

Colonia Population Estimation

Data Users Conference

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 How do we count colonia populations? How do we estimate the socioeconomic and housing characteristics of colonia populations?

2010 Census Data

- Conducted on every person
- Conducted every 10 years
- Reported at the Block level
- Limited number of questions
 - 'Short form'
 - Population counts
 - Basic demographic data

2006-2010 American Community Survey 5-Year Estimates

- Conducted on a 1 in 6 sample
- Conducted every year
- Reported at the Block Group level
- Greater number of questions
 - Long form'
 - Population counts
 - Detailed demographic, economic, and housing estimates
 - Margin of Error

2010 Census Data

2006-2010 American Community Survey 5-Year Estimates

Population Data

- Total population counts
- Number of households
- Population living in households

Housing Data

- Total housing unit counts
- Vacancy status
- Tenure

Population Estimates

- Median household income
- Ratio of income to poverty
- Poverty status of persons

Detailed Housing Estimates

- Units in structure
- Year structure built
- House heating fuel

COLONIA

POPULATION

ESTIMATION

PROCESS

Define



Locate



Overlay Census Blocks



Select Blocks that Capture the Colonia



Tabulate Block Population

Many Colonia Definitions



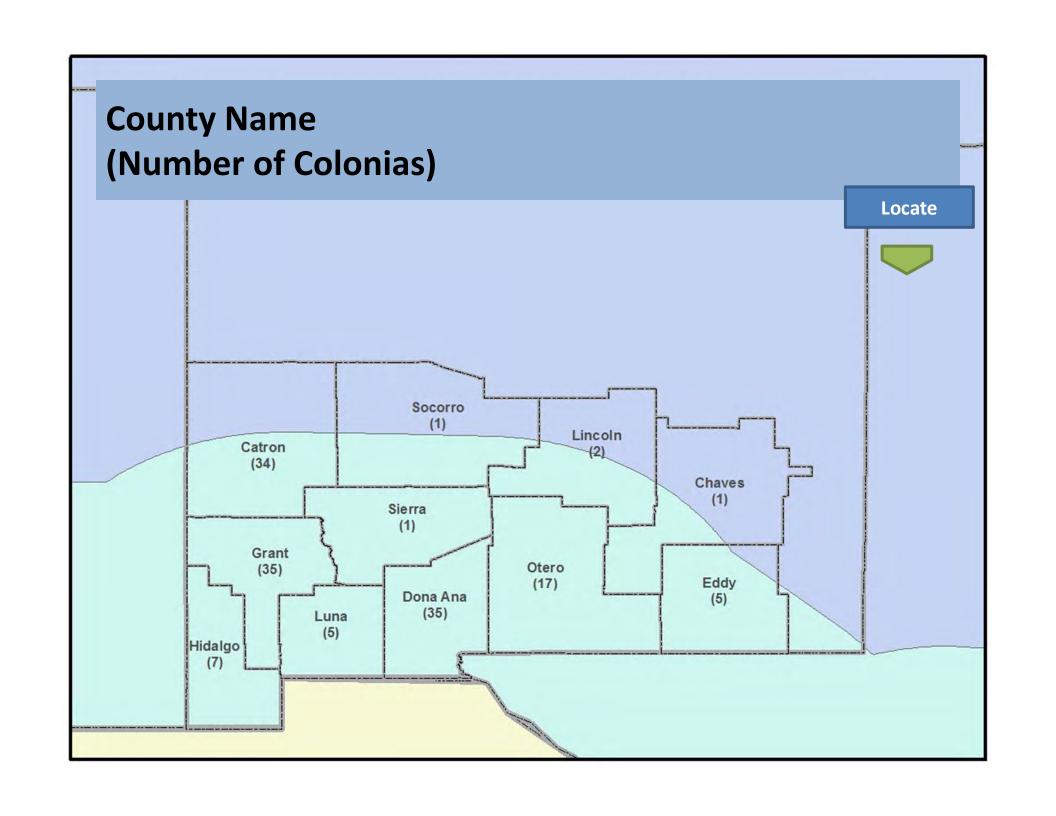
- U.S. Department of Housing and Urban Development
- U.S. Environmental Protection Agency
- U.S. Department of Agriculture Rural Development
- Common usage, i.e. Pajarito Mesa

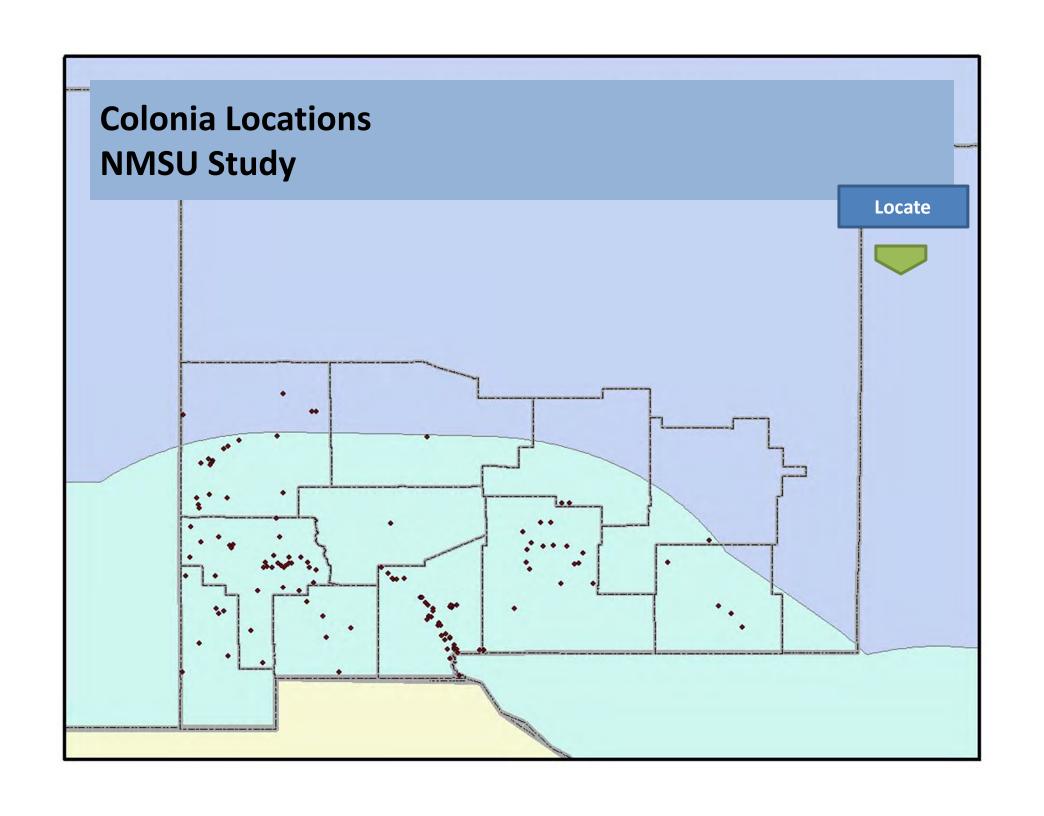
U.S. Department of Housing and Urban Development

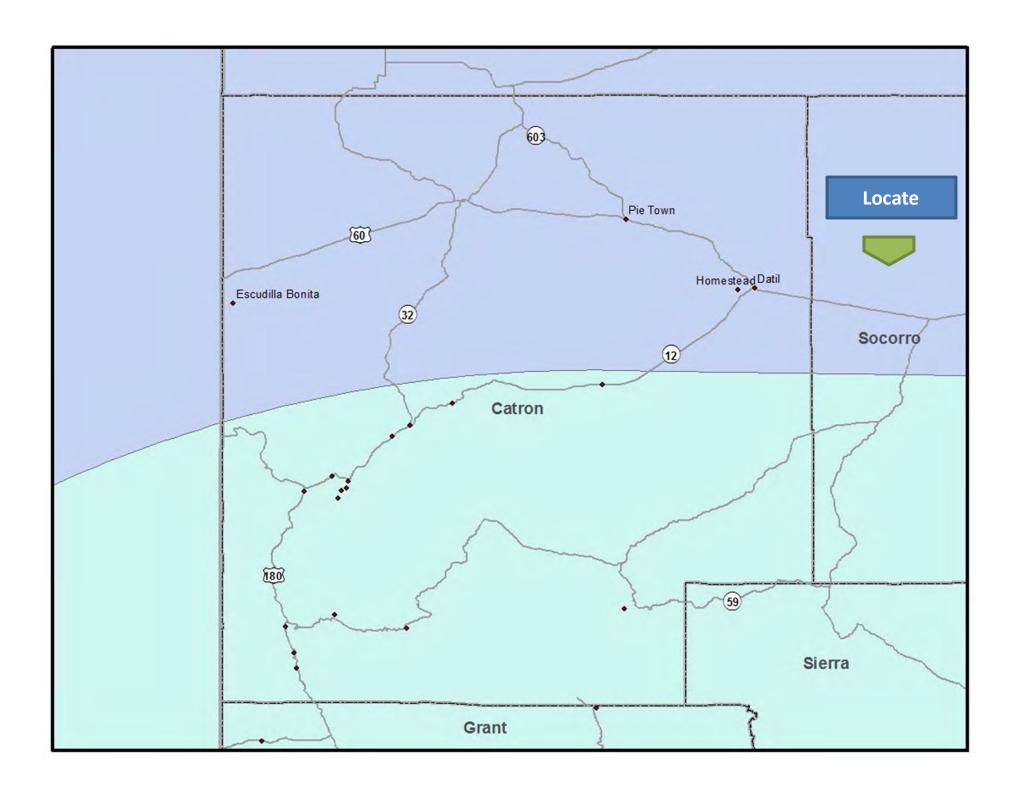


- Must be in Arizona, California, New Mexico, or Texas
- Must be within 150 mile of the U.S.-Mexico border
- Must not be within a metropolitan statistical area with a population greater than 1 million
- Must lack:
 - Potable water supply
 - Adequate sewage system
 - Decent, safe, and sanitary housing
- Must have existed before 1990 November

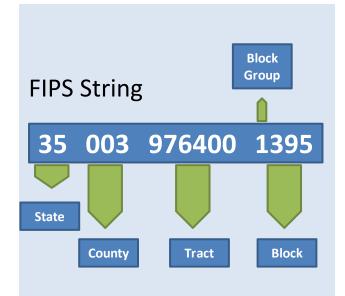
Define **HUD Colonia Definition**



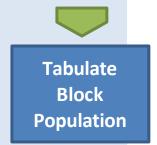




Pie Town Total Population



Candidate Colonia Blocks	Total Population
350039764001369	6
350039764001370	5
350039764001371	2
350039764001372	2
350039764001373	0
350039764001375	0
350039764001394	14
350039764001395	0
350039764001396	9
350039764001397	0
350039764001398	0
350039764001399	0
350039764001400	1
350039764001450	0
350039764001451	0
350039764001946	0
350039764001947	0
350039764001948	0
350039764001956	3
350039764001957	0
350039764001958	2
Total	44



COLONIA

SOCIOECONOMIC

AND

HOUSING

CHARACTERISTIC

ESTIMATION

PROCESS

Select Block Groups



Tabulate Block Group Population



Determine Reliability

Pie Town Total Housing Units

Select Block Groups

Colonia Name	Pie Town
Block Population	44
Block Group	Catron Co., CT9764, BG1
Block Group Population	1,923
% Block Population of Block Group Population	2%
Total Housing Units	1,701



Tabulate
Block Group
Population



Determine Reliability

Limitations:

- Population counts are only as accurate as census counts.
- Colonias may neighbor each other, but their extents can not be delineated through aerial photography.
- The colonia may be incorporated or a Census Designate Place and the method may produce different data and/or estimates.
- Reliability of colonia socioeconomic and housing characteristics varies greatly.

Useful links

- http://www.hud.gov/local/nm/groups/coloniasnm.cfm
- http://nmdfa.state.nm.us/Local Government.aspx
- http://donaanacounty.org/health/colonias/
- http://bber.unm.edu/colonias.htm

Thank you.

