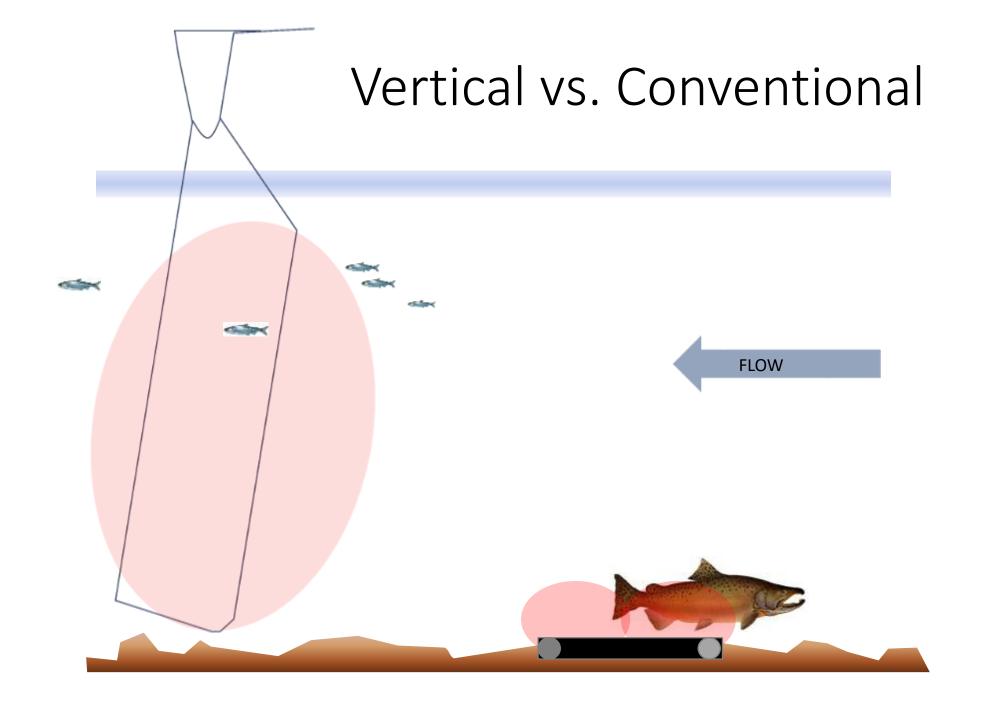
PIT Detection Barge: new approach for challenging monitoring locations

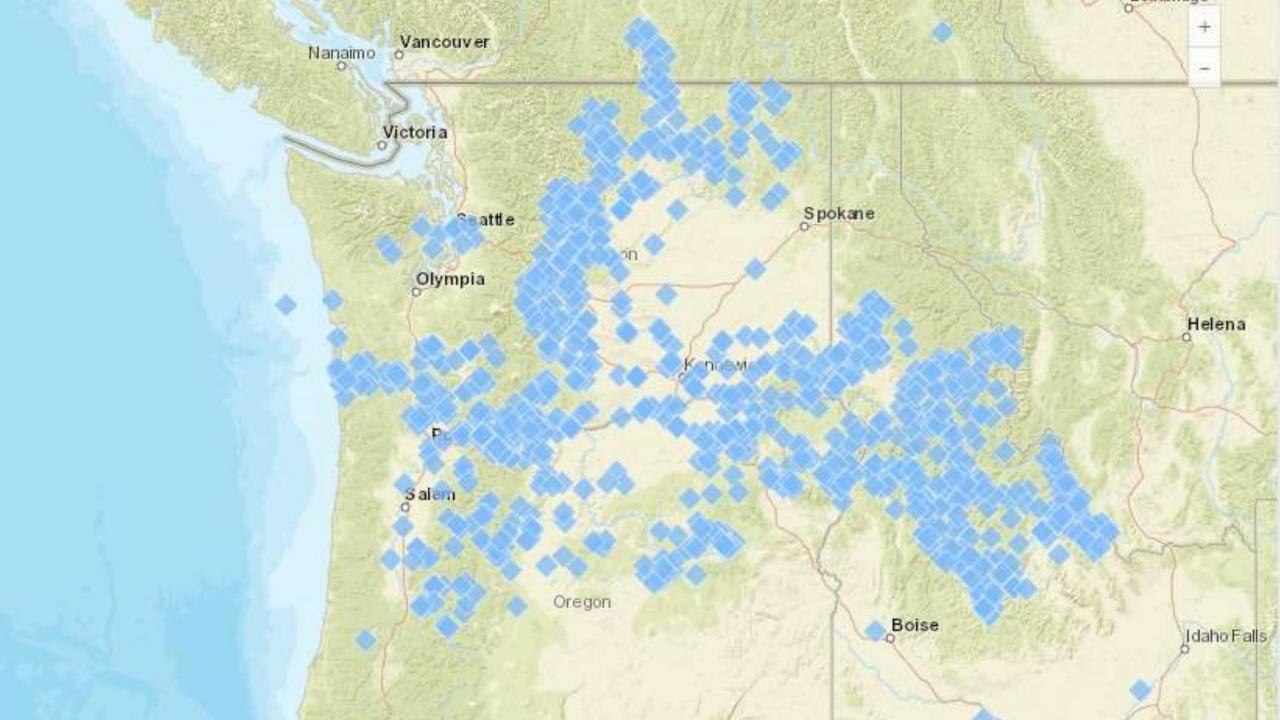
Phil Peterson, Gabriel Brooks, Gordy Axel, Heidy Barnett and Erek Arnold WA-BC Chapter American Fisheries Society AGM 2019

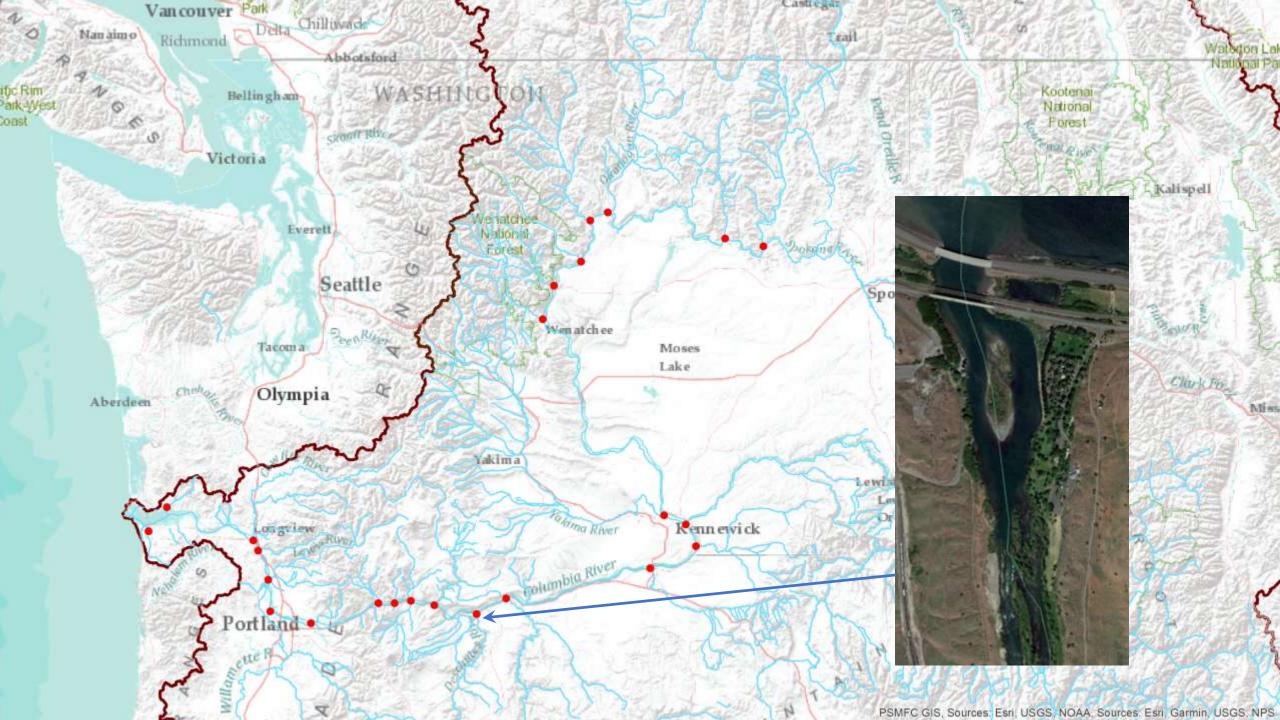


Bremerton, Washington April 8-11, 2019







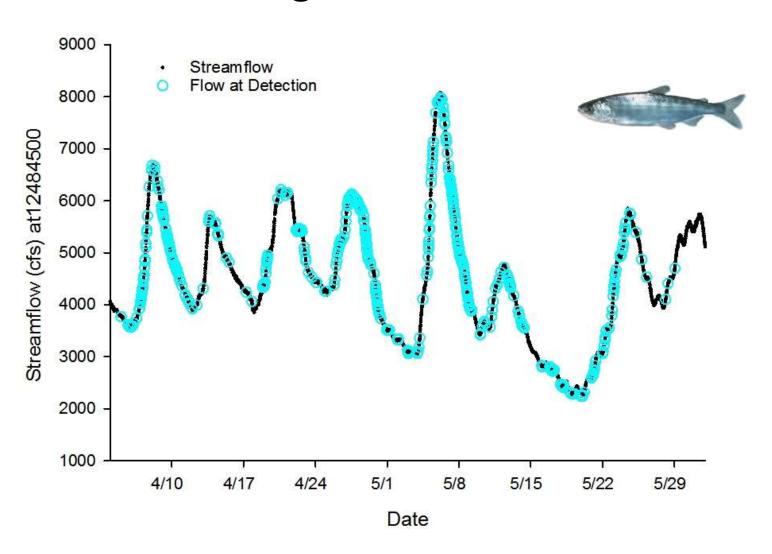






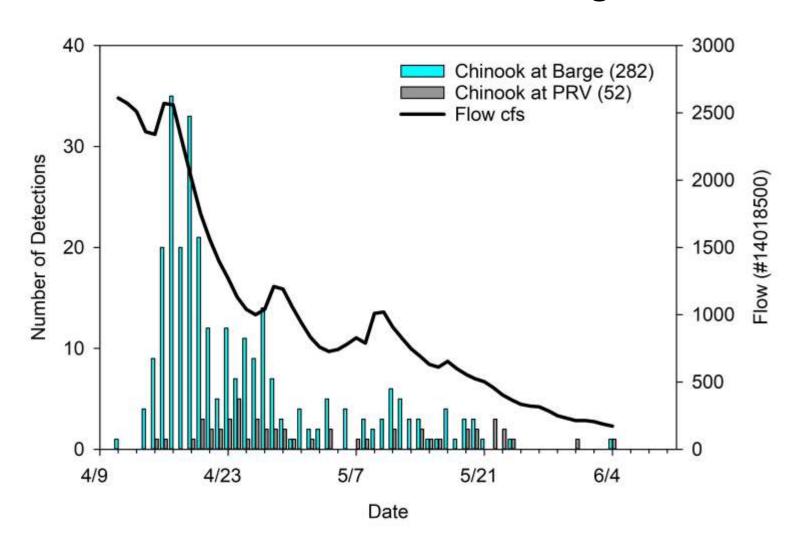


Yakima Barge Detections with Flow





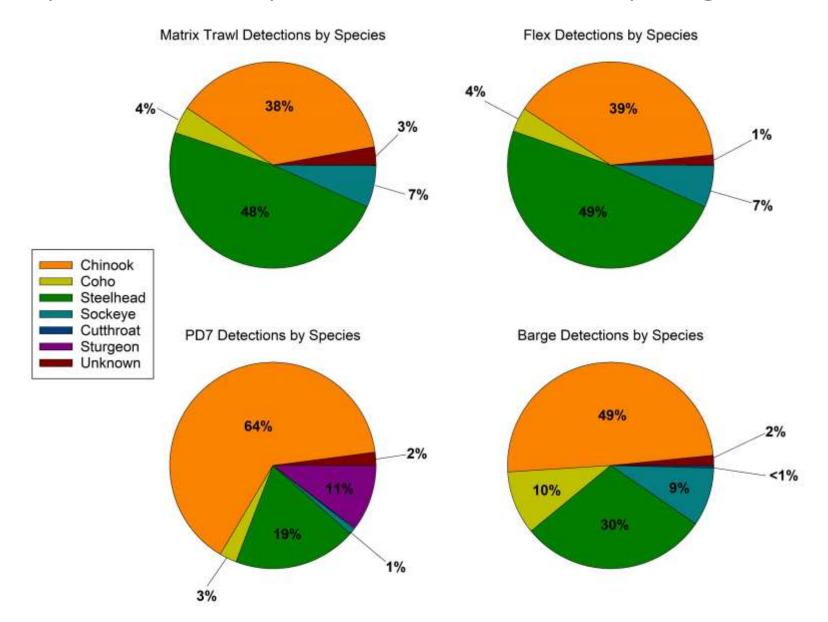
Chinook Detections Walla Walla River Spring 2018 Flat Plate versus Barge







Species Composition: Four Sampling Methods



Summary Comparison

Barge (vertical antennas)

- Location (mobile and flexible)
- Install anytime
- Cost (comparable to +25%)
- Maintenance (down time minimal)
- Detect over all flows
- Juveniles good / adults variable

Flat Plates (horizontal antennas)

- Location (stationary and fixed)
- Install low flow only
- Cost (comparable to -25%)
- Maintenance (down time great)
- Detect narrow range of flows
- Juveniles poor / adults good

