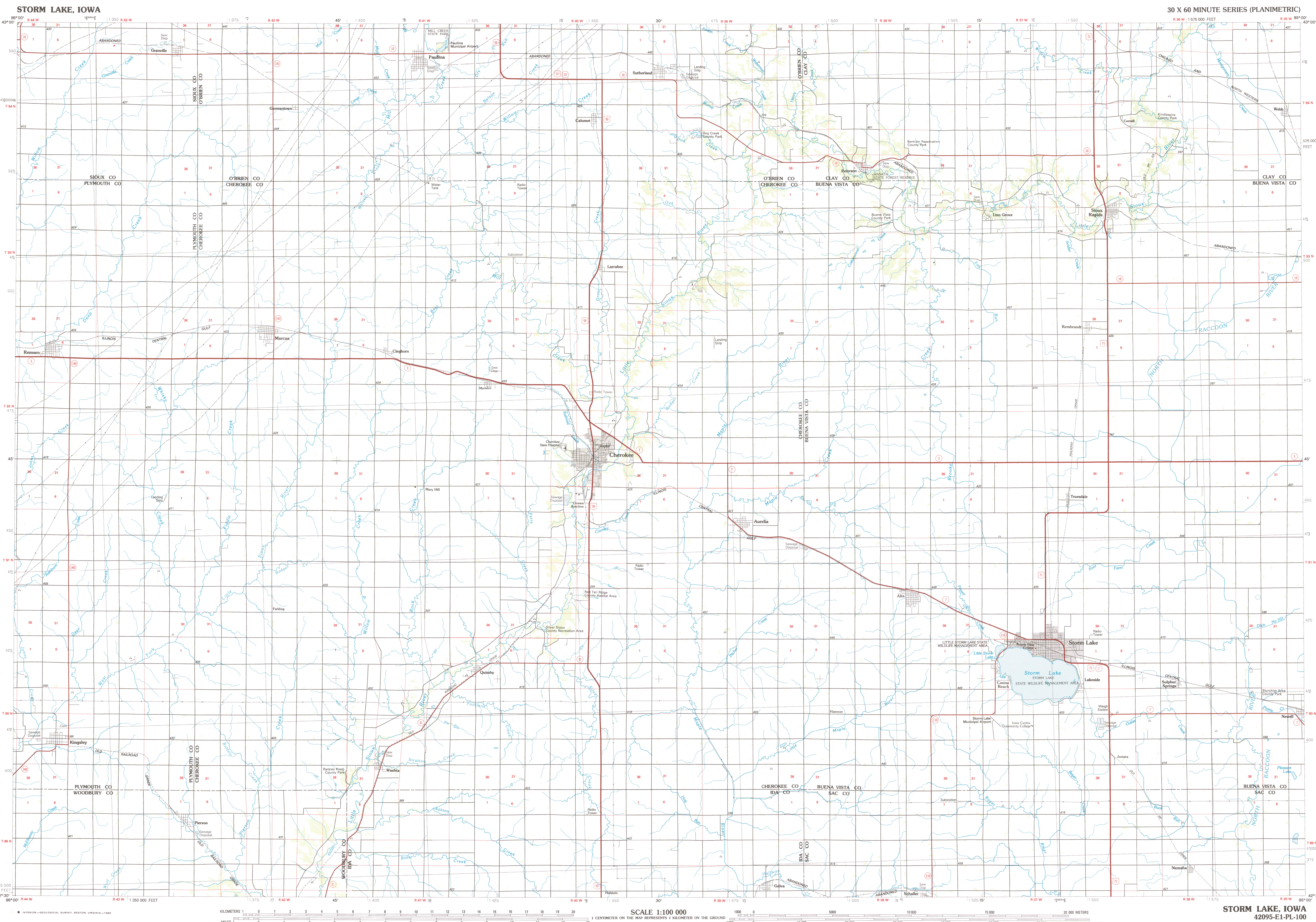




Storm Lake

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

1985

Produced by the United States Geological Survey
Compiled from USGS 1:24 000-scale topographic maps dated 1969-1979. 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 5 meters north and 23 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 COMPLIES WITH NATIONAL MAP ACCURACY STAND:

CONVERSION TABLE	
Meters	Feet
1	3.2808
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
To convert feet to meters multiply by 0.3048

DECLINATION DIAGRAM	
MAGNETIC DECLINATION	
UTM grid convergence (GM) and 1983 magnetic declination (MN) at center of map. Diagram is approximate.	

ADJOINING MAPS	
1	2
3	4
5	6
7	8

1 Rock Rapids
2 Iowa Great La
3 Eastonville
4 Sioux City No
5 Humboldt
6 Sioux City So
7 Ida Grove
8 Carroll

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO
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.....	—————
Route 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: retraced.....	—————
Power transmission line: pipeline.....	—————
Dam; dam with lock.....	—————
Cemetery, building.....	—————
Wellhead, water well, spring.....	—————
Mine shaft, adit or cave; mine, quarry, gravel pit.....	—————
Campground, picnic area; U.S. location monument.....	—————
Ruin; cliff dwelling.....	—————
Distorted surface: strip mine, lava, sand.....	—————
Contours: index, intermediate, supplementary.....	—————
Bathymetric contour: 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.....	—————

A pamphlet describing topographic maps is available on request.

UNITED STATES. Topo. 1:100,000.
Storm Lake, IA. 1985
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