

Identification_Information:

Citation:

Citation_Information:

Originator: Manitoba Infrastructure, Planning and Design Branch, Geographic & Records Management Section

Publication_Date: 2018

Publication_Time: Unknown

Title: Linear Referencing System

Edition:

Geospatial_Data_Presentation_Form: Linear Features

Series_Information:

Publication_Information:

Other_Citation_Details:

The Manitoba Land Initiative data warehouse web site provides a means to access land based information directly

Online_Linkage: <https://mli2.gov.mb.ca/>

Larger_Work_Citation:

Citation_Information:

Series_Information:

Publication_Information:

Description:

Abstract:

The Linear Referencing System is the digital representation of the Highway Network in Manitoba. The features indicate highway number and highway identity. This data was corrected using 1:60,000 digital ortho aerial photography dated from 1991-1998. Linear features have been updated on a yearly basis using GPS data, CAD files and 50cm imagery from 2007-2015.

Purpose:

To provide the public with high accuracy centre line of the Highway Network in Manitoba.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Range_of_Dates/Times:

Beginning_Date: 20180101

Ending_Date: 20181231

Multiple_Dates/Times:

Currentness_Reference: Publication Date

Status:

Progress: In work

Maintenance_and_Update_Frequency: Yearly

Spatial_Domain:

Bounding_Coordinates

West_Bounding_Coordinate:

East_Bounding_Coordinate:

North_Bounding_Coordinate:

South_Bounding_Coordinate:

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: None

Theme_Keyword: None

Theme_Keyword: None

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: None

Place_Keyword: None

Place_Keyword: None

Stratum:

Temporal:

Access_Constraints: None

Use_Constraints:

The data represent the results of data collection / processing for a specific activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Organization_Primary:

Contact_Organization: Manitoba Infrastructure

Contact_Person: Andrew Lindsay

Contact_Position: Senior Geographic Tech.

Contact_Address:

Address_Type: mailing and physical address

Address: 1420 215 Garry Street

City: Winnipeg

State_or_Province: Manitoba

Postal_Code: R3C 3P3

Country: Canada

Contact_Voice_Telephone: (204) 945-8612

Contact_Facsimile_Telephone: (204) 945-0593

Contact_Electronic_Mail_Address: andrew.lindsay@gov.mb.ca

Security_Information:

Native_Data_Set_Environment:

Operating System is Windows NT.

Applications are based on the CARIS (Computer Aided Resource Information System).

Data is available in SHP, KML and DXF format.

Cross_Reference:

Citation_Information:

Series_Information:

Publication_Information:

Data_Quality_Information:

Attribute_Accuracy:

Positional_Accuracy:

Horizontal_Positional_Accuracy: 2.0 – 7.0 metres

Vertical_Positional_Accuracy: NA

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Series_Information:

Publication_Information:

Larger_Work_Citation:

Citation_Information:

Series_Information:

Publication_Information:

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Range_of_Dates/Times:

Multiple_Dates/Times:

Process_Step:

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Organization_Primary:

Contact_Address:

Spatial_Data_Organization_Information:

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Map_Projection:

Map_Projection_Name: Universal Transverse Mercator (UTM),
NAD 83, zone 14.

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: coordinate pair

Coordinate_Representation:

Abscissa_Resolution: 2.0

Ordinate_Resolution: 2.0

Distance_and_Bearing_Representation:

Planar_Distance_Units: Meters

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 80

Semi-major_Axis: Unknown

Denominator_of_Flattening_Ratio: Unknown

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Datum_Name:

Altitude_Resolution:

Altitude_Distance_Units:

Altitude_Encoding_Method:

Depth_System_Definition:

Depth_Datum_Name:

Depth_Resolution:

Depth_Distance_Units:

Depth_Encoding_Method:

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Attribute:

Attribute_Domain_Values:

Attribute_Value_Accuracy_Information:

Overview_Description:

Distribution_Information:

Distributor:

Contact_Information:

Contact_Person_Primary:

Contact_Organization_Primary:

Contact_Organization: Highway Planning and Design Branch,
Geographic & Records Management Section

Contact_Person: Andrew Lindsay

Contact_Position: Lead GIS Tech.

Contact_Address:

Address_Type: mailing and physical address

Address: 1420 215 Garry Street

City: Winnipeg

State_or_Province: Manitoba
Postal_Code: R3C 3P3
Country: Canada
Contact_Voice_Telephone: (204) 945-8612
Contact_Facsimile_Telephone: (204) 945-0593
Contact_Electronic_Mail_Address: andrew.lindsay@gov.mb.ca

Distribution_Liability:

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Standard_Order_Process:

Digital_Form:
Digital_Transfer_Information:
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:
Dialup_Instructions:
OffLine_Option:
Recording_Capacity:

Available_Time_Period:

Time_Period_Information:
Single_Date/Time:
Range_of_Dates/Times:
Multiple_Dates/Times:

Metadata_Reference_Information:

Metadata_Date: 2017-09-01
Metadata_Contact:

Contact_Information:
Contact_Person_Primary:
Contact_Organization_Primary:
Contact_Organization: Highway Planning and Design Branch,
Geographic & Records Management Section
Contact_Person: Andrew Lindsay
Contact_Position: Lead GIS Tech.
Contact_Address:
Address_Type: mailing and physical address
Address: 1420 215 Garry Street
City: Winnipeg
State_or_Province: Manitoba
Postal_Code: R3C 3P3
Country: Canada
Contact_Voice_Telephone: (204) 945-8612
Contact_Facsimile_Telephone: (204) 945-0593
Contact_Electronic_Mail_Address: andrew.lindsay@gov.mb.ca

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: 19940608

Metadata_Time_Convention: Local time

Metadata_Access_Constraints: None

Metadata_Use_Constraints: None

Metadata_Security_Information: