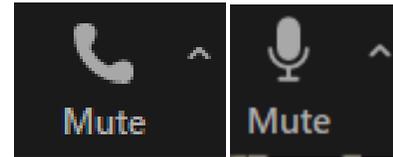# Columbia Basin Collaborative Predation Work Group
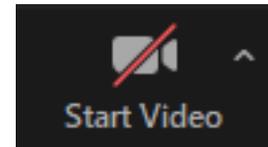
November 3rd, 2022
9:00am - 11:00am PT

Zoom Webinar Features – Work Group Members
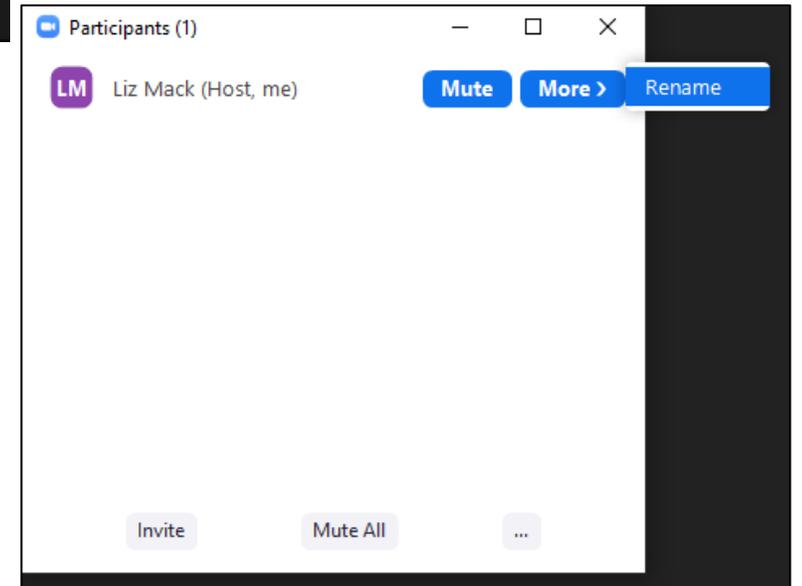
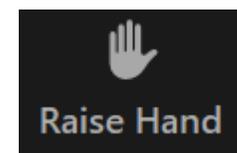**Keep yourself on mute** when not speaking.

Use video, if possible, to promote face to face communication.

If needed **rename yourself** in the participant panel.

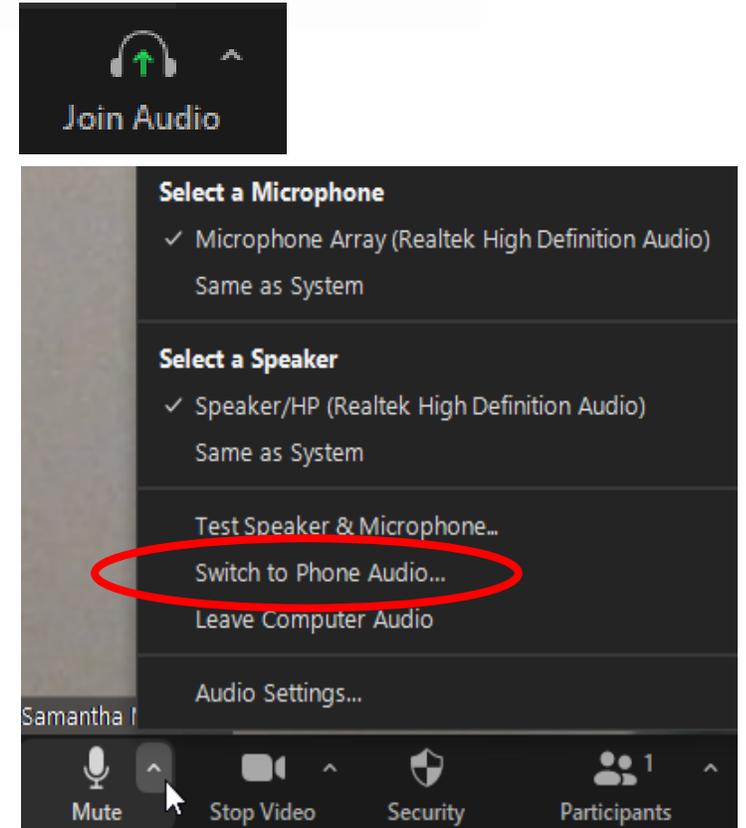Find your **raise hand function** at the bottom of your screen

Zoom Webinar Features

- If you have not **connected your audio**, click on the "Join Audio" at the bottom left of your screen.

- To **switch to phone**, click the arrow next to the microphone icon and select "Switch to Phone Audio".

- If you have joined by browser, please click "Audio Settings"

For technical support, please contact Angela Hessenius

Zoom Webinar Features – Audience Members

Audience members will remain muted.

If you have technology issues, please use the Q&A feature to reach our team
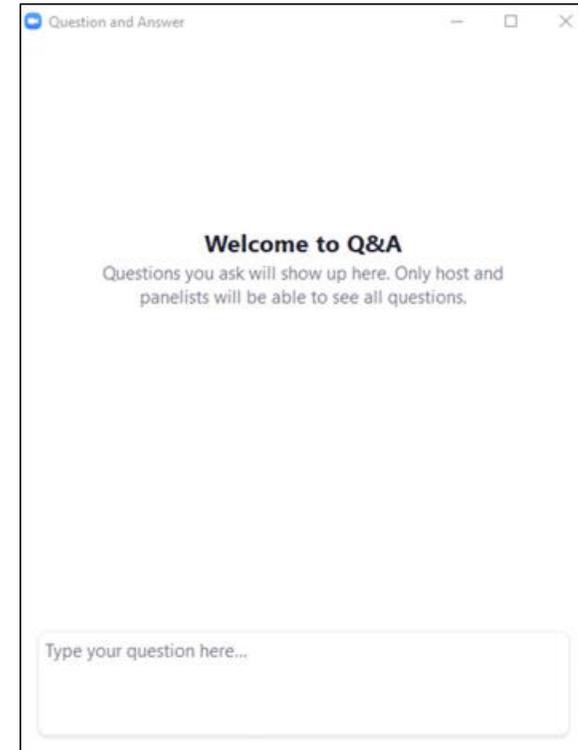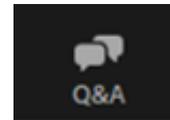
Zoom Webinar View Options

Adjust view options

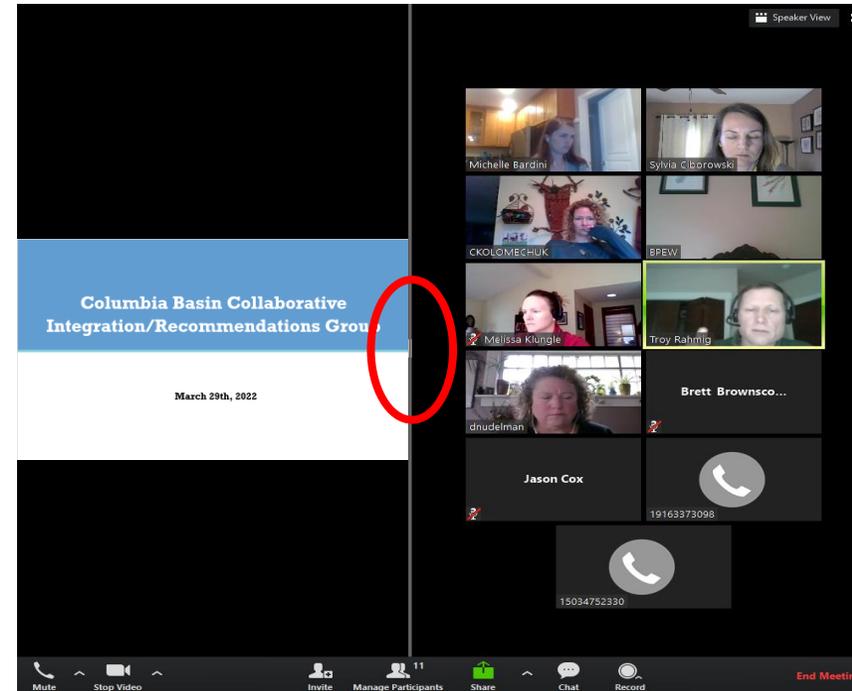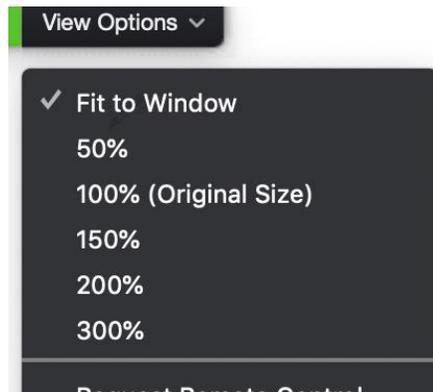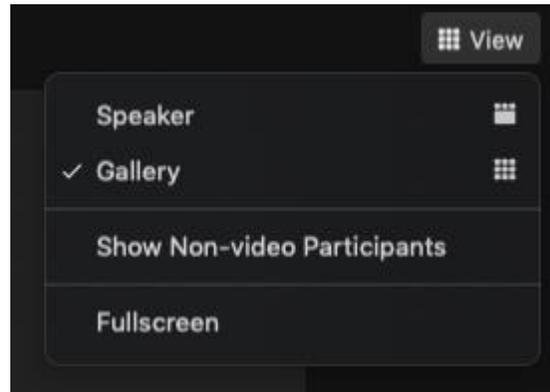*For technical support, please contact Angela Hessenius*

Welcome, Agenda Review, and Updates

Meeting Guidelines

- Honor the agenda

- Listen to understand and ask questions to clarify

- Balance speaking time

- Don't pile on

- Be present

Agenda Review

Time(PT)	Topic
9:00am – 9:10am	**Welcome, Agenda Review, and Updates**
9:10 – 9:20am	**Work Plan Review**
9:20 – 9:45am	**Recap of Predation Discussion Resources and Gaps**
9:45 – 10:15am	**Defining Success at the Programmatic Level**
10:15 – 10:50am	**Replicating Success** •Are there existing efforts by regional and local groups that need more funding? •Are there programs that are "shovel-ready"?
10:50 – 11:00am	**Confirm Next Steps, Upcoming Meeting Topics, and Summary**

Work Plan Review

Recommended Action Form

1. Work Group developing the action:
2. Summary of action:
    a. Is this part of an existing program or new program?
3. Benefit: (link to matrices)
    a. What benefit will the action provide?
    b. What data support this?
4. Entities that would implement that action:
5. Timing:
    a. How long will it take to implement that action?
    b. How long until fish populations benefit from action?

6. Stock(s) benefited by the action and magnitude of benefit for each stock(s)
7. Estimated cost:
8. Uncertainties related to the action:
9. Regulatory processes or policies associated with the action:
10. Potential challenges:
11. Adaptive management (describe how this will be incorporated into to action):

Predation Work Plan

Meeting	Goals
Kick off	Introduction to CBC Predation Work Group • Come to shared understanding of the assignment from the I/RG and information available from the CBPTF • Identify existing forums, gaps, and funding needs and sources • Start developing work plan Assess gaps in existing forums, science, and funding
Meeting 2:	Finalize work plan • Review summary of existing programs and effectiveness • Define what "success" looks like • Correlate programs, challenges and solutions with specific predators • Assess predator specific challenges and opportunities, including those exacerbated by habitat
Meeting 3:	Develop short term recommendations • Develop research/data requests • Identify budget needs and requests
Meeting 4:	Develop long term recommendations • Include research/data questions and requests • Build consensus around recommendations to go to the Science Integration Work Group and the I/RG

Predation Table Biological Criteria for Priority Actions

		Impact Level			
Stock Status		Low	Medium	High	Very High
	Low	LC SpCH LC Tule FCH LC Coho LC WSthd Will SpCH MC Sock UC Sum CH	UC SpCH UC Sock SN SpCH SN Sock	Will WSthd	UC Sum Sthd
	Medium	LC Sum Sthd LC Chum	MC SpCH	MC Sum Sthd SN Sum Sthd	
	High	SWW WSthd MC Coho			
	Very High	LC Bright FCH MC FCH UC FCH SN FCH			

Impact Level
Low: less than 20%
Medium: 20-30%
High: 31-50%
Very High: Greater than 50%

Stock Status (based on CBP medium goal)
Low: less than 25%
Medium: 25-50%
High: 51-75%
Very High: greater than 75%

Prioritization Status
Red: Priority 1
Orange: Priority 2
Yellow: Priority 3
Blue: Priority 4
Green: Priority 5

NA: UC Coho, LC Late BFCH

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Sources of Predation

AVIAN

MARINE MAMMAL

PISCINE

CBP Focus Species

CASPIAN TERNS, DOUBLE-CRESTED CORMORANTS, CA AND RING-BILLED GULLS

CALIFORNIA SEA LIONS, STELLER SEA LIONS, SEALS, *ORCAS**

NORTHERN PIKEMINNOW, WALLEYE, SMALLMOUTH BASS

Recap of Predation Discussion

Defining and Replicating Success at the Programmatic Level

Defining Success

- How do you define what "success" looks like to achieve salmon/steelhead recovery goals in relation to predation?

- What are the programs that are and have been successful? Why?

Replicating Success

- Are there programs that are "shovel-ready" that would build upon success?

- What are successful efforts by regional and local groups that need more funding?

Next Steps

- KW: Build excel spreadsheet of programs – creating an inventory of existing programs that are successful
- All: Review table inventory of existing programs
- All: Refining definition of success

Photo credit: ODFW

Upcoming Meeting Topics

- Successful programs for predator type
- Challenges in funding
- Assessment of new techniques in predation management
- How solutions can be long term vs. "whack-a-mole" approaches to management
- Regional coordination of actions between agencies and entities

Photo credit: ODFW

Thank you!