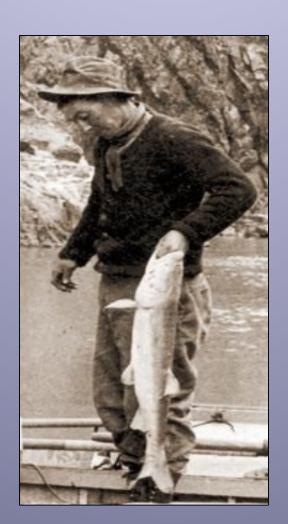
# Conservation/Recovery of Colorado Pikeminnow in Grand Canyon Biological Feasibility

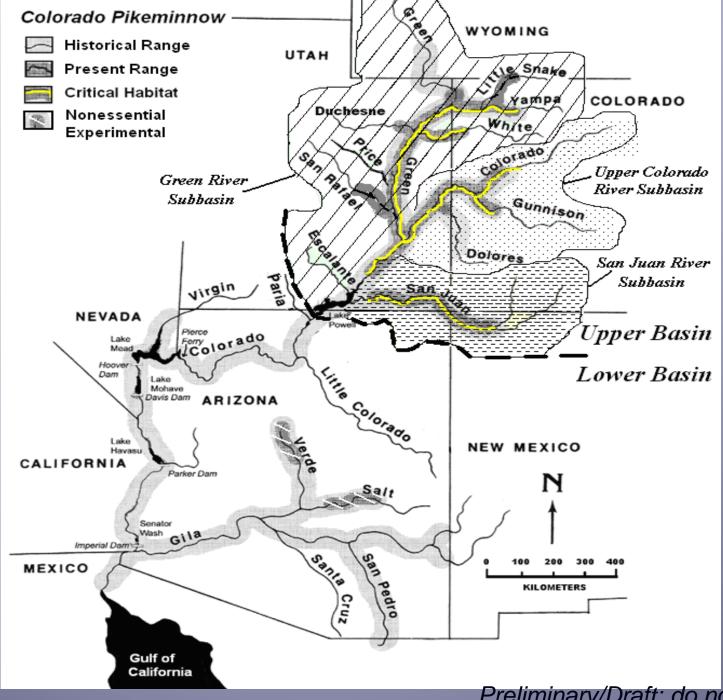




MARCH 14, 2019

- A little background
- What, How & Why?
- StakeholderInvolvement





Preliminary/Draft; do not cite





## **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.).

Preliminary/Draft; do not cite

#### What & How? Phase 1

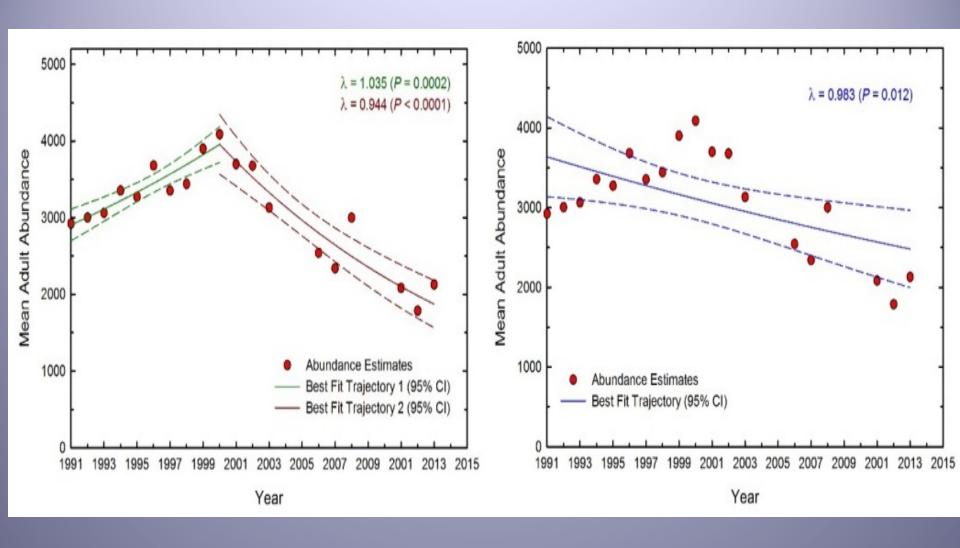
- Pikeminnow Viability/Feasibility Assessment
  - Paper exercise thru agreement with USGS
  - ■USGS science provider
  - Steering Committee to guide process reps with management authorities in GC: AZGFD, NG&F, HG&F, NDOW, NPS, FWS, USBR
  - Expert elicitation (w/field visit)
  - Report (targeted winter 2019/2020)
    - Stakeholder review
    - **USGS OFR**

## - WHY?

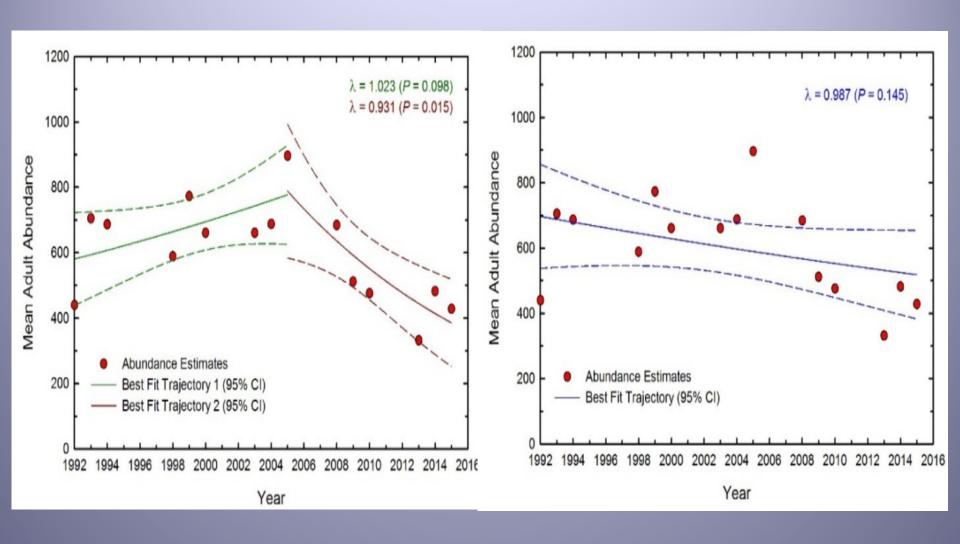
Additional Conservation and Recovery Options May be Needed.



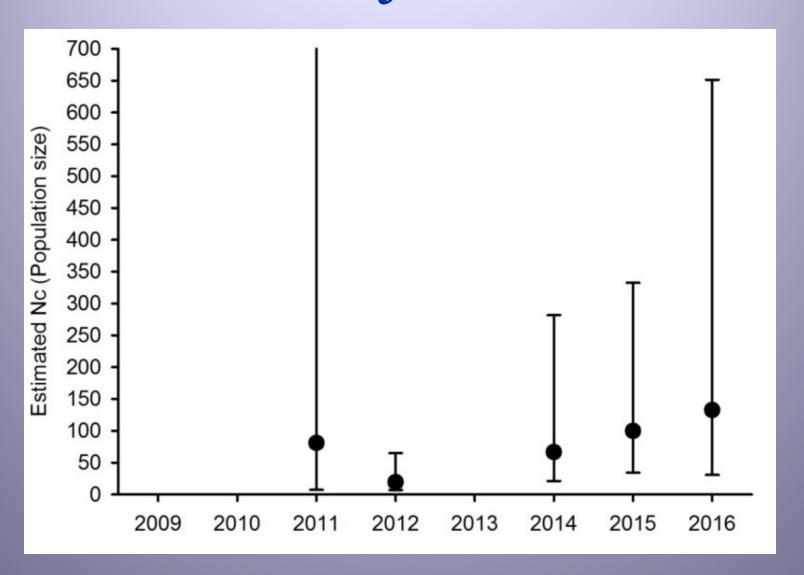
# Status - Green River Subbasin



# 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.





# **Background**

# Recovery Criteria:

Self-Sustaining –

Green River Subbasin > 2,600 adults

Colorado Subbasin >1,000

OR

Col. SB > 700 AND >800 in San Juan

