

Attachment 8 – Disadvantaged Community Assistance

All projects within this application address a need of Disadvantaged Communities (DACs) within the region. The Consolidated Irrigation District (CID), City of Fresno, and Fresno Metropolitan Flood Control District (FMFCD) projects provide groundwater recharge to the aquifer, benefitting DACs by protecting the groundwater supply they are reliant upon. The East Orosi Community Services District (EOCSD) and Sultana Community Services District (SCSD) projects provide infrastructure renovations to DACs that are necessary to ensure continued reliability of the minimum quality and quantity of water.

The Grant PSP indicated the 2006-2010 American Community Survey (ACS) data was to be used to document Disadvantaged Community status. However, as discussed in the Drought Solicitation Grant Workshop on June 20, 2014, the 2008-2012 ACS data was used, as it is more recent than the 2006-2010 information.

According to the 2008-2012 American Community Survey (ACS), the statewide Median Household Income is \$61,400 (see **Attachment 8a**). The definition of a DAC is a community with an MHI of 80% or less than the statewide MHI (California Water Code §79505.5(a)); the 2008-2012 threshold for a community to be considered a DAC is \$49,120.

Project A: CID – Adams and Academy Basin

Project A is a combined banking and recharge project. The recharge portion of the project will provide benefit to the City of Parlier while the banking portion of the project will provide benefit to the community adjacent to and south of the project site (Census Tracts 69 and 85.02). The following table shows the MHI of each of these communities (see **Attachment 8b**).

Table 8-1: CID Disadvantaged Communities		
Community Name or Tract No.	2008-12 ACS MHI	Percent of Statewide MHI
Parlier	\$36,161	59%
Tract 69	\$35,491	58%
Tract 85.02	\$41,040	67%

The City of Parlier qualifies as a DAC. The City of Parlier has entered into an agreement with CID (**Attachment 7b**) to develop groundwater recharge basins to replenish the groundwater supply that is the sole source of water that the City relies upon. This project will begin implementation of this agreement and the groundwater recharge from this project will help improve the groundwater quality and sustain the quantity of water in the aquifer that the City.

The second portion of the project is intended to bank water each year for use by the community in proximity to the project during drought years. The surrounding community is identified as Census Tracts 69 and 85.02, as shown on the exhibit below, are both DACs. During drought years, the banked water supply can be extracted without a net loss to the aquifer, allowing the users to continue their operations without additional groundwater pumping. While the benefit to these community members is not identified as a critical water supply need, without the safeguarded supply provided by the banking portion of the project, the farmers would not be able to sustain their cropland during drought years.

As both components of the project benefit DACs, Consolidated Irrigation District is seeking a funding matching waiver for the entire project.

Project B: City of Fresno – Nielsen Groundwater Recharge Basin

Project B is a groundwater recharge project located adjacent to the city limits of the City of Fresno, up-gradient of the cone of depression located beneath the City. The project will benefit the City and also the Census Tract area the project lies within (Tract 19). The 2008-2012 American Community Survey shows the City of Fresno has an MHI of \$42,276 and Tract 19 has an MHI of \$42,386 (see **Attachment 8c**), both of which are below the \$49,120 DAC threshold identified above. This project will provide necessary groundwater recharge; the recharge will help sustain the quality and quantity of water in the aquifer that the City depends on for water supply. Despite the identified benefits to a DAC, the City is not seeking a funding match waiver. .

Project C: FMFCD – Regional Groundwater Recharge Project

Project C is also a groundwater recharge project, with basins located throughout the City of Fresno. As discussed above, the City of Fresno is identified as a DAC. Six of the eleven basins that are part of the project lie within the City of Fresno limits. This project will provide necessary groundwater recharge; the recharge will help sustain the quality and quantity of water in the aquifer that the metropolitan area depends on for water supply. Despite the identified benefits to a DAC, the District is not seeking a funding match waiver.

Project D: East Orosi CSD – Water Conservation and Meter Project

Project D, a water conservation project, will increase water conservation by installing Ultra Low Flow Toilets and Water Meters throughout the community. East Orosi CSD, a Census Designated Place, has an MHI of \$28,750, which clearly qualifies the community as a DAC (see **Attachment 8d**). This project will meet the critical water supply and water quality needs of the East Orosi community as identified in Table 9 of Appendix G in the 2014 IRWM Drought Solicitation Guidelines:

- Infrastructure renovations to a public water supply system necessary to assure continued reliability of the minimum quality and quantity of water

While meters are generally not considered a project that will meet the critical water supply and water quality needs, Table 9 does indicate that meters could qualify if, "...meters are critical to maintain water service, or otherwise needed to maintain minimum system reliability". The community of East Orosi relies solely on groundwater supply and, while they have sufficient supply presently, the water levels have dropped 11 feet since 2011, by increasing water conservation, the remaining supply in the aquifer will last longer and aid in maintaining the minimum system reliability as well as the reliability of the minimum quantity of water.

As the project is benefitting a DAC, EOCSD is requesting a funding match waiver for the project.

Project E: Sultana CSD – Water Conservation and Meter Project

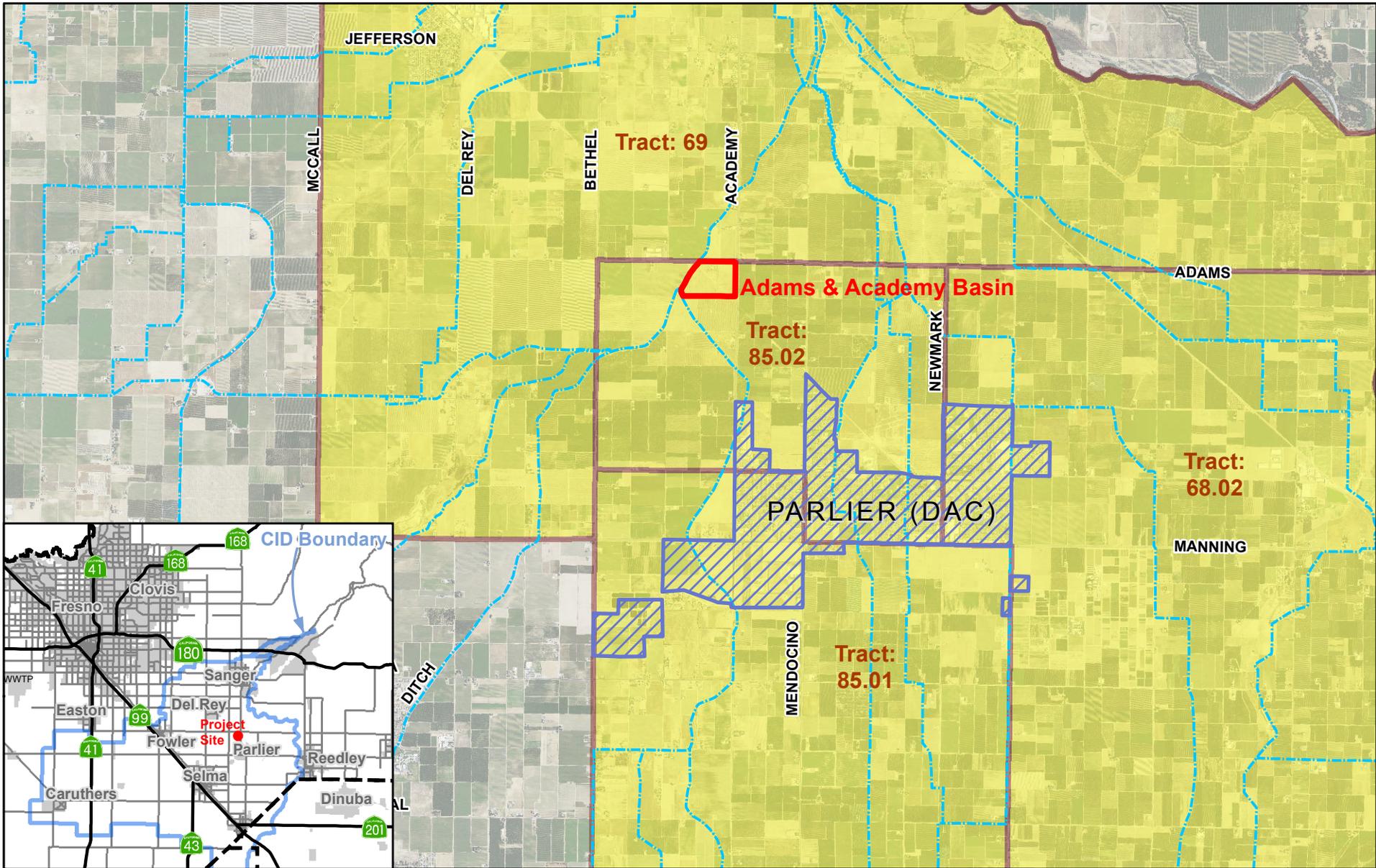
Project E, a water conservation project, will increase water conservation by installing Ultra Low Flow Toilets and Water Meters throughout the community. Sultana CSD, a Census Designated Place, has an MHI of \$31,528, which clearly qualifies the community as a DAC (see **Attachment 8d**). This project will meet the critical water supply and

water quality needs of the Sultana community as identified in Table 9 of Appendix G in the 2014 IRWM Drought Solicitation Guidelines:

- Infrastructure renovations to a public water supply system necessary to assure continued reliability of the minimum quality and quantity of water

While meters are generally not considered a project that will meet the critical water supply and water quality needs, Table 9 does indicate that meters could qualify if, "...meters are critical to maintain water service, or otherwise needed to maintain minimum system reliability". The community of Sultana relies solely on groundwater supply from one well. As discussed above, the water levels in the groundwater table are continuing to decline. The community has a secondary well, but it is contaminated with DBCP. By increasing water conservation, the remaining supply in the aquifer will last longer in the community's uncontaminated well and aid in maintaining the minimum system reliability as well as the reliability of the minimum quality and quantity of water.

As the project is benefitting a DAC, SCSD is requesting a funding match waiver for the project.



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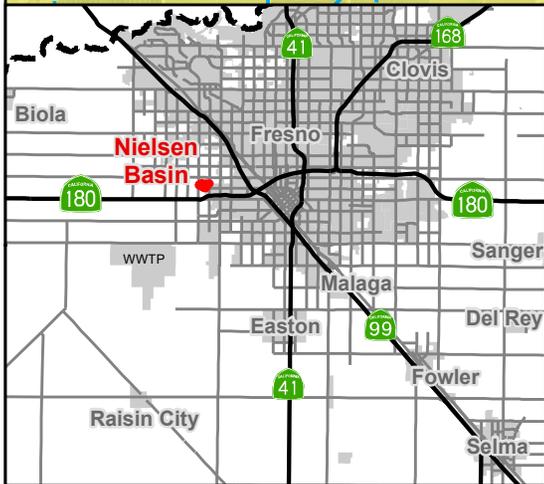
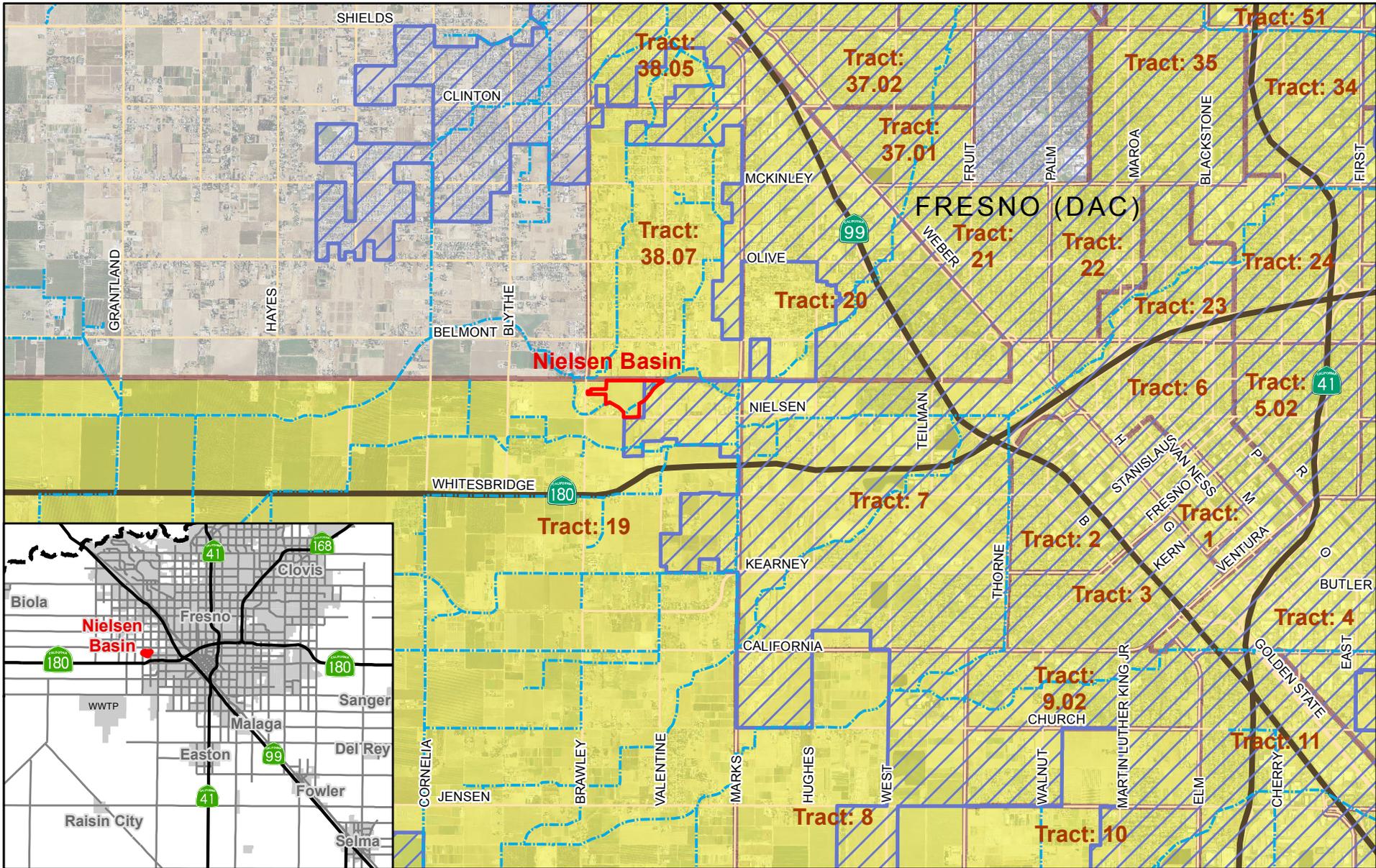
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Legend

- Adams & Academy Basin Project Site
- City of Parlier
- Disadvantaged Census Tract (Source CA DWR)
- Consolidated ID Facilities

Kings Basin Water Authority
CID: Adams & Academy Basin
DAC Map
2014 Drought Solicitation



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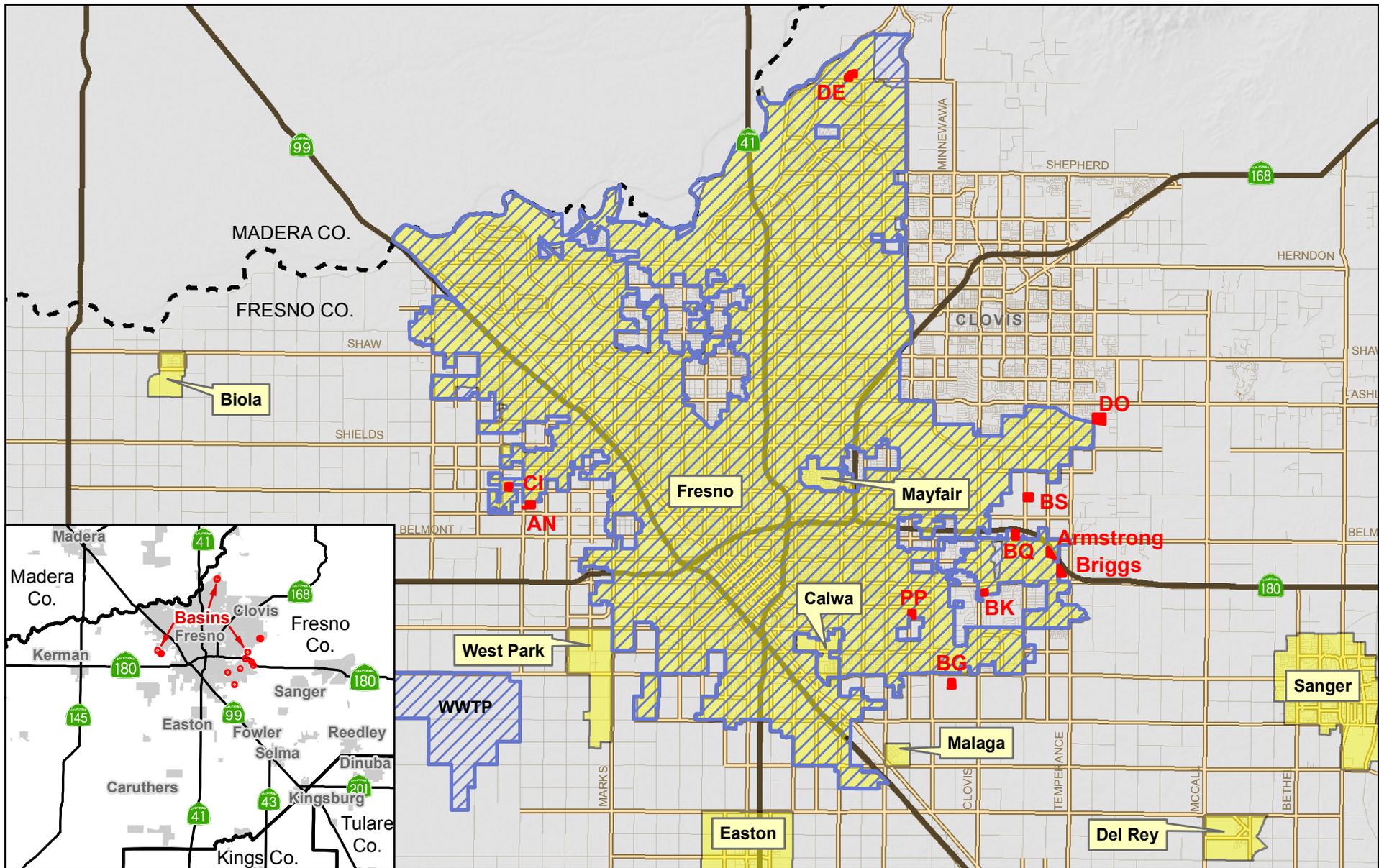
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- Nielsen Recharge Basin Project Site
- City of Fresno - City Limits
- Disadvantaged Census Tract (Source CA DWR)
- Fresno ID Facilities

Kings Basin Water Authority

Fresno: Nielsen Recharge Basin
DAC Map

2014 Drought Solicitation



0 1 2 3 Miles

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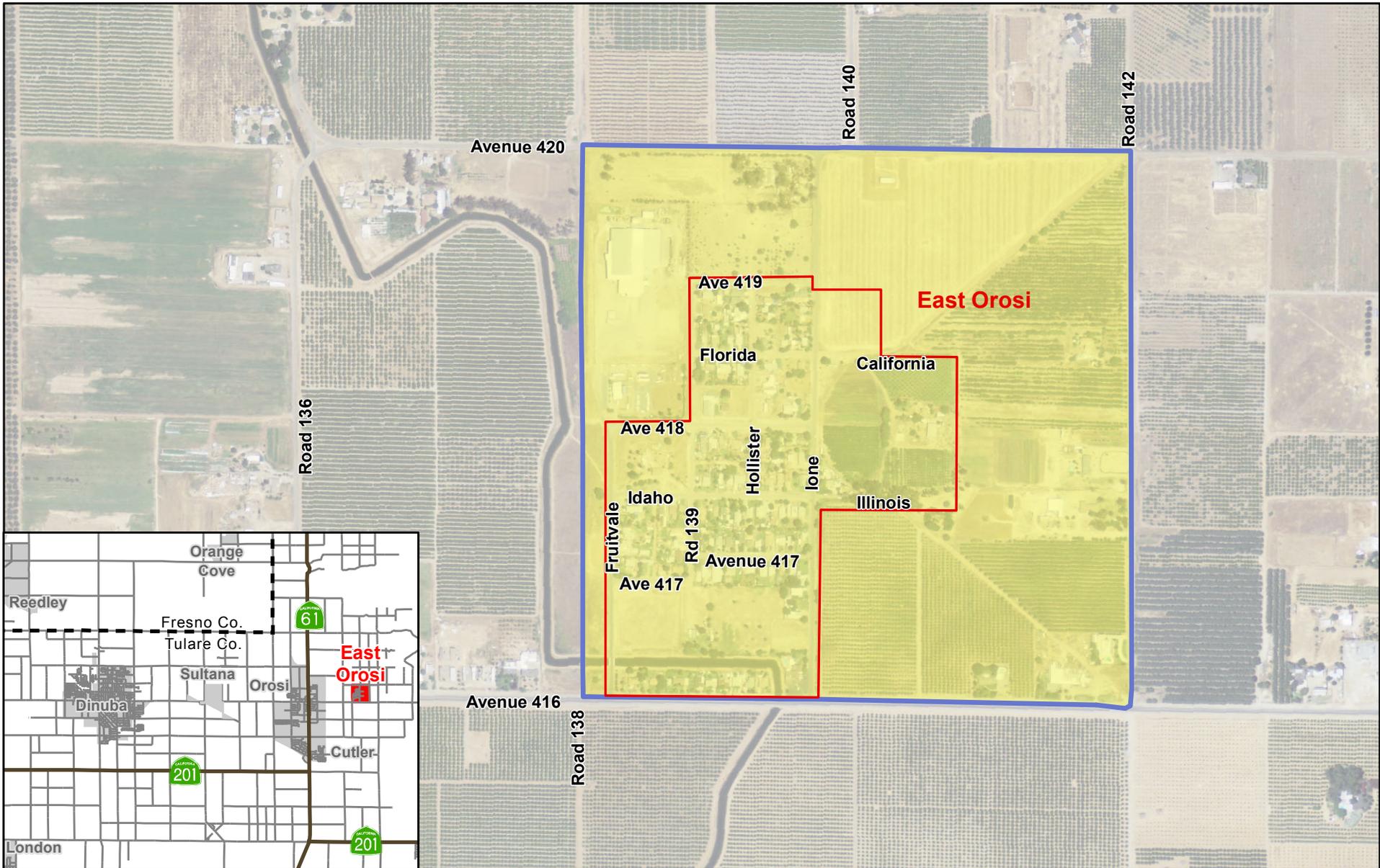
Legend

- Basins
- City of Fresno - City Limits
- Disadvantaged Communities (Source CA DWR)

Kings Basin Water Authority

FMFCD: Regional Groundwater Recharge
 DAC Map

2014 Drought Solicitation



0 500 1,000 Feet

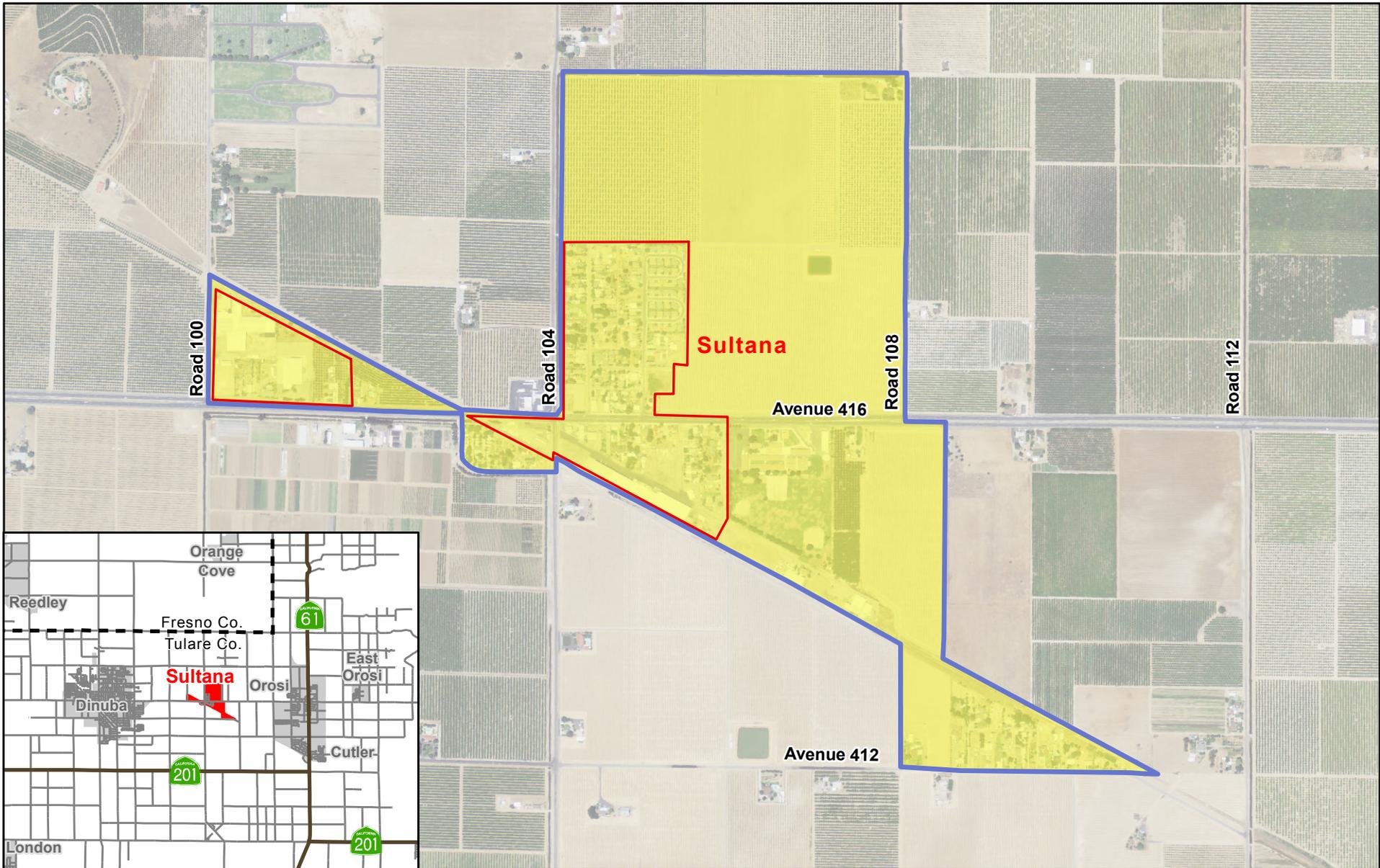
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Legend

- Project Limits
- East Orosi
- Disadvantaged Community (Source CA DWR)

Kings Basin Water Authority
 East Orosi CSD:
 Water Conservation & Meter Project
 DAC Map
2014 Drought Solicitation



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Legend

- Project Limits
- Sultana CSD
- Disadvantaged Community (Source CA DWR)

Kings Basin Water Authority
 Sultana CSD:
 Water Conservation & Meter Project
 DAC Map
2014 Drought Solicitation