

**NMFS PROPOSED OUTLINE FORMAT  
FOR THE  
BUREAU OF RECLAMATION'S BIOLOGICAL ASSESSMENT  
Draft for discussion purposes only  
10/31/2018**

List of Acronyms

List of Tables

List of Figures

- 1. INTRODUCTION**
  - 1.1 Background
  - 1.2 Coordinated Operations Agreement
    - 1.2.1 Key Consultation Considerations
  - 1.3 Consultation History
  - 1.4 Proposed Federal Action
  - 1.5 Interrelated and Interdependent Actions
  - 1.6 Action Area (See NMFS 2009 BiOp)
- 2. ENDANGERED SPECIES ACT**
  - 2.1 Not Likely to Adversely Affect Determinations
    - *Provide description and analysis for each species/critical habitat where the potential effects are determined to be NLAA. These species/critical habitats do not need to be discussed or analyzed further in the biological assessment.*
  - 2.2 Analytical Approach
    - 2.2.1 Introduction
    - 2.2.2 Legal and Policy Framework
    - 2.2.3 General Overview of the Approach and Models Used
    - 2.2.4 Evidence Available for the Analysis
    - 2.2.5 Deconstructing the Action
    - 2.2.6 Integrating the Effects
    - 2.2.7 Presentation of the Analysis in this Biological Assessment
  - 2.3 Rangewide Status of the Species and Critical Habitat
    - 2.3.1 Species and Critical Habitat Likely to be Adversely Affected by the Proposed Action
      - 2.3.1.1 Chinook Salmon
        - 2.3.1.1.1 Winter-run Chinook salmon
        - 2.3.1.1.2 Spring-run Chinook salmon
      - 2.3.1.2 CCV Steelhead
      - 2.3.1.3 sDPS Green Sturgeon
      - 2.3.1.4 Southern Resident Killer Whales
  - 2.4 Environmental Baseline
    - 2.4.1 Species and Critical Habitat Likely to be Adversely Affected by the Proposed Action
      - 2.4.1.1 Chinook Salmon
        - 2.4.1.1.1 Winter-run Chinook salmon
        - 2.4.1.1.2 Spring-run Chinook salmon
      - 2.4.1.2 CCV Steelhead
      - 2.4.1.3 sDPS Green Sturgeon
      - 2.4.1.4 Southern Resident Killer Whales
  - 2.5 Effects of the Action

2.5.1	Deconstructed Action
2.5.2	Trinity River Division
2.5.2.1	Deconstruction of the Trinity River Division Action
2.4.2.1.1	Assessment of Species Exposure to the Action
2.4.2.1.2	Assessment of the Species Response to the Action
2.5.3	Shasta Division
2.5.3.1	Deconstruction of the Shasta Division Action Component
2.4.2.1.1	Assessment of Species Exposure to the Action
2.4.2.1.2	Assessment of the Species Response to the Action
2.5.4	American River Division
2.5.4.1	Deconstruction of the American River Division Action Component
2.4.2.1.1	Assessment of Species Exposure to the Action
2.4.2.1.2	Assessment of the Species Response to the Action
2.5.5	Delta Division
2.5.5.1	Deconstruction of the Delta Division Action Component
2.4.2.1.1	Assessment of Species Exposure to the Action
2.4.2.1.2	Assessment of the Species Response to the Action
2.5.6	East Side River Division
2.5.6.1	Deconstruction of the East Side Division Action Component
2.4.2.1.1	Assessment of Species Exposure to the Action
2.4.2.1.2	Assessment of the Species Response to the Action
2.5.7	Fish Passage Program
2.5.7.1	Deconstruction of the Fish Passage Program Component
2.4.2.1.1	Assessment of Species Exposure to the Action
2.4.2.1.2	Assessment of the Species Response to the Action
2.5	Interrelated and Interdependent Effects
2.6	Cumulative Effects
2.7	Integration and Synthesis
2.7.1	Summary of the Status of the Species and Critical Habitat
2.7.2	Summary of the Effect of the Environmental Baseline
2.7.3	Summary of the Interrelated and Interdependent Effects
2.7.4	Summary of the Cumulative Effects
2.7.5	Summary of the Additive Effects of the Effects of the Environmental Baseline + Effects of the Action + Interrelated and Interdependent Effects + Cumulative Effects)
2.8	Action Agency Determination of Effects
<b>3.</b>	<b>MAGNUSON-STEVENS FISHERY CONSERVATION AND MANAGEMENT ACT ESSENTIAL FISH HABITAT RESPONSE</b>
3.1	Essential Fish Habitat Affected by the Proposed Action
3.2	Adverse Effects of the Proposed Action on Essential Fish Habitat
<b>4.</b>	<b>LITERATURE CITED</b>
<b>5.</b>	<b>APPENDICES</b>