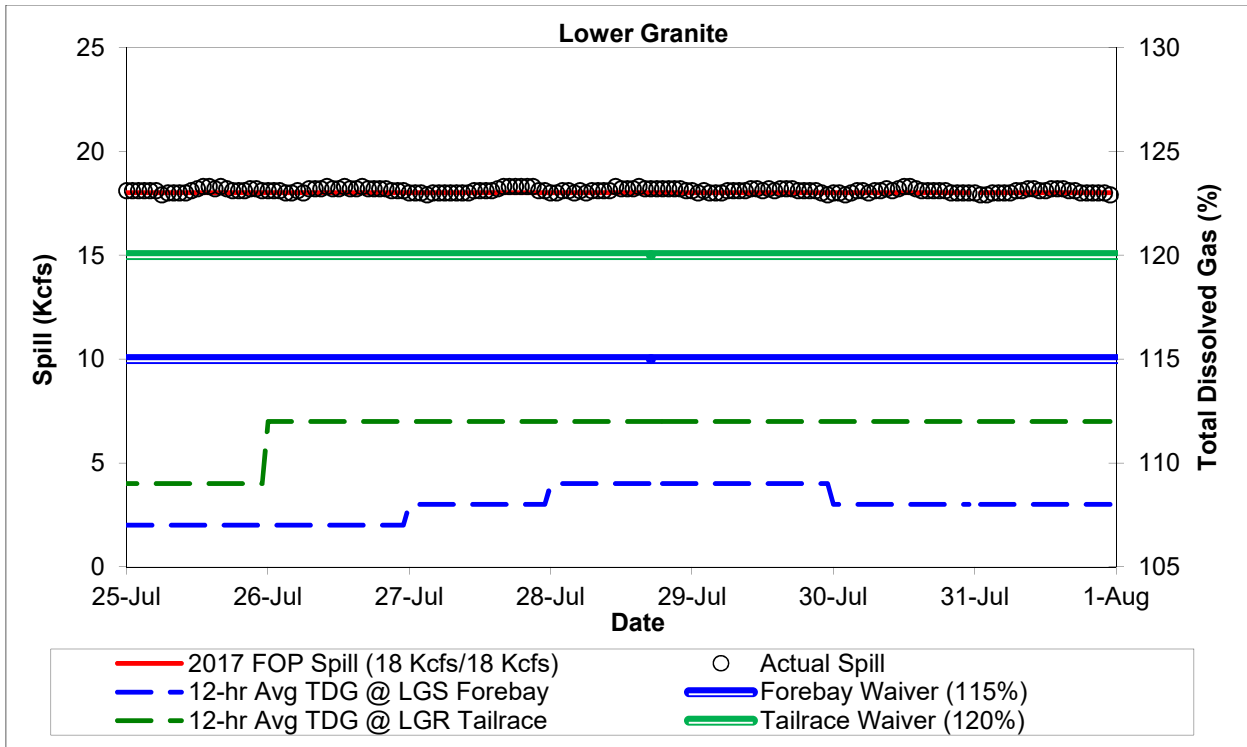
NOTES:

- Since the year 2006, Priest Rapids Dam jack counts have included mini jacks.
- BON=Bonneville, TDA=The Dalles, JDA=John Day, MCN=McNary, LMN=Lower Monumental, LGS=Little Goose, LGR=Lower Granite, PRD= Priest Rapids, RIS=Rock Island, RRH=Rocky Reach, WEL=Wells, WFA Willamette Falls Dam
- This report is based on historic dam counting dates. In January and February, Willamette Falls Dam is the only project that appears on the report because historically it collected data during this time period.
- End Date is the last day of data we have for that site - the 2014 and 10 year average are also run to this end date.
- PRD is not posting wild steelhead numbers.
- These numbers were collected from USACE, Grant PUD, Douglas PUD, Chelan PUD, ODFW and DART.
- Shad data are not available at WEL, WFA, RIS, and RRH.
- Wild steelhead numbers are included in the total. Wild Steelhead are defined as unclipped fish.
- Historic counts (pre-1996) were obtained from CRITFC and compiled by the FPC.
- Historic counts 1997 to present were obtained from the Corps of Engineers.

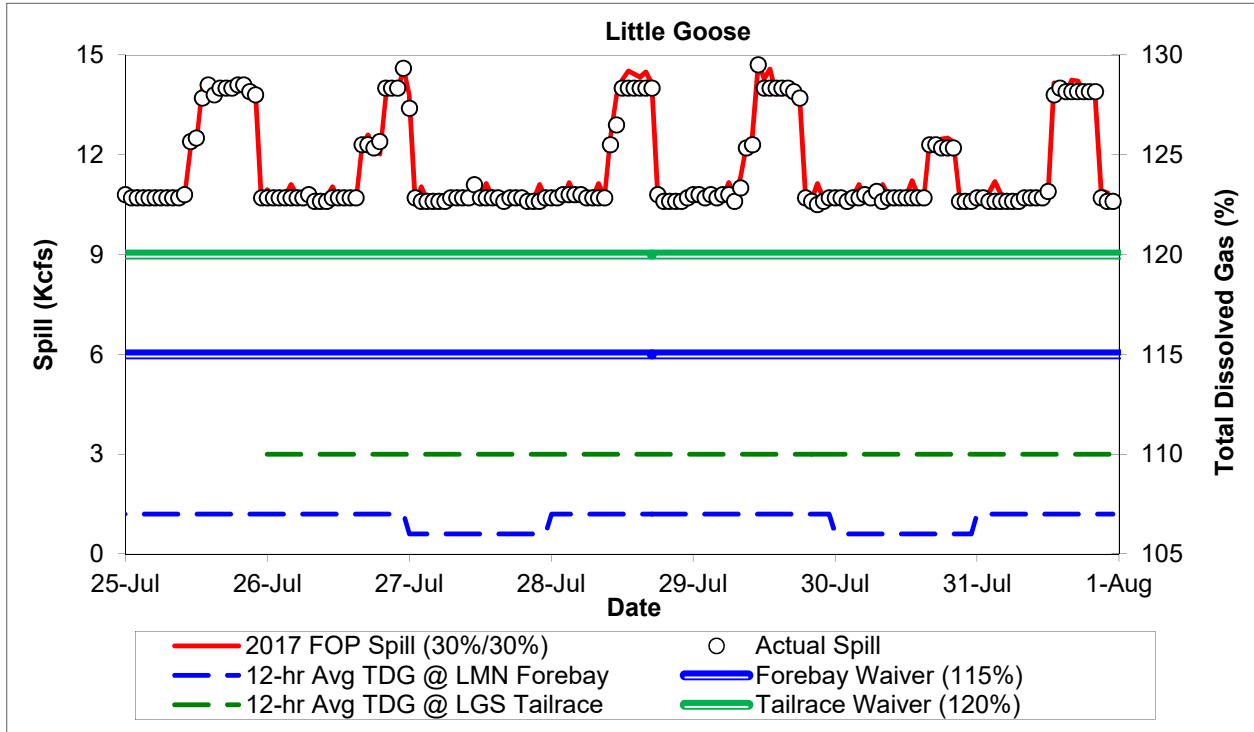
Page design last updated on: March 9, 2017

This website designed for 1024 x 768 or higher resolution. Questions and comments to: webmaster@fpc.org

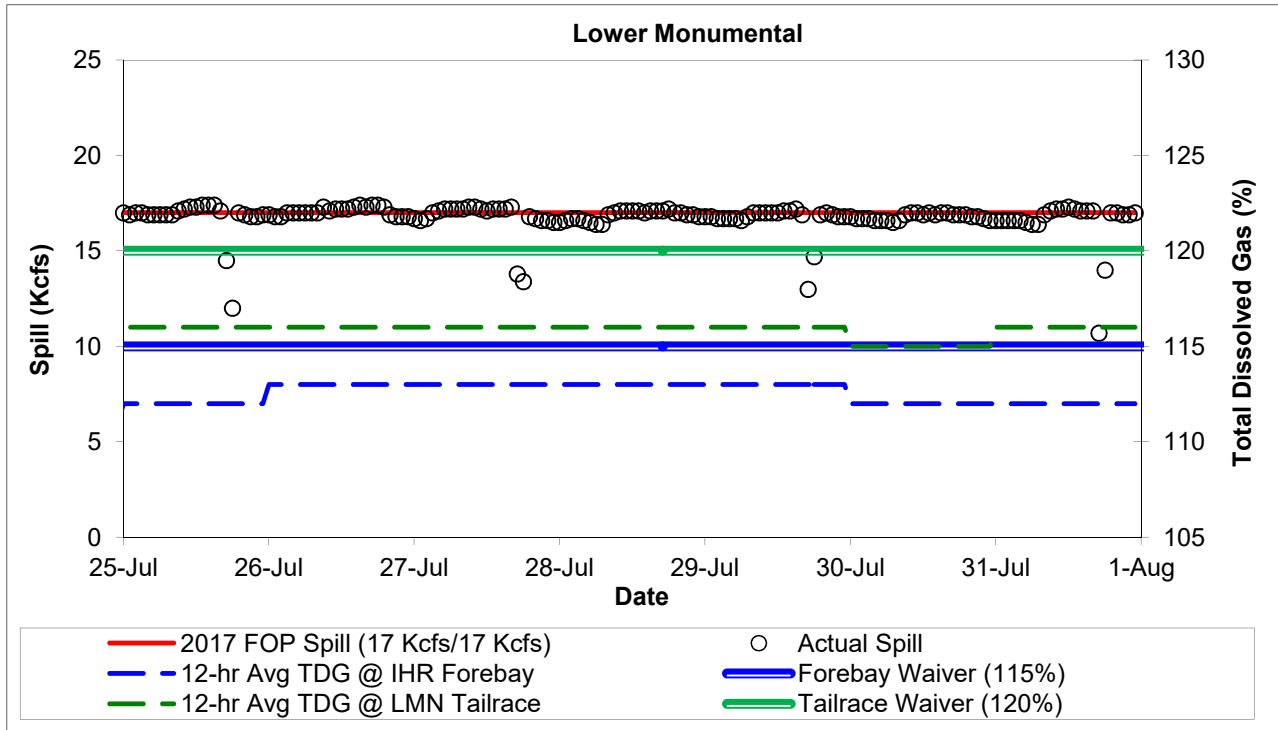
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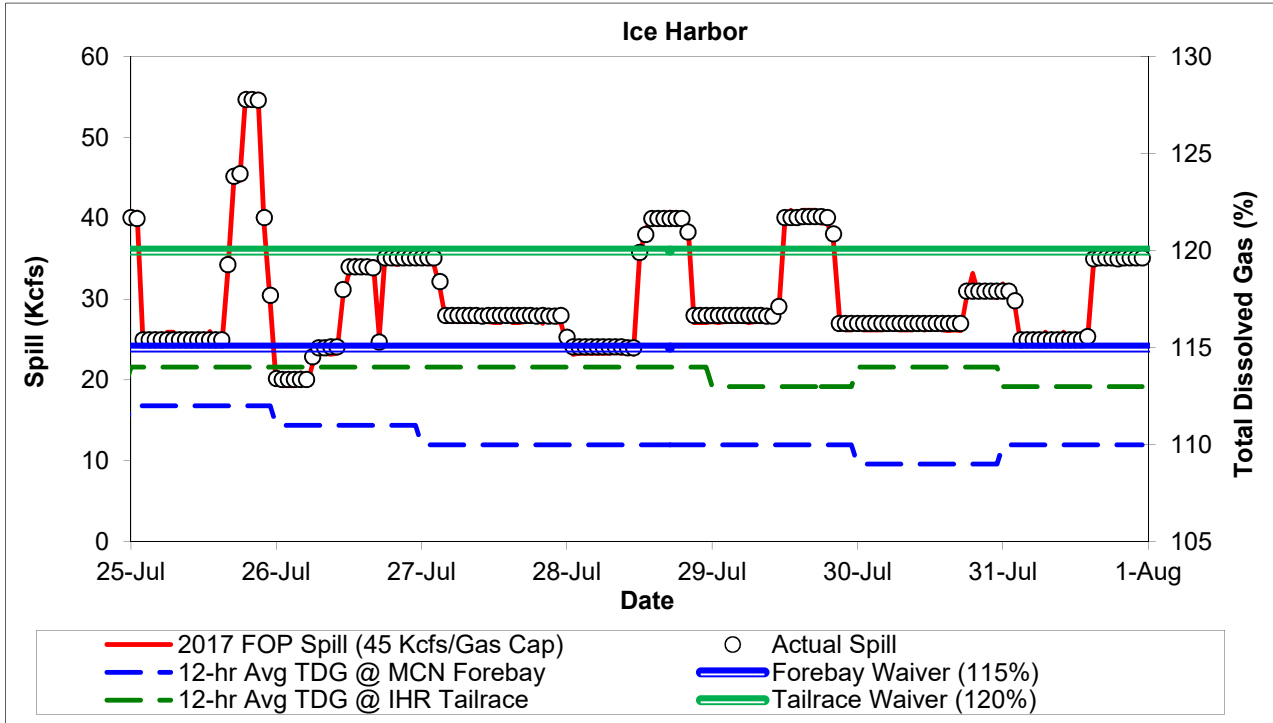
7/25/2017	2017 FOP: 18 Kcfs/18 Kcfs; 24-hr Avg Spill = 18.1 Kcfs; LGR Tailrace (12-hr Avg TDG = 109%) - TDG waiver not exceeded; LGS Forebay (12-hr Avg TDG = 107%) - TDG waiver not exceeded;
7/26/2017	2017 FOP: 18 Kcfs/18 Kcfs; 24-hr Avg Spill = 18.2 Kcfs; LGR Tailrace (12-hr Avg TDG = 112%) - TDG waiver not exceeded; LGS Forebay (12-hr Avg TDG = 107%) - TDG waiver not exceeded;
7/27/2017	2017 FOP: 18 Kcfs/18 Kcfs; 24-hr Avg Spill = 18.1 Kcfs; LGR Tailrace (12-hr Avg TDG = 112%) - TDG waiver not exceeded; LGS Forebay (12-hr Avg TDG = 108%) - TDG waiver not exceeded;
7/28/2017	2017 FOP: 18 Kcfs/18 Kcfs; 24-hr Avg Spill = 18.1 Kcfs; LGR Tailrace (12-hr Avg TDG = 112%) - TDG waiver not exceeded; LGS Forebay (12-hr Avg TDG = 109%) - TDG waiver not exceeded;
7/29/2017	2017 FOP: 18 Kcfs/18 Kcfs; 24-hr Avg Spill = 18.1 Kcfs; LGR Tailrace (12-hr Avg TDG = 112%) - TDG waiver not exceeded; LGS Forebay (12-hr Avg TDG = 109%) - TDG waiver not exceeded;
7/30/2017	2017 FOP: 18 Kcfs/18 Kcfs; 24-hr Avg Spill = 18.1 Kcfs; LGR Tailrace (12-hr Avg TDG = 112%) - TDG waiver not exceeded; LGS Forebay (12-hr Avg TDG = 108%) - TDG waiver not exceeded;
7/31/2017	2017 FOP: 18 Kcfs/18 Kcfs; 24-hr Avg Spill = 18.1 Kcfs; LGR Tailrace (12-hr Avg TDG = 112%) - TDG waiver not exceeded; LGS Forebay (12-hr Avg TDG = 108%) - TDG waiver not exceeded;



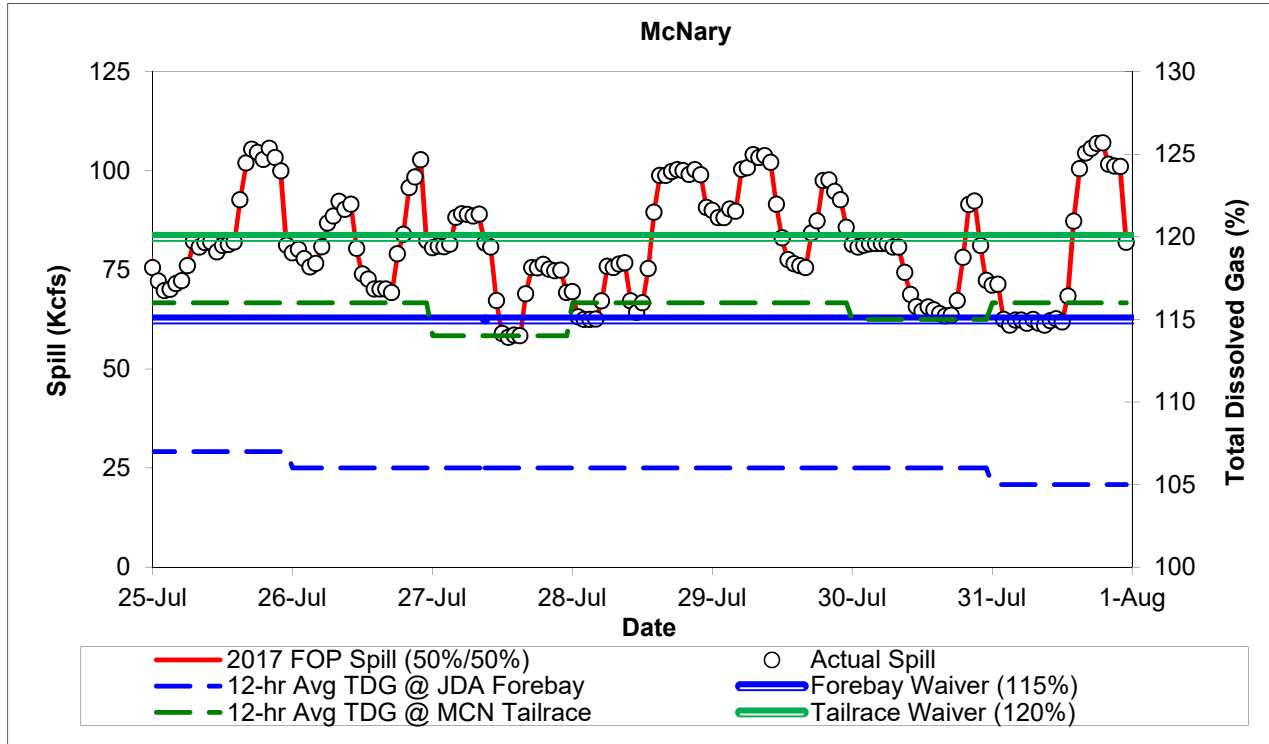
7/25/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 12.2 Kcfs (29.9%); LGS Tailrace (12-hr Avg TDG = N/A) - TDG monitor malfunction; LMN Forebay (12-hr Avg TDG = 107%) - TDG waiver not exceeded;
7/26/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 11.6 Kcfs (29.9%); LGS Tailrace (12-hr Avg TDG = 110%) - TDG waiver not exceeded; LMN Forebay (12-hr Avg TDG = 107%) - TDG waiver not exceeded;
7/27/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 10.7 Kcfs (29.9%); LGS Tailrace (12-hr Avg TDG = 110%) - TDG waiver not exceeded; LMN Forebay (12-hr Avg TDG = 106%) - TDG waiver not exceeded;
7/28/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 11.7 Kcfs (29.6%); LGS Tailrace (12-hr Avg TDG = 110%) - TDG waiver not exceeded; LMN Forebay (12-hr Avg TDG = 107%) - TDG waiver not exceeded;
7/29/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 11.9 Kcfs (29.6%); LGS Tailrace (12-hr Avg TDG = 110%) - TDG waiver not exceeded; LMN Forebay (12-hr Avg TDG = 107%) - TDG waiver not exceeded;
7/30/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 11.0 Kcfs (29.6%); LGS Tailrace (12-hr Avg TDG = 110%) - TDG waiver not exceeded; LMN Forebay (12-hr Avg TDG = 106%) - TDG waiver not exceeded;
7/31/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 11.7 Kcfs (29.6%); LGS Tailrace (12-hr Avg TDG = 110%) - TDG waiver not exceeded; LMN Forebay (12-hr Avg TDG = 107%) - TDG waiver not exceeded;



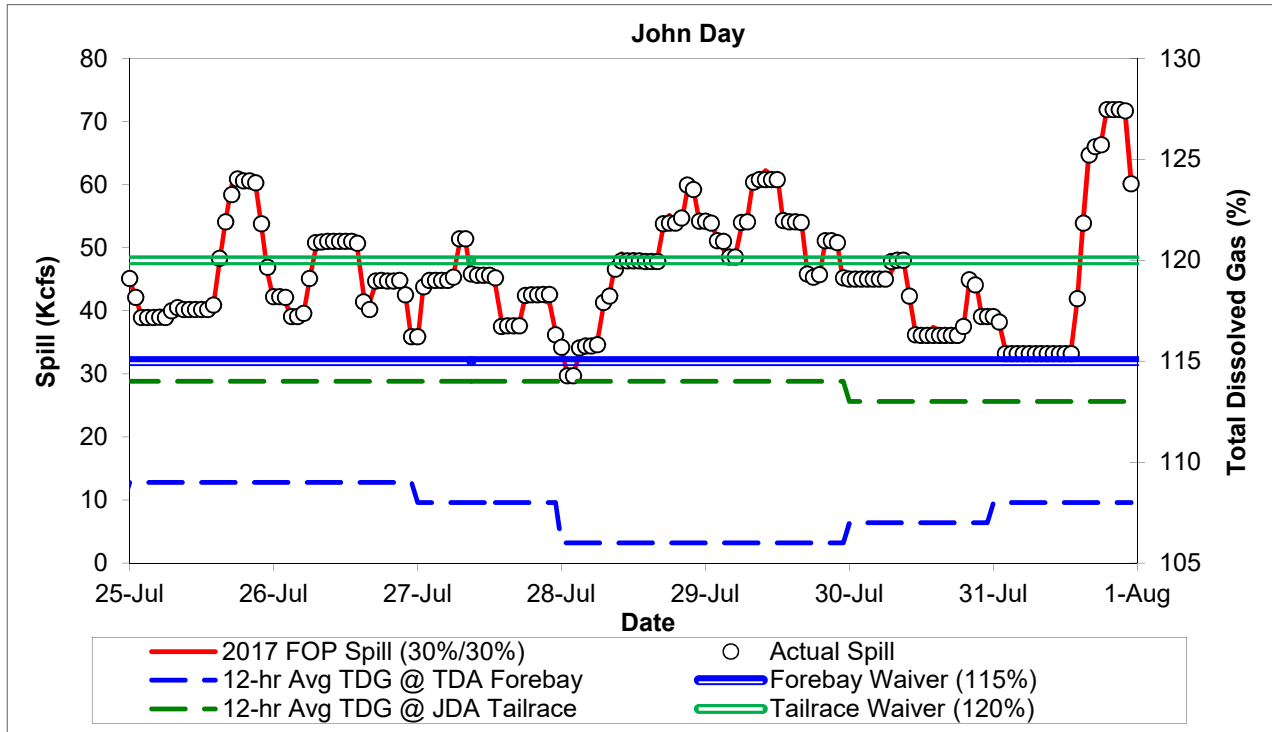
7/25/2017	2017 FOP: 17 Kcfs/17 Kcfs; 24-hr Avg Spill = 16.7 Kcfs; LMN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; IHR Forebay (12-hr Avg TDG = 112%) - TDG waiver not exceeded;
7/26/2017	2017 FOP: 17 Kcfs/17 Kcfs; 24-hr Avg Spill = 17.1 Kcfs; LMN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; IHR Forebay (12-hr Avg TDG = 113%) - TDG waiver not exceeded;
7/27/2017	2017 FOP: 17 Kcfs/17 Kcfs; 24-hr Avg Spill = 16.7 Kcfs; LMN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; IHR Forebay (12-hr Avg TDG = 113%) - TDG waiver not exceeded;
7/28/2017	2017 FOP: 17 Kcfs/17 Kcfs; 24-hr Avg Spill = 16.9 Kcfs; LMN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; IHR Forebay (12-hr Avg TDG = 113%) - TDG waiver not exceeded;
7/29/2017	2017 FOP: 17 Kcfs/17 Kcfs; 24-hr Avg Spill = 16.6 Kcfs; LMN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; IHR Forebay (12-hr Avg TDG = 113%) - TDG waiver not exceeded;
7/30/2017	2017 FOP: 17 Kcfs/17 Kcfs; 24-hr Avg Spill = 16.8 Kcfs; LMN Tailrace (12-hr Avg TDG = 115%) - TDG waiver not exceeded; IHR Forebay (12-hr Avg TDG = 112%) - TDG waiver not exceeded;
7/31/2017	2017 FOP: 17 Kcfs/17 Kcfs; 24-hr Avg Spill = 16.5 Kcfs; LMN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; IHR Forebay (12-hr Avg TDG = 112%) - TDG waiver not exceeded;



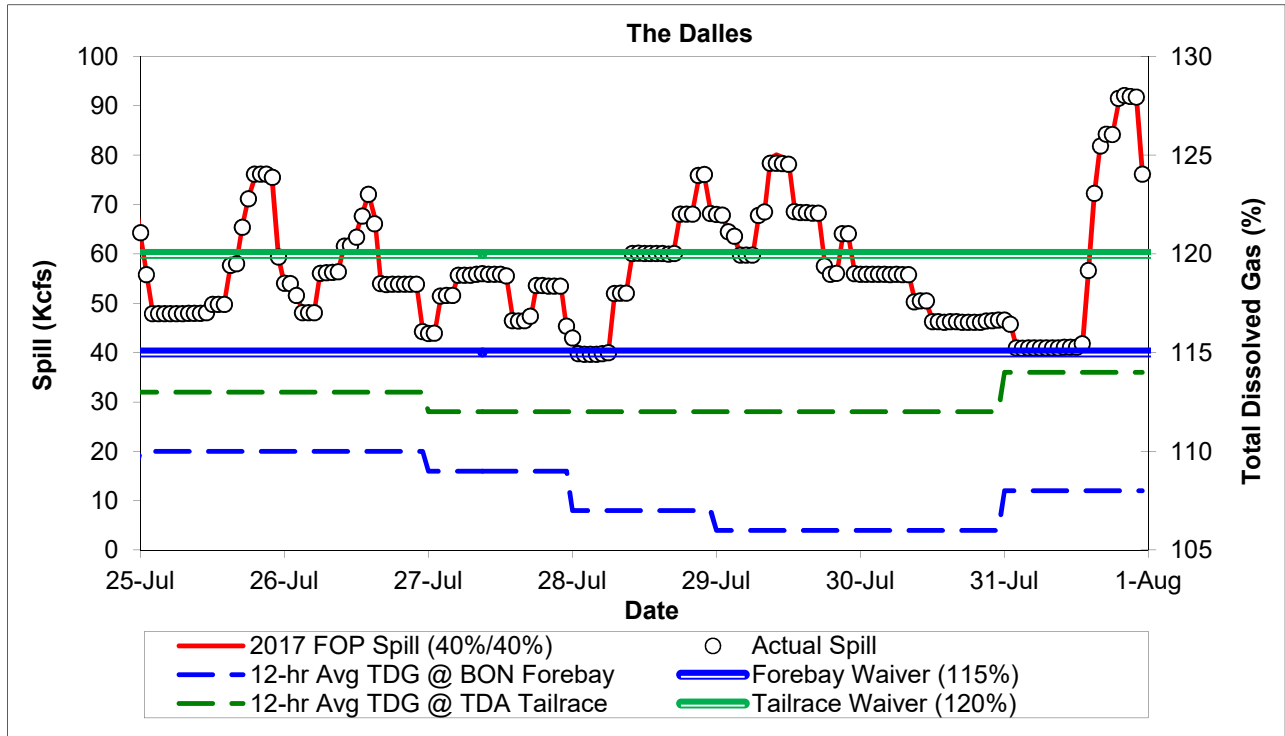
7/25/2017	2017 FOP: 45 Kcfs/Gas Cap; 24-hr Avg Spill = 32.1 Kcfs; IHR Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; MCN Forebay (12-hr Avg TDG = 112%) - TDG waiver not exceeded;
7/26/2017	2017 FOP: 45 Kcfs/Gas Cap; 24-hr Avg Spill = 28.8 Kcfs; IHR Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; MCN Forebay (12-hr Avg TDG = 111%) - TDG waiver not exceeded;
7/27/2017	2017 FOP: 45 Kcfs/Gas Cap; 24-hr Avg Spill = 28.6 Kcfs; IHR Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; MCN Forebay (12-hr Avg TDG = 110%) - TDG waiver not exceeded;
7/28/2017	2017 FOP: 45 Kcfs/Gas Cap; 24-hr Avg Spill = 30.4 Kcfs; IHR Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; MCN Forebay (12-hr Avg TDG = 110%) - TDG waiver not exceeded;
7/29/2017	2017 FOP: 45 Kcfs/Gas Cap; 24-hr Avg Spill = 32.3 Kcfs; IHR Tailrace (12-hr Avg TDG = 113%) - TDG waiver not exceeded; MCN Forebay (12-hr Avg TDG = 110%) - TDG waiver not exceeded;
7/30/2017	2017 FOP: 45 Kcfs/Gas Cap; 24-hr Avg Spill = 28.2 Kcfs; IHR Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; MCN Forebay (12-hr Avg TDG = 109%) - TDG waiver not exceeded;
7/31/2017	2017 FOP: 45 Kcfs/Gas Cap; 24-hr Avg Spill = 29.7 Kcfs; IHR Tailrace (12-hr Avg TDG = 113%) - TDG waiver not exceeded; MCN Forebay (12-hr Avg TDG = 110%) - TDG waiver not exceeded;



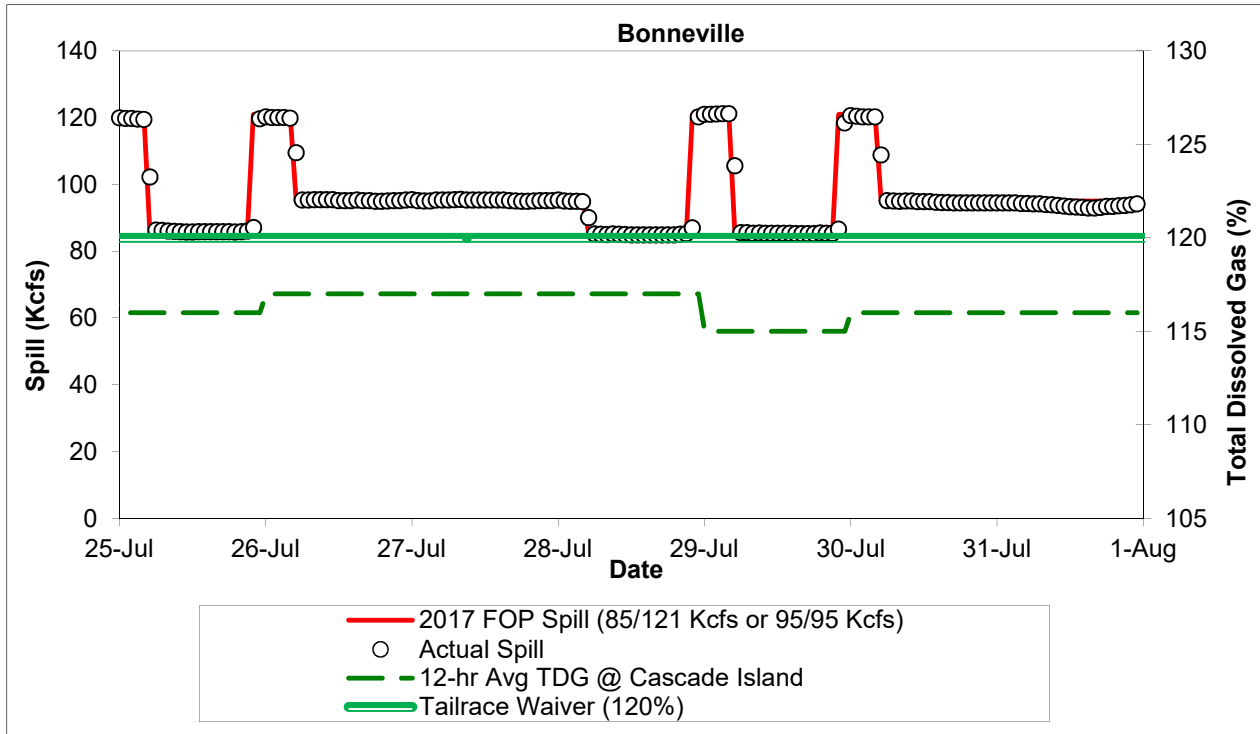
7/25/2017	2017 FOP: 50%/50%; 24-hr Avg Spill = 85.9 Kcfs (50.3%); MCN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; JDA Forebay (12-hr Avg TDG = 107%) - TDG waiver not exceeded;
7/26/2017	2017 FOP: 50%/50%; 24-hr Avg Spill = 82.1 Kcfs (50.2%); MCN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; JDA Forebay (12-hr Avg TDG = 106%) - TDG waiver not exceeded;
7/27/2017	2017 FOP: 50%/50%; 24-hr Avg Spill = 75.5 Kcfs (50.2%); MCN Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; JDA Forebay (12-hr Avg TDG = 106%) - TDG waiver not exceeded;
7/28/2017	2017 FOP: 50%/50%; 24-hr Avg Spill = 81.8 Kcfs (50.1%); MCN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; JDA Forebay (12-hr Avg TDG = 106%) - TDG waiver not exceeded;
7/29/2017	2017 FOP: 50%/50%; 24-hr Avg Spill = 90.6 Kcfs (50.1%); MCN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; JDA Forebay (12-hr Avg TDG = 106%) - TDG waiver not exceeded;
7/30/2017	2017 FOP: 50%/50%; 24-hr Avg Spill = 75.0 Kcfs (50.1%); MCN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; JDA Forebay (12-hr Avg TDG = 106%) - TDG waiver not exceeded;
7/31/2017	2017 FOP: 50%/50%; 24-hr Avg Spill = 79.1 Kcfs (50.1%); MCN Tailrace (12-hr Avg TDG = 116%) - TDG waiver not exceeded; JDA Forebay (12-hr Avg TDG = 105%) - TDG waiver not exceeded;



7/25/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 46.1 Kcfs (29.9%); JDA Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; TDA Forebay (12-hr Avg TDG = 109%) - TDG waiver not exceeded;
7/26/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 44.8 Kcfs (30.1%); JDA Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; TDA Forebay (12-hr Avg TDG = 109%) - TDG waiver not exceeded;
7/27/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 43.0 Kcfs (30.1%); JDA Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; TDA Forebay (12-hr Avg TDG = 108%) - TDG waiver not exceeded;
7/28/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 46.1 Kcfs (29.9%); JDA Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; TDA Forebay (12-hr Avg TDG = 106%) - TDG waiver not exceeded;
7/29/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 52.5 Kcfs (30.0%); JDA Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; TDA Forebay (12-hr Avg TDG = 106%) - TDG waiver not exceeded;
7/30/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 41.2 Kcfs (29.9%); JDA Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; TDA Forebay (12-hr Avg TDG = 108%) - TDG waiver not exceeded;
7/31/2017	2017 FOP: 30%/30%; 24-hr Avg Spill = 47.1 Kcfs (29.8%); JDA Tailrace (12-hr Avg TDG = 113%) - TDG waiver not exceeded; TDA Forebay (12-hr Avg TDG = 108%) - TDG waiver not exceeded;



7/25/2017	2017 FOP: 40%/40%; 24-hr Avg Spill = 56.4 Kcfs (40.0%); TDA Tailrace (12-hr Avg TDG = 113%) - TDG waiver not exceeded; BON Forebay (12-hr Avg TDG = 110%) - TDG waiver not exceeded;
7/26/2017	2017 FOP: 40%/40%; 24-hr Avg Spill = 55.5 Kcfs (39.7%); TDA Tailrace (12-hr Avg TDG = 113%) - TDG waiver not exceeded; BON Forebay (12-hr Avg TDG = 110%) - TDG waiver not exceeded;
7/27/2017	2017 FOP: 40%/40%; 24-hr Avg Spill = 51.8 Kcfs (39.9%); TDA Tailrace (12-hr Avg TDG = 112%) - TDG waiver not exceeded; BON Forebay (12-hr Avg TDG = 109%) - TDG waiver not exceeded;
7/28/2017	2017 FOP: 40%/40%; 24-hr Avg Spill = 57.0 Kcfs (39.8%); TDA Tailrace (12-hr Avg TDG = 112%) - TDG waiver not exceeded; BON Forebay (12-hr Avg TDG = 107%) - TDG waiver not exceeded;
7/29/2017	2017 FOP: 40%/40%; 24-hr Avg Spill = 65.7 Kcfs (39.9%); TDA Tailrace (12-hr Avg TDG = 112%) - TDG waiver not exceeded; BON Forebay (12-hr Avg TDG = 106%) - TDG waiver not exceeded;
7/30/2017	2017 FOP: 40%/40%; 24-hr Avg Spill = 50.0 Kcfs (40.1%); TDA Tailrace (12-hr Avg TDG = 112%) - TDG waiver not exceeded; BON Forebay (12-hr Avg TDG = 106%) - TDG waiver not exceeded;
7/31/2017	2017 FOP: 40%/40%; 24-hr Avg Spill = 59.2 Kcfs (40.2%); TDA Tailrace (12-hr Avg TDG = 114%) - TDG waiver not exceeded; BON Forebay (12-hr Avg TDG = 108%) - TDG waiver not exceeded;



7/25/2017	2017 FOP: 85 Kcfs/121 Kcfs; 24-hr Avg Spill = 95.1 Kcfs; Cascade Island (12-hr Avg TDG = 116%) - TDG waiver not exceeded;
7/26/2017	2017 FOP: 85 Kcfs/121 Kcfs to 95 Kcfs/95 Kcfs; 24-hr Avg Spill = 100.0 Kcfs; Cascade Island (12-hr Avg TDG = 117%) - TDG waiver not exceeded;
7/27/2017	2017 FOP: 95 Kcfs/95 Kcfs; 24-hr Avg Spill = 95.2 Kcfs; Cascade Island (12-hr Avg TDG = 117%) - TDG waiver not exceeded;
7/28/2017	2017 FOP: 95 Kcfs/95 Kcfs to 85 Kcfs/121 Kcfs; 24-hr Avg Spill = 89.9 Kcfs; Cascade Island (12-hr Avg TDG = 117%) - TDG waiver not exceeded;
7/29/2017	2017 FOP: 85 Kcfs/121 Kcfs; 24-hr Avg Spill = 95.1 Kcfs; Cascade Island (12-hr Avg TDG = 115%) - TDG waiver not exceeded;
7/30/2017	2017 FOP: 85 Kcfs/121 Kcfs to 95 Kcfs/95 Kcfs; 24-hr Avg Spill = 99.6 Kcfs; Cascade Island (12-hr Avg TDG = 116%) - TDG waiver not exceeded;
7/31/2017	2017 FOP: 95 Kcfs/95 Kcfs; 24-hr Avg Spill = 93.8 Kcfs; Cascade Island (12-hr Avg TDG = 116%) - TDG waiver not exceeded;