

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

Horz Datum NAD83 Updated: 1994-05-24 Latitude 51 05 47.10477 dms Longitude 114 21 47.08447 dms Horz Class INTEGRATED , ORDER 2	Marker Installed 79-03 Date Printed 2025-08-03 Last Updated 2022-12-02	ASCM 11718 Tablet Markings 661-24.2 Mapsheet Name CALGARY K Mapsheet Number 5661 - 024
Vert Datum CVD28 Updated: 2001-11-09 Elevation 1198.314 m Vert Class INTEGRATED , SPIRIT LEVELS	For current information call Geodetic Survey (780) 427-3143 FAX: (780) 427-1493	
	Marker Condition	GOOD 05-01-18

3TM COORDINATES	ADJACENT MARKERS (calculated)	Updated: 2022-12-02
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Scale Factor 0.999900 At Ref Mer 114 Northing 5662308.573 m Easting -25431.864 m Convergence -0 16 57.18 dms Station Ellipsoid Factor 0.999815 Station Combined Factor 0.999723	<table border="0"> <tr> <th style="text-align: left;">ASCM Tablet To Markings</th> <th style="text-align: left;">Horizontal Distance (m) (cm)</th> <th style="text-align: left;">Std Dev Order</th> <th style="text-align: left;">PPM/ Grid/ Grnd Factor</th> <th style="text-align: left;">Grid Bearing (dms)</th> <th style="text-align: left;">Std Dev (s)</th> <th style="text-align: left;">T-t Corr (s)</th> </tr> <tr> <td>149203 661-24.3</td> <td>326.916</td> <td>1</td> <td>37/2 0.999723</td> <td>270 17 16.30</td> <td>3.2</td> <td>0.00</td> </tr> <tr> <td>453951 661-24.8</td> <td>442.518</td> <td>1</td> <td>36/2 0.999723</td> <td>269 26 00.14</td> <td>3.0</td> <td>0.00</td> </tr> <tr> <td>25320 661-24.4</td> <td>720.074</td> <td>1</td> <td>29/2 0.999724</td> <td>270 16 33.11</td> <td>2.5</td> <td>0.00</td> </tr> <tr> <td>936443 715104</td> <td>726.184</td> <td>1</td> <td>39/2 0.999723</td> <td>5 30 08.17</td> <td>2.9</td> <td>-0.05</td> </tr> <tr> <td>151894 661-24.1</td> <td>819.065</td> <td>1</td> <td>46/2 0.999721</td> <td>90 16 24.18</td> <td>3.9</td> <td>0.00</td> </tr> <tr> <td>911214 715304</td> <td>838.263</td> <td>1</td> <td>41/2 0.999722</td> <td>349 11 44.25</td> <td>3.3</td> <td>-0.05</td> </tr> </table>	ASCM Tablet To Markings	Horizontal Distance (m) (cm)	Std Dev Order	PPM/ Grid/ Grnd Factor	Grid Bearing (dms)	Std Dev (s)	T-t Corr (s)	149203 661-24.3	326.916	1	37/2 0.999723	270 17 16.30	3.2	0.00	453951 661-24.8	442.518	1	36/2 0.999723	269 26 00.14	3.0	0.00	25320 661-24.4	720.074	1	29/2 0.999724	270 16 33.11	2.5	0.00	936443 715104	726.184	1	39/2 0.999723	5 30 08.17	2.9	-0.05	151894 661-24.1	819.065	1	46/2 0.999721	90 16 24.18	3.9	0.00	911214 715304	838.263	1	41/2 0.999722	349 11 44.25	3.3	-0.05	
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GEOID DATA (GSD95) Updated: 96-01-06

Component Magnitude Std Dev	MARKER TYPE	Updated: 2002-04-30
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Meridian Defl,XI(+N) 3.0 s 2 s Prime Vert Defl,ETA(+E) 8.4 s 2 s Geoid_Ellip Separation -15.57 m 1 m	25CM X 9.5M STEEL PIPE FILLED WITH CONCRETE DRIVEN TO A DEPTH OF 8M WITH A STAINLESS STEEL PLATE CEMENTED ON TOP. 1.39 M AGL, LANDSCAPED.	
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COORDINATE HISTORY	HORZ	VERT	MARKER LOCATION	Updated: 1997-10-03
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Originating Project 79043 79043 Published 83-09-01 83-09-01	LOCATED NEAR THE SW CORNER OF SE1/4 SEC 4-25-3-5; 27.8 M NORTH OF THE CENTRE LINE OF OLD BANFF COACH ROAD; 0.8 KM EAST OF JUNCTION WITH ROAD TO SPRINGBANK AIRPORT; 7.9 M WEST OF THE CENTRE OF AN APPROACH; 4.6 M NORTH OF THE FENCE ALONG THE NORTH BOUNDARY OF THE ROAD; ON PRIVATE PROPERTY.	
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Revising Project NAD83 21006 Published 94-05-24 01-11-09 Revising Project Published Revising Project Published		
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NOTE: ELEVATION IS REFERRED TO THE TOP OF THE STAINLESS STEEL PLATE.

NON COORDINATE REVISIONS

1980-02-12 FIRST MARKER LOCATION DESCRIPTION ENTERED 2003-03-12 "MAPSHEET NAME" AND "MAPSHEET NO" CHANGED 2001-12-10 SEE 'HISTORICAL/OTHER MARKER NAMES' 1998-01-27 NGDB # ENTERED	MARKER CONDITION COMMENTS MARKER REPORTED IN GOOD CONDITION MARKER REPORTED IN GOOD CONDITION MARKER REPORTED IN GOOD CONDITION MARKER REPORTED IN GOOD CONDITION BY C. EDWARDS OF RDD.	<table border="0"> <tr> <th style="text-align: left;">Inspected</th> <th style="text-align: left;">Updated</th> </tr> <tr> <td>2005-01-18</td> <td>2005-03-30</td> </tr> <tr> <td>2002-04-15</td> <td>2002-04-30</td> </tr> <tr> <td>1999-09-11</td> <td>1999-09-24</td> </tr> <tr> <td>1997-09-17</td> <td>1997-10-03</td> </tr> </table>	Inspected	Updated	2005-01-18	2005-03-30	2002-04-15	2002-04-30	1999-09-11	1999-09-24	1997-09-17	1997-10-03
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2005-01-18	2005-03-30											
2002-04-15	2002-04-30											
1999-09-11	1999-09-24											
1997-09-17	1997-10-03											

COORDINATE HISTORY COMMENTS

HORZ 94-05-24	ALBERTA NAD83 READJUSTMENT	
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HISTORICAL/OTHER MARKER NAMES

OLD ASC # 56614 24 2 NGDB # 77X1056 NGDB NAME 661-24.2 HISTORY 56614 24 2	VERT 01-11-09 0.042 m REVISED ELEVATION-BETTER INTEGRATION	
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