

Recovery of Humpback Chub



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Technical Work Group Meeting
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Humpback Chub Recovery Team

Team and Agency Leads:

- Richard Valdez, Ph.D., Team Leader (SWCA)
- Thomas Czapla, Ph.D., USFWS Agency Lead (Upper Colorado River Recovery Program)

Science Advisory Subgroup:

- Melissa Trammell (U.S. National Park Service)
- Katherine Creighton (Utah Division of Wildlife Resources)
- Shane Capron (Western Area Power Administration)
- Kirk Young/Randy Van Haverbeke (U.S. Fish and Wildlife Service, Region 2)
- Scott Vanderkooi (USGS, Grand Canyon Monitoring and Research Center)
- Bill Stewart (Arizona Game and Fish Department)

U.S. Fish and Wildlife Service Advisors:

- Seth Willey (Region 6)
- Sarah Rinkevich (Region 2)

Implementation Subgroup:

- Tom Pitts (Water Consult)
- Henry Maddux (Utah Department of Natural Resources)
- Leslie James (Colorado River Energy Distributors Association)
- Lynn Jeka (Western Area Power Administration)
- Brent Uilenberg (U.S. Bureau of Reclamation)
- Ted Kowalski (Colorado Water Conservation Board)
- Robert Wigington (The Nature Conservancy)
- Don Ostler (Upper Colorado River Commission)
- Julie Carter (Arizona Game and Fish Department)
- Phillip Vicenti (Councilman, Pueblo of Zuni)
- Kim Yazzie (Navajo Nation Department of Fish and Wildlife)

Writing Team:

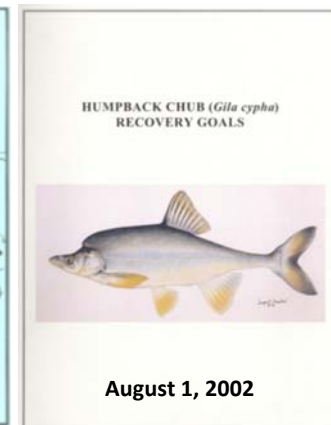
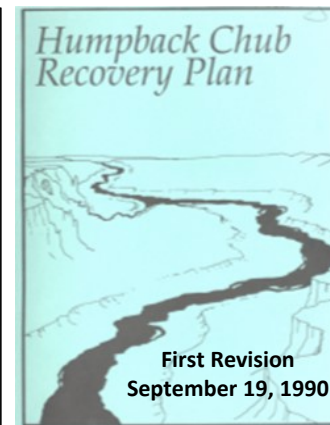
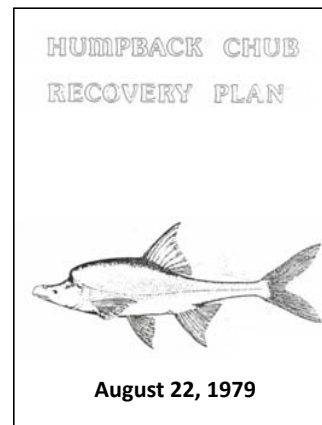
- Tom Chart (Upper Colorado River Recovery Program)
- Robert Muth, Ph.D. (U.S. Fish and Wildlife Service)
- Kevin McAbee (Upper Colorado River Recovery Program)

➤ *Appointed by USFWS Region 6 Director, Noreen Walsh, November 2015*

Humpback Chub Recovery Plans



- First Recovery Plan approved August 22, 1979 (USFWS 1979).
- First revision September 19, 1990 (USFWS 1990).
- Recovery goals approved August 1, 2002 (USFWS 2002a), but withdrawn and declared of no force and effect by court order on January 18, 2006 (*Grand Canyon Trust et al., vs. Gale Norton et al., U.S. District Court for the District of Arizona, Order No. 04-CV-636-PHX-FJM*).
- Second revision underway.

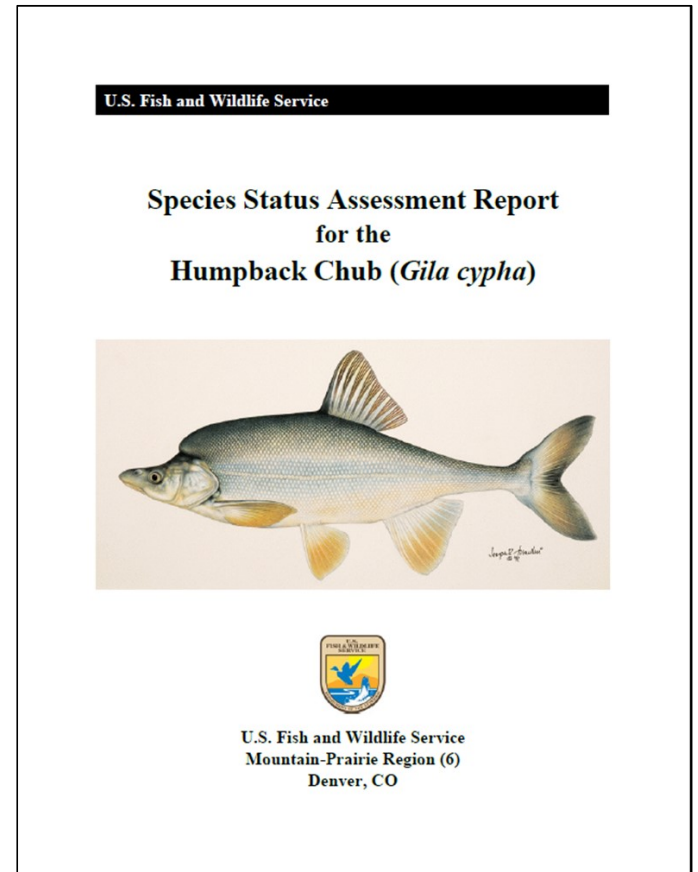


Recovery Planning Documents

1. Species Status Assessment
2. Recovery Plan
3. Implementation Plan

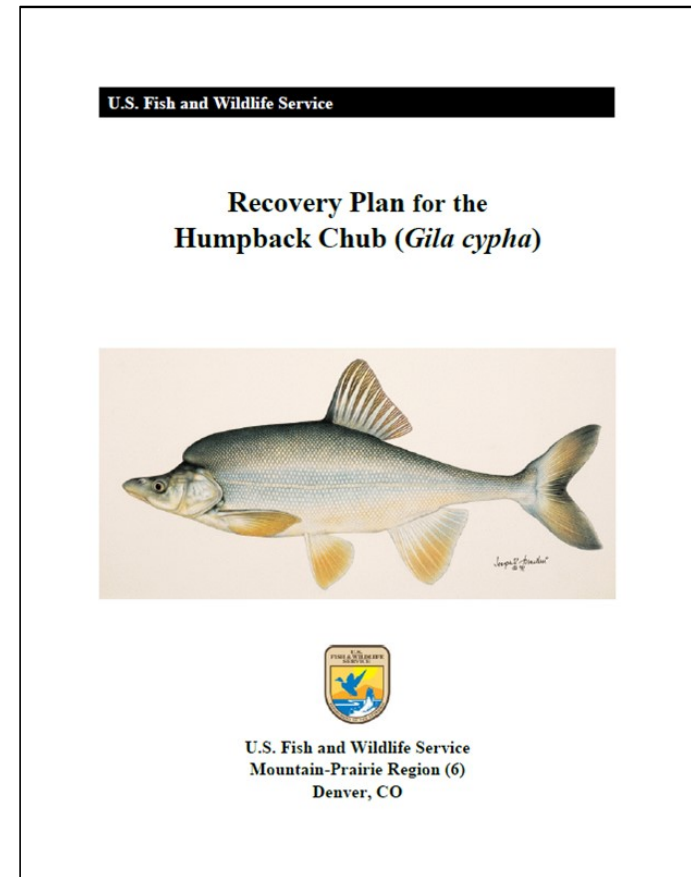
Species Status Assessment

1. **Introduction**
2. **Species Needs**
 - a. Species Needs by Life Stage
 - b. Population Attributes
3. **Species Current Condition**
 - a. Controlling Factors by Life Stage
 - b. Causal Relationships (individual, population, species)
4. **Future Condition and Species Viability**
 - a. Probable Future Environmental Condition
 - b. Species Viability (Resiliency, Redundancy, Representation)



Recovery Plan

1. Title Page
2. Disclaimer
3. Acknowledgements
4. Executive Summary
5. Background
6. Recovery Strategy
 - a. Recovery Units
 - b. Goals and Objectives
 - c. Actions and Criteria
7. Literature Cited
8. Appendices



Implementation Plan

1. Action Number: step-down outline
2. Action Priority: most important/necessary
3. Action Description: step-down narrative
4. Action Duration: total duration of action
5. “Responsible Parties”
6. Time and Costs: total and annual



Process for Change in Species Listing Status

Step 1: Complete a Species Status Assessment

- Species Needs
- Species Current Condition
- Species Future Condition and Viability
- ***Not a decision making document—provides USFWS with technical information for a 5-yr Review***
- ***Timeframe: 5-6 months***



Step 2: USFWS conducts a 5-yr Status Review

- Species Biology
- Habitat Conditions
- Conservation Measures
- Threat Status And Trends
- Other New Information, Data, Or Corrections
- ***This is a decision document—USFWS determines if a change in listing status is warranted***
- ***Timeframe: 2 months from completion of the SSA***



Step 3a: Status Change is Warranted

- Proceed to Rulemaking / Develop a Downlisting Package
- Timeframe: 12 – 18 months

Step 3b: Status Change is not Warranted

- Revise SSA when new information is available

