Welcome to the Concrete Coalition

The Concrete Coalition is a network of individuals, governments, institutions, and agencies with shared interest in assessing the risk associated with dangerous non-ductile concrete buildings and developing strategies for fixing them. It is a program of the Earthquake Engineering Research Institute and its partners, the Pacific Earthquake Engineering Center at UC Berkeley, and the Applied Technology Council.

Click Here for news and recent activities

Recent Posts
- January 2009: Get Involved!
  Come to a workshop to learn how.
- Update from Project Director
  November 2008
- Update from Project Director
  August 2008
- June 2008: For Building
  Officials
- April 2008: Update from
  Concrete Coalition
- February 2008: Concrete
  Coalition receives FEMA/ES
  support-seeking
  Participation
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Retrofit with steel braces testing at E-Defence Japan

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California Inventory Project

The Concrete Coalition is building a network of volunteer engineers in California who will help gather information on the number and types of pre-1980 concrete buildings that exist in the state, and help understand the risk represented by these buildings.

The database to manage this information is under construction and will soon be ready, but in the meantime, volunteers can sign up for specific communities and/or review the community risk profile by clicking [here: Community Risk Profile](#).

Workshops are scheduled in January and February 2009 in Los Angeles and San Francisco to recruit volunteers and to discuss how to get started on a community profile. Click [here](#) for more information.
After reports are reviewed, they will be posted online here. You can gain access by clicking on jurisdiction name.
**Community Risk Profile Summary**

<table>
<thead>
<tr>
<th>Name of Jurisdiction</th>
<th>Los Angeles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population</td>
<td>3.3 million</td>
</tr>
<tr>
<td>Year of Incorporation</td>
<td>1850</td>
</tr>
</tbody>
</table>

**Year Structures Built**  

<table>
<thead>
<tr>
<th>Year</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990 to March 2000</td>
<td>5960</td>
</tr>
<tr>
<td>1995 to 1998</td>
<td>22,640</td>
</tr>
<tr>
<td>1990 to 1994</td>
<td>67,990</td>
</tr>
<tr>
<td>1980 to 1989</td>
<td>186,610</td>
</tr>
<tr>
<td>1970 to 1979</td>
<td>250,450</td>
</tr>
<tr>
<td>1960 to 1969</td>
<td>325,590</td>
</tr>
<tr>
<td>1940 to 1959</td>
<td>314,740</td>
</tr>
<tr>
<td>1930 or earlier</td>
<td>375,240</td>
</tr>
</tbody>
</table>

*Source: U.S. Census Bureau, Census 2000, Table DP-4*

**Application Notes**

*If this is the only page you fill out, this should be it.*

*If you have other data for these building types, you can attach a separate file(s) at the bottom of this page.*

*Look at the Basic Background worksheet for information on where to find some of these basic data.*

*These data will be taken from Table DP-4, Census 2000, U.S. Census, for each jurisdiction. We intend to fill out the table for each jurisdiction before you begin working on the form.*

**Total number of buildings:** 2.3 million

(Estimates can be one number or a range)

**Total number of pre-1980 bldgs:**

**Total square footage:**

**Total number of pre-1980 concrete buildings:** ~1800

**Total square footage of pre-1980 concrete buildings:** 315 million
We will provide these data for each jurisdiction.
Each community risk profile consists of:

**Community Risk Profile Summary**

And 5 other worksheets, which are meant to help you get to the “bottom line”—

How many buildings?
How many pre-1980 buildings?
How many pre-1980 concrete buildings?

You do not need to answer every question—they are meant to help you think through the problem, not to make work
The background worksheets are:
Basic Background Data
Building Inventory Data
Seismic Policies
Contacts in the community
Additional questions

You do not need to answer every question—they are meant to help you think through the problem, not to make work.
In the next few days, the form will be finalized on the website.

In the meantime, you can download the Excel file from the website—concretecoalition.org/California Inventory project—if you want to begin work.

You do not need to answer every question—they are meant to help you think through the problem, not to make work
To begin entering data online, you need to get a user name and password by contacting Marjorie Greene at EERI: mgreene@eeri.org
You will be able to create a new report, edit a report, and review suggestions for data sources.
Possible Data Sources

SUGGESTIONS FOR WHERE TO LOOK FOR COMMUNITY DATA:

- Talk to local building official, planning staff
- Look for general plan, comprehensive plan, safety element, disaster mitigation plan
- Look for seismic rehabilitation policies, ordinances
- Is there a Council of Governments such as ABAG or SCAG that might have data?
- Has the community replaced default building data in HAZUS with inventory data?
- Check with local HAZUS Users Group or planning/building staff
- Are there local engineers or architects who can describe particular buildings, or know the neighborhoods where these older buildings might exist?
- Could you look at assessor's data?
- Some cities have public databases such as ZIMA3 and LUPAMS in L.A.
- Everyblock.com will work for S.F., L.A. and San Jose
- Google Earth can help with a rough count of buildings per block, general type of building
- Sidewalk surveys for small cities or certain neighborhoods
- Work with building official to gain access to RealGuest, a county database, showing date of construction and material.
- Are there any other inventories, such as URM or older buildings, that might provide clues?
- Concrete Coalition steering committee members are in the process of obtaining hospital, school, university and court data for California jurisdictions, however
- If you have particular knowledge of such buildings, please include it either here or in the building inventory worksheet.

Resources that may have useful data:

Website and Excel file provide suggestions about where to look for data

We will soon post instructions about how to use Google Earth
Next Steps

- Once we have data from big cities/cities where we would expect to find significant numbers of these buildings, we need to decide which of these buildings represent the highest risk.
• Preliminary findings from our pilot cities—
  – 6—7 story buildings built in the late 50’s/60’s, with shear walls in one direction and frames in the other may be the buildings to focus on
  – May not be as many of these buildings as originally estimated (problem may be more manageable)
Lots of ways to approach data collection—each pilot city different
We need your help to really understand the nature of this problem.