

Attachment 1

Columbia and Snake River Hydro Project Adult Pacific Lamprey Counts: Comparisons and Conversions

Migration year 2017 was the largest adult Pacific lamprey run on record - nearly 10-fold the largest run at Rocky Reach Dam since counting began 34 years ago in 1983.

Table 1. 2017 Columbia River adult lamprey counts and raw count conversions, FCRPS and Mid-C PUD Projects.

PROJECT	COUNT	CONVERSION
Bonneville	82,564	
The Dalles	30,696	37.18%
John Day	23,404	76.24%
McNary	2,549	9.18%
Priest Rapids*	26,012	1000% +
Wanapum*	28,463	109.4%
Rock Island*	21,137	74.26%
Rocky Reach*	23,986	100% +
Wells	287	1.20%

*2017 counts at Priest Rapids, Wanapum, Rock Island, and Rocky Reach may have been affected by adult trapping (approx. 1,000 adult lampreys) and transport from Priest Rapids for various parties' study and translocation purposes.

Table 2. 2017 Snake River adult Pacific lamprey counts and raw count conversions, FCRPS Projects.

PROJECT	COUNT	CONVERSION
Ice Harbor	1,438	
Lower Mo	409	28.44%
Little Goose	472	>100%
Lower Granite	346	73.31%

Table 3. Adult lamprey counts from The Dalles and Rocky Reach dams and count conversions, 2000-2017.

YEAR	THE DALLES	ROCKY REACH	CONVERSION
2000	8050	767	9.53%
2001	9061	805	8.88%
2002	23417	1842	7.87%
2003	28995	2521	8.69%
2004	14873	1043	7.01%
2005	8361	404	4.83%
2006	6894	370	5.37%
2007	6083	696	11.44%
2008	4599	368	8.00%
2009	2318	278	11.99%
2010	1726	268	15.53%
2011	5003	618	12.35%
2012	6241	805	12.90%
2013	8737	1626	18.61%
2014	11662	3799	32.58%
2015	12400	2134	17.21%
2016	11557	3553	30.74%
2017	30696	23986	78.14%