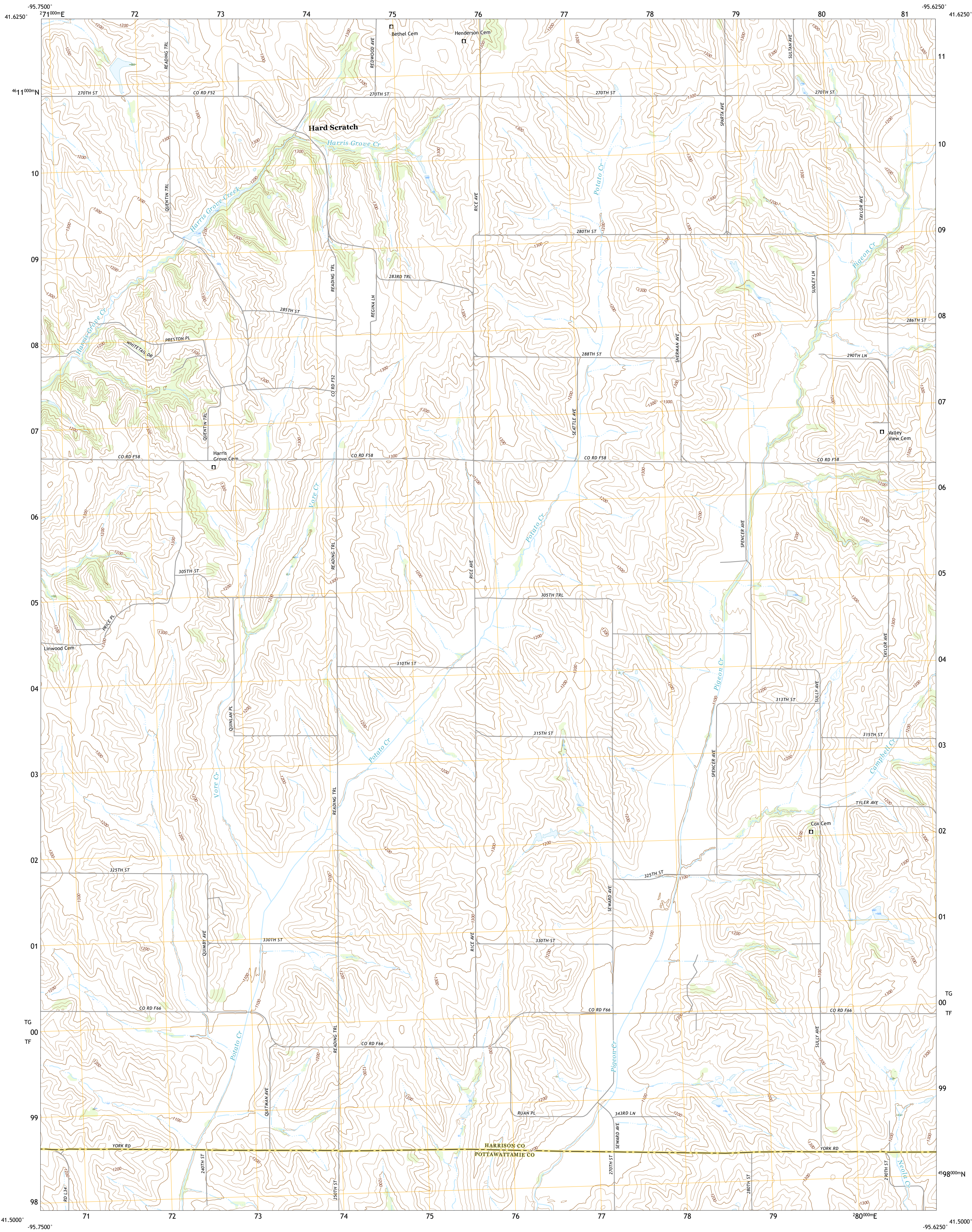




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U.S. GEOLOGICAL SURVEY

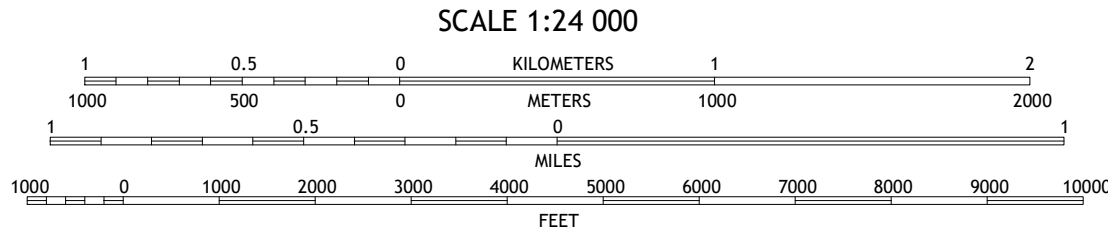
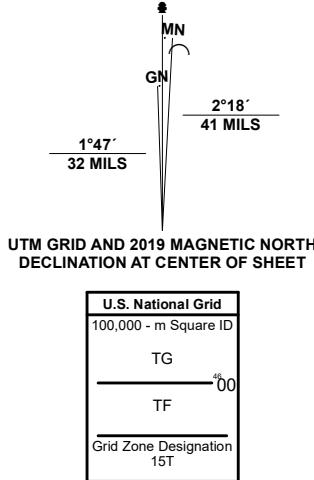


HARD SCRATCH QUADRANGLE
IOWA
7.5-MINUTE SERIES



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 15T
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 - October 2017
Roads.....U.S. Census Bureau, 2018
Names.....GNIS, 1979 - 2019
Hydrography.....National Hydrography Dataset, 2003 - 2018
Contours.....National Elevation Dataset, 2006
Boundaries.....Multiple sources: see metadata file, 2019 - 2021
Public Land Survey System.....BLM, 2020
Wetlands.....FWS National Wetlands Inventory Not Available



CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
This map was produced to conform with the
National Geospatial Program US Topo Product Standard.



1	2	3
4	5	6
7	8	9

1 Logan
2 Woodbine
3 Portsmouth
4 Beebeetown
5 Persis
6 Honey Creek
7 Underwood
8 Neola

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

HARD SCRATCH, IA
2022

