

Digital Elevation Model: 1:24,000 Scale

7.5 Minute DEM
Portion of San Francisco
Contour Interval 20 feet



Available for all of the United States.
Accuracy: 90% of points \pm 10 meters.



The 1:24,000 DEM Contours (High Resolution DEM) are interpolated from raw DEM files provided by the U.S. Geological Survey. Map features larger than 90 meters will generally be represented.

The contour lines are created from points arranged in columns aligned with the UTM grid. The distance between adjacent points is 30 meters.

A contour interval is specified when the map is ordered. The recommended interval for 1:24,000 scale data should be 40 feet for best accuracy and not less than 20 feet.

Adjacent 7.5 minute quadrangles will not share common boundary elevation points even though the maps may line up with each other. ADCi will edge-match the contours across quadrangle boundaries.

Suggested Uses

- Line of Sight (LOS) analysis
- Terrain analysis for radio and TV signal propagation
- Civil and environmental presentations
- Airport design and mining
- Flood plain analysis

XYZ Points or Grid

1:24,000 scale points can be provided as a grid (lattice) or ASCII text for use with terrain modeling software.

ADCi Supplied Formats

- MapInfo (.tab)
- MapInfo (.mif/.mid)

Coordinate System Options

- Geographic decimal degrees (lat/long)
- Other coordinate systems available

