

ATTACHMENT 8: DISADVANTAGED COMMUNITY ASSISTANCE

The Westside-Sacramento RWMG is a DWR approved water management group encompassing all of Yolo County, most of Lake County, parts of Solano and Napa counties, and the southern edge of Colusa County. The Westside IRWMP was adopted in 2013 and contains the projects that are proposed in the Westside-Sacramento 2014 Drought Funding Application. All five projects included with this proposal serve and benefit disadvantaged communities (DAC). The Mt. Hannah project, located in Lake County, serves a disadvantaged community which has critical water supply needs that must be addressed for health and safety purposes, and therefore is being submitted with a requested local funding match waiver. The other four projects, while each addressing DAC needs, already have funding match in place and are therefore not requesting a funding match waiver for this drought grant application.

Determination of DAC Status

DACs are defined as communities with an annual MHI that is less than 80 percent of the Statewide annual median household income (PRC Section 75005 (g)). The American Community Survey (ACS) of the U.S. Census is a source of estimates of MHI for use in determining if a community is a DAC. Using the DAC data for the years 2006-2010, 80% of the Statewide MHI is calculated to be \$48,706. DWR's DAC tool and GIS shape files were utilized to compare project locations with the boundaries of DACs in the State, at the census designated place, tract, and block group level.

Using the DWR DAC designation tool, the Paradise Valley, Spring Valley, City of Woodland (portions of the system), and Yolo County Flood Control and Water Conservation District projects all qualify as DACs. Figure 8-1 depicts the ACS survey data and DAC designations relative to the project and community locations. The Census tract area that encompasses the LCSD Mt. Hannah system does not show up in a designated DAC census tract. However, the small community supplied by the Mt. Hannah water system does meet the Statewide MHI income criteria of \$48,706 or less and therefore meets the requirements of a DAC. Lake County Special Districts (responsible agency for Mt. Hannah water system) has conducted an income survey confirming that Mt. Hannah has a median household income of just over \$30,000 per year, therefore qualifying the water system as a DAC.

The table below indicates the results of the Mt. Hannah income survey (with 35% of surveys processed) vs. Statewide MHI criteria.

DWR Drought Funding Application - DAC Criteria	Annual Income
Statewide MHI (qualifying DAC)	\$48,706
Mt. Hannah MHI - Income Survey (Avg.)	\$ 33,588

Since the Mt. Hannah system meets the DAC criterion, the project would be considered a DAC project for the purpose of waiving local cost share requirements for the entire water system. The entire proposed Mt. Hannah project costs of \$223,500 would be eligible for Application grant funding. Seventy percent (26 surveys) of the Mt. Hannah accounts are in the process of being surveyed, and final Mt. Hannah MHI data will be available upon request. App 8-1 contains the preliminary results of the Mt. Hannah income survey to date (as of July 18, 2014).

Description of DAC Critical Water Supply Need

The Lake County area has experienced dry conditions with below average rainfall in 2013 and 2014. Many local water systems have been impacted by the current drought including the Mt. Hannah water system. Mt. Hannah is a public water system serving a disadvantaged community that relies on groundwater for 100% of its annual water supply. Mt. Hannah has one (1) water well to serve the community. The dry conditions have caused groundwater levels to decline, impacting the water supply production capacity of the Mt. Hannah water well. In addition, the existing Mt. Hannah conveyance pipeline that runs from its water well to its water storage tank is leaking, causing significant water losses and low pressure conditions in the system. If this pipeline were to fail, the Mt. Hannah system would be without a water supply; therefore the reliability of this pipeline is critical to maintaining water service.

Lake County declared a drought emergency condition based on the drought impacts on Mt. Hannah's water supplies. The drought declaration specified severe water use restrictions on Mt. Hannah water customers until water supply capacity could be restored. Current water use in the Mt. Hannah service area is limited based on the well production capacity and water system pipeline losses to 35 gpcd, well below the minimum CDPH 55 gpcd water service level required for health and safety needs.

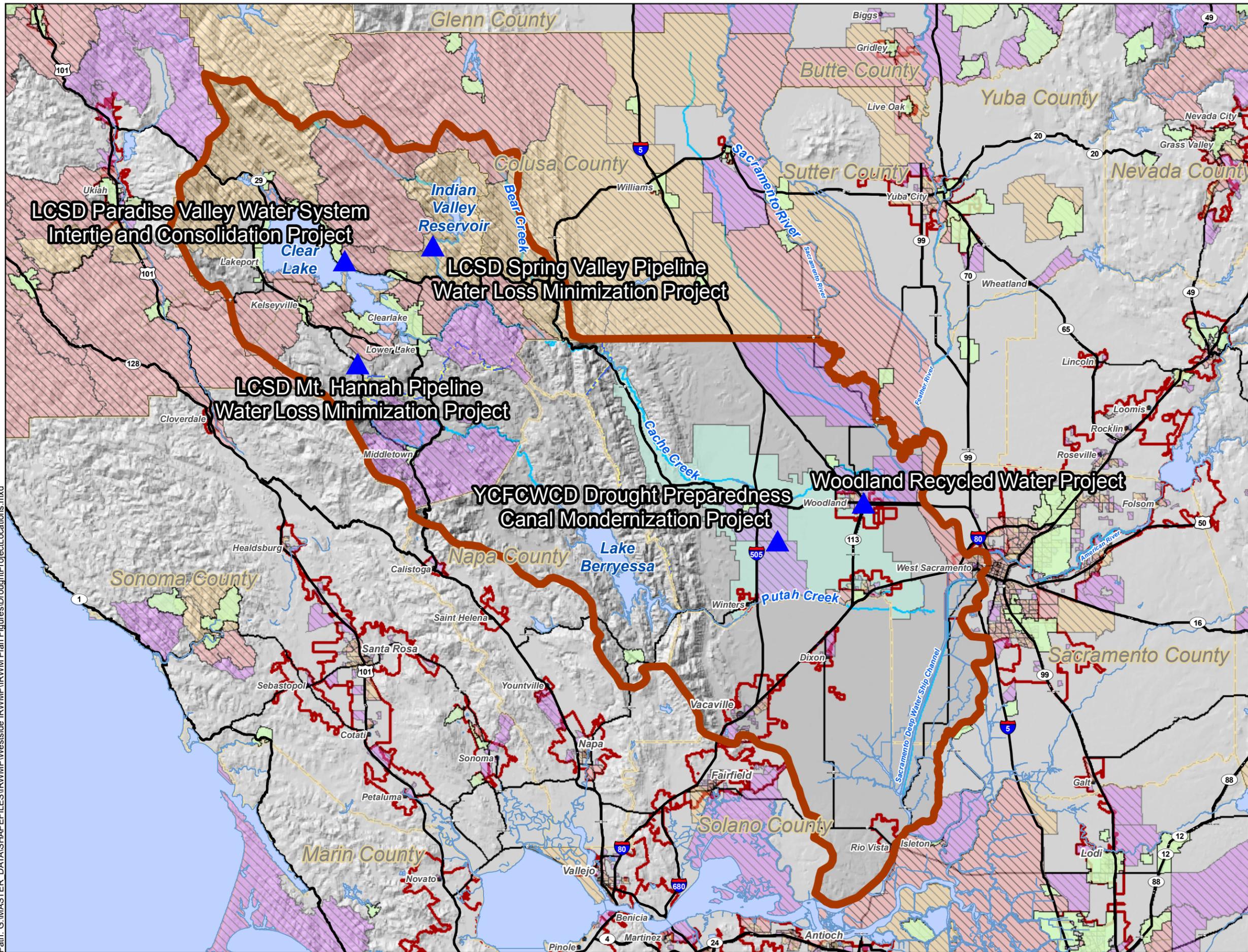
The proposed project would replace the existing 900 foot 6-inch water conveyance pipeline that connects water service between the water system well and water storage tank. The existing pipeline has significant leak losses (estimated at 900,000 gallons/year) and impacts system pressures and service reliability. This project was designated as meeting the Program Preference criteria for a DAC. The Mt. Hannah project meets the following critical water supply need criteria as outlined in

the table below (reference Table 9: Appendix G - DAC).

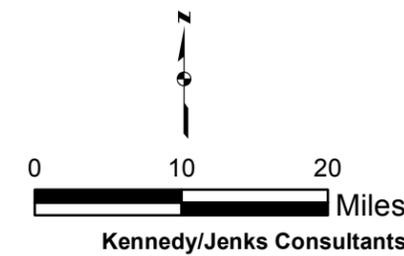
Mt. Hannah has identified a preferred project to improve the service level and reliability of its water system and qualifies as a DAC for the purpose of the Westside-Sacramento 2014 Drought Funding Application.

Critical Water Supply Need Criteria	Mt. Hannah Pipeline Water Loss Minimization Project
Infrastructure renovations to a public water supply system necessary to assure continued reliability of the minimum quality and quantity of water	Replacing 900 linear feet of leaking conveyance pipeline would assure delivery of minimum water service levels to CDPH minimum 55 gpcd standard for human health and safety needs.
Augmentation of inadequate water supply pressure in a public water supply system needed to prevent loss of system integrity and to maintain adequate fire protection flows	Replacing 900 linear feet of leaking conveyance pipeline would increase system pressures and increase delivery to maintain adequate fire protection flows by maintaining fire water storage. Currently minimum fire protection standards are not being met.
CDPH Safe Drinking Water SRF Priority List Ranking Criteria Category E. Water systems with water outages, significant water quantity problems caused by source water capacity, or water delivery capability that is insufficient to supply current demand.	The Mt. Hannah water system is under severe water use restrictions and is currently restricted to using less than 35 gpcd. The reason for this is that the water supply system including the well and transmission pipeline are incapable of meeting system demands. Replacement of the pipeline will greatly increase system reliability and make additional supplies (from water loss savings) directly available for water users.

Path: G:\MASTER_DATA\SHAPEFILES\IRWMP\Westside_IRWMP\Plan_Figures\Drought\Project_Locations.mxd



- Legend**
- Westside Region
 - City Boundaries
 - Project Location
 - County Boundaries
 - YCFCWCD District Boundary
 - Streams
 - Water Bodies
 - DACs (Census Places)
 - DACs (Census Tract)
 - DACs (Census Blocks)



Westside-Sacramento 2014 Drought Funding Application

Disadvantaged Communities

Appendix 8-1

Mount Hannah Income Survey Results		as of 7/18/14			
Utility A/R Client	Service Address	Parcel ID	Income	Household size	Own/Rent
2820010	9545 HANNAH DR SO	511511400	55,000.00	1	
2820261	9640 CARRIE LN	505211000			
2820123	9537 ADMIRAL WAY	500114400	9,600.00	2	Renter
2820040	9521 HANNAH DR NO	511410100	50,000.00	2	
2820190	9535 HANNAH DR NO	500113000	20,800.00	2	Renter
2820200	9530 ADMIRAL WAY	500113100	19,800.00	2	Renter
2820361	9543 LOVINA DR SOUTH	511520600	82,000.00	3	
2820171	9546 HANNAH DR SO	500114100			
2820360	9544 HANNAH DR SO	500112000	50,000.00	1	Own
2820211	9517 LOVINA DR NORTH	511420400			
2820330	9591 HANNAH DR SO	1150031000	100,000.00	2	Own
2820090	9538 HANNAH DR SO	500111100	65,000.00	2	Own
2820112	9532 HANNAH DR NO	500113900	-	0	Own
2820051	8907 SALMINA RD	505210200	16,029.00	1	Own
2820160	9529 HANNAH DR NO	511410500	43,200.00	3	Own
2820270	9537 HANNAH DR SO	500112800	50,000.00	1	Own
2820130	8915 SALMINA RD	505210800	4,800.00	1	Renter
2820070	9525 LOVINA DR NORTH	1150030300			
2820150	8913 SALMINA RD	505212100	14,712.00	1	Own
2820141	9626 CARRIE LN	505210600			
2820343	9564 HWY 175	1150034300			
2820355	9564 HWY 175	1150034300			
2820230	9526 ADMIRAL WAY	500113700			
2820240	9520 HWY 175	505212200			
2820311	9541 HANNAH DR SO	500112100			
2820020	9516 LOVINA DR NORTH	511411500			
2820080	9540 LAVINA DR SOUTH	511510800	-	0	0
2820280	9528 HANNAH DR NO	500110500	20,000.00	1	Own
2820362	9533 LOVINA DR SOUTH	511520100	7,500.00	1	Own
2820060	9541 ADMIRAL WAY	500113200	16,800.00	1	Own
2820180	9542 HANNAH DR SO	500111900	9,600.00	1	Renter
2820251	9548 HANNAH DR SO	500114200	Vacant	0	o
2820290	9550 HANNAH DR SO	500111700	Vacant	0	o
2820300	9539 HANNAH DR SO	500111300			
2820320	8905 SALMINA RD	505211600	23,723.00	2	Own
2820030	9539 ADMIRAL WAY	500113600			
2820220	9650 CARRIE LN	505211200	13,200.00	1	Renter
			671,764.00		
37 customers		Average	33,588.20	20 Responses received so far	
70 % =26 returns needed					