

CRITFC MOA Sockeye MOA project 2009-2018

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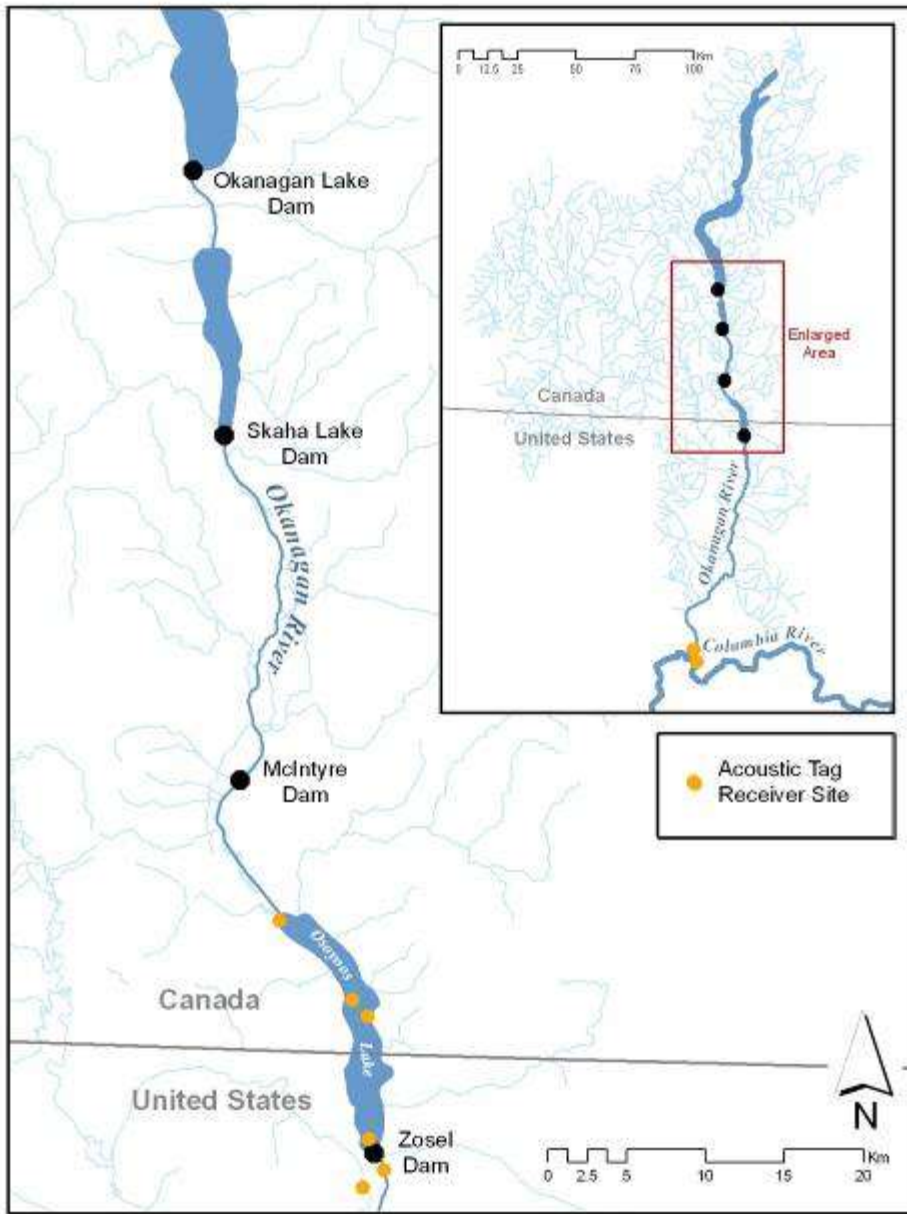
2009 Sockeye MOA project:

“Studies into factors limiting the abundance of Okanagan and Wenatchee sockeye salmon”

- Focusing in 2009 on Okanagan sockeye salmon with expectations of working more with Wenatchee sockeye salmon in subsequent years of the 10 year project.
- 2009 proposal has been developed with input from DFO and ONA.

2009 work focuses on upstream survival

- PIT tag detection installation upstream of Osoyoos Lake at VDS 1, 2, or 3 as well as at McIntyre Dam.
- Budget permitting, an acoustic network with acoustic tagging at Wells Dam.



Okanagan River inlet, (Vertical Diversion Structures 1-3 are located between 1 and 6 km upstream.)

North Basin

Central Basin

South Basin

Similkameen River

Zosel Dam

Province of British Columbia © 2009 TerraMetrics

Partition upstream survival and correlate with environmental factors

- Wells Dam-Okanagan River mouth
- Okanagan River mouth-Zosel Dam
- Zosel Dam to Lake Osoyoos Central Basin
- Lake Osoyoos Central Basin-Northern Basin
- Lake Osoyoos Northern Basin-lower VDS
- PIT tag detections should provide reasonably accurate estimates of escapement past lower VDS and upstream of McIntyre Dam.

Wenatchee Sockeye

- Fund an annual Acoustic Trawl Survey to estimate smolt abundance in Lake Wenatchee (DFO)
- Hold a Wenatchee stock workshop in winter 2009-2010 to learn what is known and what is not known about factors limiting the abundance of Wenatchee sockeye salmon.

Beyond 2009

- Project proposal only submitted for 4/1/2009-3/31/2010 but it is anticipated to be a 10 year project.
- Another sockeye workshop focusing on Columbia Basin sockeye at the National American Fisheries Society meeting in Seattle in 2011.
- Develop and implement plan for Wenatchee sockeye.

Other possible work beyond 2009

- Zosel Dam PIT tag detection?
- Expansion of the acoustic network/tagging, possibly tagging at Priest Rapids Dam and including the Wenatchee basin.
- Acoustic tagging juveniles in the Okanagan Basin?
- Other ideas...