



CALIFORNIA DEPARTMENT OF CONSERVATION
CALIFORNIA GEOLOGICAL SURVEY
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MAP SHEET RELEASE

MAP SHEET 52

AGGREGATE SUSTAINABILITY IN CALIFORNIA

By

John P. Clinkenbeard

California Geological Survey (CGS) Map Sheet 52, 1:1,100,000-scale, and this accompanying report provide general information about the current availability of, and future demand for, California's permitted aggregate reserves. Map Sheet 52 was originally published in 2002 and subsequently updated in 2006. Map Sheet 52 (2012) is an update of the version published in 2006.

Map Sheet 52 updates data from reports compiled by the CGS for 31 aggregate study areas throughout the state. These study areas cover about 30 percent of the state and provide aggregate for about 85 percent of California's population. This report is divided into three parts: Part I provides data sources and methods used to derive the information presented; Part II compares the updated 2012 Map Sheet 52 to the prior (2006) map; and, Part III is an overview of construction aggregate.

The estimates of permitted resources, aggregate demand, and years of permitted reserves remaining presented on Map Sheet 52 (2012) and in the accompanying report are based on conditions as of January 1, 2011 and do not reflect changes, such as production, mine closures, or new or expanded permits, that may have occurred since that time.

The following conclusions can be drawn from Map Sheet 52 (2012) and this accompanying report:

- In the next 50 years, the 31 study areas identified on Map Sheet 52 (2012) will need approximately 12 billion tons of aggregate.
- The 31 study areas currently have about 4 billion tons of permitted reserves, which is about one third of the total projected 50-year aggregate demand identified for these study areas. This is about 5.5 percent of the total aggregate resources located within the 31 study areas.
- Four of the aggregate study areas are projected to have 10 or fewer years of permitted aggregate reserves remaining as of January 2011.
- Thirteen of the 31 aggregate study areas have between 11 and 20 years of aggregate reserves remaining.
- Eight of the 31 aggregate study areas have between 21 and 30 years of aggregate reserves remaining.
- Three of the 31 aggregate study areas have between 31 and 40 years of aggregate reserves remaining.
- Two of the 31 aggregate study areas have between 41 and 50 years of aggregate reserves remaining.
- One of the 31 aggregate study areas has more than 50 years of aggregate reserves remaining.

The information presented on Map Sheet 52 (2012) and in the referenced reports is provided to assist land use planners and decision makers in identifying those areas containing construction aggregate resources, and to quantify potential future demand for these resources in different regions of the state. This information is intended to help planners and decision makers balance the need for construction aggregate with the many other competing land use issues in their jurisdictions, and to provide for adequate supplies of construction aggregate to meet future needs.

Aggregate Sustainability in California, by John P. Clinkenbeard, 2012, 27 pages, 1 plate, map scale 1:1,100,000. Hardcopy (rolled map) \$25.00 + \$8.00 shipping. Also available for download at <http://www.conservation.ca.gov/cgs/minerals/mlc/Pages/Index.aspx>.

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