CALIFORNIA GEOLOGICAL SURVEY

AGGREGATE SUSTAINABILITY IN CALIFORNIA

Fifty-Year Aggregate Demand Compared to Permitted Aggregate Reserves

By

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Fifty-Year Aggregate Demand Compared to Permitted Aggregate Reserves*

The pie charts show the projected 50-year demand for aggregate as of January 2011 compared to currently permitted aggregate reserves (in short tons). The 50-year demand for a particular study area is graphically represented by one of four pie diagram sizes. Study area boundaries are shown on the index map of aggregate studies (lower left).

** Permitted aggregate reserves are those portions of the resources for which local lead agencies (counties and cities) have issued mining permits. Non-permitted aggregate resource information is given in each aggregate study report. See accompanying text for references to these reports.*

Shasta County
52/93 Million Tons
21 to 30 Years

Tehama County
32/62 Million Tons
21 to 30 Years

Glenn County
33/59 Million Tons
21 to 30 Years

Yuba City-Marysville
392/403 Million Tons
41 to 50 Years

Nevada County
26/100 Million Tons
11 to 20 Years

Placer County
152/151Million Tons
More Than 50 Years

El Dorado County
18/76 Million Tons
11 to 20 Years

Sacramento-Fairfield
128/196 Million Tons
11 to 20 Years

Sacramento County
42/670 Million Tons
10 or Fewer Years

North San Francisco
110/521 Million Tons
11 to 20 Years

Stockton Lodi
232/436 Million Tons
31 to 40 Years

South San Francisco
404/1381 Million Tons
11 to 20 Years

Stanislaus County
45/214 Million Tons
11 to 20 Years

Eastern Merced County
50/100 Million Tons
21 to 30 Years

Western Merced County
Proprietary /.28 Million Tons
31 to 40 Years

Fresno
46/435 Million Tons
10-or Fewer Years

Monterey Bay
323/346 Million Tons
41 to 50 Years

Northern Tulare County
7/124 Million Tons
11 to 20 Years

Southern Tulare County
Proprietary / 73 Million Tons
21 to 30 Years

Bakersfield
143/438 Million Tons
21 to 30 Years

San Luis Obispo-Santa Barbara
75/240 Million Tons
11 to 20 Years

Ventura County
96/298 Million Tons
11 to 20 Years

San Fernando Valley-Saugus Newhall
77/476 Million Tons
10 or Fewer Years

San Gabriel Valley
322/809 Million Tons
11 to 20 Years

Palmdale
152/577 Million Tons
11 to 20 Years

Barstow Victorville
124/159 Million Tons
31 to 40 Years

Claremont-Upland
109/203 Million Tons
21 to 30 Years

San Bernardino
241/993 Million Tons
11 to 20 Years

Palm Springs
152/295 Million Tons
21 to 30 Years

Temescal Valley-Orange County
297/1,077 Million Tons
11 to 20 Years

Western San Diego County
167/1014 Million Tons
10 or Fewer Years

LEGEND

50-year demand that will not be met by existing permitted reserves.

Permitted aggregate reserves.

50-year demand is 25 to 200 million tons.

50-year demand is > 200 to 500 million tons.

50-year demand is > 500 to 800 million tons.

50-year demand is more than 800 million tons.

Examples

50-year demand for aggregate is 100 million tons; permitted resources total 25 million tons of the 50-year demand.

25/100 Million Tons (permited reserves/ 50-year demand)
17 to 20 Years (years of permitted reserves remaining)

50-year demand for aggregate is 510 million tons; permitted reserves are greater than or equal to the 50-year demand.

550/510 Million Tons (permited reserves/ 50-year demand)
More Than 50 Years (Years of permitted reserves remaining)

Areas With Short Term Aggregate Supply

< 10 years of permitted reserves remaining in the study area.

Aggregate Production Areas

(Symbols represent one or more aggregate mines, tonnage represents 2010 annual production)

- < 0.5 Million Tons per Year
- > 0.5 - 1.5 Million Tons per Year
- > 1.5 - 3 Million Tons per Year
- > 3 - 5 Million Tons per Year
- > 5 Million Tons per Year

Population

1 Dot = 100 Persons
(based on 2010 Census Data)

- City
- Interstate Route
- U.S. Route
- State Route
- Primary Highway
- Secondary Highway
- County Boundary
- River
- Lake/ Ocean

0 10 20 40 60
Miles
0 20 40 80
Kilometers

Scale: 1:1,100,000
Projection: Teale Albers
Datum: NAD 83

Aggregate Studies by California Geological Survey [1]

OFR = Open File Report [2]
SR = Special Report [2]

Footnotes:

[1] Study areas are displayed in several colors for clarity purposes.

[2] These reports can be obtained at:
Geologic Information and Publications
California Geological Survey
801 K Street, MS 14-34
Sacramento, CA 95814-3532
Tel: (916) 445-5716

Or visit our website:
http://www.conservation.ca.gov/Index/Pages/Index.aspx

Map Usage and Limitations

This map is intended to provide general information about the current availability of California's permitted construction aggregate reserves to state, regional, and local land-use planners and decision-makers. It is designed to assist planning agencies in considering construction aggregate needs in the regional planning process. However, the map is not intended to be used as the sole source of information about construction aggregate availability, or as the basis for site-specific land-use decisions. Although the statewide and regional information on this map may be useful to local decision-makers, the more detailed information contained in the referenced aggregate studies should be used for local land-use decision-making purposes.

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