



Mn/DOT Name: MNCORS COL2 COLOGNE 2 ARP

NGS Name: COLOGNE 2 MNCORS ARP

County: CARVER, MN (Sheet 1)

NGS ACRN: [DS3065](#) [Get Map](#)
 NGS Quad / Sta Num : 44093442/
 USGS Quad: WACONIA

				<u>Reference</u>	<u>Reference</u>	<u>Vert</u>	<u>Horz</u>
<u>1/4</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Order</u>	<u>Order</u>
NE	15	115 N	25 W	444611.45	934847.79		C

<u>Year Set</u>	<u>Last Recovery</u>	<u>Condition</u>	<u>Geodetic Usability</u>	<u>Photos</u>	<u>Bridge Num</u>	<u>F/P/R</u>	<u>Magnetic Properties</u>
2014	2025	DESTROYED	Horz=NO Vert=NO	YES			SEE DESCRIPTION

<u>Monument Type</u>	<u>Disk Type</u>	<u>Mon. Agency</u>
SEE DESCRIPTIVE TEXT	SEE DESCRIPTION	MNDT

Description: (2014)

Stamping:

1.5 MILES WEST OF COLOGNE, 1.60 MILES WEST ALONG TRUNK HIGHWAY 212 FROM THE JUNCTION OF TRUNK HIGHWAY 212 AND TRUNK HIGHWAY 284 IN COLOGNE TO TRUNK HIGHWAY 212 MILEPOINT 137.05, THEN 0.10 MILE NORTH ON CARVER COUNTY PUBLIC WORKS HEADQUARTERS ROAD, THEN 0.05 MILE WEST ON FIRST STREET CENTER ENTRANCE AND PARKING ROAD, THEN 0.05 MILE NORTH TO THE WEST ENTRANCE, AT THE CARVER COUNTY GOVERNMENT CENTER, ATTACHED TO THE ROOF ON THE SOUTH SIDE OF A BUILDING. STATION MNCORS COL2 COLOGNE 2 ARP IS THE TOP OF A BRACKET OF A GPS ANTENNA MOUNT.

Station Notes

NATIONAL GEODETIC SURVEY (NGS) SITE ID IS MNCO.

* No Leveling-Derived Orthometric Heights in the Database *

Non Leveling-Derived Orthometric and Ellipsoid Heights (Meters)

NAVD88

<u>Orthometric Height</u>			<u>Ellipsoid (NAD83)</u>				<u>Determination Method</u>		<u>Project Info</u>	
<u>Height</u>	<u>Acc</u>	<u>Order (/Class)</u>	<u>Height</u>	<u>Acc</u>	<u>Adj</u>	<u>Year</u>	<u>Reference</u>			
306.720			279.519	.002	2011	2025	GPS3843	HORIZONTAL ADJUSTMENT		
306.720			279.519	.002	2011	2025	HMNARP9	GPS - STATIC		
306.717			279.519	.002	2011	2025	GPS3788	HORIZONTAL ADJUSTMENT		
306.717			279.519	.002	2011	2024	HHUTCH1	GPS - STATIC		
306.729	.040		279.570	.020	1996	2017	HMNCORS07	GPS - STATIC		
			279.511	.002	2011	2015	HMNCORS15	GPS - STATIC		

Geoid Separations(m): GEOID18 = -27.210 12B = -27.203 09 = -27.177 03 = -27.158

Lat/Lon and County Coordinates (Meters)

NAD83(2011)

<u>Geodetic Position</u>		<u>Carver County</u>				<u>Determination Method</u>		<u>Project Info</u>	
<u>Latitude</u>	<u>Longitude</u>	<u>X</u>	<u>Y</u>	<u>Acc</u>	<u>Order</u>	<u>Year</u>	<u>Reference</u>		
44 46 11.44730	93 48 47.79503	148710.446	44941.899	.001		2025	GPS3843	ADJUSTMENT	
44 46 11.44730	93 48 47.79503	148710.446	44941.899	.001	C	2025	HMNARP9	GPS - STATIC	
44 46 11.44730	93 48 47.79503	148710.446	44941.899	.001		2025	GPS3788	ADJUSTMENT	
44 46 11.44730	93 48 47.79503	148710.446	44941.899	.001	C	2024	HHUTCH1	GPS - STATIC	
44 46 11.44730	93 48 47.79456	148710.457	44941.899	.001	A	2015	HMNCORS15	GPS - STATIC	

NAD83(1996)

<u>Geodetic Position</u>		<u>Carver County</u>				<u>Determination Method</u>		<u>Project Info</u>	
<u>Latitude</u>	<u>Longitude</u>	<u>X</u>	<u>Y</u>	<u>Acc</u>	<u>Order</u>	<u>Year</u>	<u>Reference</u>		
44 46 11.44701	93 48 47.79521	148710.442	44941.890	.020		2024	HHUTCH1	NCAT	
44 46 11.44716	93 48 47.79490	148710.449	44941.894	.010	C	2017	HMNCORS07	GPS - STATIC	

State Plane and UTM Coordinates (Meters)

NAD83(2011)

MN State Plane - South Zone		UTM - Zone 15				Project Info		
<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>	<u>Acc</u>	<u>Order</u>	<u>Determination Method</u>	<u>Year</u>	<u>Reference</u>
814780.383	296668.208	435645.265	4957705.451	.001		ADJUSTMENT	2025	GPS3843
814780.383	296668.208	435645.265	4957705.451	.001	C	GPS - STATIC	2025	HMNARP9
814780.383	296668.208	435645.265	4957705.451	.001		ADJUSTMENT	2025	GPS3788
814780.383	296668.208	435645.265	4957705.451	.001	C	GPS - STATIC	2024	HHUTCH1
814780.393	296668.208	435645.275	4957705.450	.001	A	GPS - STATIC	2015	HMNCORS15

NAD83(1996)

MN State Plane - South Zone		UTM - Zone 15				Project Info		
<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>	<u>Acc</u>	<u>Order</u>	<u>Determination Method</u>	<u>Year</u>	<u>Reference</u>
814780.379	296668.199	435645.261	4957705.442	.020		NCAT	2024	HHUTCH1
814780.386	296668.204	435645.267	4957705.446	.010	C	GPS - STATIC	2017	HMNCORS07

Station Photos

<u>Type</u>	<u>File Name</u>	<u>Dir</u>	<u>Date</u>
Location:	https://www.olmweb.dot.state.mn.us/geod/StationPhotos/carver/COLOGNE_2_MNCORS_ARP-DS3065-3NE-29NOV2022.jpg	NE	Nov 29, 2022
Monument:	https://www.olmweb.dot.state.mn.us/geod/StationPhotos/carver/COLOGNE_2_MNCORS_ARP-DS3065-2-29NOV2022.jpg		Nov 29, 2022
Disk:	https://www.olmweb.dot.state.mn.us/geod/StationPhotos/carver/COLOGNE_2_MNCORS_ARP-DS3065-1-29NOV2022.jpg		Nov 29, 2022

** All station images can be viewed at: <ftp://ftp.olmweb.dot.state.mn.us/geod/StationPhotos> **