

SURVEYING AND MAPPING DIVISION  
Alberta Survey Control Marker (ASCM) Information  
MASCOT DSS-1

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 51 08 04.75403 dms  
Longitude 114 01 22.63177 dms  
Horz Class INTEGRATED , ORDER 3

Marker Installed 68-03  
Date Printed 2025-08-03  
Last Updated 2007-06-20

ASCM 16584  
Tablet Markings DOT702401  
Mapsheet Name CALGARY H  
Mapsheet Number 5664 - 000

Vert Datum CVD28 Updated: 1981-07-01  
Elevation 1083.570 m  
Vert Class INTEGRATED , CONSULT AGENCY

For current information call Geodetic Survey  
(780) 427-3143 FAX: (780) 427-1493

Marker Condition GOOD 68-03-01

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2007-06-20

Scale Factor 0.999900 At Ref Mer 114

Northing 5666499.454 m  
Easting -1606.437 m  
Convergence -0 01 04.34 dms  
Station Ellipsoid Factor 0.999833  
Station Combined Factor 0.999733

ASCM Tablet To Markings	Horizontal Distance (m)(cm)	Std Dev (s)	PPM/ Order	Grid/ Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
206656 DOT702308	365.804	1	41/2	0.999733	180 02 57.67	2.3	0.00
581942 702405	383.268	1	97/3	0.999732	162 41 49.62	8.1	0.00
139204 230263	458.813	1	50/2	0.999734	198 01 57.05	4.2	0.00
43844 DOT702335	548.455	1	24/1	0.999733	118 48 31.84	1.7	0.00
270207 664+00.56	697.143	1	26/2	0.999732	75 36 17.72	2.2	0.00
244673 DOT702353	802.315	1	20/1	0.999733	104 07 41.35	1.6	0.00

GEOID DATA (GSD95) Updated: 98-11-06

Component Magnitude Std Dev

MARKER TYPE

Updated: 1996-03-01

Meridian Defl,XI(+N) 2.4 s 2 s  
Prime Vert Defl,ETA(+E) 5.3 s 2 s  
Geoid\_Ellip Separation -16.41 m 1 m

TRANSPORT CANADA DEEP BENCHMARK - CAP  
3 CM BGL

COORDINATE HISTORY

MARKER LOCATION

Updated: 1996-03-01

Originating Project 80042 80042  
Published 81-07-01 81-07-01

COPIED FROM TRANSPORT CANADA;

AT CALGARY INTERNATIONAL AIRPORT; IN NW 1/4 13-25-1-5; 128 M. E OF W SEC. BDY;  
239 M. N OF E-W 1/4 LINE; 114.3 M. W OF C/L OF RUNWAY 16-34; 365.8 M. N OF N  
END OF RUNWAY 16-34; 0.5 M. E OF MP.

Revising Project NAD83  
Published 94-05-24  
Revising Project  
Published  
Revising Project  
Published

NON COORDINATE REVISIONS

1970-11-02 FIRST MARKER LOCATION  
DESCRIPTION ENTERED  
2003-03-12 "MAPSHEET NAME" AND/OR  
"MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56644 0 45

HISTORY DOT 702401 56644 0 45