

# ISO Geodetic Registry

|                           |  |   |
|---------------------------|--|---|
| <i>Item class</i>         | GeodeticDatum  |   |
| <i>Name</i>               | <b>North American Datum of 1927 (CGQ77)</b>  |   |
| <i>Item status</i>        | VALID  |   |
| <i>Identifier</i>         | 164  |   |
| <i>Alias</i>              | NAD27(CGQ77)   |   |
| <i>Alias</i>              | NAD27  |   |
| <i>Information source</i> | <i>Title</i>   | RE: GSD file  |
|                           | <i>Author</i>  | Y. Theriault  |
|                           | <i>Publisher</i>   | Service de la geodesie et des leves geospaciaux, Direction de la reference geographique, Direction generale de l'information geospaciale, Ministere de l'Energie et des Ressources naturelles, Gouvernement du Quebec |
|                           | <i>Publication date</i>  | 2017-03-01  |
|                           | <i>Other citation details</i>  | Personal email communication.   |
| <i>Data source</i>        | ISO Geodetic Registry  |   |
| <i>Remarks</i>            | Used in Quebec for all maps at scale 1/20 000 and larger; generally for maps issued by the Quebec cartography office whose reference system is CGQ77. Replaced by NAD83(Original). |   |
| <i>Anchor definition</i>  | Fundamental point: Meade's Ranch. Latitude: 39°13'26.686"N, longitude: 98°32'30.506"W (of Greenwich).  |   |
| <i>Release date</i>       | 1977-05-01   |   |
| <i>Scope</i>              | Spatial referencing  |   |
| <i>Ellipsoid</i>          | Clarke 1866  |   |
| <i>Prime Meridian</i>     | Greenwich  |   |

## Extent

|                                |  |        |
|--------------------------------|--|--------|
| <i>Description</i>             | <b>Canada - onshore and offshore - Quebec.</b> |        |
| <i>Geographic Bounding Box</i> | <i>West-bound longitude</i>                    | -79.85 |
|                                | <i>North-bound latitude</i>                    | 62.62  |
|                                | <i>East-bound longitude</i>                    | -57.1  |
|                                | <i>South-bound latitude</i>                    | 44.99  |

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|                           |  |   |
|---------------------------|--|---|
| <i>Item class</i>         | Ellipsoid  |   |
| <i>Name</i>               | <b>Clarke 1866</b>   |   |
| <i>Item status</i>        | VALID  |   |
| <i>Identifier</i>         | 28   |   |
| <i>Information source</i> | <i>Title</i>   | Annual Report of the Superintendent of the Coast and Geodetic Survey for fiscal year ended June 30, 1927  |
|                           | <i>Author</i>  | Coast and Geodetic Survey   |
|                           | <i>Publisher</i>   | Coast and Geodetic Survey   |
|                           | <i>Publication date</i>  | 1927  |
| <i>Information source</i> | <i>Title</i>   | Universal Transverse Mercator Grid Tables For Latitudes 0°-80° Clarke 1866 Spheroid (Meters) Volume II  |
|                           | <i>Author</i>  | U.S. Army Map Service   |
|                           | <i>Publisher</i>   | U.S. Army Map Service   |
|                           | <i>Publication date</i>  | 1958-07   |
| <i>Information source</i> | <i>Series/Journal name</i>   | Technical Manual  |
|                           | <i>Issue identification</i>  | TM 5-241-4/2  |
|                           | <i>Title</i>   | Transformation of grid coordinates  |
|                           | <i>Author</i>  | U.S. Army Map Service   |
| <i>Information source</i> | <i>Publisher</i>   | U.S. Army Map Service   |
|                           | <i>Publication date</i>  | 1944  |
|                           | <i>Series/Journal name</i>   | Army Map Services Bulletin  |
|                           | <i>Issue identification</i>  | 7.0   |
| <i>Information source</i> | <i>Title</i>   | Annual Report of the Director, United States Coast and Geodetic Survey to the Secretary of Commerce for the Fiscal Year Ended June 30, 1930   |
|                           | <i>Author</i>  | US Government   |
|                           | <i>Publisher</i>   | Government Printing Office  |
|                           | <i>Publication date</i>  | 1930-06-30  |
| <i>Information source</i> | <i>Edition date</i>  | 1930-06-30  |
|                           | <i>Page</i>  | 33.0  |
|                           | <i>Other citation details</i>  | NGVD29  |
|                           | <i>Title</i>   | Grids and Grid References   |
| <i>Information source</i> | <i>Author</i>  | Department of the Army  |
|                           | <i>Publisher</i>   | Headquarters, Department of the Army, Washington, DC  |
|                           | <i>Publication date</i>  | 1967-06-07  |
|                           | <i>Series/Journal name</i>   | Department of the Army Technical Manual   |
| <i>Information source</i> | <i>Issue identification</i>  | TM 5-241-1  |
|                           | <i>Title</i>   | Universal transverse mercator grid tables. Clarke 1866 (Technical Manual nos. 7, 21, 37), Clarke 1880 (nos. 9, 48), Everest (nos. 11, 49), Bessel (nos. 8, 39), International (no. 6) spheroids |
|                           | <i>Author</i>  | U.S. Army Map Service   |
|                           | <i>Publisher</i>   | U.S. Army Map Service   |
| <i>Data source</i>        | <i>Publication date</i>  | 1951  |
|                           | ISO Geodetic Registry  |   |
| <i>Remarks</i>            | Original definition a=20926062 and b=20855121 (British) feet. Uses Clarke's 1865 inch-metre ratio of 39.370432 to obtain metres. Metric value then converted to US survey feet for use in the US and international feet for use in Cayman Islands. |   |
| <i>Semi-major axis</i>    | 6378206.4 m  |   |
| <i>Semi-minor axis</i>    | 6356583.8 m  |   |

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|                            |                               |   |
|----------------------------|-------------------------------|---|
| <i>Item class</i>          | PrimeMeridian                 |   |
| <i>Name</i>                | <b>Greenwich</b>              |   |
| <i>Item status</i>         | VALID                         |   |
| <i>Identifier</i>          | 25                            |   |
| <i>Alias</i>               | Zero meridian                 |   |
| <i>Information source</i>  | <i>Title</i>                  | Why the Greenwich meridian moved                                |
|                            | <i>Author</i>                 | S. Malys, J.H. Seago, N.K. Pavlis, P.K. Seidelmann, G.H. Kaplan |
|                            | <i>Publisher</i>              | Springer International Publishing                               |
|                            | <i>Publication date</i>       | 2015-12   |
|                            | <i>Series/Journal name</i>    | Journal of Geodesy  |
|                            | <i>Issue identification</i>   | Volume 89, No. 12   |
|                            | <i>Page</i>                   | 1263–1272   |
| <i>Information source</i>  | <i>Title</i>                  | IERS Conventions (2010)   |
|                            | <i>Author</i>                 | G. Petit, B.J. Luzum (eds)                                      |
|                            | <i>Publisher</i>              | Verlag des Bundesamts für Kartographie und Geodäsie             |
|                            | <i>Publication date</i>       | 2010  |
|                            | <i>Edition date</i>           |   |
|                            | <i>Series/Journal name</i>    | IERS Technical Notes  |
|                            | <i>Issue identification</i>   | 36.0  |
| <i>Data source</i>         | <i>Other citation details</i> | ISSN: 1019-4568   |
|                            | ISO Geodetic Registry         |   |
| <i>Greenwich longitude</i> | 0.0 °                         |   |