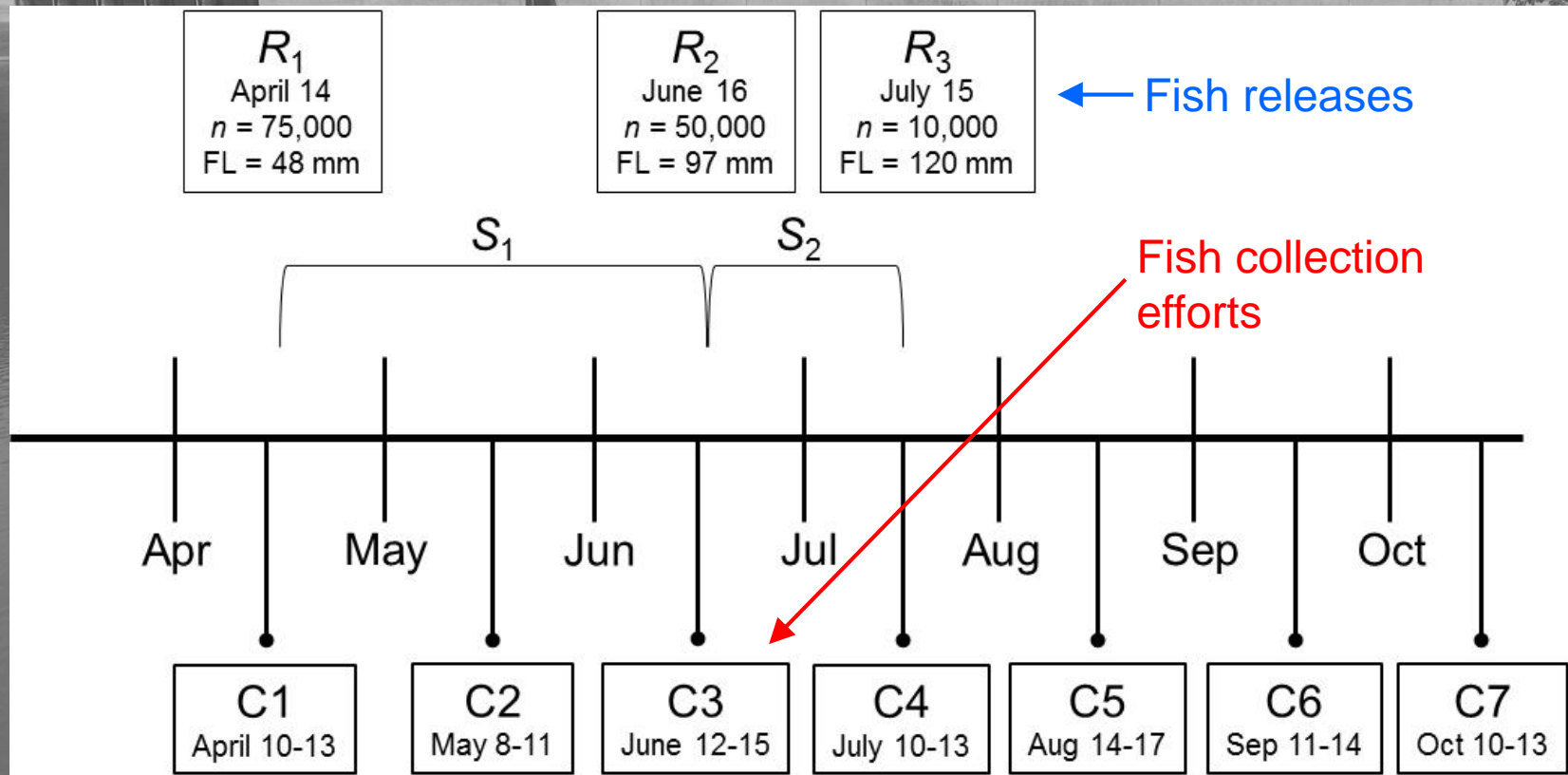


Evaluation of Chinook Salmon Fry Survival in Lookout Point Reservoir, Oregon, 2018

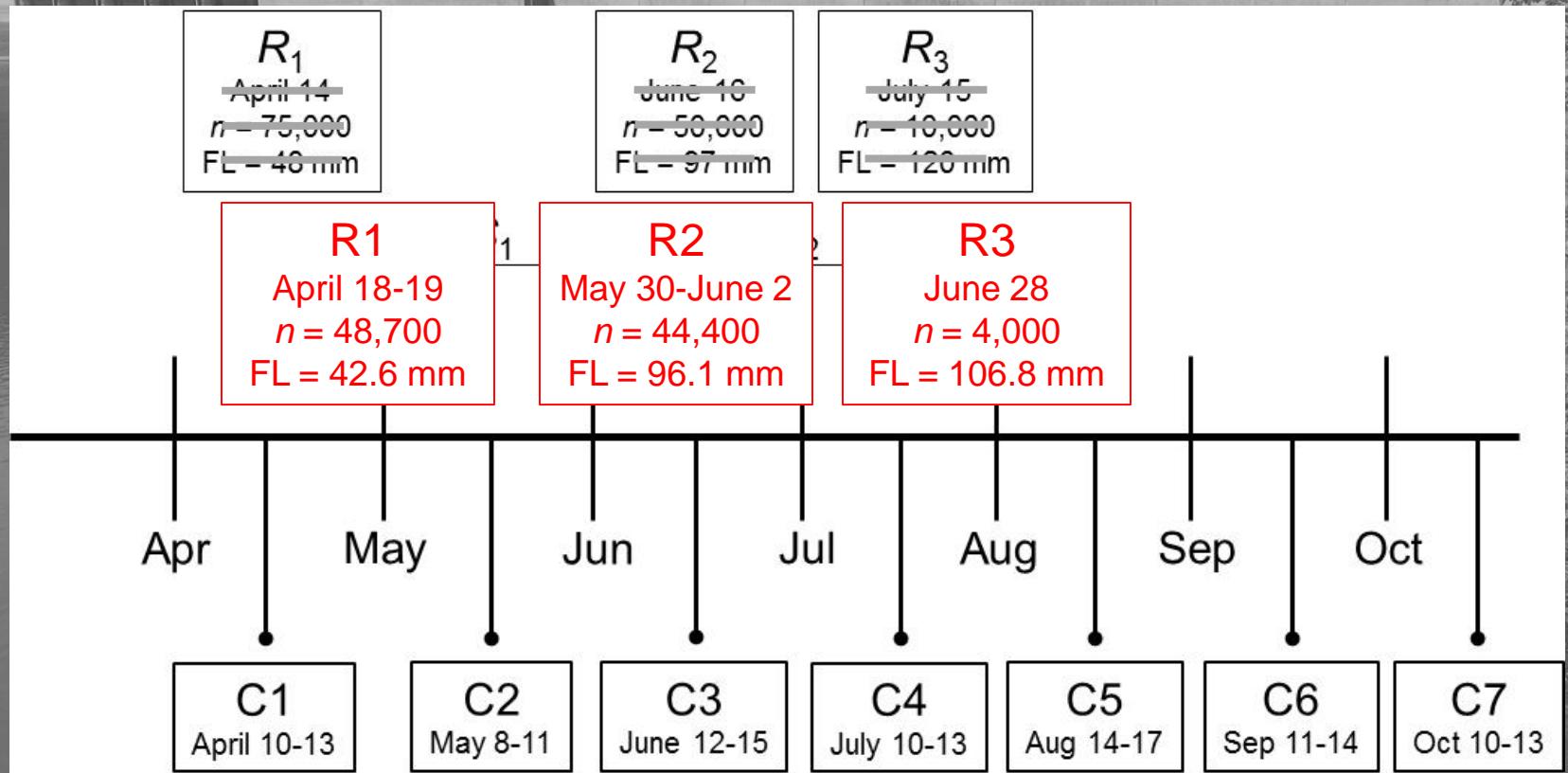
Tobias Kock and Russell Perry
U.S. Geological Survey

2017 Study Design

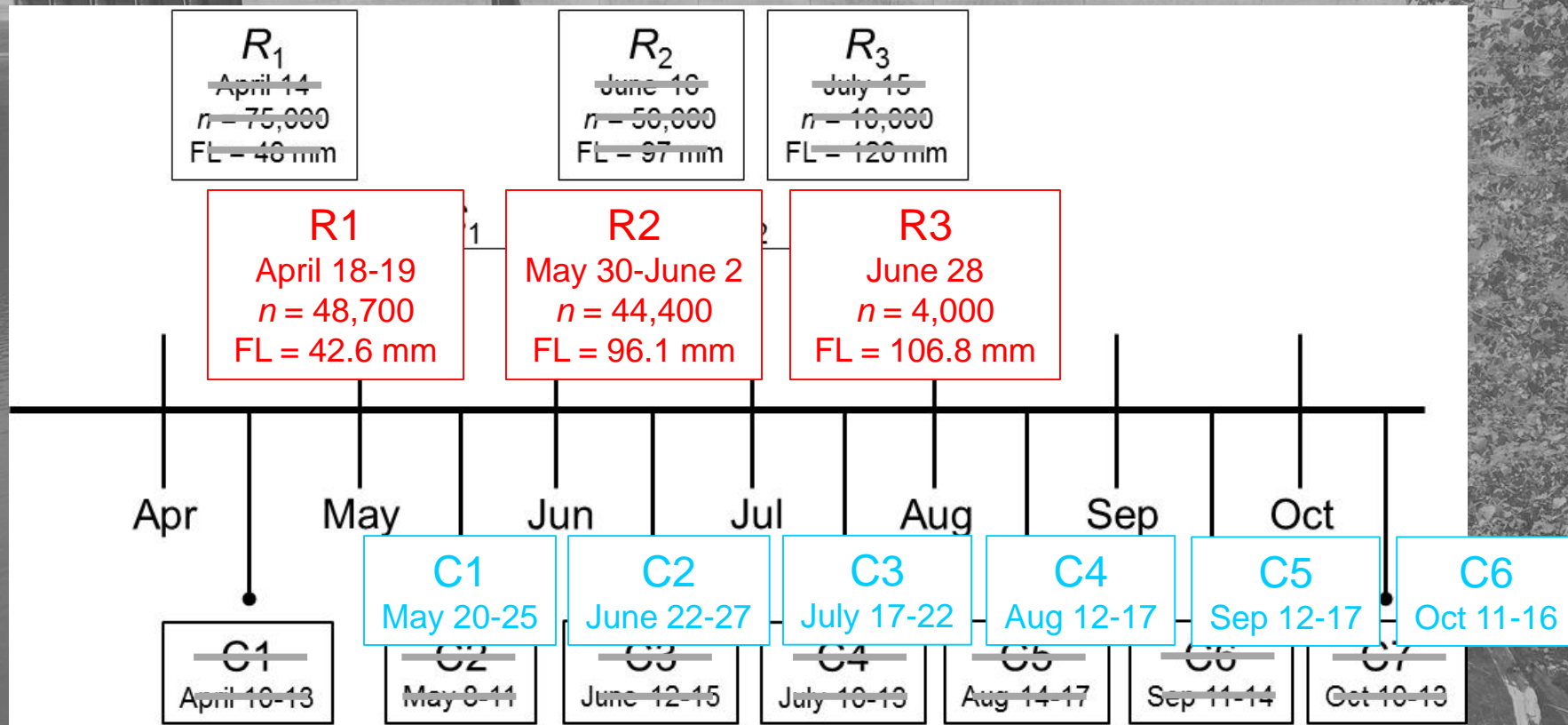


Assume that system is "closed"

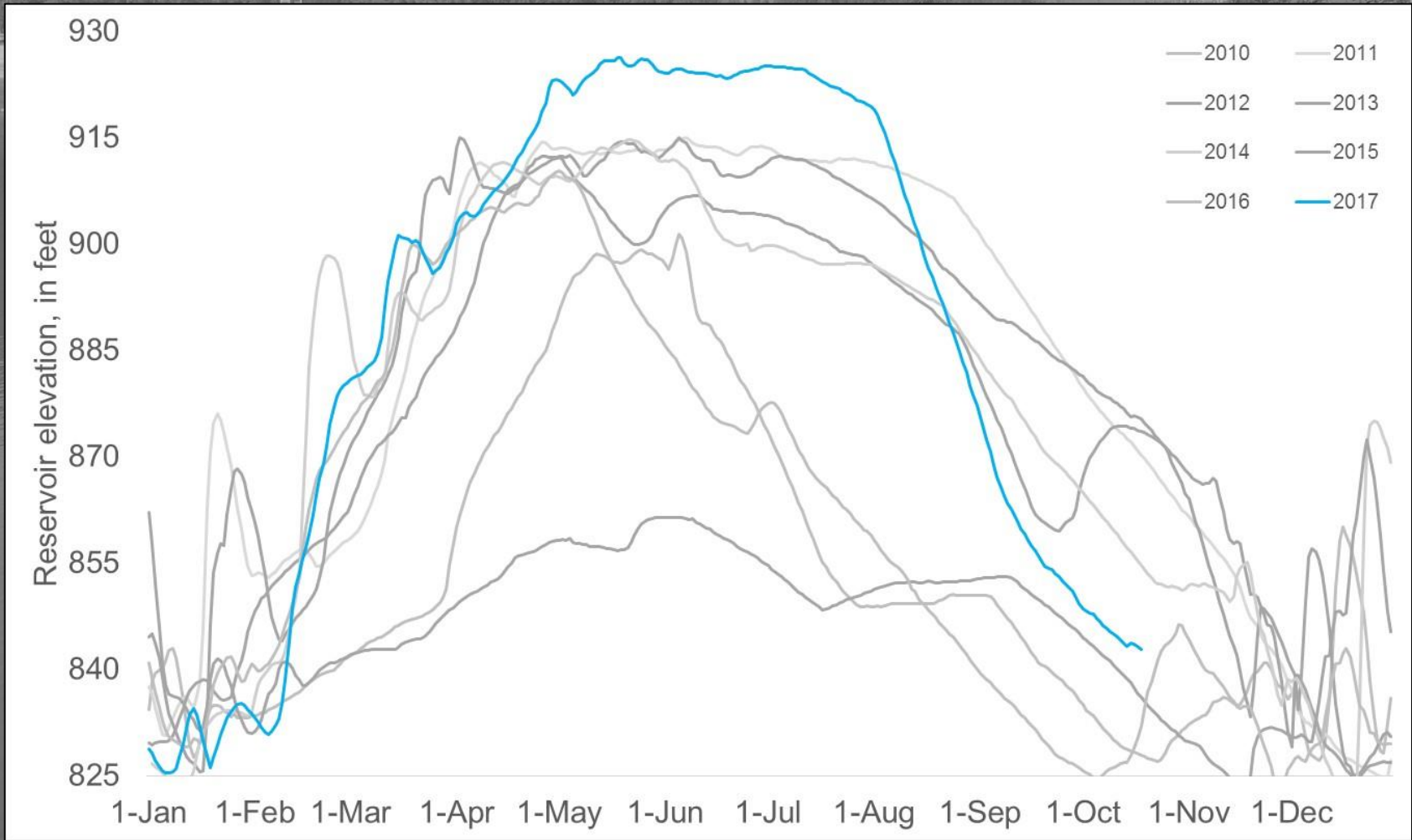
2017 Study Design



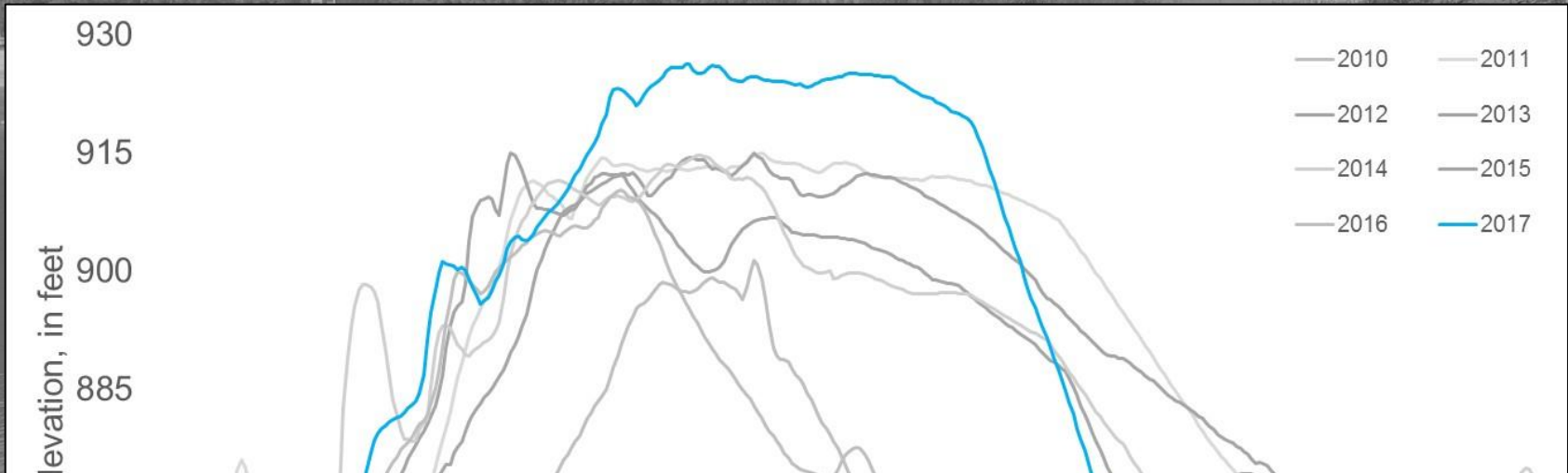
2017 Study Design



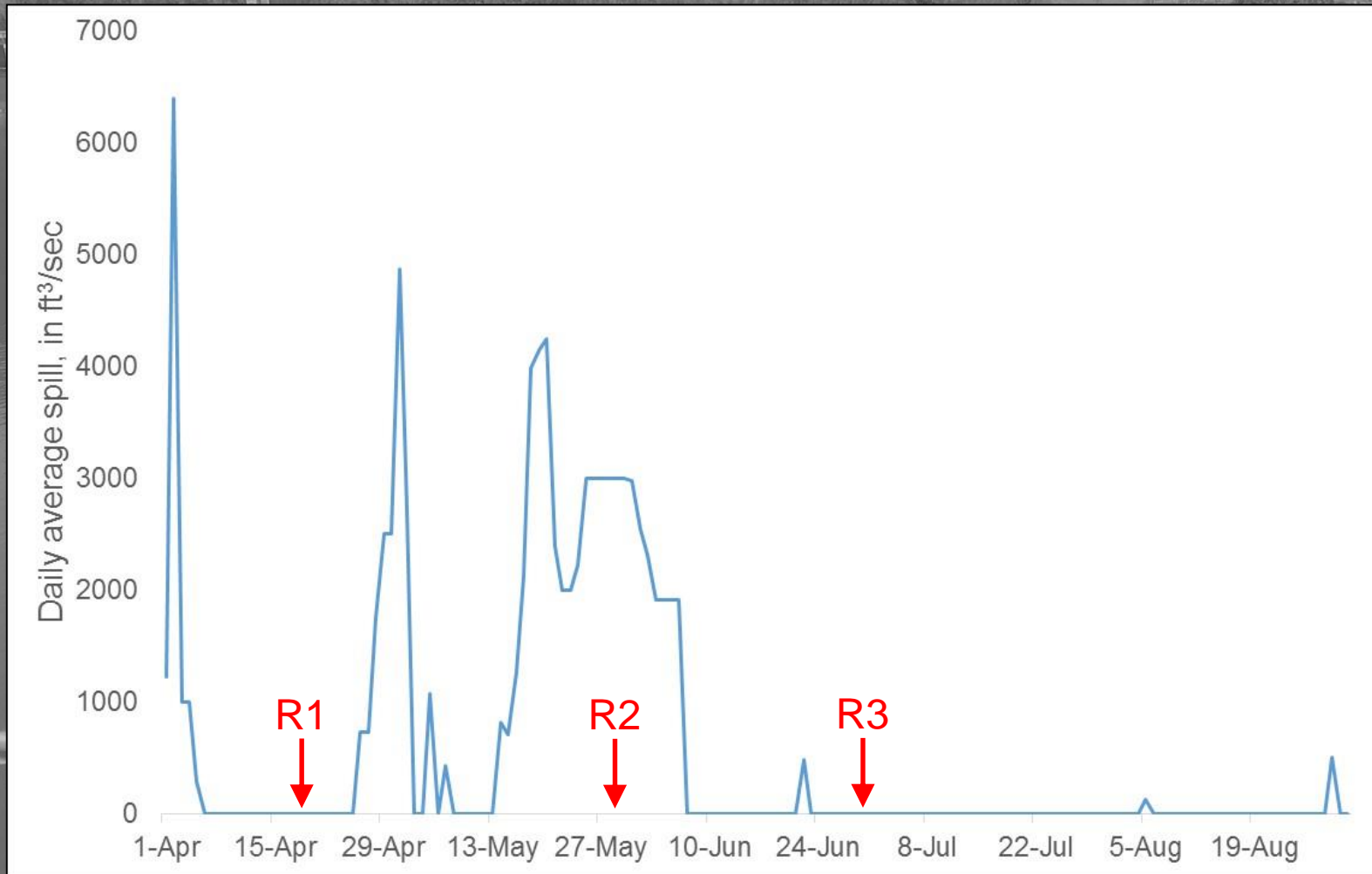
Large Snowpack and Runoff



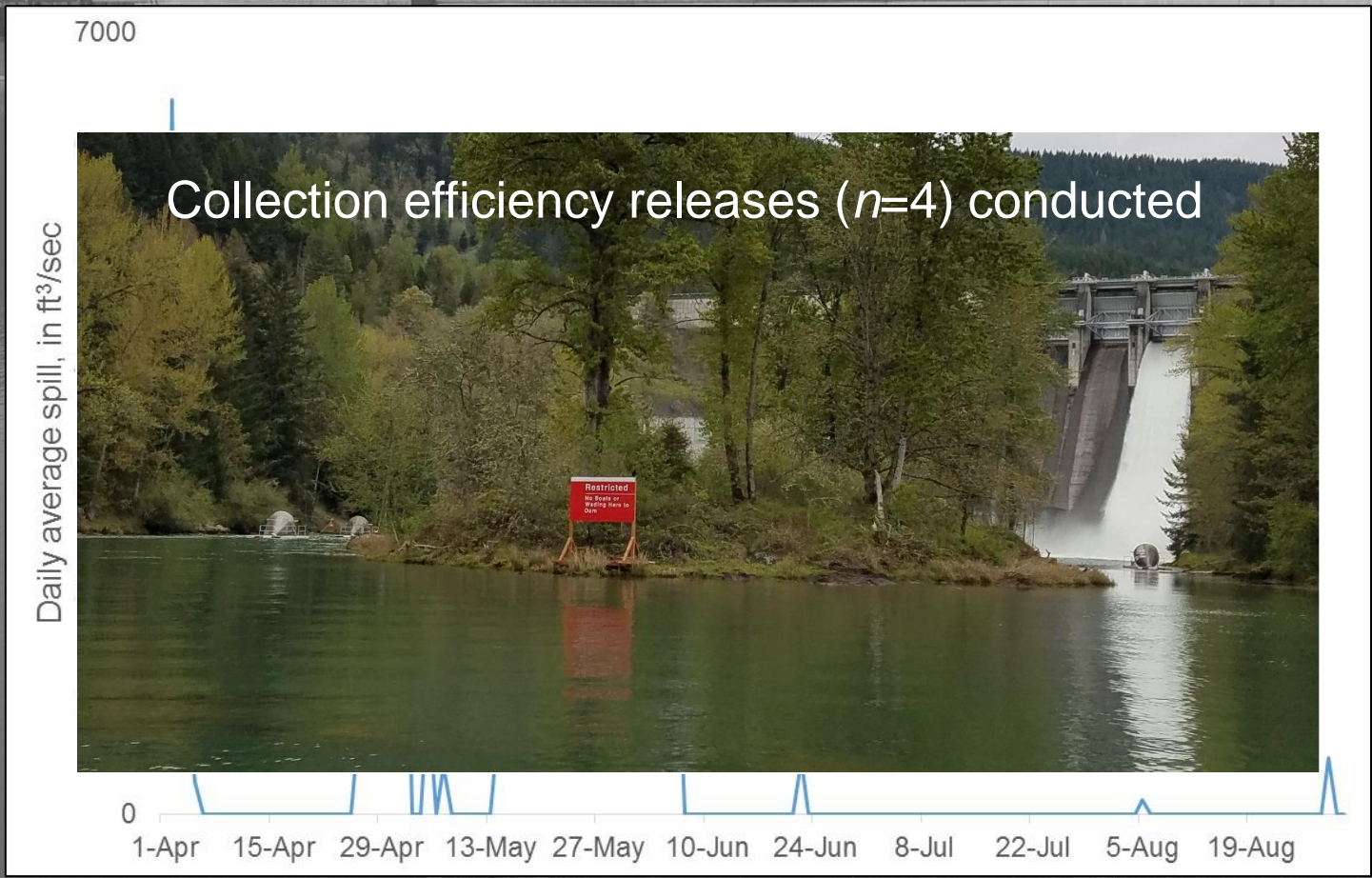
Large Snowpack and Runoff



Large Snowpack and Runoff



Large Snowpack and Runoff

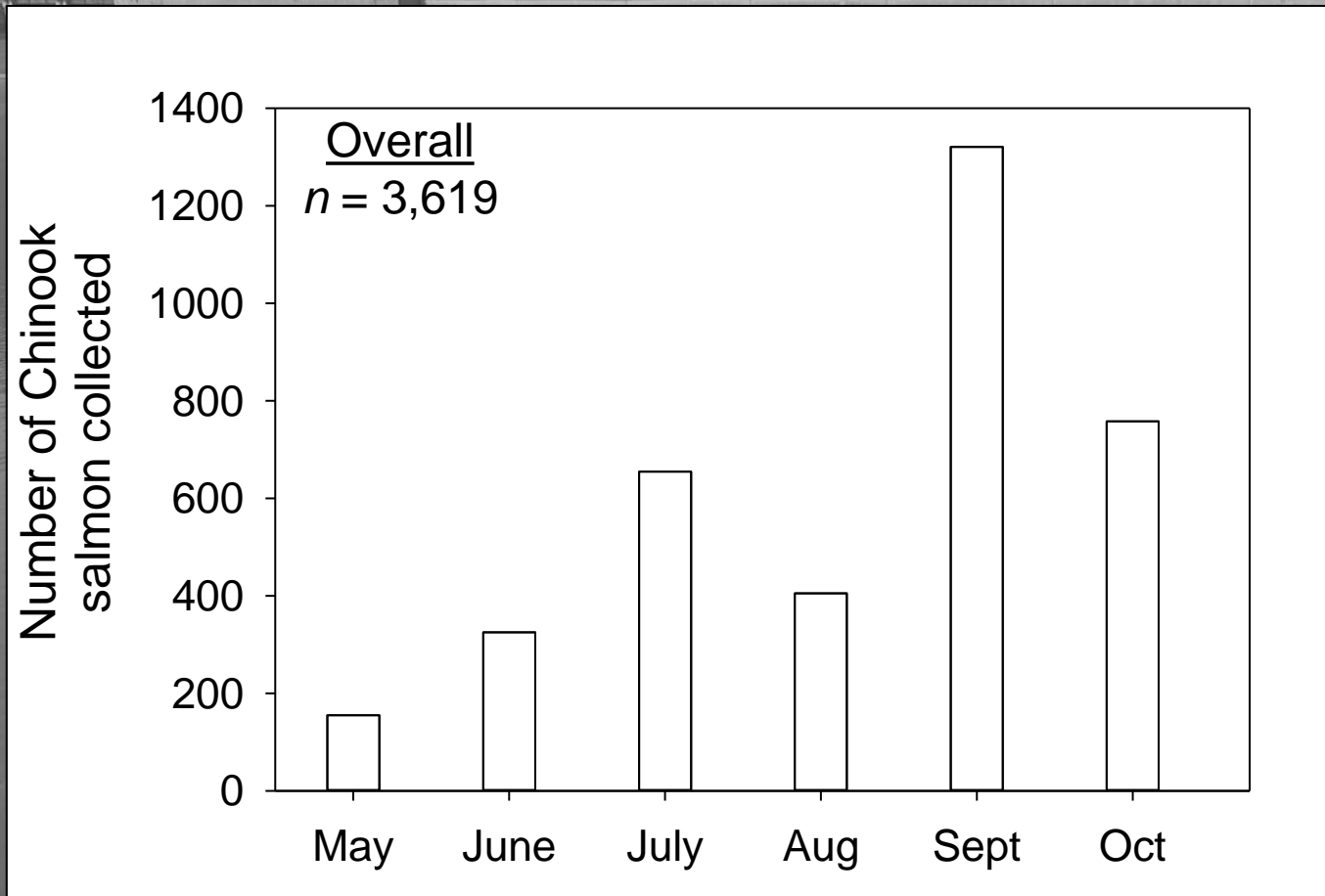


Reservoir Collection

- 40 “sets” per day
 - Electrofishing
 - Shoreline traps
 - Gill nets
- 4 consecutive days = original plan
- Revised to 5 consecutive days

Day 1	Day 2	Day 3	Day 4	Day 5
24 sets	40 sets	40 sets	40 sets	40 sets

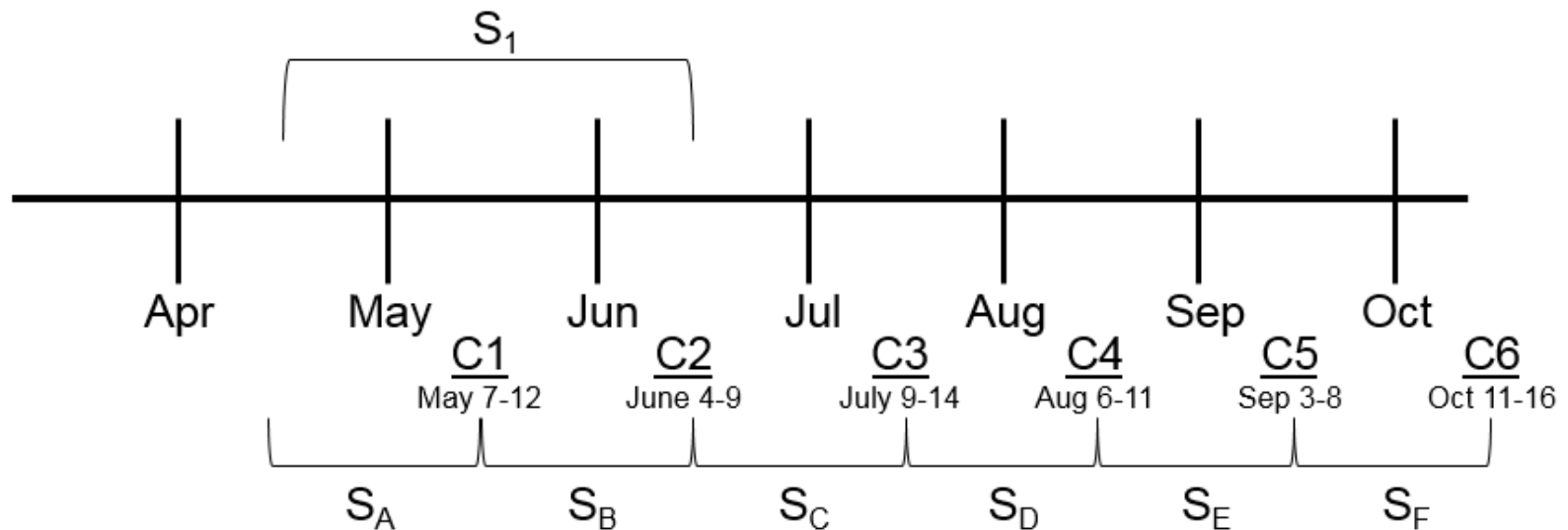
Reservoir Collection



2018 Study Design

R1
April 9-11
 $n = 135,000$
FL = 44 mm

R2
June 11-15
 $n = 65,000$
FL = 96 mm



- Assume that system is “closed”
- Ask USACE to operate screw traps if not

Deepwater Release

Fish holding temp = 14.5 °C

Surface temp = 20.1 °C

Fish released 40 ft below
surface, water temp = 14.5 °C

