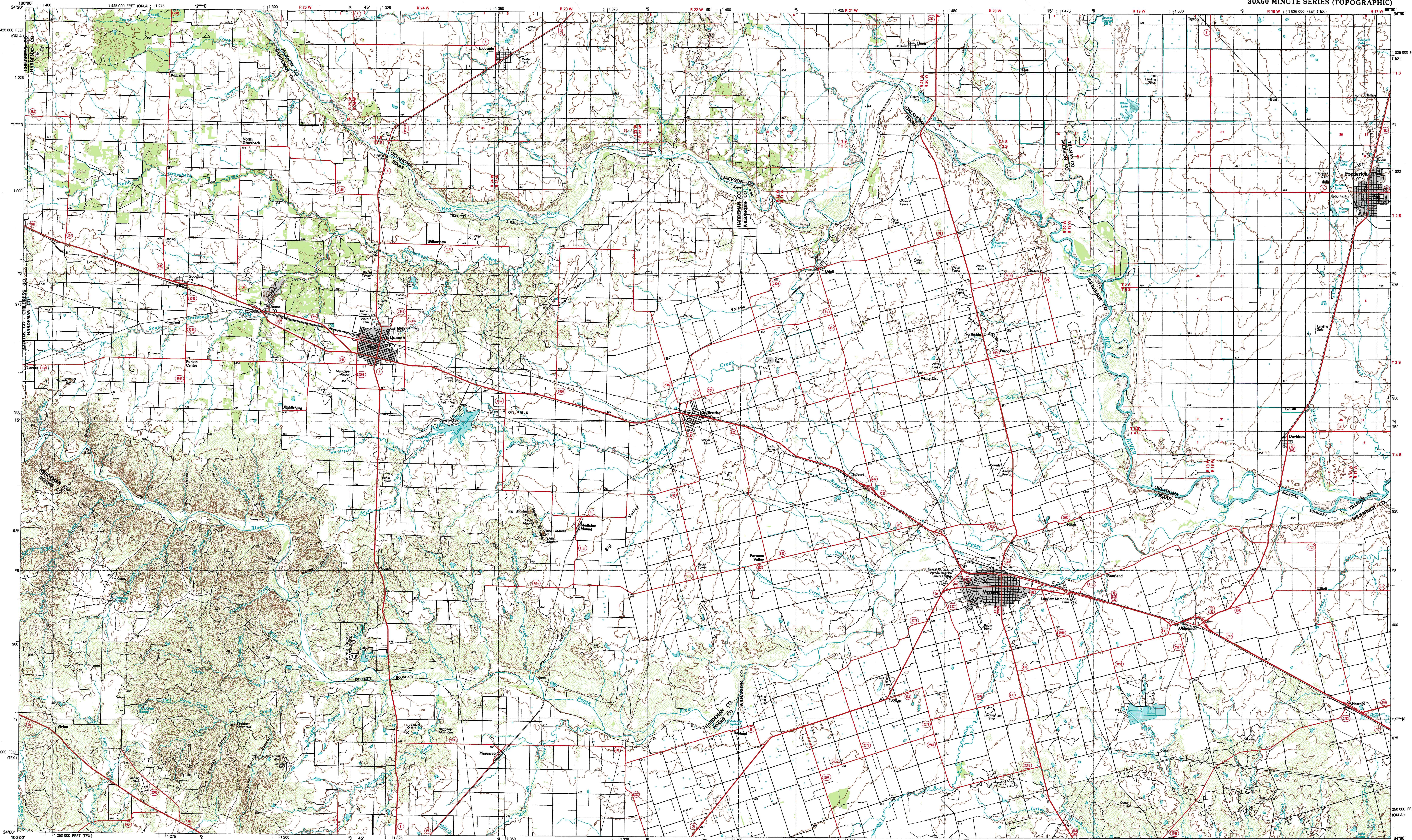


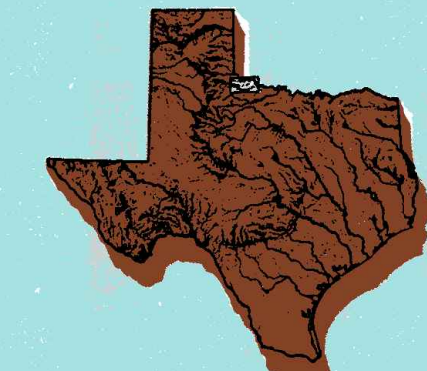
VERNON, TEXAS—OKLAHOMA

30X60 MINUTE SERIES (TOPOGRAPHIC)



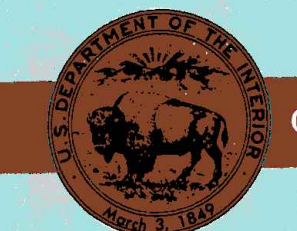
Vernon TEXAS—OKLAHOMA

1:100 000-scale metric topographic map



30 X 60 MINUTE QUADRANGLE SHOWING

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



GEOLOGICAL SURVEY

1986

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1983-1985. Planimetry revised from aerial photographs taken 1984 and other source data. Revised information not field checked.
 Map edited 1986.

Projection and 10 000-meter grid, zone 14 Universal Transverse Mercator
 25 000-foot grid ticks based on Texas coordinate system, north central zone and Oklahoma coordinate system, south zone. 1927 North American Datum
 To place on the predicted North American Datum 1983 move the projection lines 4 meters south and 34 meters east. There may be private inholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 10 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

| CONVERSION TABLE | | DECLINATION DIAGRAM | | ADJOINING MAPS | | |
|------------------|---------|---------------------|----------|----------------|---|---|
| Meters | Feet | True | Magnetic | 1 | 2 | 3 |
| 1 | 3.2808 | 91° 15' | 91° 00' | 1 | 2 | 3 |
| 2 | 6.5617 | 91° 30' | 90° 45' | 4 | 5 | 6 |
| 3 | 9.8425 | 91° 45' | 90° 30' | 7 | 8 | |
| 4 | 13.1234 | 92° 00' | 90° 15' | | | |
| 5 | 16.4042 | 92° 15' | 90° 00' | | | |
| 6 | 19.6850 | 92° 30' | 89° 45' | | | |
| 7 | 22.9659 | 92° 45' | 89° 30' | | | |
| 8 | 26.2467 | 93° 00' | 89° 15' | | | |
| 9 | 29.5275 | 93° 15' | 89° 00' | | | |
| 10 | 32.8084 | 93° 30' | 88° 45' | | | |

To convert meters to feet multiply by 3.2808
 To convert feet to meters multiply by 0.3048

UTM grid measurements (GN) and 1983 magnetic declination (M) at center of map. Diagram is approximate.

| | |
|---|---------------|
| 1 | Walla Walla |
| 2 | Alsea |
| 3 | Lawton |
| 4 | Chickasha |
| 5 | Sharktooth |
| 6 | Richardson |
| 7 | Lake Kemp |
| 8 | Wichita Falls |

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, gravel, dirt, 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: protected
- Power transmission line, pipeline
- Dam; dam with lock
- Cemetery: building
- Wellhead; water well; spring
- Mine shaft; adit or cave; mine, quarry, gravel pit
- Commemorative monument; U. S. location monument
- Pole; oil derrick
- Disrupted surface: strip mine, lava; sand
- Contours: index, intermediate, supplementary
- Bathymetric contours: index, intermediate
- Stream: lake, reservoir; intermittent
- Rapids, large and small; falls, large and small
- Area to be submerged; marsh, swamp
- Land subject to controlled inundation; woodland
- Soak; mangrove
- Drain; viewpoint

SCALE 1:100 000
 1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND
 CONTOUR INTERVAL 10 METERS

VERNON, TEXAS—OKLAHOMA
 34099-A1-TM-100