

**PROJECT:**

- Okanagan Lake Sockeye acoustic tagging and tracking
- Final fate assessment of terminal spawning location of tagged sockeye
- As part of the controlled trial operation of the Okanagan Lake Dam fishway



Okanagan Lake Dam Fishway Entrance

**LOCATION:** Okanagan Lake:

- 100 adult Sockeye will be acoustic tagged at Okanagan lake Dam Penticton
- 15 VR2W Acoustic receivers will be placed in strategic locations in Okanagan lake and downstream of the Okanagan Lake Dam

**KEY MESSAGES:**

- Acoustic tags will be surgically implanted in adult sockeye, captured in the Okanagan Lake Dam fishway, and released upstream of the dam into Okanagan Lake
- Acoustic receivers detect tags within approximately 100-600m or more and record the unique tag ID, date and time stamp of detection. By monitoring where and when fish are detected we can re-create fish movement life histories and make best guesses on where they finally spawned or perished.
- Final Fate assessments of where adult sockeye end up will drive restoration/protection actions for re-introduction of Sockeye into Okanagan Lake.
- Hatchery –origin adult sockeye Salmon originating from the spring of 2017 introduction returned in small numbers (a few hundred) as adults aggregating below Okanagan Lake Dam in Penticton in 2019 and larger numbers (several thousand) are expected in 2020. Significant numbers of adult returns are also expected in 2021-2022.
- **Please do not disturb the receivers**, if found please inform ONA staff asap. The receivers require downloading of data in order to retain data and information collected on fish detected.
- If a fish is angled or captured with a tag in the stomach, the tag can be returned to ONA offices.

**ONAFD TEAM:**

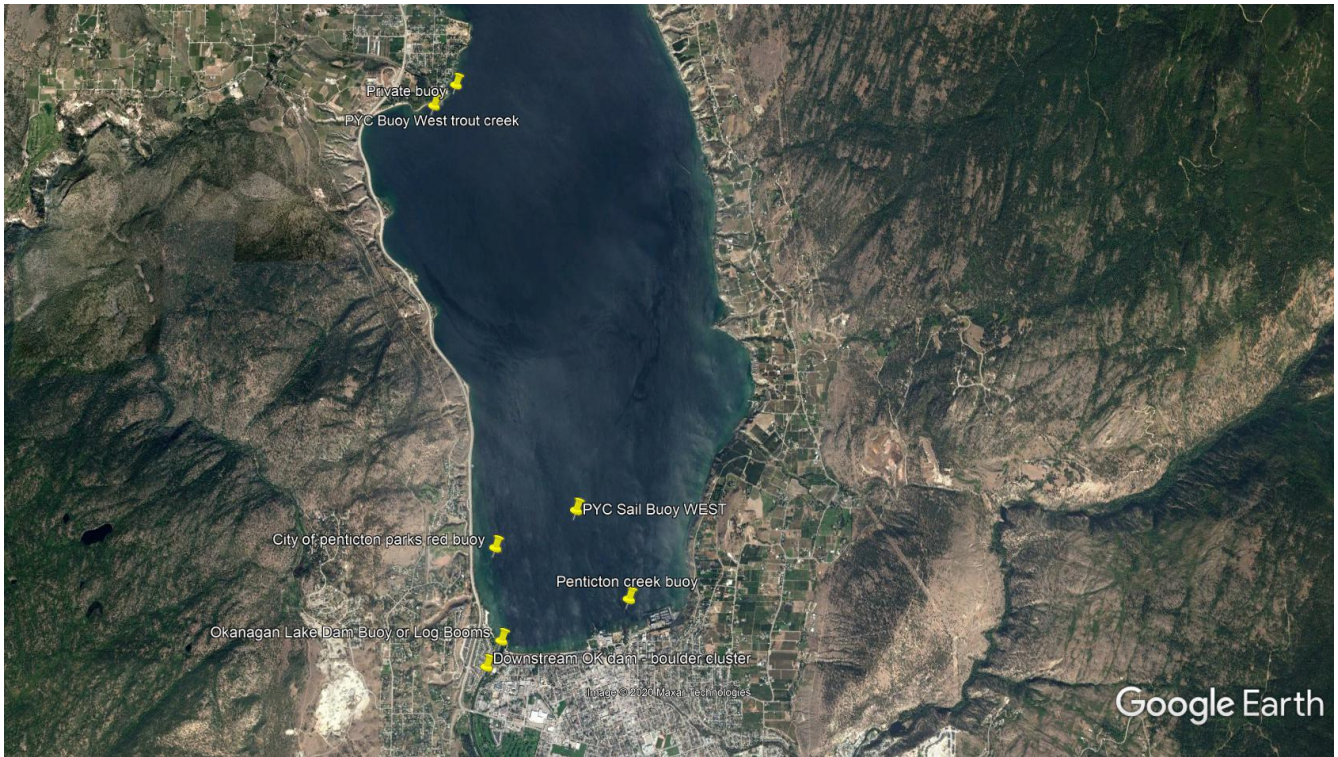
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**Location of Acoustic Receiver Sites:**







**PROJECT PARTNERS:**

- Columbia River Inter-Tribal Fish Commission
- Grant and Chelan Public Utility Districts
- Colville Confederated Tribes
- Bonneville Power Administration
- Department of Fisheries and Oceans Canada