



Item 7

2018 Draft 305(b) and 303(d) Integrated Report Update

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North Coast Regional Water Quality Control Board

April 16, 2020



Integrated Report Presentation Outline

- 1. Purpose of Presentation**
- 2. Overview of the Integrated Report**
- 3. Water Quality Assessment**
- 4. Listing Recommendations**
- 5. Highlighted Listing Recommendations**
- 6. Public review process**



Purpose of Presentation

Share information

Answer Board Member questions

Answer questions from the public

Overview of the Integrated Report 305(b) & 303(d) Integrated Report Process



**North Coast
RWQCB**

303(d) List

305(b) Report



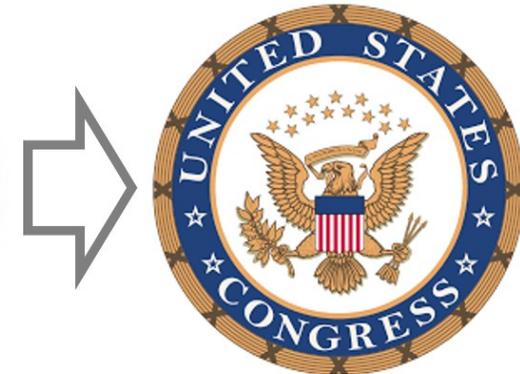
SWRCB

impaired waterbodies

surface water quality conditions



U.S. EPA



U.S. Congress

Water Quality Assessment

Example: Tule Lake

	Beneficial Use Assessed	Number of Samples	Number of Exceedances of Water Quality Objective	Per Listing Policy – is Beneficial Use Supported	Listing Decision
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Dissolved Oxygen Data

Cold Freshwater Habitat

→

16

→

6

→

No

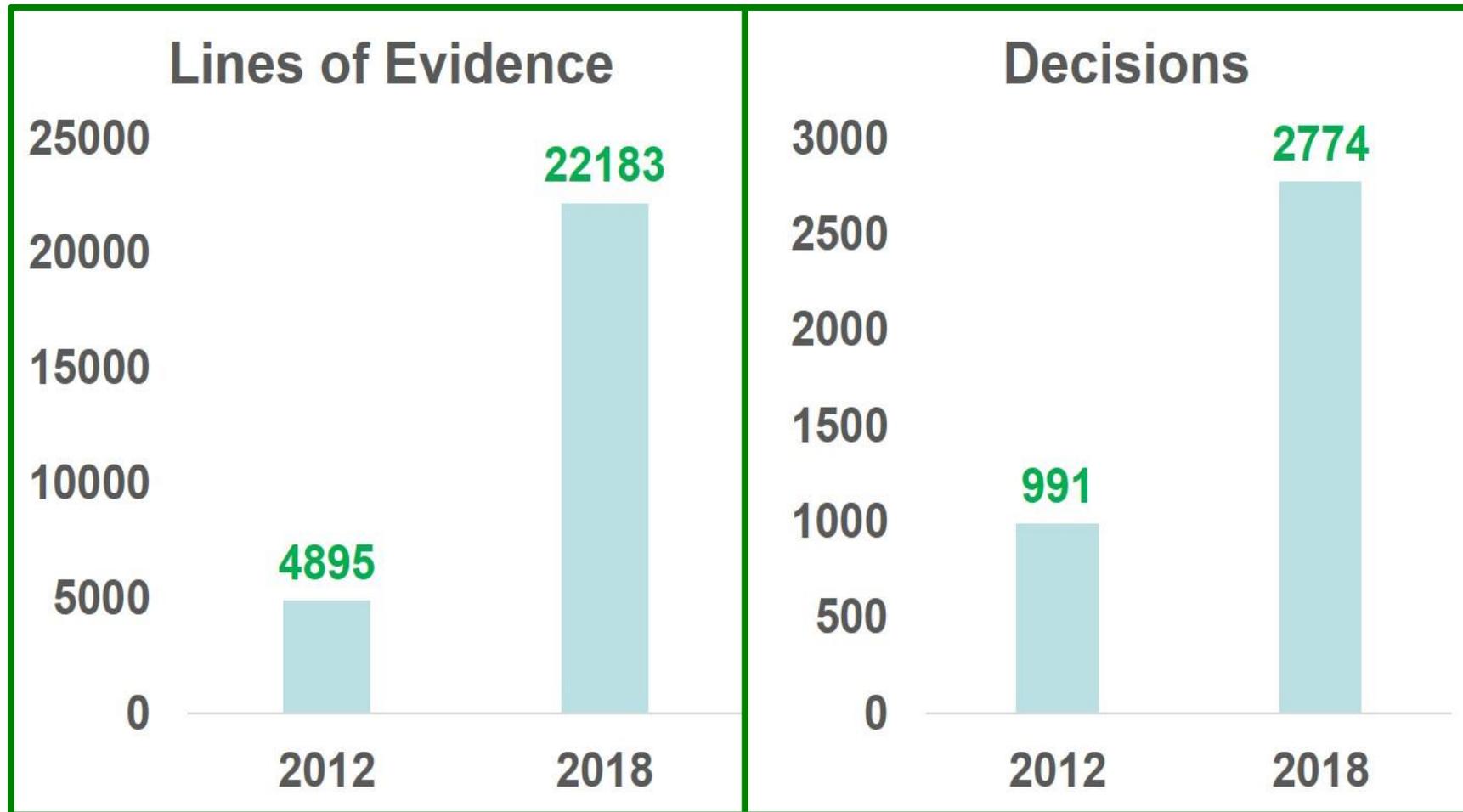
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List on 303(d) List

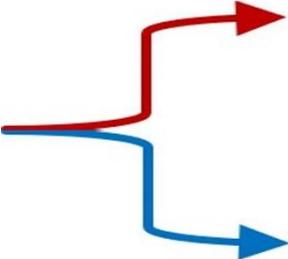
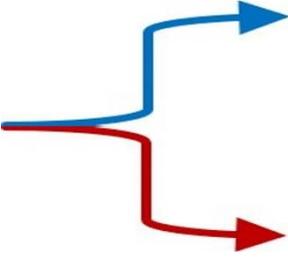
Line of Evidence

Decision

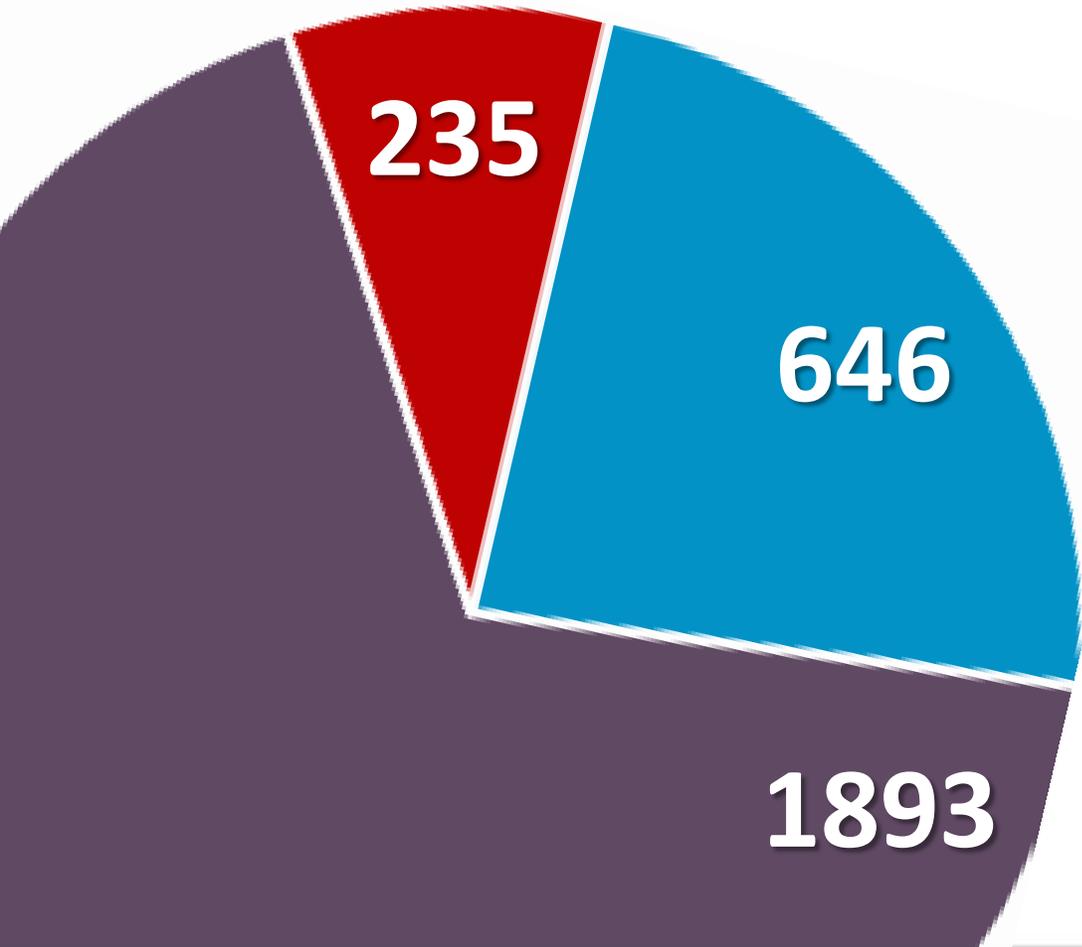
Water Quality Assessment Lines of Evidence and Decisions Summary



Water Quality Assessment 303(d) List Decision Process

2012 Decision	2018 Decision
<p data-bbox="468 705 779 876">List (impaired)</p>	 <p data-bbox="1528 611 2145 968">Do Not Delist (no change)</p> <p data-bbox="1528 816 2145 968">Delist (no longer impaired)</p>
<p data-bbox="366 1073 881 1330">Do Not List (not impaired or not enough data)</p>	 <p data-bbox="1610 1025 2068 1382">Do Not List (no change)</p> <p data-bbox="1610 1230 2068 1382">List (now impaired)</p>

Water Quality Assessment 2018 Waterbody-Pollutant Pair Decisions



Count	Decision
235	Beneficial Use Not Supported
646	Beneficial Use Supported
1893	Insufficient Information to Determine Beneficial Use Support



Listing Recommendations

Waterbody–Pollutant Pairs Summary

Proposed Listing Change	Pollutant	Count
New Delisting	Sediment	1
Decrease Listing Extent	Temperature	1
	Total Dissolved Solids	1
New Listing	Conventional	6
	Metals	19
	Indicator Bacteria	23



Highlighted Listing Recommendations

Proposed Delistings

Little South Fork Elk River	Sediment
Redwood Creek	Temperature

Proposed Listings

Metals	Aluminum and Manganese
Smith River tributaries	Copper
Ocean Beaches	Indicator Bacteria
Russian River	Indicator Bacteria

Highlighted Listing Recommendations

Elk River – Sediment

Delist

Upper Little South Fork

Waterbody

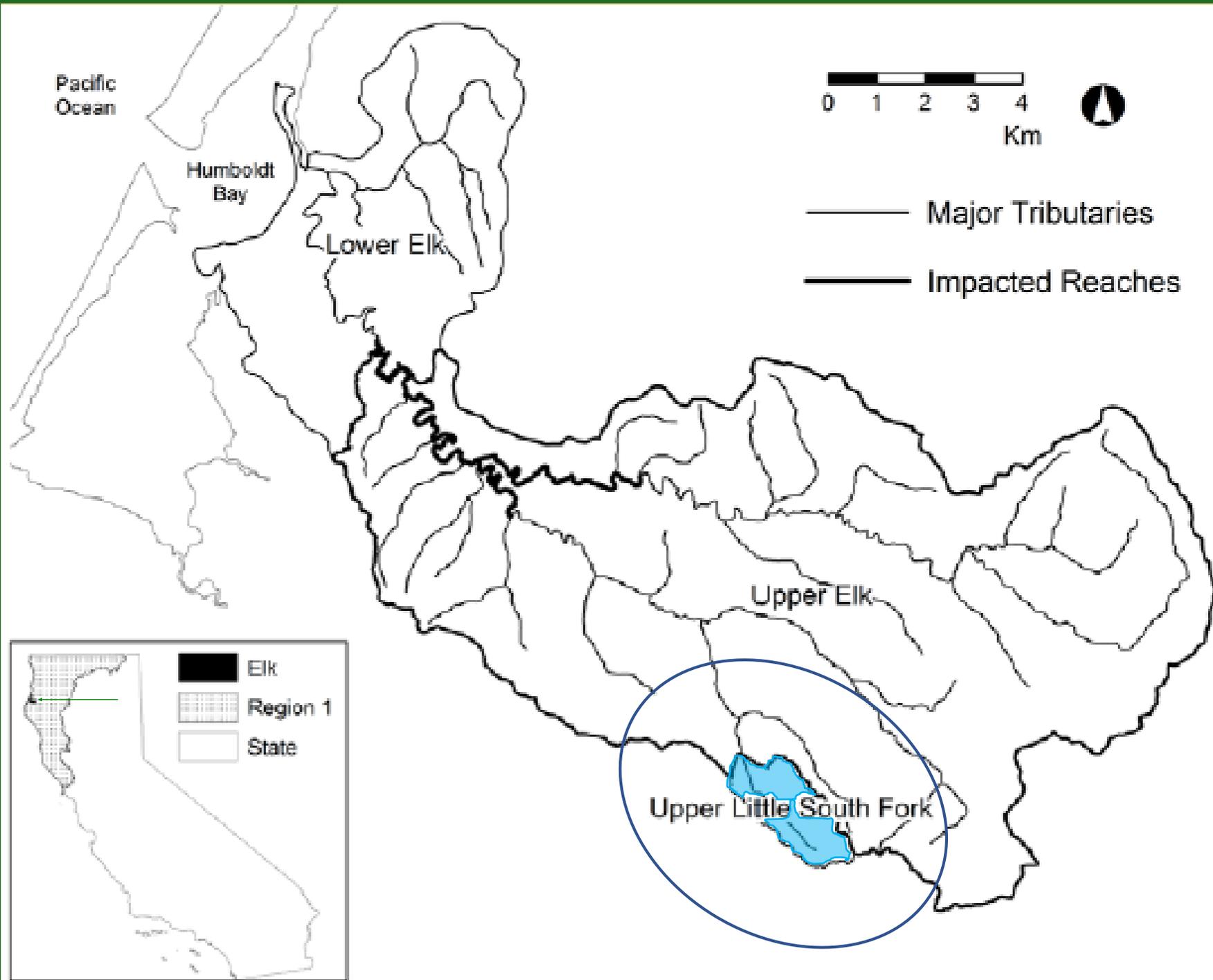
Eureka Plain HU, Elk River Watershed, Upper Little South Fork Elk River

Pollutant

Sediment

Beneficial Use

Cold Freshwater Habitat



Highlighted Listing Recommendations

Redwood Creek – Temperature

Reduce Listing Extent

Waterbody

Redwood Creek HU, Redwood Creek

Remove extents from 303(d) List:

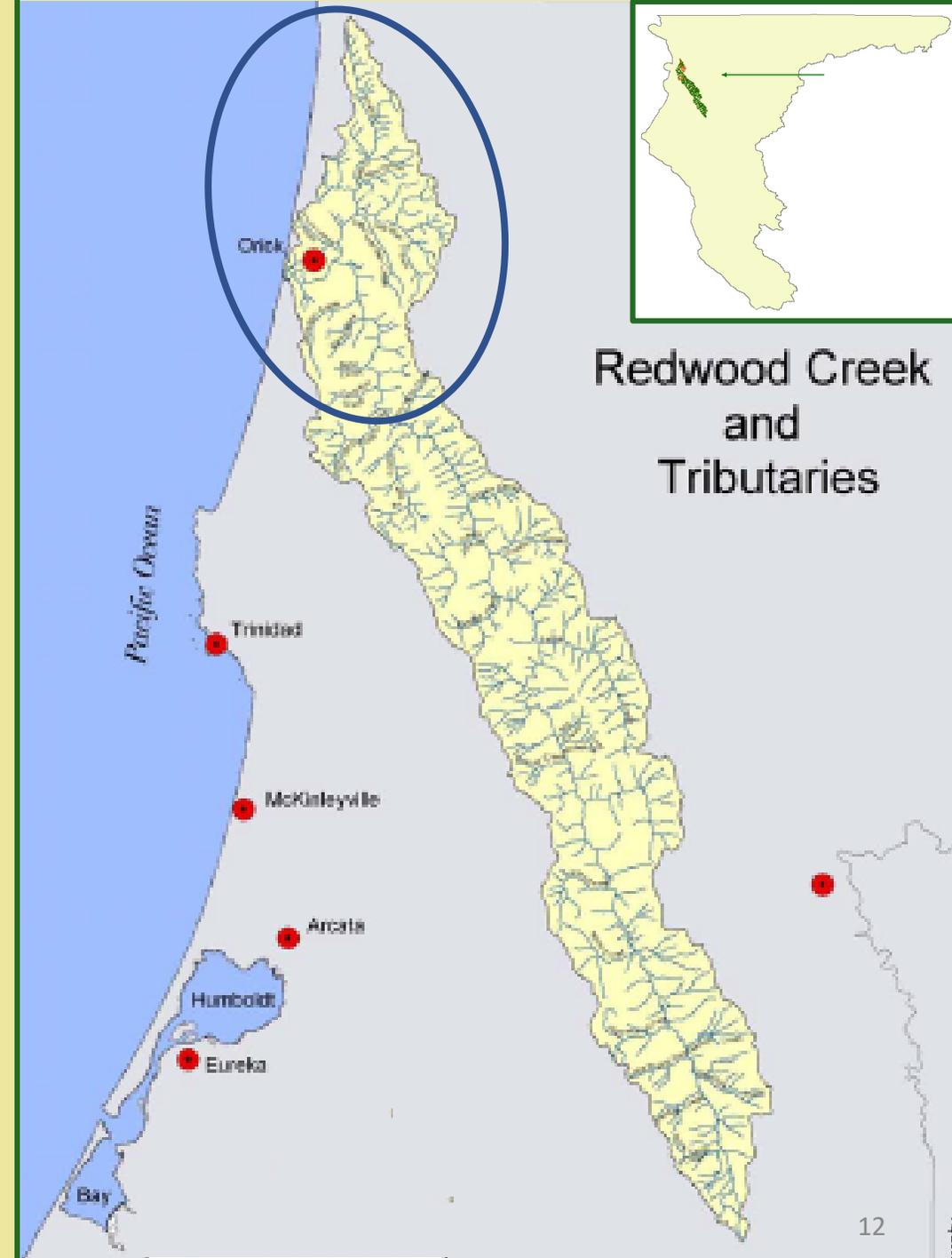
1. Little Lost Man Creek
2. Lost Man Creek
3. Prairie Creek
4. Tom McDonald Creek

Pollutant

Temperature

Beneficial Use

Cold Freshwater Habitat (COLD)



Highlighted Listing Recommendations Smith River Tributaries – Copper Propose to List

Waterbody

- Smith River HU, Delilah Creek
- Smith River HU, Tilas Slough

Pollutant

Copper

Beneficial Use

Cold Freshwater Habitat (COLD)

Recovery Actions

- Water Quality Management Plan
- Waste Discharge Requirements





Highlighted Listing Recommendations

Metals – Aluminum and Manganese

List

National Drinking Water Standards

- Primary drinking water standards (human health)
- Secondary drinking water standards (taste, odor, color)

Integrated Report Assessment

- Beneficial Use Assessed: Municipal and Domestic Supply (MUN)
- BU Support Threshold: Secondary Maximum Contaminant Levels
- 13 Waterbodies Listed: Low priority for TMDL development

Highlighted Listing Recommendations Coastal Beaches – Indicator Bacteria List

Waterbodies

- Greenwood State Beach
- MacKerricher State Park (near Mill Creek)
- Navarro River Beach
- Russian Gulch
- Van Damme State Park Beach

Pollutant

Indicator Bacteria

Beneficial Use

Shellfish Harvesting (SHELL)



Highlighted Listing Recommendations

Russian River Indicator Bacteria – Assessment Extents

Level	Hydrologic Unit Code	Example
1 st	HUC-2	California
2 nd	HUC-4	North Coast Regional Board boundary
3 rd	HUC-6	Southern portion of North Coast Region
4 th	HUC-8	Russian River watershed
5 th	HUC-10	Upper Russian River Middle Russian River Lower Russian River
6 th	HUC-12	For Lower Russian River HUC-10: East Austin Creek Ward Creek Porter Creek Dutch Bill Creek Willow Creek

Highlighted Listing Recommendations

Russian River Indicator Bacteria – Data Assessment

Hydrologic Area	Hydrologic Sub Area	Hydrologic Unit 12	<i>E. coli</i> ¹	Public Health Advisory ²	Enterococcus ³	Human <i>Bacteroides</i> ⁴	Bovine <i>Bacteroides</i> ⁴	Human DNA ⁵	Grazer DNA ⁵

Indicator Bacteria Listing Decisions (REC-1)

Primary Lines of Evidence

- Statewide Water Quality Objective: *E. coli* in freshwater, Enterococcus in saline water
- Public Health Advisory + USEPA Enterococcus in freshwater REC-1 criteria

Supporting Lines of Evidence

- *Bacteroides* bacteria
- PhyloChip analysis

Public Review Process Timeline





Public Review Process 2018 Integrated Report

Integrated Report Public Review and Comment Period

- **Comment Period:** March 19, 2020 – noon, April 30, 2020
- **Email Address:** commentletters@waterboards.ca.gov
- **Email Subject Line:**
“Comment Letter – 303(d) portion of the 2018 California Integrated Report” or
“Comment Letter—303(d) list for the North Coast Region”
- **Public Notice:**
https://www.waterboards.ca.gov/water_issues/programs/water_quality_assessment/docs/notice_2018integratedrpt.pdf

Public Hearing

- **Date and Time:** April 21, 2020, starting at 9:30a
- **Virtual Attendance:** http://www.waterboards.ca.gov/board_info/calendar



North Coast Regional Water Quality Control Board

Adaptive Management Unit

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