

Attachment 8: Disadvantaged Community Assistance

A majority of the population of the City of Santa Cruz's (City service area, as shown on Figure 8-1, meets the DWR criteria for disadvantaged community (DAC) with a median household income (MHI) less than \$48,706 which is 80% of the Statewide MHI. The water service area includes the City, the University of California Santa Cruz, part of the City of Capitola, and certain unincorporated areas of Santa Cruz County. Of the 91,291 customers, 48,795 (or 53%) are economically disadvantaged, have critical water supply and water quality needs, and will directly benefit from the two projects proposed by the City (51% of total grant requested). Santa Cruz County is among the most drought-impacted counties in California and is identified as an area of Exceptional Drought (D4) by the US Drought Monitor. The entire Santa Cruz region, including the DACs, is completely dependent on a local water supply.

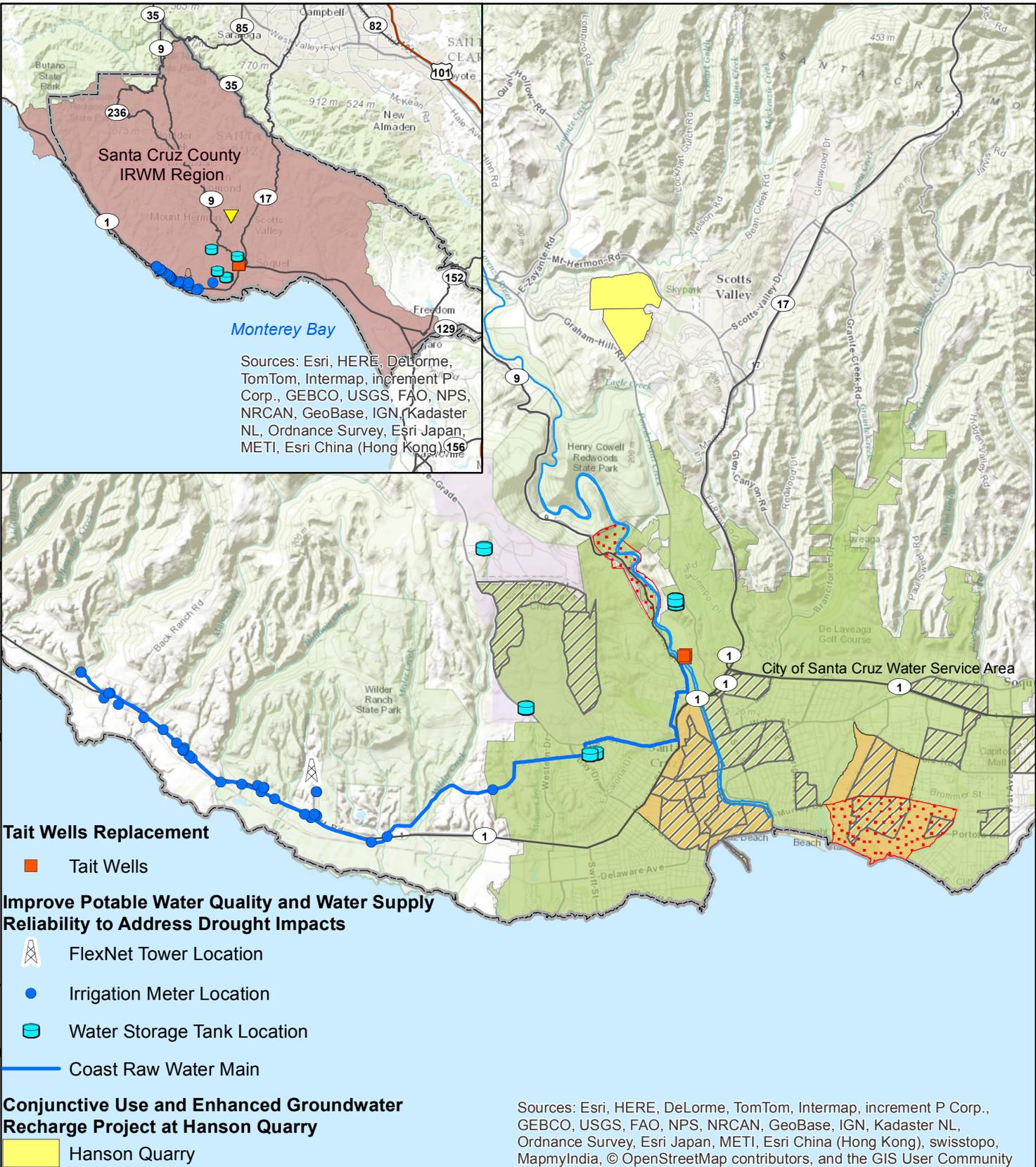
The projects titled "Tait Wells Replacement" and "Improve Potable Water Quality and Water Supply Reliability to Address Drought Impacts" both involve infrastructure renovations to the City's Santa Cruz water supply system necessary to assure continued reliability of the minimum quality and quantity of water. In 2009, a study of the Tait Street Diversion, the main diversion on the San Lorenzo River, concluded that all four of the Tait Wells have reached the end of their useful lives. The City proposes to replace two of the three active wells. This will provide access to groundwater under the influence of surface water and operational flexibility. Water from these wells will be less turbid and more reliable than flowing surface water, and will be available during times when the City must divert water from other sources for endangered species habitat and recovery.

One element of the second project addresses water quantity for DACs by improving the City's ability to manage the water supply from North Coast. Installing the FlexNet meters and tower will allow the City to manage agricultural water use more closely and ensure that sufficient flow is always maintained in the pipeline so that the City's pumps can pump. Currently, low suction pressure that results from high agricultural diversions from the North Coast pipeline does not allow City pumps to pump and limits use of the high quality water. Water from the North Coast sources is of the highest quality and is blended with other lesser quality sources to ensure drinking water standards are met throughout the City's service area.

Another element of the second project, installing aerators in five storage tanks will improve water quality for the DACs by reducing disinfection by-product formation associated with drought impacts. Increased water conservation has resulted in water being stored longer in the storage tanks and, as a result, formation of disinfection byproducts has increased. The problem is compounded by the City's need to rely more on water from Loch Lomond during this drought, which has a greater concentration of precursors to disinfection by-products. SVWD does not service any Disadvantaged Communities.

While the City's projects both benefit DACs, no reduction in matching contributions is requested.

\\SFOISGDATA\Z Drive\Projects\SantaCruzCo\Events\20140721 DroughtGrantApp\Fig8-1 DAC.mxd 7/16/2014



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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Tait Wells Replacement

- Orange square: Tait Wells

Improve Potable Water Quality and Water Supply Reliability to Address Drought Impacts

- Tower icon: FlexNet Tower Location
- Blue dot: Irrigation Meter Location
- Blue cylinder: Water Storage Tank Location
- Blue line: Coast Raw Water Main

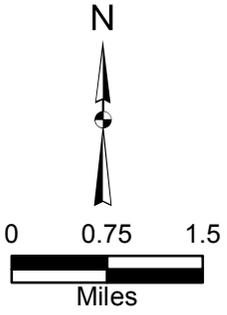
Conjunctive Use and Enhanced Groundwater Recharge Project at Hanson Quarry

- Yellow square: Hanson Quarry

Disadvantaged Communities

- Red dotted square: DAC Place
- Hatched square: DAC Block Group
- Orange square: DAC Tract

Notes:
 DACs identified using GIS files provided by DWR and derived from 2010 Census data



Kennedy/Jenks Consultants

Regional Water Management Foundation
 2014 IRWM Drought Grant Application
 Santa Cruz

Disadvantaged Communities Map

K/J 1468028*00
Figure 8-1