User Manual for CA Water Board's Tribal Water Data Map

CA Water Board's Office of Information Management and Analysis (OIMA)

2023-08-24

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Welcome!

This is an online User Manual for the California Water Board's Tribal Water Data Map (Map), written by the California State Water Resources Control Board's (State Water Board) Office of Information Management and Analysis (OIMA).

The purpose of the Map is to increase awareness of and access to the Water Board's water data resources that intersect with Tribal matters and needs. The interactive Map includes curated data layers that have been requested by tribal partners and that may be useful for California Native American Tribes (tribes) doing environmental or water related work.

The purpose of this User Manual is to provide guidance and context so it's easier for all audiences to use the Map. Content in this User Manual includes curated information that the has been requested by tribal partners and/or that the development Team thinks may be helpful to reference when using the map.

This Quarto book is an open, living, and continuously iterating resource. If you have suggestions for additions or revisions you think should be incorporated into this book, please follow the guidance provided in the Contributing chapter.

1 About OIMA

1.1 Overview

The California State Water Resources Control Board's (State Water Board) Office of Information Management and Analysis (OIMA), serves as an advocate for data management, a bridge between data collectors and users, and provides transparency of the Water Board's information management infrastructure.

> OIMA's goal is to collaborate monitoring efforts, accurately analyze data, make our data easily accessible, and create visualizations and reports that make data understandable across all audiences.

1.2 Tribal Water Data Initiatives

OIMA is committed to advancing equity, inclusion, and belonging in our work, our office, and at the Water Boards. Meaningful engagement and partnership with California Native American Tribes (tribes) is fundamental to this work.

OIMA has begun to work with Tribal partners on a series of water data initiatives -- including the Tribal Water Data Map and this User Manual -- to build relationships and work together to better understand, streamline, and improve the interactions between Water Board data systems and those of our Tribal government partners.

Visit our Tribal Water Data Initiatives website for information on other initiatives.

2 Map Guide

[port over everything BYK drafted in the original user guide doc]

3 Layer Guide

[paragraph introducing what's on the page - pull info from draft layers doc]

3.1 Tribal Land Layers

3.1.1 Layer Name

[Brief description of what the layer shows]

[image of layer]

[Source Name with link to source]

3.1.2 Layer Name

[Brief description of what the layer shows]

[image of layer]

[Source Name with link to source]

3.2 CA Water Boards Layers

3.2.1 Layer Name

[Brief description of what the layer shows]

[image of layer]

[Source Name with link to source]

3.2.2 Layer Name

[Brief description of what the layer shows]

[image of layer]

[Source Name with link to source]

3.3 Environmental Data Layers

3.3.1 Layer Name

[Brief description of what the layer shows]

[image of layer]

[Source Name with link to source]

3.3.2 Layer Name

[Brief description of what the layer shows]

[image of layer]

[Source Name with link to source]

3.4 Environmental Justice Layers

3.4.1 Layer Name

[Brief description of what the layer shows]

[image of layer]

[Source Name with link to source]

3.4.2 Layer Name

[Brief description of what the layer shows]

[image of layer]

[Source Name with link to source]

3.5 Other State or Local Government Layers

3.5.1 Layer Name

[Brief description of what the layer shows]

[image of layer]

[Source Name with link to source]

3.5.2 Layer Name

[Brief description of what the layer shows]

[image of layer]

[Source Name with link to source]

4 Resources

Here you will find a curated list of presentations, webpages and other resources related to the development, implementation and scaling of the Water Board's Tribal Water Data Map.

All Water Boards authors are **bolded** below.

4.1 Websites

Water Boards' Tribal Water Data Initiatives

4.2 Presentations

CA Water Boards' Tribal Water Data Resources Update. Aug 2023 (Summer Meeting). **Badhia Yunes Katz**, **Anna Holder**. California Issues Workgroup - US EPA Region 9 Regional Tribal Operations Committee (RTOC).

Introduction to CA Water Boards' Tribal Water Data Resources. Feb 2023 (Winter Meeting). **Badhia Yunes Katz**, **Anna Holder**. California Issues Workgroup - US EPA Region 9 Regional Tribal Operations Committee (RTOC).

5 Meet the Team!

The development of the Map and this User Manual has been a team effort from the start. Below is a list of team members within OIMA and tribal partners who have been integral to the development of these resources.

If you would like to join the Team, please email Anna Holder at: anna.holder@waterboards. ca.gov.

5.1 OIMA

Name	Title
Anna Holder	Environmental Scientist & OIMA Tribal Coordinator
Josh Davenport	Stanford Fellow
Leah Brosseau	CivicSpark Fellow

5.2 Tribal Partners

Table 5.2: Tribal partners listed in ascending order by Affiliation

Name	Title	Affiliation
Sarah Ryan	Environmental Director	Big Valley Band of Pomo Indians, Environmental Protection Department (Big Valley EPA)
Meyo Marrufo	Environmental Director	Guidiville Rancheria
Shasta Gaughen	Director	Pala Band of Mission Indians, Environmental Department (PED)

We also regularly receive critical feedback from the California Issues Workgroup of the US EPA Region 9 Regional Tribal Operations Committee (RTOC). See the Resource Chapter of this User Manual for past presentations.

5.3 Former OIMA Fellows & Interns

Name	Title	Year
Badhia Yunes Katz	CivicSpark Fellow	2023

6 Contributing

6.1 Who can contribute

Currently, only members of the OIMA Team are able to make *edits* to this User Manual and the Map, however we are always looking for feedback!

> **!** We want your feedback!
>
> If you have recommendations for improvement related to the Map or this User Manual you can send it to us by:
>
> - Emailing Anna Holder at: anna.holder@waterboards.ca.gov, OR
>
> - Submitting a GitHub Issue

6.2 How we contribute

We develop the content for this User Manual using RStudio, build the book using Quarto (via RStudio), and collaborate and publish using GitHub (also via RStudio).

6.2.1 Setup

To contribute, OIMA Team members must do the following, and it should only take about 20 minutes to complete:

1. **Install R and RStudio**

   Both R and RStudio should be available in the Software Center (for Windows 10) or Company Portal (for Windows 11) – if you don't see them in your Software Center/Company Portal or you have issues/questions during the instillation process, please send a request to the DIT HelpDesk and they can help you install them.

   Also see these step by step instructions on how to install these programs – you will only need to go through steps 1 and 2

If you are new to R, it would also be helpful if you could review the Getting Started Module so you can begin to familiarize yourself with the fundamentals of the program.

2. **Install Quarto**

   Quarto download and install instructions

3. **Create a GitHub Account**

   Create your free personal account GitHub account

   Tips on choosing your username

4. **Download and Install Git**

   Follow your operating system's normal Git installation process. Note: you will not see an application called Git listed but if the installation process completed it was likely successful, and we will confirm together.