

SPRING CHINOOK SALMON AND ONCORHYNCHUS MYKISS MOVEMENT IN THE SOUTH SANTIAM RIVER ABOVE AND BELOW FOSTER DAM

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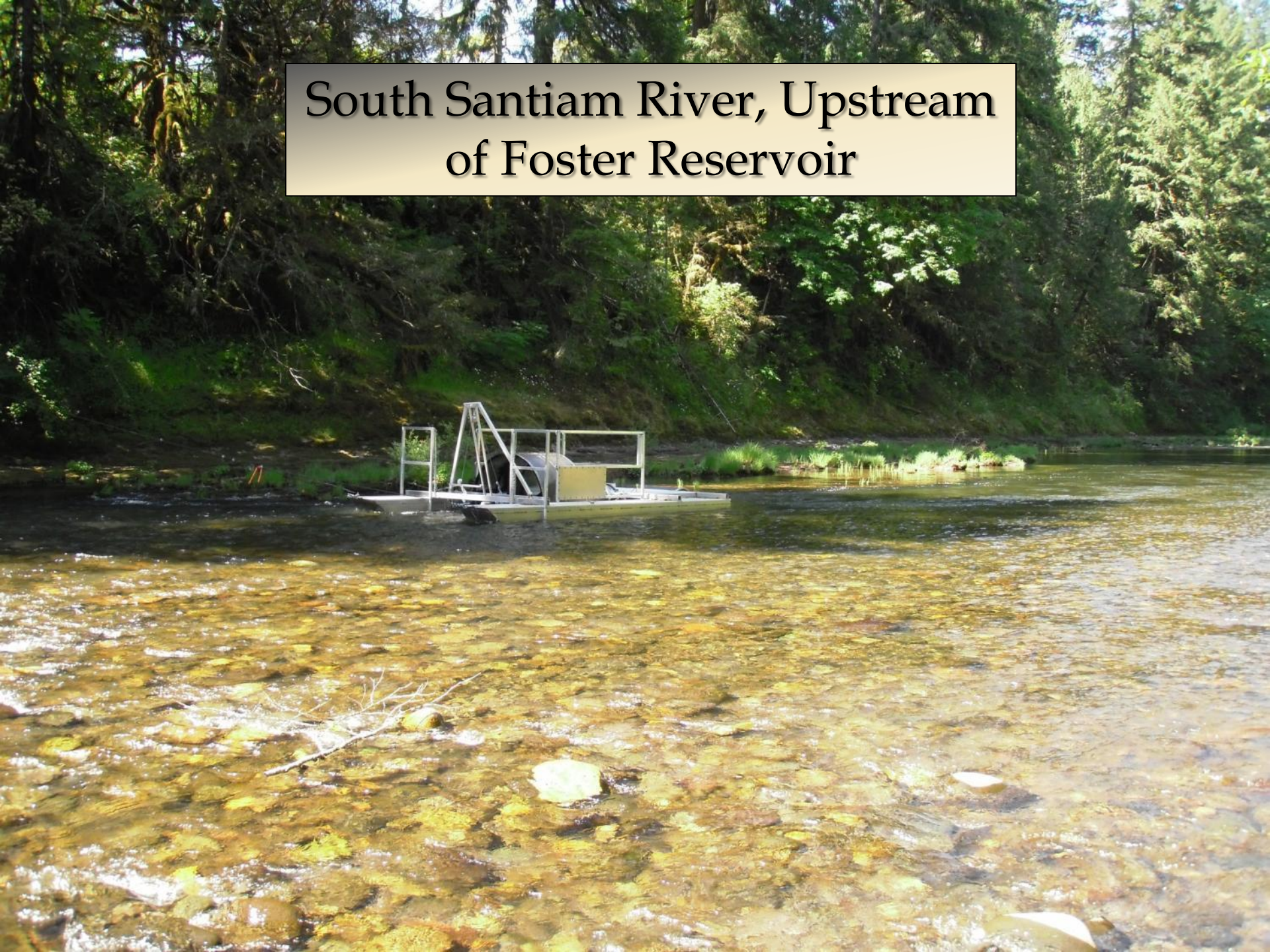
Objectives:

Migration Timing -
Reservoir Entry and Exodus

Size -
Entry and Exodus

Foster Reservoir Fish Community Assemblage -
Data Collected Below Foster Dam

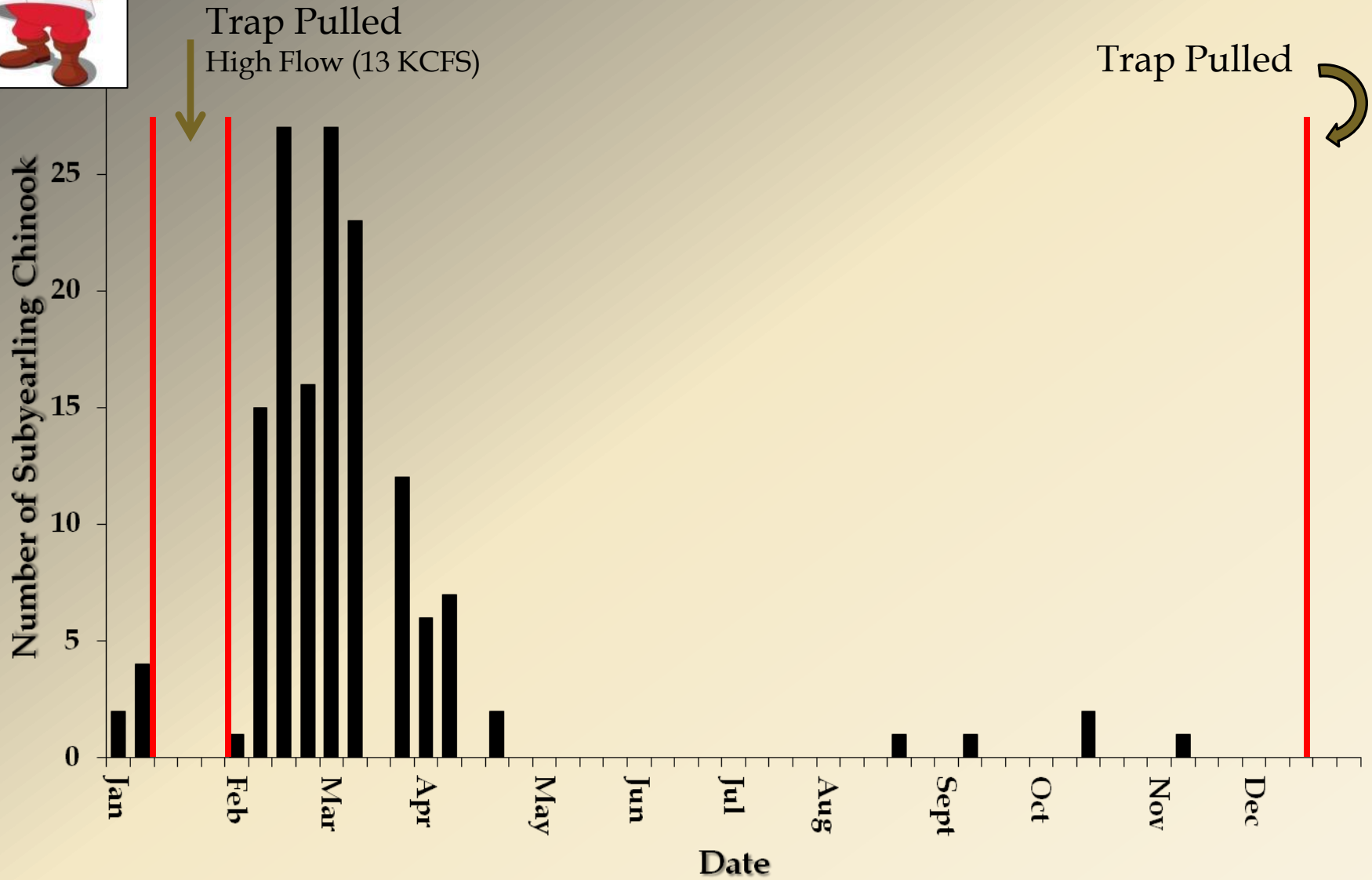
South Santiam River, Upstream
of Foster Reservoir





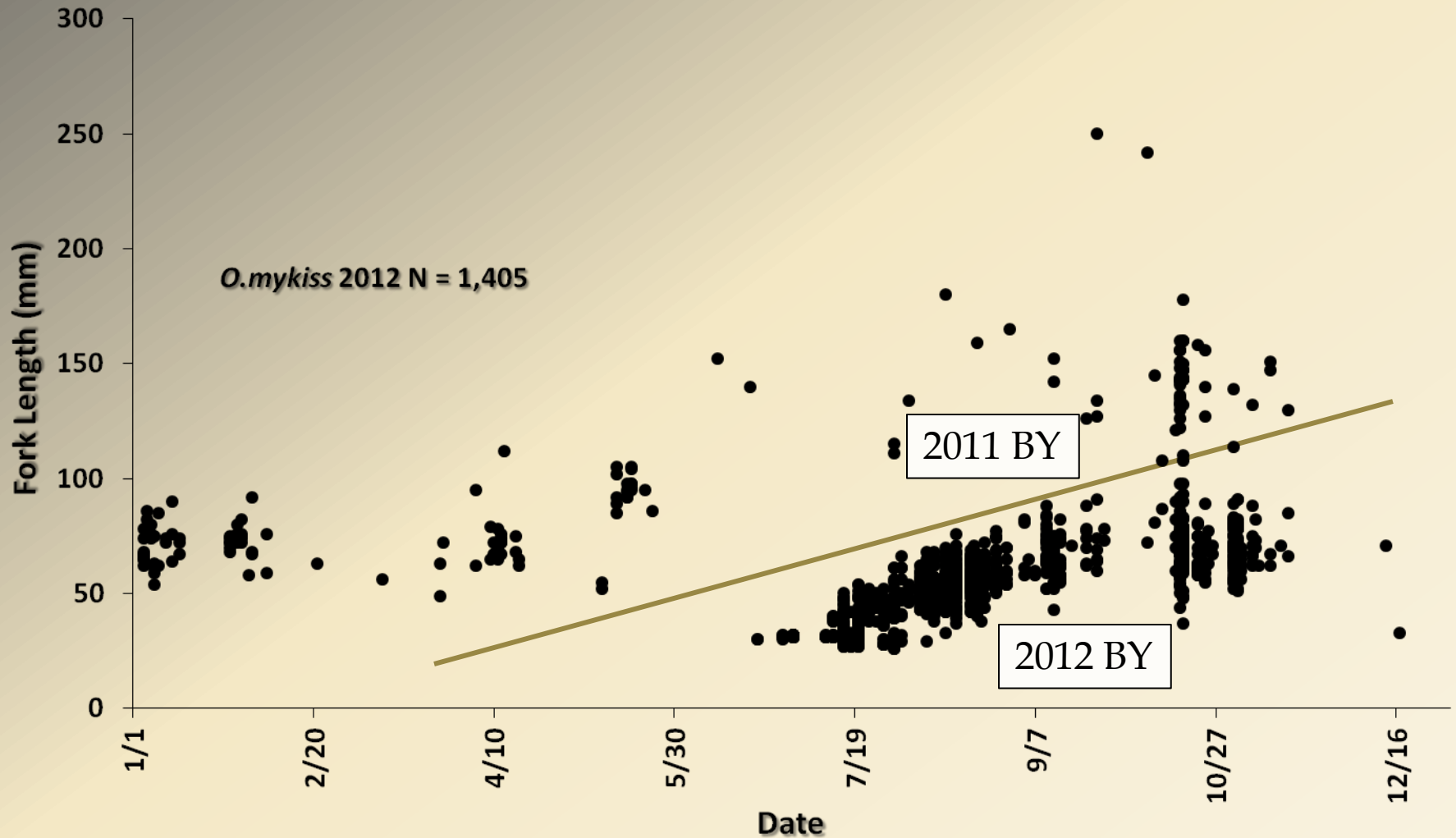
Chinook - 2012

Subyearling Migration Timing



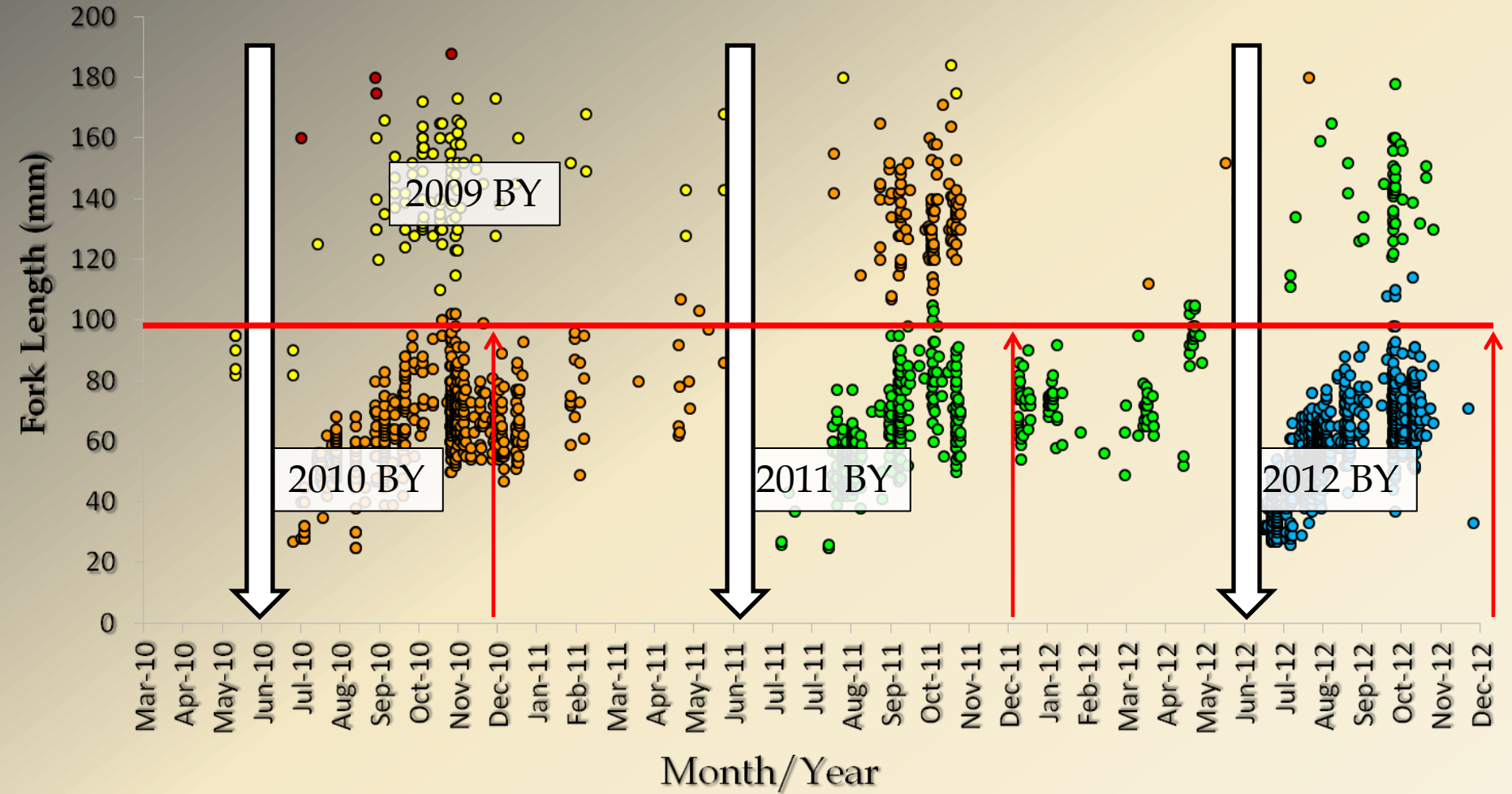
O. mykiss - 2012

Emergence Timing and Size



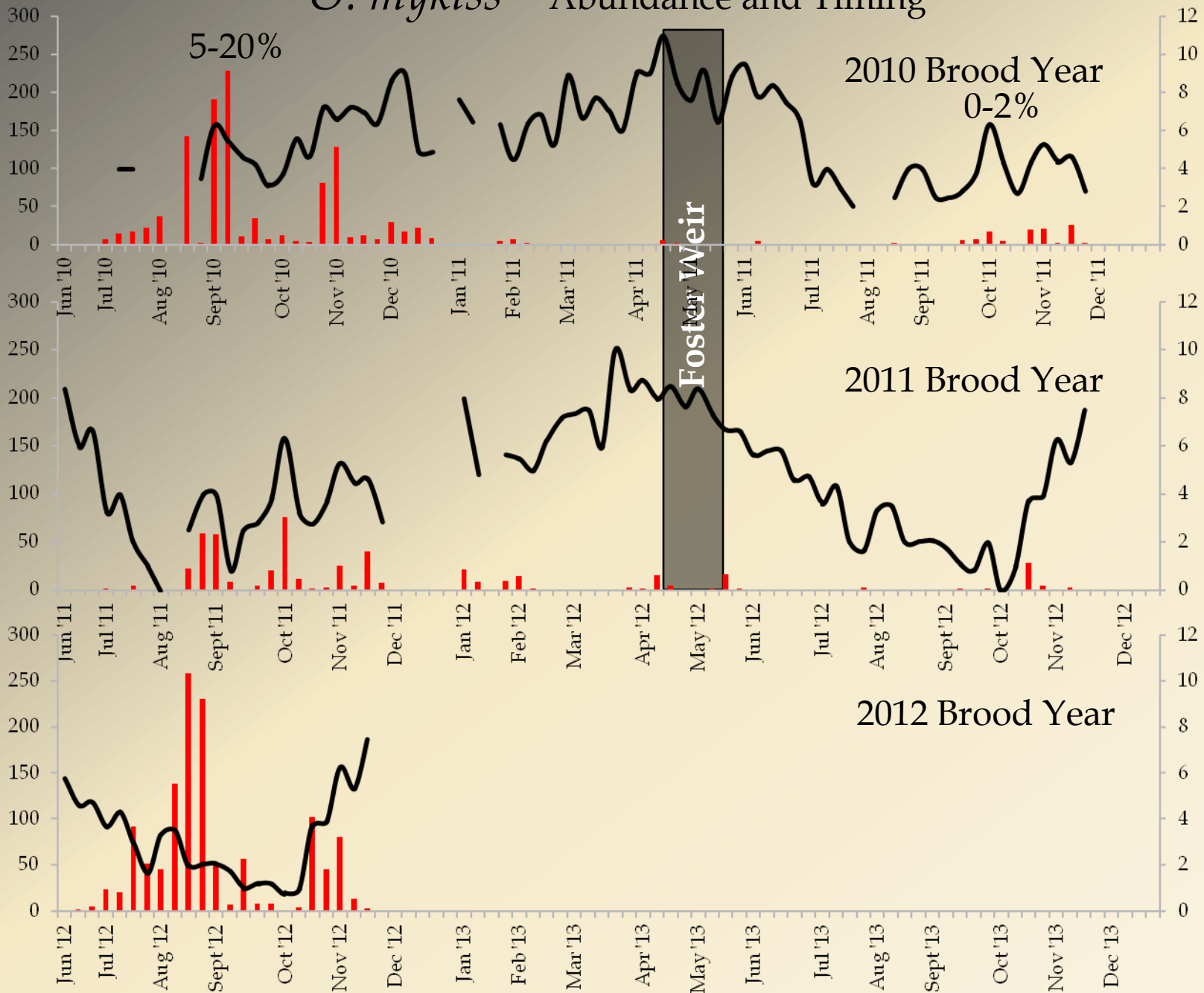
O. mykiss 2009 - 2012 BY

Emergence Timing and Size



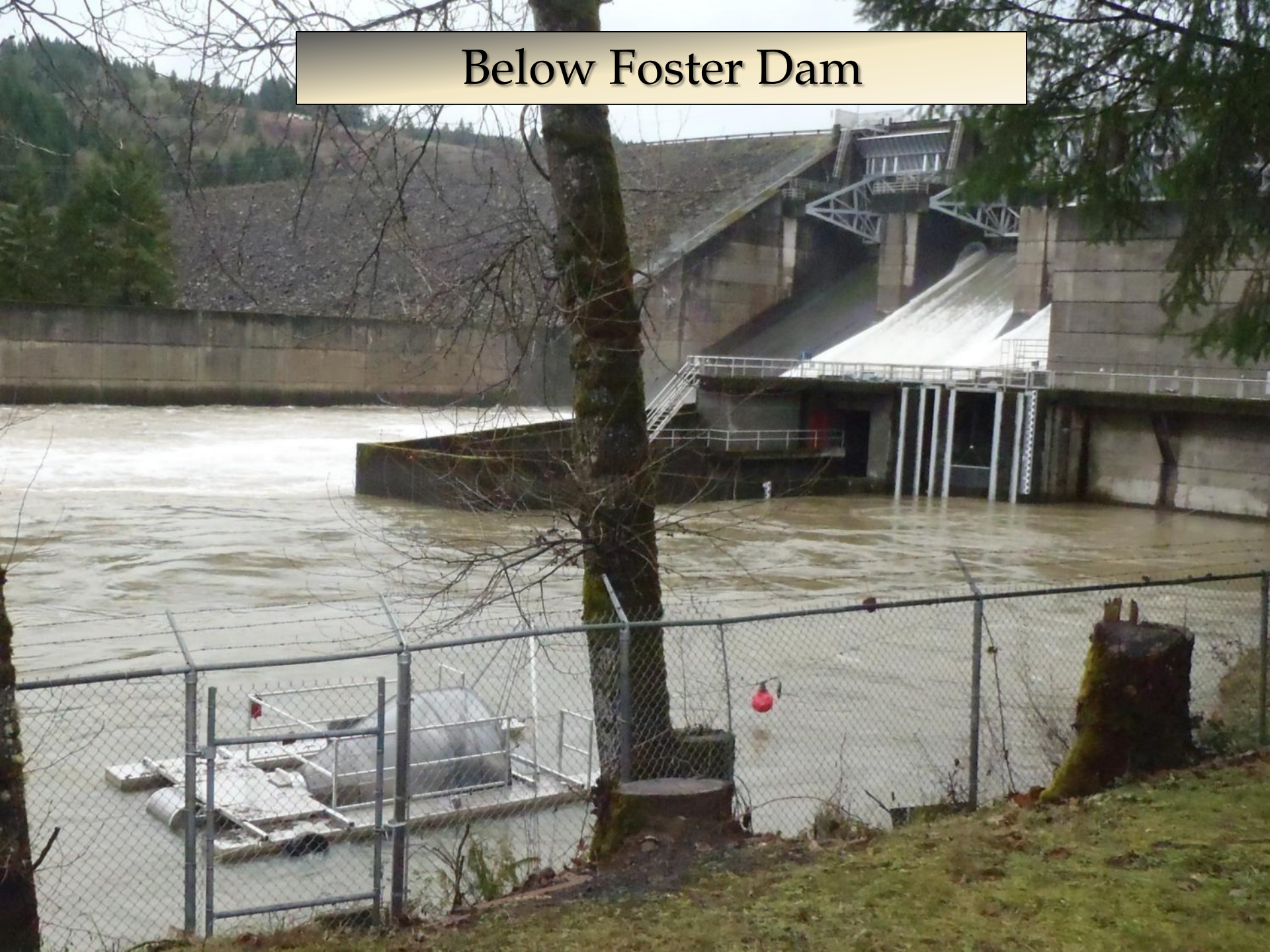
O. mykiss – Abundance and Timing

Number of Juvenile *O. mykiss* Captured

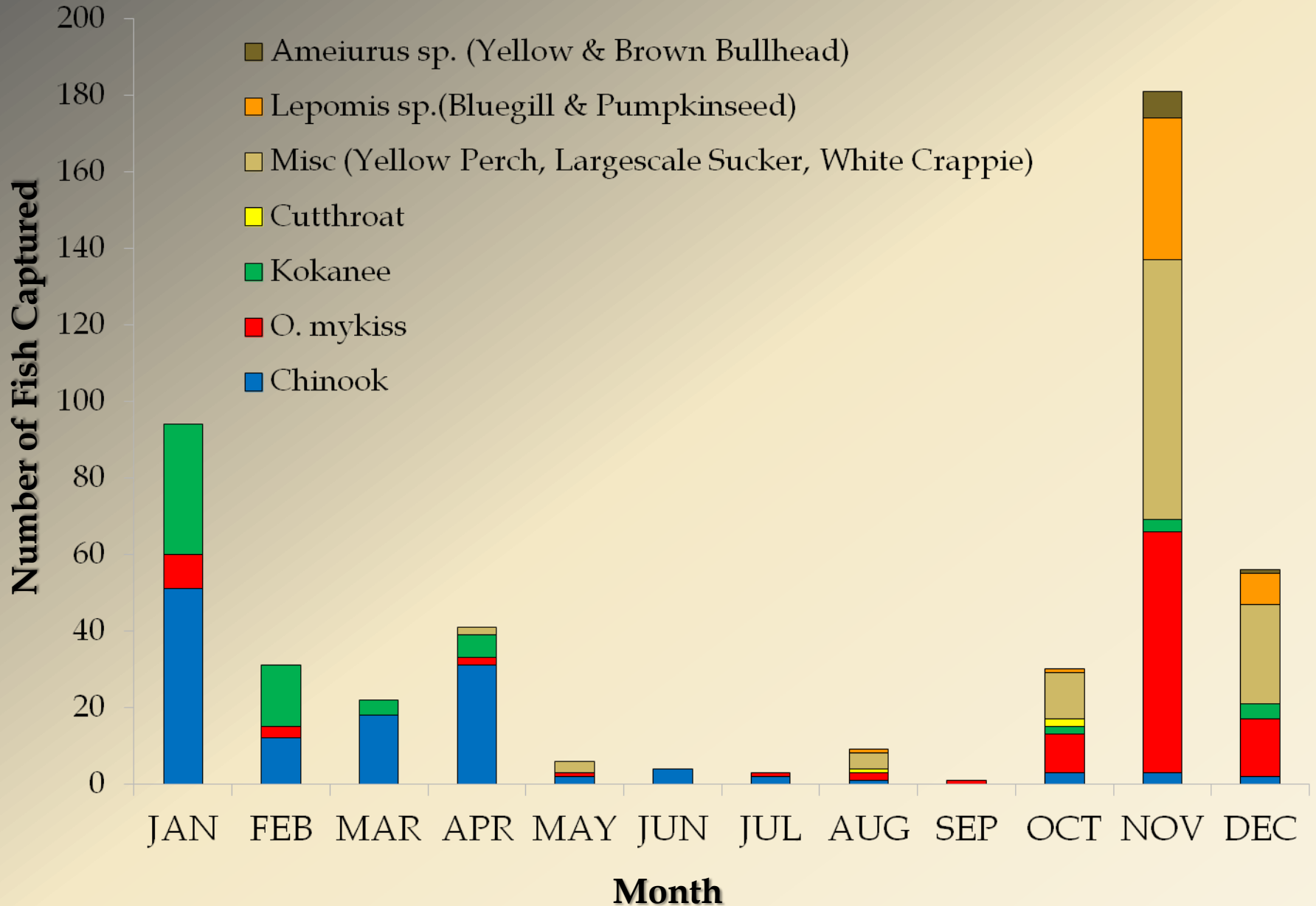


Trap Rotations Per Minute (RPM)

Below Foster Dam



Fish Captured Below Foster Dam 2012



Key Points:

Subyearlings (Chinook & *O. mykiss*) are able to move through Foster Reservoir.

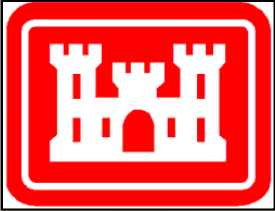
May want to attempt running the Foster Weir October – December to facilitate *O. mykiss* passage.

We will verify ages of *O. mykiss* partitioned to a respective cohort using scale analysis and continue to gather information to better estimate *O. mykiss* abundance.

Juvenile *O. mykiss* > 65 mm FL are PIT tagged and detections at Willamette Falls and in the Columbia Estuary will shed light on migration timing and age of ocean-bound smolts.

Very few Chinook were observed in the South Santiam upstream of Foster Reservoir in 2011 and 2012 (suspect flows > 10 KCFS in January scour redds and push fry out. Not conducive to in-stream rearing for Chinook).

Acknowledgements



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