

SGMA GSA Water Dashboard



The GSA Water Dashboard is a tool that empowers our landowners to strategically respond to the Sustainable Groundwater Management Act (SGMA) by delivering key water use insights at the farm level.

Water Account Summary Table									
Groundwater Sustainability Agency		Total Usage (ET) as of 2023-10-30	Sustainable Supply	Transitional Supply	Usage Stats		Parcel Acres	Field Acres	
Greater Kaweah GSA Billing Period (Oct 23 - Sep 24)	Usage	127.03 AF	421.91 AF	767.37 AF	2024	127.03 AF	623.55	580.51	0.22 AF/field ac
	Supply				2023	1,763.75 AF			
Mid-Kaweah GSA Billing Period (Oct 23 - Sep 24)	Usage	18.50 AF	99.50 AF	78.34 AF	2024	18.50 AF	78.34	77.16	0.24 AF/field ac
	Supply				2023	222.44 AF			
East Kaweah GSA Billing Period (Oct 23 - Sep 24)	Usage	8.57 AF	96.57 AF	2.84 AF	2024	8.57 AF	56.81	53.35	0.16 AF/field ac
	Supply				2023	103.83 AF			

Sustainable Summary Table		Definitions
GKGSA 2024 (Oct 23 - Sep 24)		
+ Total Water Supply	1,189.28 AF	
+ Sustainable Water Supply	421.91 AF	
Precipitation Credit (100% Efficiency)	5.62 AF	
Total precipitation for (Oct 23 - Sep 24)		
5.62 AF (100%)		
ET Credit	29.70 AF	
Adjustment per rules and regulations		
Sustainable Yield Allocation		
GW: 0.62 AF/parcel ac \$0/AF GW: 386.59 AF		
+ Transitional Water Supply	767.37 AF	
Tier 1 Penalty Allocation		
GW: 0.56 AF/parcel ac \$150/AF GW: 343.77 AF		

WA0000086: Hamar Field & APN Map

+

-

Satellite

Street

Topo

APNs

Your Fields

Visalia

Farmersville

Exeter

Kings

Tulare

- Monthly ET Usage
- Custom Field & Crop Mapping
- GSA Allocation & Costs
- Surface Water Credits
- Fallow Field Adjustments
- Metering Usage Appeals
- Full Account Credit Management
- Online Invoice Access & Download
- Water Credit Transfers



The Water Dashboard is a Comprehensive Solution for GSAs

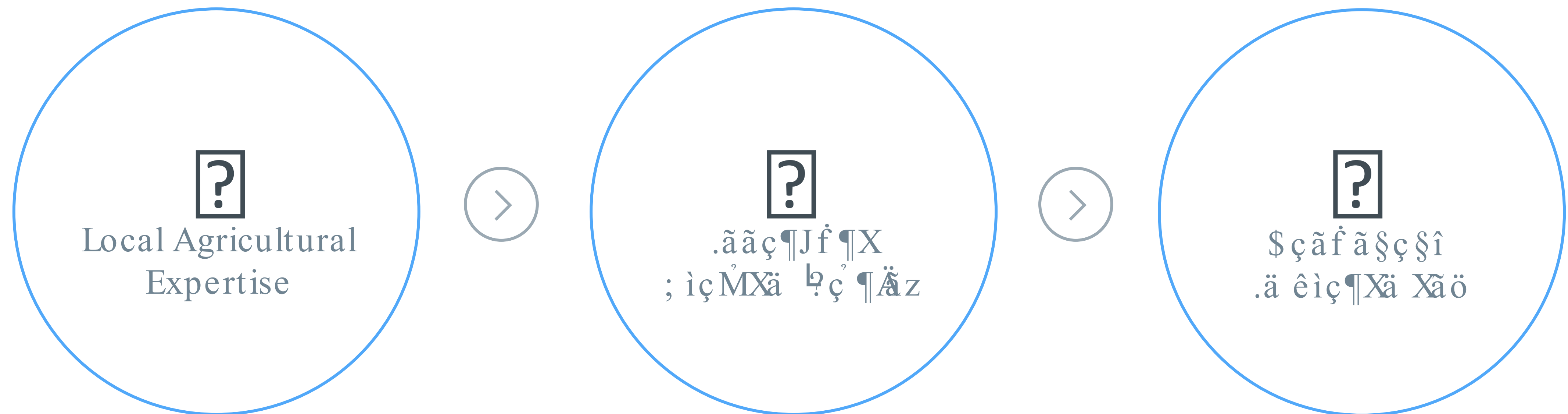
#ççîö(i NÄXNCP\$çä ê ÄãNXPIãT?öJÜX ç TXi
(ãzJzXä Xäö

- Enhanced Decision-making: Access to real-time and historical data for better water management strategies
- Streamlined Reporting: Automated report generation for usage, credits, planning, invoicing, and compliance
- Improved Stakeholder Communication: Shareable Dashboards, Grower Adjustment Requests, Field level management and usage oversight
- Efficient Resource Management: Data-driven insights lead to better resource allocation, grower education, and actionable water reduction strategies

Customizable Software as a Service

Our software is not a one-size-fits-all.

We design it with your unique needs in mind, ensuring that it adapts to your specific requirements. Your success is our success, which is why we're dedicated to providing exceptional support and service every step of the way.





One System, Many GSAs – Unified Grower Experience

Growers with parcels in different GSAs only need one login to manage everything.

Groundwater Sustainability Agency		ET as of 2025-03-31	Total Water Supply	Transitional Supply	Parcel Acres	Field Acres
Madera Subbasin Billing Period (Oct 24 - Sep 25)	<div>Usage</div> <div>Supply</div>	494.14 AF	908.40 AF	428.39 AF	624.63	582.83
Chowchilla Subbasin Billing Period (Oct 24 - Sep 25)	<div>Usage</div> <div>Supply</div>	62.93 AF	65.03 AF	78.34 AF	78.34	77.16
Delta-Mendota Subbasin Billing Period (Oct 24 - Sep 25)	<div>Usage</div> <div>Supply</div>	35.43 AF	462.12 AF	19.88 AF	56.81	53.35

Madera Subbasin

Chowchilla Subbasin

Delta-Mendota Subbasin

Overview

APN Details

ET

-494.14

Total

Precipitation

886.74

Transitional Supply

428.39

+ ET Usage

-494.14

+ Based on 25yr Rolling Average

+ Precipitation

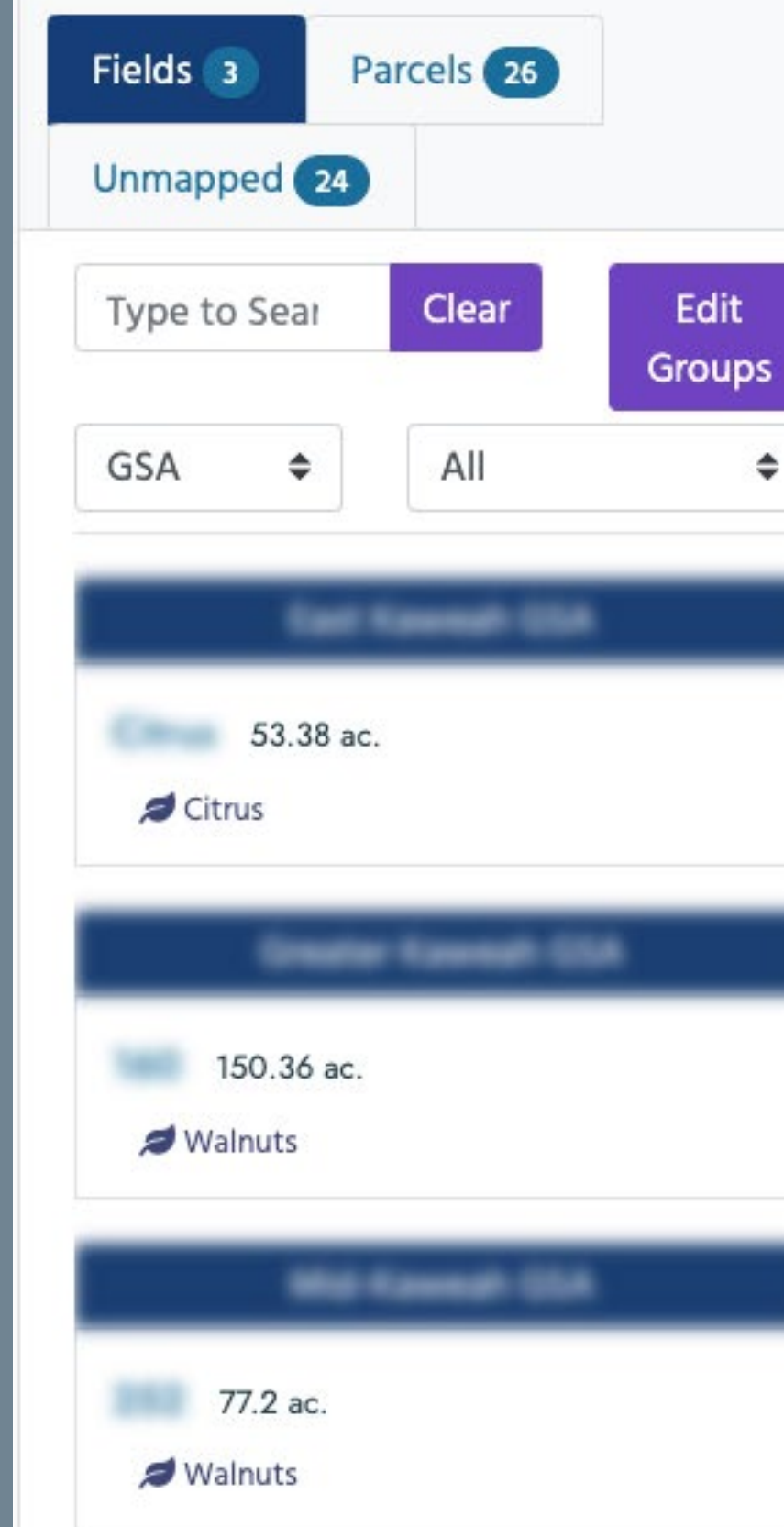
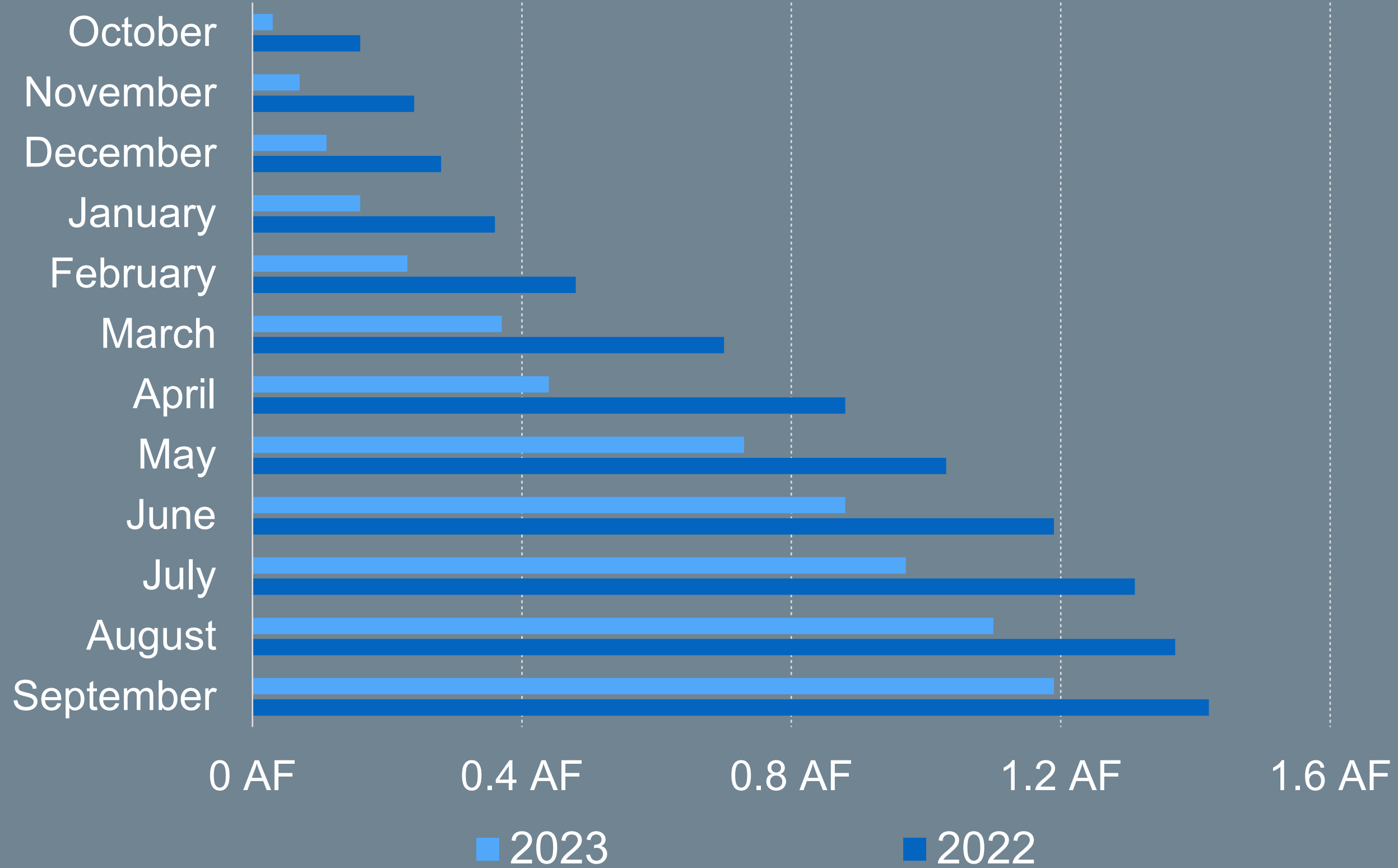
--

+ Tier 1 Penalty Allocation

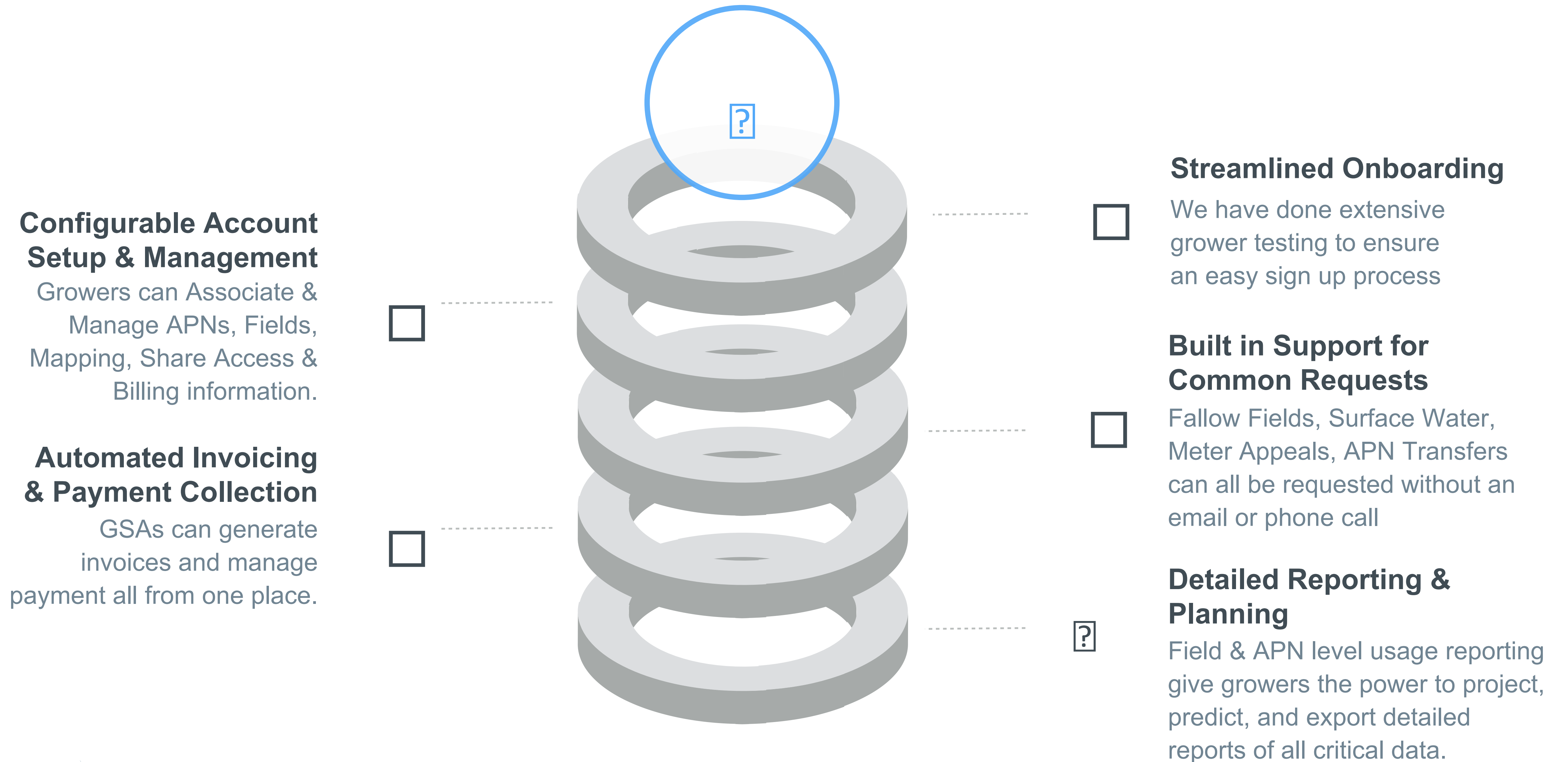
189.71

0.31 AF/Parcel Acre - \$150/AF

Field Level Analytics



≡ Enhanced features to minimize support staff, saving on operational costs.



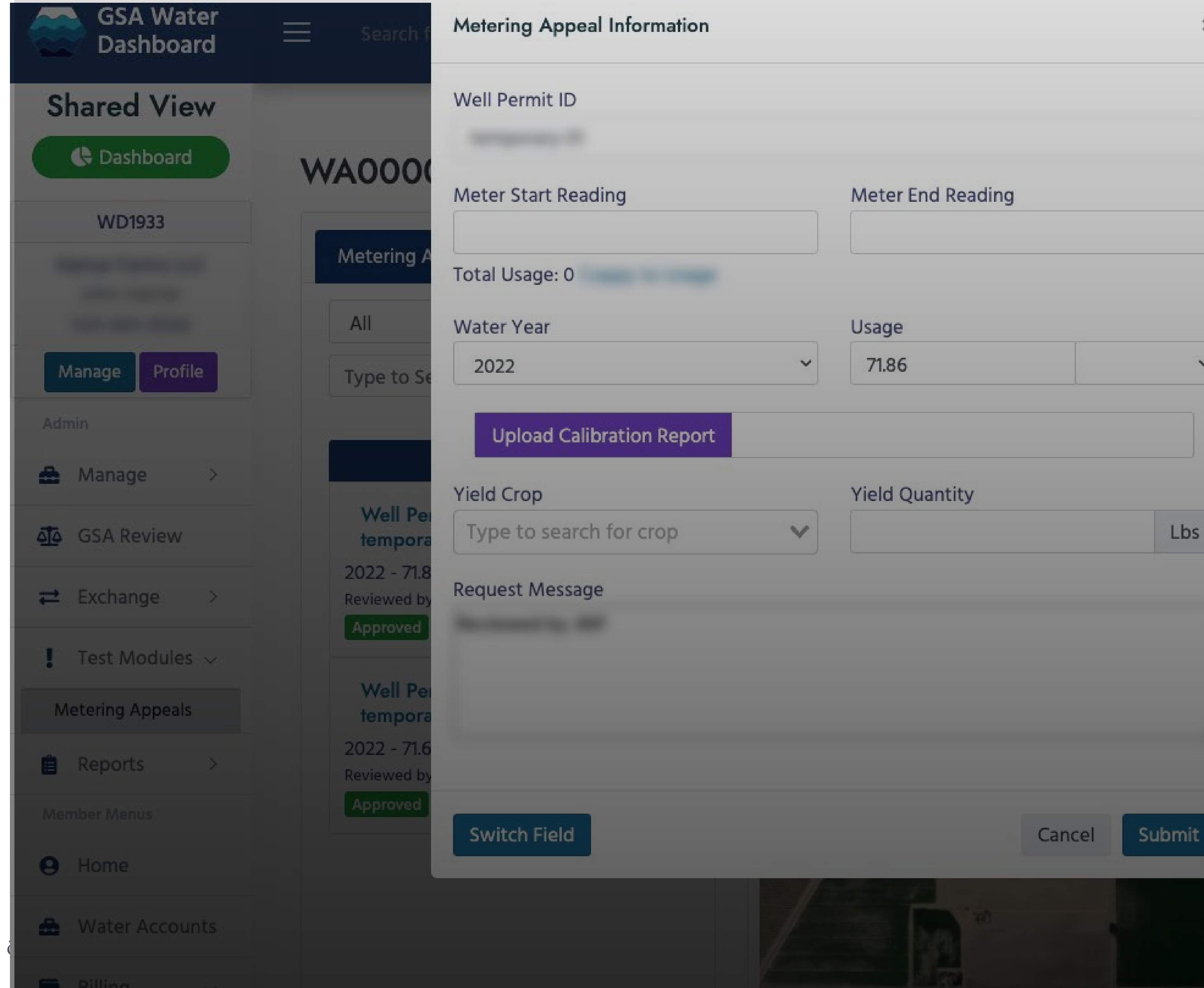
Key Features



Grower Credit Adjustments

Meter Appeals

For growers that would like to contest ETW A data, they are allowed to submit an Appeal for review and consideration of the GSA



The screenshot displays the GSA Water Dashboard interface. The top navigation bar includes the GSA Water Dashboard logo, a search bar, and a menu icon. The main content area is divided into a left sidebar and a central panel. The sidebar contains a 'Shared View' section with a 'Dashboard' button, a 'WD1933' section with 'Manage' and 'Profile' buttons, and an 'Admin' section with 'Manage', 'GSA Review', 'Exchange', 'Test Modules', 'Metering Appeals', 'Reports', and 'Member Menus'. The central panel shows a 'Metering Appeal Information' form. The form includes fields for 'Well Permit ID', 'Meter Start Reading', 'Meter End Reading', 'Total Usage: 0', 'Water Year' (set to 2022), 'Usage' (71.86), 'Yield Crop' (set to 'Type to search for crop'), 'Yield Quantity' (set to 'Lbs'), and 'Request Message'. There is an 'Upload Calibration Report' button and a 'Switch Field' button. The bottom right corner features 'Cancel' and 'Submit' buttons.

GSA Water Dashboard

Shared View

Dashboard

WD1933

Manage **Profile**

Admin

Manage **GSA Review** **Exchange** **Test Modules** **Metering Appeals** **Reports** **Member Menus**

Home **Water Accounts** **Billing**

Metering Appeal Information

Well Permit ID

Meter Start Reading

Meter End Reading

Total Usage: 0

Water Year: 2022

Usage: 71.86

Yield Crop: Type to search for crop

Yield Quantity: Lbs

Request Message

Upload Calibration Report

Switch Field **Cancel** **Submit**

5

*J' çβ *ÄT &XNJìJf çã

Upon approval, the system will use their provided fallowed months of ET will be adjusted.



Let us bring your

Followed Fields

Parcel List

Type to Search

Clear

GSA

All

Greater Kaweah GSA

19.45 ac.

Approved

Oct 2021 - No End

This is listed as unclassified.

38.07 ac.

Approved

Oct 2022 - No End

These trees were removed the beginning of the year.

36.67 ac.

Approved

Oct 2022 - No End

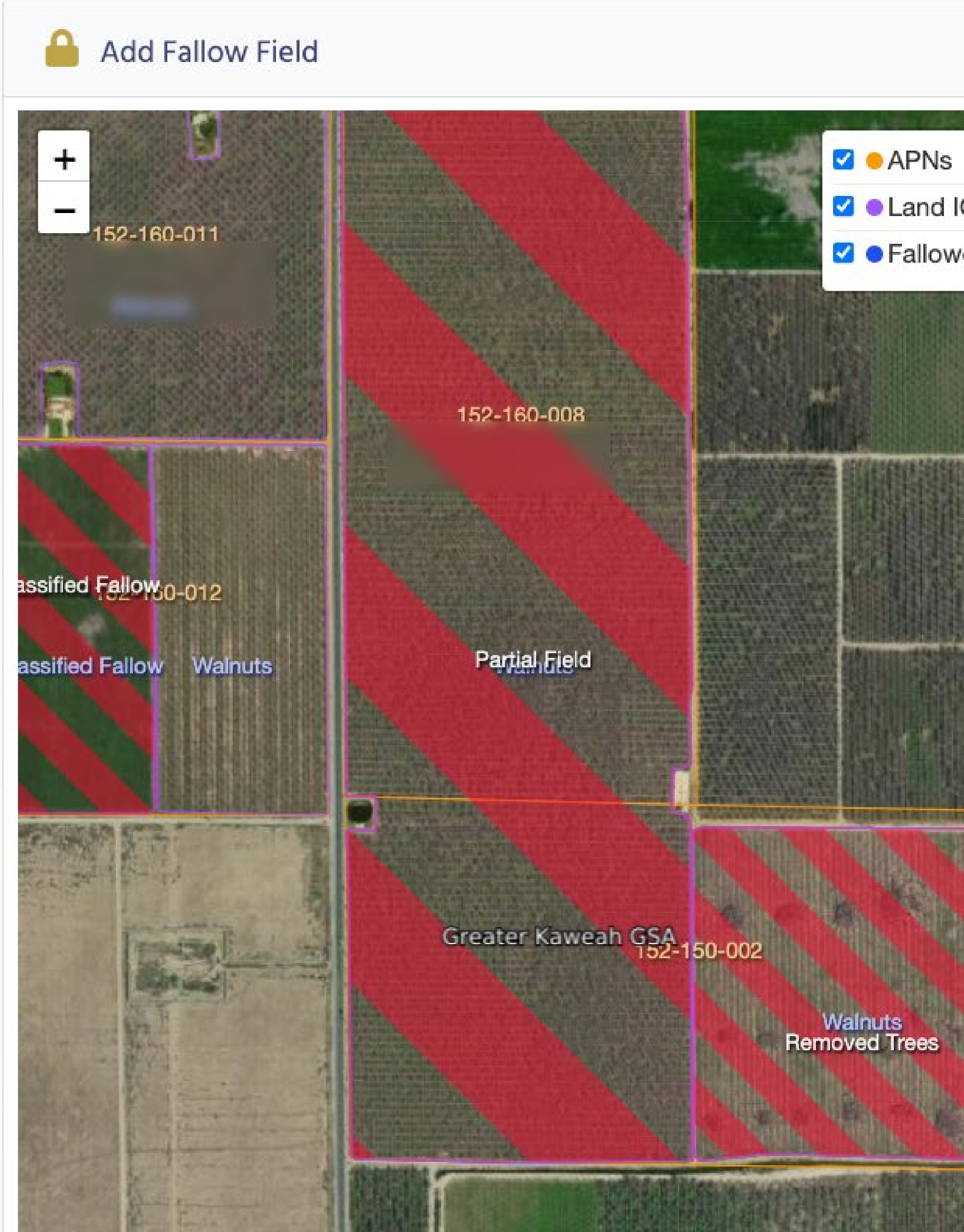
These trees were pulled out and will remain fallow.

113.69 ac.

Approved

Jan 2023 - No End

This field had the trees removed and will remain fallow until further notice.



≡ Key Features

□ Groundwater Accounting

τ §öç ä JöXT .ã ¶ç ÄXI
τ *§” ©\$ §îöç ä ÄMX
τ ” çNf çã AJMX
τ >JöX Tñîöä Xäö
τ \$iXTÄAÄî
τ .îîÄJf çã (i NÄN©
τ ; XäJ ö©>§ Xi
τ \$Jîî©¶Xi >§ Xi
τ 2JöX*XX?öJöXz©
τ 5 JãJzX; J©ä Xäö
τ Nç §ãf äz ?çx ß JìX.ãöXzìJf çã



2Xö §î MÄz © §î ÄXI

Column Number	1	2	3	4
Water Allocation Acreage				Water Usa
Land Parcels APN #*	Assessed Area [acre]	Irrigated Area [acre]	Total ET [AF]	Precipitation
	39.14	38.92	87.98	40.31
	19.60	19.12	67.22	20.19
	19.60	19.12	67.24	20.19
	78.34	77.16	222.44	80.69
				Total Et: 22
(**) APNs with the two asterisks are groundwater dependent parcels			(*) Irrigation Efficiency is blank if	

Table 2: Water Credits/ Debits for the 2023 Water Year

Column Number	1
Description	Water Supply
\$ §îöç ä ÄXT .ã ¶ç ÄXI	
2022 Total ET	

Member Dashboard										Update Transactions
Year	Type	APNs	Carryover Credits	Late Fee	Previous Balance	Year Fees	Total Fees	Total Payments	Balance	
2022	Reg	3 (78.34 ac.)	0	-	-	\$1,300.60	\$1,300.60	\$1,300.60	-	
2023	Reg	3 (78.34 ac.)	130.06	-	-	\$1,300.60	\$1,300.60	-	\$1,300.60	
2024	Reg	3 (78.34 ac.)	432.83	-	\$1,300.60	\$783.40	\$2,084.00	-	\$2,084.00	
Total						\$3,384.60		\$1,300.60	\$2,084.00	

Multi-Year Account Overview



Account Totals

Real-Time Usage

Allocation Details

Approved Credits

Overdraft Water

Debits & Transfers		Sustainable Supply		Transitional Supply
Usage (ET Consumption)	98.82 AF	Precipitation	122.37 AF	Tier 1 0.30 AF/Parcel Acre
Transfer Out	0.00 AF	Native 0.85 AF/Parcel Acre	62.88 AF	Tier 2
		+ Surface Water	0.10 AF	Mitigation \$500/AF
		+ Fallow Field - ET Credit (adjustment per rules and regulations)	11.78 AF	Penalty \$500/AF
		+ Olive ET Credit - ET Credit (adjustment per rules and regulations)	7.09 AF	
		+ Transferred In	125.00 AF	

Summary of Carryover Credits

Overview							APN Details		Carryover Details	
Land Parcels APN #	Total ET [AF]	Precipitation [AF]	ET Credit [AF]	Surface Water (District) [AF]	Sustainable Yield Allocation [AF] (0.62 AF/ parcel acre)	Tier 1 Penalty Allocation [AF] (0.56 AF/ parcel acre)				
	5.92	0.40	0.00	0.00	24.80	22.40				
	17.39	1.61	0.00	0.00	99.84	90.18				
	18.93	0.80	0.00	0.00	49.60	44.80				
	17.37	0.78	0.00	0.00	48.58	43.88				

2024 APN Carryover Credits				
Land Parcels APN #	Apn Acres [Acres]	Field Acres [Acres]	Tier 2 Penalty Allocation [AF] Carryover	Tie Allc
	40.00	39.49	24.31	
	161.04	152.29	133.25	
	80.00	77.50	72.55	

≡

Surface Water Credit Management

GSA	2023-10	2023-11	2023-12	2024-01	2024-02	2024-03	2024-04	2024-05	2024-06	2024-07	2024-08	2024-09	Year Total
MCGSA	114.92	0.00	0.00	93.72	175.94	925.63	0.00	2,174.07	11,398.86	6,730.47	164.97	8.37	38,076.89
No GSA	0.00	0.00	0.00	0.43	1.93	8.54	0.00	0.00	0.00	0.00	0.00	0.00	10.91
Month Total	114.92	0.00	0.00	94.15	177.87	934.17	0.00	2,174.07	11,398.86	6,730.47	164.97	8.37	71,507.96

Surface Water (30)UploadsUsage Changes (0)Grower Surface Water (7)In District APNs

Export Data

Search

Clear Filters

<<

<

1

2

3

4

...

>

>>

Linked APNs (3):

APNs that have designated to send their surface water credits to one or more designated APNs.

Invalid Credits:

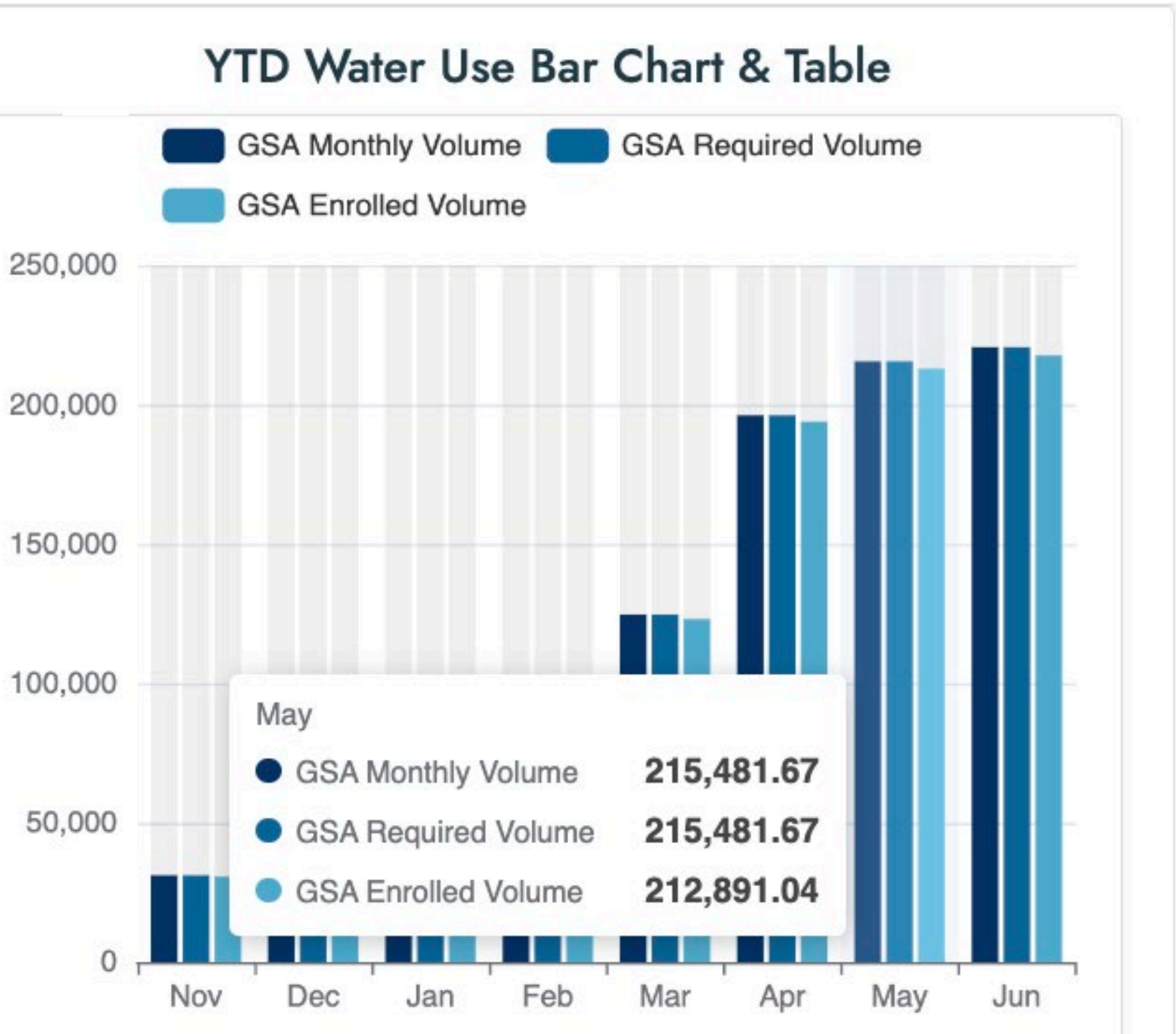
APNs that have surface water credits but those credits will not be used due to the APN not existing, not enrolled to a water account, or the APN is marked as not required to be in the GSA.

Edit

Only show linked APNs

Only show invalid credits

APN	Link	2023-10	2023-11	2023-12	2024-01	2024-02	2024-03	2024-04	2024-05	2024-06	2024-07	2024-08	2024-09	Total
014-110-050 MCGSA WA5036	⚙	0.00	0.00	0.00	0.14	0.64	2.85	0.00	4.45	7.38	3.54	0.51	0.03	19.55
014-120-031 MCGSA WA5036	⚙	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.45	7.38	3.54	0.51	0.03	15.91
014-120-032 MCGSA WA5036	⚙	0.00	0.00	0.00	0.14	0.64	2.85	0.00	4.45	7.38	3.54	0.51	0.03	19.55
014-270-023 MCGSA WA112	⚙	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.45	7.38	3.54	0.51	0.03	15.91



PeopleParcelsWater Use & Supply

YTD total water use (AF)
308,938.05

YTD water use from enrolled acres
308,650.09

Total GW allocations
405,836.49

Name	Acres	Total Water Use	Total Parcels
GW Dependent	217,024.86	8,205.56AF	4,388
SW + GW	217,024.86	8,205.56AF	4,388
SW Only	0	0AF	0

Type	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022
GSA Monthly Volume	31,119.42	22,960.12	40,533.15	62,855.93	124,000.00

Regulated Parcels Enrolled
100 %
Regulated Parcels: 4,388 / 4,404

Farmed Acres Enrolled
100 %
Field Acres Enrolled: 198,887.94 / 199,044.77

Registered & Required Irrigated

Unclaimed
✓ Required
✓ Irrigated

Unclaimed
✓ Required
✗ Irrigated

Not-Registered
✓ Required
✓ Irrigated

Not-Registered
✗ Required

Map of Visalia/Tulare area with water use overlays

Map controls: Satellite, Street, Topo

Year-to-Date Water Usage

Monthly Water Volumes

Regulated Acres, Total Accounts & much more...

www.unitedtrackingsystems.com

Results That Speak for Themselves

▣ 512,805 v 1-2 On Staff Customer
Support Per GSA

Total Regulated Acres

f 5,745 5 4 GSA's Actively
Managing Groundwater

Total Grower Accounts

UTS Sustainability Plan

Since 2011, United Tracking Systems has been at the forefront of agricultural software.

With over 40 years of combined experience in ag and tech, our team is responsive, knowledgeable, and deeply committed to this industry.



Scott Steinbeck
CTO / Senior
Software
Architect

20+ Years



J. F. Anderson
CEO / PCA /
CCA
Grower
Consultant

30+ Years



Gavin Pickin
Senior
Software
Developer

25+ Years



6 çJ| îîÄ
Software
Engineer

4+ Years



Dominic Patino
PCA / CCA
Grower
Consultant

10+ Years

We are on track to add 1 to 2 more developers within the next 18 months

Extended Developer Network - Level 2

We have agreement with each of these development groups to access resources or fully transition development activities should it be necessary



David Belanger
Senior ColdFusion
Web Developer
Specializing in Accounting
20+ Years



Nolan Erck
Senior Web Developer
& UX Designer
18+ Years

South of Shasta Consulting



David Levin
?XäÄi
?çxßJìX&X¶XçêXi
□●iHXJîî



Giancarlo Gomez
Senior Full Stack Developer
& Mobile App Developer
+24 Years

Fuze Developments



\$ç'T*§îÄã | \$ç'T#ç®\$Xi f` XT



Extended Developer Network - Level 3



32+ Developers, 3 Countries, 100+ Clients

 Daniel Garcia Senior Developer @djgarcia76	 Davis Vega Software Developer @DavisVega8	 Edgardo Cabezas Manager SV @iecabezas	 Eric Peterson Senior Developer @_elpete	 Esmeralda Acevedo Senior Developer	 Grant Copley Senior Developer @Grant.Copley	 Jaime Ramirez Senior Developer @jaimeramirez141	 Javier Quintero Developer @xavikintero
 Layne Vincent Senior Data Base Administrator	 Jacob Beers Senior Software Developer	 Jeff Chastain Senior Software Architect	 Jefferson Peña Photo Editor @jefferPea7	 Jon Clausen Senior Developer @jclausen	 Johana Ramirez Software Developer	 Jonathan Lainez Senior Designer @jelainez1	 Jorge Reyes Business Manager @jreyben
 Jose Handan	 Luis Majano	 Manuel Monedero	 Maria Jose Herrera	 Michael Born	 Rebeca Estrada	 Ricardo Nerio	 Tom Buettell





From Development to Long-Term Support

F | ©8 §ì ?§MNÄf çã 5 çTX &XÄXiî 5 çìXEJ §X

Feature	United Tracking Systems (UTS)	Other Platforms
All-in-One System	✓ Includes billing, tracking, credits, appeals, trades	✗ Often piecemeal or requires add-ons
Grower & Staff Friendly	✓ User-friendly for all roles	⚠ Often staff-only or clunky for growers
Real-Time Grower Access	✓ Full self-service portal	✗ Limited or no grower login
Integrated Billing & Payments	✓ Built-in invoicing & payments	✗ Requires external tools
Unlimited Team Support	✓ Local & responsive, no caps	⚠ Hourly limits or slow help
Simple, Flat Pricing	✓ No hidden fees	✗ Variable or project-based, increased cost
Fast Setup & Seamless Updates	✓ Quick launch, auto updates	⚠ Manual or delayed updates
Cloud-Based	✓ Hosted & maintained by us	✗ May require internal hosting
Built with Local GSA Input	✓ Tailored for California GSAs	⚠ Generic or retrofitted tools
Proven & Scalable	✓ Used by thousands, growing	⚠ Limited reach or pilot only