

# Roza Reach Smolt Survival Study 2014 Preliminary Findings

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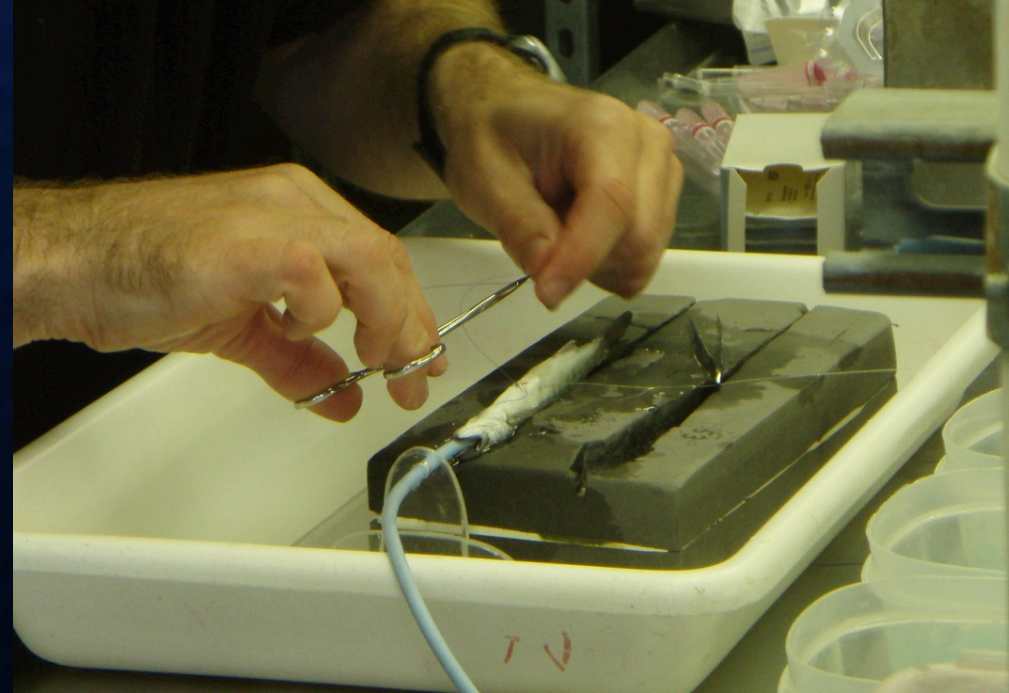
## Competing Hypotheses

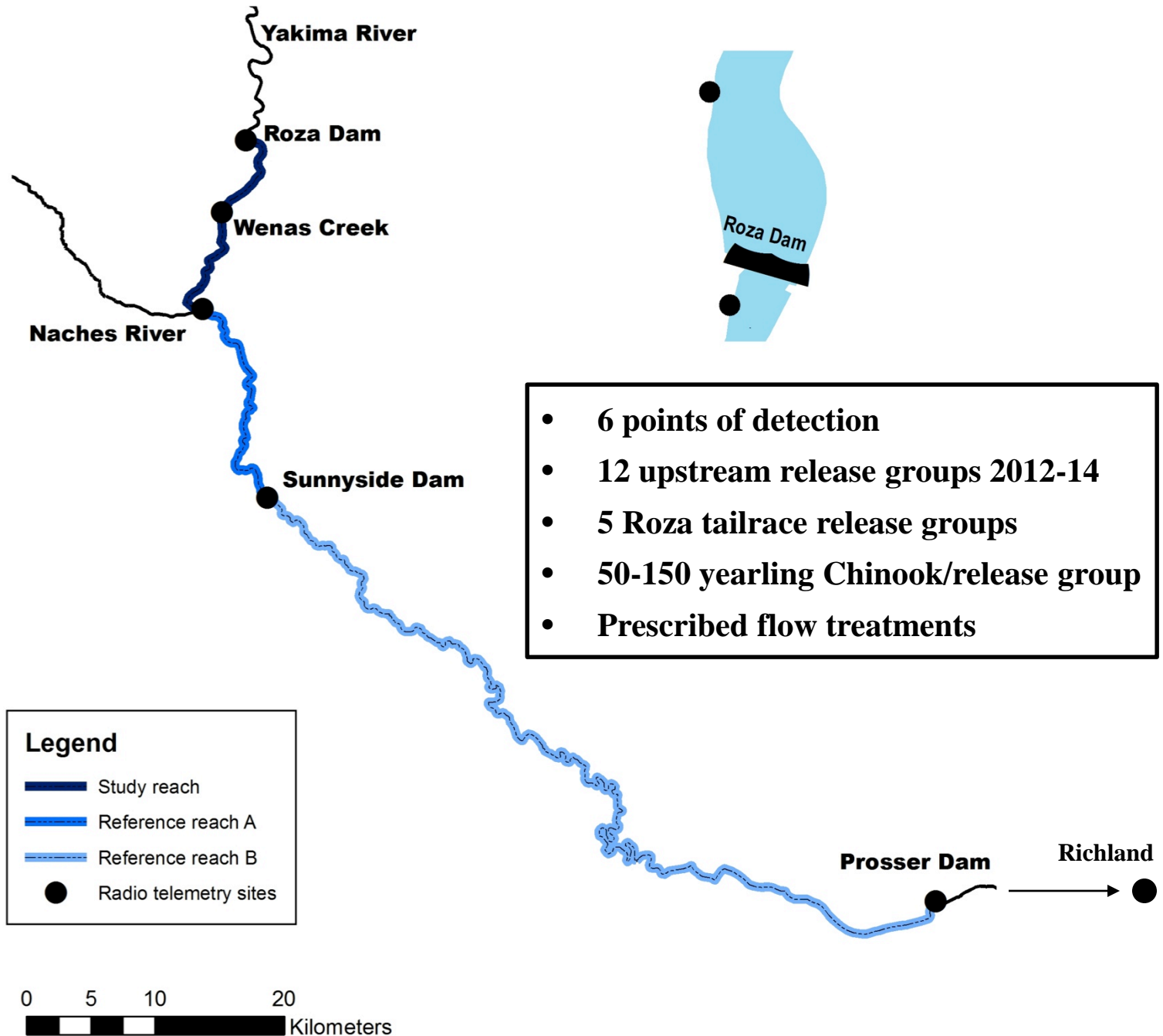
1. Low flows are causing abnormally high mortality between Roza Dam and the Naches-Yakima River confluence (“Roza Reach”).
2. Low mortality in the Roza Reach due to short residence time of emigrating smolts.



# Study Objectives

1. Quantify flow effects on smolt survival in the Roza Reach.
2. Partition effects of Roza Dam passage mortality from Roza Reach survival estimates.





# Treatment Groups

date	flow	
4/7/12	661	Low
3/29/13	697	
3/26/14	861	
3/21/13	1324	Moderate
4/18/13	1344	
4/26/13	1842	
4/4/14	1939	
4/28/14	2081	
5/2/14	2276	High
4/6/13	2636	
5/12/12	3614	
5/19/12	4311	

