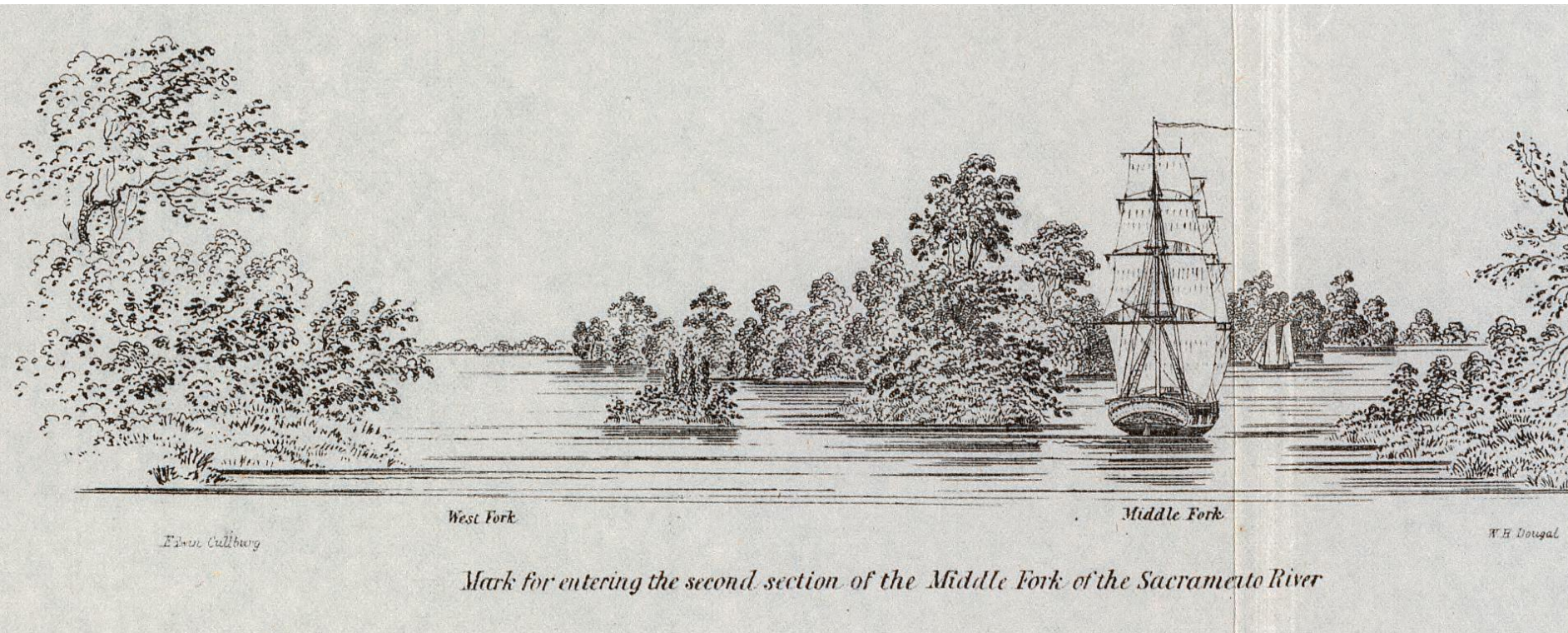


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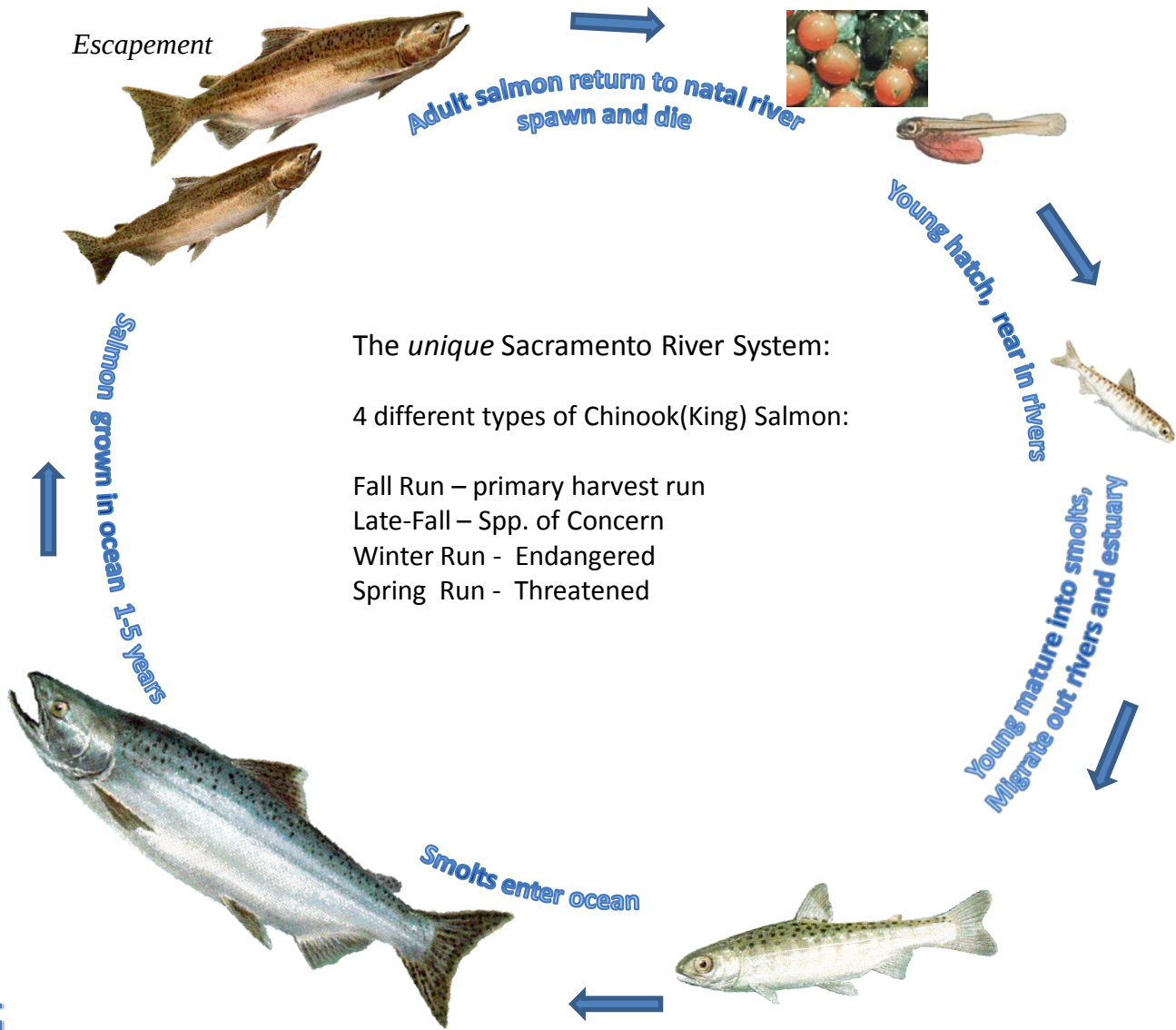
1852 lower Sacramento navigation chart from David Rumsey historical map collection

Handouts Prepared for
Water Education Foundation
2014 Northern California Tour Oct 22-24



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The *unique* Sacramento River System:

4 different types of Chinook(King) Salmon:

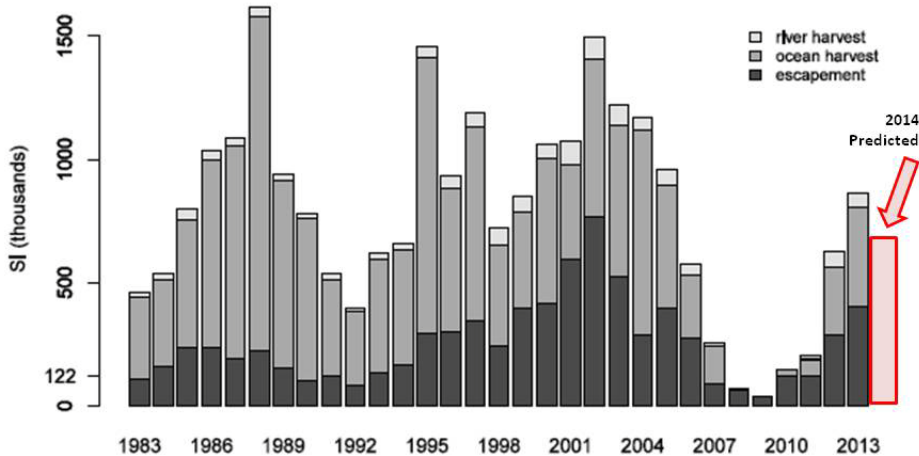
Fall Run – primary harvest run

Late-Fall – Spp. of Concern

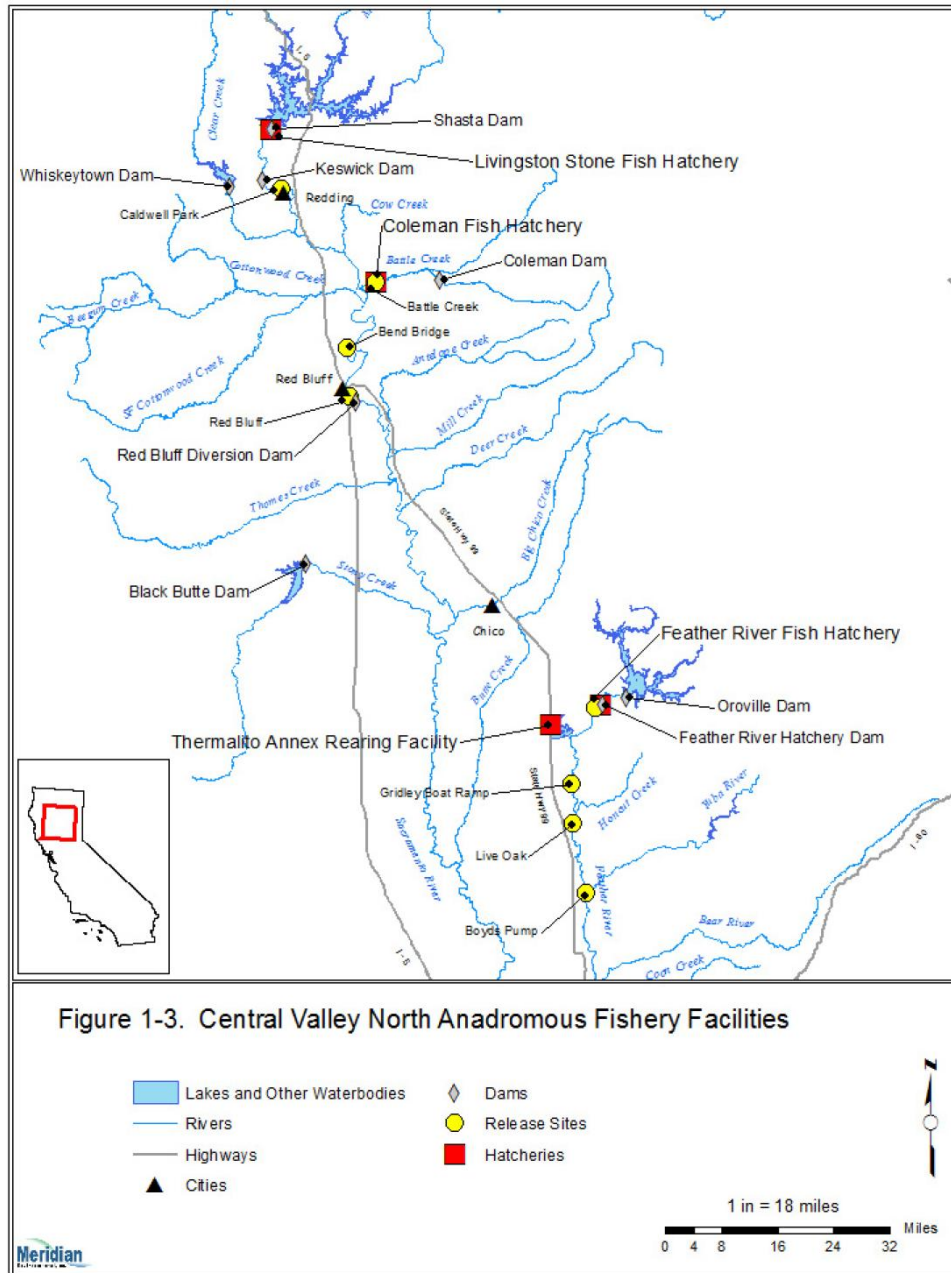
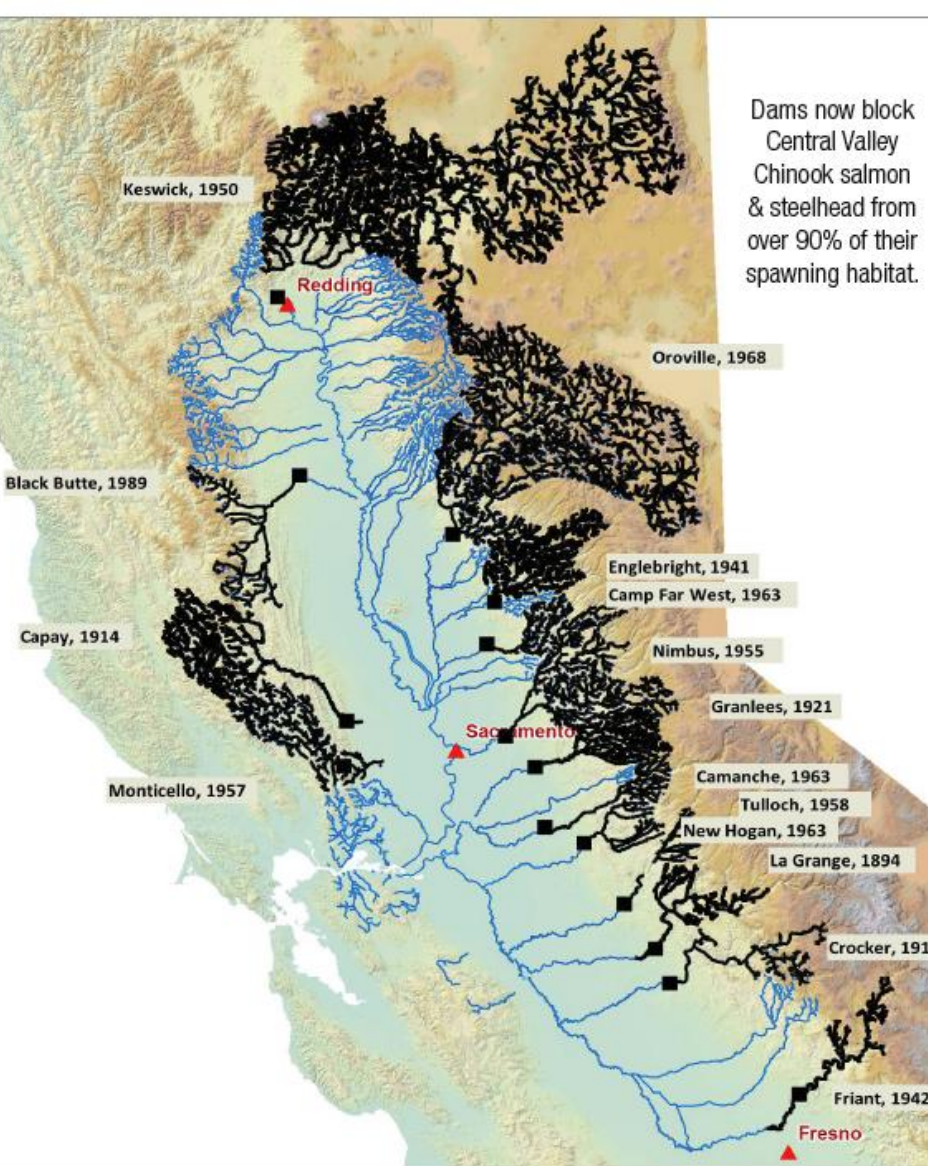
Winter Run - Endangered

Spring Run - Threatened

Sacramento River Fall Run Chinook— Abundance Trends



* 2014 Season Predicted values. (Pacific Fishery Management Council, 2014)



Source: 2014 NOAA Fisheries Central Valley Chinook Salmon and Steelhead Recovery Plan

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Source: 2012 California Hatchery Review Project

Sacramento River Riparian Habitat

- Supports over 225 vertebrate wildlife species
- Dominated by deciduous trees and shrubs
- Able to survive flood disturbance
- Needs summer water
- Important input to aquatic habitats(woody debris,bugs)
- Vegetation regenerates with meander, erosion/deposition, flooding;

Current status and trends :

- ↗ increased conservation ownership and restoration plantings
- ↘ decreased natural ecological processes e.g. meander and floodplain dynamics



Illustration by Jennifer Lala

Sacramento River National Wildlife Refuge
USFWS
10,000+ acres;
1,300 acres in additional easements;

Sacramento River Wildlife Area
CDFW
4,000+ acres

