

ISO Geodetic Registry

| | | |
|---------------------------|---|--|
| <i>Item class</i> | VerticalCRS | |
| <i>Name</i> | CGVD28 - NOHt | |
| <i>Item status</i> | VALID | |
| <i>Identifier</i> | 323 | |
| <i>Alias</i> | GSC Datum | |
| <i>Alias</i> | Canadian Vertical Datum of 1928 | |
| <i>Alias</i> | Canadian Geodetic Vertical Datum of 1928 | |
| <i>Alias</i> | CGVD28 | |
| <i>Alias</i> | Canadian Geodetic Datum | |
| <i>Alias</i> | CVD28 | |
| <i>Information source</i> | <i>Title</i> | Recent adjustments of the precise level net of Canada |
| | <i>Author</i> | J.B. Canon |
| | <i>Publisher</i> | Department of the Interior, Dominion of Canada, Ottawa |
| | <i>Publication date</i> | 1935 |
| <i>Information source</i> | <i>Title</i> | Adjustment of the precise level net of Canada 1928 |
| | <i>Author</i> | J.B. Canon |
| | <i>Publisher</i> | Department of the Interior, Dominion of Canada, Ottawa |
| | <i>Publication date</i> | 1928 |
| <i>Data source</i> | ISO Geodetic Registry | |
| <i>Scope</i> | Spatial referencing | |
| <i>Datum</i> | Canadian Geodetic Vertical Datum of 1928 | |
| <i>Coordinate System</i> | Vertical CS. Axis: height (H). Orientation: up. UoM: m. | |

Extent

| | | |
|--------------------------------|---|---------|
| <i>Description</i> | Canada - onshore - Alberta, British Columbia, Manitoba south of 57°N, New Brunswick, Northwest Territories south west of a line between 60°N, 110°W and the coast at 132°W, Nova Scotia, Ontario south of 52°N, Prince Edward Island, Quebec - mainland west of 66°W and south of 55°N, Saskatchewan south of 55°N, Yukon. | |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i> | -141.01 |
| | <i>North-bound latitude</i> | 69.8 |
| | <i>East-bound longitude</i> | -59.73 |
| | <i>South-bound latitude</i> | 41.67 |

ISO Geodetic Registry

| | | |
|---------------------------|--|--|
| <i>Item class</i> | VerticalDatum | |
| <i>Name</i> | Canadian Geodetic Vertical Datum of 1928 | |
| <i>Item status</i> | VALID | |
| <i>Identifier</i> | 102 | |
| <i>Alias</i> | GSC Datum | |
| <i>Alias</i> | Canadian Vertical Datum of 1928 | |
| <i>Alias</i> | CGVD28 | |
| <i>Alias</i> | Canadian Geodetic Datum | |
| <i>Alias</i> | CVD28 | |
| <i>Information source</i> | <i>Title</i> | Adjustment of the precise level net of Canada 1928 |
| | <i>Author</i> | J.B. Canon |
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| <i>Information source</i> | <i>Title</i> | Recent adjustments of the precise level net of Canada |
| | <i>Author</i> | J.B. Canon |
| | <i>Publisher</i> | Department of the Interior, Dominion of Canada, Ottawa |
| | <i>Publication date</i> | 1935 |
| <i>Data source</i> | ISO Geodetic Registry | |
| <i>Remarks</i> | Adopted by Federal Order in Council in 1935. Replaced by CGVD2013 November 2013. Normal orthometric heights. | |
| <i>Anchor definition</i> | CGVD28 is a levelling-based vertical datum based on mean sea level determined at five tidal gauges in Yarmouth and Halifax on the Atlantic Ocean, Pointe-au-Père on the St-Lawrence River, and Vancouver and Prince-Rupert on the Pacific Ocean. The definition also includes an elevation at a bench mark in Rouses Point, NY (next to Lake Champlain), accepted as fixed by the United States and Canada in 1925. The datum was propagated inland from the tide gauges using geodetic levelling measurements. The vertical datum is accessible through some 94,000 bench marks anchored to the ground and stable structures. Heights in CGVD28 are normal-orthometric based on normal gravity. | |
| <i>Release date</i> | 1928 | |
| <i>Scope</i> | Spatial referencing | |

Extent

| | | |
|--------------------------------|---|---------|
| <i>Description</i> | Canada - onshore - Alberta, British Columbia, Manitoba south of 57°N, New Brunswick, Northwest Territories south west of a line between 60°N, 110°W and the coast at 132°W, Nova Scotia, Ontario south of 52°N, Prince Edward Island, Quebec - mainland west of 66°W and south of 55°N, Saskatchewan south of 55°N, Yukon. | |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i> | -141.01 |
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| | <i>East-bound longitude</i> | -59.73 |

South-bound latitude

41.67

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 | |