

Disadvantaged Community Mapping Tool

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Definition

Disadvantaged Community (DAC):

A community with an annual MHI that is less than 80% of the Statewide annual MHI (PRC §75005 (g))

DAC and IRWM – What's the Connection?

IRWM Plans • CWC §10540 requires that: IRWM Plans "shall address.....the Identification and consideration of the water-related needs of DACs in the area within the boundary of the Plan"

IRWM grant program

- DWR encourages DAC participation in IRWM through its grant program by:
- Giving preference to proposals that address critical WS or WQ needs of DACS (Program Preference) PRC §75026.(b)(6)
- DAC Funding Target
- Funding Match Waiver



The data behind the DAC Mapping Tool The American Community Survey

Formerly: MHI included in Decennial Census (US Census Bureau)Iast included in Census 2000

Replaced by: American Community Survey (ACS) (for socioeconomic data collection)

A nationwide, household survey conducted on a continuous basis (by US Census Bureau)

began surveys in 2005

The data behind the DAC Mapping Tool The American Community Survey

ACS MHI data are published for many "census geographies" including:

• Counties, Census: Places, Tracts & Block groups



Census Tracts – subdivisions of County 4,000 people



... with Block Groups - subdivisions of tracts 1,500 people

The data behind the DAC Mapping Tool The American Community Survey

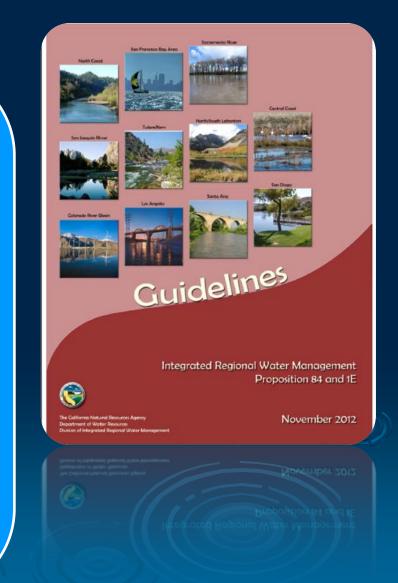
1-year estimate	3-year estimates	5-year estimates
12 months of data	36 months of data	60 months of data
populations of 65,000+	populations of 20,000+	Data for all areas/ populations of almost any size
Smallest sample size	Larger sample size than 1- year	Largest sample size
Less reliable than 3-year or 5-year	More reliable than 1-year; less reliable than 5-year	Most reliable (statistically)
Most current data	Less current	Least current
Best when	Best used when	Best used when
Analyzing large populations	Analyzing smaller populations Examining smaller geographies because 1-year estimates are not available	Analyzing very small populations Examining tracts & other smaller geographies as 1-year & 3-year estimates not available

ACS combines data & releases 1year, 3-year & 5year data products <u>EVERY YEAR</u>

Tracts & block group data released in 5-year data products <u>ONLY</u>

What do the IRWM Guidelines recommend?

"The applicant may use ACS" MHI data at the Census Place, tract or block group geographic levels to show whether a project serves a DAC, based on the geography that is the most representative for that community."

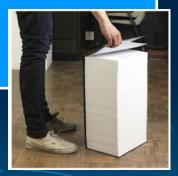


DAC Mapping Tool – Why Developed? WARNING MASS CONFUSION AHEAD

Some ACS data are published through:

- <u>American FactFinder (AFF)</u> website (no block group data)
- ACS Summary File (all data)

Technical manual warns.... "Experienced users only"





DAC Mapping Tool designed to make ACS/MHI data more accessible

✤ Key Features – 1st choose the map

http://www.water.ca.gov/irwm/grants/resourceslinks.cfm

DAC Maps

Note: Maps may take 25-45 seconds to load. However, if using an older web browser with slow internet speeds, recommended to use Internet Explorer 9 or newer, or Google Chrome as the web browser.

For guidance on how to use the maps and additional information view the following ReadMe File. [PDF] (85 KB)

- Map 1: DACs Alameda County to Lassen County (18 Counties) Beta 1.0
- Map 2: DACs Los Angeles County (1 County) Beta 1.0
- Map 3: DACs Madera County to Riverside County (14 Counties) Beta 1.0
- ** Map 4: DACs Sacramento County to San Diego County (4 Counties) Beta 1.0
- ** Map 5: DACs San Francisco County to Santa Clara County (6 Counties) Beta 1.0
- ** Map 6: DACs Santa Cruz County to Yuba County (15 Counties) Beta 1.0

GIS Files

- Census Block Groups [ZIP] (47.1 MB)
- Census Tracts [ZIP] (27.1 MB)
- Census Places [ZIP] (8.9 MB)

**For questions or comments on use of the DAC mapping tool, please submit an email to: <u>DWR_IRWM@water.ca.gov</u>. Tool."

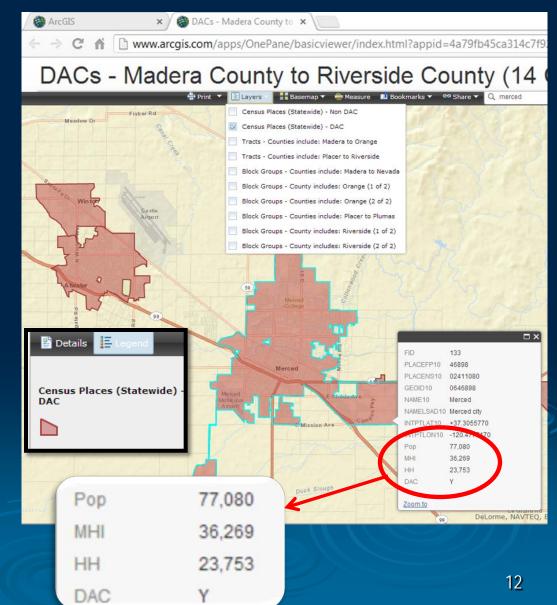


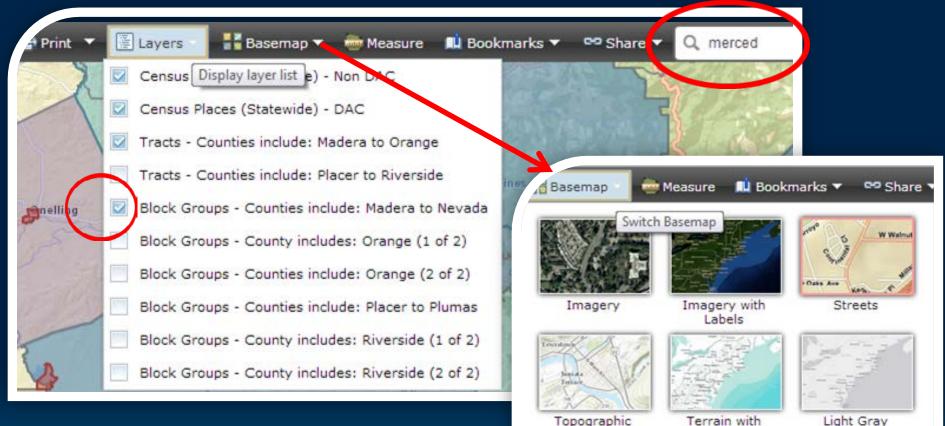
- Development
- Web-based & interactive by DWR
- ESRI's ArcGIS Online
- Need URL & web access No special software* or GIS skill needed
- ACS 5-year 2006-2010 data
- Identify DACs at place, tract
 & block group level
- Estimate: 80% of statewide annual MHI is \$48,706

Key Features:

- Turn on/off as needed
 - Census places, tract, and block group layers
- Search feature
- Different base maps
- Pop-ups click map feature for data (layer must be turned on)
- Standard zoom/pan functions
- > Print

Note: Default when open: only DAC "Census Places" layer on





- Select the layer(s) to turn on or off
- Search for town/autozoom
- Change basemap



Canvas

OpenStreetMap

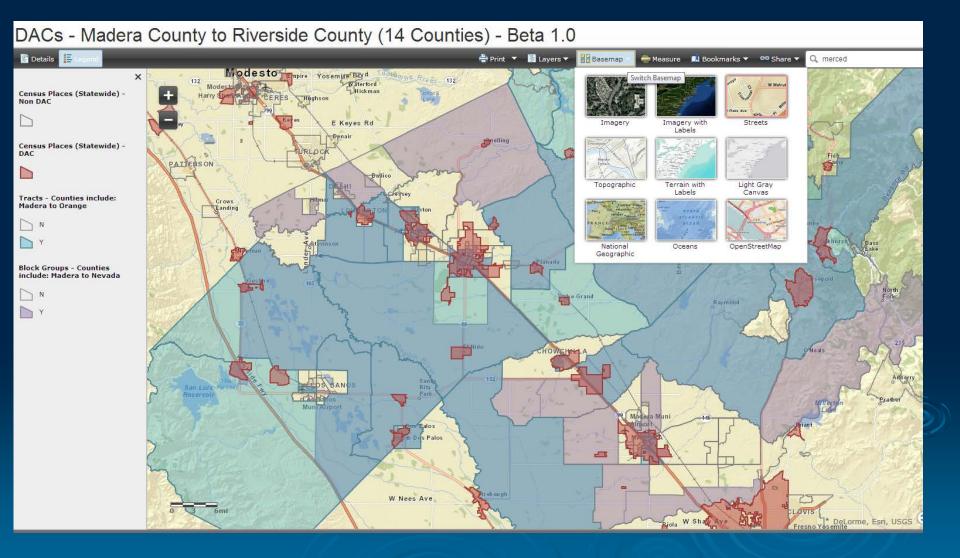
Labels

Oceans

National

Geographic

0 1 7 1



DAC Mapping Tool – Limitations

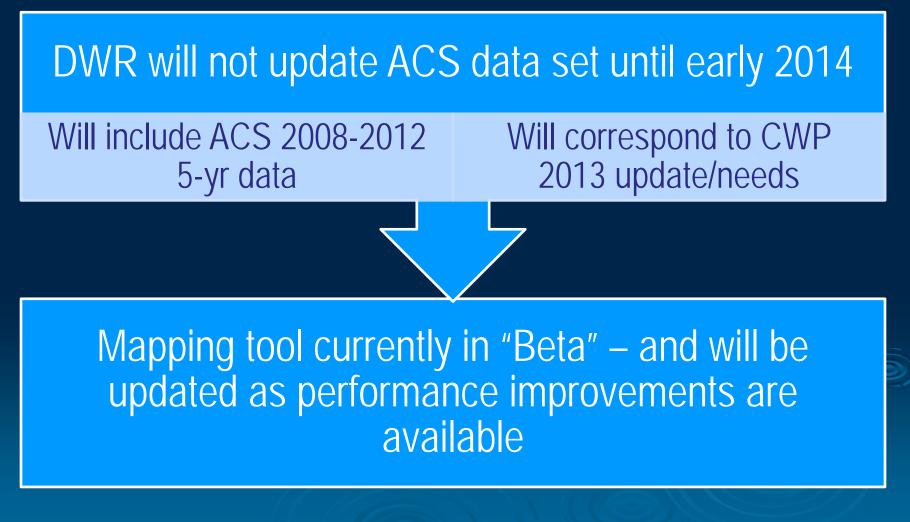
Map files are large which means:

Maps slow to load (25-45 seconds)

Maps may not load if using an older browser/slow internet connection (contact DWR)

Use Google Chrome (1st choice), or IE9 or newer, as your web browser

When will DWR update dataset/mapping tool?



Other Data Sources are Available to determine DAC status

GIS files used in tool are available to download (DWR)

 Statewide Coverage (Census: Place, Tract, Block Group)

Using different MHI data may be appropriate:

- Newer data set (ACS 2007-2011) released Dec. 2012
- Different geography (zip code, school district, etc.)
- 3rd party surveys
- Consult Appendix G of 2012 IRWM Guidelines

Useful Web Links... ...and Questions:



➤ DWR

- DAC Mapping Tool and GIS Data: <u>http://www.water.ca.gov/irwm/grants/resourceslinks.cfm</u>
- IRWM Proposition 84/1E Guidelines: <u>http://www.water.ca.gov/irwm/grants/docs/Guidelines/GL_2012_FINAL.pdf</u>

> US CENSUS BUREAU

- Homepage: <u>http://www.census.gov/</u>
- American FactFinder:

http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml

American Community Survey: <u>http://www.census.gov/acs</u>



Contact: Tanya.Meeth@water.ca.gov or (916) 651-9227