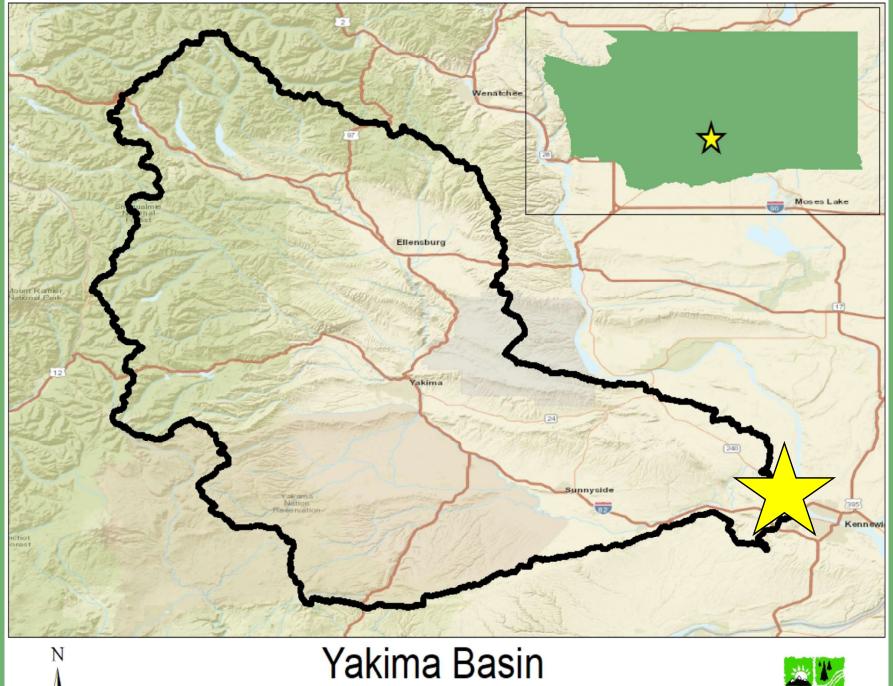
I-182 "Bubble Up" Thermal Refuge Assessment







120 Miles



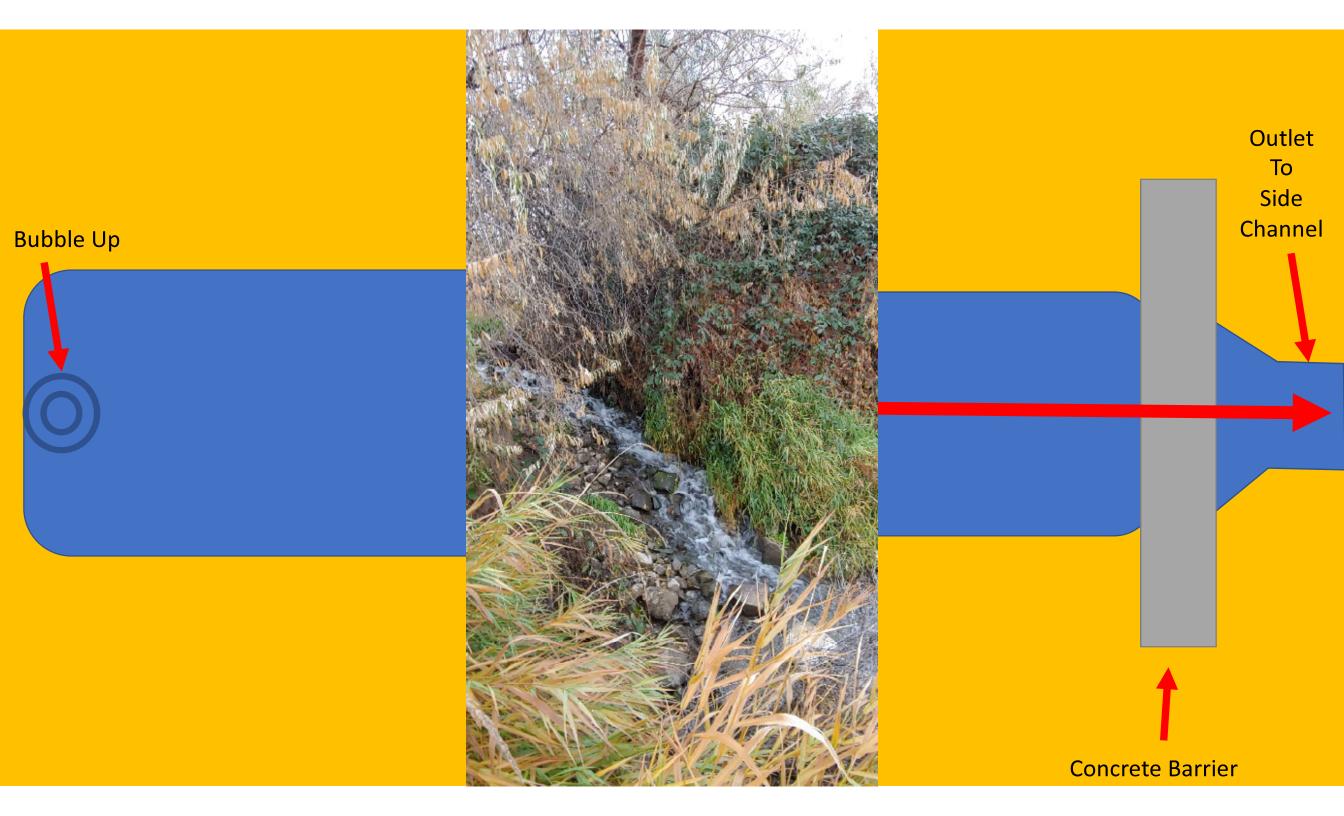


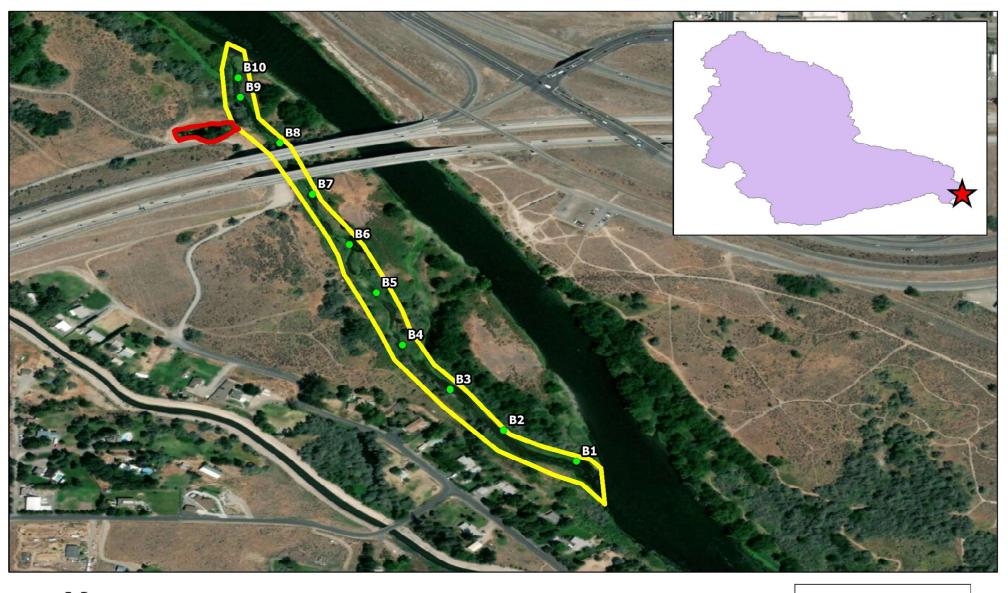


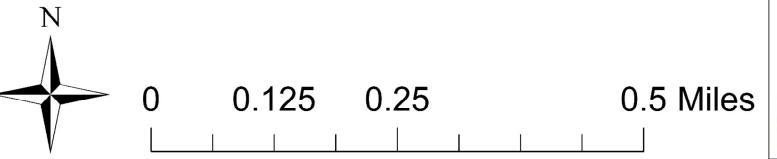












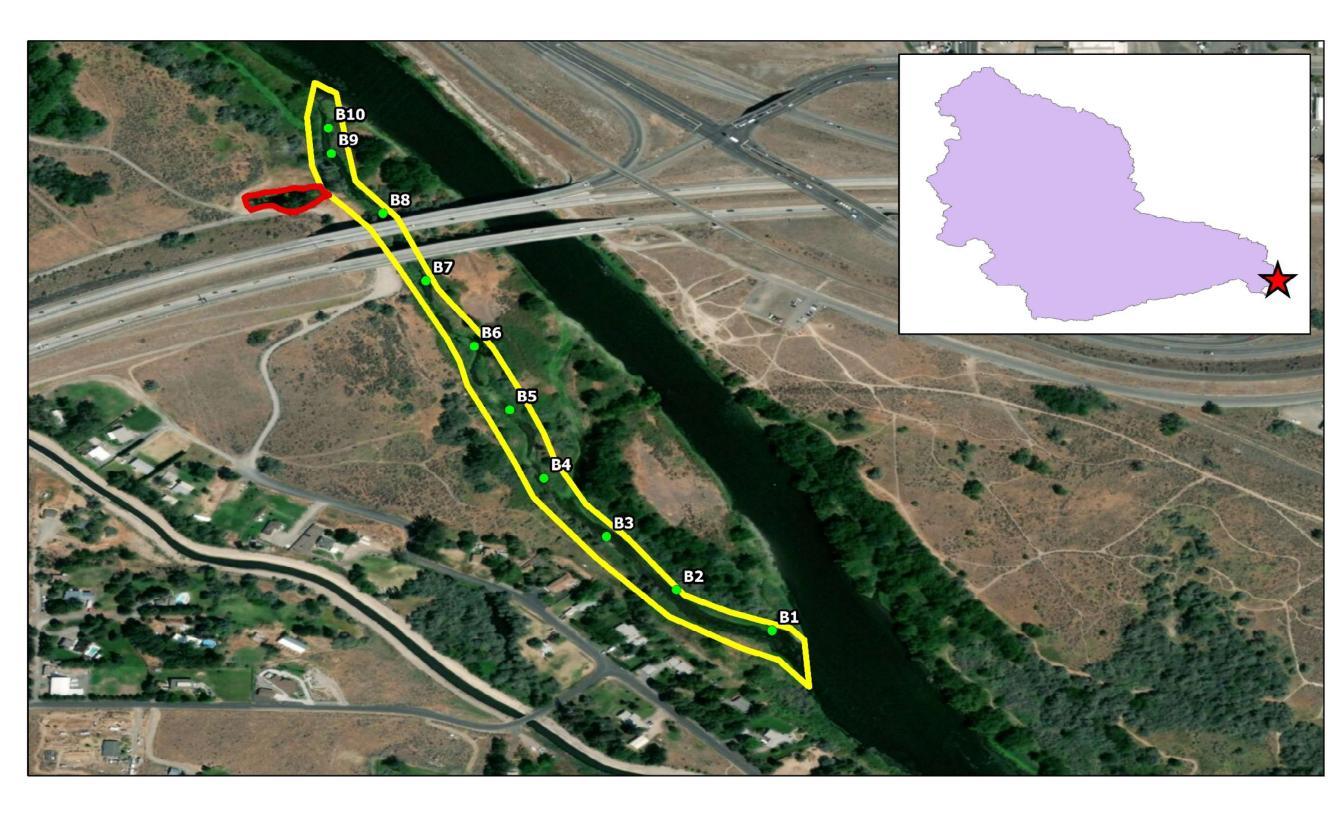


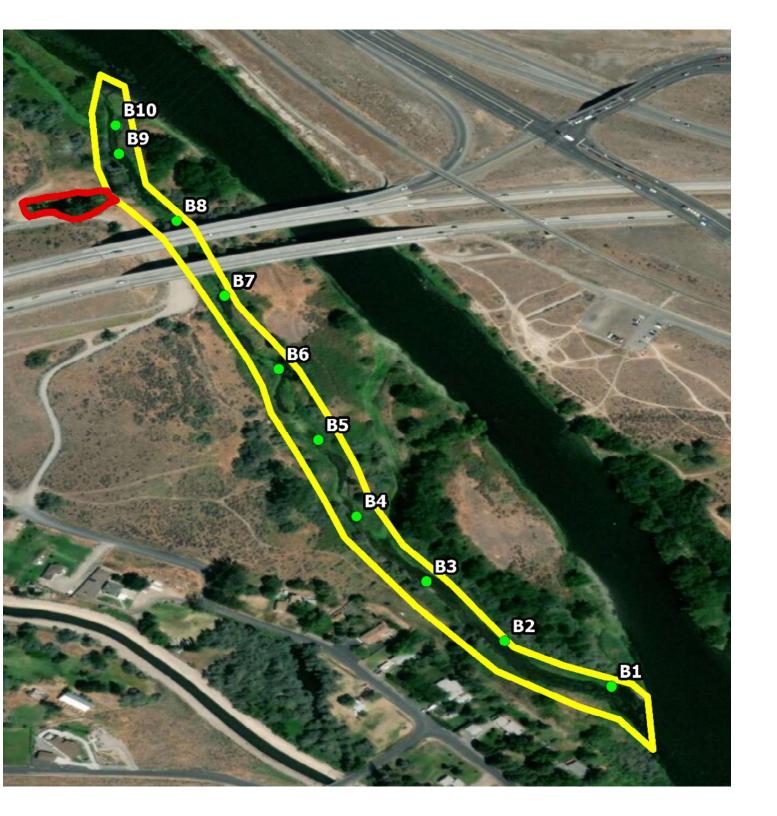
2019 Data Collection

- Habitat Assessment
 - Substrate
 - LWD
 - Riparian cover
 - Fish species present
 - BF width
 - BF depth
 - Temperature



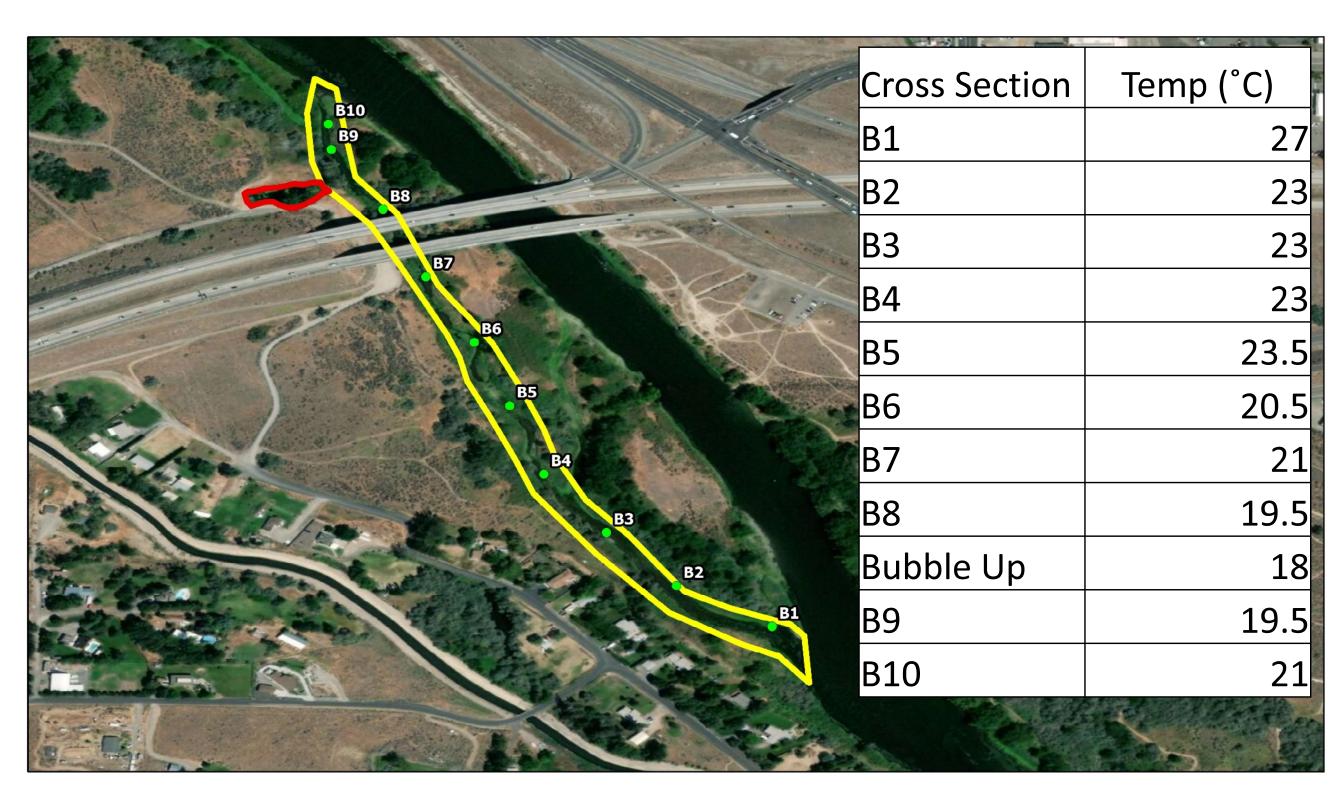






Data Summary 7/9/2019

- Little riparian cover (<5%)
- I piece of LWD
- Substrate- cobble, gravel, fines
- Little flowing water
- Small mouth bass in side channel



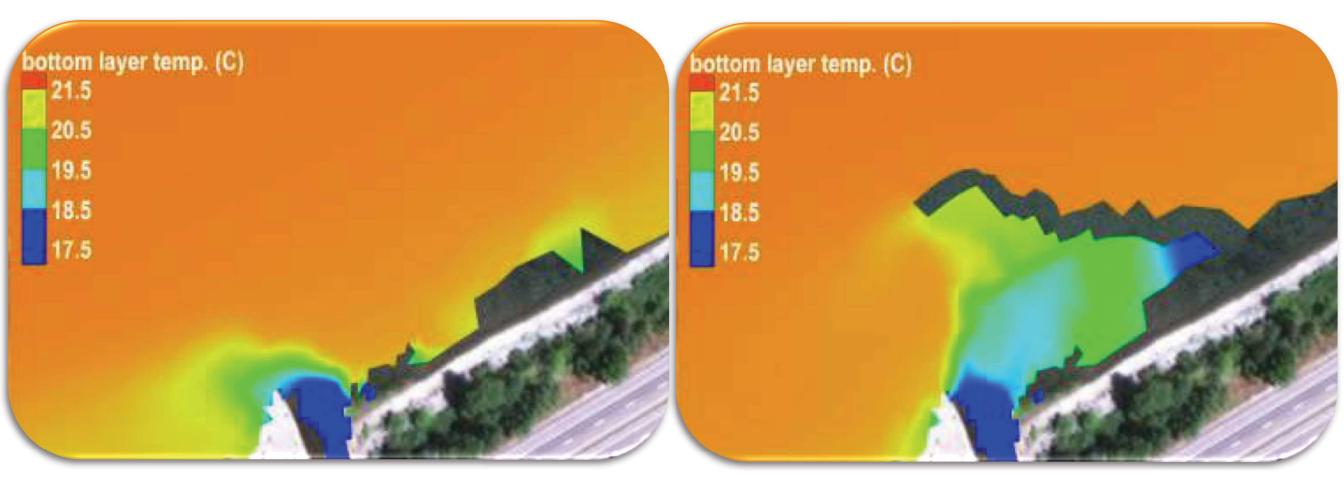
New Questions!

- Could this be altered to create thermal refuge?
- How big of a pocket of cold water could this create?





Existing Enhanced











Bubble Up Pool Dimensions

