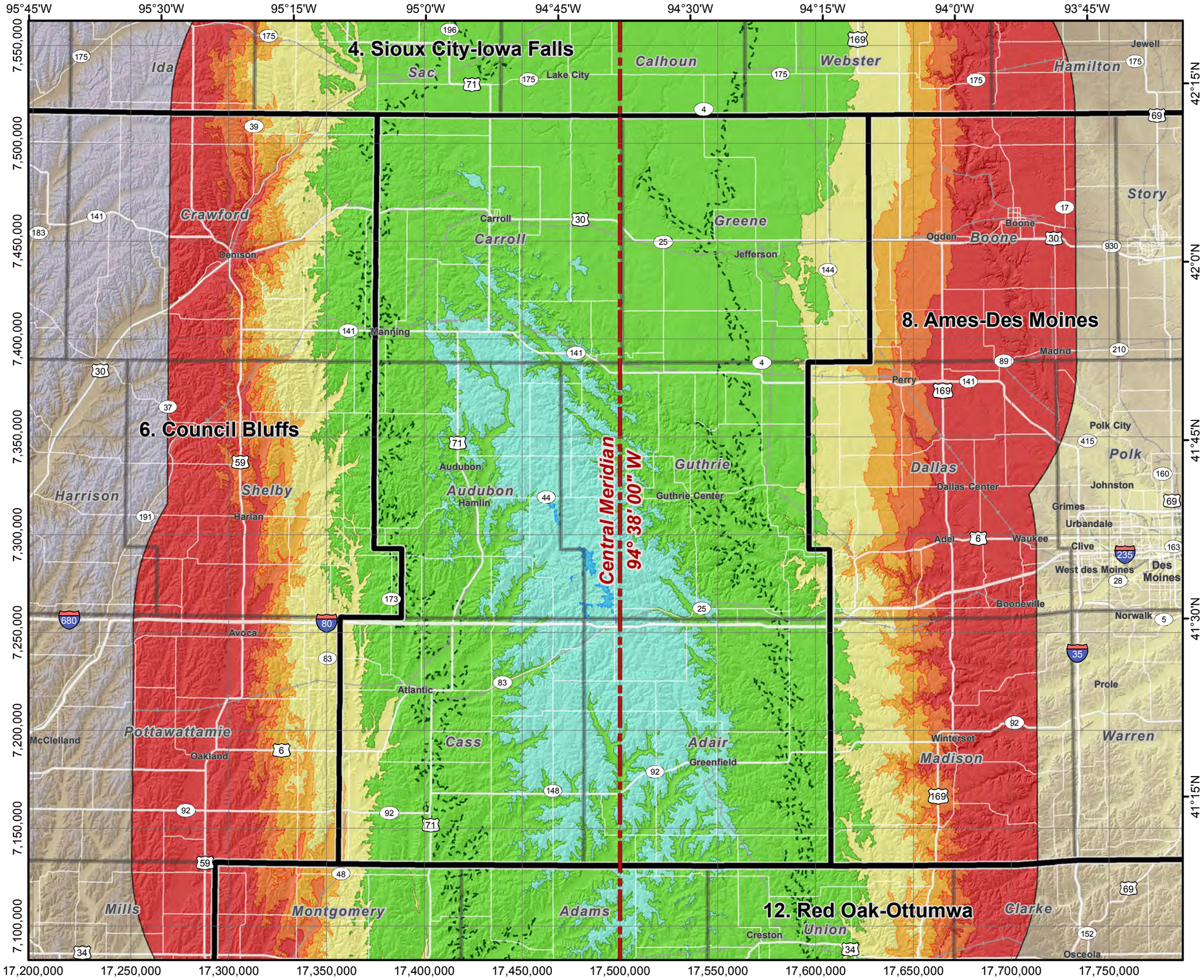


Iowa Regional Coordinate System

Zone 7: Carroll-Atlantic

Transverse Mercator projection
North American Datum of 1983

Latitude of grid origin:	40° 15' 00" N
Central meridian:	94° 38' 00" W
False northing:	6,800,000.000 sft
False easting:	17,500,000.000 sft
Central meridian scale:	1.000 045 (exact)

Grid North

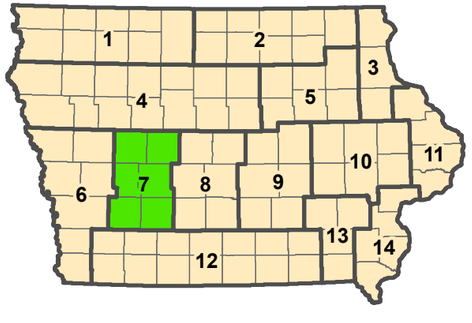
Linear unit is US survey foot (sft)
1 sft = 1200 / 3937 meter (exact)

Scale 1:600,000
(when printed on 11" x 17" sheet)

0 5 10 15 20 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
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IOWA DOT