

Bonneville Pinniped-Fishery Interaction
Task Force Meeting
May 31, 2016

Review of State
(ODFW/WDFW) Activities

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State activities

- Trapping
 - Removals
 - Branding
 - Instrumentation
 - Astoria, Bonneville tailrace, Bonneville pool
- Post-mortem exams
- Basin-wide monitoring

Astoria



Bonneville Dam



CSL branding sequences

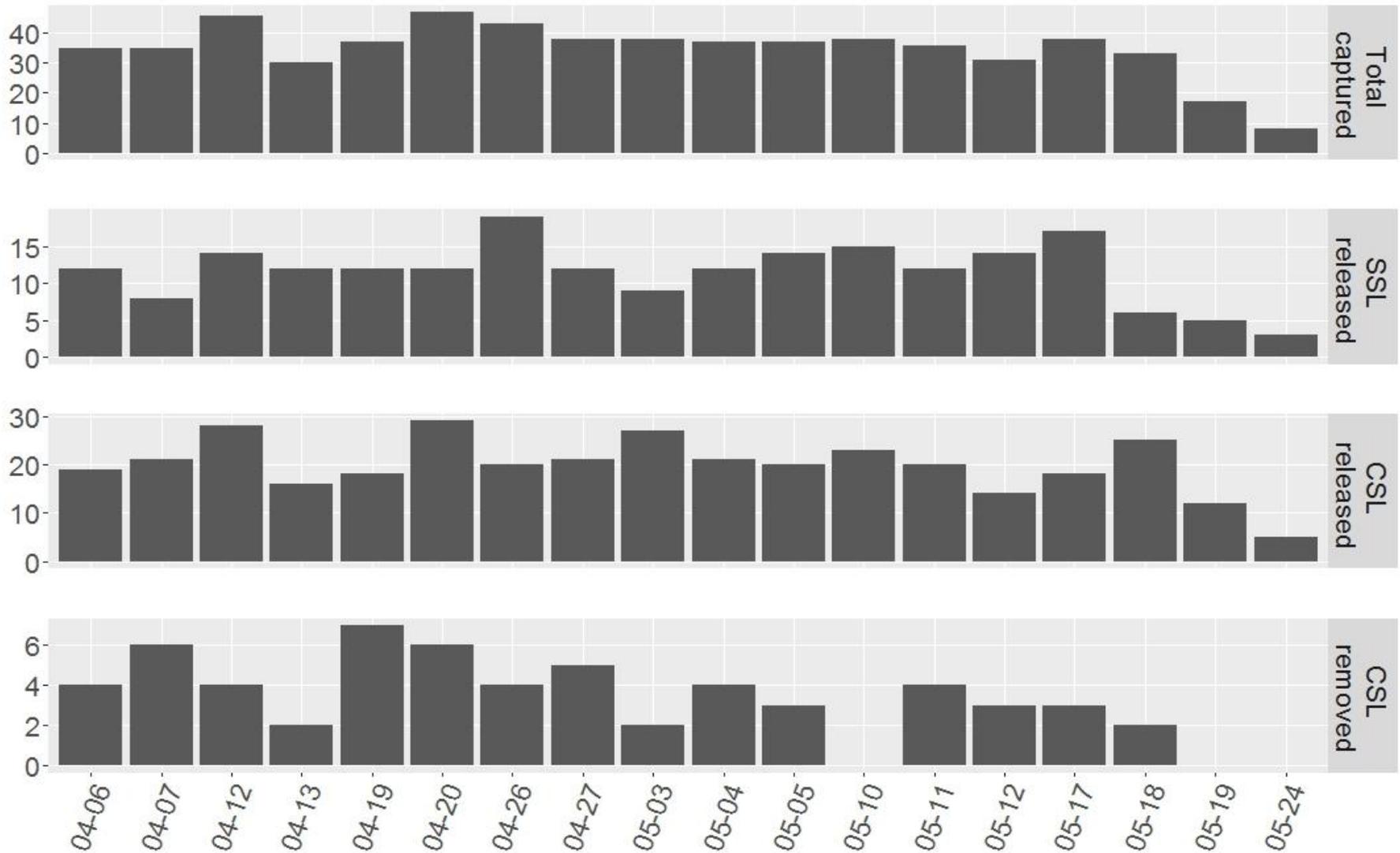
- ODFW
 - Astoria
 - Back / rump
 - "C" over 1-1000 [1997-2009]
 - "U" over 1-1000 [2009-2015]
 - "X" over 1-current [2015-]
 - Bonneville
 - Back / rump
 - "C" over 00-099 [2010-2015]
 - "1" over 00-99 [2015-2016]
 - "2" over 00-current [2016-]



CSL branding sequences

- NMFS / MML / CCEP
 - San Miguel Island
 - Side
 - MML brand sequences have been either numeric or with leading or trailing “V”s.
- Note: No "B" brands; B is prefix used by USACE to track identifiable but (initially) unbranded animals

Daily trap results, Bonneville Dam, 2016



CSL removals

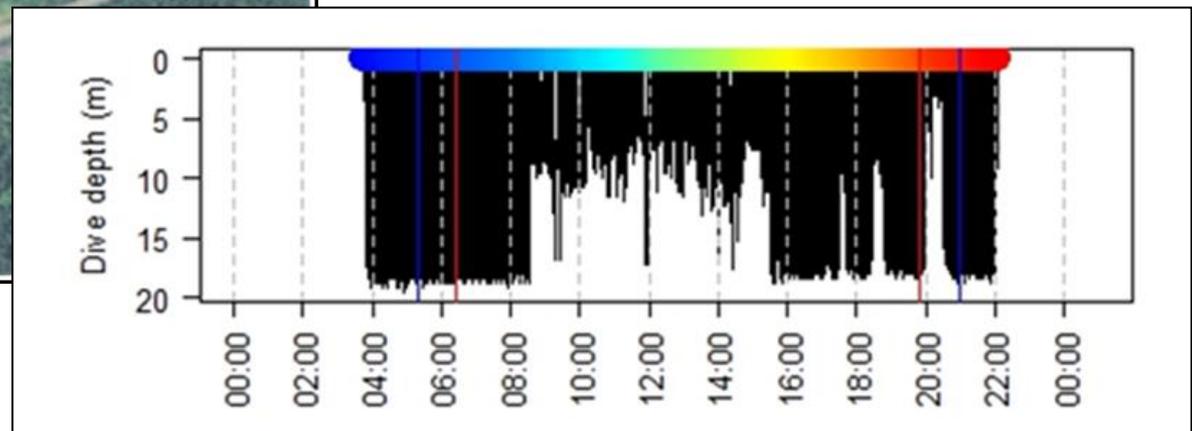
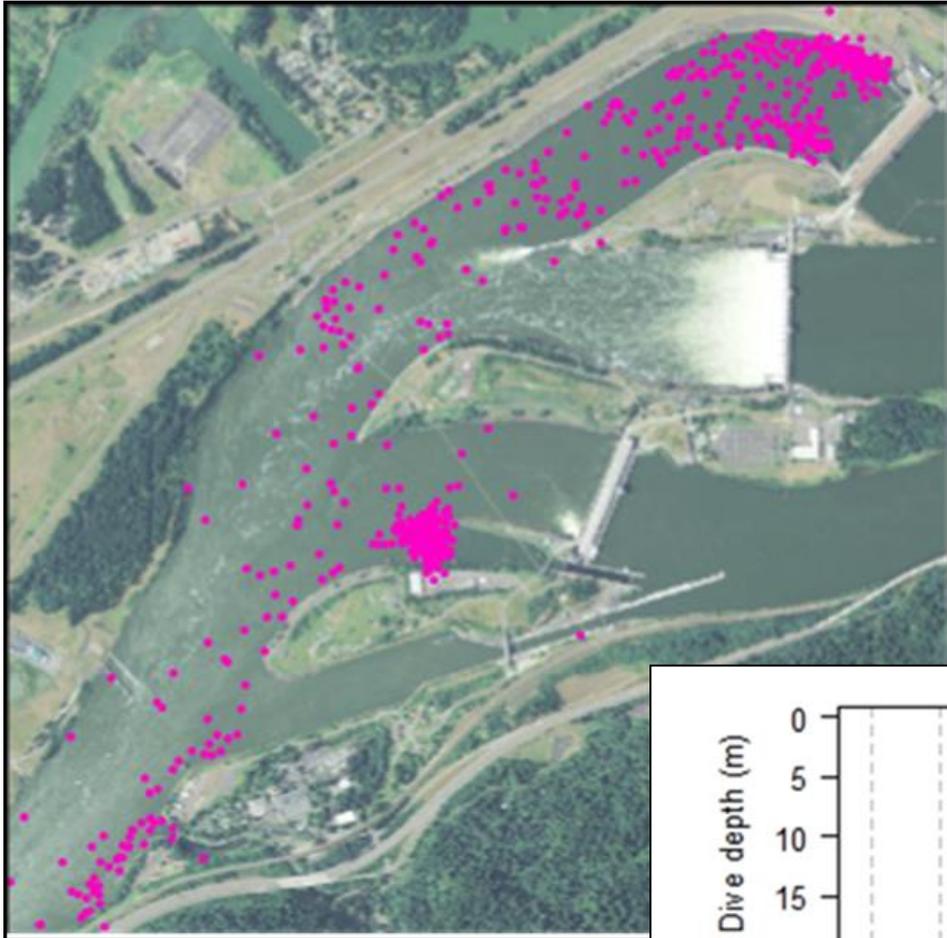
Year	Bonneville Dam			Astoria		Total
	Captivity	Accident	Euthanized	Euthanized (spring)	Euthanized (fall)	
2008	6	5*				11
2009	4		10		1	15
2010			12		2	14
2011				1		1
2012	1		11		1	13
2013	2		2			4
2014			15			15
2015	2	2	30			34
2016			59			59
Total	15	7	139	1	4	166

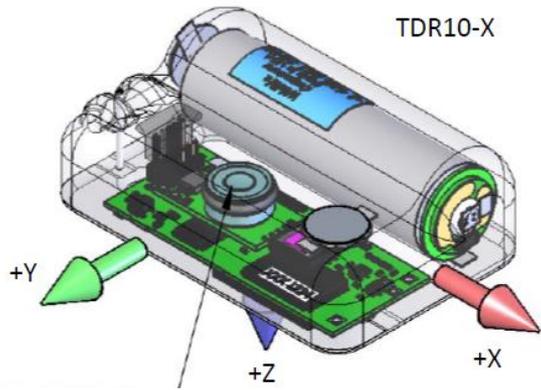
*Includes two animals that were already on list for removal and one that had qualified but was not yet on the list.

Salmonids "saved"

- CSLs "require" 2-5 salmonids per day (based on 90-100% salmonid diet; see field reports for additional details).
- Removals through 2015 potentially prevented the loss of additional 15-20K salmonids.
- Without removal program, estimated loss of 50K salmonids to CSLs since 2002 could have been 30-40% higher.

Foraging behavior studies





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