

AMES, IOWA

30 X 60 MINUTE SERIES (PLANIMETRIC)

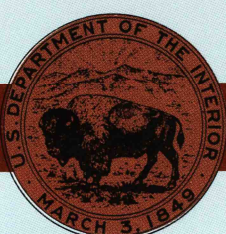
Ames  
IOWA

1:100 000-scale  
planimetric map



30 X 60 MINUTE QUADRANGLE  
SHOWING

- Elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1985

Produced by the United States Geological Survey

Compiled from USGS 1:24 000-scale topographic maps dated 1965-1979. Planimetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edited 1985

Projection and 10 000-meter grid, zone 15, Universal Transverse Mercator  
25 000-foot grid ticks based on Iowa coordinate system, north zone  
1927 North American Datum  
To place on the predicted North American Datum 1983, move the projection lines 4 meters north and 18 meters east

There may be private inholdings within the boundaries of the National or State reservations shown on this map

NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS			
Meters	Feet			1	2	3	
1	3.2808	<p>UTM grid convergence (R/N) and 1983 magnetic declination (M/N) at center of map Diagram is approximate</p>	<p>41° 6 MILS</p>	4	5		
2	6.5617						
3	9.8425						
4	13.1234						
5	16.4042						
6	19.6850						
7	22.9659						
8	26.2467						
9	29.5275						
10	32.8084						
To convert meters to feet multiply by 3.2808				1 Humboldt	2 Iowa Falls	3 Waverly	4 Carroll
To convert feet to meters multiply by 0.3048				5 Marshalltown	6 Guthrie Center	7 Des Moines	8 Grinnell

FOR SALE BY U.S. GEOLOGICAL SURVEY  
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

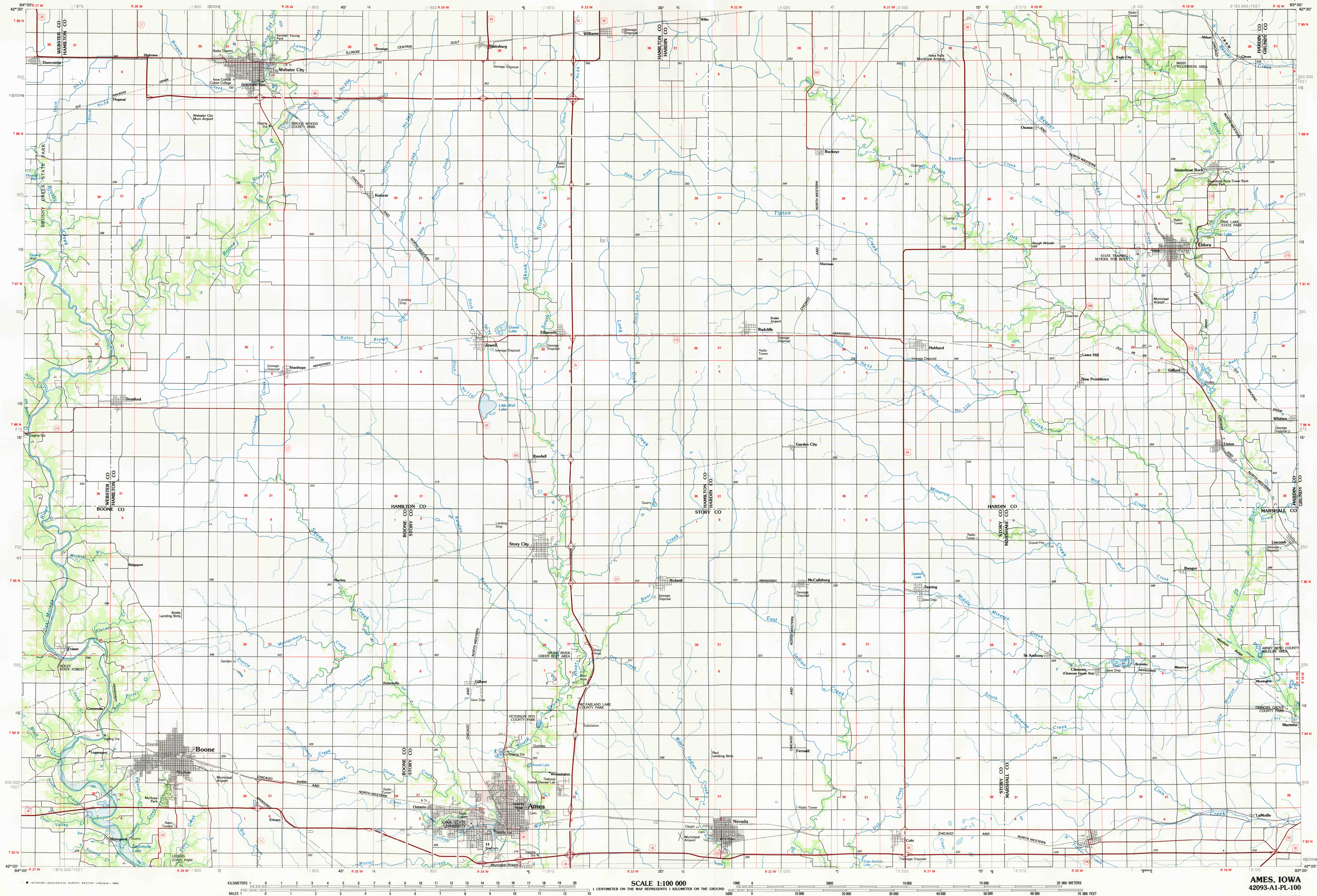
Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal street, hard or improved surface	
Other road or street; trail	
Road marker: interstate, U.S. State	
Railroad: standard gage; narrow gage	
Bridge: overpass; underpass	
Tunnel: road; railroad	
Built up area, locality; elevation	
Airport; landing field; landing strip	
National boundary	
State boundary	
County boundary	
National or State reservation boundary	
Land grant boundary	
U.S. public lands survey: range, township; section	
Range, township; section line: protracted	
Power transmission line: pipeline	
Dam; dam with lock	
Cemetery; building	
Windmill; water well; spring	
Mine shaft; edit or cave; mine, quarry; gravel pit	
Cemagrond; picnic area; U.S. location monument	
Ruins; cliff dwelling	
Disturbed surface: strip mine; lava; sand	
Contours: index; intermediate; supplementary	
Bathymetric contours: index; intermediate	
Stream, lake: perennial; intermittent	
Rapids, large and small; falls, large and small	
Area to be submerged; marsh, swamp	
Land subject to controlled inundation; woodland	
Scrub; mangrove	
Orchard; vineyard	



AMES, IOWA  
42093-A1-PL-100

1985



• INTERIOR-GEOLOGICAL SURVEY REGION, VIRGINIA, 1985

KILOMETERS 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20  
MILES 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13  
SCALE 1:100 000  
CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND  
1 000 0 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000 55000 60000 65000 70000 METERS  
1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 FEET  
1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 METERS