

SCOPING REPORT -  
SACRAMENTO RIVER FALL CHINOOK AND  
KLAMATH RIVER FALL CHINOOK  
CONSERVATION OBJECTIVES



Prepared by staff from Pacific Fishery Management Council, National Marine Fisheries Service, and California Department of Fish and Wildlife

# COUNCIL TASKS



KRFC – agree on process identify management measures, especially for the near-term



SRFC- agree on process to coordinate review of management measures, and future steps



Identify a timeframe for each topic given workload, staffing, etc.



Path forward may be different for each topic

# HIGHLIGHTS

An evaluation of the management measures for SRFC and KRFC has been on the Council radar of a while

KRFC remain categorized as overfished, returns are low and dam removal is imminent

SRFC are categorized as rebuilt, but poor returns may result in a downgrade to stock status

Both stocks important to SOF fisheries. Tools to manage these stocks could likely be improved

# KLAMATH RIVER FALL CHINOOK

1.1 Overview

1.2 Coordinating entities,

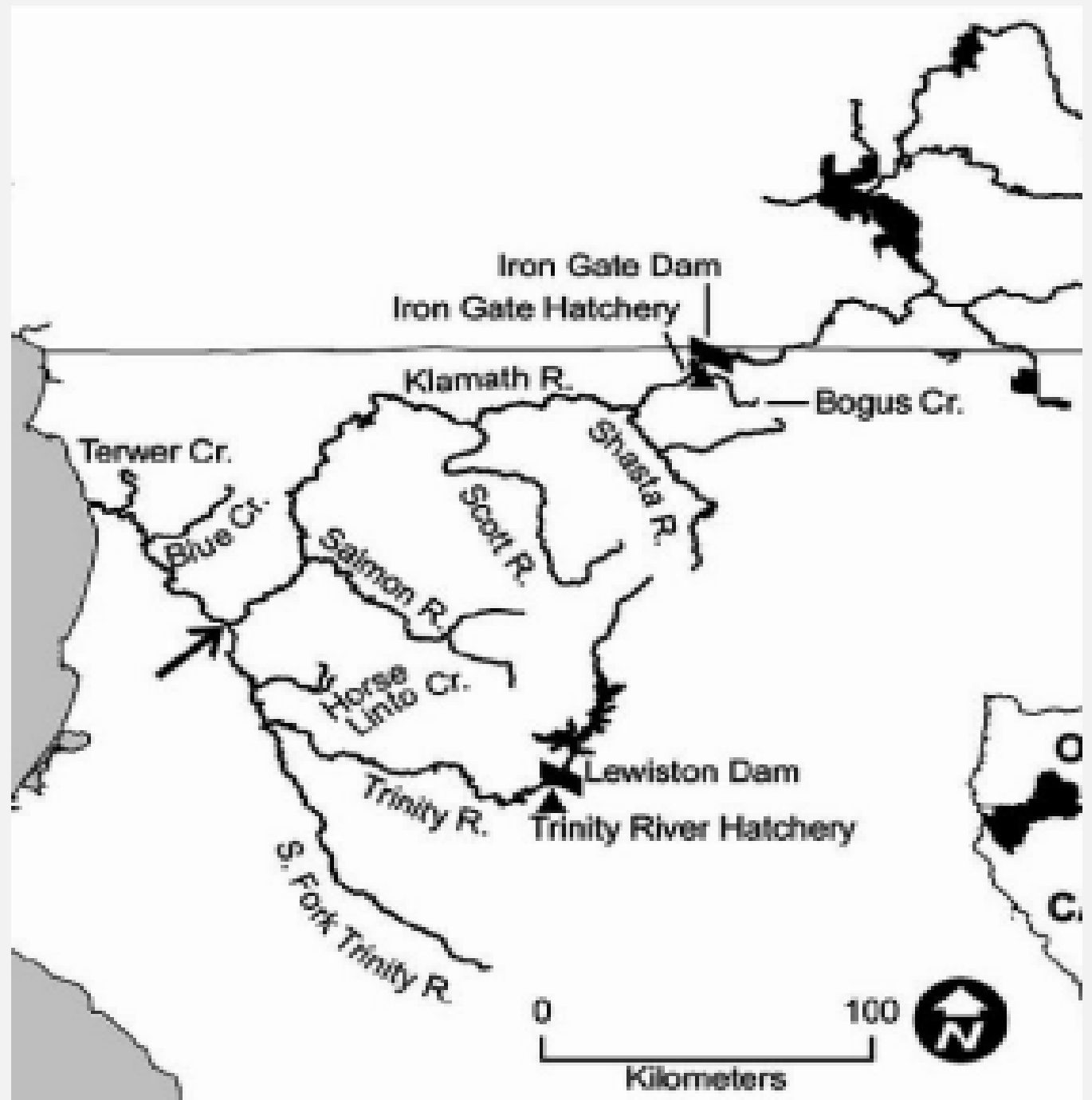
1.3 Types of collaboration

1.4 Summary

1.5 Potential pathways forward

# KLAMATH RIVER BASIN MAP

- About half the watershed lies in the upper basin upstream of Iron Gate Dam (IGD)
- Major tributaries in the lower basin include Trinity, Salmon, Scott, and Shasta which support naturally spawning populations of KRFC



KRFC  
I.I OVERVIEW

Stock classified as overfished since 2018

Evaluation of conservation objectives on radar for some time

Klamath Dam removal imminent, lots of uncertainty

Need flexibility in management tools & analytical tools updated

**KRFC**

**1.2 COORDINATING  
ENTITIES**

**PARTNERSHIPS BOTH  
INSIDE AND OUTSIDE OF  
THE COUNCIL WILL BE  
ESSENTIAL**

**Tribal – Hoopa Valley and Yurok tribes**

**Federal – NMFS, USFW**

**State – ODFW, CDFW**

**Support from PFMC & KRTT**

KRFC

## 1.3 TYPES OF COLLABORATION

WORKING TOGETHER TO  
ACHIEVE A COMMON GOAL

Ad-hoc Committee

Joint Task Force

MOUs Memoranda of Understanding

Information sharing



# KRFC

## I.4 SUMMARY

DAM REMOVAL IMMINENT,  
EVALUATE TOOLS & ADJUST AS  
NEEDED,

EXPERTISE TO GUIDE THE  
WORK, FILL THE GAPS

PROVIDE CLEAR PROCESS FOR  
MANAGEMENT AND DECISION  
MAKING

Uncertainty requires flexibility

Flexibility requires coordination

Coordination requires process

Process requires planning

# KRFC

## I.5 PATHWAY FORWARD

FMP DOES PROVIDE FLEXIBILITY AS LONG AS MORE CONSERVATIVE THAN PRESCRIBED

WORKGROUP COULD OUTLINE STEPS AND EXPERTISE NEEDED TO IDENTIFY INTERIM FRAMEWORK AND ADJUST TECHNICAL TOOLS FOR LONG TERM USE

Status quo – implement FMP as prescribed

Form an ad-hoc workgroup to work on near- and long-term aspects

Does not have to be one or the other

# SACRAMENTO RIVER FALL CHINOOK

1.1 Overview

1.2 Coordinating entities

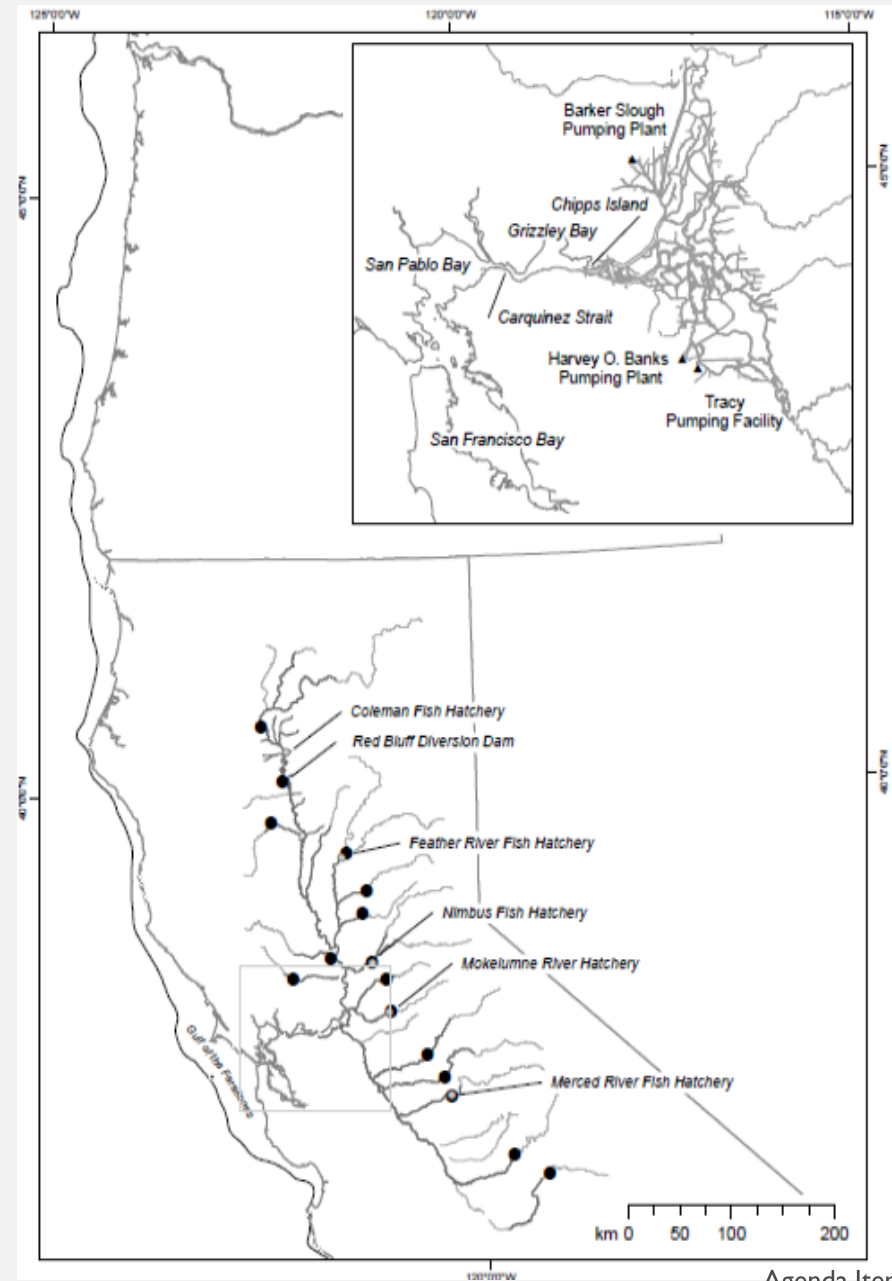
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# SACRAMENTO RIVER BASIN, DELTA, AND COASTAL OCEAN

- Black dots indicate dams, most of which are impassable.
- Coleman, Feather River, and Nimbus fish hatcheries produce SRFC.
- Figure reproduced from Lindley et al. (2009)



# SRFC

## 2.1 OVERVIEW

IMPORTANT STOCK FOR SOF  
OCEAN FISHERIES,

LOW RETURNS MAY CAUSE  
STATUS DOWNGRADE,

COMPONENTS OF  
MANAGEMENT FRAMEWORK  
INTERRELATED

SRFC overfished in 2018, rebuilt in 2021

Evaluation of conservation objective on Council radar for some time

Management tool improvements – harvest and forecast models, methods

Some work done, more work to do

# SRFC

## 2.2 COORDINATING ENTITIES

PARTNERSHIPS BOTH INSIDE AND OUTSIDE OF THE COUNCIL WILL BE ESSENTIAL

Federal – NMFS, USFW

State – ODFW, CDFW

Support from PFMC

SRFC

## 2.3 TYPES OF COLLABORATION

WORKING TOGETHER TO  
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# SRFC

## 2.4 SUMMARY

ABUNDANCE NOT INCREASING,  
KEY STOCK IN SOF FISHERIES,  
STEPS TAKEN TO ASSESS TOOLS,  
MANAGEMENT TOOLS LINKED,  
REQUIRE SHORT AND LONG-  
TERM COMMITMENT FROM  
AGENCIES

Abundance is low

Management measures need review

Holistic, stepwise approach

Commitment and coordination



# SRFC

## 2.5 PATH FORWARD

COUNCIL WANTS TO  
CONTINUE THE WORK

A REPORT THAT OUTLINES  
TASKS AND DATA STATUS  
SHOULD HELP WITH  
PLANNING AND EFFORT FOCUS

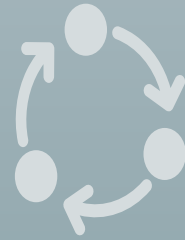
WILL LIKELY NEED A WG AT  
SOME POINT TO ADDRESS  
DIFFERENT ASPECTS OF  
MANAGEMENT MEASURES -  
CO, HCR, MODELS, METHODS,  
ETC.

Plan a workshop to outline tasks, data gaps, and timeline

Form an ad-hoc workgroup

Does not have to be one or the other

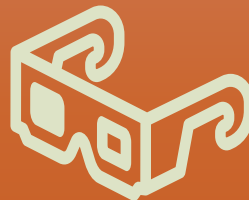
# COUNCIL TASKS



KRFC – agree on process identify appropriate management measures, especially immediately following dam removal



SRFC- agree on process to coordinate review of management measures



Identify an appropriate timeframe for each task, given workload, staffing, budget, etc.