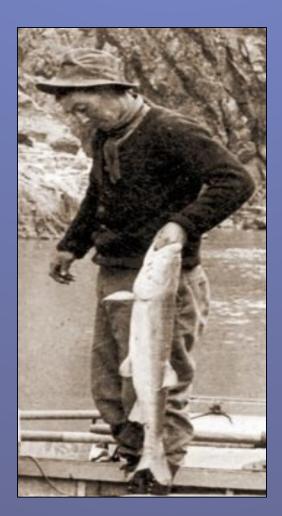
#### Conservation/Recovery of Colorado Pikeminnow in Grand Canyon Biological Feasibility

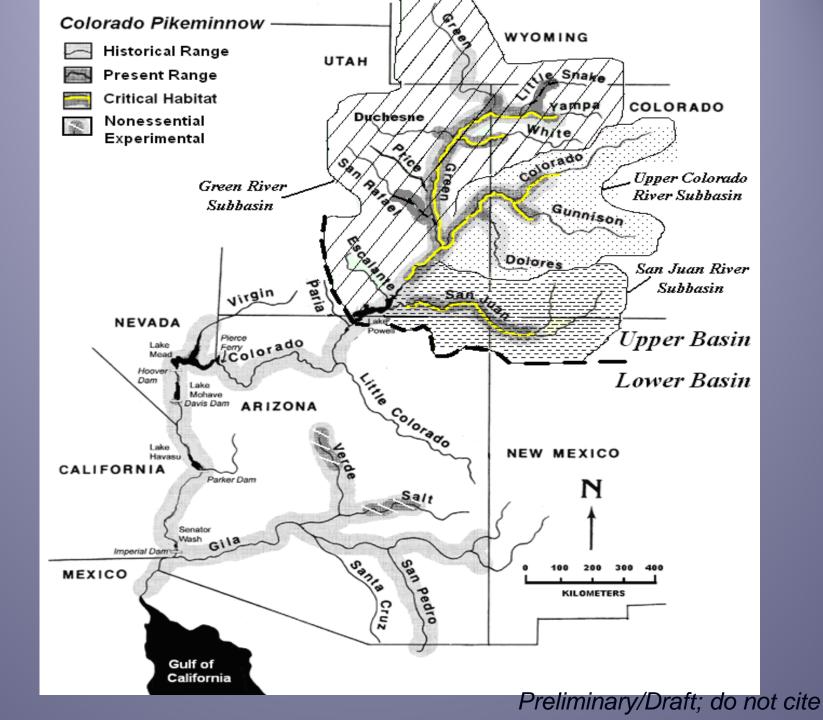




MARCH 14, 2019

# A little background What, How & Why? Stakeholder Involvement









#### **Background:**

"... These salmon were old friends of ours, being found from one end to the other of the Colorado, and on all its tributaries. They sometimes weigh twenty-five or thirty pounds, and are common at twenty pounds; being stockily built fish, with large, flat heads. They are not gamey, but afford a lot of meat with a very satisfying flavour."

Ellsworth L. Kolb 1915. Through the Grand Canyon...

#### What & How?

## Phased Conceptual Approach:

Phase 1 Pikeminnow Viability/Feasibility Assessment

Phase 2 - If Viable/Feasible (based on phase 1) Experimentation to Assess Feasibility.

Phase 3 - If Viable/Feasible (based on phase 2 experimentation) Plan Development and Implement Recovery Actions (translocation(s) & monitoring etc.).

#### What & How? Phase 1

Pikeminnow Viability/Feasibility Assessment

- Paper exercise thru agreement with USGS
- USGS science provider
- Steering Committee to guide process reps with management authorities in GC: AZGFD, NG&F, HG&F, NDOW, NPS, FWS, USBR

Expert elicitation (w/field visit)

Report (targeted winter 2019/2020)

Stakeholder review

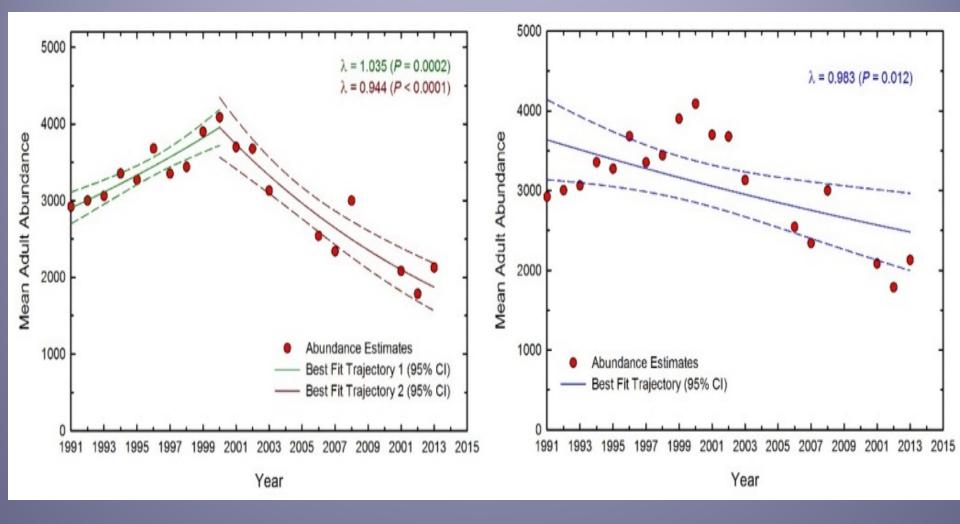
USGS OFR

#### WHY?

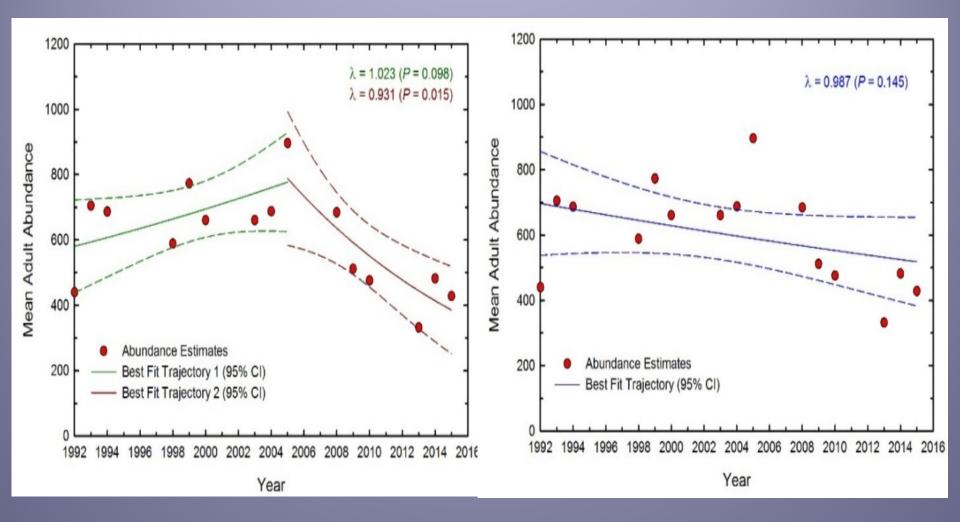
#### Additional Conservation and Recovery Options May be Needed.



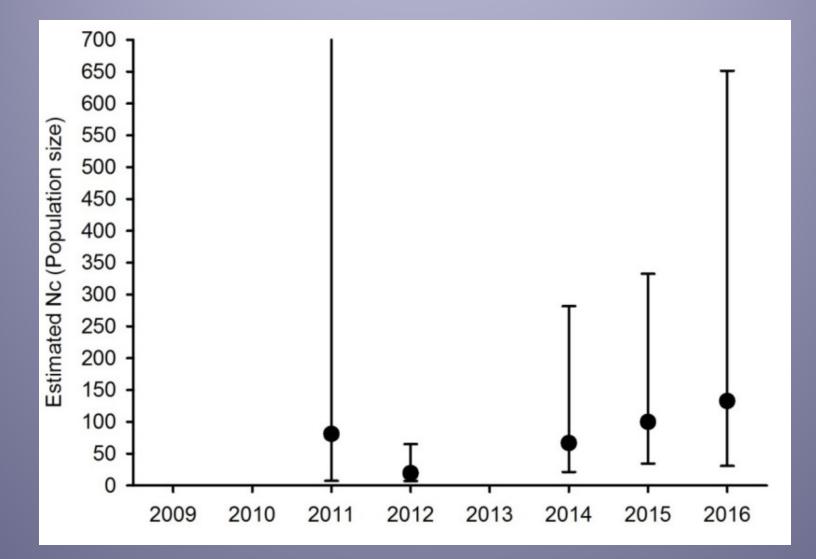
## Status - Green River Subbasin



## Status – Col. River Subbasin



## Status – San Juan Subbasin



#### **Commitment:**

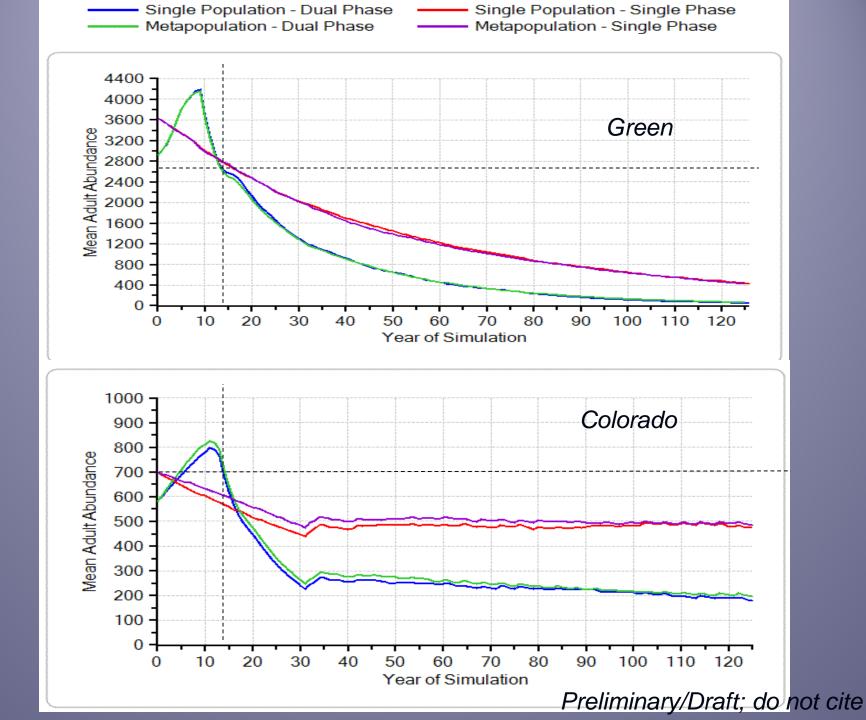
IF future actions (e.g. Phase 2 or 3) are proposed – at the table with stakeholders to work together openly and responsibly.



## **Thank You**

### Background

Recovery Criteria: Self-Sustaining – Green River Subbasin > 2,600 adults Colorado Subbasin >1,000 OR Col. SB > 700 AND >800 in San Juan



Future Trends Status Quo