

LAKE DON PEDRO COMMUNITY SERVICES DISTRICT 2015 IRWM Implementation Grant Proposal

DISADVANTAGED COMMUNITY ASSISTANCE

Determination of DAC Status

Disadvantaged Communities (DACs) are defined as communities with an annual Mean Household Income (MHI) that is less than 80% of the Statewide annual MHI (PRC Section 75005 (g)). Per Appendix G of the 2015 IRWM Grant Program Guidelines, 80% of the Statewide annual MHI is calculated as \$48,875 based on the American Community Survey (ACS) data for the years 2009-2013.

The applicant, Lake Don Pedro Community Services District (LDPCSD), is a special district that provides water to a population of approximately 3,200 people located in a community that overlaps Mariposa County and Tuolumne County. All of the proposed projects serve and benefit the entire service area of LDPCSD. Therefore, the area served by the proposed projects encompasses the entire LDPCSD service area. In addition, the Regional Water Use Efficiency Program project benefits LDPCSD as well as the remainder of Mariposa County, since the Program will be implemented out throughout the County.

The attached figure shows the District's service area boundaries and the boundaries of the DAC Census Places, DAC Census Block Groups, and DAC Census Tracts throughout Mariposa County, using the GIS files obtained from DWR's DAC Mapping Tool website. As shown in the figure, LDPCSD's service area overlaps with DAC census tract with the Tract ID Number 06043000200 and MHI \$46,150. The area of overlap between LDPCSD's service area and the DAC census tract is 7,532 acres, which is approximately 60% of LDPCSD's service area (12,521 acres). For all of Mariposa County, it is estimated that 17,000 of the entire county population of 18,251 is located within a DAC, including the communities of Mariposa, Midpines, Coulterville and Greeley Hill which will benefit from the program. In both cases, more than 25% of the geographic area and 25% of the population of the project beneficiaries are located in a DAC.

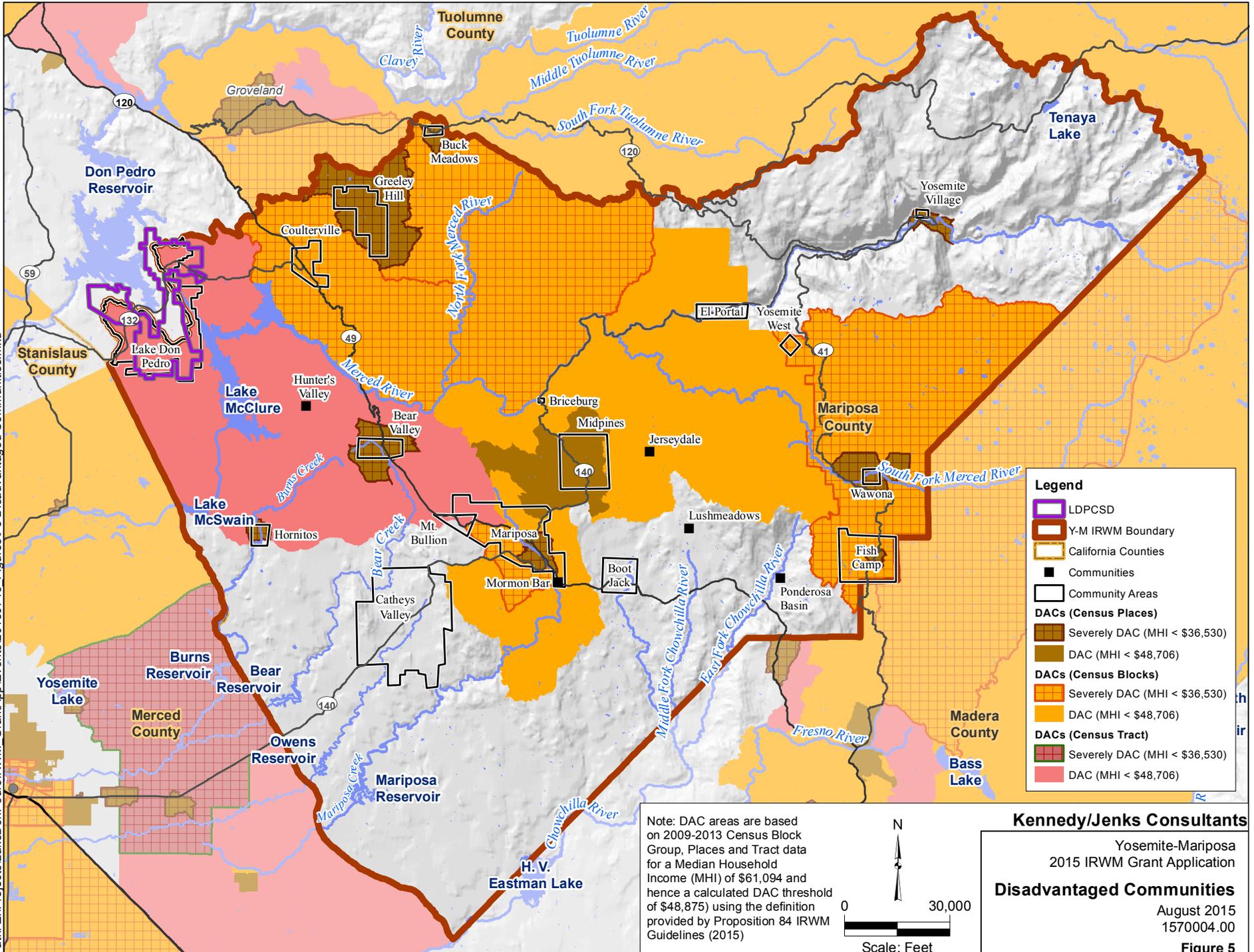
Meeting a Critical Water Supply Need of a DAC

LDPCSD's is in the midst of a critical water supply emergency. LDPCSD's primary source of water supply, Lake McClure, is projected to be so low by December 2015 that LDPCSD will no longer be capable of diverting water at its Barrett Cove floating pump station facility. The projects included in this grant proposal include measures that will provide new supply and support increased water use efficiency through development of new groundwater supply wells, water conservation, and replacement of aged and leaking water service lines, which will help alleviate the critical water supply emergency of the DAC that will be served by the proposed projects.

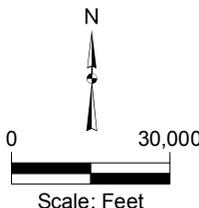
As described below for each project, all three proposed projects will meet the Critical Water supply Need identified in Table 9, page 85 of 2015 IRWM Grant Program Guidelines, "infrastructure renovations to a public water supply system necessary to assure continued reliability of the minimum quality and quantity of water."

- **Drought Emergency Groundwater Supply Wells Project:** The two wells proposed by this project will help LDPCSD address a critical supply shortfall that could occur as soon as December 2015 if LDPCSD is no longer able to divert water from Lake McClure. With the addition of the two new wells, LDPCSD will be able to meet 70% of its projected maximum day demand.
- **Regional Water Use Efficiency Program:** This program provides for key water use efficiency retrofits that will help save approximately 36 acre-feet per year (AFY) throughout LDPCSD and other areas of Mariposa County that is currently wasted and lost from the distribution system. This project is therefore a key component of LDPCSD's multi-pronged approach to help meet its critical water supply needs. This program will also provide County-wide water use efficiency benefits to a number of other communities in Mariposa County.
- **Service Line Replacement Project:** This project provides for key water distribution system improvements that will help save a quantifiable amount of water that is currently wasted through service line leakage and lost from the distribution system.

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Note: DAC areas are based on 2009-2013 Census Block Group, Places and Tract data for a Median Household Income (MHI) of \$61,094 and hence a calculated DAC threshold of \$48,875) using the definition provided by Proposition 84 IRWM Guidelines (2015)



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Figure 5

Source: DAC Areas, US Census American Community Survey (ACS) 5-Year Data: 2009 - 2013