ISO Geodetic Registry

Item class VerticalDatum

National Geodetic Vertical Datum of 1929

Item statusVALIDIdentifier117AliasNGVD29

Alias Sea Level Datum of 1929

Information source Title National Vertical Control Network - Proposed

Action

Author US Government

Publisher Office of Federal Register, NARA

Publication date 1973-05-16 Edition date 1973-05-16

Series/Journal name Federal Register Notice

Issue identification Volume 38, No. 94, Document 73-9694

Page 12840.0

Other citation details Proposed use of NGVD 29 to replace SLD 29

Information source Title Notice to Adopt a Standard Model for

Mathematical Vertical Datum Transformations

Author US Government

Publisher Office of Federal Register, NARA

Publication date 2007-07-11 Edition date 2007-07-11

Series/Journal name Federal Register Notice

Issue identification Volume 72, No. 132, Document: 07-3377

Page 37732.0

Other citation details Mandates use of VERTCON for official

transformations between datums

Information source Title VERTCON User Manual

Author National Geodetic Survey

Publisher National Oceanic and Atmospheric Administration

(NOAA), National Geodetic Survey (NGS)

Publication date 2003-09-29 Edition date 2003-09-29

Other citation details NGS Online Readme File; Provides grids and

usage of VERTCON for transformations between

NGVD 29 and NAVD 88

Information source Title Annual Report of the Director, United States

Coast and Geodetic Survey to the Secretary of Commerce for the Fiscal Year Ended June 30,

1930

Author US Government

Publisher Government Printing Office

Publication date 1930-06-30 Edition date 1930-06-30 Page 33.0 Other citation details NGVD29

Information source Title National Vertical Control Network - Notice of Final

Action

Author US Government

Publisher Office of Federal Register, NARA

Publication date 1976-05-14 Edition date 1976-05-17

Series/Journal name Federal Register Notice

Issue identification Volume 41, No. 96, Document 76-14245

Page 20202.0

Other citation details Formally adopted usage of NGVD 29 as datum

name

Data source ISO Geodetic Registry

Remarks Normal orthometric heights.

Anchor definition The Sea Level Datum of 1929 was named the National Geodetic

Vertical Datum of 1929 on May 10, 1973. The Sea Level Datum of 1929 is a vertical control datum in the United States by the general adjustment of 1929. Mean sea level was held fixed at the sites of 26 tide gauges, 21 in the United States and 5 in Canada. The datum is defined by the observed heights of mean sea level at the 26 tide gauges and by the set of elevations of all bench marks resulting from the adjustment. A total of 106,724 kilometers of leveling was involved, constituting 246 closed circuits and 25 circuits at sea level. The datum was not mean sea level, the geoid, or any other equipotential surface. Therefore, it was renamed in 1973, the National Geodetic Vertical

Datum on 1929.

Release date 1929

Scope Spatial referencing

Extent

| Description | United States (USA) - onshore and offshore | |
|-------------------------|--|----------------------|
| | CONUS (Alabama, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, | |
| | | |
| | | |
| | | |
| Massachusetts, Michiga | | • • • • • |
| | Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | Wisconsin, Wyoming). |
| Geographic Bounding Box | West-bound longitude | -135.0 |
| | North-bound latitude | 50.0 |
| | East-bound longitude | -66.0 |
| | South-bound latitude | 24.0 |