

GEOLOGY_ACTIVE_FAULTS_CN



Tags

Faults, near-source shaking zones, earthquakes, Type A fault, Type B fault, magnitude, seismic, near-source shaking dataset, Building Code

Summary:

This dataset is to be used with the associated near-source shaking zones, GEOLOGY_NEAR_SOURCE_SHAKING_CN. Together, they digitally represent portions of the 1997 Uniform Building Code.

Feature Type: Line

Number of Records: 712

Publication Date: 2010-11-08

Date of Data (Temporal Period Extent): 1996-01-01

Extent: San Diego County

Extent in Longitude Latitude

North 33.433037
West -117.268173 **East** -116.080319
South 32.665118

Extent in the item's coordinate system

North 2101190.326668
West 6251028.183361 **East** 6613433.727984
South 1823284.749493

Description:

Active faults are those faults which are known to have been active during Holocene time within the past 11,000 years. These faults were classified as A or B in accordance with the criteria specified in 1997 Uniform Building Code Table 16-U (DMG, 1998). These faults, and their category, determine what building codes are to be employed during the permitting process. Type A faults are capable of producing magnitude 7.0 earthquakes or greater and have a high rate of seismic activity (a slip rate of at least 5 millimeters per year). Segments of the San Jacinto and Elsinore fault zones are included in this category. Near-source velocity effects

need to be considered in the design of buildings within 15 kilometers of a Type A fault. Type B faults are the majority of the rest of the seismogenic faults in California, and segments of the San Jacinto, Elsinore, and Rose Canyon fault zones are included in this category. Near-source velocity effects need to be considered in the design of buildings within 10 kilometers of a Type B fault.

Credits:

1997 Uniform Building Code. County of San Diego, Planning & Development Services, LUEG-GIS Service

Use Limitation:

This dataset is to be used with the associated Near-Source Shaking dataset.

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Topics and Keywords

Topic Categories: Geoscientific Planning Cadastral

Themes:

Faults, near-source shaking zones, earthquakes, Type A fault, Type B fault, magnitude, seismic, near-source shaking dataset

Places:

County of San Diego, California

Resource Details:

Status: Not specified
Type: Vector
Update Frequency: As Needed
Next Update: Not specified

Spatial Reference System:

Type: Projected
Reference: GCS_North_American_1983
Projection: NAD_1983_StatePlane_California_VI_FIPS_0406_Feet
Identifier: 2230
Codespace: EPSG
Version: 5.3(9.0.0)

Contacts:

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Distribution Ordering Instructions:

Data can be downloaded in shapefile format from the SanGIS Data Warehouse at <https://rdw.sandag.org/Account/Login>

Refer to SanGIS website (www.sangis.org) to obtain further information on mapping and data extraction services available from SanGIS.

Fields:

Overview:

Active Faults in San Diego County

FLT_NAME is the fault name
 FLT_ZN_NAM is the fault zone name
 FLT_AGE is the fault age
 SECT_NAME is the fault zone section name
 TYPE is the type of fault

__FID (OID)

Internal feature number.

Shape (Geometry)

Feature geometry.

FLT_NAME (String)

FLT_NAME is the fault name

FLT_ZN_NAM (String)

FLT_ZN_NAM is the fault zone name

FLT_AGE (String)

FLT_AGE is the fault age

HOL, Holocene period

HIS, Historic period

SECT_NAME (String)

SECT_NAME is the fault zone section name

TYPE (String)

TYPE is the type of fault. Type A faults are capable of producing magnitude 7.0 earthquakes or greater and have a high rate of seismic activity (a slip rate of at least 5 millimeters per year). Segments of the San Jacinto and Elsinore fault zones are included in this category. Near-source velocity effects need to be considered in the design of buildings within 15 kilometers of a Type A fault.

Type B faults are the majority of the rest of the seismogenic faults in California, and segments of the San Jacinto, Elsinore, and Rose Canyon fault zones are included in this category. Near-source velocity effects need to be considered in the design of buildings within 10 kilometers of a Type B fault.

A, Type A

B, Type B

SHAPE_LEN (Double)

Metadata Last Update: 2023-02-14

Regional GIS Data Warehouse (RGDW) Publication Stylesheet 1.4