



# Integrated Report Overview

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# Integrated Report

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- Assess data to inform water quality of surface waters
- Identify waterbody segments where beneficial uses are not supported (impaired waters)
- Informational report used to prioritize future to protect and restore aquatic resources
- Identify trends in water quality conditions (goal)



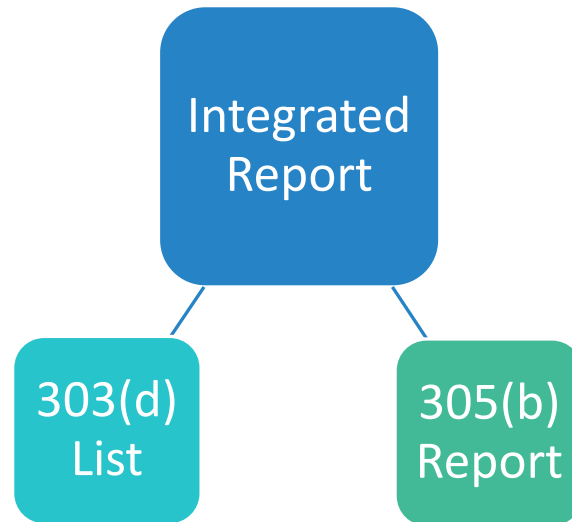
# Integrated Report Overview

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The **Integrated Report** addresses **sections 303(d)** and **305(b)** requirements of the **Clean Water Act**

## 303(d) List of Impaired Waterbodies

- Identify waterbody segments where beneficial uses are not supported
- Measured by attainment of water quality objectives or thresholds
- Pollutant-level



## 305 (b) Report

- Report on the condition of surface water quality
- Each waterbody segment assigned 1 of 5 “Integrated Report Condition Categories”

# Integrated Report Condition Categories

## Category 1

At least **core** beneficial use is supported, and no beneficial uses are known to be impaired.

## Category 2

Insufficient data and/or information to determine core beneficial use support.

## Category 3

Insufficient data and/or information to make a beneficial use support determination but data and/or information indicates beneficial uses may be potentially threatened.

## Category 4

At least one beneficial use is not supported but a TMDL is not needed.

**4a:** A TMDL has been developed and approved by U.S. EPA for at least one waterbody-pollutant combination listing, and the approved implementation plan is expected to result in full attainment of the water quality standard within a reasonable, specified time frame. All other listings in the waterbody are being addressed.

**4b:** Another regulatory program is reasonably expected to result in attainment of the water quality standard within a reasonable, specified time frame. All other listings in the waterbody are being addressed by action(s) other than a TMDL.

**4c:** The non-attainment of any applicable water quality standard for the waterbody is the result of pollution and is not caused by a pollutant.

The **303(d) List of Impaired Waterbodies** consists of waterbodies in Categories 4a, 4b & 5

## Category 5

**5:** At least one beneficial use is not supported and a TMDL is needed.

# Water Quality Control Policy for Developing California's CWA Section 303(d) List ("Listing Policy")

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**Instructs how to develop the 303(d) List:**

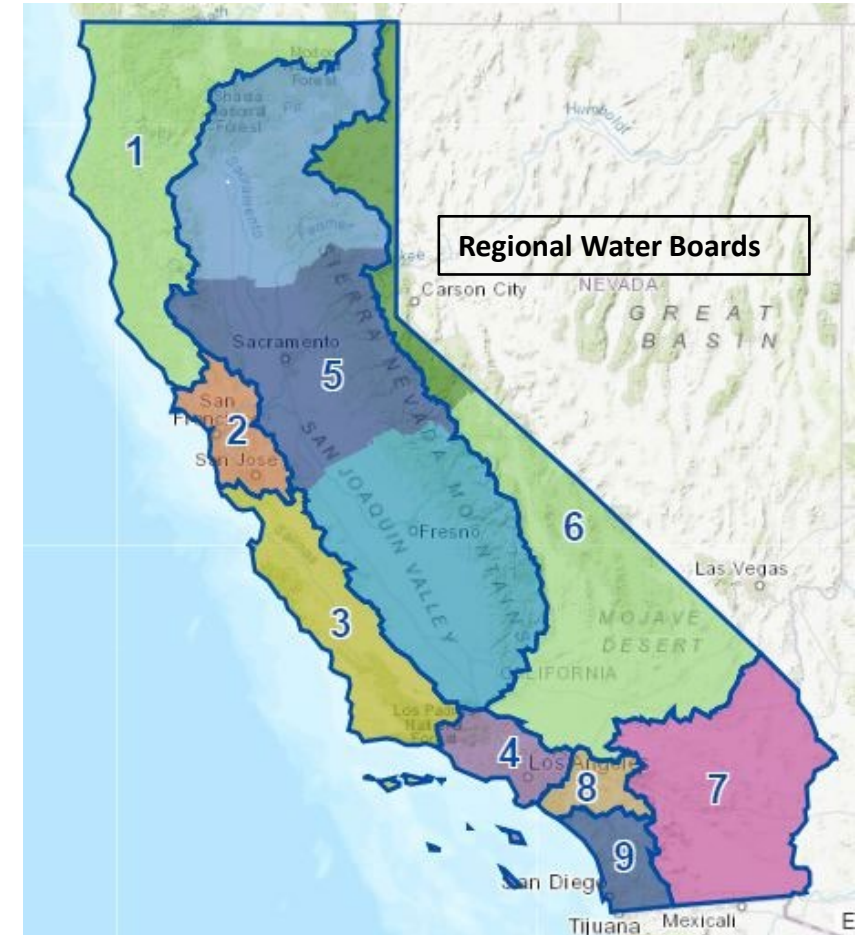
- **Administration of the listing process**
- **Data quantity, quality and organization conditions**
- **Application of chemical-specific or biological WQOs**
- **Using evaluation guidelines**
- **Listing and delisting factors**
- **Adopted in 2004 and amended in 2015**



# Integrated Report Cycles

Cycle Year	Regions on Cycle
2028	Central Coast (3) Central Valley (5) San Diego (9)
2030	San Francisco Bay (2) Los Angeles (4) Santa Ana (8)
2032	North Coast (1) Lahontan (6) Colorado River Basin (7)

- *Other Regions may choose to assess high priority data off-cycle*
- *Reports are released every 2 years on even numbered years*



# 1. Data Solicitation

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A formal **Notice of Public Solicitation** initiates data solicitation for the IR Cycle

Data must be submitted by the data solicitation cut off deadline

Submissions must meet the requirements outlined in the Notice:

- Submitted through the California Environmental Data Exchange Network (CEDEN)
- Data not compatible with CEDEN can be submitted through the new [Integrated Report Upload Portal](#)
- Data quality documentation



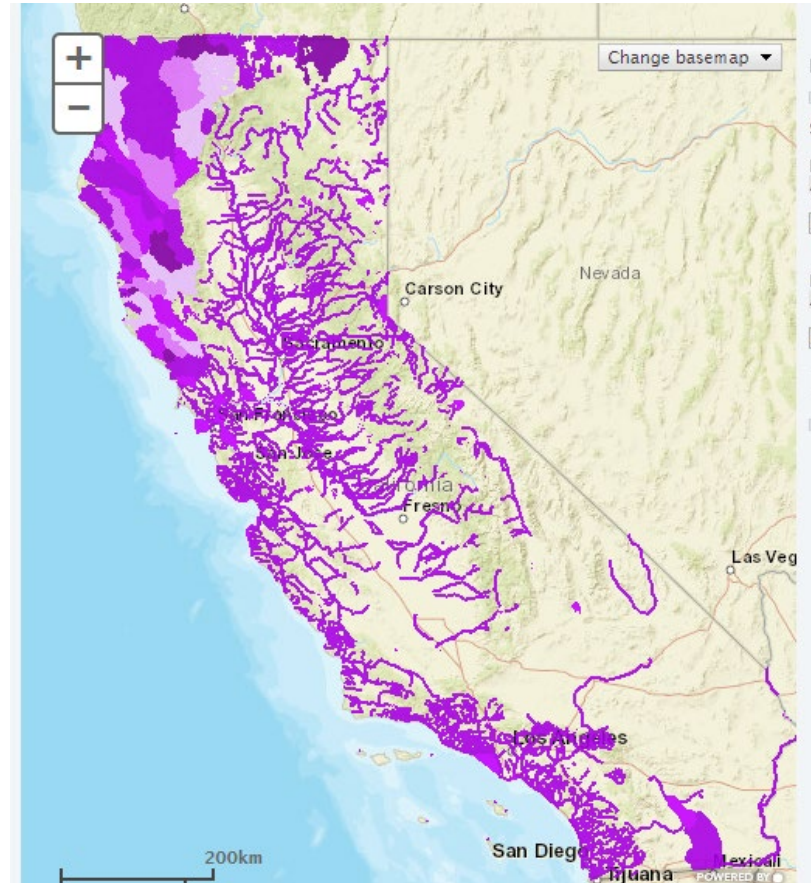
# 2. Data Organization & Mapping

## Data Organization

- Data is in a consistent and assessable format
- Data quality is evaluated and documented
- Geospatial data includes metadata (i.e. datum)
- Data and supporting references (e.g. QA documents) uploaded into internal database

## Mapping

- Spatial representation
- Waterbody segments mapped
- New stations associated with waterbody segments



# 3.Data Analysis: Lines of Evidence (LOEs)

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Each LOE is a unique combination of:

- Waterbody Segment + Pollutant + Beneficial Use + Matrix + Fraction + Parent Project Name

LOEs refer to **evaluation guidelines**:

- Water Quality Objectives
- Other appropriate, peer-reviewed guidelines established to protect human health or aquatic life

LOEs summarize:

- Number of **samples**
- Number of **exceedences** of the evaluation guideline

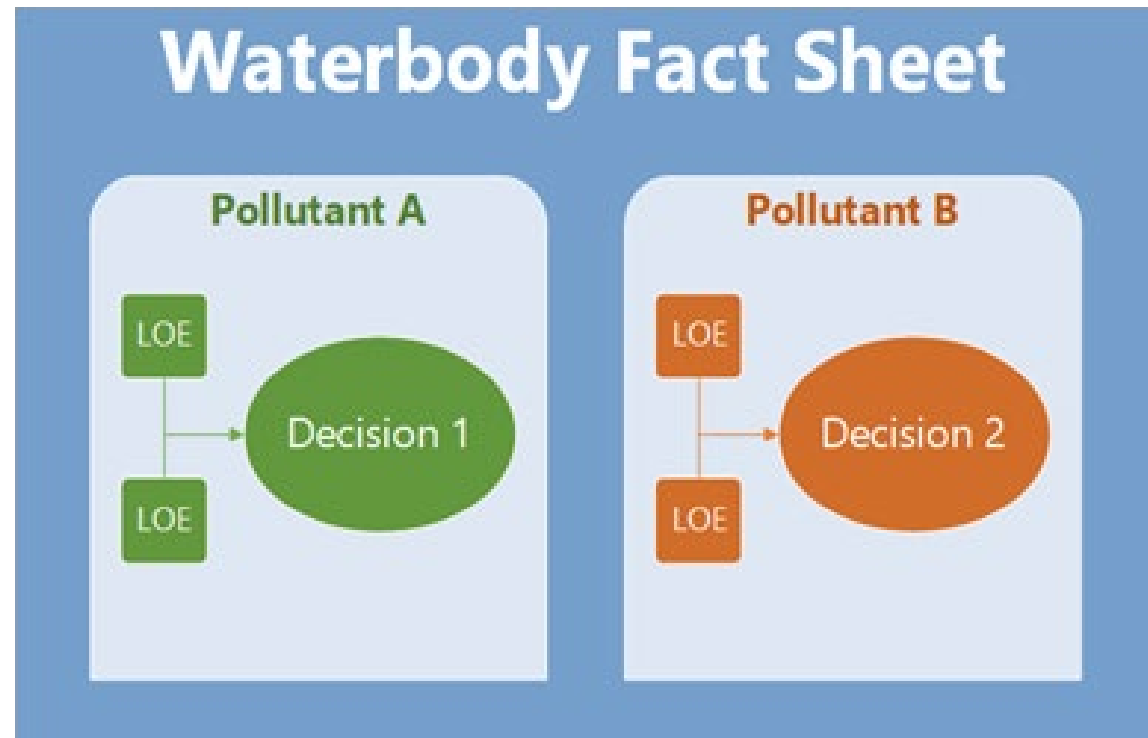
# 3(cont.) Data Analysis: Decisions

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Use information on the LOEs to make a **Decision** on whether to **List** or **Not List**

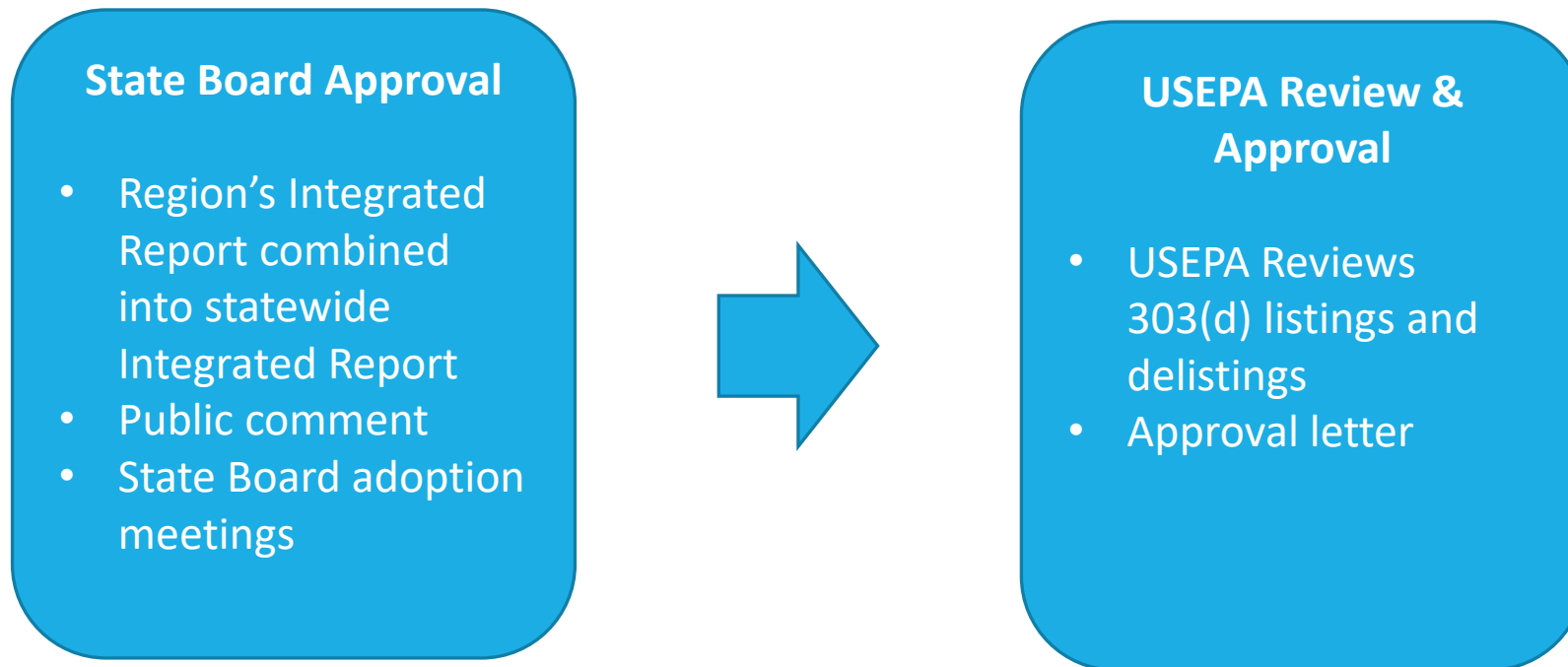
Decisions are made by **pollutant**

Reported as **Waterbody Fact Sheets**



# 4.- 6. Public Input and Board Approval

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# 303(d) List and Permit Nexus

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Staff researched and surveyed the following permitting programs to better understand how the 303(d) List is used in permits.

- NPDES Stormwater
- NPDES Non-Stormwater, including publicly owned treatment works
- Waste Discharge Requirements
- Irrigated Lands Regulatory
- Onsite Wastewater Treatment Systems
- 401 Water Quality Certifications
- Cannabis

# 303(d) List and Permit Nexus

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303(d) List is used to automatically trigger new permittee obligations in some existing permits. Examples include, but are not limited to:

- To require monitoring and reporting for the listed pollutant(s).
- To require sources of the listed pollutant(s) to be identified.
- To increase the inspection frequency for construction sites.

303(d) List is used in the development of new permits. Examples include, but are not limited to:

- To help inform reasonable potential analysis, and along with other information, is used to determine if a receiving water limitation or effluent limitation is required.
- As partial justification, along with other information, for requiring best management practices or pollutant controls.

# 303(d) List and Permit Nexus

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## Next Steps:

- Continue to take into consideration other factors other than the 303(d) List to inform decision-making and permit requirements.
- Where feasible, use the integrated report's data and information to inform new permit requirements.
- Water Board staff will continue to coordinate to help ensure that 303(d) listings are used appropriately.

# Cycle Status

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## **2028 Integrated Report**

- Decision Recommendations (Summer 2026)
- Draft Report preparation (Fall 2026)
- Draft Report Released for Public Comment (early 2027)

## **2030 Integrated Report**

- -Data Solicitation period ongoing, cut off data is August 10<sup>th</sup>, 2026

# Regional Monitoring Program (RMP) data in the Integrated Report

- RMP → CEDEN → Integrated Report
- Most RMP data is submitted to CEDEN
- Data types: water, sediment, toxicity, tissue
- Not included in analysis:
  - continuous data
  - some CECs
  - pollutants without criteria/objectives

Partial Analyte List	Type
Chlorophyll a	water
Copper	water
Hardness as CaCO3	water
Mercury	tissue
Methylmercury	water
Particulate Organic Carbon	water
Microplastics	
PCB	water, sediment
Pesticides	water, sediment
PFAS	water, tissue, sediment
PBDE	water, tissue, sediment
Selenium	water, tissue
Suspended Sediment	water
Total Organic Carbon	water
Toxicity	water, sediment

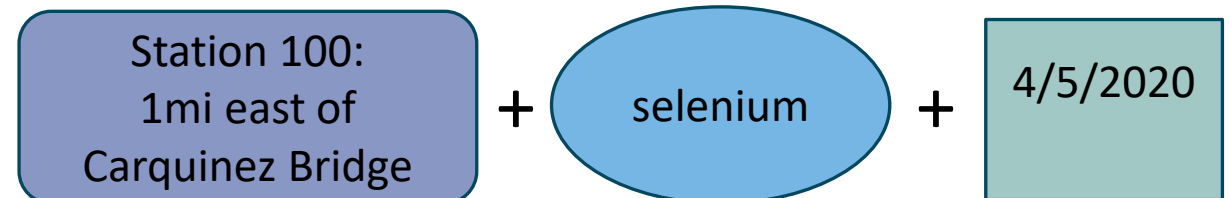
# Regional Monitoring Program (RMP) data in the Integrated Report

- 2024 cycle: data collected from 2010-2019
- 2030 cycle: data collected from 2019-2025
- Primary source of SF Bay data

## RMP Data in the 2024 Listing Cycle

Type	# of analytes	# of samples*
water	394	6,669
tissue	483	9,044
sediment	541	49,118

\* Example of a sample



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# Questions?

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