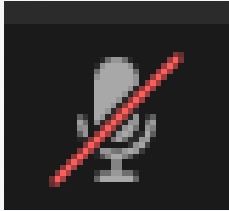

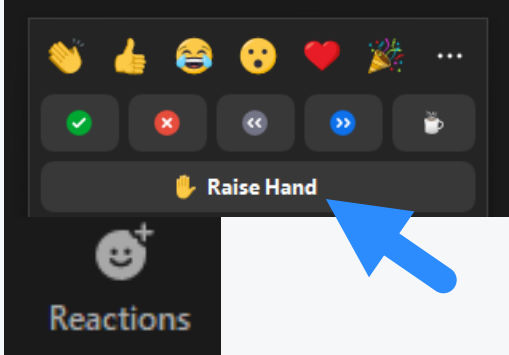


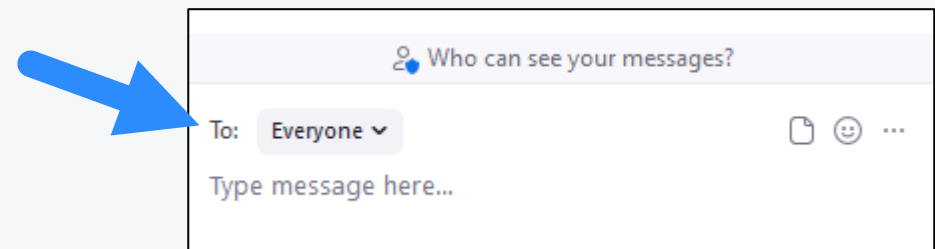
Community Salmon Investigation (CSI) for Highline: 2021 Results

Iris Kemp
Miller-Walker Basin Steward



THE **zoom** ROOM

- Please  when you're not speaking.
- Use  and  to contribute.
- Check to make sure your chats go to everyone!





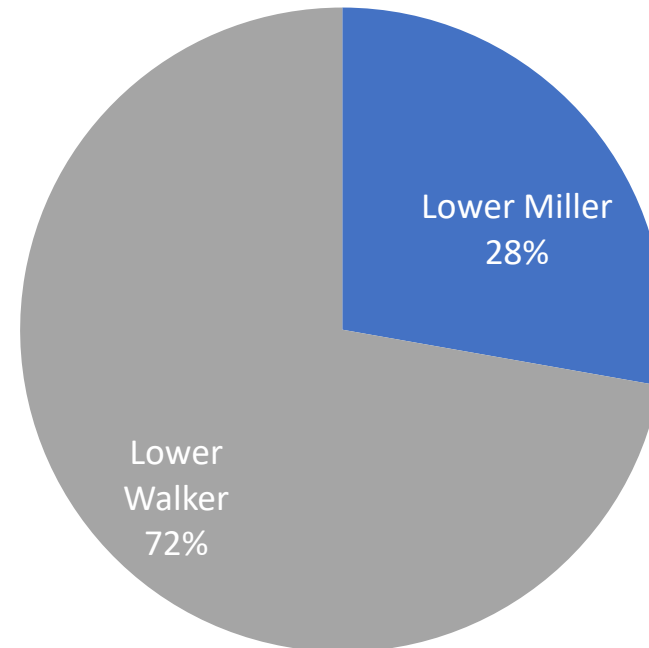
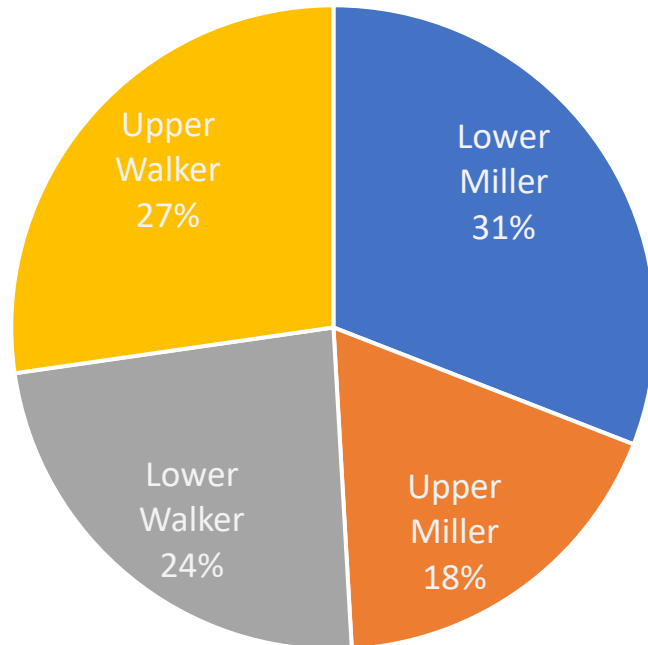
CSI in Action: Teamwork!



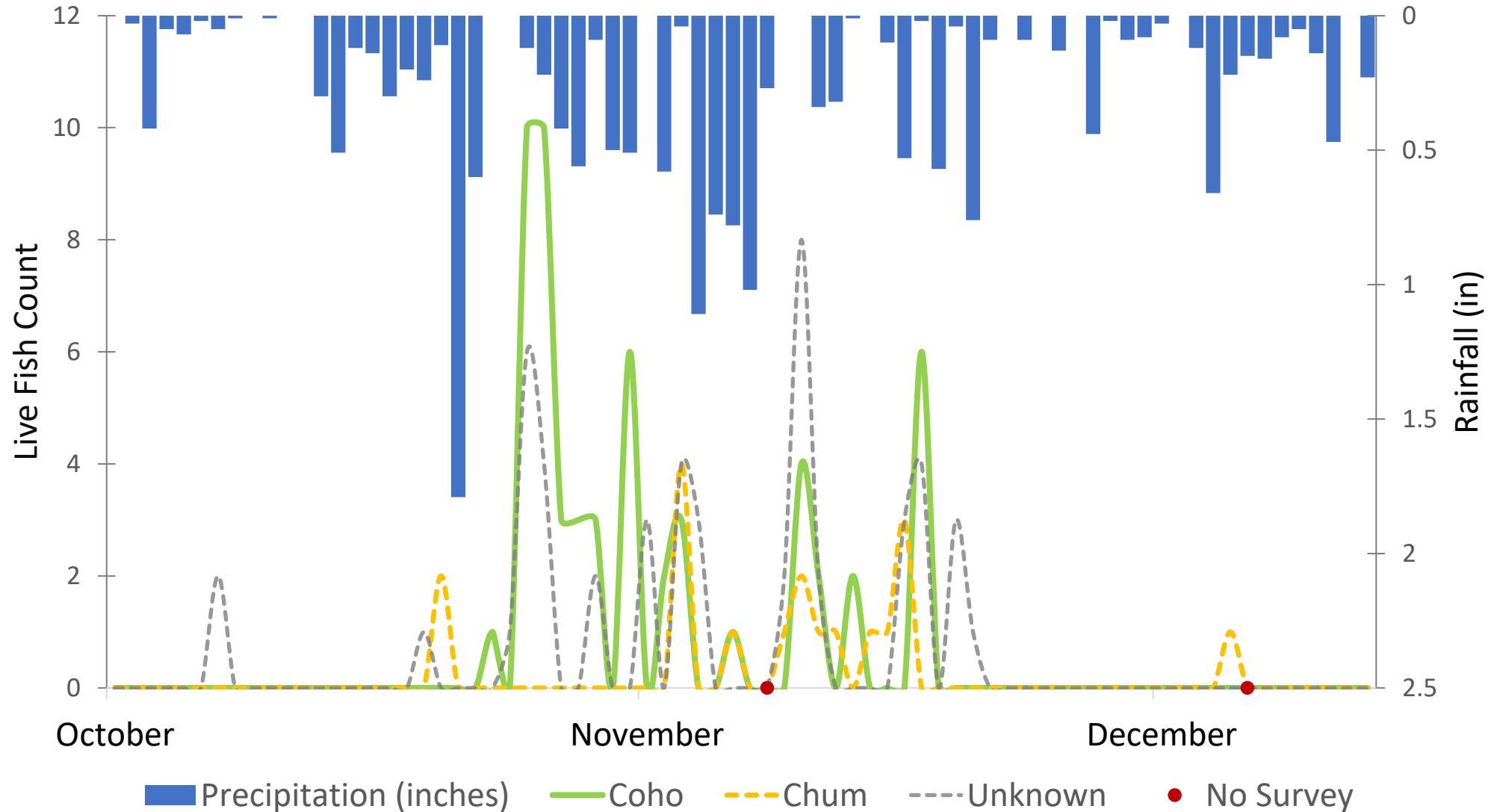
35 volunteers; over **400** hours!!

Total Live Fish Observed

	Coho 	Chum 	Unknown	Total Live Fish
Miller Creek	27	5	26	58
Walker Creek	28	13	15	56
Total	55	18	41	114



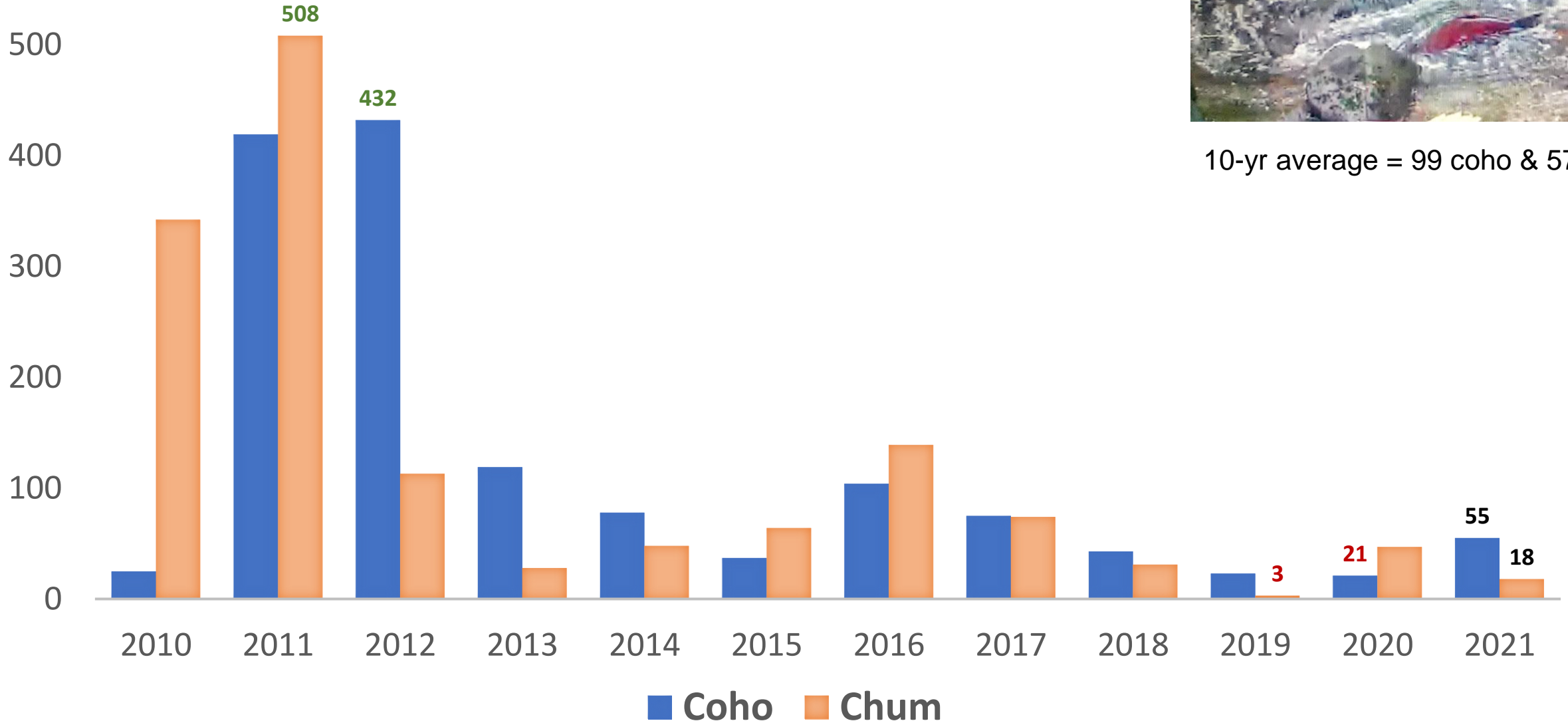
Daily Live Fish Count & Rainfall



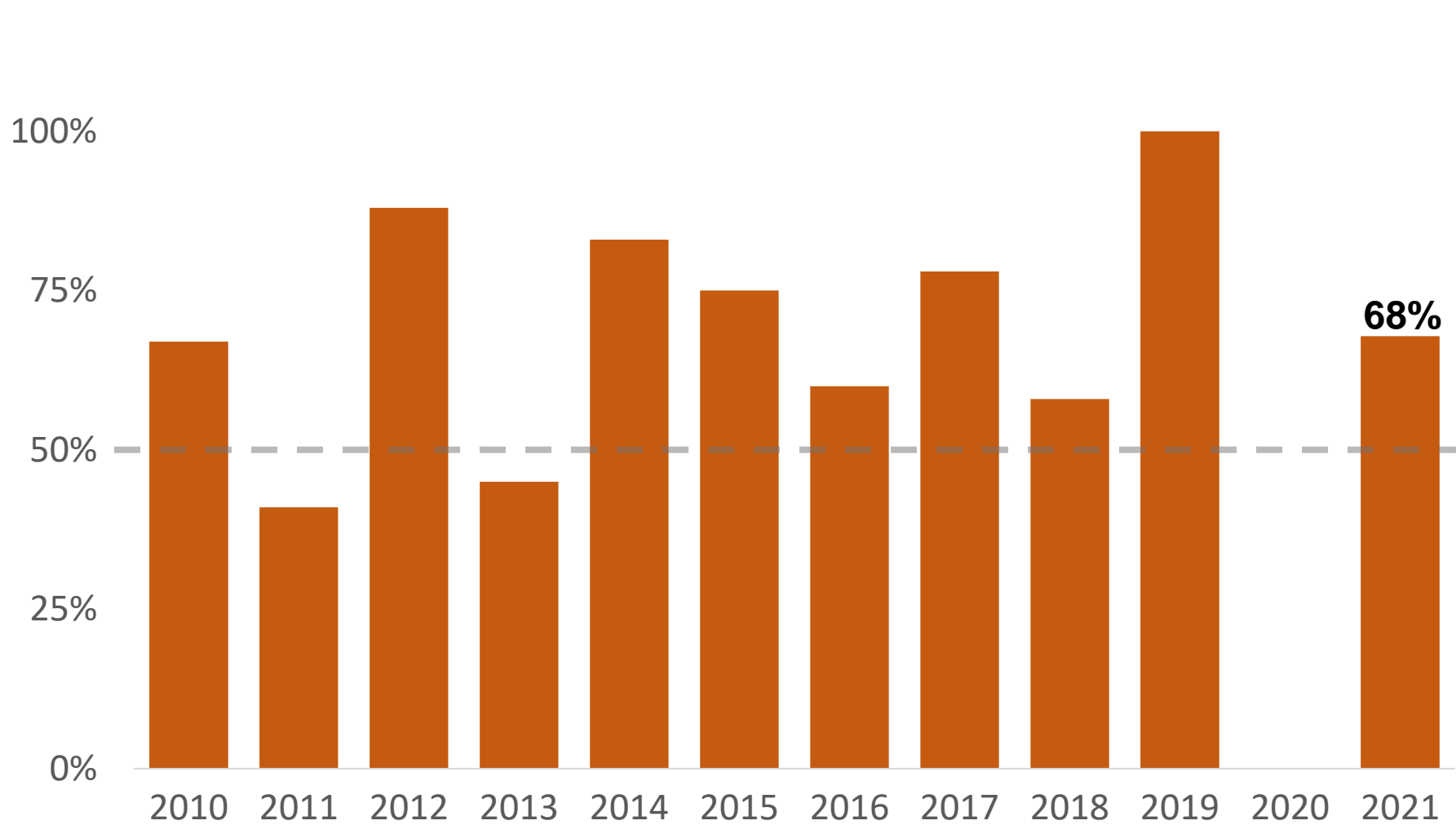
Time Series: Live Fish Observed

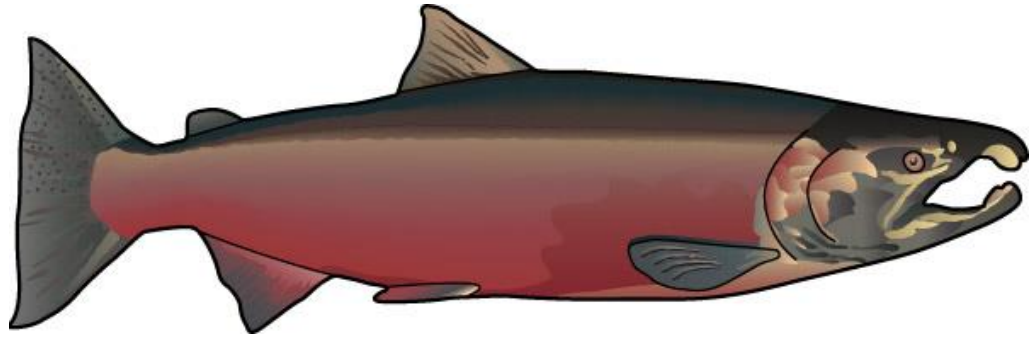


10-yr average = 99 coho & 57 chum



Time Series: Coho Pre-Spawn Mortality





W

Emerging science on
Coho Salmon & Car Tires

Please welcome Ed Kolodziej!

How Urban Lands Affect Streams

- **Stream flow**

- Faster, higher flowing water more often
- Less and warmer water in summer

- **Water pollution**

- Warmer, low dissolved oxygen, altered pH, more turbid
- More pollution - bacteria, metals, pesticides, oil, salt, etc.

- **Physical habitat conditions**

- Substrate: hardened, more silt/sand, less gravel
- Salmon nests in gravel are smothered
- Streamside vegetation: native, invasive, absent
- Reaches inaccessible to resident and anadromous fish

Things *You Can Do*: clean up runoff

- Check for oil leaks in your car. Contain leaks until you can get the car fixed.
- Wash your car **at a carwash** or **on the lawn**. Keep soap and oil out of the storm sewer and out of the creeks!
- Pick up after your pet.



Things *You* Can Do: remove ivy & save your trees



Before

After



Things *You Can Do*: leave downed logs & branches in the stream



Great

Not so great



Things *You* Can Do: Volunteer Again!





Miller Creek Trail
April 23, May 14, November 5

Walker Preserve
March 19, June 4, October 29

Iris Kemp
ikemp@kingcounty.gov

