

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 57 01.46294 dms  
Longitude 114 01 10.73114 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 70-03

ASCM 2683

Tablet Markings 643-0.74

Date Printed 2025-08-03  
Last Updated 2013-01-17

Mapsheet Name CALGARY F  
Mapsheet Number 5646 - 000

Vert Datum CVD28 Updated: 1999-08-16  
Elevation 1013.340 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 93-02-03

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2013-01-17

Scale Factor 0.999900 At Ref Mer 114

Northing 5646004.067 m  
Easting -1380.543 m  
Convergence -0 00 54.93 dms  
Station Ellipsoid Factor 0.999844  
Station Combined Factor 0.999744

ASCM Tablet To Markings	Horizontal Distance (m)	Std Dev (cm)	PPM/Order	Grid/Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
22830 643-0.72	405.830	1	27/1	0.999741	198 04 58.33	2.2	0.00
2089 2314.8	608.817	1	21/1	0.999743	43 43 11.84	1.7	0.00
22269 643-0.216	632.109	1	21/1	0.999741	200 16 33.50	1.7	0.00
32086 643-0.173	659.534	1	18/1	0.999741	198 48 31.98	1.5	0.00
267914 643-0.145	746.140	1	19/1	0.999743	229 19 38.37	1.5	0.00
168591 643-0.165	776.218	1	17/1	0.999744	241 30 02.23	1.3	0.00

GEOID DATA (GSD95) Updated: 96-01-06

Component Magnitude Std Dev

MARKER TYPE

Updated: 1993-03-29

Meridian Defl,XI(+N) 3.7 s 2 s  
Prime Vert Defl,ETA(+E) 5.1 s 2 s  
Geoid\_Ellip Separation -16.13 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG  
FLUSH WITH GROUND, 0.5 M E OF GP

COORDINATE HISTORY

	HORZ	VERT
Originating Project	70103	70103
Published	71-05-25	71-05-25
Revising Project	NAD83	98014
Published	94-05-24	99-08-16
Revising Project		
Published		
Revising Project		
Published		

MARKER LOCATION

Updated: 1993-03-29

LOCATED BETWEEN CITY OF CALGARY TRANSFORMER SITE AND THE BOW RIVER, JUST SOUTH OF DEERFOOT TRAIL AND WEST OF DOUGLASDALE SUBDIVISION; 40 M EAST OF THE TOP OF BANK OF RIVER; 1.5 M EAST OF THE 2ND TRIPLE POWER POLE ASSEMBLY EAST OF RIVER; 23.2 M SW OF THE SW CORNER OF TRANSFORMER SITE.

NON COORDINATE REVISIONS

1971-05-25 FIRST MARKER LOCATION DESCRIPTION ENTERED  
2003-03-12 "MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER CONDITION COMMENTS	Inspected	Updated
MARKER REPORTED IN GOOD CONDITION	1993-02-03	1993-03-29
MARKER REPORTED IN GOOD CONDITION	1989-03-20	1990-05-02
MARKER REPORTED IN GOOD CONDITION.	1989-03-06	1989-07-18
MARKER REPORTED IN GOOD CONDITION	1988-05-11	1988-05-26

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56434 0 74

VERT

99-08-16

0.005 m ELEVATION REVISED AND REINTEGRATED

HISTORY 643+00.74 56434 0 74