

# Madera Subbasin Activities

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Director of Water & Natural Resources

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# Activities

- May 8, 2018 – Madera County, Madera Subbasin, GSA - BBM
- May 9, 2018 – Madera County, Madera Subbasin GSA Advisory Committee, 6 p.m.
- May 24, 2018 – Public Technical Workshop, 1-4 p.m. Madera County Juvenile Detention Facility Meeting Room
- June 25, 2018 – Public Technical Workshop, 1-4 p.m. Farm Bureau
- June 25, 2018 – Friends of Fairmead Presentation with Self-Help
- August 2, 2018 – Groundwater Workshop with Self-Help and Center
- August 8, 2018 – Madera County, Madera Subbasin Advisory Committee, 6:00 p.m.

# Basin Boundary Modification

The screenshot displays the GSA Map Viewer interface. The browser address bar shows the URL: <https://sgma.water.ca.gov/webgis/index.jsp?appid=gasmaster&rz=true>. The map shows a green area with cyan outlines representing groundwater basins. A popup window titled "Information at this Point" is open, displaying the following details:

- Exclusive GSA: Bulletin 118 Groundwater Basins
- GSA Name: County of Madera
- Local ID: 2
- Basin: 5-022.06
- Posted Date: 02/09/2017
- DWR GSA ID: 156
- GSA URL: [maderacountywater.com](http://maderacountywater.com)
- POC Name: Stephanie Anagno
- POC Email: [stephanie.anagnoson@maderacounty.com](mailto:stephanie.anagnoson@maderacounty.com)
- More Details: [View](#)
- Zoom To

The "Layers" panel on the right shows the following layers:

- Exclusive GSA (checked)
- GSA Notice Submitted (unchecked)
- GSA Service Area (unchecked)
- Alternatives Submitted (unchecked)
- Exclusive Local Agencies (Water Code Section 10723) (unchecked)
- Adjudicated Areas (unchecked)
- Counties (unchecked)
- Bulletin 118 Groundwater Basins (checked)
- Bulletin 118 Groundwater Basins (checked)
- CASGEM Groundwater Basin Prioritization (unchecked)

The bottom of the screen shows the Windows taskbar with the search bar and system tray. The system tray includes the text: "Lat: 36.8527037233655 California Department of Water Resources | Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA" and the Esri logo. The date and time are 8:24 AM on 8/8/2018.

# Management Areas

- “...an area within a basin for which the Plan may identify different minimum thresholds, measurable objectives, monitoring, or projects and management actions based on differences in water use sector, water source type, geology, aquifer characteristics, or other factors.”
- May define one or more management areas (MAs)
  - Will creation of MAs facilitate implementation of GSP?
  - MAs can define different minimum thresholds (MTs) and measurable objectives (MOs) provided undesirable results are defined uniformly throughout subbasin

# Management Areas

- MA requirements same as subbasin requirements, each MA requires
  - Hydrogeologic Conceptual Model
  - Groundwater Conditions
  - Full Water Budget
- **MAs vs. No MAs**
  - More complicated and more work to have MAs
  - Nothing gained by having MAs
    - Can still define MTs and MOs differently across subbasin
    - GSAs have the same authority over their areas with or without MAs
    - Surface water system budget completed for each GSA

# Water Budgets

- Madera Subbasin has approximately 183,600 acre-feet a year of overdraft based on 2015 land use
- County GSA has 115,600 acre-feet of overdraft a year based on 2015 land use

Land Use	Area (acres)	
	1989	2015
Citrus and Subtropical	1,646	1,632
Corn	2,532	5,368
Grain and Hay Crops	3,782	5,410
Grapes	15,246	16,417
Idle	14,068	2,420
Miscellaneous Field Crops	10,090	53
Miscellaneous Truck Crops	568	3,061
Almonds	4,411	27,399
Miscellaneous Deciduous	4,206	2,336
Pistachios	7,607	15,243
Walnuts	566	443
Pasture and Alfalfa	15,005	5,087
Total	79,728	84,869

# Grants

- Water Market Strategy – U.S. Bureau of Reclamation WaterSmart
- Arundo Removal Plan – Wildlife Conservation Board



# Future Activities

- October 18, 2018 – Public Technical Workshop, Location/Time TBD
- November 7, 2018 – Madera County, Madera Subbasin County Advisory Committee, 6:00 p.m.