

22 March, 11:44:21*. Intensity VI. (cont.)

INTENSITY V - Redwood City

Redwood City. Motion rapid, lasted about 1 second. Felt by all in community; frightened all in home. Windows, doors, and dishes rattled; house creaked. Hanging objects swung. Ground: Soil, level.

Redwood City. Moderate earth noises heard by few. Felt by and frightened all in strongly built wooden house (active). House creaked. Ground: Soil, compact, level.

Redwood City (3694 Country Club Dr.). Motion slow, lasted 30 seconds. Direction N-S. Moderate earth noises heard. Small crack in one wall. Ground: Rocky soil, level and sloping.

Redwood City (Cleveland and Jefferson Ave.). Motion rapid, lasted about 30 seconds. Direction E-W. Small objects shifted. Ground: Compact, level.

Redwood City (2734 Ohio St.). Motion rapid, lasted 30-45 seconds. Faint earth noises heard. Small objects shifted. Ground: Soil, adobe, compact, level.

Redwood City (2043 Maryland St., near Woodside Rd.). Motion rapid (vibration rather than motion), lasted about 30 seconds. Moderate earth noises heard. Small objects and furnishings shifted slightly. "Cement slab construction; very steady." Ground: Adobe, soil, compact, level.

INTENSITY IV - Redwood City

Redwood City. Locations reporting no shifted or fallen objects:

952 Castle Hill Rd.

928 Castle Hill Rd.

301 Beresford Ave.

1233 Alameda

61 Renato Court

169 Duane St.

290 Nevada St.

687 Lassen St.

3060 Broadway

408 Alameda de las Pulgas

107 Lakeview Way

93 Arch St.

1039 Hopkins

279 Santiago Ave.

1257 Foothill St.

98 Melanie Lane

2761 Spring St.

Richmond. Press reported huge beams of steel were shaken off storage racks at the Butler Manufacturing Company.

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Richmond (2801 Gaynor Ave.). V. Motion rapid, lasted 25 seconds. Direction S-N. Moderate earth noises heard. Small objects and furnishings shifted. Plaster wall cracked. Damage very slight.

Richmond (21st and Chanslor Ave., McVittie Annex Post Office). V. Motion rapid. Felt by many on first floor of strongly built building (active); frightened few. Moderate earth noises heard by observer at beginning of shock. Windows rattled; building creaked. Hanging objects swung. "Federal Building at 11th and Nevin shook considerably." Ground: Compact, level.

Richmond (Point Richmond, 737 Ocean Ave.). IV. Motion rapid, hammerlike, lasted about 10 seconds. Direction NW. Faint earth noises heard. "I was standing still, facing NW. Not nearly as much ground motion felt as during bridge blasting." Ground: Rocky, compact, sloping.

Richmond (central section). IV. At least three shocks felt. Motion rocking, E-W, rapid onset. Felt by several. Observer sitting in basement boiler room of new three-story brick and reinforced-concrete building. Ground: Gumbo.

Richmond (1117 Coalanga). III. Motion slow, lasted 30 seconds. Direction N. Loud earth noises heard. Ground: Level, filled in.

Richmond (2600 MacDonald Ave.). III. Motion slow, lasted 15 seconds. Direction E-W. Ground: Soil, level.

Richmond (2410 San Mateo). II. Motion slow, lasted about 20 seconds. Moderate earth noises heard. "So slight the direction was not discernible." Ground: Rocky.

Richmond (1903 Tassajara Ave.). II. Motion rapid, lasted 5 seconds. Loud earth noises heard.

Richmond (Point Richmond, 111 Western Dr.). II. Motion rapid, lasted about 5 minutes. Loud earth noises heard. Ground: Rocky, steep.

Rockaway Beach. Motion rapid. Moderate earth noises heard by many. Felt by all and frightened many in community. Windows, doors, and dishes rattled; house creaked. Hanging objects swung. Electric clock facing NE stopped. Small objects shifted and overturned. Plaster, windows, and walls cracked. Knickknacks and books fell. Dishes and windows broke. Damage considerable. "No damage to the post office but across the street houses were damaged by cracking plaster, and many articles were thrown from shelves and walls. Some homes in the community were badly affected, others not at all. My home shows no damage and very few objects fell from the shelves. The post office (built on cement) creaked, but there was no shifting of furniture, fixtures, or even small articles."

Rockaway Beach. Press reported cosmetic bottles broke in beauty salon; wall mirror broke in barber shop; acoustical ceiling cracked in real estate office.

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Rodeo. Motion rapid. Direction N-S. Faint earth noises heard by few. Felt by all and frightened few in community. Windows, doors, and dishes rattled; walls creaked. Hanging objects swung. Small objects shifted; vases overturned. Plaster cracked. Knickknacks fell. Damage slight. Ground: Rocky.

Ross. Motion rapid, lasted 6 seconds. Direction N. Loud earth noises heard by many. Felt by all and frightened many in community. Windows, doors, and dishes rattled; house creaked. Ceiling fixture broke loose. Trees, bushes shaken slightly. Small objects shifted and overturned. Plaster cracked. Damage slight. Ground: Level.

Ross (Foothill and Norwood). Motion rapid, vertical, and N. Loud earth noises heard. Bric-a-brac broke. Basement cement cracked. Damage slight. Stucco house. Ground: Soil, compact, level.

Ross (east side of Ross Valley). V. Motion rapid. Direction indoors SW. Clock stopped. Ground: Sloping; top of hill.

Ross (78 Bayview). III. Motion rapid, lasted about 1 minute. Direction N. Faint earth noises heard. Ground: Rocky, compact, steep.

Ross (1 Upper Rd.). Motion rapid. Ground: Rocky.

Saint Mary's College (Moraga). Motion rapid, lasted 6 seconds. Ground cracked. Damage slight to water pipes. Ground: Soil, compact, sloping.

Saint Mary's College (Moraga). V. Motion gentle, rolling, circular, gradual onset. Felt by most persons. Moderately loud rumbling and bumping earth noises heard by most persons before and during shock. Visible swaying of walls, chapel, and tower. Chandeliers in chapel swung slightly. "I was standing by window and heard rumbling and knocking sounds from hills in back of college. Sounds preceded motion by about 5 seconds. Motion was gentle, large amplitude, and sort of circular. Trees outside of window (in leaf) made a sort of swishing sound. Motion felt continuously for about 12 seconds by observer and others questioned." Ground: Sandy.

San Anselmo. Press reported ammonia line broke in meat market and market was a shambles from fallen merchandise.

San Anselmo (138 Alder Ave.). Motion rapid. Moderate earth noises heard. Plaster cracked in front bedroom (crack runs E-W). "Felt many aftershocks." Ground: Soil, sloping toward creek.

San Anselmo (224 Drake Blvd.). V. Motion rapid, lasted 20-30 seconds. Frightened all in community. "Strongest shock felt since 1906." Ground: Adobe.

San Anselmo. V. Motion rapid. Direction E-W. Loud earth noises from E-W heard by many. Felt by all and frightened many in community. Windows, doors, and dishes rattled; house

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creaked. Hanging objects swung E-W. Trees, bushes shaken
strongly. Ground: Soil, compact, sloping.

San Anselmo (58 Medway Rd.). V. Motion slow, lasted about 2-4
minutes. Direction seemed N-S. Moderate earth noises
heard. Two pictures shifted. Enlarged wall cracks. House
60 years old. Ground: Soil, sloping.

San Anselmo (33 Richmond Rd.). V. Motion rapid, lasted 30-40
seconds. Direction seemed NE. Loud earth noises heard.
Small objects shifted. Ground: Soil, compact, level.

San Anselmo (270 Butterfield Rd.). V. Motion rapid, brief,
vertical jolt, lasted 5 seconds. "I was on a ladder re-
moving leaves from carport roof. Ladder hopped upward
and at same time the composition roofing made flapping
noise against sheeting. Brick chimney and antenna rocked." Ground: Rocky, compact, level.

San Anselmo (Sleepy Hollow). V. Motion rapid, lasted 30 seconds.
Direction E-W. Faint earth noises heard. One small plaster
crack. Ground: Soil, compact, level.

San Anselmo (1556 San Anselmo Ave.). V. Motion rapid, lasted
about 1 minute. Furnishings rocked. Ground: Soil, compact,
sloping.

San Carlos. Motion rapid, lasted 10 seconds or less. Faint
earth noises heard. Factory building cracked to an unknown
extent. Ground: Soil.

San Carlos (Library). Motion rapid, lasted 20-30 seconds. Moder-
ate earth noises heard. Large plate glass window shifted
1/4 inch to one side and out of frame. Damage slight.
Ground: Soil, level.

San Carlos. Motion rapid, lasted few seconds. Moderate earth
noises heard. Small objects shifted. Plaster cracked.
Damage slight. Ground: Compact, level.

San Carlos (2702 San Carlos Ave.). V. Motion slow, rolling and
shaking, lasted 2 minutes or more. Loud earth noises heard.
Objects and furnishings shifted; beds, rocking horse, and
other objects moved; garage door moved. Ground: Soil,
compact, sloping.

San Carlos. V. Motion rapid, lasted 15 seconds. Felt by all;
frightened few. Loud earth noises heard 1 second before
shock. Windows rattled; walls creaked. Ground: Rocky soil.

San Carlos (49 Ensenada Rd.). V. Motion rapid, lasted few
seconds. Moderate rumbling earth noises, then thud. Hair-
line plaster crack (may be old crack).

San Carlos (128 Northam Ave.). V. Motion slow, lasted about 12
seconds. Small objects shifted E and SE. Fine, long
cracks in brick masonry of tall living room fireplace but
origin uncertain.

San Carlos (780 Cedar St.). V. Motion rapid. Faint earth noises
heard. Small objects shifted. Ground: Compact, sloping.

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San Carlos (173 Fairmont Ave.). V. Motion rapid, lasted 35 seconds. Direction N. Small objects and furnishings shifted slightly. Ground: Soil, level.

San Carlos (1015 Northwood). IV. Motion rapid, lasted 15-20 seconds. Direction indoors N. Moderate earth noises heard. Rafters creaked (stone house). Ground: Soil, compact, level.

San Carlos (362 Glenwood). III. Lasted 1 minute. Direction NE. Loud earth noises heard. Ground: Compact, sloping.

San Carlos (1503 Eaton Ave.). III. Motion slow, lasted about 10 seconds. Moderate earth noises heard. Ground: Soil, compact, level.

San Carlos (2079 Birch St.). III. Motion slow, lasted about 30 seconds. Faint earth noises heard. Ground: Compact, level, filled in.

San Carlos (122 Hillcrest Rd.). Loud blastlike noise like something collapsing heard. No motion felt; nothing shook. Ground: Rocky; on hillside.

San Geronimo. Motion rapid, lasted 30 seconds. Moderate earth noises heard by many. Felt by many in home; outdoors by others (quiet); frightened many in community. Windows, doors, and dishes rattled; walls creaked. Hanging objects swung. Trees, bushes shaken moderately. Small objects shifted; vases, etc., small objects overturned; knickknacks and pictures fell. Damage slight. Ground: Rocky, level.

San Geronimo. V. Motion rapid, lasted about 1 minute. Loud earth noises heard. "Ran from house." Ground: Compact, level.

San Jose. Press reported plaster fell from the second-story walls of the old Santa Clara County Courthouse.

San Jose (Winchester Mystery House). V. Motion rapid. Moderate earth noises heard. Overhead pipes and floors swayed. Ground: Soil.

San Jose (3180 Todd Way, Cambrian District). V. Motion slow, rolling, like sitting on flowing mud. Direction N. Faint earth noises heard. Pictures on walls shifted. "Damage slight to nerves." Ground: Rocky soil, compact, level.

San Jose (86 S. Third St.). IV. Motion rapid, lasted 30 seconds. Direction S-N. Felt by all (sitting) on third floor of strongly built concrete building. Hanging objects swung. Ground: Soil, compact, level.

San Jose (1262 University Ave.). IV. Motion rapid, up and down and N-S, lasted 40-50 seconds. Loud earth noises preceded shock. Light fixtures swayed. Ground: Soil, compact, level.

San Jose (30 Kirk Ave, E). IV. Motion rapid, followed by undulating motion, momentary duration. Doors and windows rattled. Ground: Adobe, compact, sloping.

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San Jose (east foothills section). IV. Motion rapid, lasted 15 seconds. Joggled pictures on wall; floor lamp and windows rattled. Ground: Soil, compact, sloping.

San Jose (1714 Montemar Way). IV. Lasted about 1 minute. Moderately loud earth noises heard. Hanging light fixtures swayed; table lamps rattled. Ground: Soil, compact, level.

San Jose (485 So. Willard St.). III. Motion slow at first, then rapid, lasted 2-3 minutes. Loud earth noises heard. Ground: Soil, level.

San Jose (1000 No. 4th St., grocery store). III. Motion moderate, lasted 30 seconds. Nothing moved in store. Ground: Soil, compact, level.

San Jose (1377 Yosemite Ave.). III. Motion slow at first, then rapid. Faint earth noises heard. Ground: Adobe, level.

San Jose (282 Younger, north San Jose). III. Motion slow, lasted 3 seconds. Ground: Alluvium, level.

San Leandro (1650-138th Ave.). Motion moderate, lasted 15-20 seconds. Faint earth noises heard. Small objects shifted. Plaster cracked. Damage slight to concrete. Ground: Level.

San Leandro (1105 First Ave.). V. Motion rapid, lasted 20 seconds. Loud earth noises heard. Small objects and furnishings shifted.

San Leandro. V. Motion rapid, lasted 30 seconds. Moderate earth noises heard by many. Felt by all (active) on first floor of strongly built cement-block post office building; frightened few. Windows and doors rattled. "Strong shock. Seemed to be in two pulses, the second of which was more prolonged." Ground: Soil, level, compact.

San Leandro (1165 Grove St.). V. Lasted 30 seconds. Direction E-W. "Was outdoors and felt as if I had lost my sense of balance." Ground: Soil, level.

San Leandro. IV. Motion slow, lasted fully a minute. Felt by many. Dishes and chandelier rattled; chandelier swung in circle. "Sitting at table writing letters when a rocking motion was felt which seemed to gain in magnitude, leveled off, then was repeated. Other minor shocks noticed by hearing light bulb rattle in chandelier. These occurred at 15:14 and 18:48." Ground: Rocky soil, sloping.

San Leandro (16341 Foothill Blvd.). IV. Motion slow, like a wave, and up and down. Faint earth noises heard. Spoon (upside down) on table rolled back and forth. House creaked. "Birds went wild." Ground: Soil, sloping.

San Leandro (16300 Foothill Blvd.). III. Motion moderate, lasted about 45 seconds. Moderate earth noises heard. Ground: Sloping.

San Leandro (14764 Lark St.). III. Motion slow, lasted about 30 seconds. Moderate earth noises heard. Ground: Soil, compact, level.

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San Leandro (858 E 14th St.). III. Motion rapid, lasted 3-4 minutes. Moderate earth noises heard. Ground: Soil.
San Leandro (16263 Maubert Ave.). Motion rapid. Earth noises like airplane passing overhead heard. Ground: Compact, level.
San Lorenzo (15701 Lorenzo Ave.). Strong shaking, then rolling, lasted about 1 minute. Direction E. Faint earth noises heard. Small objects shifted. Hanging lamps swayed. Plaster cracked. Damage slight. Ground: Filled in.
San Lorenzo (199 Devonshire Ave.). Motion rapid, lasted 1-2 minutes. Wall heater shook. Slight crack over door. Ground all cracked." Ground: Compact, level.
San Lorenzo (188 Hubbard Ave.). V. Motion slow, with rumble and rattle; feeling of imbalance. Small objects shifted. "Apparently those outdoors here didn't feel it."
San Lorenzo (91 Via Lasqua). V. Motion rapid, lasted several seconds. Moderate earth noises heard. Small objects and furnishings shifted. Ground: Level, filled in.
San Lorenzo (15323 Vassar Ave.). V. Motion rapid. Loud earth noises heard. Observer very frightened. Ground: Soil, level.
San Lorenzo (17152 Via Media). III. Motion rapid, rolling, lasted 3 minutes. Moderate rumbling earth noises heard. Ground: Soil, compact, level.
San Mateo. Press reported the 11-story apartment house at 120 West Third Avenue lost several windows. A number of homes and stores reported broken windows, fallen plaster, and minor wall cracks. Mills and Community hospital attendants said patients did not panic. Some patients thought heavy equipment was being moved down the corridor. Damage was confined to small plaster cracks. Racetrack patrons and workers ran from the grandstand and clubhouse at Bay Meadows. The peninsula overpass lighting system was damaged and three electroliers were either broken or left hanging by wiring.
San Mateo (25th Ave.). Motion rapid, lasted 3 minutes. Moderate earth noises heard. Small objects shifted. Plaster and ground cracked. Damage slight. Ground: Level, filled in.
San Mateo (Macy's Hillsdale Store). Motion rapid, lasted 30 seconds. Direction N-S. Loud earth noises heard. Small objects shifted. Plaster cracked. Damage slight. Ground: Level.
San Mateo (661 Edna Way). Motion rapid, jolting, shuddering, lasted 20-30 seconds. Moderate earth noises heard. Small objects, furnishings, and refrigerator shifted. Ground: Soil, compact, level, filled in.
San Mateo (277-42nd Ave.). Motion slow, lasted about 30 seconds. Direction N. Loud earth noises heard. Plaster cracked. Damage slight. Ground: Rocky, steep.

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San Mateo (304 Cavanaugh St., Shoreview District). Motion slow, then rapid and shuddering. Faint rumbling earth noises like a heavy truck passing heard. Baby food in cupboard shifted. Bookcase broke and books tumbled to floor.

Damage slight. Ground: Level, filled in.

San Mateo (378 N. Delaware). Motion rapid, lasted 20 seconds. Moderate earth noises heard. Small objects and furnishings shifted. Plaster cracked. Damage slight. Ground: Compact, level.

San Mateo (625 S. Delaware). Motion rapid, lasted about 30 seconds. Direction E. Loud earth noises heard. Sidewalk cracked. Ground: Soil, compact.

San Mateo (580 Remillard). Motion rapid, vertical. Plaster cracked. Ground: Level.

San Mateo (262 W. 37th Ave.). Motion rapid, lasted about 1 minute. Direction N. Loud earth noises heard. Small objects shifted. Cement in garage cracked. Ground: Compact, sloping.

San Mateo (529 W. Poplar). Motion rapid, lasted about 30 seconds. Direction N-S. Moderate earth noises heard. Small objects and furnishings shifted. Plaster cracked. Damage slight to concrete and plaster. Ground: Soil, sloping.

San Mateo (745 Birch St.). Motion rapid, lasted 1 minute. Direction N-S. Faint earth noises heard. Small objects shifted; ornaments fell to floor. Plaster cracked behind fireplace. Ground: Soil, level.

INTENSITY V - San Mateo

San Mateo. District Superintendent of the San Mateo Elementary School District reported no damage was found in the schools. Skylight may have cracked in the San Mateo High School gymnasium but it was not certain whether this was caused by the earthquake. The High School superintendent was returning to his office by auto and did not feel the shock.

San Mateo Junior College (Coyote Point). Mild swaying motion. Closed the shutoff gas valve in one of the buildings.

San Mateo (97-21st Ave.). Small objects shifted.

San Mateo (848 Katherine, south Shoreview District). Objects shook. Folding chair fell from shelf in garage. Ground: Filled in.

San Mateo (220-8th Ave.). Old cracks slightly enlarged. Damage slight. Ground: Soil, compact, level.

San Mateo (25th and Flores). Objects fell from shelf in Draeger's store. Ground: Compact, level. "Immediately after the shock I went down to the 37th Street supermarket and they had not even felt the shock."

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INTENSITY V - San Mateo

San Mateo (3041 Hacienda St.). Small objects shifted; two vases overturned. Ground: Soil, compact, level.

San Mateo (10 De Sabla Rd., 19th floor). Small objects shifted; dishes broke. Ground: Level.

San Mateo (Hillsdale apartment). Small objects shifted: one dish. Ground: Soil, level, filled in.

San Mateo (317 Estrella Way). Small objects and furnishings shifted. Ground: Soil, compact, level.

San Mateo (328 Greenfield, south San Mateo, near Belmont, in hills). Paintings on E-W wall shifted. Ground: Rocky soil, compact, sloping.

San Mateo (65-A E. 40th Ave., Hillsdale area). Small objects and furnishings shifted. Ground: Soil, compact, level.

San Mateo (135 Chestnut Lane, Hillsdale area). Pictures swayed. Ground: Soil, level.

San Mateo (253 W. Third Ave.). Pictures shifted. Ground: Soil, level.

San Mateo (117 Robles Ave.). Small objects shifted. Ground: Compact, level.

San Mateo (601 Maple St.). Small objects and furnishings shifted. Two dishes broke. Damage slight. Ground: Soil, level.

San Mateo (660 W. Hillsdale Blvd.). Small objects shifted. Ground: Rocky soil, level, filled in.

San Mateo (1750 Celeste Dr.). Small objects and furnishings shifted slightly. Loosened cork tile. Damage slight. Ground: Level, marshy, filled in.

INTENSITY IV - San Mateo

San Mateo. Locations reporting no shifted or fallen objects:

4102 Beresford St.
1755 Ivy St.
4020 Alameda
1709 Date Ave.
205 E. Third St.
55-4th Ave.
329 E. 39th Ave.
1417 Nadina St.
510 Georgetown
Villa Terrace
5th Ave. (playground)

San Rafael (159 Glen Park). Motion rapid, lasted few seconds. Moderate earth noises heard. Small objects and furnishings shifted, also washing machine in garage. Garage floor,

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chimney, and concrete wall in yard cracked. Damage slight.
Ground: Soil, compact, level.

San Rafael. Motion slow, lasted 20-30 seconds. Direction SW-NE.
Moderate earth noises heard. "Two large Western Transport
truck and trailer combinations (in gear) rocked back and
forth 2 feet and moved back NE about 8 inches." Ground:
Level, filled in.

San Rafael (1752 Lincoln Ave.). Motion rapid. Very loud earth
noises heard. Plaster cracked. "Blast then roar. My
house seemed to bounce up and down. I thought it was
going right off the foundation. Also felt two other heavy
shakes and subsequent minor ones." Ground: Level, filled
in for over 50 years.

San Rafael (4th and B Sts.). Motion slow, steady, lasted about
5 seconds. Direction E-W. Rumbling earth noises heard.
Small objects and furnishings shifted. Plaster cracked.
Damage slight. Ground: Compact, level. Four-story brick
building, steel beams.

San Rafael (311 Locust St.). Motion slow, lasted about 5 seconds.
Direction indoors W-E. Small objects shifted. Plaster
cracked. Ground: Compact, sloping.

San Rafael. Press reported windows broke in the Marin County
Courthouse and in the Isabel Cook Elementary School.

INTENSITY V - San Rafael

San Rafael (Mary E. Silvera School). Motion slow, lasted about
30 seconds. Direction E-W. Loud earth noises heard.
Books in bookcase, pencils, etc., shifted. Ground: Soil,
compact, level.

San Rafael (316 Laurel Place). Motion rapid, trembling, swaying.
Direction E-W. Loud earth noises heard. "Our back garden
is about 50 by 100 feet, with many shrubs and a tall pine
tree. I think most of the sound was caused by the needles
of the tree and leaves of the shrubbery rubbing together.
I could see the house tremble. Do not recall a first
violent jerk, only the rocking and swaying." Ground:
Yellow clay, sloping; deep excavation.

San Rafael (145 Corte Anita, Greenbrae). Motion rapid, lasted
10 seconds. Direction NE. Moderate earth noises heard.
Small objects shifted. Ground: Rocky, sloping.

San Rafael (24 Hacienda Court). Motion rapid, lasted about 1½
minutes. Faint earth noises heard. Dishes shifted.
Ground: Rocky, sloping.

San Rafael (320-3rd St.). Motion rapid, lasted 45 seconds. Faint
earth noises heard. Small objects and furnishings shifted.
Ground: Compact.

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INTENSITY IV - San Rafael

San Rafael. Locations reporting no shifted or fallen objects:

26 Inverness Dr., Loch Lomond
38-B Jessup St.
1867 Lincoln Ave.
217 Brete Harte Rd.
58 Hill View Ave.
22 Ranch Rd.

Santa Rosa. Press reported this was the strongest shock felt in Santa Rosa since 1906. Frightened and excited persons jammed telephone switchboards with calls. At the 49-year-old County Courthouse hundreds of fine paint cracks (stated to be new) were found in an outer wall of an old two-level vault in the County Administrator's office. A large globe-like lighting fixture hanging from a chain over a top-floor stairwell swung for 5 minutes after the shock; swinging courtroom doors flapped. Liquor display fell in one store. In another store dress racks "looked like they would fall." Many ran to the streets in downtown and residential areas, and many suffered dizzy spells.

Santa Rosa. Motion rapid, lasted 30 seconds. Direction E-W. Faint earth noises heard by few. Felt by all in community; frightened few. Windows, doors, and dishes rattled. Pendulum clocks facing E stopped. Trees, bushes shaken strongly. Small objects overturned; knickknacks and books fell. Damage slight. Ground: All kinds.

Santa Rosa (410 Carrillo St.). Motion rapid, heavy, lasted 1-1½ minutes. Direction E-W. Plaster and chimneys cracked. Damage slight to masonry. Ground: Compact, level.

Santa Rosa (540 Southwood). Motion slow, lasted 5-8 seconds. Direction NE. Small objects shifted. Plasterboard cracked some. Damage none to slight in the area. Ground: Rocky.

Santa Rosa (619 Brittain Lane). V. Motion slow, lasted 2 minutes. Small objects shifted. Ground: Soil, compact, level.

Santa Rosa (NE section). V. Motion rolling, swaying, abrupt onset. Felt by many. Bells rang. Visible swaying of buildings. Ground: Rocky.

Santa Rosa (3176 Rocklin). IV. Motion rapid to slow, lasted 5-10 seconds. Faint earth noises heard. Cups on saucers moved. Ground: Adobe soil, level.

Santa Rosa (1620 Humboldt St.). II. Motion slow. Direction N. Ground: Soil, level.

Santa Rosa (2731 Claremont Dr.). II. Motion slow, lasted about 30 seconds. Ground: Compact, level.

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Sausalito. Motion rapid. Loud earth noises from N heard.

Felt by all and frightened many. Windows, doors, and dishes rattled; house creaked. Hanging objects swung. Trees, bushes shaken strongly. Small objects shifted and overturned. Plaster and windows cracked. Knick-knacks, books, pictures, and plaster fell. Dishes and windows broke. Damage considerable. "Several very sharp shocks felt." Ground: Soil.

Sausalito (87 San Carlos Ave.). Motion rapid, lasted 30 seconds.

Direction N-S. Loud earth noises heard. Small objects shifted. Plaster and walls cracked. Damage slight. "Knocked my daughter out of bed and me to the floor." Ground: Rocky soil, compact, steep.

Sausalito (721 Bridgeway). Motion rapid, lasted 15 seconds.

Direction N to SE. Moderate earth noises heard. Plaster cracked. Damage slight to brick and masonry. Ground: Compact, level.

Sausalito (28 Filbert St.). One sharp, whiplike jolt, with three smaller ones. Direction SW. Faint earth noises heard. Small objects and furnishings shifted. Mirror broke. Two foundation posts shifted several inches. Damage slight. Ground: Rocky soil, compact, sloping.

Sausalito (17 Sunshine Ave.). Motion rapid, E-W, then up and down, seemed to last about 2 minutes. Observer very frightened. Books, mirrors, and trays fell. One inside wall cracked. Damage slight to plaster. House has 18-inch rock foundation. Ground: Soil, compact, sloping.

Sausalito (148 Harrison). "The roll seemed to go from S-N. The house shuddered violently and as the floor rolled, the walls appeared to be moving up and down. I looked up over my head and saw the kitchen wall above a door cracking. The entire house made a tremendous cracking noise. Plate glass mirror, about 6 by 4 feet, over fireplace was knocked loose from wall and broke into hundreds of pieces. One living room window cracked. All lamps in living room fell to floor and most of the books in floor-to-ceiling bookcase on the floor. Plaster cracked in every room of seven-room house; some fell from upstairs walls; windows cracked. Heavy bureau moved about 2 feet. Our neighbor's house suffered damage about the same as our house, but people across the street didn't even have a tilted picture. Our house is a two-story shingle house, built about 1905."

Sausalito (waterfront). Motion rapid, lasted 10 seconds. Direction N-S. Small objects and furnishings shifted. Dishes, windows, and furniture broke. Damage slight. Ground: Deck piling.

Sausalito (60 Woodward). V. Motion rapid, lasted about 20-40 seconds. Direction N. Loud earth noises heard. Small objects shifted. Ground: Soil, compact.

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Sausalito (68 Central Ave.). V. Motion sharp, rapid, sort of twisting, brief duration. Direction N-S. Loud earth noises like jet plane heard. Cabinet doors opened. Ground: Rocky, compact, steep.

Sausalito (63 Spencer Ave.). V. Motion moderately rapid, lasted about 30 seconds. Direction N. Faint earth noises heard. Moved two pictures only. Ground: Rocky soil, compact, sloping.

Sausalito (Wolfback Ridge). III. Motion slow. Direction N-S. Faint earth noises heard. Ground: Rocky, steep.

Sausalito (Professional Building). III. Motion rapid, lasted 10-12 seconds. Moderate earth noises heard. Building vibrated. New, three-story building. Ground: Soil, level.

Sonoma. Motion rapid, lasted 30 seconds. Direction NE. Faint earth noises heard by many 5 seconds before shock. Frightened all in community. Windows, doors, and dishes rattled; building creaked. Hanging objects swung. Trees, bushes shaken moderately. Small objects shifted. Plaster and walls cracked. Knickknacks and pictures fell. Damage slight. Ground: Rocky.

Sonoma. Press reported huge wine casks rolled and dirt crumbled down in the limestone caves at the Buena Vista Vineyards just outside of Sonoma.

Sonoma (331 Perkins St.). V. Motion slow, lasted about 30 seconds. Direction E-W. Faint earth noises heard. Few fine cracks in plaster. Ground: Soil, compact.

Sonoma (590 Verano Ave.). V. Motion moderate, undulating, lasted about 1 minute. Beds shifted. Ground: Rocky, sloping.

Sonoma (161 E. Napa St.). V. Motion rapid, lasted about 30 seconds. Faint earth noises heard. Small objects shifted. Shelves in grocery store cracked. Alerted cat and dog. Damage slight. Ground: Soil, marshy, level.

Sonoma (583-3rd E). V. Motion rapid, lasted 8 seconds. Direction NE. Small objects shifted. Ground: Compact, level.

Sonoma (21855 Hyde Rd.). III. Motion slow, lasted 30 seconds. Direction indoors N. Faint earth noises heard.

South San Francisco. Press reported there were many minor fires, gas leaks, broken water pipes, and broken chimneys, but damage was minor. Windows broke at various locations. Cornice atop the Metropolitan Hotel, Linden and Grand Avenues, was loosened and finally removed. Groceries and liquor fell from shelves in supermarkets. At Kaiser Foundation Hospital only two minor injuries were reported.

South San Francisco School District.

Avalon. Two panes of glass broke. Minor plaster cracking.

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South San Francisco School District. (cont.)

Buri-Buri. Two clocks thrown off walls. Five panes of glass broke in long (E-W) walls and two panes broke in short (N-S) walls. Storage shelving thrown over in the Administration Building.

El Rancho. One pane of glass broke in E-W wall of M.P. room.

South San Francisco High School. About twelve panes of glass broke and plaster cracked slightly. Storage batteries for emergency power supply dislodged from shelf and shorted out.

South San Francisco. Motion rapid, lasted 5 seconds. Direction SW-NE. Loud earth noises from SW-NE heard by observer before beginning of shock. Felt by all on first floor of strongly built steel and concrete-block building; frightened all in community. Windows rattled. Hanging objects swung. Small objects shifted. Ground: Rocky, level.

South San Francisco (San Bruno Point). Motion rapid, jarring, lasted 20 seconds. Windows broke. Plaster cracked. Damage slight. Ground: Level, filled in.

South San Francisco (214 Oreano Dr., Buri-Buri District). Motion rapid, sharp, lasted 1-2 minutes. Direction N. Loud earth noises heard. Everything shifted. Few glasses broke. Plaster cracked inside and outside. Damage slight to concrete. Ground: Gumbo, clay, dampish.

South San Francisco (Buri-Buri). "When I arrived home I found the following: Dishes and glasses off shelves and broken; all books out of bookcase; pictures off walls; objects thrown down in all closets and cupboards; refrigerator moved about 3/4 inch. We have a stucco house. There were several cracks and some cracks on the walls inside."

South San Francisco (Avalon Park, 448 Valderde Dr.). Motion rapid, lasted 30 seconds. Direction E-W. Loud earth noises heard. Furnishings shifted. Dishes broke. Plaster, walls, and ground cracked. Damage slight. Ground: Soil, level.

South San Francisco (754 Serra Dr., between Junipero Serra and El Camino). Motion rapid. Loud earth noises heard. Small objects and furnishings shifted. Dishes, windows, and furniture broke. Plaster, stucco walls, and ground cracked. Damage slight. Ground: Clay, sloping.

South San Francisco (747 Larch Ave.). Motion rapid, lasted 30 seconds. Loud earth noises heard. Plaster cracked; molding pulled from wall. Damage slight. Ground: Rocky, steep.

South San Francisco (252 San Felipe Ave., Serra Highlands). Motion rapid, lasted about 15 seconds. Moderate earth noises

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heard. Small objects and furnishings shifted. Dishes broke. Plaster and walls cracked. Damage slight to concrete. Ground: Clay soil, sloping.

South San Francisco (117 Arroyo Dr.). Motion rapid, lasted several seconds. Direction N. Loud earth noises heard. Small objects and furnishings shifted very much. Dishes and furniture broke. Damage considerable. Ground: Sloping, compact.

South San Francisco (708 Circle Court). Motion rapid. Direction NE. Observer very frightened. Loud earth noises heard. Small objects shifted. Plaster cracked. Damage slight. Ground: Rocky.

South San Francisco (218 Pinehurst Way). Motion rapid, lasted 35-40 seconds. Loud earth noises heard. Small objects and furnishings shifted. Plaster cracked. Ground: Level, compact.

South San Francisco (Norton and Mission, Hibernia Bank). Motion rapid, lasted 20 seconds. Direction E. Loud earth noises heard. Windows broke in ten stores. Damage slight.

South San Francisco (125 Cresta Dr.). Motion rapid, lasted 20 seconds. Direction E. Loud earth noises heard. Plaster and walls cracked. Damage slight. Ground: Soil, level.

South San Francisco (380 Granada Dr., Avalon Park). Motion rapid, lasted 8-10 seconds. Direction NE. Moderate earth noises heard. Small objects and furnishings shifted. Dishes broke. Plaster and walls cracked. Damage slight, about \$250. Ground: Sloping, filled in.

South San Francisco (207 Lomitas Ave.). Motion rapid, lasted about 1 minute. Direction NW-SE. Loud earth noises heard. Small objects and furnishings shifted. Dishes broke; window broke from flying objects. Plaster cracked slightly. Damage slight, but big mess from fallen objects. Ground: Soil, level.

South San Francisco (126 Sherwood Way). Motion rapid, lasted about 1 minute. Direction NW. Loud earth noises heard. Small objects and furnishings shifted. Dishes broke. Walls cracked slightly. Damage slight. Ground: Soil, sloping.

South San Francisco (1450 El Camino Real, greenhouse). Motion rapid, lasted 2-3 seconds. Direction S. Faint earth noises heard. Small objects and furnishings shifted. Dishes and windows broke. Walls cracked. Damage considerable to glass and pottery. Ground: Soil, compact, level.

South San Francisco (Winston Manor). Motion rapid, lasted 30 seconds. Direction E-W. Loud earth noises heard. Small objects and furnishings shifted. Dishes broke. Damage slight. Ground cracked. Ground: Soil, sloping.

South San Francisco (45 Arlington Dr.). Motion rapid, lasted 1 minute. Direction SE-NW. Moderate earth noises heard.

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Small objects and furnishings shifted. Dishes broke. Water heater twisted. Damage slight. Ground: Rocky, soil, compact, level.

South San Francisco (332 A St.). Strong jolt, then rolling motion, lasted about 10 seconds. Direction approximately SW. Loud earth noises heard. Plants fell to floor; dresser moved 3 inches. Damage slight. Ground: Soil, level.

South San Francisco (129 Duval Dr.). Motion rapid. Too much noise in house to hear earth noises. Small objects and furnishings shifted. Dishes broke. Chimney cracked. "We had a considerable number of cracks in stucco and the chimney settled more. Engineers seem to think our house is on some little fault since damage to our house was more than in the immediate area." Ground: Soil, clay, adobe, compact.

South San Francisco (239 Mansfield Dr.). Motion rapid. Loud earth noises heard. Small objects and furnishings shifted. Dishes broke. Plaster and ground cracked. Furniture shifted; lambrequins fell. Toilet leaked. Damage slight. Ground: Compact, sloping, filled in.

South San Francisco (314 Hazelwood Dr., Brentwood Tract). Motion moderate jerking, seemed to last a minute. Sensation of imbalance, as if walking at an angle. Direction NW-SE. Loud earth noises heard. Dresser, canned goods, dishes, etc., shifted. Slight cracks in bathroom tile. Damage slight. "Aftershocks seem to be more noise than motion." Ground: Soil, compact, sloping.

South San Francisco (352 Holly St.). Motion slow, lasted 15-30 seconds. Too much noise in house to distinguish earth noises. Threw objects S-N; shook objects W-E. Plaster cracked. Damage slight. Ground: Soil, sloping, filled in.

South San Francisco (760 Serra Dr., Serra Highlands). Motion rapid, lasted 30 seconds or more. Loud earth noises heard. Small objects and furnishings shifted. Dishes and furniture broke. Plaster, windows, and walls cracked. Damage considerable. Ground: Soil.

South San Francisco (291 Dundee Dr.). Motion rapid, rolling and twisting, lasted a minute or two. Direction seemed to be W-E. Loud rumble heard. Furnishings shifted. Dishes and furniture broke. Ground cracked. Damage slight. Ground: Compact, sloping, filled in.

South San Francisco (218 Dundee Dr.). Motion rapid, lasted about 3 minutes. Direction E-W. Faint earth noises heard. Bed, chests, piano, and refrigerator shifted. Bathroom cabinet contents and flower pots broke. Damage slight. Ground: Soil, compact, level, filled in.

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South San Francisco (125 Edison Ave.). Motion rapid. Loud earth noises heard. Small objects and furnishings shifted. Dishes broke. Plaster cracked. Damage slight. Ground: Rocky soil, marshy, sloping.

South San Francisco (122 Alta Mesa, Buri-Buri). Motion rapid, sharp, lasted 12-15 seconds. Direction NW. Loud, frightening earth noises heard. Small objects and furnishings shifted. Dishes and furniture broke. Plaster, concrete, and walls cracked. "Interior doors do not fit well now." Damage considerable to concrete. Frame house on concrete blocks. Ground: Soil, compact, sloping.

South San Francisco (376 Granada Ave.). Motion rapid. Moderate earth noises with every tremor. Small objects and furnishings shifted. Dishes broke. Concrete cracked. Damage slight. Ground: Soil, compact, sloping, filled in.

South San Francisco (359 Erica Dr.). Motion rapid, pitching and jerking, lasted 5-6 seconds. Direction indoors SE. Loud earth noises heard. Small objects shifted. Dishes broke. Plaster and walls cracked. Damage slight. Ground: Soil, compact, sloping.

South San Francisco (730 Larch Ave.). Motion rapid, lasted 30 seconds. Direction NE. Loud earth noises heard. Small objects shifted. Dishes broke. Fireplace flue cracked. Damage slight. Ground: Compact, level.

South San Francisco (781 Circle Court). Motion rapid, lasted 30 seconds. Direction NE-SW. Loud earth noises heard. Small objects and furnishings shifted. Dishes and furniture broke. Damage slight, about \$10. Ground: Compact, level.

South San Francisco (1201 Baywood, Sunshine Gardens). Motion rapid. Loud earth noises heard. Small objects and furnishings shifted. Damage slight. Ground: Mostly soil, partly filled in, sloping (split-level house).

South San Francisco (117 Francisco Dr., Francisco Terrace). Motion rapid. Visible swaying of house; house seemed to rock E-W. Moderate earth noises heard. Small objects shifted and furnishings shifted 2-3 inches from E-W walls. Small objects and jars of fruit broke. Damage slight. "We have a concrete slab foundation." Ground: Compact, clay, marshy, filled in, fairly level.

South San Francisco (103 Greenwood Dr.). Motion slow, lasted about 30 seconds. Moderate earth noises heard. Small objects and furnishings shifted. Dishes broke. Damage slight. Ground: Soil, level.

South San Francisco (928 Newman Dr.). Motion rapid, lasted less than 1 minute. Direction E. Moderate earth noises heard. Small objects and furnishings shifted. Damage slight. Ground: Soil, compact, sloping.

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South San Francisco (323 Catherine Dr., Serra Highlands). Motion rapid. Direction W-E. Loud earth noises heard. Small objects and furnishings shifted. Dishes broke. Damage slight. Ground: Compact, sloping.

South San Francisco (4 El Campo Dr.). Motion rapid. Loud earth noises heard. Small objects and furnishings shifted. Dishes and windows broke. Damage slight. Ground: Soil, compact.

South San Francisco (454 Ferndale, Sunshine Gardens). Motion rapid, lasted 25-30 seconds. Moderate earth noises heard. Small objects and furnishings shifted. Damage slight. Ground: Compact, sloping.

South San Francisco (880 Alta Loma Dr.). Motion rapid, lasted about 30 seconds. Loud earth noises heard like airplane crashing into house. Small objects and furnishings shifted. Small items broke. Damage slight. "Felt shocks through Sunday." Ground: Soil, compact, level.

South San Francisco (Grand and Linden, Crocker Anglo Bank). Motion rapid, lasted about 40 seconds. Very loud earth noises heard. Small objects shifted. Dishes, etc., broke. Plaster and window cracked. Damage slight. Ground: Compact, level.

South San Francisco (8 Jacinto Lane, Buri-Buri). Motion rapid, lasted 25-30 seconds. Loud earth noises heard. Small objects and furnishings shifted. Dishes and large wall mirror broke. Damage slight. Ground: Soil, compact, sloping.

South San Francisco (707 Southwood Dr.). V. Motion rapid, momentary duration. Moderate earth noises heard. Small objects shifted. Ground: Soil, compact, sloping.

South San Francisco. V. Motion rapid, lasted 20 seconds. Felt by and frightened many in community. Loud earth noises from NE heard by many. Windows and doors rattled. Gas earthquake safety valve shut off gas. Ground: Soil, compact.

South San Francisco (1141 Morningside Ave., Sunshine Gardens). V. Motion rapid, duration seemed like a minute. Direction N-S. Loud earth noises heard. Small objects shifted. Dishes broke. Damage none or slight. Ground: Rocky, sloping.

South San Francisco (California Golf Club). Felt by observer on fairway. Motion rapid, lasted about 1 minute. Direction NW. Loud earth noises heard. Ground: Compact.

Sunnyvale (1385 Sandia Ave.). Motion slow to rapid, lasted 2-3 minutes. Direction SE. Loud rumbling earth noises heard. Lamps on tables rocked. Plaster and walls cracked. Damage slight to concrete in seams of house. Ground: Clay, compact.

Sunnyvale. V. Motion slow, lasted 5 seconds. Loud earth noises from N heard by many 2 seconds before shock. Felt by all

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in strongly built concrete and cement post office building, outdoors by others (active). Windows and doors rattled. Hanging objects swung. Trees, bushes shaken strongly. Ground: Soil, level.

Sunnyvale (165 $\frac{1}{2}$ E. McKinley Ave.). V. Motion rapid, lasted 5 minutes. Direction E. Loud earth noises heard. Small objects and furnishings shifted. Ground: Compact, level.

Sunnyvale (12585 Betty Court). V. Motion slow, lasted 15-20 seconds. Small objects and furnishings shifted. Ground: Compact, soil, level.

Sunnyvale (factory building). V. Motion rapid, lasted 30-45 seconds. Direction E-W. Small objects shifted. Ground: Soil, compact, level.

Sunnyvale (Westinghouse Electric Corp.). V. Motion rapid, lasted few seconds. Loud earth noises heard. Small objects shifted. "I work at Westinghouse. We felt the earthquake pretty strongly. Frightened the entire office force. Light fixtures swung for about 10 minutes after shock. File cabinets swayed some." Ground: Soil, level.

Sunnyvale (1151 West Iowa). IV. Motion similar to vibration of escalator. Lasted about 20 seconds. Rattling of patio doors mainly. Ground: Compact, level.

Sunnyvale (1265 Lime Dr.). III. Motion moderate, lasted 1-2 minutes. Direction NE. Moderate rumbling earth noises heard. Ground: Soil.

Sunnyvale (432 Morse Ave.). III. Motion rapid, lasted 45 seconds. Direction N-S. Moderate earth noises heard. Ground: Soil, level.

Sunnyvale (1152 Packington Ave.). II. Motion rapid, lasted about 30 seconds. Ground: Compact, level.

Sunnyvale. Motion moderate. Faint earth noises heard. Ground: Soil, compact.

Tiburon (694 Hawthorne Dr.). Motion rapid, lasted 20-35 seconds. Small objects shifted. Plaster cracked. Damage slight to plaster. Ground: Soil, compact, sloping.

Tiburon (on pier). V. Motion rapid, lasted 5-10 seconds. Moderate earth noises heard. Small objects shifted.

Tiburon (600 Ridge Rd., about 420 feet above Raccoon Straits). IV. Motion rapid. Hanging lamp swung N-S. Ground: Rocky.

Tiburon (1845 Mt. View Dr.). II. Motion rapid, brief. Direction seemed southwesterly. Ground: Rocky, sloping.

Vallejo. Motion rapid and slow. Direction S-N. Moderate earth noises from S heard by many. Felt by all (sitting) on second floor of strongly built brick building; by others outdoors; frightened many in community. Windows, doors, and dishes rattled; building creaked. Hanging objects swung N. Trees, bushes shaken moderately. Small objects shifted; vases, etc., overturned; pictures fell. Ground: Soil, compact.

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Vallejo Jr. College. V. Motion slow, lasted 3-4 seconds. Direction N. Felt by all (active) on first floor of masonry building; by others outdoors (active). Small objects shifted.

Vallejo (Maritime Academy, north shore Carquinez Strait). V. Motion slow, lasted 30 seconds. Faint earth noises heard. Small objects and furnishings shifted. Ground: Soil, level.

Vallejo. V. Motion rapid, lasted about 30 seconds. Direction SE. Moderate earth noises heard. Small objects shifted. Ground: Compact, level.

Vallejo (351 Los Altos). IV. Motion slow, one sharp jar, lasted about 3 seconds. Faint earth noises heard. Light fixtures swayed NW-SE. Ground: Soil, level.

Vallejo (No. 440 on Highway 40). IV. Motion rapid, lasted 10 seconds. "The motion was easily noticed above traffic vibrations." Felt by many (active) on first floor of weakly built wooden post office building. Moderate earth noises heard by few. Windows and doors rattled; walls creaked.

Vallejo. IV. Motion slow. Windowpanes undulated. Ground: Soil, compact, level.

Vallejo (Dept. of Motor Vehicles, 1328 Virginia St.). III. Motion rapid, lasted 3 seconds. Direction N-S. Loud earth noises heard.

Vallejo (1953 Rose St.). Moderate earth noises heard, but no motion felt. Ground: Compact.

Vineburg. Lasted 30 seconds. Felt by all in community; frightened few. Windows, doors, and dishes rattled; house creaked. Hanging objects swung. Small objects and furnishings shifted. Ground: Compact.

Warm Springs. Felt by all in community; frightened few. Dishes rattled. Small objects shifted; knickknacks fell. Ground: Soil, compact.

Intensity V:

Antioch (1301 Louis Dr.). Motion slow, lasted about 20 seconds. Direction E. Small objects and furnishings shifted. Ground: Compact, level.

Antioch (112 E 16th St.). III. Motion slow, lasted 2-3 seconds. Direction N-S. Ground: Soil, level.

Antioch. III. Felt by several in community. Ground: Soil.

Alamo. Motion rapid. Felt by many in home; frightened many in community. Dishes rattled; house creaked. Ground: Soil, compact.

Alvarado. Motion slow. Direction S-W. Felt by all in home; frightened many. Windows and doors rattled.

Alviso. Motion rapid, lasted 30 seconds. Direction N. Felt outdoors by observer and others (quiet and active);

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frightened few in community. Windows, doors, and dishes rattled; house creaked. Hanging objects swung N. Small objects shifted; pictures fell. Ground: Marshy, level, filled in.

Bethel Island. Motion rapid, brief. Faint earth noises heard. Felt by several (sitting) on first floor of strongly built wooden post office building; frightened many in community. Windows and doors rattled; frame creaked. Hanging objects swung. Small objects shifted. Ground: Rocky.

Big Basin. Motion rapid. Felt by and frightened all in home. House creaked. Shook frame house violently.

Birds Landing. Direction E. Loud earth noises from E heard. Felt by all (active) on first floor of strongly built wooden building; frightened many in community. Windows rattled; walls creaked.

Boulder Creek and vicinity. Motion rapid, lasted 2-8 seconds. "No one seems to be able to give direction of the earth noises and outdoor motion. With few exceptions, most of the severe noises and motions seemed to have been felt E and NE of Highway 9 and the San Lorenzo River." Felt by many and frightened few in community. Windows, doors, and dishes rattled; walls creaked. Hanging objects swung. Trees, bushes shaken slightly. Small objects shifted and overturned; knickknacks fell. Damage none or slight. Ground: Rocky soil, sloping and steep.

Campbell (San Tomas Branch Post Office). Motion slow, rolling, lasted 30 seconds. Faint earth noises heard by observer. Felt by many in community (some outdoors); frightened few. Windows rattled; walls creaked. Small objects shifted. Ground: Rocky soil.

Campbell. IV. Motion rapid. Felt by many (some outdoors); frightened few. Moderate earth noises heard by few. Windows and dishes rattled; frame creaked. Trees, bushes shaken slightly. Hanging objects swung. Ground: Soil, compact, level.

Campbell. IV. Motion slow. Felt by many in strongly built brick building.

Camp Meeker. Motion rapid. Frightened few. Frame creaked. Hanging objects swung. Trees, bushes shaken slightly. Small objects shifted and overturned.

Castro Valley. Motion slow, lasted 2 seconds. Moderate earth noises heard by few 1 second before shock. Felt by all in strongly built brick post office building (sitting and active); frightened many. Windows and doors rattled. Hanging objects swung N. Ground: Soil, compact, level.

Castro Valley (18361 Carlwyn Dr.). Motion rapid, lasted about 10-15 seconds. Direction NE. Loud earth noises heard just before shock. Dogs howled and were quite excited. Sliding glass door slid open about 10 inches. Ground: Soil, rocky, compact, sloping.

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Castro Valley (9275 Glen Ave.). Motion slow, rocking. Stove moved up and down and back and forth.
Castro Valley (9114 Edwards Lane). II. Motion rapid, lasted about 1 minute. Moderate earth noises heard.
Centerville (455 Eggers Dr.). Motion slow, lasted 20 seconds. Faint earth noises heard. Small objects shifted. Ground: Compact soil.
Centerville (338 Northdale Dr.). Began with slight motion then grew stronger, lasted 5 seconds. Pictures shifted. Ground: Soil, level.
Centerville (144 Dondero Way). III. Motion slow, lasted few seconds. Direction SW-NE. Ground: Soil, level.
Clayton. Motion rapid, lasted 60 seconds. Felt by many in community; frightened few. Windows, doors, and dishes rattled. Hanging objects swung. Small objects and furnishings shifted. Damage slight. Ground: Compact, level.
Clearlake Highlands (Lake County). Motion slow, rocking, lasted 2 seconds. Direction N. Faint earth noises heard. Small objects shifted. Ground: Rocky soil, compact, level.
Cotati. Motion rapid, lasted 10 seconds. Direction N. Moderate earth noises from N heard by many. Felt by and frightened many in community. Doors rattled; walls creaked. Hanging objects swung N. Ground: Soil, level, compact.
Cowell. Vibration like heavy truck passing. Faint earth noises heard. Felt by many; outdoors by observer and others (quiet); frightened many. Felt more inside of buildings. "Felt more in Walnut Creek than in Concord or Cowell."
Decoto. Motion rapid. Moderate earth noises heard. Felt by all in home; frightened many. Walls creaked. Hanging objects swung. Small objects shifted. Ground: Level.
Decoto (413 Whipple Rd.). Motion rapid, lasted 3 minutes. Moderate earth noises heard. Furnishings shifted. "Everything in the house was moving. Thought lamps would fall. Called telephone operator in Hayward. She was frightened and said it was about the same there."
Dillon Beach. Felt by many in community; frightened few. Windows, doors, and dishes rattled; house creaked. Hanging objects swung. Trees, bushes shaken moderately. "On ranch, 1/2 mile east, animals and fowls seemed very disturbed." Ground: Sloping, level.
Duncan Mills. Direction NE. Faint earth noises heard by few. Felt by all (active) on first floor of strongly built wooden building; by others outdoors (active); frightened few in community. Windows and dishes rattled; house creaked. Hanging objects swung. Small objects overturned. "Few saw ground in rolling motion. Light cars rolled back and forth. Heaviest shock since 1906." Ground: Compact, level.