



***Welcome to the State Water Board
UPWARD Advisory Group Meeting***

We will start shortly.

Updating Water Rights Data for California (UPWARD) Advisory Group Meeting

Agenda

1. Welcome / New Member Intros
2. Logistics / Last Meeting Recap
3. Project Clarifications
4. UPWARD Project Updates
5. Feedback Assessment from September
6. UAG Feedback Exercises
7. Q&A
8. Adjourn



Staff Introductions

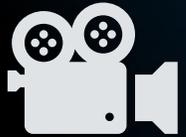
- **Jennifer Hernandez** | Advisory Group Coordinator
- **Jake Pasner** | Advisory Group Technical Support
- **Jeff Parks** | CalWATRS Product Owner
- **Brent Vanderburgh** | UPWARD Project Director

Logistics



Questions during the meeting?

- Raise your hand or type it into the chat



This meeting is being recorded

- The recording will be made public
- Do not share any sensitive information



Please mute your microphone when not speaking



Technical difficulty?

- Type into chat
- Email UPWARD@waterboards.ca.gov

Last Meeting Recap

- Charter/UAG purpose
- UPWARD/CalWATRS Players and Contractors
- Needs and Challenges of the Division
- UPWARD Goals, Functions, and Timelines
- Group Activities
- Slides and Recording from Last Meeting

Project Clarifications

UPWARD=
Updating
Water
Rights
Data
for
California

CaIWATRS
System

- California Water Accounting Tracking and Reporting System,
- eWRIMS Replacement

Digitization Team

- Scanning 7 Million Paper Records
- Electronic Content Management (ECM)

Telemetry Unit

- Improving Telemetry Capabilities by Working with Reporters

Project Clarifications (Cont.)

Minimum Viable Product (MVP): The minimum features needed to make the system work for most Users

Discovery Session: Working with developers to clarify the meaning of the “functional requirements”

Regulation vs Software Development: UAG focus is on the data, technology, and work processes...not regulations

Project Timeline

2023 DEVELOPMENT KICK OFF, DISCOVERY, PRODUCT INCREMENT ONE (PI1)

2024



INTERNAL
RELEASE

INTERNAL CONFIGURATION/
ENHANCEMENTS AND PUBLIC MTGS

SYSTEM
CUTOVER

OCT

NOV - APRIL 2025

~MAY 2025

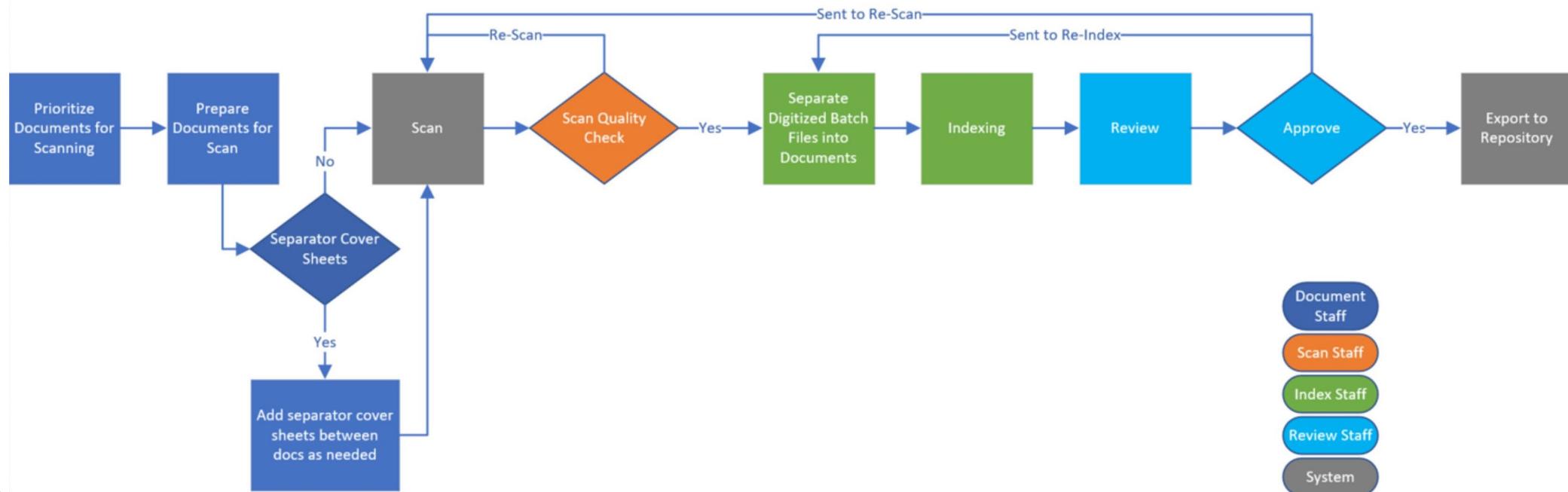
Digitization Project Update

- 120,000 document scanned to date
- Averaging 6k documents scanned per week
 - Planned to increase to 10k / week
- Prioritization of documents to scan is underway
- Ad-hoc scanning process available in case a priority job comes up

Digitization Process Overview

Digitization Workflow:

Document Prep, Scan & Scan Quality Check (QC), Doc Split, Index, Review, Export



Telemetry Update

- Russian River selected as pilot study watershed
 - Build telemetry knowledge and relationships in a diverse watershed
 - Support CalWATRS development (APIs, data standardization, easier device integration, etc.)
 - Keep on top of the rapidly evolving technology landscape so that Water Rights can support reporters at their level of understanding/technology

System Demonstrations



eWRIMS – Ownership Change Form

**STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER RIGHTS
CHANGE OF OWNERSHIP FORM**

This form is the official method to notify the State Water Resources Control Board about ownership changes for water rights applications, permits, licenses, or registrations. To comply with regulations, submit this form within 30 days of the ownership change. Failure to do so could result in fines of up to \$500 per day for new owners (Cal. Code Regs., tit. 23, §831). Please complete the form timely to avoid penalties.

Submit this form by:

Email to: changerequest@waterboards.ca.gov; or
Fax to: (916) 341-5400.

- Water Right ID(s) associated with this change of ownership:

- New owner information:
Name: _____
Address: _____
City, State, Zip: _____
Phone Number: _____ Email: _____
- Additional known owners (if applicable). Attach additional pages, if necessary.
Additional Owner(s) Name: _____
Address: _____
City, State, Zip: _____
Phone Number: _____ Email: _____
- Provide the contact information for the person that all correspondence related to this water right(s) should be sent to:
Name: _____
Address: _____
City, State, Zip: _____
Phone Number: _____ Email: _____
Indicate whether this is an Owner or Agent (check one): Owner Agent
- Additional information or other instructions regarding this change, if any. Attach additional pages, if necessary:

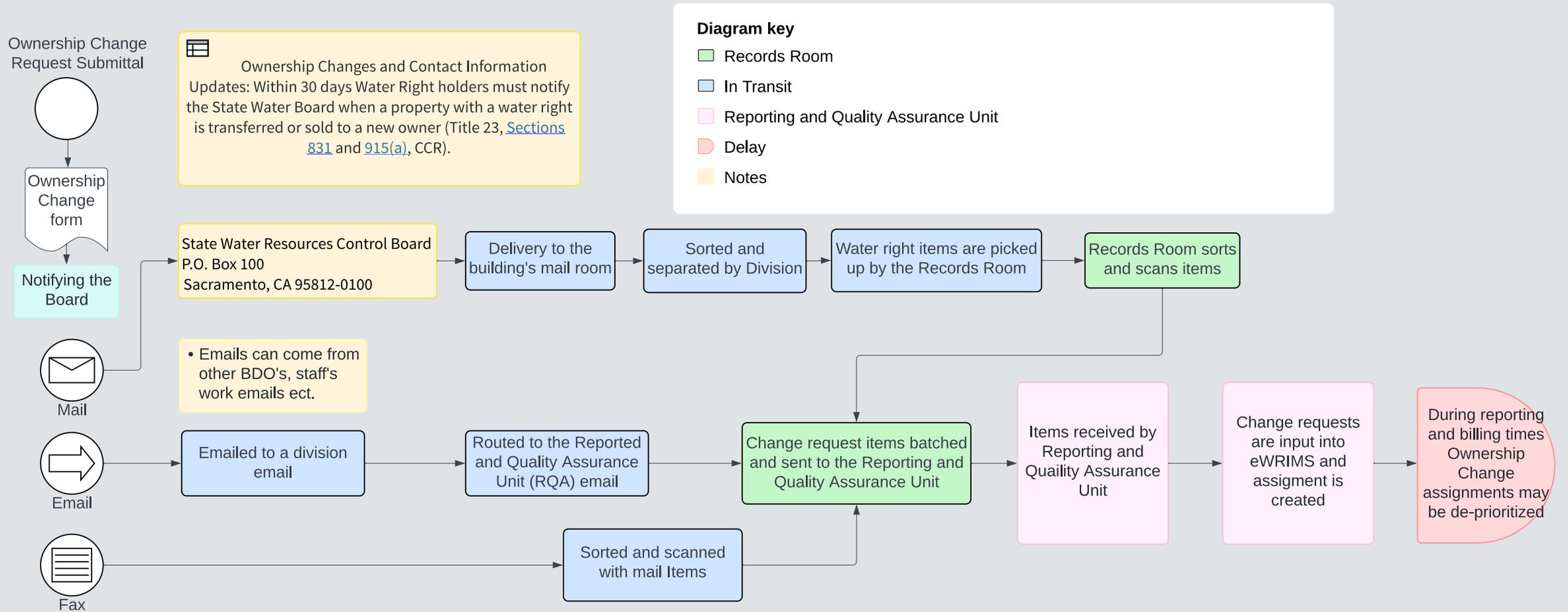
- Contact information of person submitting this form. To assist us in completing your request, state your relationship to the water right(s) (check one):

Previous Owner New Owner Agent

Provide your name and contact information in case we have questions:

Name: _____ Company (if applicable): _____
Email: _____ Phone: _____
Signature: _____ Date: _____

eWRIMS – Ownership Change



eWRIMS – Ownership Change

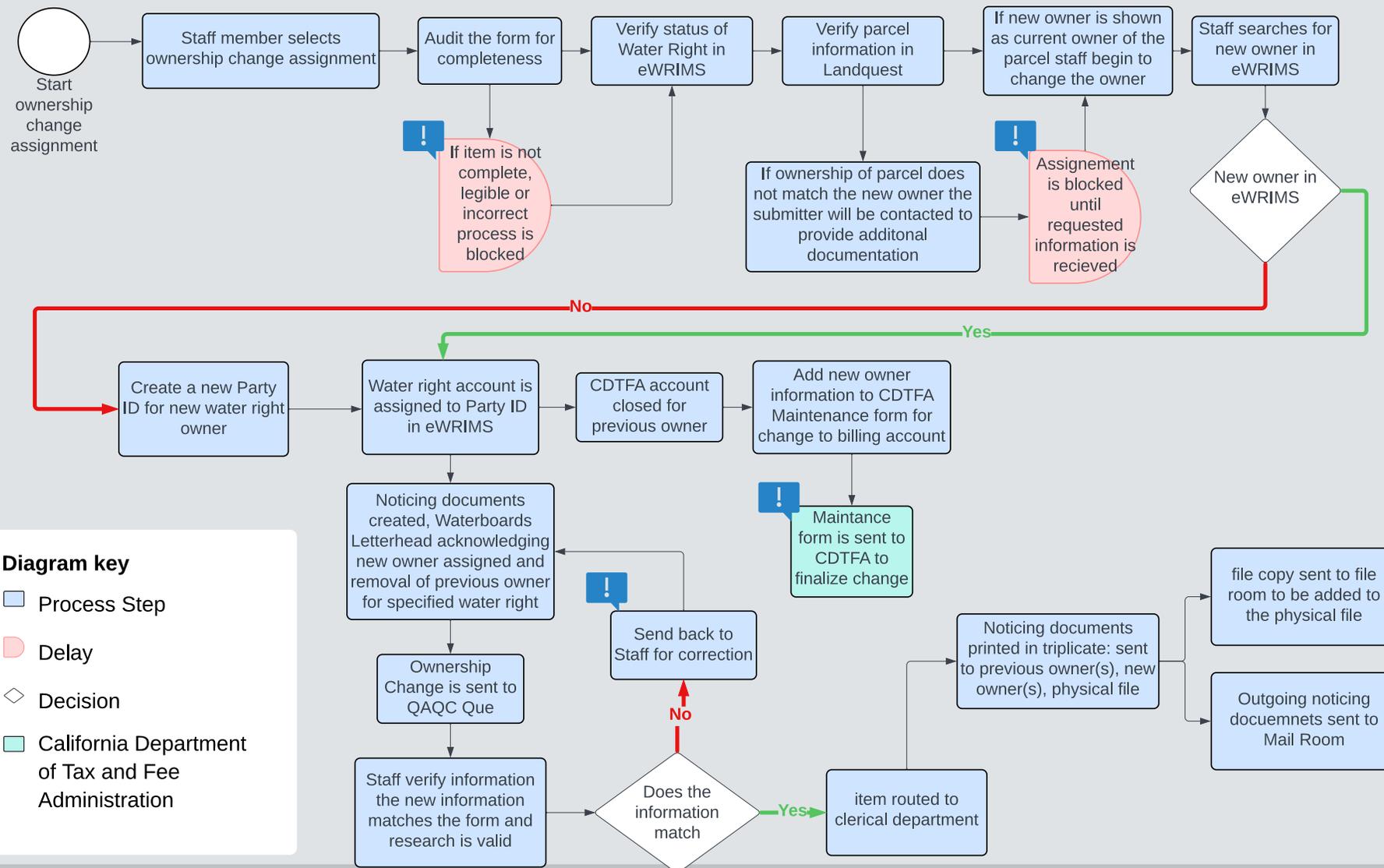


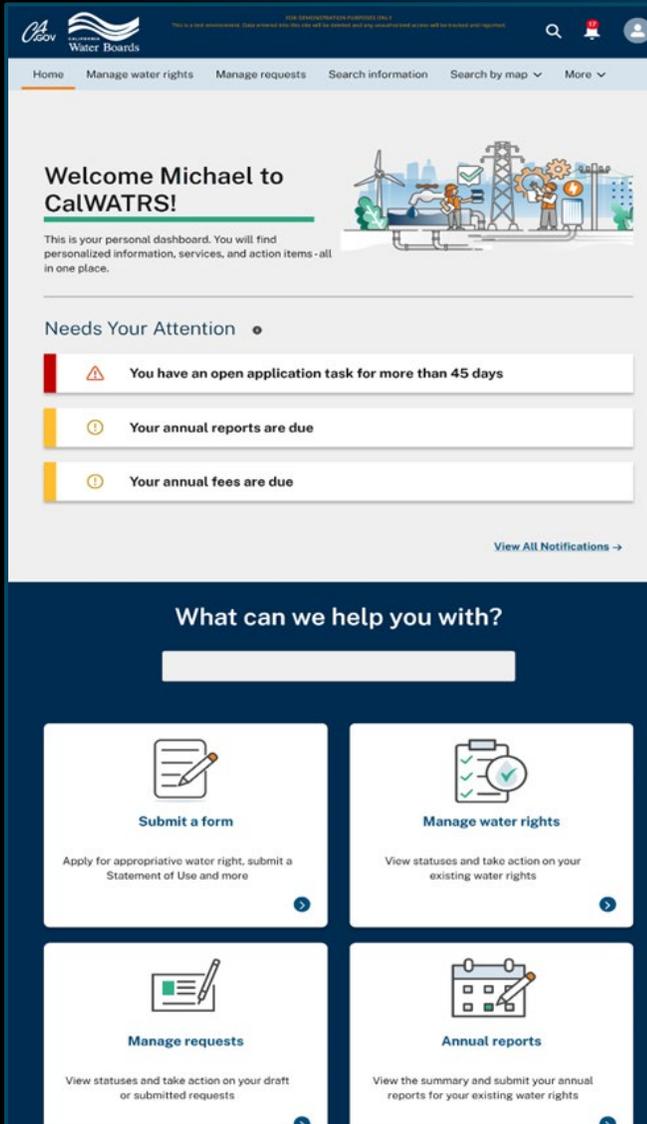
Diagram key

- Process Step
- Delay
- Decision
- California Department of Tax and Fee Administration



CalWATRS – Ownership Change Process

CalWATRS – Change Request



The screenshot shows the CalWATRS Home Page. At the top, there is a navigation bar with the Cal Water Boards logo and a search bar. Below the navigation bar, there is a welcome message: "Welcome Michael to CalWATRS!" followed by a brief description of the dashboard. A "Needs Your Attention" section contains three notification cards: "You have an open application task for more than 45 days", "Your annual reports are due", and "Your annual fees are due". Below this, there is a section titled "What can we help you with?" with a search bar and four tiles: "Submit a form", "Manage water rights", "Manage requests", and "Annual reports".

Home Manage water rights Manage requests Search information Search by map More

Cal Water Boards

WELCOME Michael to CalWATRS!

This is your personal dashboard. You will find personalized information, services, and action items - all in one place.

Needs Your Attention

- You have an open application task for more than 45 days
- Your annual reports are due
- Your annual fees are due

View All Notifications →

What can we help you with?

Submit a form
Apply for appropriate water right, submit a Statement of Use and more

Manage water rights
View statuses and take action on your existing water rights

Manage requests
View statuses and take action on your draft or submitted requests

Annual reports
View the summary and submit your annual reports for your existing water rights

CalWATRS Home Page

- User is able to view any notices for connected water rights i.e. fees, reporting or pending requests from staff
- Search bar to assist with locating information
- Tiles allow users to easily navigate to desired functionalities

CalWATRS – Change Request

My Cal WATRS - Manage water rights

My water rights

View and take action on your water rights.

Permits Licenses Registration Statements Transferred Water

Permits

Application Water Rights

Pending

Permit applications that were accepted and are pending issuance of a permit

0 items

Permitted

Permitted appropriative rights

1 items

Water Right ID: **A033381**

Status: **Permitted**

Primary Owner: Michael Scott

Standard Permit

Priority Date: 04/04/2024

Face Value: 12,000,000 acre-feet/yr

County: Yolo

Source: Cache Creek

Permit Expiration Date: 04/24/2069

Actions

- View record
- View permit Document
- Change of ownership
- Revocation

Page 1 of 1 < 1 >

Expired

Permitted

0 items

Revoked

CalWATRS My water rights page

- User is able to dynamically view all permits, licenses, statements and/or transferred water rights
- Permitted, pending, expired and revoked water rights connected to the account holder will be displayed
- Initiate actions from specified water right tile

CalWATRS – Change Request

FOR DEMONSTRATION PURPOSES ONLY
This is a test environment. Data entered into this site will be deleted and any unauthorized access will be tracked and reported.

CA GOV CALIFORNIA WATER BOARDS

Home Manage water rights Manage requests Search information Search by map More

Steps

- Affected Water Rights
- New Primary Owner Information
- Contact Information Updates
- Mail Receiver
- Upload Files
- Review and Submit

Affected Water Rights

Select the Water Right ID(s) associated with this change in ownership.

Relationship with current primary owner/diverter:

I am the current primary owner/diver

Current primary owner/diverter:*

Michael Scott

Water Right:

Application Id	Water Right Type	Status
A033381	Permit	Permitted

Save and exit Next

CalWATRS Information

About CalWATRS

Web Accessibility

Privacy Policy

Follow Us

Language Services

Have Questions?

Call 800-000-0000

Email calwatsr.info

Visit calwatsr-help

Subscribe

Sign Up

Ownership change – Step 1

- Verify user submitting the request and name of the current primary owner
- When initiating from the water right tile this information will auto populate
- Progress bar provides clear visualization of completed and upcoming sections

CalWATRS – Change Request

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This is a test environment. Data entered into this site will be recorded and any unauthorized access will be tracked and reported.

Home Manage water rights Manage requests Search information Search by map More

Steps

- Affected Water Rights
- New Primary Owner Information**
- Contact Information Updates
- Mail Receiver
- Upload Files
- Review and Submit

New Primary Owner Information

Select the New Primary Owner for the selected water right(s).

* Indicates a required field

Do you want to change Primary owner/diverter?*

Yes No

Do you want to keep existing Primary owner/diverter as Non-primary owner?*

Yes No

New Primary Owner Information

Select type of contact

Does this contact belong to an organization?*

Yes No

Search Existing Contact

First Name* Middle Name Last Name*

Harry Potter

Mailing Street

100 Universal City Blvd

Mailing City* Mailing State

Universal City California

Mailing zip* Mailing Country*

91608- United States

Phone Number Email address*

(800) 864-8377 Quittich_Seeker@hogwarts.edu

[Save and exit](#)

CalWATRS Information [Have Questions?](#)

Ownership change – Step 2

- Confirm if the change is for the primary owner
- Search option for existing contact in CalWATRS
- Enter the contact information for the new primary owner
- Fields with red asterisks are required

CalWATRS – Change Request

FOR ADMINISTRATION PURPOSES ONLY
This is a test environment. Data entered into this site will be deleted and any unauthorized activity will be tracked and reported.

CA.GOV CALIFORNIA Water Boards

Home Manage water rights Manage requests Search information Search by map More

Steps

- Affected Water Rights
- New Primary Owner Information
- Address Verification**
- Contact Information Updates
- Mail Receiver
- Upload Files
- Review and Submit

Please select an address to proceed

We could not find the address you entered, but found one similar. Please select the address you would like to use below.

Select from the following options*

Suggested address:

100 UNIVERSAL CITY PLZ
UNIVERSAL CITY, CA 91608-1002

Entered address:

100 Universal City Blvd
Universal City
CA 91608-

[Save and exit](#)

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Email calwatsr.info

Visit [calwatsr-help](#)

Subscribe

Ownership change – Step 3

- USPS address verification
- Improved data consistency, less return to sender cases

CalWATRS – Change Request

FOR DEMONSTRATION PURPOSES ONLY
This is a test environment. Data entered into this site will be deleted and any unauthorized access will be tracked and reported.

CA.gov CALIFORNIA Water Boards

Home Manage water rights Manage requests Search information Search by map More

Steps

- Affected Water Rights
- Ne...
- Ac...
- Co...
- Int...
- Mi...
- Up...
- Re...

Contact Information Updates

Use this section to add new Non-primary owners and Agent. Add Non-primary owners if there are other Primary owners whose property falls within the place of use for this water right. Add an Agent if you would like to designate an agent for this water right.

Relationship with water right(s) *

Agent

Select type of contact *

Individual Organization

Does this contact belong to an organization? *

Yes No

Search existing contact by email or phone

Additional information goes here

First Name * Middle Name Last Name *

Mailing street *

Mailing city * Mailing state *

Mailing Zip * Mailing Country *

United States

Phone Number Email Address *

Ownership change – Step 4

- Input contact information for any non-primary owners and or agents

CalWATRS – Change Request

FOR ADMINISTRATION PURPOSES ONLY
This is a live environment. Data entered into this site will be deleted and any unauthorized activity will be tracked and reported.

CA.gov CALIFORNIA Water Boards

Home Manage water rights Manage requests Search information Search by map More

Steps

- Affected Water Rights
- New Primary Owner Information
- Address Verification
- Contact Information Updates
- Mail Receiver**
- Upload Files
- Review and Submit

Mail and Bill Receiver

Upon approval of ownership change the new owner can add an agent and manage their mailing and billing preferences.

Who is the Mail Receiver?*

Primary owner/diverter

The mail receiver must be the Primary owner/diverter or agent.

Who is the Bill Receiver?*

Primary owner/diverter

The bill receiver must be the Primary owner/diverter or agent. If the Primary owner/diverter is an organization, bill we be sent to organization email and organization contact.

The contacts listed above will become the new mail and billing receiver across all water rights included in this request.

[Save and exit](#) [Back](#) [Next](#)

CalWATRS Information

About CalWATRS [Call 800-000-0000](#)

Web Accessibility [Email calwatsr.info](#)

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Ownership change – Step 5

- Confirm billing and mail receivers
- Useful for larger organizations

CalWATRS – Change Request

FOR ADMINISTRATION PURPOSES ONLY
This is a test environment. Data entered into this site will be deleted and any unauthorized access will be tracked and reported.

CA.gov CALIFORNIA Water Boards

Home Manage water rights Manage requests Search information Search by map More

Steps

- Affected Water Rights
- New Primary Owner Information
- Address Verification
- Contact Information Updates
- Mail Receiver
- Upload Files**
- Review and Submit

Upload files

Please provide reference documentation or images that provide additional context for the map information included on the previous screen.

This reference documentation may include:

- legal documentation for water usage or diversion locations,
- survey maps, or
- other historical information associated with the area under consideration for water rights.

Files with extension .exe, .xml and .tar extensions are not allowed.

*Indicates a required field

[Upload Files](#)

Or drop files

[Save and exit](#) [Back](#) [Next](#)

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Email calwatsr.info

Visit [calwatsr-help](https://www.calwatsr-help.com)

Subscribe

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Ownership change – Step 6

- Upload any supplemental documentation
- File and drag and drop abilities
- Streamlined addition to ECM (after staff review)

CalWATRS – Change Request

Steps

- Affected Water Rights
- New Primary Owner Information
- Address Verification
- Contact Information Updates
- Mail Receiver
- Upload Files
- Review and Submit

Review And Submit

Please review all fields below. If there are any errors, click on back to make changes.

* Indicates a required field

Existing Water Rights ID:

Application Id	Water Right Type	Status
A033381	Permit	Permitted

[<](#) [1](#) [>](#)

Primary Owner Information

Existing Primary Owner: New Primary Owner:

Contact Changes

Application Id	Name	Previous Relationship	Current Relationship
A033381	Harry Potter		Primary applicant

[<](#) [1](#) [>](#)

Mail Receiver: Bill Receiver:

I declare that the information in this change of ownership is true to the best of my knowledge and belief

Signature*

Please include your first, middle and last name as it appears on your user profile below.

First Name: Middle Name: Last Name:

Date:

[Save and exit](#)

Ownership change – Step 7

- Review and Submit

CalWATRS Information

About CalWATRS

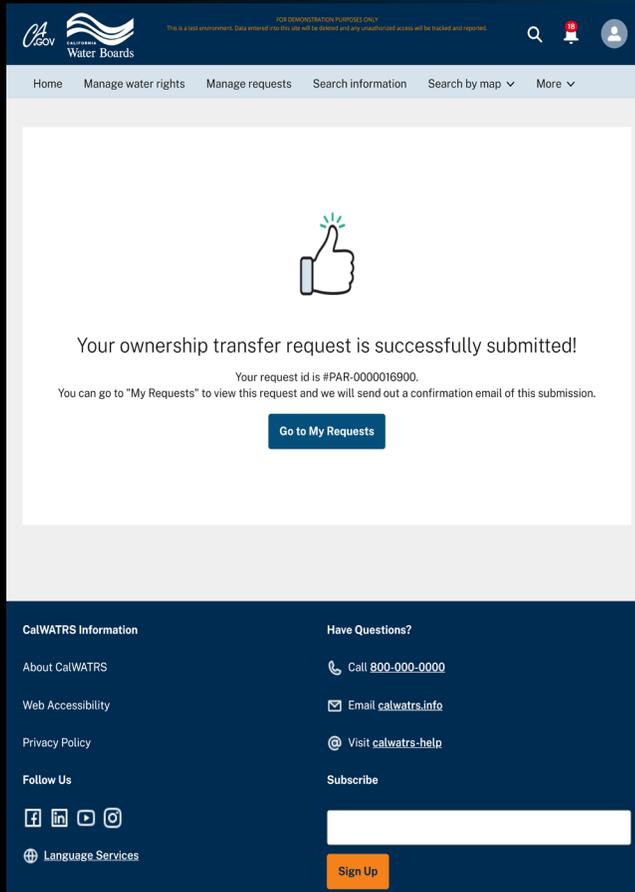
Web Accessibility

Have Questions?

Call 800-000-0000

Email calwatrs.info

CalWATRS – Change Request



The screenshot shows the CalWATRS website interface. At the top, there is a navigation bar with links for Home, Manage water rights, Manage requests, Search information, Search by map, and More. The main content area features a thumbs-up icon and the message: "Your ownership transfer request is successfully submitted!". Below this, it states "Your request id is #PAR-0000016900." and "You can go to 'My Requests' to view this request and we will send out a confirmation email of this submission." A button labeled "Go to My Requests" is provided. The footer contains sections for CalWATRS Information, Have Questions? (with contact info for 800-000-0000, email, and social media), Follow Us (with social media icons), and Language Services (with a Sign Up button).

Ownership change –Done

- Request has been submitted
- Pending staff approval
- Unique ID assigned to reporter for tracking

CalWATRS – Change Request

The screenshot displays the 'My Requests' page on the CalWATRS website. The page is titled 'My Requests' and includes a sub-header 'View and complete actions on your ongoing applications'. Below this, there are tabs for 'Change of ownership', 'Revocations', 'Inactivation requests', 'Petitions', and 'More'. The 'Change of ownership' tab is selected, and the 'Completed' sub-tab is active. Under the 'Submitted' section, there is one item listed with the following details:

- Water Right ID: A033381
- Application ID: PAR-0000016900
- Person Submitting Change: Michael Scott
- Status: Pending Acceptance
- Current Primary Owner/Divertor: Michael Scott
- Date Form Submitted: 04/25/2024

At the bottom of the page, there is a footer with 'CalWATRS Information' and 'Have Questions?' sections. The 'Have Questions?' section includes a phone icon and the text 'Call 800-000-0000' and an email icon with the text 'Email calwatsr.info'.

My Request Page

- Ability to view all submitted and draft requests
- Reduces need to call/email for clarification on a request

eWRIMS – Geospatial Information

TYPE OR PRINT
IN BLACK INK
(For instructions, see
booklet: "How to File an
Application to
Appropriate Water in
California")



California Environmental Protection Agency

State Water Resources Control Board
Division of Water Rights

P.O. Box 2000, Sacramento, CA 95812-2000

Tel: (916) 341-5300 Fax: (916) 341-5400

www.waterboards.ca.gov/waterrights

APPLICATION NO. _____

APPLICATION TO APPROPRIATE WATER

1. APPLICANT/AGENT

	APPLICANT	ASSIGNED AGENT (if any)
Name		
Mailing Address		
City, State & Zip		
Telephone		
Fax		
E-mail		

2. OWNERSHIP INFORMATION (Please check type of ownership.)

- Sole Owner Limited Liability Company (LLC) General Partnership*
 Limited Partnership* Business Trust Husband/Wife Co-Ownership
 Corporation Joint Venture Other _____

*Please identify the names, addresses and phone numbers of all partners.

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

- POD / PORD # _____ tributary to _____
 _____ thence _____
 POD / PORD # _____ tributary to _____
 _____ thence _____
 POD / PORD # _____ tributary to _____
 _____ thence _____
 POD / PORD # _____ tributary to _____
 _____ thence _____

If needed, attach additional pages, check box below and label attachment

See Attachment No. _____

b. State Planar and Public Land Survey Coordinate Description:

POD/ PORD #	CALIFORNIA COORDINATES (NAD 83)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWN- SHIP	RANGE	BASE AND MERIDIAN
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				

If needed, attach additional pages, check box below and label attachment

See Attachment No. _____

c. Name of the post office most often used by those living near the proposed point(s) of diversion:

eWRIMS

Required Per Water Code

§5103(c) The place of diversion. The location of the diversion works shall be depicted on a specific United States Geological Survey Topographic Map, or shall be identified using the California Coordinate System, or Latitude and Longitude measurements. A public land description to the nearest 40-acre subdivision and the assessor's parcel number shall be also be provided.

Provide the location of the point of diversion using **ONE** of the following methods: 1) identifying the location by latitude and longitude measurements, 2) identifying the location using the California Coordinate System, or 3) depicting the location of the diversion works on a map attached to your Initial Statement. Each separate diversion point should be reported on separate initial statements. If the property has not been assigned an Assessor's Parcel Number (APN) by the County Assessor, you must provide the public land description to the nearest 40-acre subdivision. If the information is shown on a USGS topographic map, and on your property deed. You may submit a single map showing both the point of diversion and the place of use.

Use one of the following methods to identify the location of the diversion.

Mapping Option: Click on the map button to select the location of your Point of Diversion (POD). Add a marker on the map as close to the actual water source as possible.

Prescreen	<input type="button" value="Map"/>
Point of Diversion APN	<input type="text"/>
County	<input type="text"/>
Lat/Long	<input type="text"/> <input type="text"/>

Latitude / Longitude Measurements:

Lat/Long	<input type="text"/>	<input type="text"/>
----------	----------------------	----------------------

eWRIMS

public2.waterboards.ca.gov/MT/Scripts/Map/dwr/screen.html?sid=0

You must be zoomed in closer to continue. Click the '+' button to zoom the map closer. Click this [link](#) for more assistance.

Plot Your Water Diversion

Zoom to an address:

Enter address, city or zipcode

Or

Use + / - buttons to navigate to your location.

You must zoom in until the 'Next' button is active (turns white/blue) to plot your diversion.

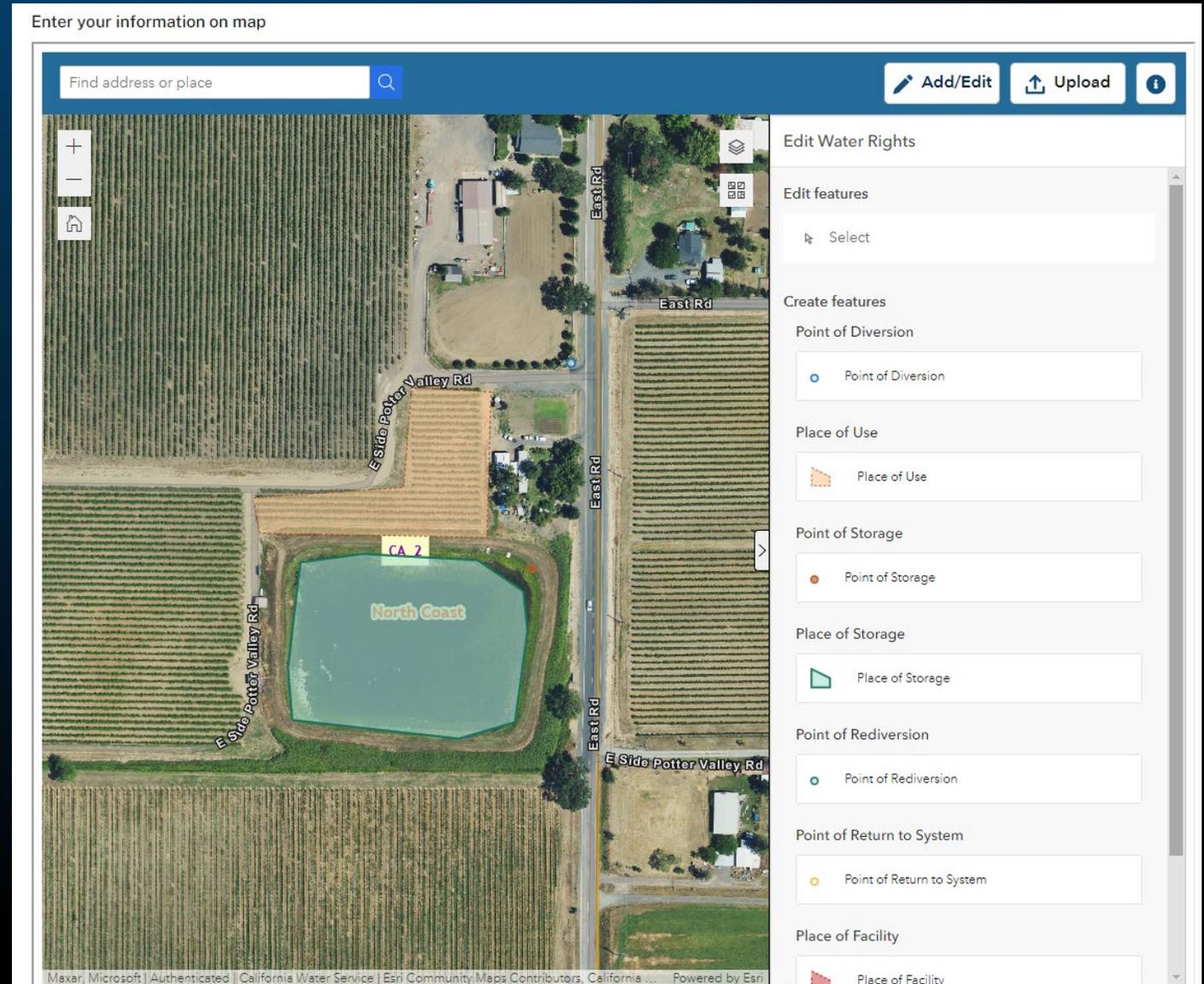
Next

The screenshot displays a web browser window with a map of California and Nevada. A search overlay is active, prompting the user to enter an address. A red text box on the left provides instructions to zoom in closer. The map shows major cities like Sacramento, San Francisco, Fresno, and Los Angeles, along with various highways and geographical features. The 'Next' button is currently greyed out, indicating that the user needs to zoom in further.

CalWATRS – GIS

GIS Features in Applications

- Ability to plot points and areas
- Collects GIS features for staff to review and accept
- GIS attributes automatically added to each feature based on location (Geo-enrichment)



CalWATRS – Map Digitization

- Combination of digitization and GIS
- Pilot for geolocating and visualizing paper maps using GIS
- Can be used to create digital features such as places of use, that only exist on paper

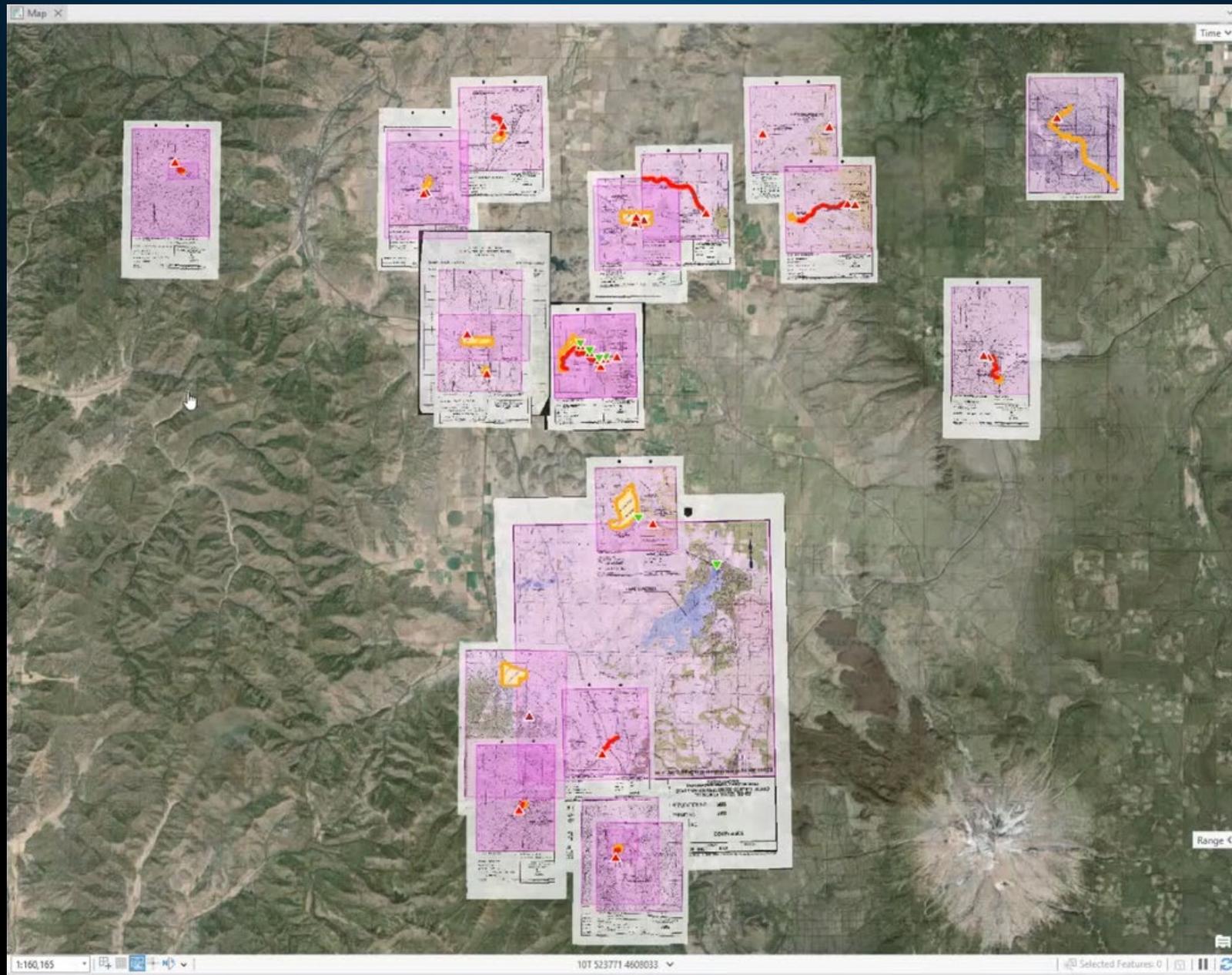
CalWATRS – Map Digitization

Features for Digitization

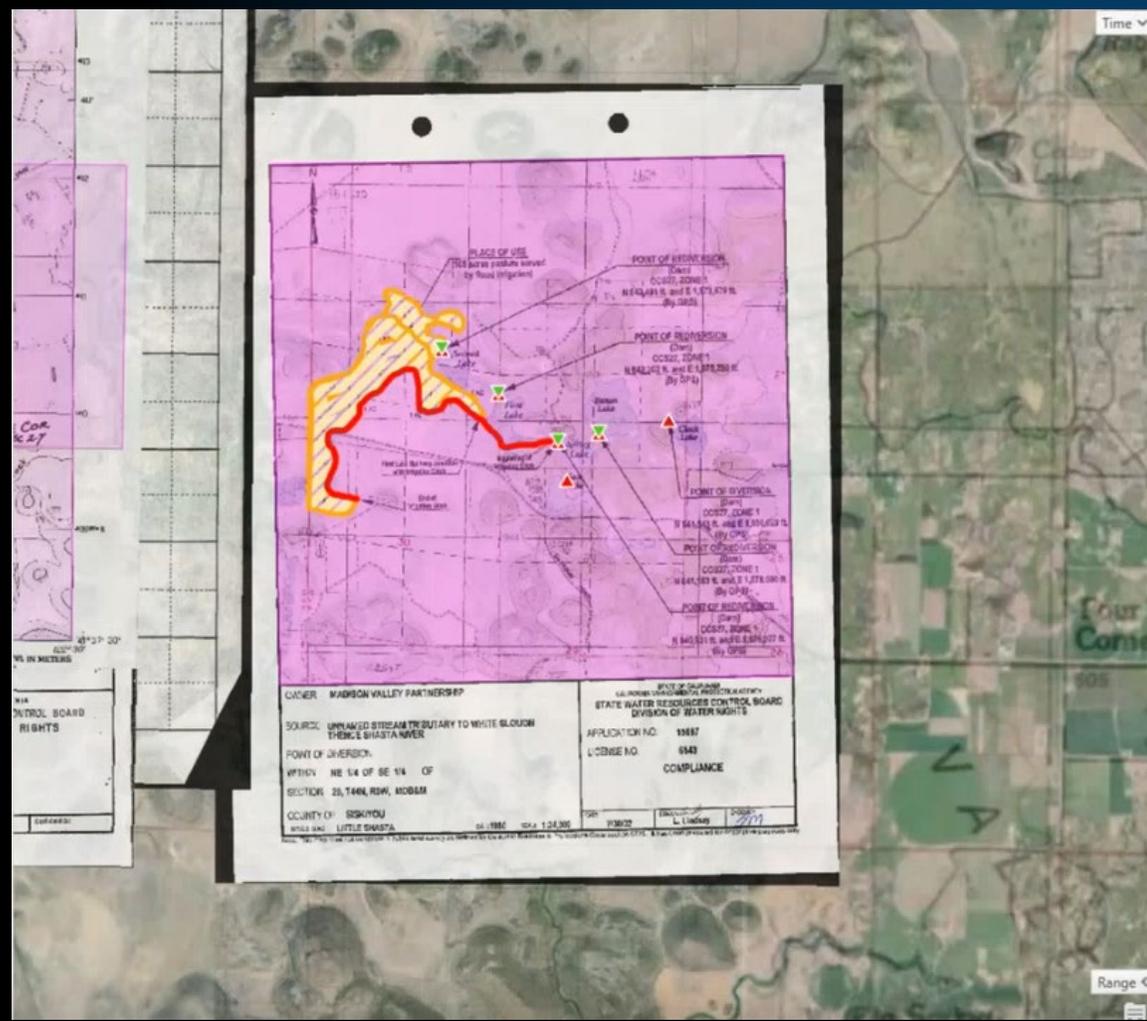
**if clearly drawn*

- Place of Use (area)
- Points of Diversion
- Points of Rediversion
- Lines of Conveyance
- Map Image Footprint (area)

CaWATRS – Map Digitization



CaIWATRS – Map Digitization



CalWATRS – Map Digitization

Find address or place

Map interface showing a satellite view of a region with digitized red lines and blue dots. The map includes labels for 'Little Shasta' and 'Steamboat Lake'. A search bar at the top contains the text 'Find address or place'. A timeline slider at the bottom indicates the period from 3/17/1993 7:00:00 PM to 3/17/2004 7:00:00 PM, with a blue bar representing the active time range.

3/17/1993 7:00:00 PM - 3/17/2004 7:00:00 PM

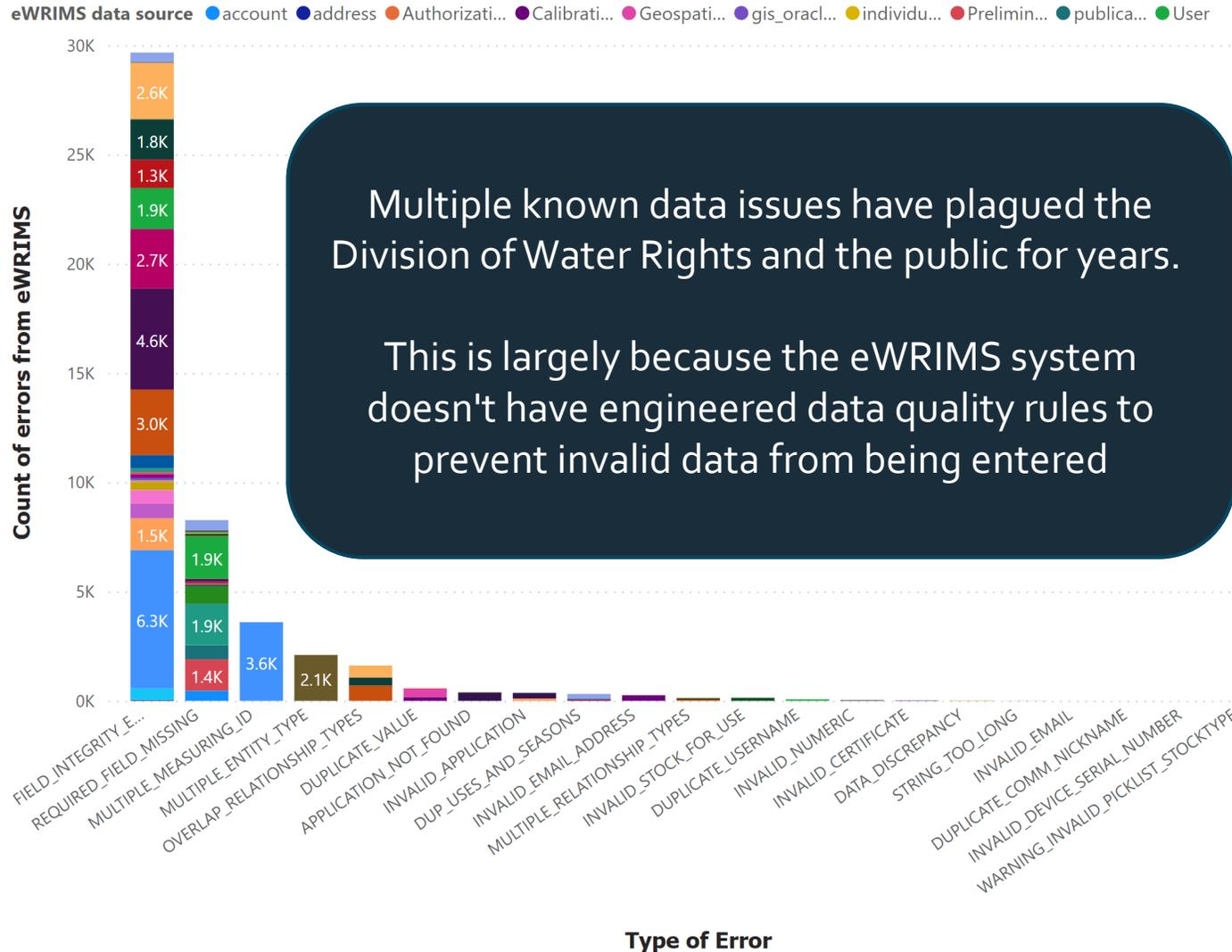
1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004

Data Quality Issues:

Identification
Remediation
Prevention

eWRIMS – Data Issue Identification

Count of eWRIMS errors



eWRIMS Data Source	Number of Errors
v_all_annual_report_device	9941
v_appropriative_pod	4633
v_appropriative_parties	3832
v_party_address	3819
v_statement_parties	3166
v_appropriative_uses	2843
v_registration_parties	2234
v_party_accounts	2128
V_ALL_PAYMENTS	2057
v_all_annual_report_water_use	1559
PreliminaryApplicationRef	1426
v_registration_pod	1332
v_statements_uses,v_statement	1109
s_initial	820
v_all_petition	820
v_ewrims_flat_file	763
V_ALL_ANNUAL_REPORTS	671
v_all_protest	666
publicapplicationparticipant	650
v_all_comments_application	619
v_all_annual_fees	531
account	473
CalibrationAccount	428
GeospatialFeatures	406
v_all_comments_investigations	363
v_registration_uses	292
v_statements_pod	209
v_all_comments_uses	187
v_all_comments_points_of_dive	92
rsion	92
v_all_notices	74
User	72
Total	47643

CaIWATRS – Data Issue Remediation

▲ There are data quality errors either within this record or its associated child records. [Hide Errors](#)

Record Id	Error Code	Target Table	Error Message
BLA-0000147018	WARNING_FIELD_MISSING	BusinessLicenseApplication	The staff user who created or last updated this record is unknown
AP-0001503363	WARNING_FIELD_MISSING	PublicApplicationParticipant	The staff user who created or last updated this record is unknown
BLA-0000147018	WARNING_FIELD_MISSING	BusinessLicenseApplication	The data that the application was submitted to the state is unknown or was missing from the legacy database
UNNAMED	WARNING_FIELD_MISSING	GeospatialFeatures	pod_name is Null
RU-1868095	FIELD_INTEGRITY_EXCEPTION	WR_Reported_Use_c	Referential Integrity failed on Asset

Page 1 of 10 < 1 2 3 4 5 >

- Staff side data warnings (flags) allow for easy remediation of issues that are identified
- Establishes conversation between staff and public to flag/resolve data issues



CaIWATRS – Data Issue Prevention



October 2022 (Acre-feet)

Enter a valid value.

November 2022 (Acre-feet)

December 2022 (Acre-feet)

The number is too low.

January 2023 (Acre-feet)

- Salesforce will prevent some "bad" data from being entered using a system of data validations

eWRIMS vs. CalWATRS Summary

1. Ownership Change
 - Streamlined modern interface (e.g. TurboTax!)
2. Geospatial Information
 - Interactive GIS interface
 - Paper -> GIS maps
3. Data quality
 - Remediation of old records, prevention of bad data in new records



Break 10 mins

Feedback Assessment From Last Meeting

- 121 pieces of feedback received
- Common themes include:
 - Requests for better instructions and guidance
 - SB88/Telemetry ideas
 - Data quality recommendations
 - Ease of system use improvements

Feedback Assessment From Last Meeting (Cont.)

- **Instructions and Guidance**
 - CalWATRS will guide the reporter according to their reporting requirements and provide help text along the way.
 - CalWATRS will have a data dictionary that describes pertinent information about the data fields.

Feedback Assessment From Last Meeting (Cont.)

- **Senate Bill 88 – Telemetry**
 - CalWATRS will be able to collect telemetered data
 - Raw and curated data will be accepted and displayed similar to USGS stream gaging data

Feedback Assessment From Last Meeting (Cont.)

- **Data Auto-population**
 - CalWATRS will auto-populate the common (static) data elements that were previously reported, including converted data from eWRIMS
 - Logic (rules) will determine which data elements are auto-populated

Feedback Assessment From Last Meeting (Cont.)

- **Data Quality Assurance and Control**
 - CalWATRS will provide front-end QA (e.g. valid values) and back-end system logic (rules) to ID data quality issues.
 - CalWATRS new data model better accommodates complex water rights and shared POD.

Advisory Group Feedback Time!



Mentimeter

Instructions

Go to

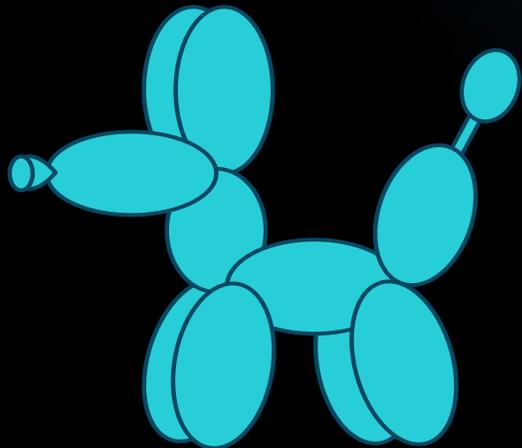
www.menti.com

Enter the code

1154 9174



Or use QR code





UPWARD Meeting

Questions and Open Discussion

Zoom: Raise your hand

*Phone: Press *9 to raise/lower your hand and *6 to unmute*

Closing Comments

- Mentimeter will be open for another 5 days if you have new thoughts!
 - Copy the Mentimeter link in the chat if you want to submit something after the meeting
- Reach out to us at UPWARD@waterboards.ca.gov anytime
- Next meeting will be in approximately 6 months, once MVP is complete (Demo time!)
- Thank you!!!