

ISO Geodetic Registry

| | | |
|---------------------------|---|---|
| <i>Item class</i> | VerticalCRS | |
| <i>Name</i> | VIVD09 - NOHt | |
| <i>Item status</i> | VALID | |
| <i>Identifier</i> | 219 | |
| <i>Alias</i> | Virgin Islands Vertical Datum of 2009 | |
| <i>Information source</i> | <i>Title</i> | Affirmation of Vertical Datum for Surveying and Mapping Activities for the Islands of St. Croix, St. John, and St. Thomas, United States Virgin Islands |
| | <i>Author</i> | US Government |
| | <i>Publisher</i> | Office of Federal Register, NARA |
| | <i>Publication date</i> | 2011-12-12 |
| | <i>Edition date</i> | 2011-12-12 |
| | <i>Series/Journal name</i> | Federal Register Notice |
| | <i>Issue identification</i> | Volume 76, No. 238, Document: 2011-31592, Citation: 76 FR 77208 |
| | <i>Page</i> | 77208-77209 |
| | <i>Other citation details</i> | Mandates use of VIVD09 |
| <i>Data source</i> | ISO Geodetic Registry | |
| <i>Scope</i> | Spatial referencing | |
| <i>Datum</i> | Virgin Islands Vertical Datum of 2009 | |
| <i>Coordinate System</i> | Vertical CS. Axis: height (H). Orientation: up. UoM: m. | |

Extent

| | | |
|--------------------------------|---------------------------------------|-------|
| <i>Description</i> | Virgin Islands (US) - onshore. | |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i> | -65.5 |
| | <i>North-bound latitude</i> | 18.5 |
| | <i>East-bound longitude</i> | -64.5 |
| | <i>South-bound latitude</i> | 17.5 |

ISO Geodetic Registry

| | | |
|---------------------------|---|---|
| <i>Item class</i> | VerticalDatum | |
| <i>Name</i> | Virgin Islands Vertical Datum of 2009 | |
| <i>Item status</i> | VALID | |
| <i>Identifier</i> | 163 | |
| <i>Alias</i> | VIVD09 | |
| <i>Information source</i> | <i>Title</i> | Affirmation of Vertical Datum for Surveying and Mapping Activities for the Islands of St. Croix, St. John, and St. Thomas, United States Virgin Islands |
| | <i>Author</i> | US Government |
| | <i>Publisher</i> | Office of Federal Register, NARA |
| | <i>Publication date</i> | 2011-12-12 |
| | <i>Edition date</i> | 2011-12-12 |
| | <i>Series/Journal name</i> | Federal Register Notice |
| | <i>Issue identification</i> | Volume 76, No. 238, Document: 2011-31592, Citation: 76 FR 77208 |
| | <i>Page</i> | 77208-77209 |
| | <i>Other citation details</i> | Mandates use of VIVD09 |
| | <i>Data source</i> | ISO Geodetic Registry |
| <i>Remarks</i> | Normal orthometric heights. | |
| <i>Anchor definition</i> | Virgin Islands Vertical Datum of 2009 (VIVD09) consists of a set of three independent leveling networks on the islands of St. Croix, St. John and St. Thomas in the United States Virgin Islands. Each of these leveling networks is affixed to a single origin point on their respective island. Island of St. Croix: Tide Station Lime Tree Bay (PID: DK7165, VM: 1636, Bench Mark: 975 1401 M, 3.111 m above LMSL. Island of St. John: Tide Station Lameshur Bay (PID = DL3636, VM: 18179, Bench Mark: 975 1381 A, 1.077 m above LMSL. Island of St. Thomas: Tide Station 9751639, Charlotte Amalie (PID: DL3908, VM: 1372, Bench Mark: 975 1639 F, 1.552 m above LMSL. VIVD09 was affirmed as the official vertical datum in the National Spatial Reference System for the islands of St. Croix, St. John and St. Thomas in the U.S. Virgin Islands by Federal Register Notice (2011), replacing all previous height systems for this region. | |
| <i>Release date</i> | 2011 | |
| <i>Scope</i> | Spatial referencing | |

Extent

| | | |
|--------------------------------|---------------------------------------|-------|
| <i>Description</i> | Virgin Islands (US) - onshore. | |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i> | -65.5 |
| | <i>North-bound latitude</i> | 18.5 |
| | <i>East-bound longitude</i> | -64.5 |
| | <i>South-bound latitude</i> | 17.5 |

ISO Geodetic Registry

| | | |
|---------------------------|--|---|
| <i>Item class</i> | VerticalCS | |
| <i>Name</i> | Vertical CS. Axis: height (H). Orientation: up. UoM: m. | |
| <i>Item status</i> | VALID | |
| <i>Identifier</i> | 42 | |
| <i>Information source</i> | <i>Title</i> | ISO 19111 Geographical information - Spatial referencing by coordinates |
| | <i>Author</i> | International Organization for Standardization (ISO) |
| | <i>Publisher</i> | International Organization for Standardization (ISO) |
| | <i>Publication date</i> | 2007-07-01 |
| | <i>Edition</i> | Second Edition |
| | <i>Series/Journal name</i> | International Standard |
| | <i>Issue identification</i> | ISO 19111:2007 |
| | <i>Data source</i> | ISO Geodetic Registry |
| <i>Remarks</i> | Used in vertical coordinate reference systems. | |

Axes

| | | |
|---------------------------|--|---|
| <i>Item class</i> | CoordinateSystemAxis | |
| <i>Name</i> | Gravity-related height | |
| <i>Item status</i> | VALID | |
| <i>Identifier</i> | 35 | |
| <i>Information source</i> | <i>Title</i> | ISO 19111 Geographical information - Spatial referencing by coordinates |
| | <i>Author</i> | International Organization for Standardization (ISO) |
| | <i>Publisher</i> | International Organization for Standardization (ISO) |
| | <i>Publication date</i> | 2007-07-01 |
| | <i>Edition</i> | Second Edition |
| | <i>Series/Journal name</i> | International Standard |
| | <i>Issue identification</i> | ISO 19111:2007 |
| | <i>Data source</i> | ISO Geodetic Registry |
| <i>Remarks</i> | Used in a 1D vertical coordinate system. | |
| <i>Abbreviation</i> | H | |
| <i>Direction</i> | up | |
| <i>Unit</i> | metre | |