

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

Horz Datum NAD83 Updated: 1994-05-24
Latitude 50 58 26.55464 dms
Longitude 114 02 17.00147 dms
Horz Class INTEGRATED , ORDER 2

Marker Installed 72-03
Date Printed 2025-08-03
Last Updated 2005-08-02

ASCM 42903
Tablet Markings 646+00.118
Mapsheet Name CALGARY F
Mapsheet Number 5646 - 000

Vert Datum CVD28 Updated: 1999-08-16
Elevation 1019.222 m
Vert Class INTEGRATED , SPIRIT LEVELS

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

Marker Condition GOOD 93-03-31

3TM COORDINATES

ADJACENT MARKERS (calculated)

Updated: 2005-08-02

Scale Factor 0.999900 At Ref Mer 114

Northing 5648633.822 m
Easting -2672.663 m
Convergence -0 01 46.43 dms
Station Ellipsoid Factor 0.999843
Station Combined Factor 0.999743

ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)
222687 646+00.119	383.583	1 31/2	0.999741	140 10 55.25	2.5	0.00
90480 646-0.116	398.905	1 25/1	0.999741	277 40 29.76	2.1	0.00
778 646+00.114	421.197	1 38/2	0.999743	241 26 48.72	2.9	0.00
135939 646+00.115	506.355	1 26/1	0.999742	270 53 32.12	2.0	0.00
172734 646+00.117	626.063	1 19/1	0.999742	289 14 48.13	1.6	0.00
292631 228154	649.289	1 23/1	0.999743	129 25 10.41	1.8	0.00

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

Component Magnitude Std Dev

MARKER TYPE

Updated: 1993-07-07

Meridian Defl,XI(+N) 3.5 s 2 s
Prime Vert Defl,ETA(+E) 5.4 s 2 s
Geoid_Ellip Separation -16.15 m 1 m

ASC CAP ON 6 CM DIA STEEL PIPE 3.0 M LONG
3 CM BGL, 0.30 M SOUTH OF GP

COORDINATE HISTORY

MARKER LOCATION

Updated: 1993-07-07

Originating Project 72113 72113
Published 72-11-20 72-11-20

NEAR THE NORTH END OF RIVERSIDE PARK S.E.; 36.80 M WEST OF THE WEST BANK OF
BOW RIVER; 2.0 M SOUTH OF THE NORTH P/L STEEL FENCE OF RIVERSIDE PARK; 31.80
M WNW OF STORMWATER OUTFLOW SIGN B3.

Revising Project NAD83 98014
Published 94-05-24 99-08-16
Revising Project
Published
Revising Project
Published

NON COORDINATE REVISIONS

1972-11-28 FIRST MARKER LOCATION
DESCRIPTION ENTERED
2003-03-12 "MAPSHEET NAME" AND/OR
"MAPSHEET NO" CHANGED
1993-01-22 TABLET MARKINGS CHANGED FROM
646+00118

MARKER CONDITION COMMENTS

Inspected Updated

MARKER REPORTED IN GOOD CONDITION

1993-03-31 1993-07-07

COORDINATE HISTORY COMMENTS

HORZ 94-05-24

ALBERTA NAD83 READJUSTMENT

HISTORICAL/OTHER MARKER NAMES

VERT

OLD ASC # 56464 0 118

99-08-16

0.011 m ELEVATION REVISED AND REINTEGRATED

HISTORY 646+00.118 56464 0 118