Sustainable Groundwater Management Act Portal

Projects and Management Actions Module – Public **Viewing Access**

Instruction Manual



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1. Introduction

The Department of Water Resources (Department) has updated the <u>Sustainable</u> <u>Groundwater Management Act (SGMA) Portal</u> to include public viewing access for the <u>Projects and Management Actions (PMA) Module</u>. The public view of the PMA Module is a centralized place to view data about projects and management actions (PMAs) that are being implemented by Groundwater Sustainability Agencies (GSAs) as part of their Groundwater Sustainability Plans (GSPs). The purpose of this **Instructions Manual** is to provide step-by-step instructions for using the public viewing access of the PMA Module on the <u>Sustainable Groundwater Management Act (SGMA) Portal</u>.

This searchable database includes information and associated data on a broad range of PMAs such as groundwater recharge, allocations, land fallowing, data gap filling, and various other actions and activities. It also serves as a mechanism for GSAs to report on the current implementation status and progress of their PMAs, through an implementation update feature, which both assists them in meeting their regulatory annual reporting requirements and helps inform the Department in evaluating a basin's progress towards achieving sustainability.

In addition to this Instruction Manual, the Department has developed the following resources to assist members of the public with using the PMA Module:

- PMA Module (Public View) FAQ Document
- Video Tutorial: How to Use the SGMA Portal PMA Module

If you have any questions or need assistance with using the PMA Module, please contact <u>SGMPS@water.ca.gov</u>.



2. Navigating to the PMA Module

1. Go to the SGMA Portal (<u>www.sgma.water.ca.gov</u>) on your web browser. To enter **the PMA Module**, click either the "**PMA Module**" button or the "**PMA**" icon on the site banner. You do **not** need to have a SGMA Portal account for public viewing access of the PMA Module.

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Figure 1. A screenshot of the SGMA Portal highlighting both the "PMA Module" button and the "PMA" icon on the site banner.

2. The "All Projects / Management Actions" page on the PMA Module will open and display a table containing the projects and management actions. This table will be referred to as the "PMA Table" throughout this manual. The PMA Table is used as a tool to allow users to search for PMA records and their associated data within the PMA Module.

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PMA Name / Description 0	Lead GSA(s) 0	G SP(s)	÷ 56	atus 🕴 Last Updated 🦂	Filters
Demo PMA - School Outreach Program	Omochumne-Hartnell Water District GSA - South American, County of Sacramento GSA - South American	5-021.65 SOUTH AMERICAN	Sub	mitted 04/30/2025 07:22:40	By Keywords 😶
The School Outreach Program will consist of a program to bring interactive groundwater education to local schools through classroom visits and field trips to recharge sites. Students learn how groundwater works, why it matters, and how to protect it. The program builds environmental awareness to the					
Dama DMA - Dasharan Rasin 0	County of Sacramento GSA - South American Directorma-	5-021-05 SOUTH AMERICAN	5.6	mitted 04/30/2025 03:32:28	By Basin
Detrillo PMA - Recharge Dasin 2 Loasted in VVVV Contr. the VVVV Bios Cool action like Berbarne Broast enforces and an orderates responses through intervaled water menosesses	Hartnell Water District GSA - South American				Filter by basin
During wet seasons, excess flows from the X000X River are diverted into two 2-are recharge basins, allowing water to percolate and replenish the					By GSP
Demo PMA - Wastewater Reuse and Groundwater Replenishment Program	San Francisco Public Utilities Commission GSA - Downtown		Sub	mitted 04/30/2025 02:19:30	Fitter by GSP
This project uses wastewater that has undergone advanced treatment to replenish local groundwater supplies through injection wells. The project helps reatore depleted					By Lead GSA 😉
groundwater levels while promoting sustainable water use by injecting purtied wasteevater into aquiters.					Filter by GSA
Demo PMA - Recharge and Habitat Restoration Project	San Francisco Public Utilities Commission GSA - Downtown		Sub	mitted 04/30/2025 02:19:17	By Other GSA 🙃
The Recharge and Habitat Restoration Project will revitable wellands and riparian areas to both restore natural habitats and enhance groundwater recharge. By restoring native vegetation and re-engineering floodplains, the project improves water infitzation, supports wildlife, and enhances ecosyste					Filter by Other (
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Demo MMA - Arundo Removal Mogram The Brance Descence foliation bands the example of investigation for one statement for anter water ballists and immediate for Rescard antibody	American 1.County of Sacramento GSA - South American	ANT AND ANT AND AN ANT AND AN	340	043012025 01140:00	Filter by P or M.
induce mechanical removal, targeted herbicide application, and community volunteer efforts. The program reduces wildfre risk, enhan					
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owing 1 to 5 of 944 entries			Previous 1 2 3	4 5 189 Nex	Filter by PMA T

Figure 2. A screenshot of the "All Projects / Management Actions" page on the PMA Module. The PMA Table is highlighted for Step 2.



Department of Water Resources

Sustainable Groundwater Management Office

3. Basic PMA Table Functions

1. The number of PMA records (also referred to as "PMA entries") currently being displayed in the PMA Table as well as the total number of PMA records in the PMA Module dataset will appear on the bottom left side of the table.

2. A set number of PMA entries will appear on one page of the PMA Table. To change how many PMAs are displayed in the table, use "**Show entries**" drop-down menu to select the desired number.

3. Use the "**Previous**", "**Next**", and **page number** buttons on the bottom right side of the PMA Table to navigate between pages of PMA entries.

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tome / AE PMAs Blow (S v) entries 3 Stoce Columna (Z PMA: Export (Exctr)) (Z PMA: Export (PGP)	Projects / Manage	ment Actions			
PMA Name / Description 🛛	Lead GSA(s) 0	GSP(s)	ý Status	Last Updated	T Filters
Demo PMA - Agriculture Outreach Program	County of Sacramento GSA - South American	5-021.65 SOUTH AMERICAN	Submitted	04/28/2025 09:48:57	By Keywords 0
The Agriculture Water Efficiency Program partners with local farmers to promote sustainable irrigation practices through workshops, on-farm demonstrations, and factorical support. Excused on index water water and improving cross which, the resonant builds community autoenases					
sense and a sense					By Basin
Demo PMA - Restoration of Riparian Habitats	Salinas Valley Basin GSA - Upper Valley Aquifer	3-004.05 UPPER VALLEY AQUIFER	Submitted	04/28/2025 09:48:34	Filter by basin
Project combats the spread of Anundo donax in key stream reaches. Anundo donax is an invasive plant that displaces native species and consumes excessive water. The project employs integrable removal methods, native replanting, and long-item monitoring to restore ecological balance, ecological balance.					By GSP
streamfo					Filter by GSP
Demo PMA - Erosion and Flood Risk Reduction	County of Buttle GSA - Buttle 1	5-021.70 BUTTE	Submitted	04/28/2025 09:48:27	By Lead GSA 0
This project will remove invasive Arundo donax from flood prone riverbanks to reduce erosion and flood risk. By clearing dense stands and replanting with native vegetation, the project stabilizes soils, boots biodiversity, and improves water efficiency. Educational outreach encourages landowner par	tling r par				Filter by GSA
					By Other GSA 0
Demo PMA - River Restoration Project Arundo Removal Program	Castac Basin GSA	5-029 CASTAC LAKE VALLEY	No Update	04/28/2025 09:48:09	Filter by Other (
The Arundo Removal Program under the River Restoration Project will revitaice wellands and riparian areas to both restore natural habitats and enhance groundwater recharge. By restoring native vegetation and re-engineering floodplains, the project improves water infibration, supports wildlife,					The Project or Management Action 0
and					M
Demo PMA - Recharge Basin	County of Sacramento GSA - South American	5-021.65 SOUTH AMERICAN	Ongoing	04/28/2025 09:47:55	2
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rowing 1 to 5 of 944 entries		Previous 1	2 3 4 5	189 Next	Filter by PMA S
4					By Potential Funding Source 0
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					Filter by Fundin
					By Sustainability Indicator 0

Figure 3. A screenshot highlighting the number of PMAs displayed in the table and the total number of PMAs for Step 1; the "Show entries" drop-down menu for Step 2; and the PMA Table page navigation options for Step 3.



4. Use the scroll bar on your web browser to scroll up and down the entire page. This allows you to access content such as the full length of the "Filters" menu.

5. Use the scroll bar on the right side of the PMA Table to scroll through the PMA entries on the PMA Table.

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PMA Name / Description A	Lead GSA(a) @	GSP(s)		d Status	J
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Define PMPA - Philling Data Gaps for Subsidence The XXXXX GSA will perform a study to investigate the causes of land subsidence in groundwater-dependent regions through satellite data and	Downtown			California	By Keywords Ø
groundwater level monitoring to fill data gaps identified in the GSP. By identifying key drivers of aquifer depletion and land compaction, the study provides ac					By Basin
Demo PMA - Voluntary Land Fallowing Program	San Francisco Public Utilities Co	mmission GSA -		Submitted	04/29/2025 23:38:20 Fifter by basin
The Voluntary Land Fallowing Program offers incentives to farmers who voluntarily fallow land to reduce groundwater pumping during critical drox periods. In exchange, participants receive financial support and technical assistance. The program belos stabilize assiste sweets support region.	ught al wat				By GSP
					Filter by GSP
Demo PMA - Invasive Plant Species Removal Program	Salinas Valley Basin GSA - East	Side Aquifer 3-004.02 EAST SI	DE AQUIFER	Submitted	04/29/2025 23:38:15 By Lead GSA ()
The Invasive Plant Species Removal Program removes invasive Arundo donax along critical stream reaches to restore natural flow regimes and protect native wildlife. Volunteer events and school partnerships will raise awareness about invasive species and empower communities to protect	d				Filter by GSA
their watersheds					By Other GSA 0
Demo PMA - Agriculture Outreach Program	County of Sacramento GSA - So	uth American 5-021.65 SOUTH	AMERICAN	Submitted	04/28/2025 09:48:57 Filter by Other GSA
The Agriculture Water Efficiency Program partners with local farmers to promote sustainable irrigation practices through workshops, on-farm demonstrations, and technical support. Focused on reducing water waste and improving crop yields, the program builds community awareness,					By Project or Manag
fosters conservation,					Filter by P or MA
Demo PMA - Restoration of Riparian Habitats	Salinas Valley Basin GSA - Uppe	er Valley Aquifer 3-004.05 UPPER	VALLEY AQUIFER	Submitted	04/28/2025 09:48:34 By PMA Type 0
Project combals the spread of Arundo donax in key stream reaches. Arundo donax is an invasive plant that displaces native species and consum excessive water. The project employs integrated removal methods, native replanting, and long-term monitoring to restore ecological balance, pro-	ies Joct				Filter by PMA Type

Figure 4. A screenshot highlighting the web browser scroll bar for Step 4 and the PMA Table scroll bar for Step 5.

6. To view a **description of the columns** that are displayed on the PMA Table, you can hover over the information "**i**" icon next to the column header to view a description of that field, if available.

	Resources S AND MANAGEMENT ACTIONS MODULE	
A Home ≡ GSA ≡ GSP ≡ Alternative	s ≡ Adjudicated Basins C Basin Modification ≡ PMA ≡ State Intervention	Resources
Home / All PMAs	Projects / Mar 6 t Actions	
Show 5 ventries & Show Columns & PMA Export (Excel) & PMA Export (PDF) PMA Name / Description •	Ne lead GSA(s) implementing the PMA. Lead GSA(s)	Status 💠 Last Updated 🗸
Demo PMA - Filling Data Gaps for Subsidence The XXXXX SA will perform a study to investigate the causes of fand subsidence is groundwater-dependent regions through satellite data ar- groundwater twein emotioning to til data gaps identified in the GSP By identifying key drivers of aquiter depletion and land compaction, the study provides ac	San Prancinco PAA States Commission	Submitted 04/29/2025 23:38:41
Demo PMA - Voluntary Land Fallowing Program The Voluntary Land Fallowing Program offers incentives to farmers who voluntarily fallow land to reduce groundwater pumping during critical drought periods in exchange, participants receive financial support and technical assistance. The program helps stabilize aquifer levels, supports regional wat	San Francisco Public Utilities Commission OSA - Downfown	Submitted 04/29/2025 23:36:20
Demo PMA - Invasive Plant Species Removal Program The Invasive Plant Species Removal Program removes invasive Anundo donax along critical stream reaches to restore natural flow regimes and protect native wildle. Volutileer events and school partnerships will raise awareness about invasive species and empower communities to protect their undershipdo	Salnas Valley Basin OSA - East Side Aquifer 3-004 02 EAST SIDE AQUIFER	Submitted 04/29/2025 23:38:15

Figure 5. A screenshot showing the cursor hovering over the information "i" icon next to a column header to view the field description.



4. How to View PMA Details

When the PMA Table initially loads on the "**All Projects / Management Actions**" page, it displays only a subset of the data that is available for each of the PMAs.

The **PMA Module** collects standardized information for each PMA and stores this data in a dataset that contains over 80 fields. These fields can be viewed within the PMA details pages for individual PMAs. The data fields are categorized into **Base Information** data and **Implementation Updates** data.

- Base Information data includes details such as the name, description, type (e.g., recharge, demand management, etc.), location, funding sources, benefits, and water supply source.
- Implementation Updates data will be submitted annually for each PMA and are intended to provide updates on the progress of PMAs, including current status, new funding obtained, and quantifiable benefits accrued during a given water year.

The purpose of this section is to provide instructions for viewing **PMA Details** for a single PMA in a form-style format. For instructions on viewing the entire PMA Module dataset in a tabular format, see <u>Section 7.1</u> in this manual.

1. To view all PMA details for a specific PMA, click anywhere within the PMA's row on the PMA Table.

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PMA Name / Description	Level GSA(s) 0	GSP(n)	5 Status	A Last Undated	T C U
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Demo PMA - Hilling Data Gaps for Subsidence	Downtown		56611100	001010101010101	By Keywords 🔮
The AAAA Cask was perform a study to investigate the causes or land subsidence in groundwater-dependent regions tending stateme data and groundwater level monitoring to fill data gaps identified in the GSP. By identifying key drivers of aquifer depletion and land compaction, the study					
provides ac					By Basin
Demo PMA - Voluntary Land Fallowing Program	San Francisco Public Utilities Commission O Downtown	ISA -	Submitted	04/29/2025 23:38:20	Filter by basin
The Voluntary Land Fallowing Program offers incentives to farmers who voluntarily fallow land to reduce groundwater pumping during critical drought periods. In exchance participants receive financial support and technical assistance. The program helps stabilize apulfic levels, supports regional wat					By GSP
					GSP
Demo PMA - Invasive Plant Species Removal Program	Salinas Valley Basin GSA - East Side Aquife	r 3-004.02 EAST SIDE AQUIFER	Submitted	04/29/2025 23:38	4 40
The Invasive Plant Species Removal Program removes invasive Arundo donax along critical stream reaches to restore natural flow regimes and					A
protect native wildlife. Volunteer events and school partnerships will raise awareness about invasive species and empower communities to protect their watersheds					GSA O
Demo PMA - Agriculture Outreach Program	County of Sacramento GSA - South America	in 5-021.65 SOUTH AMERICAN	Submitted	04/28/2025 09:48:57	Filter by Other GSA
The Agriculture Water Efficiency Program partners with local farmers to promote sustainable irrigation practices through workshops, on-farm			13		By Project or Management Action
demonstrations, and technical support. Focused on reducing water waste and improving crop yields, the program builds community awareness, fosters conservation			VV		Charles Control of Con
					Patter Dy P or NA
Demo PMA - Restoration of Riparian Habitats	Salinas Valley Basin GSA - Upper Valley Aq	alfer 3-004.05 UPPER VALLEY AQUIFER	R Submitted	04/28/2025 09:48:34	By PMA Type ()
Verified exercises the second of America descent in her also an excedent. America descent is an investion of and they disaffered metrics and an excedence					

Figure 6. A screenshot highlighting a PMA entry's row in the PMA Table. The cursor is clicking within the row to open the PMA details window.



2. A pop-up window will open displaying the **PMA details** associated with the selected entry in a form-style format. The fields in the form correspond to the data fields that are collected by the PMA Module and are separated into the following categories: **PMA Info** (which includes basic information such as the name and description), **Location**, **Schedule and Implementation**, **Costs**, and **Benefits**. These fields comprise the PMA's **Base Information** data.

Additionally, if the PMA has **Implementation Updates** that have been submitted for it, these will also be displayed in the PMA details window in the **Implementation Updates** section.

	Demo PMA - Agriculture Outreach Program		×		
ft Hame / All PMAs	Project or Management Action	Info	⊕ <i>2</i> 1		
	Name Demo PMA - Agriculture Outreach Program	Project or Management Action Management Action	Subcategory Demo PMA		
Show (5 v) entries (2 Show Columns) 2 PMA Export (Excel) 2 PMA Ex	Description The Agriculture Water Efficiency Program partners wit demonstrations, and technical support. Focused on re conservation, and encourages adoption of new technol	It local farmers to promote sustainable irrigation p iducing water waste and improving crop yields, th plogles to protect regional water supplies.	ractices through workshops, on-farm program builds community awareness, fosters	Last Updated	
Demo PMA - Filling Data Gaps for Subsidence	Type(s) Outreach and Engagement	.Subtype(s)	Other type	04/29/2025 23:38:41	T FIILEIS By Keywords 0
The AXXXX GSA will perform a study to investigate the causes of land subsidence in group groundwater level monitoring to fill data gaps identified in the GSP. By identifying key drives provides ac	Lead implementing GSA County of Sacramento GSA - South American	Other implementing GSAs			By Basin
Demo PMA - Voluntary Land Fallowing Program The Volaritary Land Fallowing Program offers incertilizer to famers who voluntarily fallow is periods to exchange, participants receive financial support and technical estimates: The pro- reserved.	Point of Contact John Johnson (XXXX River Agency) Johnjohnson@xxxxver.org 555-565-555	GSP(s) 5-021.65 SOUTH AMERICAN	Basin(s) / Subbasin(s) 5-021.65 SOUTH AMERICAN	64/29/2025 23:38:20	Faller by basin By GSP Filter by GSP
Demo PMA - Invasive Plant Species Removal Program	Location			04/29/2025 23:38:15	By Lead GSA 0
The Invasive Plant Species Removal Program removes invasive Arundo donax along critic, protect native wildlife. Volunteer events and school partnerships will raise awareness about their watersheds	Location known Yes	Covers the entire basin Yes			Film: by GSA By Other GSA O
Demo PMA - Agriculture Outreach Program	Location description Basin-wide			04/28/2025 09:48:57	Filter by Other GSA
The Agriculture Water Efficiency Program partners with local farmers to promote sustainable demonstrations, and technical support. Focused on reducing water waste and improving or fosters conservation,	Shapefile Latitude and Longitude Coordinate(s)				By Project or Management Action O
Demo PMA - Restoration of Riparian Habitats				48.34	Ву РМА Туре 0
Project combats the spread of Arundo donax in key stream reaches. Arundo donax is an investigated removal methods, native replanting, and los	sive prant that onpraces native species and consumes ig-term monitoring to restore ecological balance, protect			2	Filler by PMA Type
streamfo					By PMA Subtype 0
Showing 1 to 5 of 944 entries			Previous 1 2 3 4	Next	Fater by PMA Subtype

Figure 7. A screenshot of the PMA Details window.



3. To save and/or print the information that is displayed on the PMA details window, click the **printer icon** on the upper right side of the window. This will download a printer-friendly PDF containing the PMA details.

	Demo PMA - Agriculture Outreach Program			×	
forme / All PMAs	Project or Management Action	Info	ê '	Î	
	Name Demo PMA - Agriculture Outreach Program	Project or Management Action Management Action	Subca Demo		
Show 5 v entries Show Columns Z PMA Export (Excel) Z PMA Expo	Description The Agriculture Water Efficiency Program partners wit demonstrations, and technical support. Focused on re conservation, and encourages adoption of new techno	h local farmers to promote sustainable irrigation p ducing water waste and improving crop yields, the alogies to protect regional water supplies.	actices through w program builds communements, fosters	Last Updated *	Tillers
Demo PMA - Filling Data Gaps for Subsidence	Type(s) Outreach and Engagement	Subtype(s)	Other type	04/29/2025 23:38:41	By Keywords O
The XOOOX GSA will perform a study to investigate the causes of land subsidence in ground groundwater level monitoring to fill data gaps identified in the GSP. By identifying key drivers provides ac	Lead implementing GSA County of Sacramento GSA - South American	Other implementing GSAs			By Basin
Demo PMA - Voluntary Land Fallowing Program The Voluntary Land Fallowing Program offers incentives to farmers who voluntarily fallow lan periods. In exchange, participants receive financial support and technical assistance. The pre- rior	Point of Contact John Johnson (XXX River Agency) Johnjohnson@cocoriver.org 555-555-555	GSP(9) 5-021.65 SOUTH AMERICAN	Basin(s) / Subbasin(s) 5-021 65 SOUTH AMERICAN	04/29/2025 23 38 20	Filter by basin By GSP Filter by GSP
Demo PMA - Invasive Plant Species Removal Program	Location			04/29/2025 23:38:15	By Lead GSA O
The Invasive Plant Species Removal Program removes invasive Anundo donax along critical protect native wildlife. Volunteer events and school partnerships will raise awareness about their watersheds	Location known Yes	Covers the entire basin Yes			Filter by GSA By Other GSA 0
Demo PMA - Agriculture Outreach Program	Location description Basin-wide			04/28/2025 09:48:57	Filter by Other GSA
The Agriculture Water Efficiency Program pathers with local farmers to promote sustainable demonstrations, and technical support. Focused on reducing water waste and improving crop fosters conservation,	Shapefile				By Project or Management Action O
Demo PMA - Restoration of Riparian Habitats	Lanuae and Longinuoe Coordinate(s)			04/28/2025 09:48:34	Ву РМА Туре 🖲

Figure 8. A screenshot of the PMA Details pop-up window highlighting the printer icon.

4. To see a full-screen version of the PMA details, click the **"Show Full Screen"** icon on the top right of the PMA details window.

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	Demo PMA - Agriculture Outreach Program			×	
ftome: /: All PMAs	Project or Management Action	Info	10		
	Name Demo PMA - Agriculture Outreach Program	Project or Management Action Management Action	Subcategory Demo PMA		
Show (5 v) entries Show Columns Z PMA Export (Excel) Z PMA Exp	Description The Agriculture Water Efficiency Program partners wit demonstrations, and technical support. Focused on re conservation, and encourages adoption of new technol	h local farmers to promote sustainable irrigation p ducing water waste and improving crop yields, th slogies to protect regional water supplies.	ractices through worksho, e program builds community	tant Updated	
Demo PMA - Filling Data Gaps for Subsidence	Type(s) Outreach and Engagement	Subtype(s)	Other type	04/29/2025 23 38:41	T FIITERS By Keywords 0
The XXXXX GSA will perform a study to investigate the causes of land subsidence in groun groundwater level monitoring to fill data gaps identified in the GSP. By identifying key driven provides ac	Lead implementing GSA County of Sacramento GSA - South American	Other implementing GSAs			By Basin
Demo PMA - Voluntary Land Fallowing Program The Voluntary Land Fallowing Program offers incentives to temers who voluntarily follow ia periods in exchange, participants receive financial support and technical assistance. The period	Point of Contact John Johnson (XOOX River Agency) johnjohnson@xxxviver.org 555-555-5555	GSP(s) 5-021.65 SOUTH AMERICAN	Basin(s) / Subbasin(s) 5-021.65 SOUTH AMERICAN	04/29/2025 23:38:20	Filter by basin By GSP Filter by CSP
Demo PMA - Invasive Plant Species Removal Program	Location			04/29/2025 23 38:15	By Lead GSA 0
The Invasive Plant Species Removal Program removes invasive Arundo donax along critica protect native widdle. Volunteer events and school partnerships wilt ratee awareness about	Location known Yes	Covers the entire basin Yes			
Demo PMA - Agriculture Outreach Program	Location description Basin-wide	1.1		04/28/2025 09:48:57	By Other GSA O
The Agriculture Water Efficiency Program partners with local farmers to promote sustainable demonstrations, and technical support. Focused on reducing water waste and improving cro fosters conservation	Shapefile				By Project or Management Action
Demo PMA - Restoration of Riparian Habitats	Latitude and Longitude Coordinate(s)			04/28/2025 09:48:34	By PMA Type O
	the second s				

Figure 9. A screenshot of the PMA Details pop-up window highlighting the "Show Full Screen" icon.



5. The full-screen version of the PMA details will open in a new window of your web browser and will display the PMA Details on its own webpage.

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A Home	. ≡ GSP ≡ Alternatives ≡	Adjudicated Basins 🕑 Basin Modification	E PMA E State Intervention	Sesources
Home / All PMAs / Project: Demo PMA - Agriculture Outreach Program				
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		5.021 65 SOUTH AMERICAN		
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Project or Management Action Info				
Name		Project or Management Action		Subcategory
Demo PMA - Agriculture Outreach Program		Management Action		Demo PMA
Description The Agriculture Water Efficiency Program partners with local farmers to promote sustainable irriga adoption of new technologies to protect regional water supplies.	ion practices through workshops, on-far	m demonstrations, and technical support. Focused	on reducing water waste and improvin	g crop yields, the program builds community awareness, fosters conservation, and encourages
Type(s) Outreach and Engagement		Subtype(s)		Other type
Lead implementing GSA County of Sacramento GSA - South American		Other implementing GSAs		
Point of Contact		GSP(s)		Basin(s) / Subbasin(s)
John Johnson (XXXX River Agency) johnjohnson@xxxxiver.org 555-555-5555		5-021.65 SOUTH AMERICAN		5-021.65 SOUTH AMERICAN
Location Coordinates				
Location known		Covers the entire basin		
Yes		Yes		
Location description				
ChapeRia				
Shapene				
Latitude and Longitude Coordinate(s)				
Schedule and Implementation				
Implementation Description				

Figure 10. A screenshot of the full-screen format of the PMA details.



5. How to Search and/or Filter for PMAs

The PMA Module allows users to search for specific PMAs within their web browser on the "All Projects / Management Actions" page.

PMAs that contain certain words or phrases in their associated data can be searched for by using the **"By Keywords"** search function in the **"Filters"** menu. Instructions for using keyword searches are provided in <u>Section 5.1</u>.

Additionally, the "**Filters**" menu also provides filtering options that allow users to refine PMA search results by selecting criteria within specific fields. Instructions for using the field filters are provided <u>Section 5.2</u>.

The searching and filtering options explained in both sections can be used individually or in conjunction with each other to refine PMA search results. After applying the search and/or filter criteria, PMAs that match the criteria will be displayed within the PMA Table.



5.1. How to Search for PMAs By Keywords

1. Type the desired words or phrases directly into the "**By Keywords**" search box, located in the "**Filters**" menu on the right side of the "**All Projects / Management Actions**" page.

In the example shown below (Figure 11), the word "Arundo" was typed into the "By Keywords" search box.

2. The number of PMA entries that match your search criteria will be displayed on the bottom left side of the PMA Table.

In the example shown below (Figure 11), the PMA Table displays results 1 through 5 of 8 PMA results which contain the word "Arundo" in their respective PMA details.

3. To clear the search, delete the text in the "**By Keywords**" search box.

A Name / Description 0	Lead GSA(s) 0	GSP(s)	T Filters
Imp PMA - Arundo Removal Program Riparan Recovery initiative targets the removal of invasive Arundo donax along local waterways to restore native habitats and improve water Removal methods include mechanical removal, targeted herbicide application, and community volunteer efforts. The program reduces wildfire enhan	Sloughhouse Resource Conservation District GSA - South American 1, County of Sacramento GSA - South American	5-021.65 SOUTH AMERICAN	By Keywords () Arundo
Imo PMA - Invasive Plant Species Removal Program Imasive Plant Species Removal Program removes invasive Aundo donax along critical stream reaches to restore natural flow regimes and et native witiffic Volunteer events and school partnerships will raise awareness about invasive species and empower communities to protect r watersheds	Salinas Valley Basin GSA - East Side Aquifer	3-004.02 EAST SIDE AQUIFER	Filter by basin By GSP Filter by GSP
Into PMA - Restoration of Riparian Habitats lect combuts the spread of Arundo donax in key stream reaches. Arundo donax is an invasive plant that displaces native species and consumes essive water. The project employs integrated removal methods, native replanting, and long-term monitoring to restore ecological balance, protect amflo	Salinas Valley Basin GSA - Upper Valley Aquifer	3-004.05 UPPER VALLEY AQUIFER	By Lead GSA 0 Filter by GSA By Other GSA 0
Imp PMA - Erosion and Flood Risk Reduction sproject will remove invasive Arundo donax from flood prone riverbanks to reduce erosion and flood risk. By clearing dense stands and replanting native vegetation, the project stabilizes solit, boosts biodiversity, and improves water efficiency. Educational outreach encourages landowner par	County of Butte GSA - Butte 1	5-021.70 BUTTE	Filter by Other GSA By Project or Management Action I
Anno PMA - River ject Arundo Removal Program Annos Removal Pro- ance groundwater rec 2 project improved in the project improves water infiltration, supports wildlife,	Castac Basin GSA	5-029 CASTAC LAKE VALLEY	Filter by P or MA By PMA Type Filter by PMA Type

Figure 11. A screenshot of the PMA Table. Step 1 highlights the "By Keywords" search function in the filter sidebar. Step 2 highlights the number of entries that match the search criteria. In this example, the word "Arundo" was typed into the "By Keywords" search box. The PMA Table displays results 1 through 5 of 8 PMAs which contain the word "Arundo" in their respective PMA details.



5.2. How to Search for PMAs By Field Filters

1. On the "**All Projects / Management Actions**" page, navigate to the "**Filters**" menu located on the right side of the PMA Table. Each of the filter options in the menu (with the exception of the "By Keywords" function) corresponds to a field that is collected within the PMA Module.

All Projects / Management Ac	ctions 1	
PMA Name / Description 0 Demo PMA - Wastewater Reuse and Groundwater Replenishment Program This project dues wastewater that has undergrow advanced beatment to replenish local groundwater supplies through injection wells. The project helps restore depleted groundwater lewis while promoting the supplies through the supplies the supplies the supplies the supplies the supplies the supp	Lead GSA(s) San Francisco Public Utilities Commission GSA - Downtown	Filters By Keywords 0
Demo PMA - Recharge and Habitat Restoration Project The Richarge and Habitat Restoration Project will invlate wetlands and rearins areas to both restore natural habitats and enhance groundwater recharge. By restoring native vegetation and re-engineering foodplans, the project improves water initiation, supports withile, and enhances ecosyste	San Francisco Public Utilities Commission GSA - Downtown	By Basin Filter by basin By GSP
Demo PMA - Arundo Removal Program The Reparture Recovery Initiative targets the removal of massive Arundo donax along local waterways to restore native habitats and improve water flow. Removal methods include mechanical removal, targete hereticale application, and community volunteer efforts. The program reduces widtle risk, enhan	Sloughhouse Resource Conservation District GSA - South American 1,Co Sacramento GSA - South American d	Filter by GSP By Lead GSA
Demo PMA - Filling Data Gaps for Subsidence The XXXXX GSA will perform a study to herewelighte the cause of land subsidence in groundwater-dependent regions through satellite data and groundwater level monitoring to til data gaps identified in the GSP By identifying key drivers of aquiter depletion and land compaction, the study provides ac	San Francisco Public Utilities Commission GSA - Downtown	By Other GSA O Filter by Other GSA
Demo PMA - Voluntary Land Fallowing Program The Valuntary Land Fallowing Program effers incentives to formers who voluntarily fallow land to reduce groundwater pumping during critical drought periods. In exchange, participants receive financial support and technical assistance. The program helps stabilize aquifer levels, supports regional wat	San Francisco Public Utilities Commission GSA - Downtown	By Project or Management Action ③ Filter by P or MA Dr: DWA Data

Figure 12. A screenshot highlighting the location of the "Filters" menu.

2. Hovering over the information "**i**" icon next to one of the filterable fields in the "**Filters**" menu will open a pop-up which provides a description of the field, if available.



Figure 13. A screenshot showing the cursor hovering over the "i" icon, which opens the corresponding field description box.



3. Navigate to the desired field that the filter will be applied to. Click the box below the field name to display a drop-down menu with the selectable criteria for filtering. Click within the drop-down menu to select the desired criteria.

Multiple criteria can be selected within one field. Additionally, criteria can also be selected in multiple separate fields.



Figure 14. A screenshot showing the drop-down menu with selectable criteria for filtering a field.

4. After selecting the filter criteria, the selected criteria will be displayed in the box below the field name.

In the example shown in below (Figure 15), two fields have filters applied to them: the "By Basin" field is filtered by a specific basin, and the "By PMA Type" is filtered by "Direct Aquifer Recharge".

5. The PMAs that match the search criteria will be displayed in the **PMA Table**. The total number of results that match the selected filter criteria will be displayed on the bottom left side of the table.

In the example shown below (Figure 15), two results match the selected filter criteria. These results are PMAs that are **both** associated with that specific basin and have the "Direct Aquifer Recharge" selected as a PMA Type.



All F	Projects / Manag	ement Actions		
ow 5 v entries & Show Columns A PMA Export (Excel) 2 PMA Export (PDF)				
PMA Name / Description 0	Lead G SA(s) 0	GSP(s)	♦ Status ⇔ Last U	Filters
Demo PMA - Recharge Basin 2 Located in XXXXXX and the XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	County of Sacramento GSA - South American, Omochumne-Hartnell Water District GSA - South American	5-021.65 SOUTH AMERICAN	Submitted 04/30	Keywords 🕲
recharge basins, allowing water to percolate and replenish the				By Basin
Demo PMA - Recharge Basin The X0000 Recharge Basin Project is planned in the X00000 River and plans to capture stormwater during wet years, helping combat regional water scarchy. Native plants and monitoring systems support ecological headh and ensure long-term sustainability out water resources.	County of Sacramento GSA - South American	5-021.65 SOUTH AMERICAN	Ongoing 04/28/2025 09:47:59	5-021.65 SOUTH AMERICAN ×
				Filter by GSP
wing 1 to 2 of 2 entries tered from 944 total entries)			Previous 1 Next	By Lead GSA 0
				Filter by GSA
5				By Other GSA 🖯
				Filter by Other GSA
				By Project or Management Act
				Filter by P or MA
				Ву РМА Туре

Figure 15. A screenshot showing the selected filter criteria for Step 4 and the number of corresponding results in Step 5. In this example, the "By Basin" field is filtered by a specific basin, and the "By PMA Type" is filtered by "Direct Aquifer Recharge". Two results are displayed in the table that match the selected filter criteria.



6. How to Customize the Columns Displayed on the PMA Table

The PMA Module allows users to customize which **columns** are displayed on the PMA Table. Each column in the PMA Table corresponds to a data field collected as part of the PMA's Base Information. The PMA table does not include Implementation Updates Data, with the exception of the "Status" field.

Column customization can be used in conjunction with the filtering functionality explained in <u>Section 5</u>, which can allow users to modify both which PMAs are shown and how the PMAs information is displayed in the PMA Module.

1. On the "**All Projects / Management Actions**" page, click the "**Show Columns**" button located on the top left of the PMA Table.

<i>Cl</i> eov	Department of Water Re SGMA PROJECTS A	esources	IT ACTIONS MC		Sign In			
A Home	≡ GSP ≡ Alternatives	Adjudicated Basins	C Basin Modification	≡ PMA ≡ St	ate Intervention	Resources		
Home / AI PMAs Show 5 v entrie: & Show Columns 2 contexts) 2 PMA Excel	All Pr	ojects / Mar	nagement	Actions				
PMA Name / Description © Demo PMA - Recharge Basil Loaded in 10000 County the 10000 Rem Inrough Integrate water management, allowing water to percelate and ry, scharge basins, allowing water to percelate and ry,	¢ lace an er are	Lead GSA(s) O County of Sacramento GSA - So American, Omochumne-Hartnell District GSA - South American		UTH AMERICAN	∲ Sta Subr	tus	Updated v V2225 03.32.26 By Keywords O By Basin	

Figure 16. A screenshot highlighting the "Show Columns" button on the "All Projects / Management Actions" page.

2. The "**Show Columns" drop-down menu** will appear with the names of the fields that can be displayed on the PMA Table. Use the **checkboxes** to select the desired fields. To remove a field from the PMA Table, deselect the checkbox. Any number of columns may be selected.

3. Once all the desired selections are selected, close the **"Show Columns" drop-down menu** by clicking off the menu elsewhere on the page.

ov 5 Ventral 2	AII	Projects / Manageme	nt Actions			
PMA Name / Description		Lead GSA(s) O	GSP(s)	Status	Last Updated +	T Filtore
Demo PMA = 2 Lead OSA(s) The Brown Outread Students Automatical States (States States)	through classroom visits and field trips to recharge at assersments to the	Omochumne-Harthell Water Distinct QSA - South American County of Sacramento QSA - South American	5-021 65 SOUTH AMERICAN	Submitted	04/30/2025 07:22:40	J FIILEIS By Keywords Ö
Demo PMA - Status Located in 20000C G Last Updated	resources through integrated water management.	County of Sacramento GSA - South American Omochumne- Hartnell Water District GSA - South American	5-021.65 SOUTH AMERICAN	Submitted	04/30/2025 03:32:28	By Basin Filter by basin
Demo PMA = Project or Management Action?	er to percositive and represents the	Sen Francisco Public Utilities Commission GSA - Downtown		Submitted	04/30/2025 02:19:30	By GSP Filter by GSP
emo PMA	gh injection wells. The project helps restore depreted	San Francisco Public Utilities Commission GSA - Downtown		Submitted	04/30/2025 02:19:17	By Lead GSA C
Precharge and PMA Subtype(s)	tats and enhance groundwater recharge. By restoring ces ecosyste					By Other GSA O
emo PMA - Point of Contact Name	en habitats and improve water flow. Removal methods	Sleughhouse Resource Conservation District GSA - South American 1, County of Sacramento GSA - South American	5-021-85 SOUTH AMERICAN	Submitted	04/30/2025 01:45:50	By Project or Management Action O Fram by P of M.

Figure 16. A screenshot highlighting the "Show Columns" drop-down menu. The fields are visible for the User to select to display them in the PMA Table.



- 4. The selected fields will appear as **columns** in the PMA Table.
- 5. Use the horizontal scroll bar to scroll left or right on the PMA Table.

	Projects / Manage	ement Actions			
A Name 1 Description 0	Project or Management Action?	а РМА Турн(s) О	PMA Subtype(s) 0	0 Location known 0	Filters By Keywords 0
emo PMA - Recharge Basin 2	Project	Direct Aquifer Recharge.Conjunctive Use.Monitoring	New or Expanded Recharge	Yes	
abled in XXXXXX County, the XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			Basin/Spreading Grounds.Injection		By Basin
			Wels		Filter by basin
mo PMA - Wastewater Reuse and Groundwater Replenishment Program	Project	Direct Aquifer Recharge	Injection Wells	Yes	By G SP
project uses wastewater that has undergone advanced treatment to replenish local groundwater supplies through injection wells. The project helps restore depleter					Filter by OSP
никан жена илте рологд выкламе как ор пролу ролек макение по крате.					By Lead GSA
mo PMA . Decharge and Habitat Destoration Project	Management Action	Direct Aquifer Recharge, Environmental or Natural Resources	Riparian/Floodplain	Yes	Filter by OSA
Recharge and Habitat Restoration Project will revitable wetlands and riparian areas to both restore natural habitatis and enhance groundwater recharge. By restore			Restoration or Managed Wetlands		By Other GSA 0
ie vegetation and re-engineering floodplains, the project improves water infitration, supports wildlife, and enhances ecosyste					Filter by Other (
	Print				By Project or Management Action 🖲
mo PMA - Arundo Removal Program	Project	Environmental or Natural Resources		765	Filter by P or M.
ripanan necovery initiative angles the removal or invasive inclusio constrainting local waterways to reactine native natives and the de- de mechanical removal, targeted herbicide application, and community volunteer efforts. The program reduces wildfine risk, enhan					Ву РМА Туре 🖲
no PMA - Filling Data Gaps for Subsidence	Project	Study or Investigation		Yes	Filter by PMA T
0000X GSA will perform a study to investigate the causes of land subsidence in groundwater-dependent regions through satellite data and groundwater level					By PMA Subtype
toring to III data gaps identified in the OSP. By identifying key drivers of aquifer depietion and land compaction, the study provides ac					Filter by PMA S
		Previous 1 2	3 4 5	189 Next	By Potential Funding Source O
				Þ	Filter by Fundin
					By Confirmed Funding Source O
		6			Filter by Fundin
					By Sustainability Indicator 0

Figure 18. A screenshot with the newly added columns highlighted as Step 4 in the PMA Table. The horizontal scroll bar is highlighted for Step 5.

6. Click anywhere on a PMA's row at any time to view all a PMA's details in the PMA details window.

7. To see a description of the selected fields, hover over the information "**i**" icon next to the field name in the column header.

(5 v) entries (5 Doer Calumes) 2 PMA Export (Econ) (2 PMA Export (PDP))	© Project or Management Action? ©	The PRAA type(s) applicable to the PRAA, which identify the activity or method programed to applement the PRAA. Multiple options may be selected. PRAA Type(s) \$	PMA Subtype(s) 0	Cosation known O	Filters By Keywords 0
mo PMA - Recharge Basin 2 and HXXXX Courty, No XXXXX Rev Conjunction Use Rentrage Project optimizes surface and genundenter resources through integrated water rangement, org wat executs, success flows from the XXXXX Rev are diversed from the 2-area resources basins, allowing water to perceive and regional the	Project		Spanded ding cton	Yes	By Basin Filter by basin
mo PMA - Wastewater Reuse and Groundwater Replenishment Program projectives watewater hat has undergone advanced trainments ingeline hold providwater sugilies through hijston wells. The project heijst restore digited obtaine lives while provincing sustainable water use by righting portified assessment mis publics.	Project	Direct Aquifer Recharge	an a	Yes	By GSP Eller by GSP
mo PMA - Recharge and Habitat Restoration Project Refuga and Hold Heleston Poet all refutes where and pains was to be network holdst and where grundwater resharge By retorn wegeton and re-governg floodpans. He project improves water inflations approx width, and enhance ecosyste	Management Action	Direct Aquifer Recharge Environmental or Natural Resources	Riparian/Floodplain Restoration or Managed Wetlands	Yes	6
mo PMA - Arundo Removal Program	Project	Environmental or Natural Resources		Yes	Filter by P or M.
Riparian Recovery Initiative targets the removal of invasive Arundo donax along local waterways to restore native habitats and improve water flow. Removal method de mechanical removal, targeted herbicide application, and community volunteer efforts. The program reduces wildfire risk, enhan					Ву РМА Туре
mo PMA - Filling Data Gaps for Subsidence	Project	Study or Investigation		Yes	Fiber by PMA T
					Du DMA Subbung

Figure 19. A screenshot with a PMA's row highlighted in the PMA Table for step 6. The cursor hovering over the "i" icon is highlighted for Step 7.



7. How to Download Data from the PMA Module

The PMA Module allows users to export the PMA data in either **Excel** or **PDF format**. Both the Excel and PDF export tools allow users to select which PMAs are included within the export.

The following sections provide instructions for exporting data from the PMA Module in both Excel (see Section 7.1) and PDF (see Section 7.2) formats. **Base Information data** and the **Implementation Updates data** have different export processes and must be exported separately; therefore, the processes for exporting these data types are discussed separately in the sections below.

For all exports, column visibility settings do not affect the data included in exported files. **All fields** associated with the selected PMAs will be included in exports, regardless of which columns are visible on the user's web browser.

7.1. Excel Exports

7.1.1. Exporting PMA Base Information Data

1. Navigate to the **"All Projects / Management Actions**" page. Use the **search/filter functions** to search for PMAs that you want included in your Excel export file. For instructions on searching and filtering for PMAs, see <u>Section 5</u> of this manual.

To download the full PMA Module dataset as an Excel spreadsheet export, do not use any filters and move on to **Step 3**.

2. After applying the desired filters, check that the PMA Table contains **only** PMAs that are intended to be included in the Excel spreadsheet export.

In the example below (Figure 20), field filters have been applied in the "Filters" menu so that only five PMAs are shown as results in the PMA Table.



MA Name / Description O	Eead GSA(s) O	(GSP(s)	i Status	Last Updated	T Filters
Demo PMA - School Outreach Program	Ornochumne-Hartnell Water District GSA - South American County of Sacramento GSA - South American	5-021.05 SOUTH AMERICAN	Submitted	04/30/2025 07:22:40	By Keywords O
The School Outreach Program will consist of a program to bring interactive groundwater education to local schools through classroom visits and field trips to rechar ites. Students learn how groundwater works, why it matters, and how to protect it. The program builds environmental awareness to the	P				
Dame DMA Dackares Pasis 2	County of Sarramento (ISA - South American Oriochume-	5.021 M SOUTH AMERICAN	Submitted	D4/20/2026 03:32-26	By Basin
JOHIO PWAY - ROUTINITYO Dataliti 2 Joaled in XXXXX County, the XXXXXX River Conjunctive Use Recharge Project optimizes surface and groundwater resources through integrated water manageme	Hartnel Water District (ISA - South American ement.			5-021.85 SOUTH AMERICAN X	
During wet seasons, excess flows from the XXXXXX River are diverted into two 2-acre recharge basins, allowing water to persolate and replenish the					By GSP
Demo PMA - Arundo Removal Program	Sloughhouse Resource Conservation District GSA - South American 1 County of Sectorements (253 - South American	5-021.65 SOUTH AMERICAN	Submitted	04/30/2025 01:46:50	Fitter by OSP
The Riparian Recovery Initiative targets the removal of invasive Acundo donax along local waterways to restore native habitats and improve water flow. Removal m notice mechanical removal, targeted herbicide application, and community volunteer efforts. The program reduces widthe risk, enhan	ehods				By Lead GSA 🔁
	Contract of Community OTA . To the Investory		Diseased.		Fiber by OSA
Jemo PMA - Agriculture Outreach Program	county of and america count in social American	102100 2001H / Mile NOVY	20071040	04282029 08 48 37	By Other GSA 🔁
upport. Focused on reducing water waste and improving crop yields, the program builds community awareness, fosters conservation,					Filter by Other (
Demo PMA - Recharge Basin	County of Secremento OSA - South American	5-021.85 SOUTH AMERICAN	Orgoing	04/25/2025 09:47:59	By Project or Management Action 🖯
The XXXXXX Recharge Basin Project is planned in the XXXXXX River and plans to capture atormeater during wet years, helping combat regional water scarcity. Nati factors and receivers a subset and exclusion backing and area as forced area is instructed by of local water resources.	6				Filter by P or M
					By PMA Type \varTheta
wing 1 to 5 of 5 entries (filtered from 944 total entries)				Previous 1 Nex	Filter by PMA T-

Figure 20. A screenshot of the All Projects/Management Actions page. The "Filters" drop-down menu with selected filters is highlighted for Step 1. The PMA table, which has been filtered to include only PMAs that will be included in the Excel export, is highlighted for Step 2. In this example, 5 PMAs are shown as results on the PMA Table.

3. Click the **"PMA Export – Excel**" button, located at the top left side of the PMA Table. The download of the Excel export file will be initiated.

In the example below (Figure 21), <u>all Base Information data</u> from the five PMAs shown in the PMA Table will be exported to an Excel spreadsheet.

All Projects / Manageme	nt Actions			
🕴 Lead GSA(s) 0	GSP(s)	0 Status 0	Last Updated 💡	▼ Filters
Omochumne-Hannell Water District USA - South American County of Sacramento USA - South American #	5-021.85 SOUTH AMERICAN	Submitted	04/30/2025 07:22:40	By Keywords O
County of Sacramento GSA - South American, Omothumne- Hartnell Water District GSA - South American rd.	5-021-05 SOUTH AMERICAN	Submitted	04/30/2025 03/32/28	By Basin 5-021.65 SOUTH AMERICAN X By GSP
Sloughhouse Resource Conservation District (SSA - South American 1, County of Sacramento (SSA - South American thods	5-021.05 SOUTH AMERICAN	Submitted	0430/2025 01:48:50	Filter by GSP By Lead GSA 🔁 Filter by GSA
County of Sacramento OSA - South American christel	5-021.05 SOUTH AMERICAN	Submitted	04/28/2025 09:48:57	By Other GSA O
County of Sacramento GSA - South American	5-021-85 SOUTH AMERICAN	Orgsing	04/28/2025 09:47:59	By Project or Management Action 😶
				By PMA Type 0
	All Projects / Manageme Lead 05401 0 Lead 05401 0 Lead 05401 0 Course of Samerer 0024. State American Course of Samerer 0024. State American Samerer Course of Samerer 0024. State American Martines Course of Samerer 0024. State American Course of Samerer 0024. State American	All Projects / Management Actions	AII Projects / Management Actions	AI Projects / Management Actions

Figure 21. A screenshot highlighting the "PMA Export (Excel)" button.



4. The resulting Excel export file will contain all the Base Information data for the selected PMAs. Each column in the Excel export file corresponds to a data field.

In the example below (Figure 22), the Excel export file will contain all the Base Information data for the five PMAs that were selected in the PMA Table.

H2 ~	$\cdot : \times \checkmark f$	$\hat{x} \sim$ The XXXXX Recharge Basin Pro	ject is planned in the XXXXX River a	nd plans to capture	stormwater during wet years, helping combat	regional water scar	city. Native plants and monitoring systems support ecological health	and ensure long-term sustainability o	of local 🛛 👻
A 1	в	C	D	E	F	G	н		
Project DB ID	PMAID	Basin / Subbasin	GSP(s)	A.1 - Project or Management Action? *	A.2 - Project or Management Action Name *	A.3 - Subcategory	A.4 - Brief Description *	A.5 - Project or Management Action Type(s) *	A.5(r
947	5-021.65_PMA_0	5-021.65 SOUTH AMERICAN	5-021.65 SOUTH AMERICAN	Project	Demo PMA - Recharge Basin	Demo PMA	tormvated wing very seas. Neplog combit regional values conclusion and to capture stormvated vulng very seas. Neplog combit regional values conclusions and monitoring systems support ecological health and ensure long-term sustainability of local	Direct Aquifer Recharge:Monitoring	
948	5-021.65_PMA_1	5-021.65 SDUTH AMERICAN	5-021.65 SOUTH AMERICAN	Management Action	Demo PMA - Agriculture Outreach Program	Demo PMA	The Agriculture Value (Disence) Program pair tingation paradise shough voltakes, or shall be for the start hable a page of the start hable of the start hable of the start hable a page of the start hable of the start hable of the start hable a page of the start hable of the start hable of the start hable a page of the start hable of the start hable of the start hable of the start hable of the start hable of the start hable of the start hable of the start hable of the start hable of the start hable of the start hable of the start hable of the start hab	Dutreach and Engagement	
949	5-021.65_PMA_2	5-021.65 SOUTH AMERICAN	5-02165 SOUTH AMERICAN	Project	Demo PMA - Recharge Basin 2	Demo PMA	Colour Information County in Annotative and a state and ground are reacted and and an annotative and an annotative and an annotative and annotative	Direct Aquifer Recharge Monitoring Conjunctive Use	
950	5-021.65_PMA_3	5-021.65 SOUTH AMERICAN	5-021.65 SOUTH AMERICAN	Project	Demo PMA - Arundo Removal Program	Demo PMA	The Repairs Recovery Initiative target the removal of invasive Anunda donan along local water ways to report native habitatis and improve vater (tow. Removal methods include mechanical removal, targeted habitatie application, and community volumeer allots. The program reduces wildle relist, enhances biodexisty, and increases vater availability for ecosystems and angliculture in allocated plantin and increase.	Environmental or Natural Resources	
951	5-021.65_PMA_4	5-021.65 SOUTH AMERICAN	5-02165 SOUTH AMERICAN	Management Action	Demo PMA - School Outreach Program	Demo PMA	The School Dutreach Program vill consist of a program to bring interactive groundwater education to local schools through classroom visits and field trips to recharge titles. Studens learn how groundwater works, why imaters, and how to protect it. The program builds environmental awareness to the next generation.	Dutreach and Engagement	
< >	Read Me	PMA Base Information Export	Field Descriptions +			1			

Figure 22. A screenshot of the PMA data in Excel spreadsheet format.

7.1.2. Exporting PMA Implementation Updates Data

At this time, Implementation Updates data can only be exported in Excel format from **one PMA at a time**. The Department does not yet have a function to download Implementation Updates data from multiple PMAs simultaneously, but will add this functionality to the PMA Module in the future.

1. In the **PMA Table**, navigate to the desired PMA. Click anywhere within the PMA's row to open its **PMA details** window.



Figure 23. A screenshot highlighting the cursor clicking within a PMA's row to open the PMA details window.



2. In the PMA details window, scroll down to the "Implementation Updates" section. Click the "**Export (Excel)**" button to initiate the download of the Excel export file.

	OA			-						
	Demo PMA	- Recharg	e Basin					K.		
n +	Yes			3	10			^		
	Water supply The recharge	benefits desc basin is, on a	ription average, projected to recharge app	proximately 300 AFY.						
	Other non-wa The recharge	ater supply rel basin will pro	ated benefits description wide habitat to endangered bird sp	ecies and support grou	ndwater dependent ecosystems	(GDEs).				
PMA Export (Excel)	Benefits eval	uation explan	ation ill install 2 monitoring wells nearby	the PMA to monitor for	groundwater levels and groundw	ater quality.				
param	Dependent of Yes	n a water sup	ply source	s	ater source(s) ormwater			Status Submitted	Last Updated v 04/30/2025 07:22:40	
gram to bring interactive groundwater education to local schools th it matters, and how to protect it. The program builds environmental	Water source The stormwa	ter will be ava	lanation ilable during wet years.							
	Addition	nal Docu	uments					2	0/2025 03:32:26	
nctive Use Recharge Project optimizes surface and groundwater r River are diverted into two 2-acre recharge basins, allowing water	Title		Description		File or URL	1		4		
gram	Impleme	entation	Updates				A Export (Excel)		04/30/2025 01:46:50	
of invasive Arundo donax along local waterways to restore native ication, and community volunteer efforts. The program reduces w	Water Year	Updates				Statu	-			
Program	2024	Constructi	on was completed in January 2024 1.	. The project has recha	rged 100 AF since project	Ongoing		Submitted	04/28/2025 09:48:57	
with local tarmers to promote sustainable irrigation practices throug roving crop yields, the program builds community awareness, fost	2023	Constructi	on began on the project in April 20	23		Construct	ion			
	2022	Project is i	n planning phases. Appropriate pe	rmits are being obtaine	L.,	Planning		Ongoing	04/28/2025 09:47:59	
NOOOC River and plans to capture stormwater during wet year with and ensure long-term sustainability of local water resources.	2021	Project is i	n conceptual phases			Planning				
								÷		

Figure 24. A screenshot of the PMA details window, highlighting the location of the "Export (Excel)" button for the Implementation Updates section.

3. Open the Excel export file. The file will contain all Implementation Update data that was submitted by the GSA for the PMA.

- E	F	G	н	1	J	K	L	м
Basin	GSP	Implementation Date	Water Year *	Status *	Describe the project or management action's progress towards implementing the plan since the previous annual report. "	No Update - Provide an explanation.	Provide an explanation for withdrawing the PMA. **	Were new se of fundi acquired
Image: Source and sou	 Contrastructure Con		200 200 200 200 200	l opera contra Planna Planna	Constances as occupied in decay and the second has constantiation by provide the second of the second has Pagest in acceptual places. Program places galaxies. Regol program second places. Program second places program second places report (32 CCR 1362(c)).			acquired: Ves Ves No
26 27	Implementation Undates	Field Descriptions						
Ready 12 Accessibility: Good t	o go	Field Descriptions T				ିଜ୍ମ Display S	iettings 🏢 🗷 🖳 – 🛶	

Figure 25. A screenshot of the exported Excel file containing the Implementation Update data for the PMA.



7.2. PDF Exports

The PDF Exporter tool generates a form-style PDF document that displays each PMA's data organized by field, similar to the layout on the PMA details pages shown in <u>Section 4</u>. When exporting multiple PMAs simultaneously, the exporter compiles them into a single PDF file with each PMA's details on separate, consecutive pages.

At this time, the PDF exporter can only export Base Information data with some limited Implementation Updates data. The Department plans to release more PDF export capabilities for the Implementation Updates data in the future.

1. Use the **search/filter functions** to search for the PMAs that will be included in the PDF export. For instructions on searching for specific PMAs to include in the PMA Table, see <u>Section 5</u> of this Instructions Manual.

Please note that users exporting a large number of PMAs to PDF format may experience slower download times due to the large file size.

2. After filtering, check that the PMA Table contains **only** PMAs that are intended to be included in the PDF spreadsheet export.

In the example below (Figure 26), filters have been applied in the "Filters" menu so that only five PMAs are shown as results in the PMA Table.

PMA Name / Description 0	Lead GSA(s) 0	GSP(s)	i Status	Last Updated	T Filters
Demo PMA - School Outreach Program The School Outreach Program to time interactive growtheater education to local schools through dissroom visits and field trots to recharge	Omochumne-Hartnell Water District OSA - South American, County of Sacramento OSA - South American	5-021.05 SOUTH AMERICAN	Submitted	04/30/2025 07:22:40	By Keywords 0
sites. Students learn how groundwater works, why it matters, and how to protect it. The program builds environmental awareness to the					Dy Pasin
Demo PMA - Recharge Basin 2	County of Sacramento OSA - South American Omochumne- Hartnell Water District OSA - South American	5-021.65 SOUTH AMERICAN	Submitted	04/30/2025 03:32:25	5-021.85 SOUTH AMERICAN X
Located in XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					By GSP
Demo PMA - Arundo Removal Program	A - Arundo Removal Program Biouthouse Consensation Dutitis 05A - South 5421.69 SOUTH AMERICAN American (Courty of Bacomete) 05A - South American	Submitted	04/30/2025 01:46:50	Filter by QSP	
The Rigarian Recovery Initialive targets the removal of invasive Arundo donax along local waterways to restore native habitats and improve water flow. Removal methods include mechanical services targeted bacticide assistation, and exervices visiting and the restore restores within risk enters.	American 1, county or bacramento GoA - bourn American				By Lead GSA 😶
and the second second second second second second second second second the program is and the second se	for all afferences fifth for a factory				Fiber by OSA
Demo PMA - Agriculture Outreach Program	County of Sachamento USA - South American	5421.00 SUUTH AMERICAN	Submitted	0425/2025 04/46/57	By Other GSA 🛛
The agrounde value clinitery migram parties who now names to promote busianable inguish produces involgn workness, for the more denote business apport. Focused on reducing water waste and improving crop yields, the program builds community awareness, fosters conservation,					Filter by Other (
Demo PMA - Recharge Basin	County of Sacramento GSA - South American	5421.65 SOUTH AMERICAN	Ongoing	04/28/2025 09:47:59	By Project or Management Action O
The XXXXXX Recharge Basin Project is planned in the XXXXXX River and plans to capture atormeater during wet years, helping combat regional water scarbity. Native relates and monitorion sostems surport antionical basis and answer toos areas unset.					Filter by P. or M.
					By PMA Type O
bowing 1 to 5 of 5 entries (littered from 944 total entries)				Previous 1 Nex	Filter by PBIA T

Figure 26. A screenshot of the All Projects/Management Actions page. The "Filters" drop-down menu with selected filters is highlighted for Step 1. The PMA table, which has been filtered to include only PMAs that will be included in the PDF export, is highlighted for Step 2. In this example, 5 PMAs are shown as results on the PMA Table.



3. Click the **"PMA Export – PDF**" button, located at the top left side of the PMA Table. The download of the PDF export file will be initiated.

In the example below (Figure 27), <u>all Base Information data</u> from the five PMAs shown in the PMA Table will be exported to a PDF.

ane / AIPMAs	Projects / Manageme	nt Actions		
PMA Name / Description O	Lead GSA(s) 0	0 GSP(s) (Status 🕴 Last Updated 💡	Filters
Demo PMA - School Outreach Program The Steed Cursue Program of constant of a program to introj releasting sprucheter education to tool schools through disarrow webs and field trips to recharge and Schools am Programediane webs, by interting, and here to protect 1. The program hubble environmental assesses to the	Omochumne-Hartnell Water District QSA - South American County of Sacramento GSA - South American	5-021.65 SOUTH AMERICAN	Submitted 04/30/2025 07:22:40	By Keywords 😶
Demo PMA - Recharge Basin 2 Longel XXXXXX Curry, In XXXXXX Rev Conjunction Line Renarge Project splinites surface and providealer resources through integrated water management. During well assess, access from from the XXXXXXX rest are diverded into two 2 acce resturing basins, advering water to percetable and regional to the	County of Sacramento GSA - South American Omochumne- Hartnell Water District GSA - South American	5-021.05 SOUTH AMERICAN	Submitted 04/30/2025 03:32:25	By Basin 5-021.65 SOUTH AMERICAN × By G SP
Demo PMA - Arundo Removal Program In figuran Recovery Intellera lageds the removal of invasive Arundo drinas along local waterways to restore native holds tab and improve water free. Removal methods data methodica removal pupped herbides agedses, and community informer diffes. The program reasons waterfit in site, enters	Sloughhouse Resource Conservation District (IGA - South American 1, County of Sacramento GGA - South American	5-021.05 SOUTH AMERICAN	Submitted 04/30/2025 01:45:50	Filter by GSP By Lead GSA 🔁
Demo PMA - Agriculture Outreach Program In Agriculture Mater (Biorey Program sparsers with load leners to primet sustantiate impairs practices through workshops, on-time demonstrations, and technologi space. Thousand in on-based used markets and impairs program builds community assertances, based conductions,	County of Sacramento GSA - South American	5-021.85 SOUTH AMERICAN	Submitted 04/28/2025 09:48:57	By Other GSA O
Demo PMA - Recharge Basin he 2000: Metruga Itain Paperi a plannet in the X0000 River and plans to capture stormaster during well years, heiping contrast regional water scandty. Native Jants and monitoring systems support ecological health and ensure incry earn sustainability of local water resources.	County of Sacramento GSA - South American	5-021.85 SOUTH AMERICAN	Orgsing 04/28/2025 09-47:59	By Project or Management Action O Filter by P or M. By PMA Type O
wing 1 to 5 of 5 entries (filtered from 944 total entries)			Previous 1 Next	Filter by PMA T

Figure 27. A screenshot highlighting the "PMA Export (PDF)" button.

4. The exported file will be a single PDF document with each PMA's details on separate, consecutive pages.

In the example below (Figure 28), five PMAs were exported into a single PDF document.

=	ProjectManagementActions_2025-04-30.pdf	1 / 10 - 100% +						
		State of California DEI 5-02	PARTMENT OF WATER RESOURCES	California Natural Resources Agency				
	And a second sec	Decises or Menorement Action Info						
		Project of Management Action into	Desired or Measurement Action					
		Demo PMA - Recharge Basin	Project	Demo PMA				
	1	Constitute The XXXXX Recharge Basin Project is planned in the XXXXXX River and plans to capture stormwater during wet years, helping combat regional water source), halve planta and monitoring systems support ecological health and ensure long-term substantiability of call water resources.						
		Type(s) Direct Aquifer Recharge,Monitoring	Subtype(s) Stormwater Capture	Other type				
	A Constant of the second of th	Lead implementing GSA County of Sacramento GSA - South American	Other implementing GSAs					
		Point of Contact	GSP(s)	Basin(s) / Subbasin(s)				
		John Johnson (XXXX River Agency) johnjohnson@xxxxriver.org 555-555-5555	5-021.65 SOUTH AMERICAN	5-021.65 SOUTH AMERICAN				
		Location						
	in the second	Location known Covers the entire basin						
	and the second sec	Yes	No					
		Located along the XXXXXX River on a 3 acre pl	ot of land.					
		Shapefile						
		Latitude and Longitude Coordinate(s)						
	3	Condition Name						
	the second se	Longitude						
		XXXXX River Recharge Basin 38.575003 -121.499967						
		Schedule and Implementation						
	4	Implementation Devolption The project is currently in planning phases. Appropriate permits must be obtained prior to construction of the recharge basin. Construction is bearing to bearing base 2027						
		Has expected initiation and completion date	Expected initiation year	Expected completion year				
		Yes	2022	2032				
-								

Figure 28. A screenshot of the resulting PDF file export.



8. Troubleshooting

If any part of the PMA Module does not load correctly on your web browser, try refreshing the page. If refreshing does not resolve the issue, adjust the browser's zoom level. The formatting of the display can vary depending on screen resolution and browser settings. Resetting the zoom level to 100% or toggling between zoom levels may help to correct the display.

Most web browsers allow the user to adjust the zoom level by using the following keyboard shortcuts:

- Ctrl + (+) to zoom in
- Ctrl + (-) to zoom out
- Ctrl + 0 to reset the zoom level to 100%.

After changing the zoom level, refresh the page to allow the PMA Module display to apply the changes.

If you continue to experience issues, please contact <u>SGMPS@water.ca.gov</u> for assistance.

