



eWRIMS Training Workshop-Public Users

Electronic Water Rights Information
Management System
State Water Resources Control
Board

Division of Water Rights
and
Division of Information Technology
1001 I Street
Sacramento, Ca 95814

Agenda

- Introductions
- Project Background
- eWRIMS
- GIS
- Wrap-Up

Background

➤ eWRIMS Objectives

- Phase I

- Replace WRIMS
- Build Enterprise GIS System
- Institute Workflow Tracking

- Phase II

- Automate Billing
- Reporting and Electronic Submittal

➤ Phase I Implementation 10/01/2007

Vocabulary

- eWRIMS-The New Electronic Water Rights Information Management System
- WRIMS-The Legacy Water Rights Information Management System
- GIS-Geographical Information System
- APP ID-Water Right Application ID
- DWR-Division of Water Rights

eWRIMS Functionality

- System Access from DWR homepage
 - <http://www.waterrights.ca.gov/>
 - OR
 - <http://www.waterboards.ca.gov/ewrims>
 - No log in
- Execute Water Right Search Queries
- Download Search Results
- Map Search Results

eWRIMS Public Menu



e-WRIMS Public Menu

- [Water Right Search](#)
- [Water Right Reports](#)
- [Water Right Notices](#)
- [Water Right Petitions](#)
- [Fully Appropriated Streams and Adjudicated Water Rights](#)
- [Water Rights Home Page](#)

- [Frequently Asked Questions Page](#)
- [Public Help Page](#)

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Water Right Search

e-WRIMS Water Right Search

Enter query criteria below and click "Search".

Water Right Status: <small>(Ctrl-click to select multiple values)</small>	Inactive Licensed Pending Permitted
Water Right Type: <small>(Ctrl-click to select multiple values)</small>	Appropriative Cert of Right - Power Federal Filings Groundwater Recordation
Entity Type: <small>(Ctrl-click to select multiple values)</small>	Corporation Government - Federal Government - State and Local Individual
Application ID:	A%2283
Watershed:	
County: <small>(Ctrl-click to select multiple values)</small>	Contra Costa Del Norte El Dorado Fresno
Name (of Primary Water Holder):	
Source (River name or Source Name):	

Search Results-Sorted by App ID

e-WRIMS Water Right Search Results

Criteria: Displaying Water Rights where Application Number like *A%2283*; Water Right Status = Licensed; Water Right Type = Appropriative.

Search Results: previous 1-7 of 7 next

Application ID	Permit ID	License ID	Water Right Type	Status	Holder Name	Date	Description	Face Amt	County	Source	Map It	Export to Excel
A02283	000931	000354	Appropriative	Licensed	LUCKY TEN RANCH	05/15/1924	Migrated data from old WRIMS system.	602.2 acre-ft/yr	Madera, Tulare	CROOK CREEK, FREEMAN CREEK	Map It	Export to Excel
A022830	015856	010232	Appropriative	Licensed	U S MENDOCINO NATL FOREST	06/19/1967	Migrated data from old WRIMS system.	3.2 acre-ft/yr	Butte	FEATHER RIVER	Map It	Export to Excel
A022831	015725	010298	Appropriative	Licensed	WILLIAM BERRY	06/23/1967	Migrated data from old WRIMS system.	324 acre-ft/yr	Mono	UNSP	Map It	Export to Excel
A022832	015726	010297	Appropriative	Licensed	WILLIAM BERRY	06/23/1967	Migrated data from old WRIMS system.	302 acre-ft/yr	Butte	FEATHER RIVER	Map It	Export to Excel
A022834	015538	010213	Appropriative	Licensed	JOAN CONNELL EGAN	06/26/1967	Migrated data from old WRIMS system.	30.5 acre-ft/yr	El Dorado	UNSP	Map It	Export to Excel
A022836	015521	009638	Appropriative	Licensed	EST OF HOMER E PETERSON	03/17/1971	Migrated data from old WRIMS system.	16 acre-ft/yr	Alameda	UNST	Map It	Export to Excel
A022838	015679	010649	Appropriative	Licensed	NEGOCIANTS USA INC	06/29/1967	Migrated data from old WRIMS system.	118 acre-ft/yr	El Dorado	LAKE TAHOE	Map It	Export to Excel

[Return to Water Right Public Search Form](#)

[Download to Excel](#)

[Map It](#)

Click Column Title to Change Sort

e-WRIMS Water Right Search Results

Criteria: Displaying Water Rights where Application Number like '*A%2283*'; Water Right Status = Licensed; Water Right Type = Appropriative.

Search Results: previous 1-7 of 7 next

Application ID	Permit ID	License ID	Water Right Type	Status	Holder Name	Date	Description	Face Amt	County	Source	Map It	Export to Excel
A002283	000931	000354	Appropriative	Licensed	LUCKY TEN RANCH	05/15/1924	Migrated data from old WRIMS system.	602.2 acre-ft/yr	Butte, Contra Costa	DRAINAGE DIST 100 MAIN DRAIN	Map It	Export to Excel
A022836	015521	009638	Appropriative	Licensed	EST OF HOMER E PETERSON	03/17/1971	Migrated data from old WRIMS system.	16 acre-ft/yr	Lake	WEST LINKLATOR SPRING	Map It	Export to Excel
A022834	015538	010213	Appropriative	Licensed	JOAN CONNELL EGAN	06/26/1967	Migrated data from old WRIMS system.	30.5 acre-ft/yr	Madera	UNST	Map It	Export to Excel
A022838	015679	010649	Appropriative	Licensed	NEGOCIANTS USA INC	06/29/1967	Migrated data from old WRIMS system.	118 acre-ft/yr	Napa	BALE SLOUGH	Map It	Export to Excel
A022830	015856	010232	Appropriative	Licensed	U S MENDOCINO NATL FOREST	06/19/1967	Migrated data from old WRIMS system.	3.2 acre-ft/yr	Tehama	UNSP	Map It	Export to Excel
A022831	015725	010298	Appropriative	Licensed	WILLIAM BERRY	06/23/1967	Migrated data from old WRIMS system.	324 acre-ft/yr	Trinity	EAST FORK HAYFORK CREEK	Map It	Export to Excel
A022832	015726	010297	Appropriative	Licensed	WILLIAM BERRY	06/23/1967	Migrated data from old WRIMS system.	302 acre-ft/yr	Trinity	SIMMS CREEK	Map It	Export to Excel

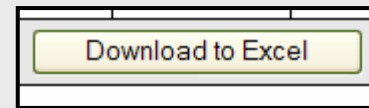
Return to Water Right Public Search Form Download to Excel Map It

Working with Search Results

➤ Excel

- Download Table to Excel-Use Button

- Sample 1



- Export Line Item Record Detail to Excel

- E.g. Application Info, Party's, POD's, Uses
- Sample 2

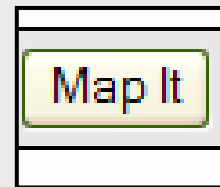


Working with Search Results

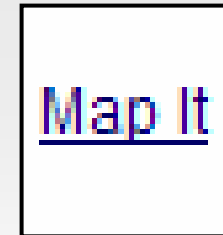
➤ Map It

- Maps Point(s) of Diversion

- Map Table to GIS



- Map Specific Record to GIS



GIS Functionality

- Accessible via 'MapIt' or DWR Homepage
 - <http://www.waterrights.ca.gov/>
- Water Right Search Queries
 - Find by: App ID, Owner, County, Watershed, Stream, PLSS, Trace Queries
- Export Map
- User Selected Map Layers
- Link Back to eWRIMS for Details

GIS System

eWRIMS Web Mapping Application

HOME HELP
FAQ LOG OUT

Toolbar eWRIMS App Filter PODs by Status: No Filter Scale 1: 600000

Navigation

Task Assistant

- Find Water Right by ID
- Find Water Right by Owner
- Find Water Right by County
- Find Water Right by Watershed
- Find Water Right by Stream
- Find Water Right by PLSS
- Query Upstream/Downstream
- Quad Map Lookup
- Export Map

Control Panel

Results

Map It Results:

- Points of Diversion (2)
 - A002283_01
 - A002283_02

Map Contents

Status Window

Selected PODs: 2

Display map

The map displays the state of California with various watersheds outlined in orange and labeled: San Francisco Bay, Central Valley, Central Coast, Lahontan, and Los Angeles. Green lines represent streams or rivers. Two blue 'I' markers indicate Points of Diversion (PODs) in the Central Valley region. The map includes a scale bar at the bottom right showing 50, 25, 0, and 50 Miles.

GIS Basics-Toolbar

➤ Toolbar Functions

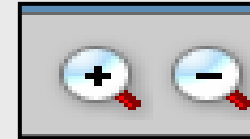
- Place Cursor on Icon to View Function Name
- One Click Turns on the Function
 - Immediately executes *or* requires a click on the map



Zoom/Pan

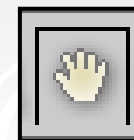
➤ Zoom In/Out

- Click Icon, Click Map
- Click Icon, Drag Draw a Box on the Map
 - Map centers to clicked point
 - Scale Changes



➤ Pan

- Click Icon Once, Drag Cursor on the Map
 - Map pans in cursor direction
 - Retains Scale



Full Extent

- Returns Map to Default Image, State of California
- Click Icon, Automatically Executes

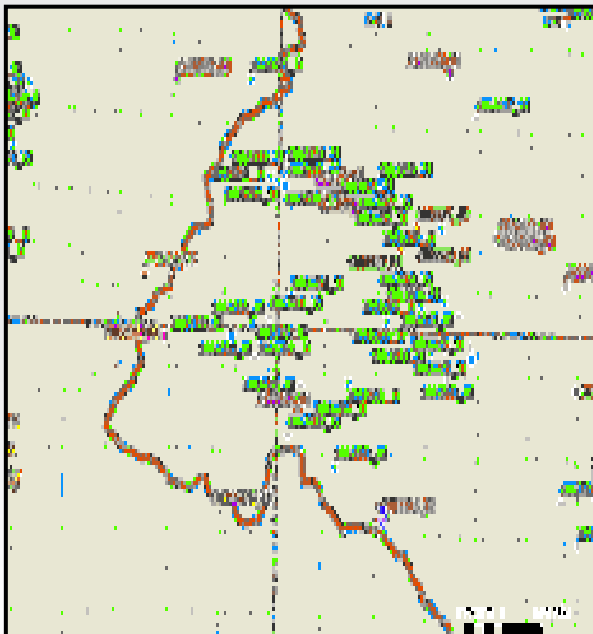


Zoom Previous

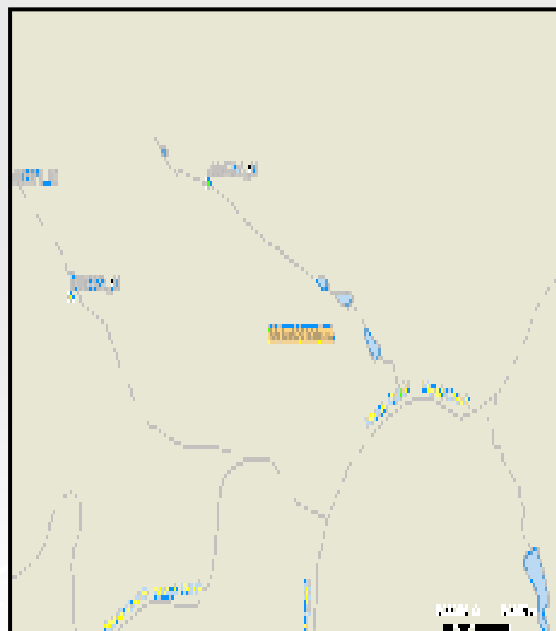
- Returns Map to the Last Zoom Image
- Click Icon, Automatically Executes



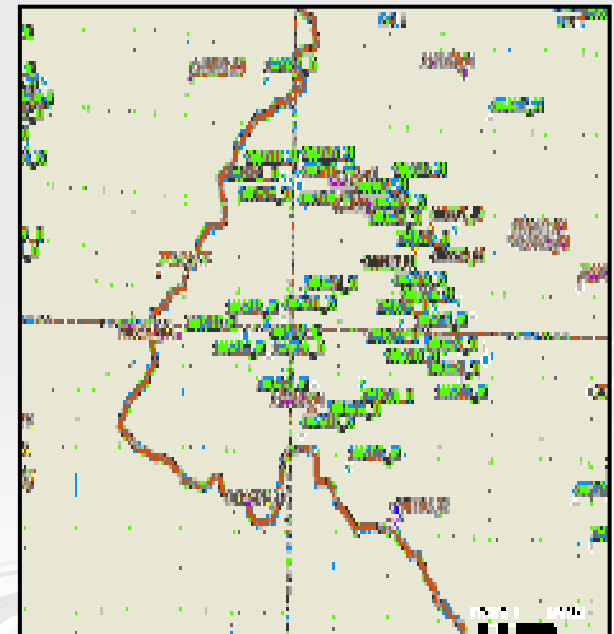
Zoom 1



Zoom 2

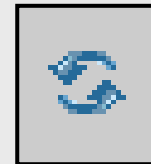


Zoom Previous

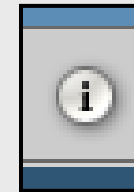


Refresh Map

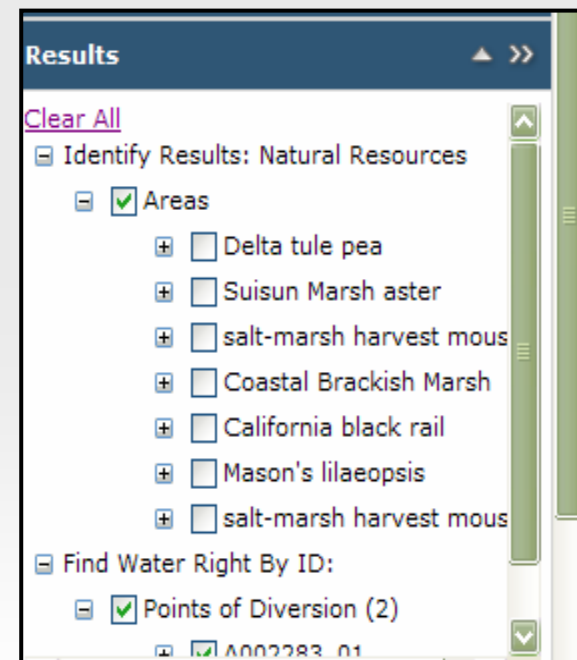
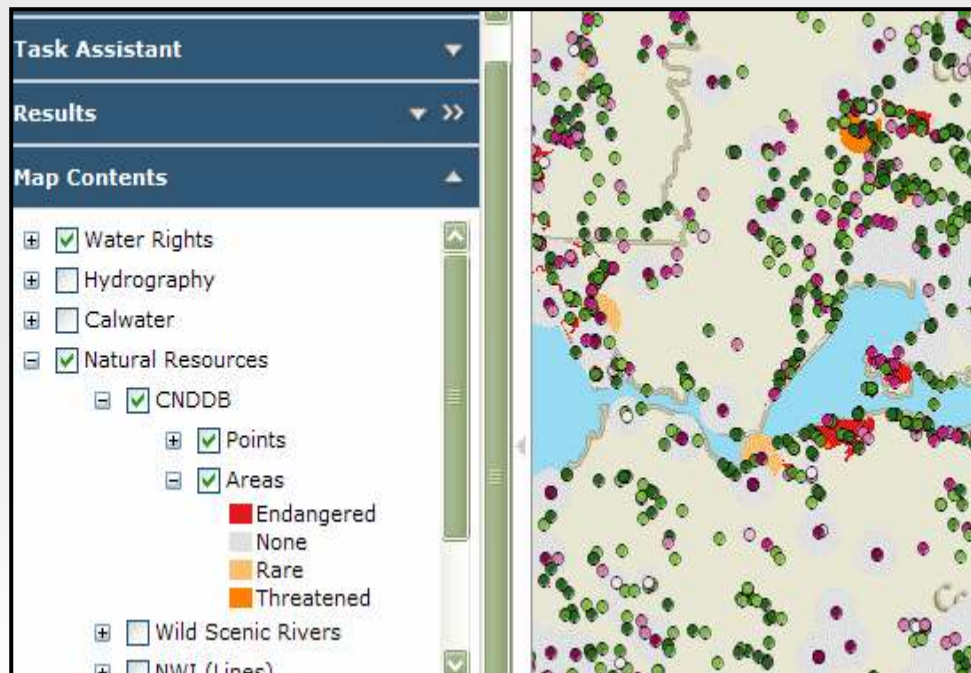
- Redraws Map
- Used to Troubleshoot Map View
- Click Icon, Automatically Executes



Identify

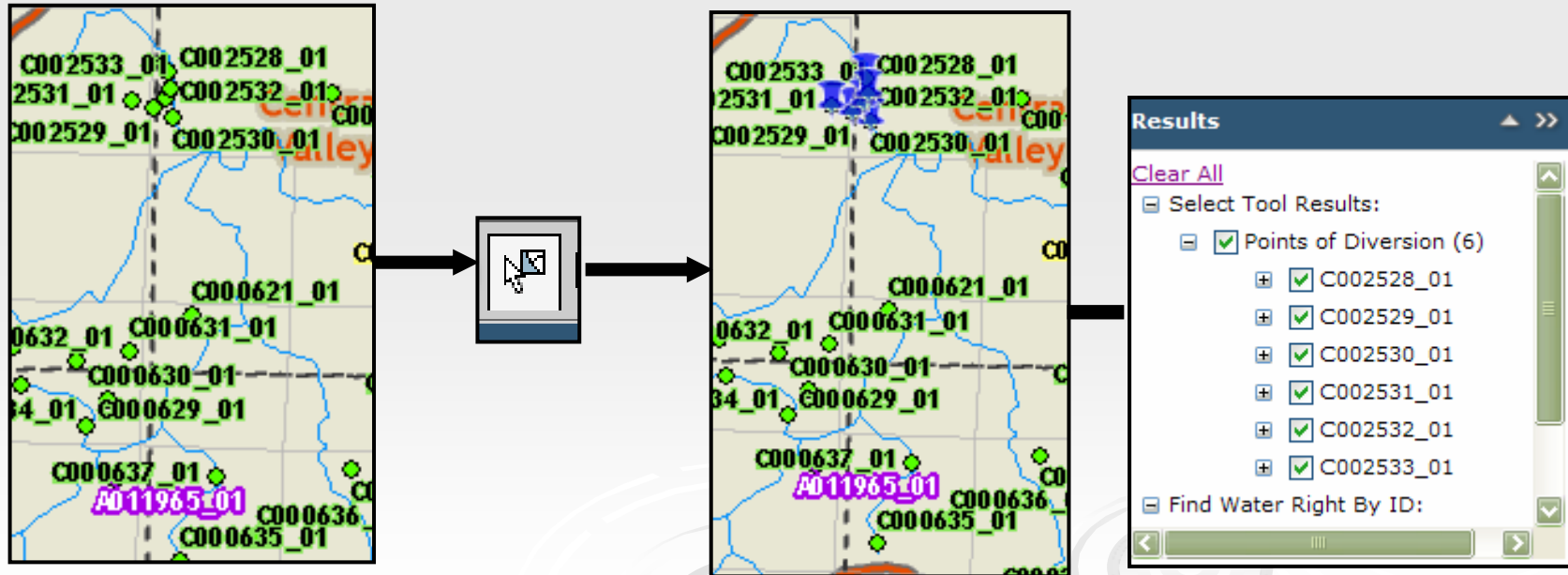


- Obtain Additional Layer Information
- Click Icon, Click on Desired Map Location



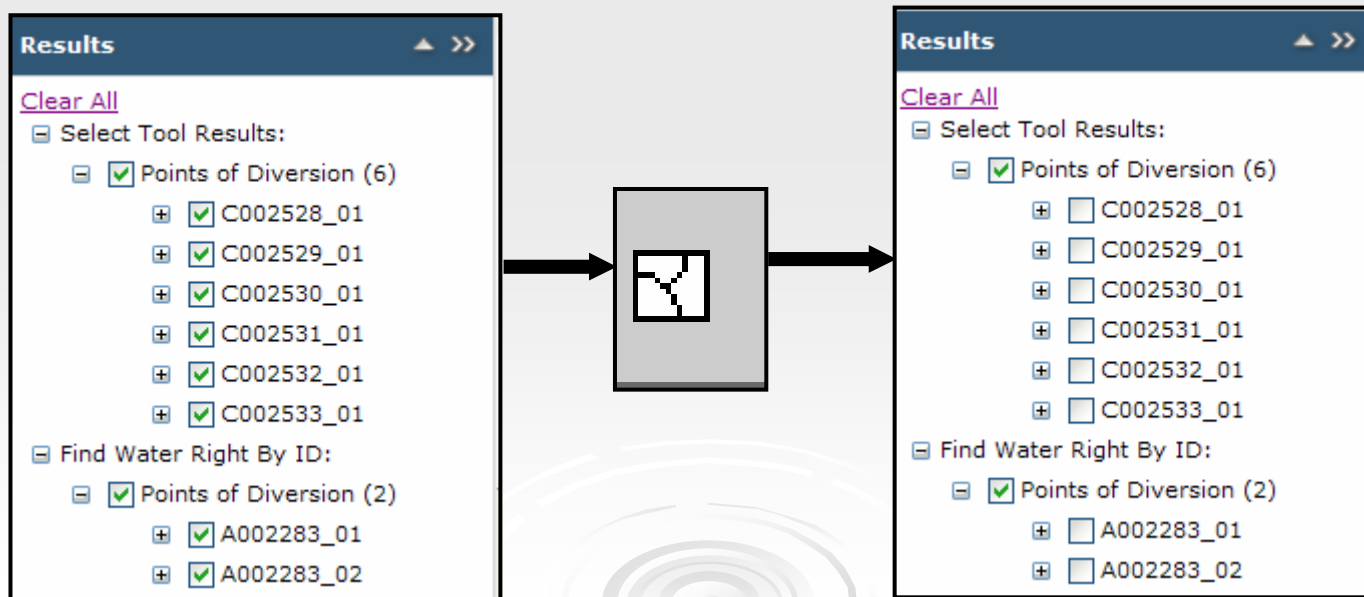
Select POD's

- Click Icon, Drag Draw a Box on the Map
- Selected POD's Located in Results Box




Clear Selected POD's

- De-Selects POD's in the Results Box
- Retains Results List
- Click Icon, Automatically Executes



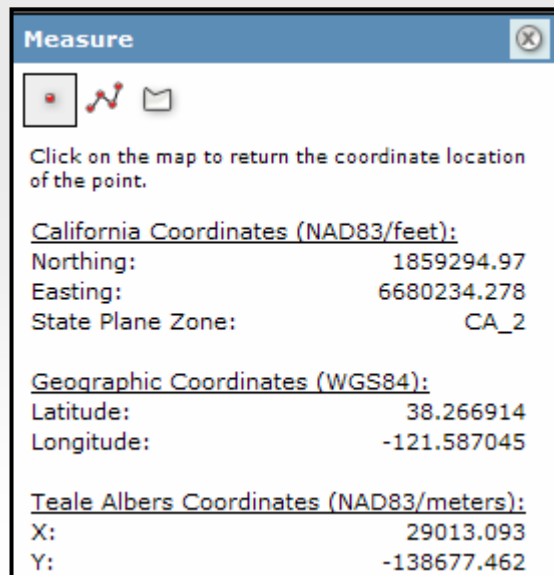
Clear Stream Trace

- Removes the Stream Trace Graphic from the Map
- Click Icon, Automatically Executes 
- Retains Stream Trace Results



Measure

- Retrieve Point Location
- Measure Distance/Area/Perimeter
- Click Icon = Pop-up Box
- Click an Icon in the Pop-up Box



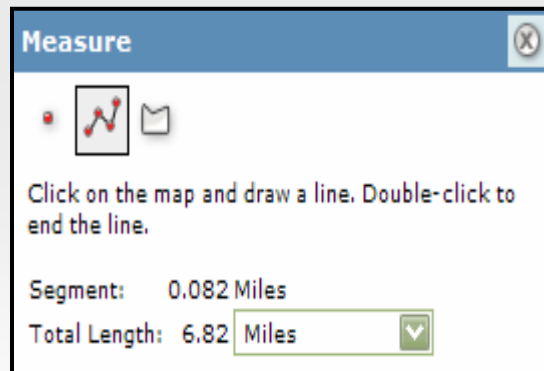
Measure

Click on the map to return the coordinate location of the point.

California Coordinates (NAD83/feet):
Northing: 1859294.97
Easting: 6680234.278
State Plane Zone: CA_2

Geographic Coordinates (WGS84):
Latitude: 38.266914
Longitude: -121.587045

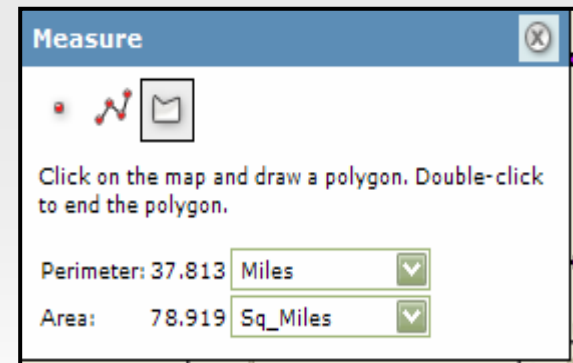
Teale Albers Coordinates (NAD83/meters):
X: 29013.093
Y: -138677.462



Measure

Click on the map and draw a line. Double-click to end the line.

Segment: 0.082 Miles
Total Length: 6.82 Miles



Measure

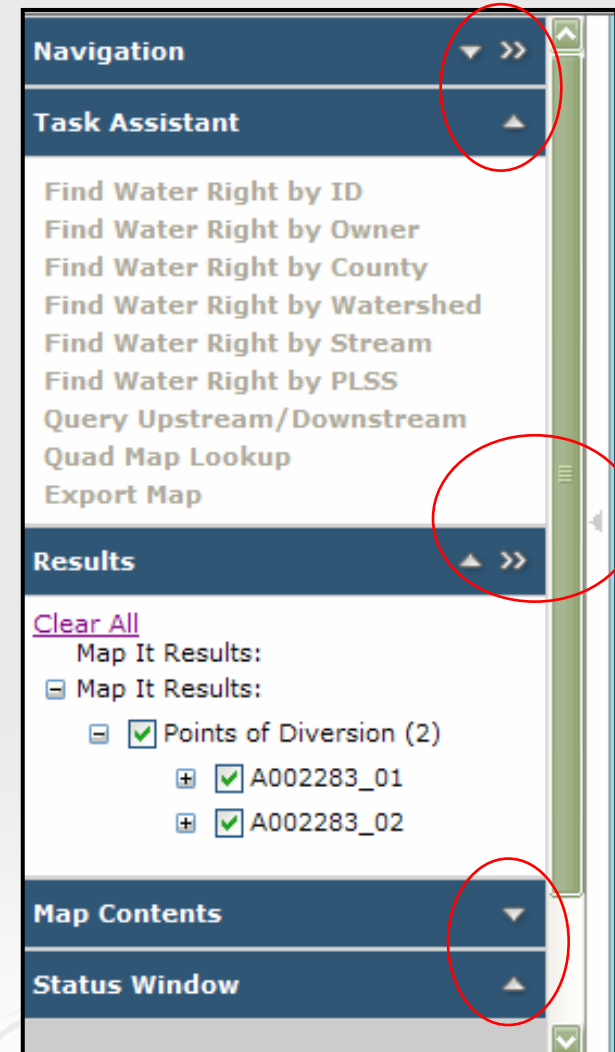
Click on the map and draw a polygon. Double-click to end the polygon.

Perimeter: 37.813 Miles
Area: 78.919 Sq_Miles

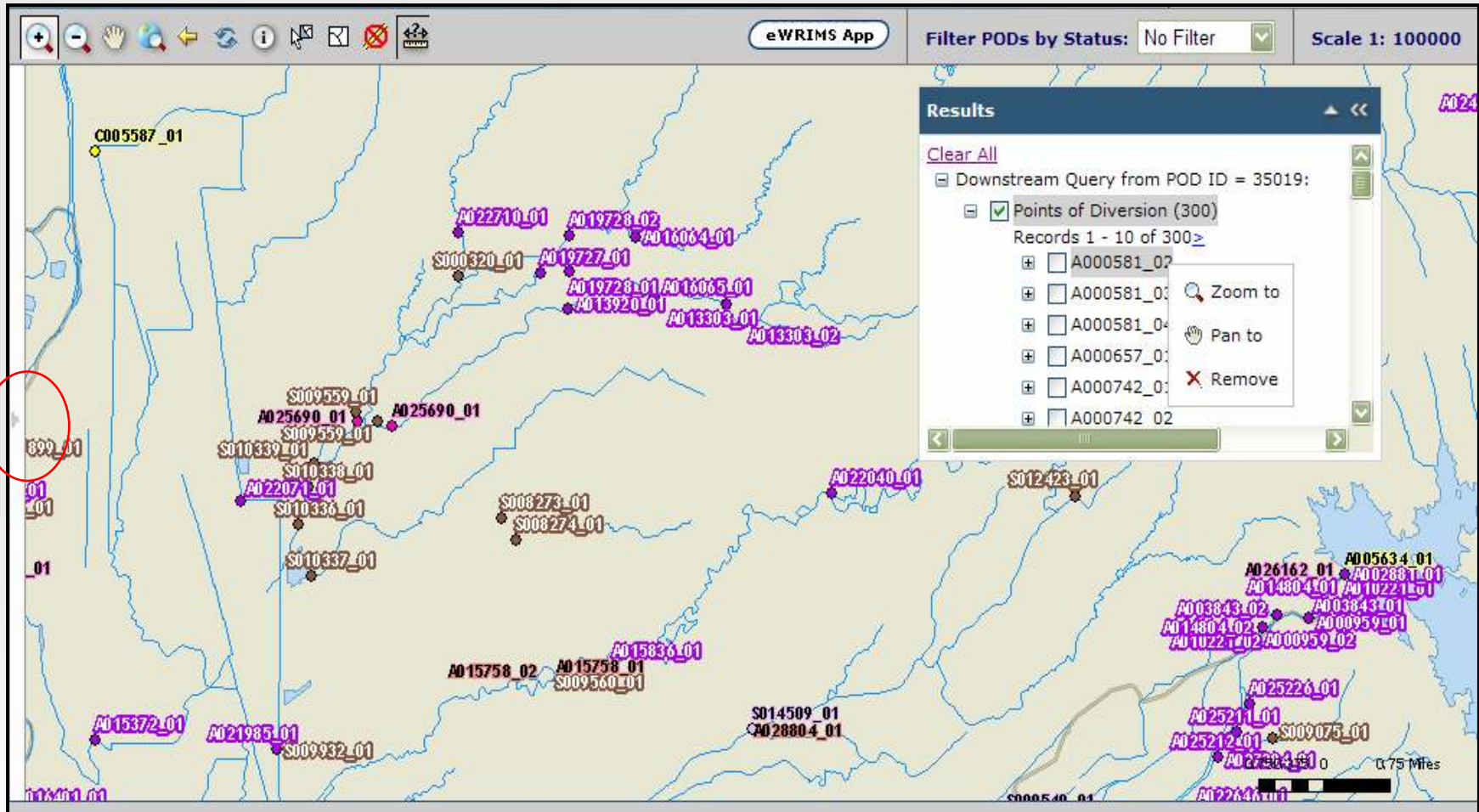
GIS Basics-Control Panel

➤ Customization

- Expand/Collapse Boxes
- Pop-out Boxes
- Collapsible
- Click and drag perimeters

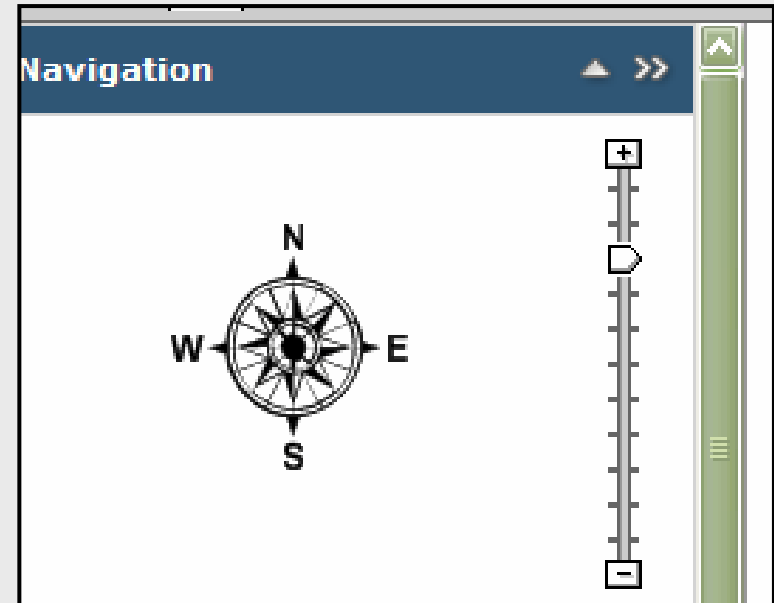


Collapsed Control Panel



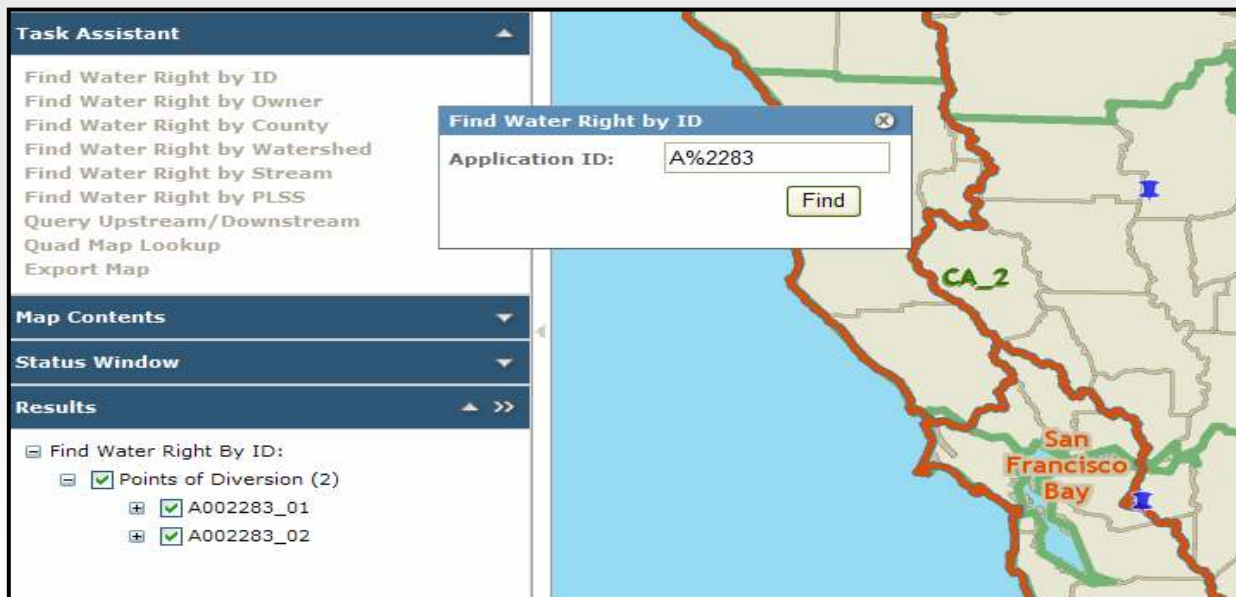
Navigation Box

- Compass
 - Pans in 'clicked' direction
 - Retains Map Scale
- Zoom Bar
 - Click +, -
 - Click tick mark
 - Changes Map Scale



Task Assistant Box

- Queries
- Export Map Images, Print
- Wildcard %
- Results in Results Box



Upstream/Downstream Query

- Requires POD ID
- Upstream Traces Tributaries
- Downstream Does Not Trace Tributaries
- Watershed Limitations

Navigation

Task Assistant

Find Water Right By ID

Find Water Right By ID

Find Water Right By ID

Find Water Right By ID

Find Water Right By ID

Find Water Right By ID

Query Upstream/Downstream

Quad Map Lookup

Export Map

Results

Find Water Right By ID

Points of Diversion (2)

A002283_01

POD_ID	35019
APPL_ID	A002283
APPL_POD	A002283_01
TOWNSHIP_NUMBER	18
TOWNSHIP_DIRECTION	N
RANGE_NUMBER	1
RANGE_DIRECTION	E

Results Box

- Cumulative Results
- Query Results
 - Default = Selected = Graphic
 - Right click to Zoom/Pan/Remove
 - Click + to see detail

Results

Points of Diversion (2)

A002283_01

POD_ID	Zoom to	35019
APPL_ID		A002283
APPL_PO	Pan to	A002283_01
TOWNSH.	Remove	18
TOWNSH_DIRECTION		N
RANGE_NUMBER		1
RANGE_DIRECTION		E
SECTION		14
SECTION_CLASSIFIER		
QUARTER		NE
QUARTER_QUARTER		NE
MERIDIAN		Mount Diablo
NORTHING		2279187.98590368

WEST OF BIGGS

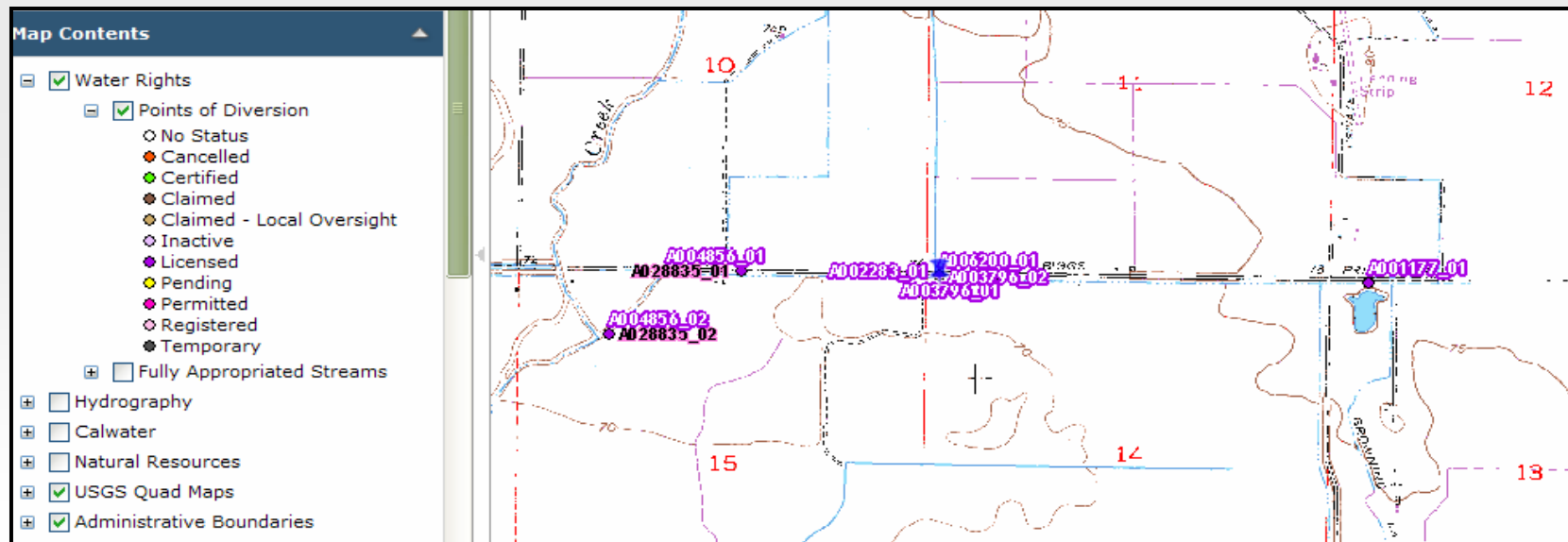
018N001E015M

018N001E014M

0.2 0.1 0 0.2 Miles

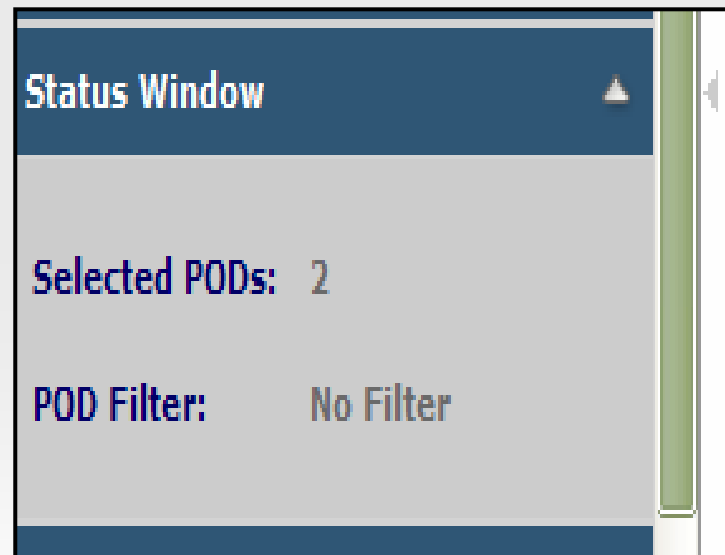
Map Contents Box

- User Activated Map Layers
 - Scale Dependant
- Map Layer Legend
 - Layer Detail
 - Click + to see specific layer legend

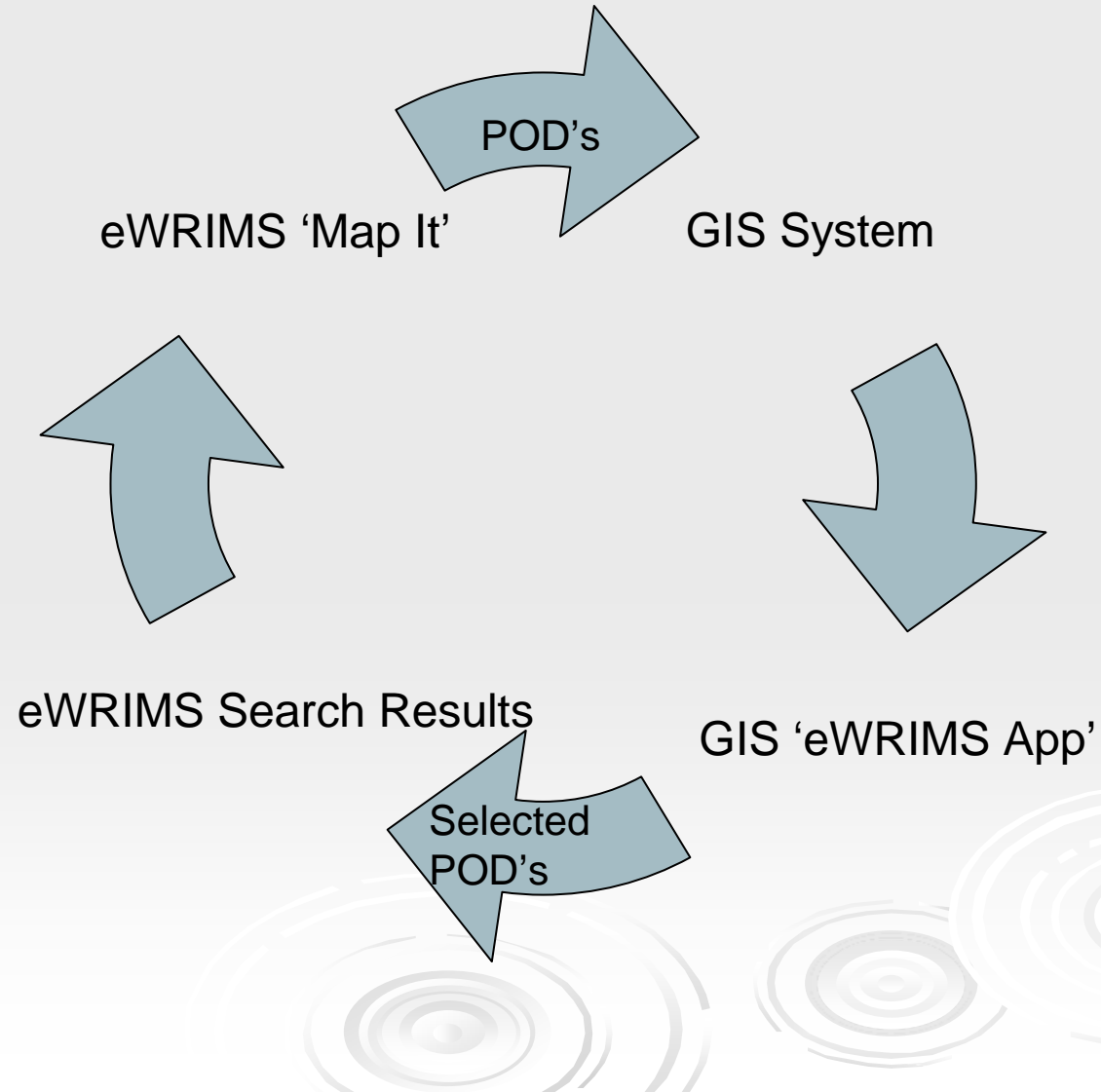


Status Window Box

- Displays Number of Selected POD's
- Displays POD Filter



eWRIMS/GIS Interface



Link to eWRIMS

The screenshot displays a GIS application interface. At the top, a toolbar contains various navigation and tool icons. A red circle highlights the "eWRIMS App" button. To its right, there is a "Filter PODs by Status:" dropdown menu set to "No Filter" and a "Scale 1:" label. Below the toolbar is the "Task Assistant" panel, which lists several search and query tools such as "Find Water Right by ID", "Find Water Right by Owner", "Find Water Right by County", "Find Water Right by Watershed", "Find Water Right by Stream", "Find Water Right by PLSS", "Query Upstream/Downstream", "Quad Map Lookup", and "Export Map". Below the Task Assistant is the "Results" panel, which includes a "Clear All" button and two sections: "Select Tool Results:" and "Map It Results:". Both sections show a list of "Points of Diversion" with checkboxes and expandable icons. The "Select Tool Results:" section shows 4 points of diversion, and the "Map It Results:" section shows 2 points of diversion. The main map area displays a network of water rights (PODs) overlaid on a map of land parcels. The parcels are labeled with PLSS identifiers such as E009M, E016M, 018N001E010M, 018N001E015M, 018N001E011M, and 018N001E014M. The map also shows "Little Dry Creek" and "West of Biggs". Several PODs are highlighted in purple, with labels like A004856_01, A028835_01, A004856_02, A028835_02, A006200_01, A003796_01, A003796_02, A003796_02, A003796_01, and A001172. The map also shows "Little Dry Creek", "West of Biggs", and "Browning Lateral".

Selected POD's Passed to eWRIMS

e-WRIMS Water Right Search Results

Criteria: Displaying Water Rights where POD ID in (35019,29408,29409).

Search Results: previous 1-2 of 2 next

Application ID	Permit ID	License ID	Water Right Type	Status	Holder Name	Date	Description	Face Amt	County	Source	Map It	Export to Excel
A002283	000931	000354	Appropriative	Licensed	LUCKY TEN RANCH	05/15/1924	Migrated data from old WRIMS system.	602.2 acre-ft/yr	Madera, Tulare	CROOK CREEK, FREEMAN CREEK	Map It	Export to Excel
A003796	001681	000636	Appropriative	Licensed	LUCKY TEN RANCH	10/27/1927	Migrated data from old WRIMS system.	230.6 acre-ft/yr	El Dorado, Yolo	SACRAMENTO RIVER, UNCR	Map It	Export to Excel

[Return to Water Right Public Search Form](#)

[Download to Excel](#)

[Map It](#)

eWRIMS Public Menu



e-WRIMS Public Menu


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- [Water Right Reports](#)
- [Water Right Notices](#)
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- [Fully Appropriated Streams and Adjudicated Water Rights](#)
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- [Frequently Asked Questions Page](#)
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Water Right Reports

California Home
Monday, August 27, 2007



[Home](#)

[Board Business](#)

[Laws/Regulations](#)

[News/Media Info](#)

[Water Education](#)

[Water Quality](#)

[Water Rights](#)

Water Rights Links:

[Applications/Petitions](#)

[Bay-Delta](#)

[Complaints](#)


[Hearings](#)

[Water Quality Certification](#)

[Water Rights and Water Quality Certification Fees](#)

[Water Transfers](#)

[Regional Boards](#)



California Environmental Protection Agency
STATE WATER RESOURCES CONTROL BOARD
WATER RIGHTS

My CA
 This Site

Monthly Progress Report

The Division of Water Rights currently tracks nine categories of work product activities: Permitting, Licensing, Petitions, Transfers, Monitoring and Reporting, Enforcement, Water Quality Certifications, Adjudicatory and WRIMS Data Verification. This monthly tracking information is being disseminated to the general public via the "Monthly Progress Report", "Applications Processing/Petition Processing Workload" charts posted on this website.

[| Application Processing Workload |](#)
[| Pending Petition Workload |](#)

MONTHLY PROGRESS REPORTS FISCAL YEAR 2006-2007			
July	October	January	April
August	November	February	May
September	December	March	June

MONTHLY PROGRESS REPORTS FISCAL YEAR 2005-2006			
July	October	January	April
August	November	February	May

Water Right Notices

The screenshot shows the homepage of the California State Water Resources Control Board. At the top, there is a blue navigation bar with "California Home" on the left and "Monday, August 27, 2007" on the right. Below this is a banner with the text "Welcome to California" and a collage of images including the Golden Gate Bridge, a sunset, a river, and a water drop. The main content area features the California Environmental Protection Agency logo and the text "STATE WATER RESOURCES CONTROL BOARD WATER RIGHTS". To the right of this is a search box and radio buttons for "My CA" and "This Site". Below the main header is a blue bar with the text "Water Right Public Notices". Underneath this bar is a list of links for various notice types. On the left side of the page, there is a vertical menu with links for "Home", "Board Business", "Laws/Regulations", "News/Media Info", "Water Education", "Water Quality", "Water Rights", "Water Rights Links:", "Applications/Petitions", "Bay-Delta", "Complaints", "Hearings", "Water Quality Certification", "Water Rights and Water Quality Certification Fees", "Water Transfers", and "Regional Boards".

California Home Monday, August 27, 2007

Welcome to *California*

California Environmental Protection Agency
STATE WATER RESOURCES CONTROL BOARD
WATER RIGHTS

search
My CA This Site

Water Right Public Notices

- [Application Notices](#)
- [Petition Notices](#)
- [Transfers and Temporary Urgency Actions Notices](#)
- [Hearing and Workshop Notices](#)
- [Bay Delta Program Notices](#)
- [Livestock Stockpond Registration Notices](#)
- [Small Domestic Use Registration Informational List](#)

Water Rights Links:

- [Applications/Petitions](#)
- [Bay-Delta](#)
- [Complaints](#)
- [Hearings](#)
- [Water Quality Certification](#)
- [Water Rights and Water Quality Certification Fees](#)
- [Water Transfers](#)
- [Regional Boards](#)

Water Right Petitions

California Home Monday, August 27, 2007

Welcome to *California*


California Environmental Protection Agency
STATE WATER RESOURCES CONTROL BOARD
WATER RIGHTS

My CA This Site

Notices of Petitions

Please note: Protest period for all standard petition notices is 30 days.
(updated 8/23/07)

Petitioner	Petition Notice Date	County
Reclamation District No. 108 Application: 576, 763, 1589, and 31436 [Notice] [Petition] [Environmental Info.] [Photos]	8/23/07	Yolo, Colusa
Sweetwater Springs Water District Application 24929 [Notice] [Petition] [Map]	8/16/07	Sonoma
Abbe Family Trust Application 24544 [Notice] [Petition] [Map] [Photos]	8/16/07	Sonoma
David Martinellie, et al. Application 31021 [Notice] [Petition] [Application] [Map] [Photos]	8/9/07	Sonoma

[Home](#)
[Board Business](#)
[Laws/Regulations](#)
[News/Media Info](#)
[Water Education](#)
[Water Quality](#)
[Water Rights](#)

Water Rights Links:
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[Water Rights and Water Quality Certification Fees](#)
[Water Transfers](#)

[Regional Boards](#)

Fully Appropriated Streams and Adjudicated Water Rights



Fully Appropriated Streams List



Click here to download the SWRCB's Fully Appropriated Streams List (Appendix A of [Order 98-08](#)):

FAS List

This file is in Adobe pdf format and is approximately 467 KB. Your system needs a pdf viewer to view or print the FAS List.



The following tables contain links to download schematics which delineate the Critical Reach of Stream Systems which have been declared by the SWRCB to be Fully Appropriated.

County	JPEG File Size
Alameda	24 KB
Alpine	30 KB
Amador	27 KB
Butte	35 KB
Colusa	22 KB

County	JPEG File Size
Orange	25 KB
Placer	33 KB
Plumas	34 KB
Riverside	26 KB
Sacramento	22 KB

Wrap Up

➤ Obtain Further Information

- Training Workbook
 - GIS Skill Review
- DWR's Website
 - <http://www.waterrights.ca.gov/>

➤ Contact Us:

- ewrims@waterboards.ca.gov
- (916) 341-5300