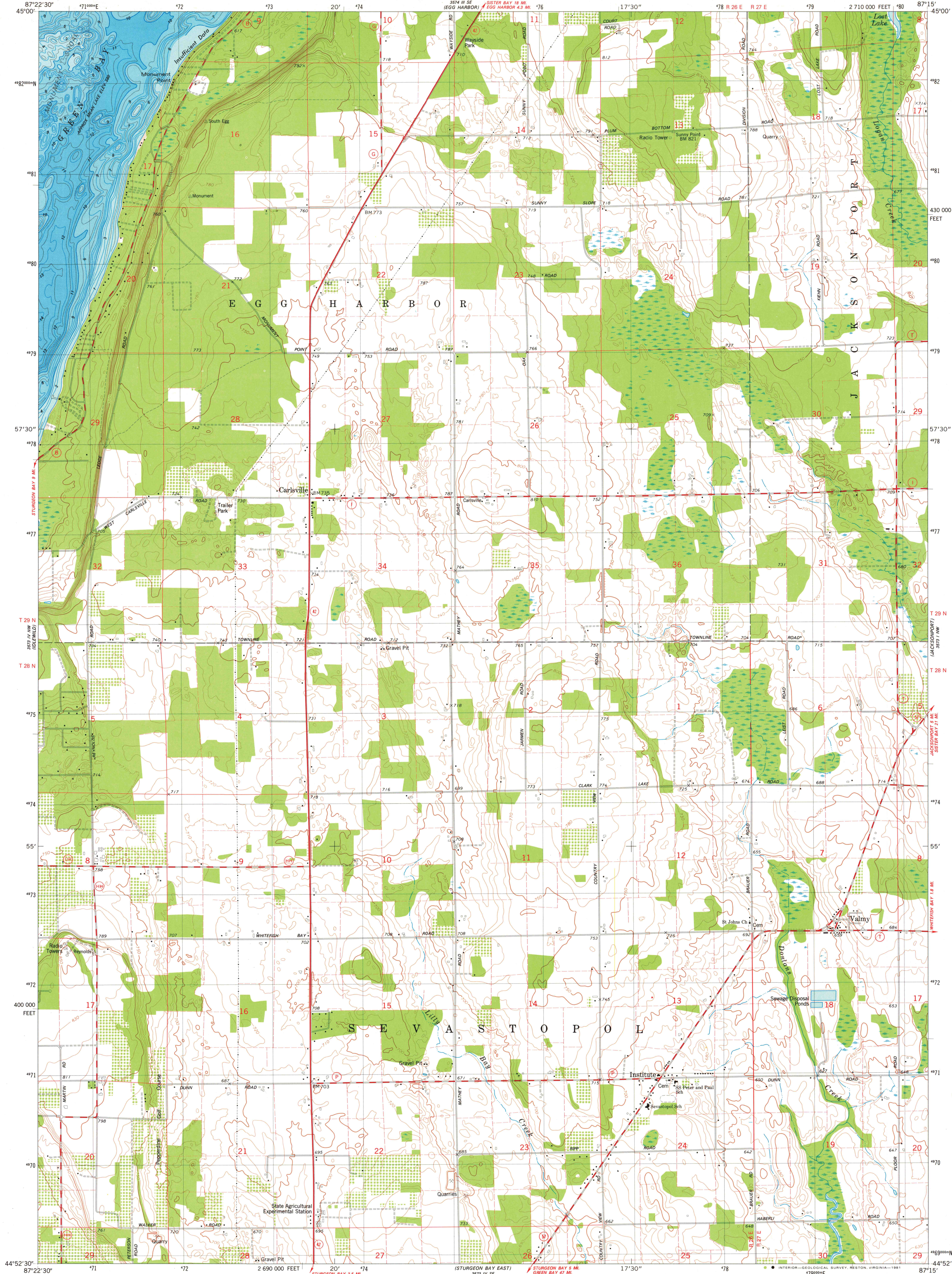


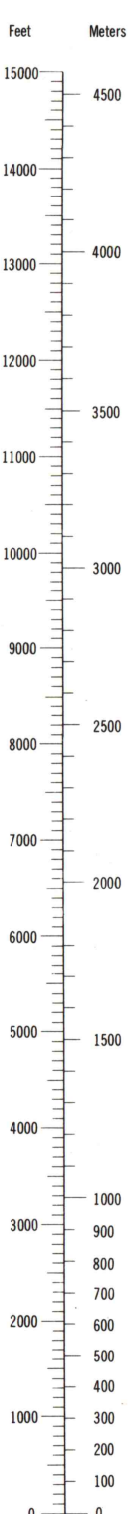
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF WISCONSIN
DIVISION OF HIGHWAYS
GEOLOGICAL AND NATURAL HISTORY SURVEY

INSTITUTE QUADRANGLE
WISCONSIN-DOOR CO.
7.5 MINUTE SERIES (TOPOGRAPHIC-BATHYMETRIC)



CONVERSION
SCALES

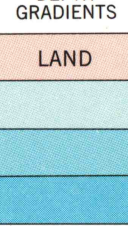


Feet	Meters
1	0.3048
2	0.6096
3	0.9144
4	1.2192
5	1.5240
6	1.8288
7	2.1336
8	2.4384
9	2.7432
10	3.0480

To convert feet to meters
multiply by 0.3048

To convert meters to feet
multiply by 3.2808

DEPTH
GRADIENTS



Maximum depth

RETURN TO:
USGS AND HISTORICAL MAP ARCHIVES

OCT 20 1981

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Mapped, edited, and published by the Geological Survey and the National Ocean Survey in cooperation with the Wisconsin Division of Highways and Wisconsin Geological and Natural History Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1954-55. Revised from aerial photographs taken 1978. Field checked 1980. Map edited 1981

Bathymetry compiled by the National Ocean Survey from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes

Projection and 10,000-foot grid ticks: Wisconsin coordinate system, central zone (Lambert conformal conic)

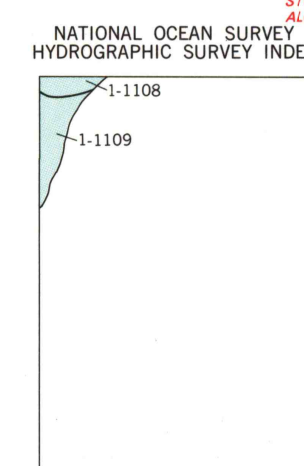
1000-meter Universal Transverse Mercator grid, zone 16

1927 North American Datum

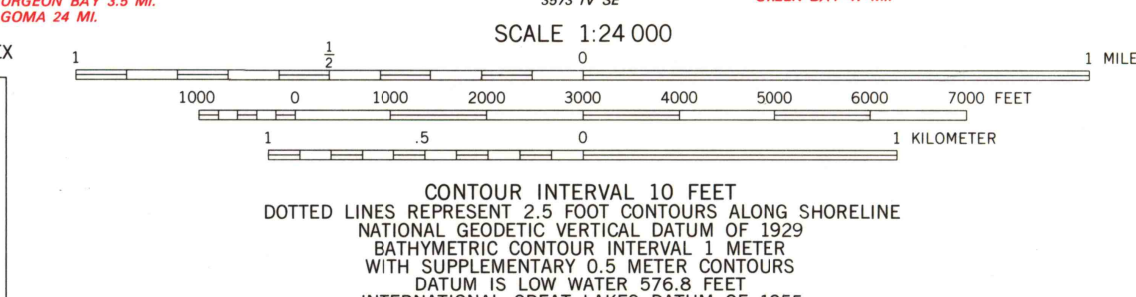
To place on the predicted North American Datum 1983 move the projection lines 4 meters north and 5 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs

This information is unchecked



Survey Number	Survey Date	Survey Scale	Survey Line Spacing (Naut. Miles)
1-1108	1905	1:10,000	0.3-1.2
1-1109	1906	1:10,000	0.2-1.2



SCALE 1:24,000

CONTOUR INTERVAL 10 FEET

DOTTED LINES REPRESENT 2.5 FOOT CONTOURS ALONG SHORELINE

NATIONAL GEODETIC VERTICAL DATUM OF 1929

BATHYMETRIC CONTOUR INTERVAL 1 METER

WITH SUPPLEMENTARY 0.5 METER CONTOURS

DATUM IS LOW WATER 576.8 FEET

INTERNATIONAL GREAT LAKES DATUM OF 1955

ROAD CLASSIFICATION

Primary highway, hard surface

Secondary highway, hard surface

Unimproved road

Interstate Route

U. S. Route

State Route

INSTITUTE, WIS.

NE 1/4 STURGEON BAY 15' QUADRANGLE

N4452.5-W8715.7.5

1981

DMA 3573 IV NE-SERIES V861

BASE MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

BATHYMETRIC SURVEY DATA COMPLIES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS

AND/OR STANDARDS USED AT THE DATE OF THE SURVEY

FOR SALE BY THE U.S. GEOLOGICAL SURVEY RESTON VIRGINIA 22092

NATIONAL OCEAN SURVEY, ROCKVILLE, MARYLAND 20852

AND WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY

MADISON, WISCONSIN 53706

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET