



Mn/DOT Name: 3507 D

NGS Name: 3507 D

County: KITTSOON, MN (Sheet 1)

NGS ACRN: [DM5857](#) [Get Map](#)
 NGS Quad / Sta Num : 48097114/
 USGS Quad: PEMBINA

<u>1/4</u>	<u>Sec</u>	<u>Twp</u>	<u>Rng</u>	<u>Reference</u> <u>Latitude</u>	<u>Reference</u> <u>Longitude</u>	<u>Vert</u> <u>Order</u>	<u>Horz</u> <u>Order</u>
NE	1	164 N	51 W	485815.50	971205.60	2	3

<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>
2009	2014	GOOD	Horz=NO Vert=YES	YES		FLUSH	MARKER W/BAR MAGNET

<u>Monument Type</u>	<u>Disk Type</u>	<u>Mon. Agency</u>
CONCRETE MONUMENT (CAST-IN-PLACE)	SURVEY DISK	MNDT

Description: (2009) **Stamping:** 3507 D 2009

1.0 MILE EAST OF ST. VINCENT, 1.9 MILES EAST OF THE MINNESOTA AND NORTH DAKOTA BORDER, IN THE BASE OF A REAL TIME REFERENCE NETWORK (RTRN) PEDESTAL, 0.15 MILE SOUTHWEST ALONG TRUNK HIGHWAY 171 FROM THE JUNCTION OF TRUNK HIGHWAY 171 AND TRUNK HIGHWAY 75 EAST OF ST. VINCENT, 88.3 FEET NORTHWEST OF TRUNK HIGHWAY 171.

Leveling-Derived Orthometric Heights (Meters)

<u>NAVD88</u>			<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>					
242.590	.005	2/1				2019	00000941					
242.595	.005	2/1				2015	VBINA					
242.595	.005	2/1				2011	00000681					
242.601	.005	2/1				2009	VVINC					

Non Leveling-Derived Orthometric and Ellipsoid Heights (Meters)

<u>NAVD88</u>			<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>					
242.595	.080		215.862	.060	2011	2014	RTRN2014					

Geoid Separations(m): GEOID18 = -26.742 12B = -26.733 09 = -26.708 03 = -26.675

Lat/Lon and County Coordinates (Meters)

<u>NAD83(2011)</u>		<u>Geodetic Position</u>		<u>Kittson County</u>		<u>Acc</u>		<u>Order</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>				
48 58 15.49720	97 12 05.59604	75409.984	78507.351	.040	3	2014	RTRN2014				

State Plane and UTM Coordinates (Meters)

<u>NAD83(2011)</u>		<u>MN State Plane - North Zone</u>		<u>UTM - Zone 15</u>		<u>Acc</u>		<u>Order</u>	<u>Determination Method</u>	<u>Project Info</u>	
<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>	<u>X</u>	<u>Y</u>	<u>Acc</u>	<u>Order</u>	<u>Year</u>	<u>Reference</u>		
499818.375	382696.047	192547.117	5432739.980	.040	3	2014	RTRN2014				

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/kittson/3507_D-DM5857-3NW-17JUN2014.jpg	NW	Jun 17, 2014
Monument:	https://www.olmweb.dot.state.mn.us/geod/StationPhotos/kittson/3507_D-DM5857-2-17JUN2014.jpg		Jun 17, 2014
Disk:	https://www.olmweb.dot.state.mn.us/geod/StationPhotos/kittson/3507_D-DM5857-1-17JUN2014.jpg		Jun 17, 2014

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