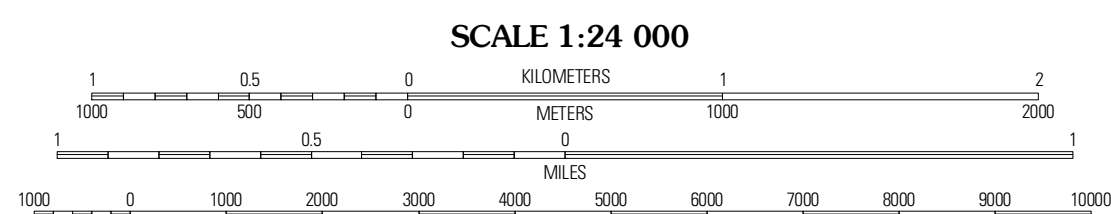
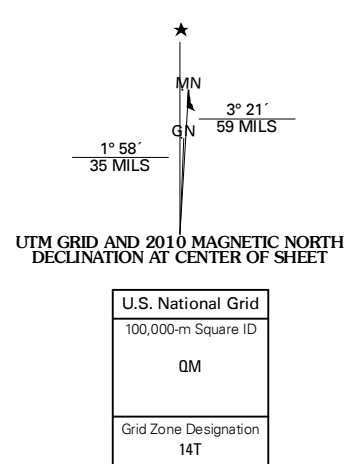




Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) Projection and
1 000-meter grid; Universal Transverse Mercator, Zone 14T
10 000-foot ticks; Iowa Coordinate System of 1983
(north zone)

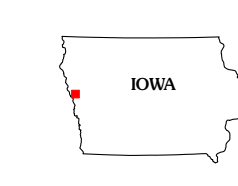
Imagery.....NAP, September 2006
Roads.....US Census Bureau TIGER data
with limited USGS updates, 2008
Names.....GNIS, 2008
Hydrography.....National Hydrography Dataset, 2006
Contours.....National Elevation Dataset, 1999



SCALE 1:24 000

CONTOUR INTERVAL 10 FEET

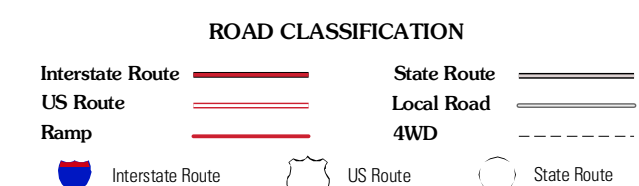
This map was produced to conform with version 0.5.10 of the
draft USGS Standards for 7.5-Minute Quadrangle Maps.
A metadata file associated with this product is also draft version 0.5.10



QUADRANGLE LOCATION

Sloan	Horrick	Smithland
Onawa SW	Onawa	Castana
Tekamah NW	Blencoe	Moorhead NW

ADJOINING 7.5 QUADRANGLES



ONAWA, IA
2010