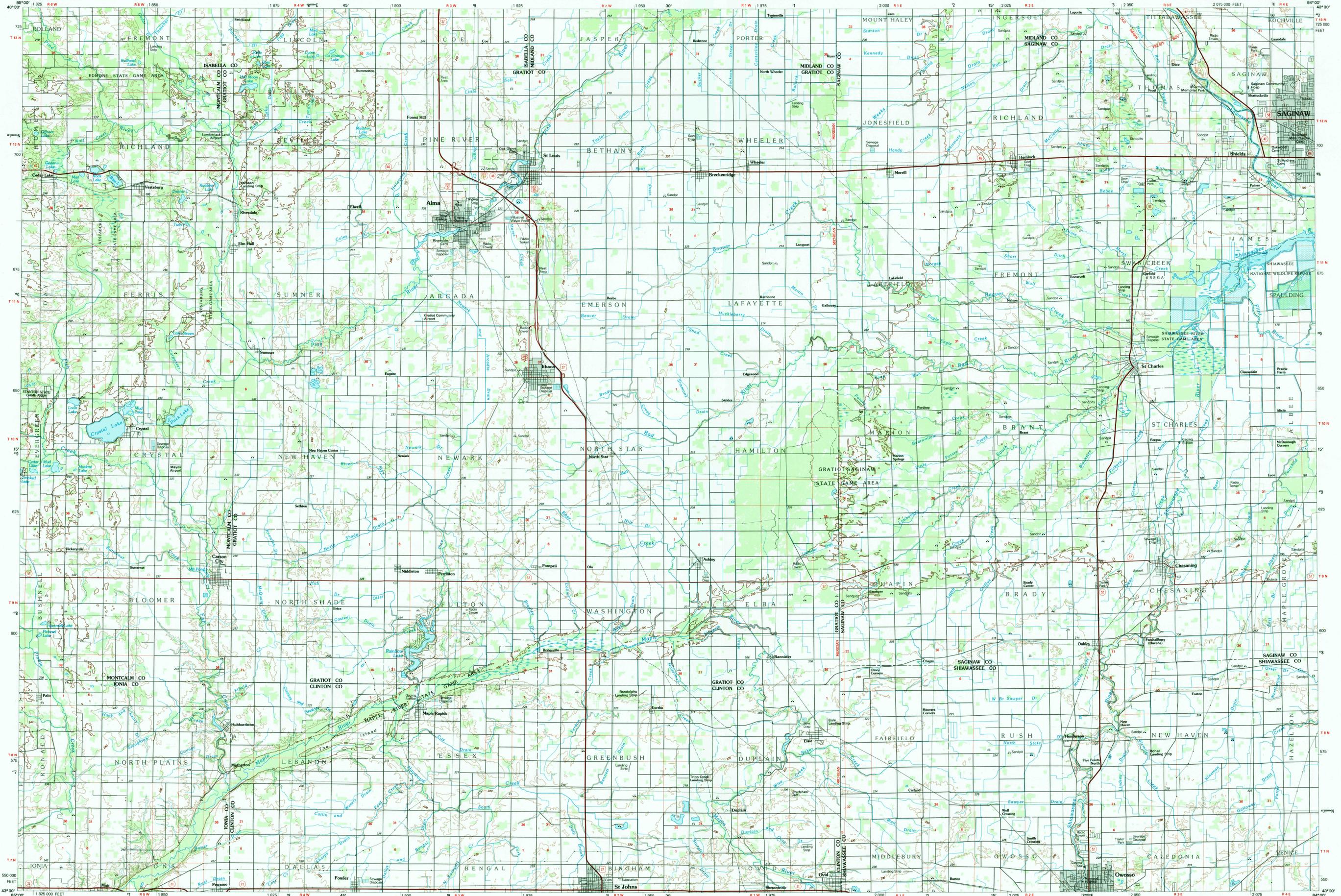


ALMA, MICHIGAN

30 X 60 MINUTE SERIES (TOPOGRAPHIC)



Alma MICHIGAN

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

1985
PHOTOINSPECTED 1988

Produced by the United States Geological Survey
 Compiled from USGS 1:24 000-scale topographic maps dated 1965-1975. Planimetry revised from aerial photographs taken 1981 and other source data. Revised information not field checked. Map edited 1985
 Projection and 10 000-meter grid, zone 16, Universal Transverse Mercator
 25 000-foot grid ticks based on Michigan coordinate system, south zone
 1927 North American Datum
 To place on the predicted North American Datum 1983, move the projection lines 1 meter north and 2 meters west.
 There may be private inholdings within the boundaries of the National or State reservations shown on this map.

Map photoinspected using 1966 and 1968 photographs
 No major culture or drainage changes found
 CONTOUR INTERVAL 10 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS

Meters	Feet
1	3.2808
2	6.5617
3	9.8425
4	13.1232
5	16.4040
6	19.6848
7	22.9656
8	26.2464
9	29.5272
10	32.8080

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

ADJOINING MAPS	1	2	3
	4	5	6
	7	8	

1 Big Rapids
 2 Midland
 3 Bay City
 4 Cedar Springs
 5 Flint
 6 Grand Rapids
 7 Lansing
 8 Pontiac

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	—
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 boundaries	—
U.S. public lands: river; range; township; section	—
Range, township; section line: projected	—
Power transmission line; protracted	—
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; old dwelling	—
Distorted surface: strip mine, leek, sand	—
Contours: index; intermediate; supplementary	—
Bathymetric contours: index; intermediate	—
Stream, lake; perennial; intermittent	—
Shoals, bars and sand; bays, bays and small	—
Area to be submerged; marsh, swamp	—
Land subject to controlled inundation; woodland	—
Scrub; mangrove	—
Orchard; vineyard	—

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

ALMA, MICHIGAN
 43084-A1-TM-100
 1985
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A pamphlet describing topographic maps is available on request
 JUL 30 1991
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