

# Cultural and Educational Releases

## UCUT Tribes, 2017-2021



# Cultural and Educational Releases

A parallel path to the Phased approach

Beginning to address short-term tribal goals for:

- Ceremonies
- Education and outreach
- Harvest in areas deprived of salmon for 60-110 years
- Ecological restoration
- Data to inform the Phased approach
- Proof of concept

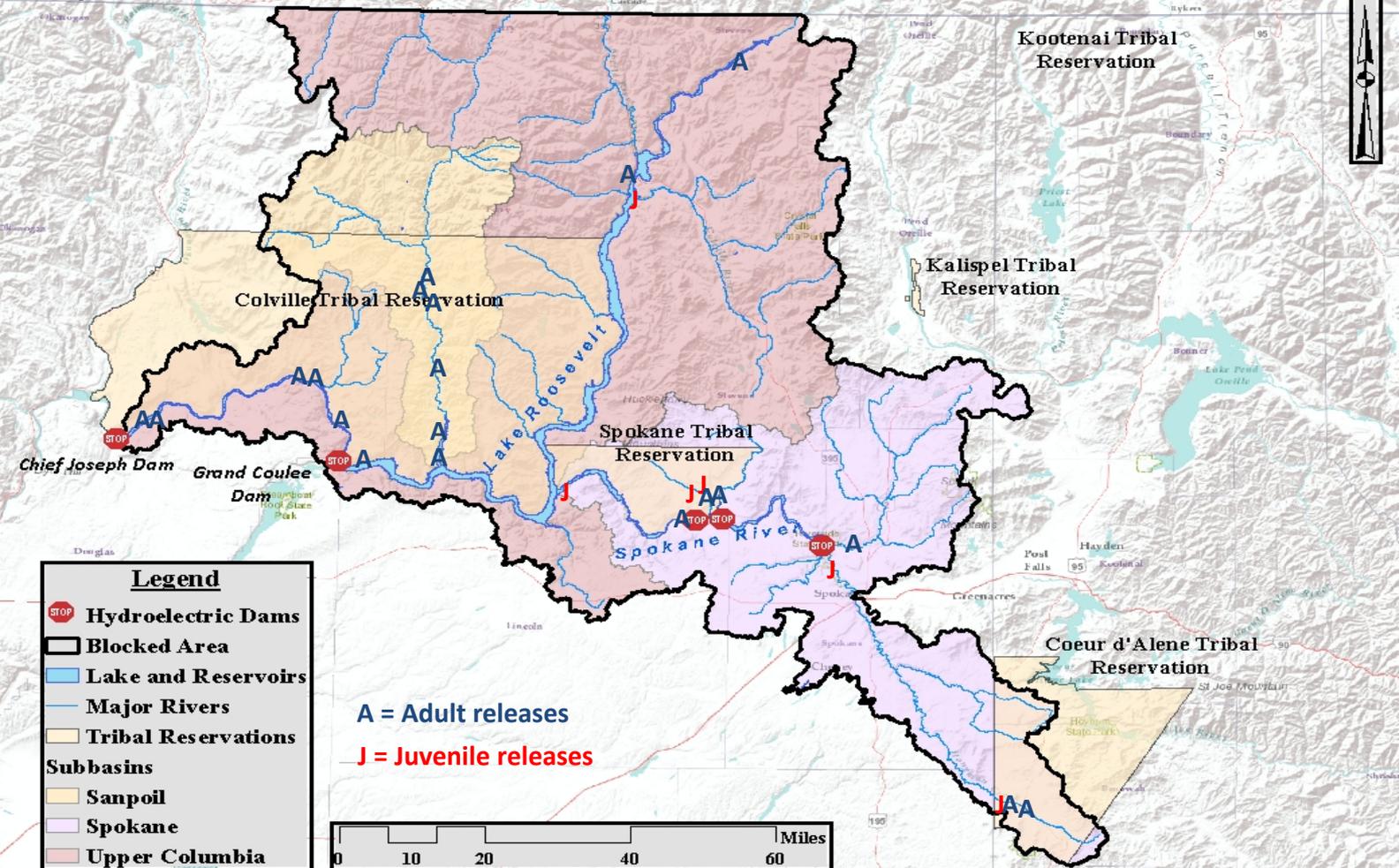
# Cultural and Educational Releases

## UCUT Tribes, 2017-2021



- 1,058 adult Chinook
- 11,501 juvenile Chinook

# U.S. / Canada International Border



## Legend

-  Hydroelectric Dams
-  Blocked Area
-  Lake and Reservoirs
-  Major Rivers
-  Tribal Reservations
- Subbasins**
-  Sanpoil
-  Spokane
-  Upper Columbia

**A = Adult releases**

**J = Juvenile releases**



# Salmon in the classroom



# Juvenile outmigration evaluation

- PIT tag detections downstream of Chief Joseph Dam



## Trap and haul adult salmon for ceremonial releases



Tshimikam Ck

## Kettle Falls



## Hangman Ck



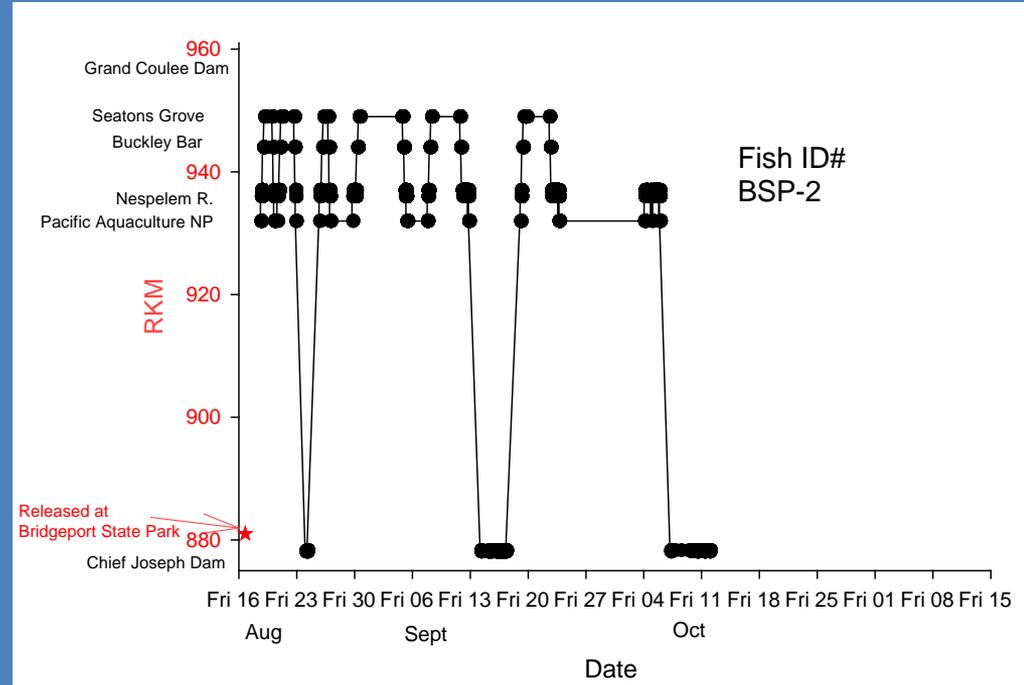
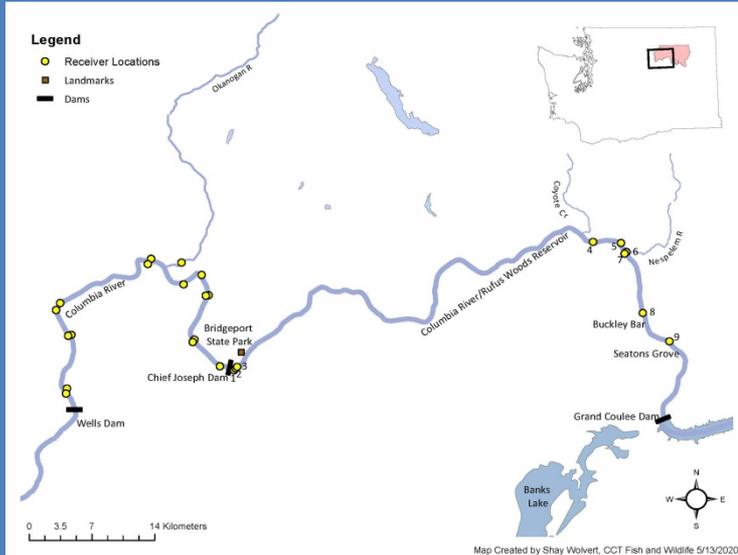
## Keller



# Ceremonial Harvest on the Spokane and Coeur d' Alene Reservations



# Adult Behavior (acoustic and PIT studies)



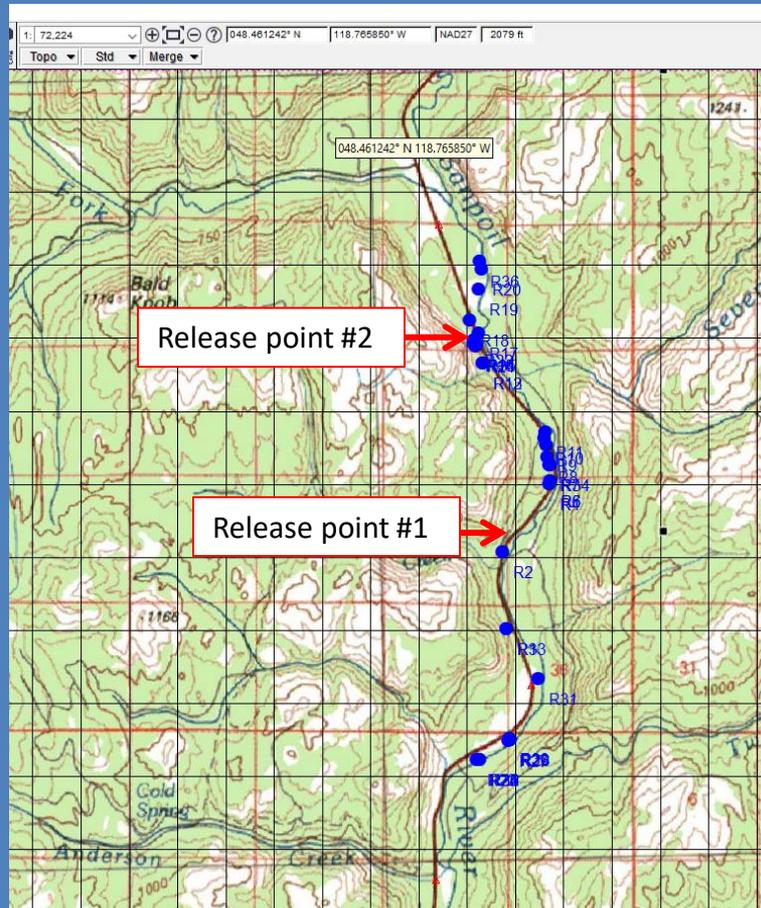
# Ecosystem Restoration

(spawning, nutrients)

- Tshimikain Ck.
- Sanpoil R.
- Little Spokane R.
- Rufus Woods Reservoir
- Transboundary reach



# Documented Spawning: Sanpoil R., Tshimikain Ck., Little Spokane R. and Rufus Woods 2019-2021



# Documented production of wild juveniles



# Salmon Reintroduction to the UCR Blocked Area

- Phase 1- Completed and encouraging
- Phase 2- An implementation plan has been developed
- Cultural Releases- they are working and providing benefits

- Salmon have been disconnected from their ancestral habitat for too long
- The pieces are in place to move forward with a historic endeavor
- Benefits will be extensive, costs are low compared to other Col. River programs, revenue generation and expenditures

Questions?