

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

Horz Datum NAD83 Updated: 1994-05-24  
Latitude 50 59 57.46318 dms  
Longitude 114 05 41.99995 dms  
Horz Class INTEGRATED , ORDER 2

Marker Installed 67-03  
Date Printed 2025-08-03  
Last Updated 2003-03-12

ASCM 1941  
Tablet Markings D84  
Mapsheet Name CALGARY F  
Mapsheet Number 5649 - 004

Vert Datum CVD28 Updated: 2001-02-07  
Elevation 1093.378 m  
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 88-02-22

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 1999-10-02

Scale Factor 0.999900 At Ref Mer 114

Northing 5651446.424 m  
Easting -6668.212 m  
Convergence -0 04 25.78 dms  
Station Ellipsoid Factor 0.999831  
Station Combined Factor 0.999732

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)
64139 2017.21	127.891	1	149/3	0.999730	170 42 32.80	7.1	0.00
270264 200172	234.616	1	55/2	0.999729	176 29 40.71	2.6	0.00
131854 2017.20	267.059	1	64/2	0.999732	126 06 33.28	5.0	0.00
127712 D82	350.456	1	37/2	0.999731	24 08 31.37	2.8	-0.01
188490 2017.19	351.255	1	48/2	0.999734	91 30 54.44	4.1	0.00
261727 D83	408.911	1	49/2	0.999732	317 16 04.86	3.6	-0.01

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

Component	Magnitude	Std Dev
Meridian Defl,XI(+N)	3.3 s	2 s
Prime Vert Defl,ETA(+E)	6.4 s	2 s
Geoid_Ellip Separation	-16.08 m	1 m

MARKER TYPE

Updated: 1973-02-06

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG

COORDINATE HISTORY

	HORZ	VERT
Originating Project	72111	72111
Published	70-06-24	70-06-24
Revising Project	NAD83	98017
Published	94-05-24	01-02-07
Revising Project		98014
Published		99-08-16
Revising Project		
Published		

MARKER LOCATION

Updated: 1988-07-22

LOCATED AT INTERSECTION GLENMORE DAM AND 14 STREET SOUTH WEST SOUTH SIDE; 16.0 M NORTH OF 6.0' FROST FENCE AT END OF OLD 14TH STREET; 12.0 M WEST OF DOUBLE POWER POLES AT TOP OF BANK; 1.0 M SOUTH OF TOP OF BANK.

NON COORDINATE REVISIONS

1973-02-06 FIRST MARKER LOCATION DESCRIPTION ENTERED  
2003-03-12 "MAPSHEET NAME" AND/OR "MAPSHEET NO" CHANGED

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION

1988-02-22 1988-07-22

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56494 4 31

VERT

01-02-07 -0.007 m ELEVATION REVISED AND REINTEGRATED  
99-08-16 0.036 m ELEVATION REVISED AND REINTEGRATED

HISTORY 56494 4 31