



GOOD NEWS: Adult Pacific Lamprey Passage at Rocky Reach Dam

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CHELAN COUNTY

Pacific Lamprey at Rocky Reach

Biology

License - Lamprey Management Plan

Adult Passage Requirements

Passage Studies and Results – The Good News

Next Steps

Biology

Native to Columbia River – 450 Million Years

No Bones, No Paired Fins, Weak Swimmers

Parasitic in Ocean

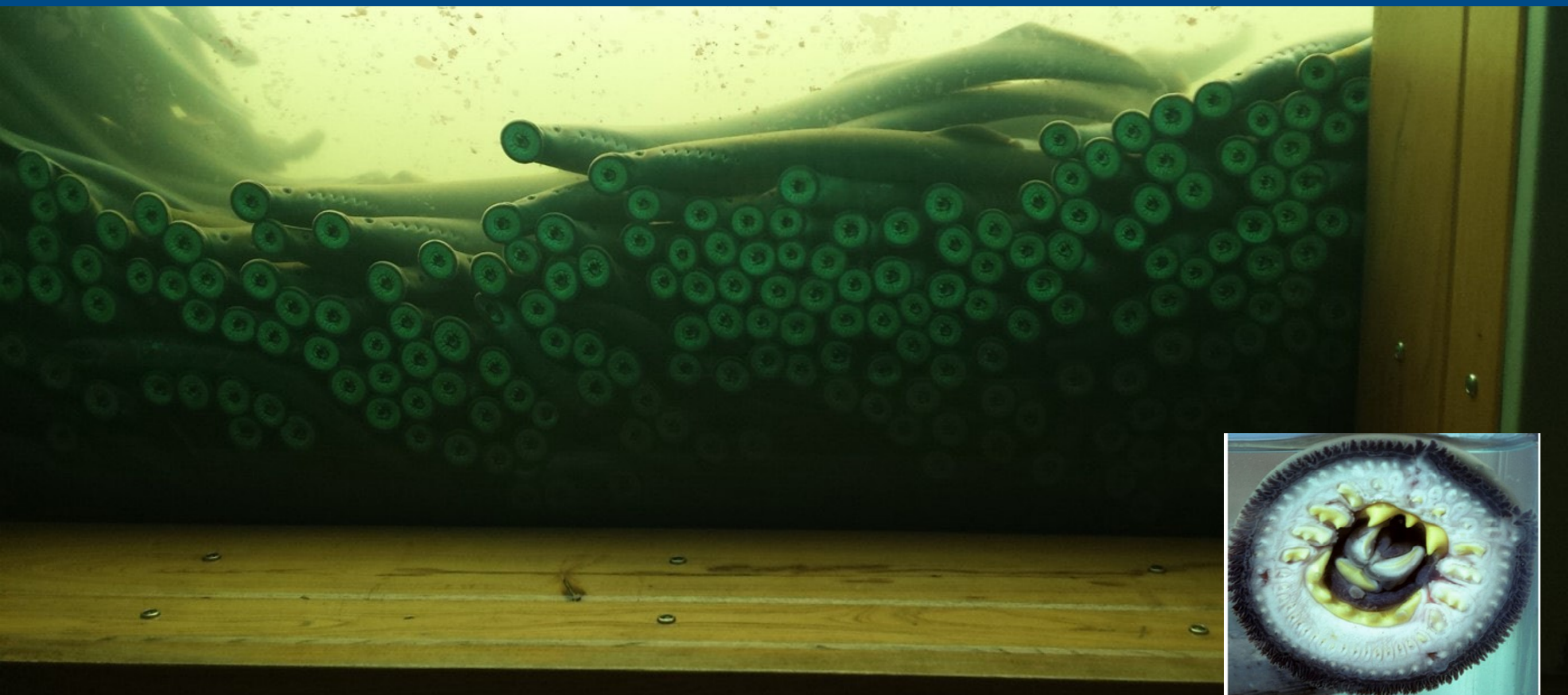
“Genetically Indistinct” Across Range

Spawn in Freshwater Streams, Not “Natal Stream”

Adults Die After Spawning

Bonneville Dam Fishway 2017

82,564 Lampreys



Rocky Reach Lamprey Management Plan

1. Modify Fishway to Improve Passage
2. Test Modifications - Measure Passage Rates
3. Achieve Passage Similar to Best on Columbia
4. Determine Unavoidable Passage Effects



**Rocky Reach
Fishway Entrances**

Improvements for Lamprey 2011

Attachment Ramps



Grate Covers Diffusion Water



RR - Adult Passage Rate Studies

2004 Initial Study ~ 47% Passage

2013-14: HD PIT Tags ~ 70% Passage

2016-17: FD PIT Tags ~ 98% Passage

Best Passage Rate on Columbia River

Passage Objective Achieved



Next Steps

Finalize 2017 Passage Study by August 2018

Fish Forum SOA, Passage Objective Met

Determine Additional Measures, if Any

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QUESTIONS?

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