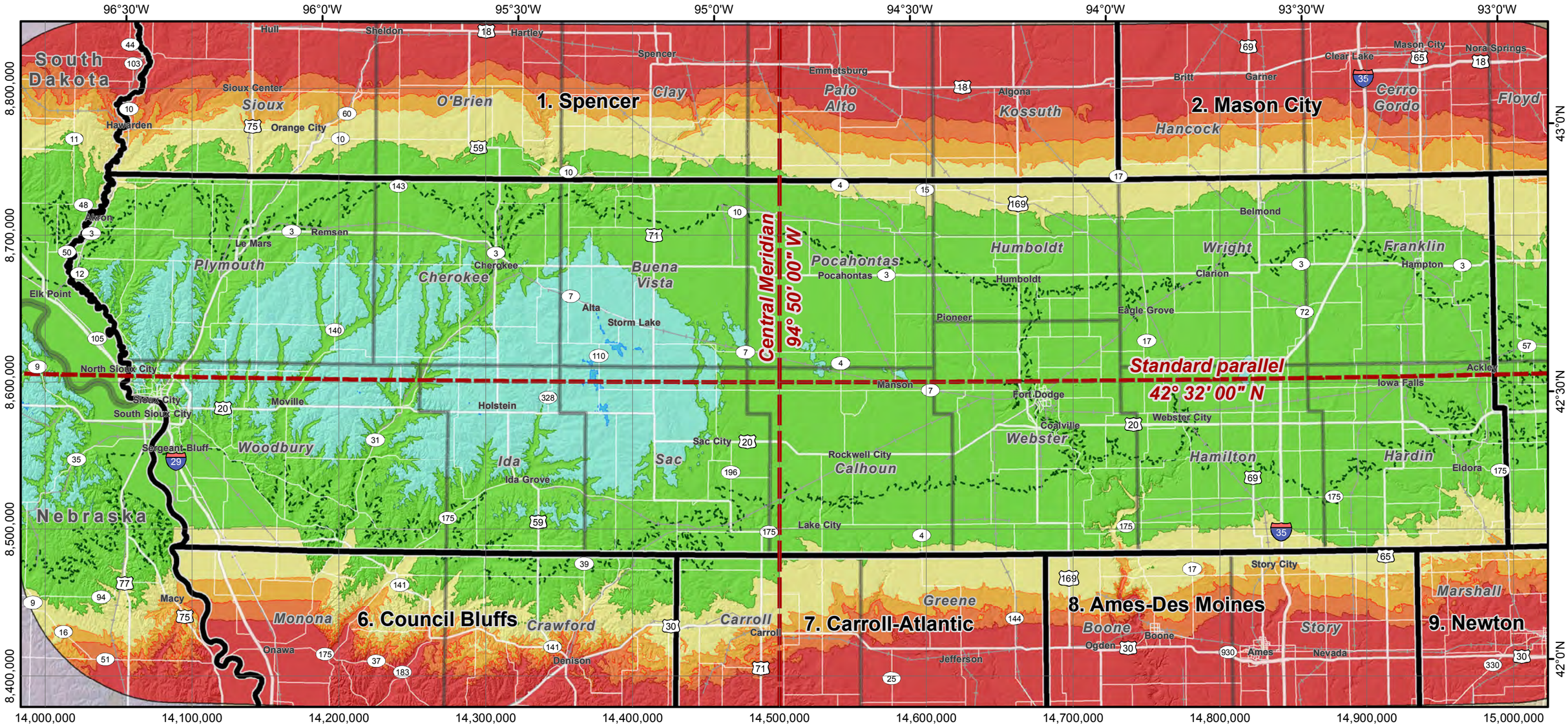


Iowa Regional Coordinate System

Zone 4: Sioux City-Iowa Falls

Lambert Conformal Conic projection
(single parallel)
North American Datum of 1983

Standard parallel & grid origin:	42° 32' 00" N
Central meridian:	94° 50' 00" W
False northing:	8,600,000.000 sft
False easting:	14,500,000.000 sft
Standard parallel scale:	1.000 045 (exact)

Grid North

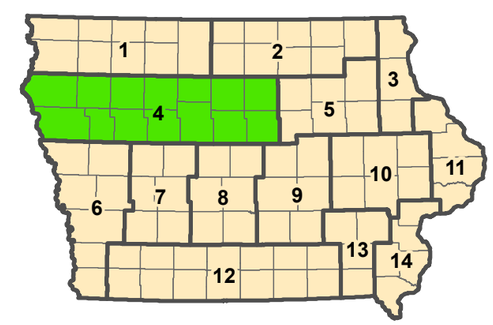
Linear unit is US survey foot (sft)
1 sft = 1200 / 3937 meter (exact)

Scale 1:800,000
(when printed on 11" x 17" sheet)

0 5 10 15 20 25 Miles

Linear distortion
(parts per million)

- - - Zero distortion
- <-30 ppm (<-0.16 ft/mi)
- -25 to -30 ppm
- -20 to -25 ppm
- -10 to -20 ppm
- ±10 ppm (±0.05 ft/mi)
- +10 to +20 ppm
- +20 to +25 ppm
- +25 to +30 ppm
- >+30 ppm (>+0.16 ft/mi)



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Prepared for
Iowa Department of Transportation

February 2014

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