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WAR DEPARTMENT

CORPS OF ENGINEERS

SURVEY OF THE NORTHERN AND NORTHWESTERN LAKES

MILWAUKEE

WISCONSIN

1939

POLYCONIC PROJECTION

SCALE 1:10,000

DEPTHS IN FEET

NOTES

COMPARATIVE ELEVATIONS OF WATER LEVELS ON LAKE MICHIGAN
(referred to Mean Tide at New York; adjusted levels of 1935)

Mean stage 1900 - 1938, both inclusive ..... 579.7 ft.
PLANE OF REFERENCE OF THIS CHART (Low Water Datum) ..... 578.5 ft.

BLUE TINT. Areas with depths to 21 feet, except in channels maintained by the United States, are tinted blue.

SAILING DIRECTIONS. Bearings of sailing courses are true and distances given thereon are in statute miles between points of departure shown on coast and general charts.

VISIBILITY OF LIGHTS. The visibility of lights is in statute miles when observer's eye is 15 feet above water level.

ABBREVIATIONS. Alt - alternating; B - black, blds - bowlders, BKW - breakwater; C - can, CGS - coast guard station; DFS - distance finding station; F - fixed, Fl - flashing, (FB) - fog bell, (F D) - fog diaphone, (F H) - fog horn, (F O) - fog oscillator, (FS) - fog siren, (F T) - fog tyfon, (Fog W) - fog whistle; G - green, Gp - group; H S - horizontal stripes; I - interrupted; m - miles; N - nun; Occ - occulting; P D - position doubtful; Qk - quick; RBn - radiobeacon, RGE - range, R - red, rky - rocky; S - spar, Sec - sector, S-L - short-long, Sto Sig - storm signal station; V S - vertical stripes, vis - visible; W - white.

BULLETIN. For latest information as to controlling depths in improved harbors consult latest edition of the Bulletin and Supplements thereto, containing descriptions of coasts, harbors, channels, dry docks, canals, etc., and rules and regulations. Copies may be obtained from the U.S. Lake Survey Office.

STATUTE MILE
SCALE OF FEET
SCALE OF METERS

L A K E

M I C H I G A N

TRUE COMPASS
MAGNETIC COMPASS
MAGNETIC VARIATION 1° 00' E 1940

Blow Lt (F B RBn DFS Radiophone Occ R vis 16 m

Pierh Lt (F B FR vis 14 m

South Pierh Lt FR vis 8 m

Blow Entrance South Side Lt Occ G vis 10 m

South Entrance Lt FR vis 8 m

South Shore Park Blow Lt Y G vis 10 m

89° (E & N) 3 Miles to Point of Departure

MILWAUKEE POINT OF DEPARTURE

To:			
Twin River Point Light	15°	(N by E ¾ E)	84 miles
Point Betsie Light	32°	(NNE ½ E)	135 miles
Ludington	47°	(NE ½ E)	93 miles
Muskegon	80°	(E ¼ N)	76 miles
Grand Haven	89°	(E ¼ N)	78 miles
South Haven	119°	(SE by E ⅞ E)	89 miles
St Joseph	133°	(SE ½ E)	92 miles
Wind Point Light	160°	(S by E ¾ E)	18 miles

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