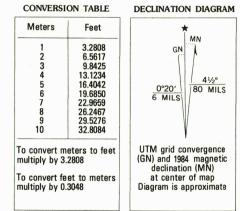


Des Moines IOWA 1:100 000-scale planimetric map 1 State 30 X 60 MINUTE QUADRANGLE SHOWING • Elevations in meters Highways, roads and other manmade structures • Water features • Woodland areas • Geographic names Produced by the United States Geological Survey Compiled from USGS 1:24 000-scale topographic maps dated 1965-1976. Planimetry revised from aerial photographs taken 1983 and other source data. Revised information not field checked. Map edited 1984 Projection and 10 000-meter grid, zone 15, Universal Transverse Mercator 25 000-foot grid ticks based on Iowa coordinate system, south and north zones 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 COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS CONVERSION TABLE DECLINATION DIAGRAM



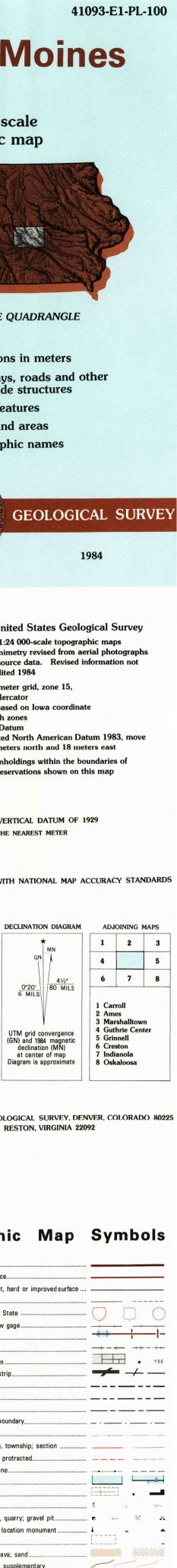
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092

Topographic Map Symbols

| Primary highway, hard surface |
|--|
| Secondary highway, hard surface |
| Light duty road, principal street, hard or improved surfac |
| 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: protracted |
| Power transmission line; pipeline |
| Dam; dam with lock |
| Cemetery; building |
| Windmill; water well; spring |
| Mine shaft; adit or cave; mine, quarry; gravel pit |
| Campground; picnic area; U.S. location monument |
| Ruins; cliff dwelling |
| Distorted 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 |
| |
| A pamphlet describing topographic maps is |

bing topograp

RETURN TO: USGS NMD HISTORICAL MAP ARCHIVES



available on request

XER'S E

037 B