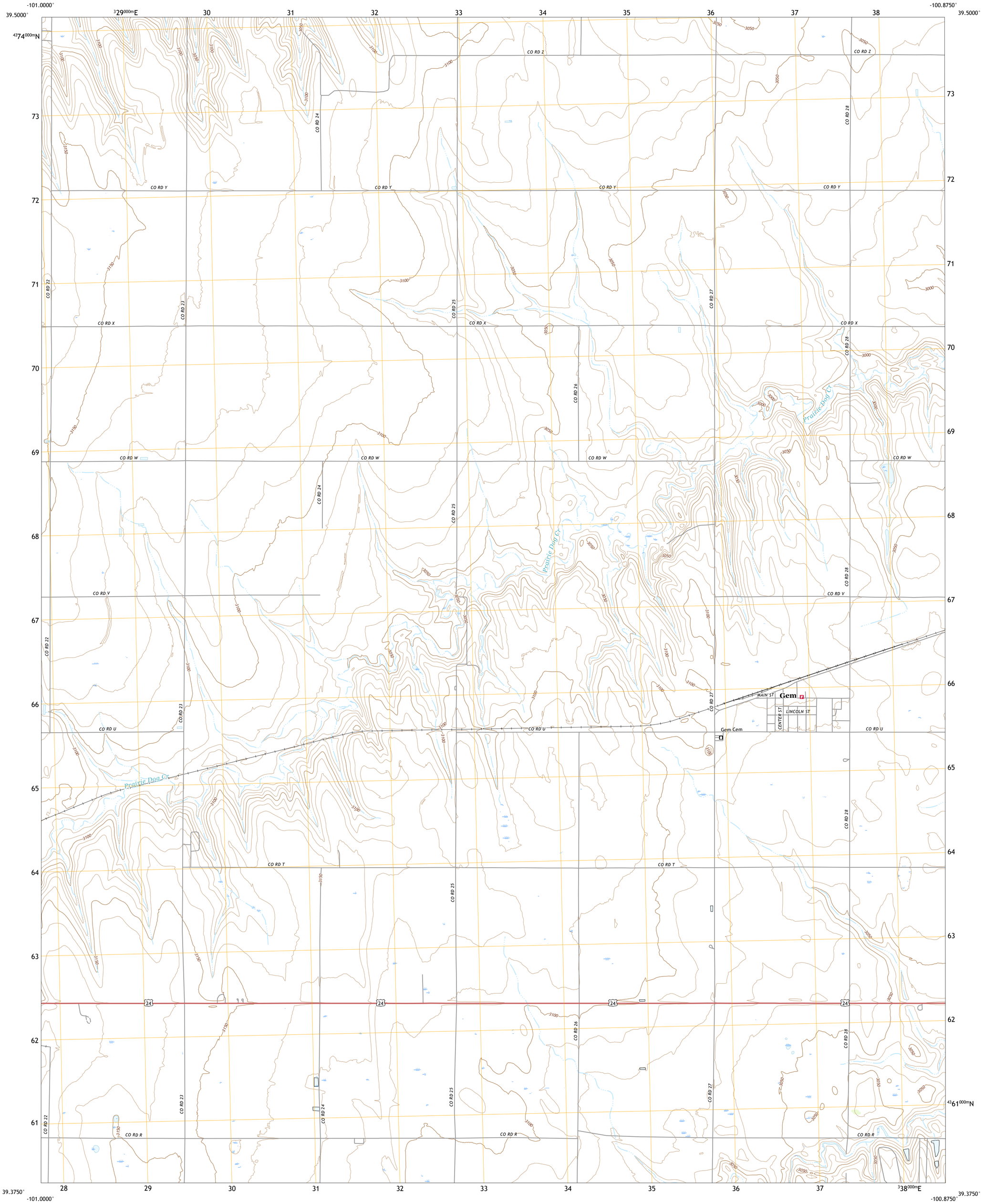
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

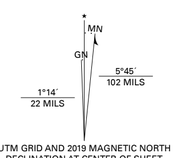
GEM QUADRANGLE
KANSAS - THOMAS COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14S

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery	NAIP,	July 2017 - September 2017
Roads	U.S. Census Bureau,	2018
Names	GNIS,	1978 - 2018
Hydrography	National Hydrography Dataset,	2005 - 2018
Contours	National Elevation Dataset,	2018
Boundaries	Multiple sources; see metadata file	2016 - 2017
Public Land Survey System	BLM,	2016
Wetlands	FWS National Wetlands Inventory	1985



UTM GRID AND 2019 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

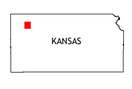
U.S. National Grid
100,000 - m Square ID
LJ
Grid Zone Designation
14S

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18



QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES

1 Chardon SE
2 Long Draw South
3 Achilles SE
4 Colby
5 Breton
6 Colby SE
7 Mingo
8 Halford

ROAD CLASSIFICATION

Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

GEM, KS
2018

NSN 7643016367015
NGA REF NO. USGSX24K17021