

**Base 9 Geodetic Consulting Services
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**FUNDAMENTALS OF GEODESY AND GEODETIC
DATUMS**

This program details the historical and contemporary developments of the horizontal and vertical geodetic datums of the United States including: the Bessel reference system, U.S. Standard Datum, North American Datum, North American Datum of 1927, North American Datum of 1983, First, Second, Third and Fourth General Vertical Adjustments, the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988. The program highlights the development of reference ellipsoids, geoid models and contemporary global coordinate systems such as the International Terrestrial Reference Frame (ITRF) and the World Geodetic System of 1984 (WGS 84), and describes the efforts of the National Geodetic Survey to modernize the reference systems of the United States.

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