Map of Earthquake Epicenters in the San Francisco Bay area, California: 1972-1989
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This map includes the earthquake epicenters displayed (in yellow symbols) in the USGS 1989 poster, "San Francisco Bay Area Earthquakes." The compiled epicenters were recorded and processed by the USGS Central California Seismic Network (CAISNET) and located with the computer program HYPO71 (Klein, 1982). The dataset includes 18304 well-located earthquakes in the area bounded by 37°30'N - 38°30'N latitude and 121°15'W - 127°15'W longitude with M ≥ 3.0 between Jan. 1, 1973 and Dec. 31, 1985. Only events located with at least ten seismographic stations and with root-mean-square (rms) traveltime residuals of less than 0.5 second were included in the dataset. Events that were likely quarry blasts in the area were excluded.

Since this map was prepared specifically to overlay the satellite imagery used in the poster, the map scale and projection are unconventional: the map scale is 1:265,654 and the projection is an approximation to simple conic.

References

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