

U.S. Department of  
Homeland Security

United States  
Coast Guard



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# LIGHT LIST

Volume VII

## GREAT LAKES

Great Lakes and the St. Lawrence River  
above the St. Regis River

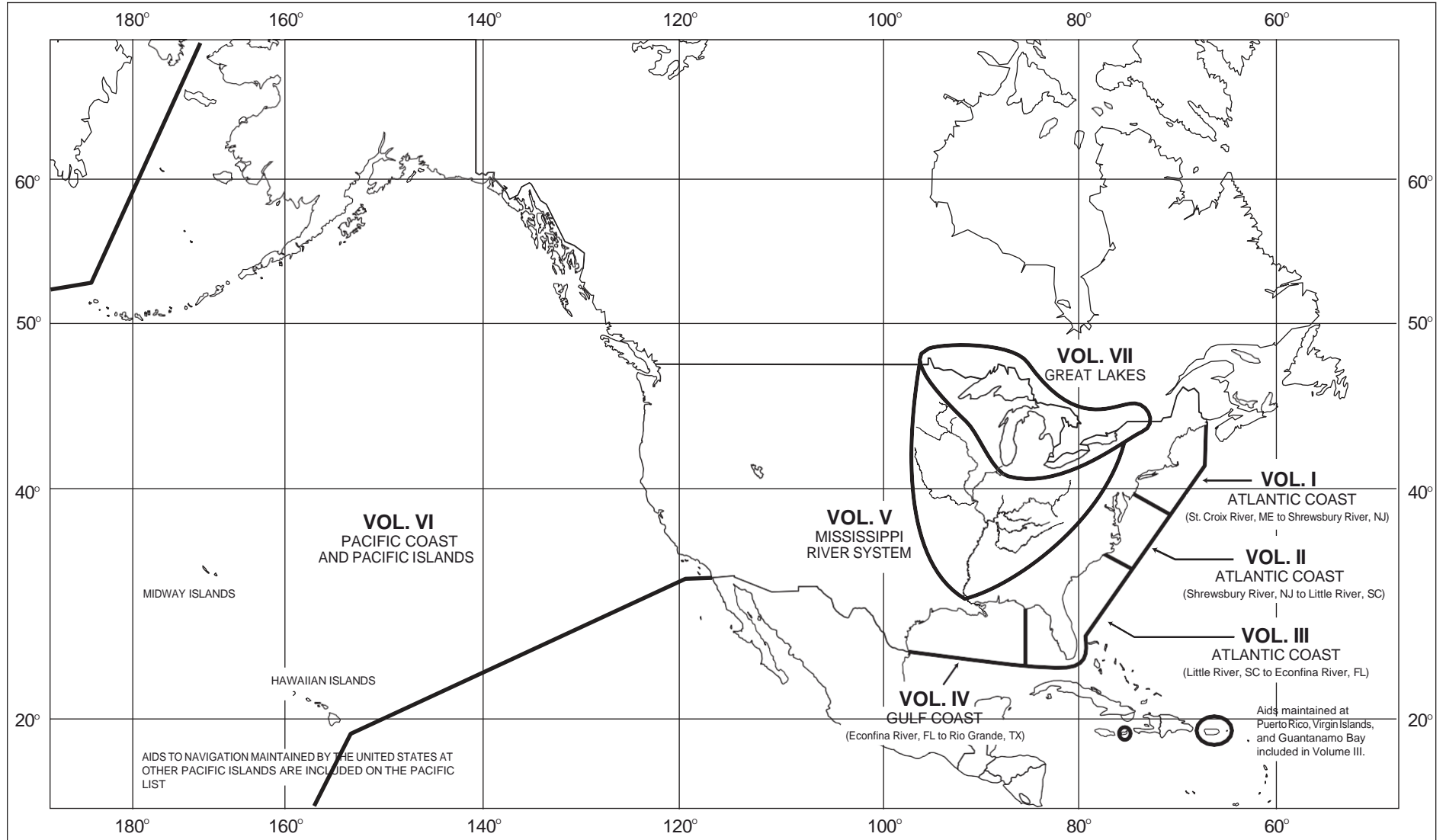
This publication contains a list of lights, sound signals, buoys,  
daybeacons, and other aids to navigation.

**IMPORTANT**  
**THIS PUBLICATION SHOULD BE CORRECTED EACH WEEK**  
**FROM THE LOCAL NOTICES TO MARINERS OR NOTICES**  
**TO MARINERS AS APPROPRIATE.**

2023

COMDTPUB P16502.7

LIMITS OF LIGHT LISTS PUBLISHED BY  
**U.S. COAST GUARD**





# U.S. AIDS TO NAVIGATION SYSTEM

## on navigable waters except Western Rivers

### LATERAL SYSTEM AS SEEN ENTERING FROM SEAWARD

<p><b>PORT SIDE ODD NUMBERED AIDS</b></p> <p>GREEN LIGHT ONLY          FLASHING (2)          FLASHING          OCCULTING          QUICK FLASHING          ISO</p> <p>LIGHT LIGHTED BUOY CAN DAYBEACON</p>	<p><b>PREFERRED CHANNEL NO NUMBERS - MAY BE LETTERED</b></p> <p>PREFERRED CHANNEL TO STARBOARD          TOPMOST BAND GREEN</p> <p>GREEN LIGHT ONLY</p> <p>COMPOSITE GROUP FLASHING (2+1)</p> <p>LIGHTED BUOY CAN CAN</p>	<p><b>PREFERRED CHANNEL NO NUMBERS - MAY BE LETTERED</b></p> <p>PREFERRED CHANNEL TO PORT          TOPMOST BAND RED</p> <p>RED LIGHT ONLY</p> <p>COMPOSITE GROUP FLASHING (2+1)</p> <p>LIGHTED BUOY NUN NUN</p>	<p><b>STARBOARD SIDE EVEN NUMBERED AIDS</b></p> <p>RED LIGHT ONLY          FLASHING (2)          FLASHING          OCCULTING          QUICK FLASHING          ISO</p> <p>LIGHT LIGHTED BUOY NUN DAYBEACON</p>
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### AIDS TO NAVIGATION HAVING NO LATERAL SIGNIFICANCE

<p><b>ISOLATED DANGER NO NUMBERS - MAY BE LETTERED</b></p> <p>WHITE LIGHT ONLY</p> <p>FI (2) 5s</p> <p>LIGHTED UNLIGHTED</p>	<p><b>SAFE WATER NO NUMBERS - MAY BE LETTERED</b></p> <p>WHITE LIGHT ONLY MORSE CODE</p> <p>Mo (A)</p> <p>LIGHTED AND/OR SOUND MR SPHERICAL UNLIGHTED AND/OR SOUND</p>
<p><b>DAYBOARDS - MAY BE LETTERED</b></p> <p>WHITE LIGHT ONLY</p> <p>NR NG NB</p> <p>RW Bn GW Bn BW Bn</p>	<p><b>RANGE DAYBOARDS MAY BE LETTERED</b></p> <p>KGW KWG KWB KBW KWR KRW KRB KBR KGB KBG KGR KRG</p> <p><b>SPECIAL MARKS - MAY BE LETTERED</b></p> <p>YELLOW LIGHT ONLY          FIXED FLASHING</p> <p>UNLIGHTED LIGHTED</p> <p>SHAPE OPTIONAL - BUT SELECTED TO BE APPROPRIATE FOR THE POSITION OF THE MARK IN RELATION TO THE NAVIGABLE WATERWAY AND THE DIRECTION OF BUOYAGE.</p>

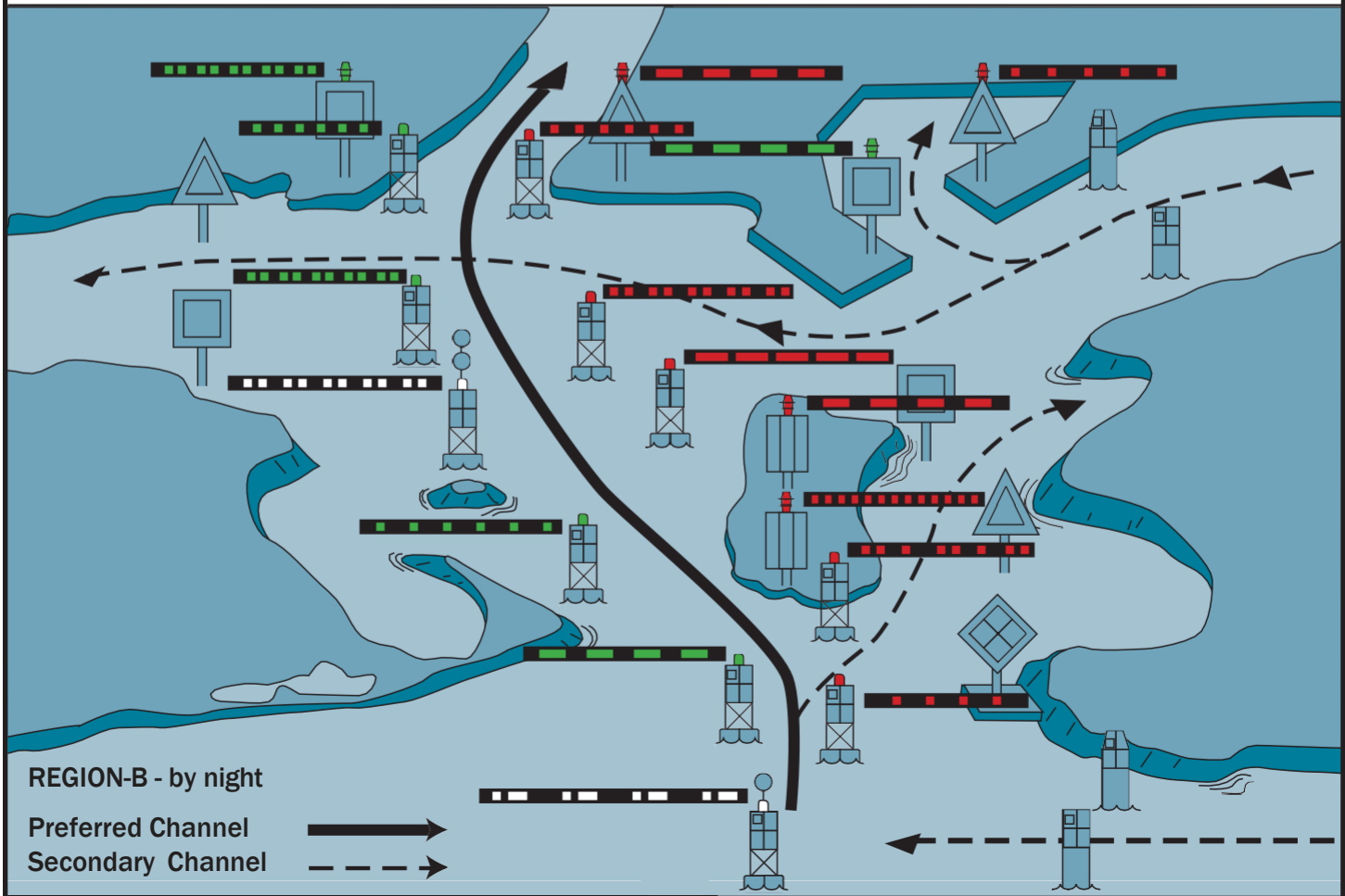
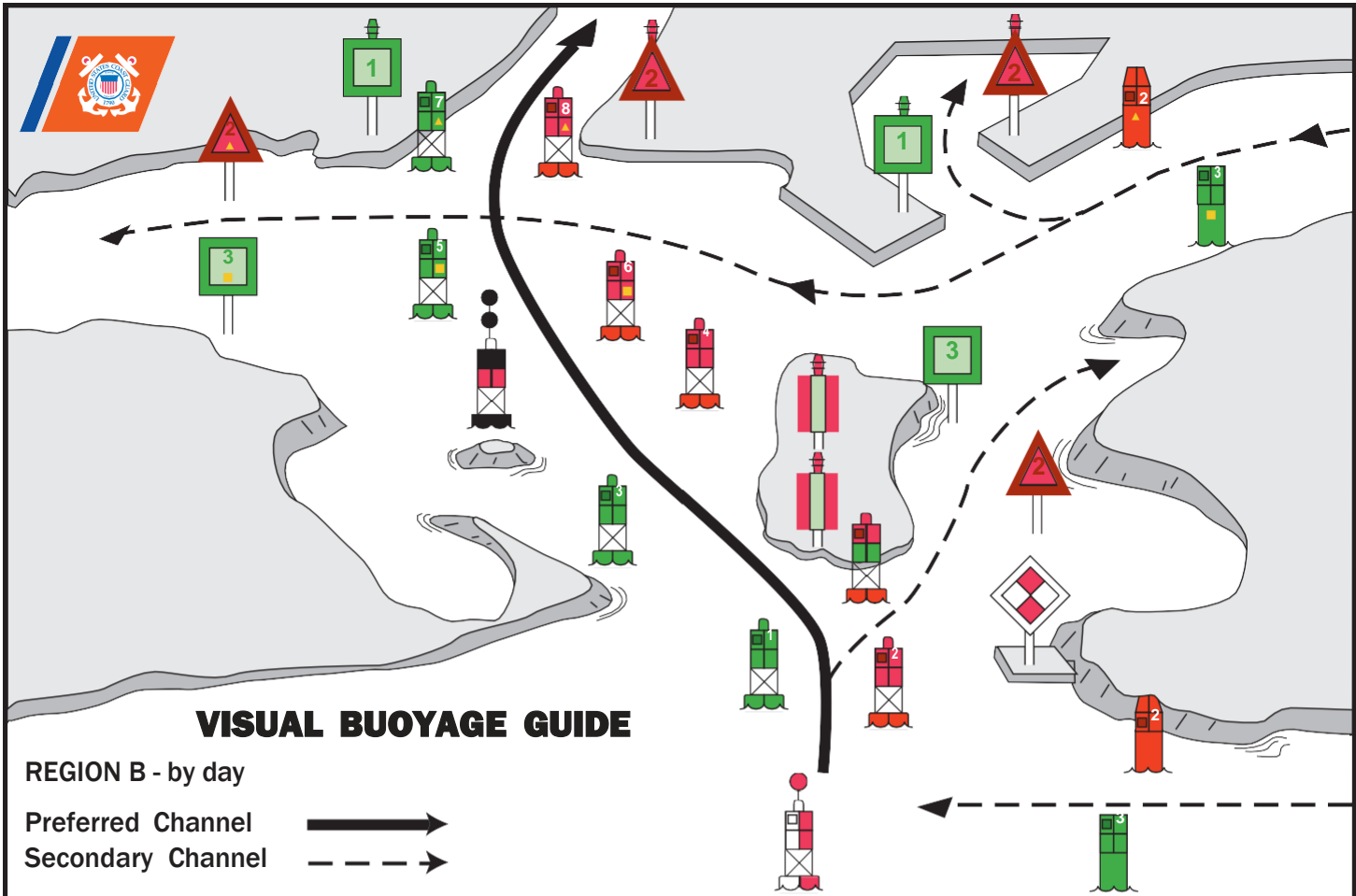
Aids to Navigation marking the Intracoastal Waterway (ICW) display unique yellow symbols to distinguish them from aids marking other waters. Yellow triangles indicate aids should be passed by keeping them on the starboard (right) hand of the vessel. Yellow squares indicate aids should be passed by keeping them on the port (left) hand of the vessel. A yellow horizontal band provides no lateral information, but simply identifies aids as marking the ICW.

**TYPICAL INFORMATION AND REGULATORY MARKS**

INFORMATION AND REGULATORY MARKERS  
 WHEN LIGHTED, INFORMATION AND REGULATORY MARKS MAY DISPLAY ANY WHITE LIGHT RHYTHM EXCEPT QUICK FLASHING, Mo(A), AND FLASHING (2)

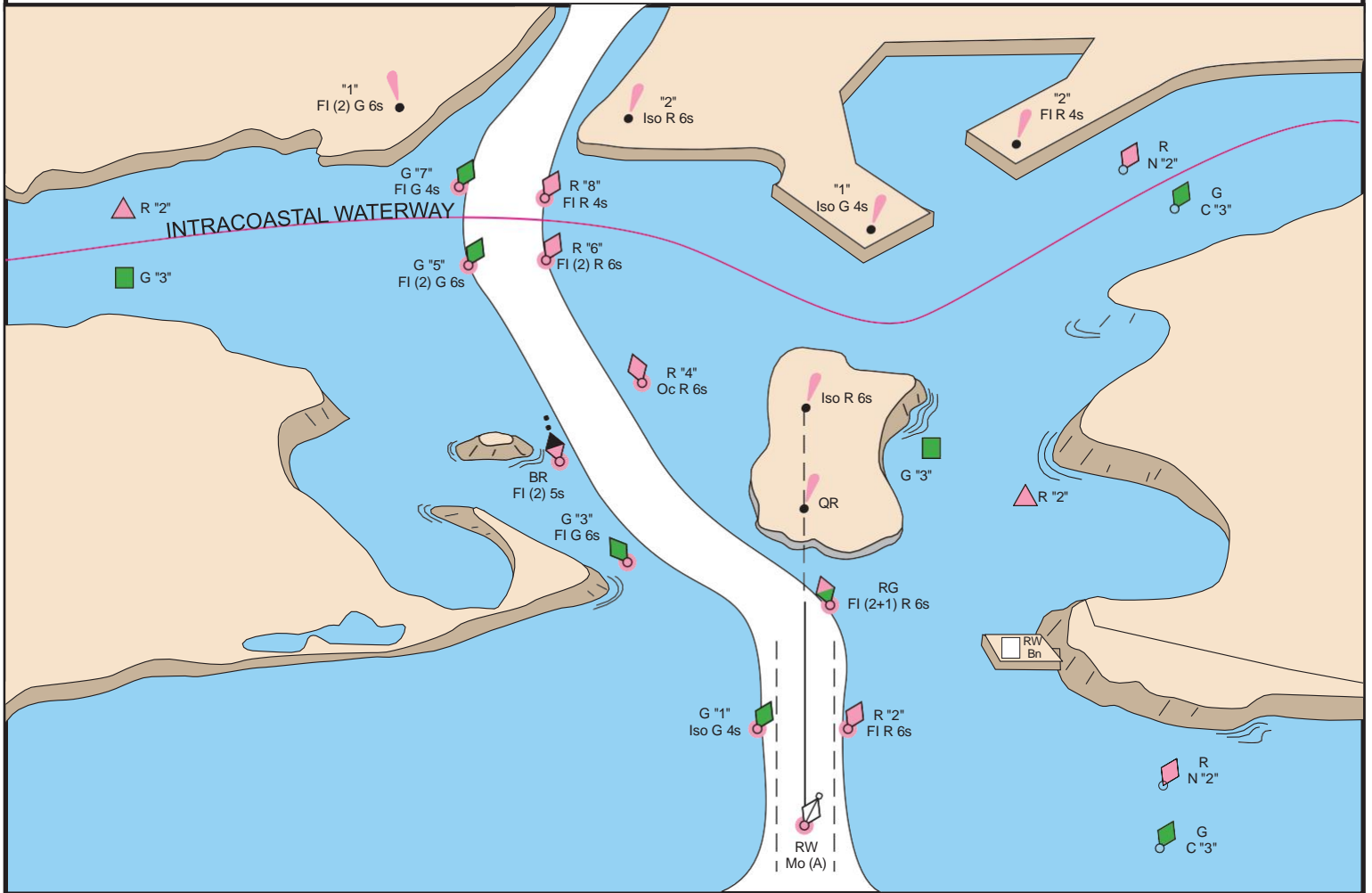
<p>MOORING BUOY WHITE WITH BLUE BAND MAY SHOW WHITE REFLECTOR OR LIGHT</p>	<p>BOAT EXCLUSION AREA SWIM AREA</p>	<p>ROCK DANGER</p>	<p>CONTROLLED AREA SLOW NO WAKE</p>
<p>INFORMATION MULLET LAKE BLACK RIVER</p> <p>FOR DISPLAYING INFORMATION SUCH AS DIRECTIONS, DISTANCES, LOCATIONS, ETC.</p>	<p>BUOY USED TO DISPLAY REGULATORY MARKERS</p>	<p>MAY SHOW WHITE LIGHT MAY BE LETTERED 5 MPH</p>	<p>DANGER</p>

PLATE 1





# FICTITIOUS NAUTICAL CHART





# U.S. AIDSTO NAVIGATION SYSTEM

## on the Western River System



### AS SEEN ENTERING FROM SEAWARD

<p><b>PORT SIDE</b> OR RIGHT DESCENDING BANK</p> <p>GREEN OR WHITE LIGHTS</p> <p>FLASHING ISO</p> <p>LIGHT LIGHTED BUOY CAN</p> <p>SG CNG</p> <p>PASSING DAYBEACON CROSSING DAYBEACON</p> <p>176.9 MILE BOARD</p>	<p><b>PREFERRED CHANNEL</b> MARK JUNCTIONS AND OBSTRUCTIONS COMPOSITE GROUP FLASHING (2+1)</p> <p>PREFERRED CHANNEL TO STARBOARD TOPMOST BAND GREEN FI (2+1) G</p> <p>PREFERRED CHANNEL TO PORT TOPMOST BAND RED FI (2+1) R</p> <p>JG JR</p> <p><b>DAYBOARDS HAVING NO LATERAL SIGNIFICANCE</b></p> <p>MAY BE LETTERED</p> <p>WHITE LIGHT ONLY</p> <p>NB</p>	<p><b>STARBOARD SIDE</b> OR LEFT DESCENDING BANK</p> <p>RED OR WHITE LIGHTS</p> <p>FLASHING (2) ISO</p> <p>LIGHT LIGHTED BUOY NUN</p> <p>TR CNR</p> <p>PASSING DAYBEACON CROSSING DAYBEACON</p> <p>123.5 MILE BOARD</p>
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**SPECIAL MARKS--MAY BE LETTERED**

UNLIGHTED LIGHTED

NY

SHAPE: OPTIONAL--BUT SELECTED TO BE APPROPRIATE FOR THE POSITION OF THE MARK IN RELATION TO THE NAVIGABLE WATERWAY AND THE DIRECTION OF BUOYAGE.

YELLOW LIGHT ONLY

FIXED FLASHING

MOORING BUOY  
WHITE WITH BLUE BAND  
MAY SHOW WHITE REFLECTOR OR LIGHT

**TYPICAL INFORMATION AND REGULATORY MARKS**

INFORMATION AND REGULATORY MARKERS

WHEN LIGHTED, INFORMATION AND REGULATORY MARKS MAY DISPLAY ANY LIGHT RHYTHM EXCEPT QUICK FLASHING, Mo(a) AND FLASHING (2)

NW WHITE LIGHT ONLY

BOAT EXCLUSION AREA

DANGER

CONTROLLED AREA

SWIM AREA

ROCK

SLOW NO WAKE

EXPLANATION MAY BE PLACED OUTSIDE THE CROSSED DIAMOND SHAPE, SUCH AS DAM, RAPIDS, SWIM AREA, ETC.

THE NATURE OF DANGER MAY BE INDICATED INSIDE THE DIAMOND SHAPE, SUCH AS ROCK, WRECK, SHOAL, DAM, ETC.

TYPE OF CONTROL IS INDICATED IN THE CIRCLE, SUCH AS SLOW, NO WAKE, ANCHORING, ETC.

MULLET LAKE  
BLAC K R IVER

INFORMATION

BUOY USED TO DISPLAY REGULATORY MARKERS

MAY SHOW WHITE LIGHT  
MAY BE LETTERED

**STATE WATERS**

INLAND (STATE) WATER SYSTEM OBSTRUCTION MARK

MAY SHOW WHITE REFLECTOR OR QUICK FLASHING WHITE LIGHT

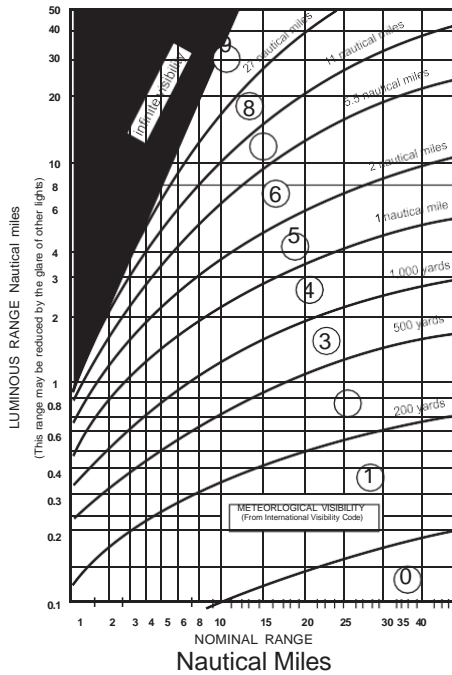
BLACK-STRIPED WHITE BUOY

Used to indicate an obstruction to navigation, extends from the nearest shore to the buoy. This means "do not pass between the buoy and the nearest shore." This aid is replacing the red and white striped buoy within the USWMS, but cannot be used until all red and white striped buoys on a waterway have been replaced.

# LUMINOUS RANGE DIAGRAM

The nominal range given in this Light List is the maximum distance a given light can be seen when the meteorological visibility is 10 nautical miles. If the existing visibility is less than 10 NM, the range at which the light can be seen will be reduced below its nominal range. And, if the visibility is greater than 10 NM, the light can be seen at greater distances. The distance at which a light may be expected to be seen in the prevailing visibility is called its luminous range.

This diagram enables the mariner to determine the approximate luminous range of a light when the nominal range and the prevailing meteorological visibility are known. The diagram is entered from the bottom border using the nominal range listed in column 6 of this book. The intersection of the nominal range with the appropriate visibility curve (or, more often, a point between two curves) yields, by moving horizontally to the left border, the luminous range



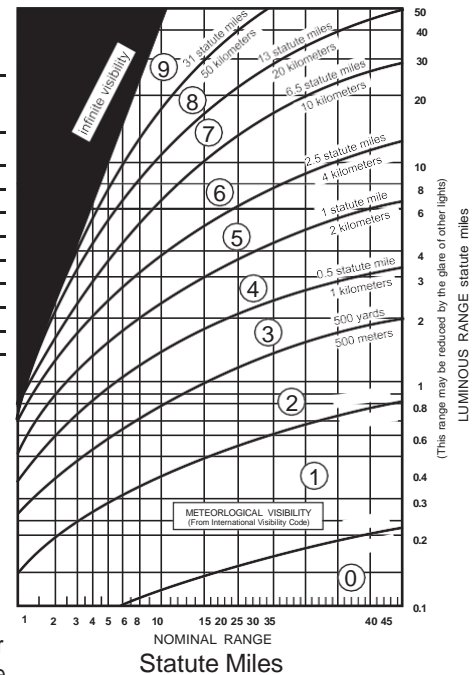
## METEOROLOGICAL VISIBILITY (From International Visibility Code)

Code	Metric	Nautical (approximate)
0	less than 50 meters	less than 50 yards
1	50-200 meters	50-200 yards
2	200-500 meters	200-500 yards
3	500-1,000 meters	500-1,000 yards
4	1-2 kilometers	1,000-2,000 yards
5	2-4 kilometers	1-2 nautical miles
6	4-10 kilometers	2-5.5 nautical miles
7	10-20 kilometers	5.5-11 nautical miles
8	20-50 kilometers	11-27 nautical miles
9	greater than 50 km	greater than 27 nm

### CAUTION

When using this diagram it must be remembered that:

1. The ranges obtained are approximate.
2. The transparency of the atmosphere may vary between observer and light.
3. Glare from background lighting will reduce the range that lights are sighted.
4. The rolling motion of a vessel and/or of a lighted aid may reduce the distance that lights can be detected or identified.



# GEOGRAPHIC RANGE TABLE

The following table gives the approximate geographic range of visibility for an object which may be seen by an observer at sea level. It is necessary to add to the distance for the height of any object the distance corresponding to the height of the observer's eye above sea level.

Height Feet/Meters	Distance Nautical Miles(NM)	Height Feet/Meters	Distance Nautical Miles(NM)	Height Feet/Meters	Distance Nautical Miles (NM)
5/1.5	2.6	70/21.3	9.8	250/76.2	18.5
10/3.1	3.7	75/22.9	10.1	300/91.4	20.3
15/4.6	4.5	80/24.4	10.5	350/106.7	21.9
20/6.1	5.2	85/25.9	10.8	400/121.9	23.4
25/7.6	5.9	90/27.4	11.1	450/137.2	24.8
30/9.1	6.4	95/29.0	11.4	500/152.4	26.2
35/10.7	6.9	100/30.5	11.7	550/167.6	27.4
40/12.2	7.4	110/33.5	12.3	600/182.9	28.7
45/13.7	7.8	120/36.6	12.8	650/198.1	29.8
50/15.2	8.3	130/39.6	13.3	700/213.4	31.0
55/16.8	8.7	140/42.7	13.8	800/243.8	33.1
60/18.3	9.1	150/45.7	14.3	900/274.3	35.1
65/19.8	9.4	200/61.0	16.5	1000/304.8	37.0

Example: Determine the geographic visibility of an object, with a height above water of 65 feet, for an observer with a height of eye of 35 feet.

Enter above table;  
 Height of object 65 feet= 9.4 NM  
 Height of observer 35 feet= 6.9 NM  
 Computed geographic visibility= 16.3 NM

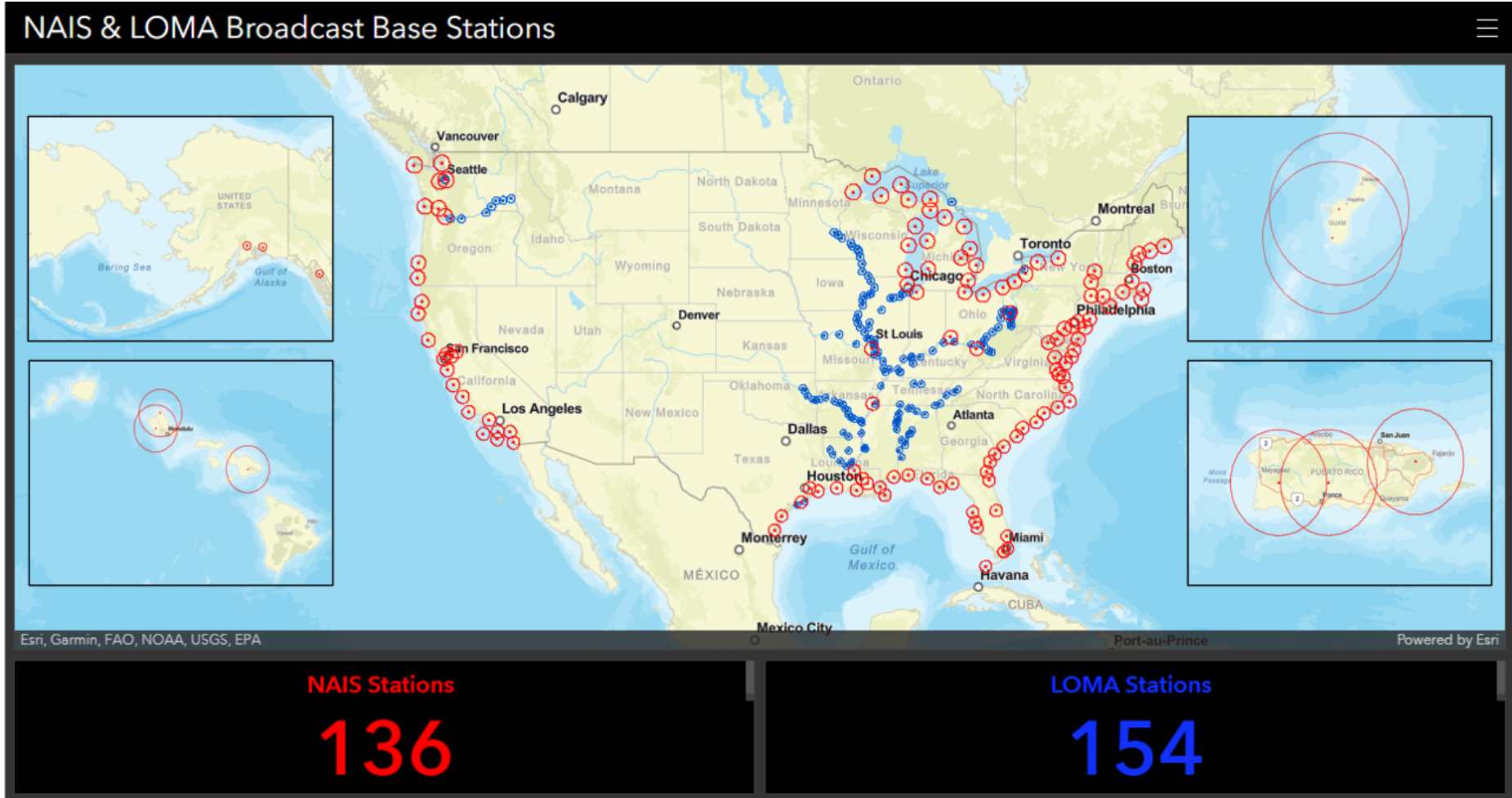
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## TABLE OF CONTENTS

Light List Regions .....	Inside Front Cover
Federal AIS ATON Broadcast Sites.....	i
USCG Contact Information .....	ii
Preface .....	v
Introduction.....	vii
NAIS/LOMA base station list.....	xi
GREAT LAKES	
Lake Ontario .....	17
Lake Erie.....	29
Lake Huron .....	92
Lake Superior.....	131
Lake Michigan.....	139
BAYS, RIVERS, AND HARBORS	
St. Lawrence River .....	1
Oswego Harbor .....	22
Cleveland Harbor.....	41
Sandusky Harbor .....	45
Toledo Harbor.....	58
Detroit River .....	66
Lake St. Clair.....	75
Straits of Mackinac .....	107
St. Marys River.....	116
Duluth Harbor .....	143
Minnesota-Ontario Boarder Lakes.....	151
Grand Haven.....	169
Chicago Harbor.....	178
Green Bay .....	184
INDEX .....	Index-1
CROSS REFERENCE .....	Cross-Reference -1

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# Federal AIS ATON Broadcast Sites



The following is a description of the geographic coverage of each volume:

Volume	Coast Guard District(s)	Geographic Description
I	<b>First Coast Guard District</b> 408 Atlantic Avenue Boston, MA 02110-3350 Tel: 617-223-8356 <a href="http://www.uscg.mil/d1">http://www.uscg.mil/d1</a>	Maine, New Hampshire, Massachusetts, Vermont (Lake Champlain), Rhode Island, Connecticut and New York to Shrewsbury River, New Jersey.
II	<b>Fifth Coast Guard District</b> Federal Building 431 Crawford Street Portsmouth, VA 23704-5004 Tel: (757)398-6486 (757) 398-6552 <a href="http://www.uscg.mil/d5">http://www.uscg.mil/d5</a>	Shrewsbury River, New Jersey to Little River South Carolina.
III	<b>Seventh Coast Guard District</b> Brickell Plaza Federal Building 909 SE 1st Avenue; Rm:406 Miami, FL 33131-3050 Tel: (305) 415-6752 or (305) 415-6800 <a href="http://www.uscg.mil/d7">http://www.uscg.mil/d7</a>	South Carolina, Georgia, Florida to Econfina River (083°50' W), and Puerto Rico and the U.S. Virgin Islands.
IV	<b>Eight Coast Guard District</b> Hale Boggs Federal Building 500 Poydras Street New Orleans, LA 70130-3310 Tel: (504) 671-2327 (504) 671-2137 <a href="http://www.uscg.mil/d8">http://www.uscg.mil/d8</a>	Econfina River (083°50' W), Florida to Rio Grande, Texas.
V		Mississippi River system and its navigable tributaries, Tenn-Tom Waterway, Alabama, Atchafalaya, and the Apalachicola-Chattahoochee-Flint River Systems.
VI	<b>Eleventh Coast Guard District (California, Nevada, Utah, Arizona)</b> Coast Guard Island Building 50-2 Alameda, CA 94501-5100 Tel: (510) 437-2975 <a href="http://www.uscg.mil/d11">http://www.uscg.mil/d11</a>  <b>Thirteenth Coast Guard District (Oregon, Washington, Idaho, Montana)</b> Federal Building, 915 Second Ave, Suite 3510 Seattle, WA 98174-1067 Tel: (206) 220-7280 (206) 220-7001 <a href="http://www.uscg.mil/d13">http://www.uscg.mil/d13</a>  <b>Fourteenth Coast Guard District (Hawaiian, American Samoa, Marshall, Marianas, and Caroline Islands)</b> Prince Kalaniana'ole Federal Bldg. 300 Ala Moana Blvd 9th Floor, Room 9-220 Honolulu, HI 96850-4982 Tel: (808) 535-3409 (808) 535-3414 <a href="http://www.uscg.mil/d14">http://www.uscg.mil/d14</a>  <b>Seventeenth Coast Guard District (Alaska)</b> PO Box 25517 Juneau, AK 99802-5517 Tel: (907) 463-2269 <a href="http://www.uscg.mil/d17">http://www.uscg.mil/d17</a>	Pacific Coast, Pacific Islands, and the Coast of Alaska.
VII	<b>Ninth Coast Guard District</b> 1240 East 9th Street Cleveland, OH 44199-2060 Tel: (216)902-6060 or (216) 902-6117 <a href="http://www.uscg.mil/d9">http://www.uscg.mil/d9</a>	Great Lakes and the St. Lawrence River above the St. Regis River.

## U. S. COAST GUARD NINTH DISTRICT

### UNIT LISTING

#### AIDS TO NAVIGATION TEAMS

<p><b>ANT BUFFALO</b>                  1 Furmann Blvd.                  Buffalo, NY 4203-3189                  Tel: (716) 843-9551</p>	<p><b>ANT DETROIT</b>                  110 Mt. Elliott Ave                  Detroit, MI 48207-4380                  Tel: (313) 568-9538</p>	<p><b>ANT DULUTH</b>                  1201 Minnesota Ave                  Duluth, MN 55802-2492                  Tel: (218) 529-3115</p>
<p><b>ANT TWO RIVERS</b>                  13 East Street                  Two Rivers, WI 54241                  Tel: (920) 793-2260</p>	<p><b>ANT SAULT STE MARIE</b>                  1732 West 22nd St                  Sault Ste. Marie, MI 49783                  Tel: (906) 632-7290</p>	<p><b>ANT MUSKEGON</b>                  1453 Beach St.                  Muskegon, MI 49441-1082                  Tel: (231) 759-8581</p>
<p><b>ANT SAGINAW RIVER</b>                  2405 Weadock Road                  Essexville, MI 48732-9602                  Tel: (989) 894-0412</p>		

#### BUOY TENDERS

<p><b>USCGC SPAR (WLB-206)</b>                  1201 Minnesota Ave                  Duluth, MN 55802-2492                  Tel: (218) 529-3131</p>	<p><b>USCGC BRISTOL BAY (WTGB-102)</b>                  110 Mt. Elliott Ave                  Detroit, MI 48207-4380                  Tel: (313) 568-9548</p>
<p><b>USCGC BUCKTHORN (WLI-642)</b>                  337 Water St.                  Sault Ste. Marie, MI 49783-9501                  Tel: (906) 635-3288/89</p>	<p><b>USCGC HOLLYHOCK (WLB-214)</b>                  2700 Omar St                  Port Huron, MI 48060-8519                  Tel: (810) 982-2684/86</p>
<p><b>USCGC MACKINAW (WLBB-30)</b>                  632 Coast Guard Dr.                  Cheboygan, MI 49721-1299                  Tel: (231) 597-2030</p>	<p><b>USCGC MOBILE BAY (WTGB-103)</b>                  P.O. Box 287                  Sturgeon Bay, WI 54235-0287                  Tel: (920) 743-2646</p>

## Light List Volume VII

This Light List is corrected through Coast Guard District Local Notice to Mariners No. 01/23,  
and National Geospatial-Intelligence Agency (NGA) Notice to Mariners No. 01/23.

The 2023 edition supersedes the 2022 edition.

### RECORD OF CORRECTIONS YEAR 2023 TO YEAR 2024

1/23	2/23	3/23	4/23	5/23	6/23	7/23	8/23
9/23	10/23	11/23	12/23	13/23	14/23	15/23	16/23
17/23	18/23	19/23	20/23	21/23	22/23	23/23	24/23
25/23	26/23	27/23	28/23	29/23	30/23	31/23	32/23
33/23	34/23	35/23	36/23	37/23	38/23	39/23	40/23
41/23	42/23	43/23	44/23	45/23	46/23	47/23	48/23
49/23	50/23	51/23	52/23				

## PREFACE

Lights and other marine aids to navigation maintained by or under authority of the U.S. Coast Guard and located on waters used by general navigation are described in the 7 volumes of the U.S. Light List. The Light List describes many aids to navigation owned or maintained by private entities; however, not all such aids are described.

***CAUTION: Mariners attempting to pass a buoy close aboard risk collision with a yawing buoy or with the obstruction that the buoy marks. Mariners must not rely on buoys alone for determining their positions due to factors limiting buoy reliability.***

### PRIVATE AIDS TO NAVIGATION

Class I aids to navigation: These are aids located on marine structures or other works that the owners are legally obligated to establish, maintain, and operate as prescribed by the Coast Guard. These are included in the Light List.

Class II aids to navigation: These are aids, exclusive of Class I, that are located in waters used by general navigation. These are included in the Light List.

Class III aids to navigation: These are aids, exclusive of Class I and Class II that are located in waters not ordinarily used by general navigation. These are not included in the Light List.

### LIGHT LIST AVAILABILITY

This Light List is annually published in electronic format and is intended to furnish more information concerning aids to navigation than can be conveniently shown on charts (U.S. Coast Guard Light List volumes can be found US Coast Guard Navigation Center website ([USCG Light Lists](#))). This Light List is not intended to be used in place of charts or the [United States Coast Pilot®](#). Charts should be consulted for the location of all aids to navigation. It may be dangerous to use aids to navigation without reference to charts.

**Note:** NOAA has announced the phased shutdown of its traditional paper and raster chart production system. Cancellation of traditional NOAA paper nautical charts, RNCs, and other associated raster chart products began in 2021 and will be completed by January 2025. Use NOAA ENC's for the most up-to-date information.

This list is corrected to the date of the notices to mariners shown on the title page. Changes to aids to navigation during the year are advertised in U.S. Coast Guard Local Notices to Mariners and an updated list is posted every week on the USCG and National Geospatial-Intelligence Agency (NGA) Maritime Safety Office's Websites. Important changes to aids to navigation may also be broadcast through Coast Guard or Naval radio stations and NAVTEX. Mariners should keep their Light Lists corrected from these notices and should consult all notices issued after the date of publication of this Light List. Additionally, the U.S. Coast Guard maintains weekly updated Light Lists corrected through the current LNM week and are available in **XML** and **PDF** on the [Weekly Light List Page](#) of the U.S. Coast Guard Navigation Center (NAVCEN) website.

**IMPORTANT:** A summary of corrections for this publication, which includes corrections from the dates shown on the title page to the date of availability, is advertised in the Local Notice to Mariners and the Notice to Mariners. These corrections must be applied to bring the Light List up to date. Additionally, this publication should be corrected weekly from the Local Notices to Mariners or the Notices to Mariners, as appropriate.

Mariners and others are requested to bring any apparent errors or omissions in these lists to the attention of the cognizant U.S. Coast Guard District or NAVCEN at [TIS-SMB-NISWS@USCG.MIL](mailto:TIS-SMB-NISWS@USCG.MIL)

# INTRODUCTION

## How the Light List is Arranged

Aids to navigation on the Coastal United States are listed in geographic order clockwise from north to south along the Atlantic coast, east to west along the Gulf of Mexico, and south to north along the Pacific coast. On the Great Lakes, aids to navigation are listed from east to west and from south to north, except on Lake Michigan, which is listed from north to south. Seacoast aids to navigation are listed first, followed by entrance and harbor aids to navigation, which are listed in the order proceeding towards the head of navigation from seaward.

Names of aids to navigation are printed as follows to help distinguish immediately the type of aid to navigation.

**Seacoast/Lake Coast Lights**

**Secondary Lights, RACONS**

**Sound Signals**

RIVER, HARBOR, OTHER LIGHTS, VIRTUAL AIS

*Lighted Buoys*

Daybeacons, Unlighted Buoys, Virtual Automatic Identification System (V-AIS) ATON

Light List numbers are assigned to all Federal and Private aids to navigation for reference in the Light List. Aids to navigation are generally numbered by fives in accordance with their order of appearance in each volume of the Light List. Other numbers and decimal fractions are assigned where newly established aids to navigation are listed between previously numbered aids to navigation. The Light Lists are renumbered periodically to assign whole numbers to all aids to navigation.

International numbers are assigned to certain aids to navigation in cooperation with the International Hydrographic Organization. They consist of an alphabetic character followed by three or four numeric characters. A cross reference listing appears after the index.

## Description of Columns

Column (1): Light List Number.

Column (2): Name and location of the aid to navigation.

Bearings are in degrees true, read clockwise from 000° through 359°.

Bearings on range lines are given in degrees and tenths where applicable.

(C) indicates Canadian aid to navigation.

Note: A dash (-) is used to indicate the bold heading is part of the name of the aid to navigation. When reporting discrepancies or making references to such an aid to navigation in correspondence, the full name of the aid including the geographic heading, should be given.

- Column (3): Geographic position (WGS-84) of the aid to navigation in latitude and longitude.
- Column (4): Light characteristic for lighted aids to navigation.
- Column (5): Height above water from the focal plane of the fixed light to mean high water, listed in feet. For Volume 5 (Western Rivers), height above water is not indicated for aids to navigation. Clearances for bridges, etc. are contained in the remarks column and indicate water level for each instance.
- For Volume 7 (Great Lakes), height above water from the focal plane of the fixed light to low water datum, listed in feet and meters.
- Column (6): Nominal range of lighted aids to navigation, in nautical miles, listed by color for sector and passing lights. Nominal Range is not listed for ranges, directional lights, or private aids to navigation.
- For Volume 7 (Great Lakes), nominal range is expressed in statute miles.
- Column (7): The structural characteristic of the aid to navigation, including: dayboard (if any), description of fixed structure, color and type of buoy, height of structure above ground for major lights.
- Column (8): Aid remarks, sound signal characteristics, including: VHF-FM channel if remotely activated, RACON characteristic, light sector arc of visibility, radar reflector, emergency lights, seasonal remarks, and private aid to navigation identification. AIS specific information may include its unique Maritime Mobile Service Identity (MMSI), the MMSI(s) of its source AIS transmission, and the application identifier of any Application Specific Messages (ASM) it may also be transmitting.

## **U.S. Coast Guard Light List Distribution**

U.S. Regulations require that most commercial vessels maintain on board a currently corrected copy or pertinent extract of the U.S. Coast Guard Light Lists, which are available for free and are updated weekly on the Coast Guard Navigation Center's website at [USCG NAVCEN](http://USCG.NAVCEN). For our policy on the use of electronic publications and charts, see Navigation and Vessel Inspection Circular (NVIC) 01-16 CH-2 which can be found here: <https://www.dco.uscg.mil/Our-Organization/NVIC/Year/2010/>.

## **Nautical Charts & Publications**

Nautical charts covering the coastal waters of the United States and its territories are produced by the National Oceanic and Atmospheric Administration (NOAA). These chart products include the NOAA electronic navigational chart (NOAA ENC<sup>®</sup>), NOAA raster navigational chart (NOAA RNC<sup>®</sup>), and traditional paper nautical charts. Information about ENCs may be found here: <https://nauticalcharts.noaa.gov/charts/noaa-enc.html>. Information about paper nautical charts and associated raster chart products may be found here: <https://nauticalcharts.noaa.gov/charts/noaa-raster-charts.html>.

ENCs, RNCs, and traditional chart images may be downloaded from the NOAA Chart Locator at: <https://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml>. Paper copies of traditional nautical charts may be purchased from any of the NOAA certified chart agents listed at: <https://www.nauticalcharts.noaa.gov/publications/print-agents.html#paper-charts>.

**Note:** NOAA has announced the phased shutdown of its traditional paper and raster chart production system. Cancellation of traditional NOAA paper nautical charts, RNCs, and other associated raster chart products began in 2021 and will be completed by January 2025. Use NOAA ENC's for the most up-to-date information.

Inland Electronic Navigational Charts (IENC) and chart books are published by the U.S. Army Corps of Engineers (USACE) and are available online at <https://www.agc.army.mil/echarts>

Tide Tables and Tidal Current Tables are no longer printed or distributed by NOAA. NOAA Tide and Current predictions are available online at [NOAA Tides & Currents](#). Commercially printed versions that use NOAA data are also available.

## Notices to Mariners

Several maritime information products produced by the U. S. Government use some version of the name “Notice to” or “Notice to Mariners”. This section will describe each and explain how they can be obtained or accessed.

**U.S. Notice to Mariners**, published weekly by the National Geospatial Intelligence Agency (NGA), is prepared jointly by the NGA, the U. S. Coast Guard, and the National Ocean Service. Its purpose is to provide corrections to U. S. nautical charts used by ocean-going vessels, and corrections for a variety of publications, including the U. S. Coast Pilot, NGA List of Lights, and the USCG Light List, among others. The Notice to Mariners also catalogues recent maritime safety information that has been distributed for the benefit of oceangoing vessels. These include NAVAREA Warnings, HYDROLANTS, HYDROPACS, and HYDROARCS. Visit NGA at <https://msi.nga.mil/NTM> to obtain the latest and previous U. S. Notice to Mariners. For more information about such information is distributed worldwide through the Global Maritime Distress and Safety System (GMDSS), refer to NGA Publication 117: <https://msi.nga.mil/Publications/RNA>

**Local Notice to Mariners** are published weekly by each of the nine U. S. Coast Guard Districts, and provide the following information for waters within the District: the status of federal and private aids to navigation (such as discrepancies or temporary or proposed changes); special notices about maritime events, operations, and hazards; information about bridges; and, chart corrections for all National Ocean Service Charts in the District. Current and previous Local Notice to Mariners for each CG District can be found at the Coast Guard Navigation Center Website: <https://www.navcen.uscg.gov/?pageName=lnmMain>

**U.S. Army Corps of Engineers (USACE) Notice to Navigation Interests ([NTNI Notices](#))** website contains navigation notices and policies issued by USACE Districts with a waterway navigation mission. These documents are disseminated to inform mariners of information describing events that affect waterway navigation such as maintenance projects, hazards to navigation, and other pertinent information. The notices are removed from the page seven days past the end date on the latest amendment. The site also has Policy Notices that remain in place until superseded. This site does not contain all notices such as those published by other agencies.

**Broadcast Notices to Mariners (BNM)** are transmitted using voice over VHF radio (channel 22) by each Coast Guard District to communicate local information about hazards, emergent situations, and the status of federal aids to navigation. Broadcasts occur at scheduled times, or as needed, and are normally announced first on VHF channel 16, before transmission on channel 22. BNMs provide in near real-time much of the same information that will later be published in the Local Notice to Mariners. The Coast Guard has begun to also distribute BNMs via internet, for more timely and convenient delivery - including through email or internet available to wireless mobile devices. To see how this service is being utilized in the First, Fifth, Seventh, Eighth, and Thirteenth Coast Guard Districts, visit: <https://www.navcen.uscg.gov/subscribe-email-rss-feeds> for the most up-to-date list of Districts enrolled in this novel distribution service.

Urgent broadcasts applicable to situations or locations beyond the range of VHF land stations and out to approximately 100 miles have also been broadcast via the medium frequency NAVTEX system.

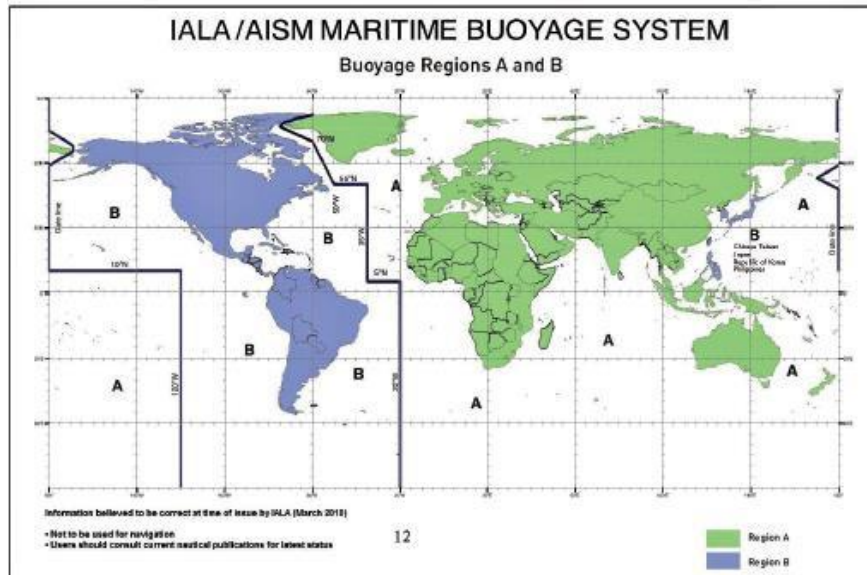
### **Discrepancies to Aids to Navigation**

The U.S. Aids to Navigation System is a publicly monitored system that relies on mariners to inform U.S. Coast Guard units of observed discrepancies or outages. Therefore, for the safety of all mariners, anyone who observes an aid to navigation that is either off station or exhibiting characteristics other than those listed in the Light Lists should promptly notify the nearest Coast Guard unit. Radio messages should be prefixed “COAST GUARD” and transmitted on VHF-FM channel 16. In addition to notifying the nearest Coast Guard unit by radio, a discrepant aid to navigation can be reported online at <https://www.navcen.uscg.gov/contact/aton-discrepancy-report>, or by calling (703) 313-5900, or emailing the Navigation Information Service (NIS) watch at [TIS-SMB-NISWS@USCG.MIL](mailto:TIS-SMB-NISWS@USCG.MIL).

## **GENERAL**

### **U.S. AIDS TO NAVIGATION SYSTEM**

The navigable waters of the United States are marked to assist navigation using the U.S. Aids to Navigation System, a system consistent with the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) Maritime Buoyage System. The IALA Maritime Buoyage System is followed by most of the world’s maritime nations and improves maritime safety by encouraging conformity in buoyage systems worldwide. IALA buoyage is divided into two regions made up of Region A and Region B. All navigable waters of the United States follow IALA Region B, except U.S. possessions west of the International Date Line and south of 10° north latitude, which follow Region A. Lateral aids to navigation in Region A vary from those located within Region B. Non-lateral aids to navigation in Region A are the same as those used in Region B. Appropriate nautical charts and publications should be consulted to determine whether the Region A or Region B marking schemes are in effect for a given area.



Aids to navigation are developed, established, operated, and maintained by the U.S. Coast Guard to accomplish the following:

1. Assist navigators in determining their position,
2. Assist the navigator in determining a safe course,
3. Warn the navigator of dangers and obstructions,
4. Promote the safe and economic movement of commercial vessel traffic, and
5. Promote the safe and efficient movement of military vessel traffic, and cargo of strategic military importance.

The U.S. Aids to Navigation System is designed for use with nautical charts. Nautical charts portray the physical features of the marine environment, which include soundings, landmarks, hazards to navigation, and aids to navigation. To best understand the purpose of a specific aid to navigation, mariners should consult the associated nautical chart, which illustrates the relationship of the aid to navigation to channel limits, obstructions, hazards to navigation, and to the aids to navigation system as a whole. Seasonal aids to navigation are placed into service, withdrawn, or changed at specified times of the year. The dates shown in the Light Lists are approximate and may vary due to adverse weather or other conditions. These aids will be changed on Electronic Navigational Charts (ENC) based on Light List dates and electronic navigation system settings.

Mariners should maintain and consult suitable publications and navigation equipment depending on the vessel's requirements. This shipboard navigation equipment is separate from the aids to navigation system but is often essential to its use.

The Coast Guard establishes, maintains, and operates a system of aids to navigation consisting of visual, audible, and electronic signals designed to assist the prudent mariner in the process of navigation. The U.S. Aids to Navigation System is primarily a lateral system, which employs a simple arrangement of colors, shapes, numbers, and light characteristics to mark the limits of navigable routes. This lateral system is supplemented with electronic signals such as AIS-ATON and non-lateral aids to navigation where appropriate.

The U.S. Aids to Navigation System contains the following subsystems:

1. **Intracoastal Waterway:** The aids to navigation marking the Intracoastal Waterway are arranged geographically from north to south on the Atlantic Coast and generally east to west on the coast of the Gulf of Mexico. Red lights (if so equipped), even numbers, and red buoys or triangle shaped daymarks are located on the southbound/westbound starboard waterway boundary. Green lights (if so equipped), odd numbers, and green buoys or square shaped daymarks are on the southbound/westbound port waterway boundary.
2. **Western Rivers:** The Western Rivers System is employed on the Mississippi River System, in addition to the Tennessee-Tombigbee Waterway and the Alabama, Atchafalaya, and Apalachicola-Chattahoochee-Flint River Systems. The Western Rivers System consists of the following characteristics:
  - a. Buoys are not numbered.
  - b. Numbers on beacons do not have lateral significance, but rather indicate mileage from a fixed point (normally the river mouth).
  - c. Diamond shaped non-lateral dayboards, red and white or green and white as appropriate, are used to indicate where the river channel crosses from one bank to the other.
  - d. Lights on green aids to navigation show a single-flash characteristic, which may be green or white.
  - e. Lights on red aids to navigation show a group-flash characteristic, which may be red or white.
  - f. Isolated danger marks are not used.
3. **Bridge Markings:** Bridges across navigable waters are marked with red, green and/or white lights for nighttime navigation. Red lights mark piers and other parts of the bridge. Red lights are also placed on drawbridges to show when they are in the closed position. Green lights are placed on drawbridges to show when they are in the open position. The location of these lights will vary according to the bridge structure. Green lights are also used to mark the centerline of navigable channels through fixed bridges. If there are two or more channels through the bridge, the preferred channel is also marked by three white lights in a vertical line above the green light.

Red and green retro-reflective panels may be used to mark bridge piers and may also be used on bridges not required to display lights. Lateral red and green lights and dayboards may mark main channels through bridges. Adjacent piers are marked with fixed yellow lights when the main channel is marked with lateral aids to navigation. Centerlines of channels through fixed bridges may be marked with a safe water mark and an occulting white light when lateral marks are used to mark main channels.

The centerline of the navigable channel through the draw span of floating bridges may be marked with a special mark. The mark will be a yellow diamond with yellow retro-reflective panels and may exhibit a yellow light that displays a Morse code "B" (a long flash followed by three short flashes). AIS-ATON and RACONS may be placed on the bridge structure to mark the centerline of the navigable channel through the bridge.

Vertical clearance gauges may be installed to enhance navigation safety. The gauges are located on the right channel pier or pier protective structure facing approaching vessels. Clearance gauges indicate the vertical distance between “low steel” of the bridge channel span (in the closed to navigation position for drawbridges) and the level of the water, measured to the bottom of the foot marks, read from top to bottom.

Drawbridges equipped with radiotelephones display a blue and white sign which indicates what VHF radiotelephone channels should be used to request bridge openings.

4. **Private** aids to navigation include aids to navigation that are either operated by private persons and organizations, or that are operated by states. Private aids to navigation are classified into three categories:
  - a. **Class I:** Aids to navigation on marine structures or other works that the owners are legally obligated to establish, maintain, and operate as prescribed by the U.S. Coast Guard.
  - b. **Class II:** Aids to navigation that, exclusive of Class I aids, are in waters used by general navigation.
  - c. **Class III:** Aids to navigation that, exclusive of Class I and Class II aids, are in waters not ordinarily used by general navigation.

Authorization for the establishment of a Class II or Class III private aid to navigation by the U.S. Coast Guard imposes no legal obligation that the aid be established and operated. It only specifies the location and operational characteristics of the aid for which the authorization was requested. Once the aid is established, however, the owner is legally obligated to maintain it in good working order and properly painted.

5. Lights and sound signals on oil wells or other offshore structures in navigable waters are private aids to navigation and are generally not listed in the Light List unless they are equipped with a RACON. Where space allows, the structures are shown on the appropriate nautical charts. Information concerning the location and characteristics of those structures which display lights and sound signals not located in obstruction areas are published in Local and/or weekly Notices to Mariners. In general, during the nighttime, a series of white lights are displayed extending from the platform to the top of the derrick when drilling operations are in progress. At other times, structures are usually marked with one or more quick flashing white, red, or yellow lights, visible for at least one nautical mile during clear weather. Obstructions, which are a part of the appurtenances to the main structure, such as mooring piles, anchors, and mooring buoys, etc., are not normally lighted. In addition, some structures are equipped with a sound signal that produces a single two-second blast every 20 seconds.

## **BUOYS, BEACONS, AND AIS-ATON**

The primary components of the U.S. Aids to Navigation System are buoys, beacons, and AIS-ATON.

**Buoys** are floating aids to navigation used extensively throughout U.S. waters. They are moored to sinkers by varying lengths of chain and may shift due to sea conditions and other causes. Buoys may also be carried away, capsized, or sunk. Prudent mariners will not rely solely on any single aid to navigation, particularly floating aids.

Buoy positions represented on nautical charts are approximate position only, due to the practical limitations of positioning and maintaining buoys and their sinkers in precise geographical locations.

Positions of Federal buoys are verified during periodic maintenance visits. Between visits, environmental conditions such as atmospheric and sea conditions or seabed slope and composition may shift buoys off their charted positions. Buoys may also be dragged off station, sunk, or capsized by a collision with a vessel.

**Beacons** are aids to navigation which are permanently fixed to the earth's surface. They range from large lighthouses to small single-pile structures and may be located on land or in the water. Lighted beacons are called lights; unlighted beacons are called daybeacons. Lighthouses are placed on shore or on marine sites and most often do not indicate lateral significance. Lighthouses with no lateral significance exhibit a white light.

Beacons exhibit a daymark. For small structures, these are colored geometric shapes that make an aid to navigation readily visible and easily identifiable against background conditions. Generally, the daymark conveys to the mariner during daylight hours the same significance as the aid's light or reflector does at night. The daymark of towers, however, consists of the structure itself. As a result, these daymarks do not imply lateral significance.

Ranges (Leading Lights) are non-lateral aids to navigation composed of two beacons, which when sighted in line with one another, define a particular bearing or course. The appropriate nautical chart must be consulted when using ranges to determine whether the range marks the centerline of the navigable channel and what section of the range may be safely traversed. Ranges typically display rectangular dayboards of various colors and are generally, but not always lighted. Ranges may display lights during daylight and at night. When lighted, ranges may display lights of any color.

**Caution:** Vessels should not pass beacons close aboard due to the danger of collision with riprap or structure foundations, or with the obstruction or danger being marked.

**Automatic Identification System (AIS)** is a maritime navigation safety communications protocol defined by the International Telecommunication Union and adopted by the International Maritime Organization for the autonomous and continuous exchange of pertinent navigation information between seagoing ships and other mandated vessels, such as identity, call-sign, position, dimensions, type, and navigation status. In addition to ship-to-ship broadcasts, AIS may communicate between ship and shore stations and be used for other navigation safety purpose, such as augmenting the presence (on radar) and/or providing the status of an existing ATON.

**Automatic Identification System-ATON (AIS-ATON)** ATON may be enhanced using AIS communications protocol. AIS-ATON can be used to autonomously and at fixed intervals broadcast the name, position, dimensions, type, characteristics, and status from or concerning an aid to navigation. AIS-ATON information can only be “seen” on AIS capable navigation display systems, such as those that meet IEC 62288 Navigation Presentation standards or are supported by other proprietary means used by non-IEC compliant manufacturers. The figures below show how some are represented on AIS compliant navigation displays. AIS-ATON reports may have lateral significance and thus are charted to mimic a physical buoy or beacon. They may also be used to provide other marine safety information, such as when a charted restricted area is open or closed, or to highlight a temporary condition that may not be charted, e.g., rocket launch areas. AIS, as provided by the U.S. Army Corp of Engineers, can also provide reports on environmental conditions, wind speed and direction, current data, lock status, etc.

AIS-ATON reports are characterized in one of three ways: **physical** (meaning the AIS transmitter is physically located on the aid to navigation it is associated with, such as a ATON), **synthetic** (meaning the AIS message or symbol associated with a particular ATON or beacon is being broadcast from a different physical location, such as from an AIS antenna on shore), or **virtual** (meaning no physical ATON or beacon exists, but that an AIS message or symbol is being broadcast in order to be portrayed in a particular location). In the Light List, physical and virtual aids will be listed as such in column (8), the remarks section. If an AIS-ATON listed in the Light List does not have the words “physical” or “virtual” in the remarks section, it should be presumed by the mariner to be a **synthetic** AIS-ATON.

Column (8) will also identify the source Maritime Mobile Service Identity (MMSI) of the broadcast station(s). For example:

---

(8)
Remarks
[Physical/Synthetic/Virtual] AIS AIS: 993666 X <sub>1</sub> X <sub>2</sub> X <sub>3</sub> X <sub>4</sub> SOURCE AIS: 00366X <sub>1</sub> X <sub>2</sub> X <sub>3</sub> X <sub>4</sub> , ASM: 8/67:33v3 [If more than 1 source station] 00366 X <sub>1</sub> X <sub>2</sub> X <sub>3</sub> X <sub>4</sub>

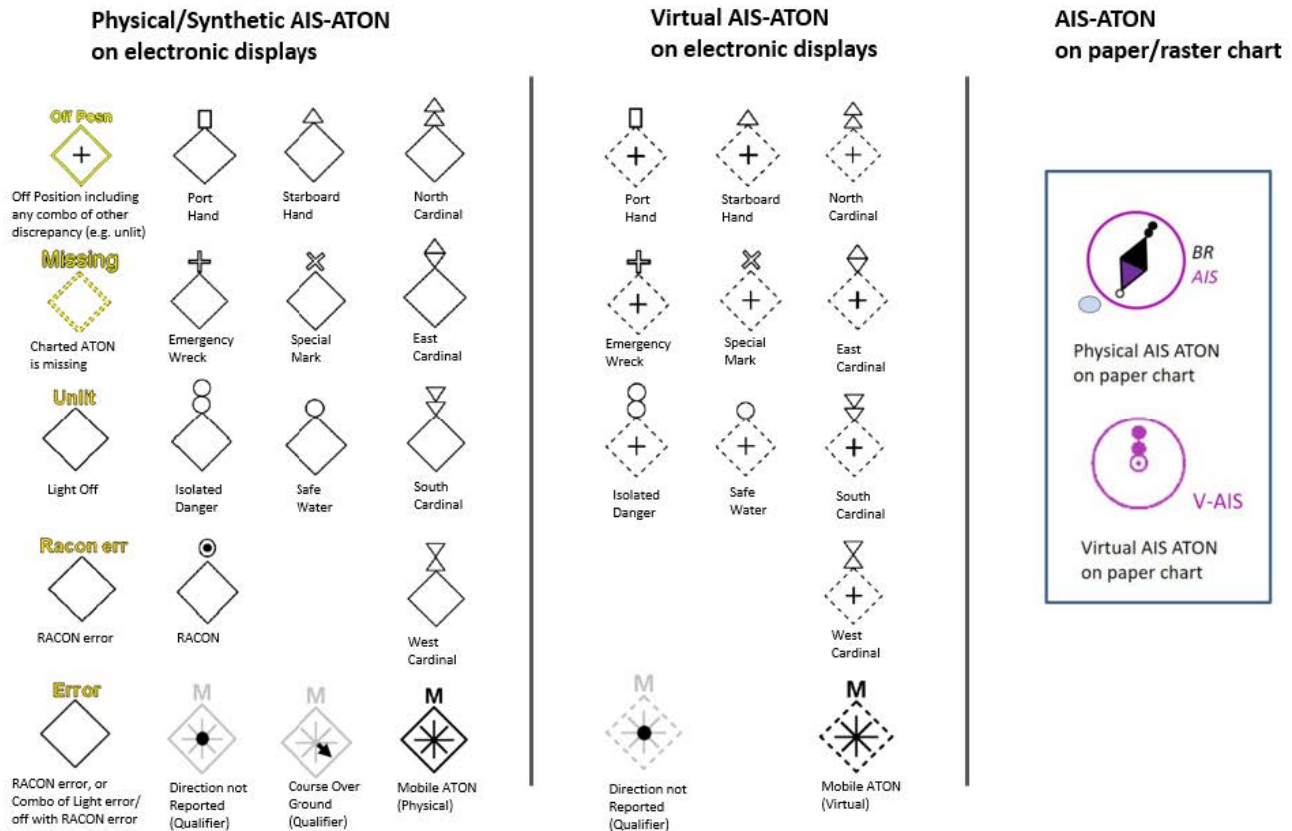
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**Caution:** When encountering an AIS-ATON, especially one associated with an ATON, mariners should consult the Light List carefully to understand whether the AIS transmitter is located on the aid or not. This is critical information necessary for interpreting the situation. For example, if the AIS transmitter is located on the ATON it is associated with (physical AIS-ATON), the location of the AIS signal will always correspond to the ATON’s actual position. If off-station,

its broadcasted report will state so (i.e., off-position indicator, 0 = on position, 1 = off position); and additionally will broadcast an AIS safety-related text message stating: ATON OFF-POSITION. These ATON are usually charted and denoted by a magenta circle and “AIS” label. Synthetic AIS-ATON do not have this capability; when employed with a ATON, synthetic AIS-ATON always appear on the ATON’s assigned (charted) position, even if the ATON is off-station, damaged, missing, etc.

**Caution:** Mariners may find it difficult to distinguish between a synthetic and physical AIS-ATON by examining only the chart. Physical AIS-ATON is encircled in magenta, while synthetic AIS-ATON is not. Charts may not necessarily reflect the existence of a Synthetic AIS-ATON, nor its source station. If unsure, the Light List should be consulted. Virtual AIS-ATON are always listed as “VAIS” on the chart.

For virtual and synthetic AIS-ATON, the Light List may list the Maritime Mobile Service Identity (MMSI) of its (source) broadcast station. Where provided, this information is intended to aid mariners in determining whether they are near enough for their equipment to detect such AIS-ATON. For voyage planning purposes, mariners should note that an ATON’s broadcasted position may be up to 25 nautical miles away from the source station.



As per current IEC 62288:2021 & IHO S-52

The technology associated with AIS-ATON allows for other types of information to be broadcast to the mariner. Examples could include information about the health or status of AIS-ATON, environmental or other safety information, navigation warnings, or information about the status of bridges. Mariners should look for updates to the Light List to understand how the Coast Guard is implementing this technology. Although all existing AIS mobile devices can receive AIS ATON Reports and Application Specific Messages (ASM), they may not readily appear on an AIS Minimal Keyboard Display or other shipboard navigational display systems (Radar), which would require software updates to make these systems compliant with international navigation presentation standards (i.e., IEC 62288 (series), IHO S-52 (series)). The data content of AIS Application Specific Messages can found at <https://www.iala-aism.org/asm>.

They are identified by their: AIS message number (i.e. 6, 8, 25 or 26), Designated Area Code (DAC), Function Identifier (FI), and Version Number.

Application Specific Message

ASM:X/YYYY.ZZ.V, where:

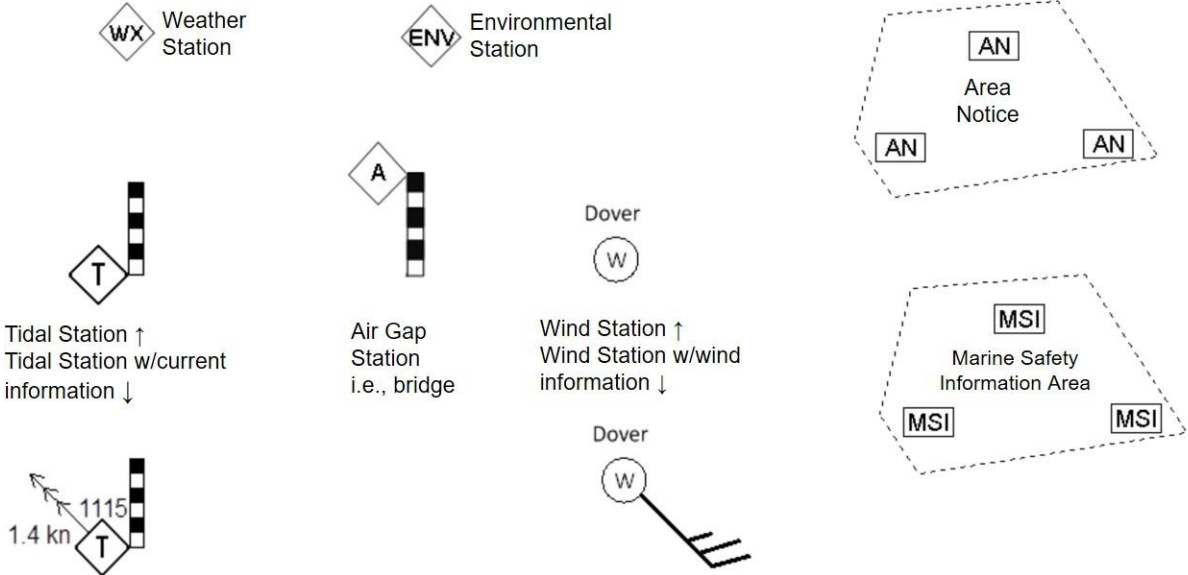
X identifies the AIS message number (i.e. 6, 8, 25 or 26),

YY its Designated Area Code (DAC),

ZZ its Function Identifier (FI), and V its Version Number,

e.g. ASM:8/367.22.2 denotes U.S. Geographic Notice, Application Specific Message 8, DAC = 367, FI = 22, Version = 2.

# Symbology used for Application Specific Messages per International Navigation Displays Standard (IEC 62288)



**Nationwide Automatic Identification System (NAIS)** consists of approximately 200 VHF receiver sites located throughout the coastal continental United States, inland rivers, Alaska, Hawaii, Puerto Rico, and Guam. NAIS couples AIS technology with a comprehensive network infrastructure to achieve ship-to-shore and shore-to-ship data transmission throughout the navigable waters of the United States. The system enables AIS-equipped vessels to receive important marine information such as safety and security messages, weather alerts, and electronic aids to navigation. A list of NAIS Base Stations and their corresponding MMSI numbers can be found in the table at the end of this section.

NAIS is designed to collect safety and security data from AIS-equipped vessels in navigable waters of the United States and share that data with Coast Guard operators and other government and port partners. The primary goal of NAIS is to increase situational awareness through data dissemination via a network infrastructure, particularly focusing on improving maritime security, marine and navigational safety, search and rescue, and environmental protection services. Collected AIS data improves the safety of vessels and ports through collision avoidance and the safety of the nation through detection, identification, and classification of vessels. NAIS broadcasts navigation enhancing safety related messages such as Synthetic AIS ATON Reports and Application Specific Messages.

For more information about AIS see:

- AIS messages at: [NAVCEN AIS Messages](#)
- IMO Safety of Navigation Circular 289 and 290 regarding Application Specific Messages (ASM) at: [NAVCEN AIS References](#)
- IALA AIS ASM Catalog at: [www.e-navigation.nl/asm](http://www.e-navigation.nl/asm), and
- USCG Special Notice 14-02 regarding AIS Aids to Navigation at: [NAVCEN AIS FAQ #21](#)

The U.S. Army Corps of Engineers (USACE) operates AIS-ATONs extensively throughout the Western Rivers, Columbia River and at the Sault Ste Marie lock and dam. USACE AIS Stations broadcast a variety of information including ATON, Environmental, and Geographic Notices in support of navigation safety and efficient movement of vessels through U.S. inland waterways through their Lock Operations and Management Application (LOMA).

The Marine Exchange of Alaska (MXAK) is a nonprofit maritime organization based in Juneau, Alaska. The organization was established to broker information, that aids safe, secure, efficient, and environmentally sound maritime operations in Alaska. MXAK operates a network of Automatic Identification System (AIS) Stations to broadcast a variety of information including ATON, Environmental, and Geographic Notices in support of navigation safety and efficient movement of vessels throughout Alaska.

The U.S. Coast Guard and some other approved entities (i.e., U.S. Army Corps of Engineers, National Oceanic and Atmospheric Administration, Marine Exchange of Alaska, etc.) have been transmitting [AIS ATON Reports](#) and marine safety information via AIS since 2014 (see our [Special Notice 01-2014](#)). The exact content, location, and times of these transmissions are announced in the Coast Guard Local Notices to Mariners ([LNM](#)) and denoted in Coast Guard [Light List](#).

Note, AIS ATON stations operated in the U.S., other than by the U.S. Coast Guard, require Federal Communications Commission (FCC) or National Telecommunication Information Agency (NTIA) radio determination service licensing/authorization; which they will not grant without prior approval from the U.S. Coast Guard. Requests for such approvals may be sent to [cgnav@uscg.mil](mailto:cgnav@uscg.mil) via a USCG Private Aid to Navigation (PATON) application (either CG Form [2554](#) or [4143](#)) and this [Addendum](#). For further information on AIS ATON see our AIS Frequently Asked Question [21](#) and the International Association of Marine Aid to Navigation and Lighthouse Authorities' ([IALA](#)) publications on the subject.

For further information on AIS ATON, please refer to the various [IALA Guidelines and Recommendations](#) and their uses. The U.S. Coast Guard and some other approved entities (i.e., U.S. Army Corps of Engineers, National Oceanic and Atmospheric Administration, Marine Exchange of Alaska, etc.) have been transmitting AIS ATON Reports and marine safety information via AIS since 2014 (see our Special Notice 01-2014). The exact content, location, and times of these transmissions are announced in the Coast Guard Local Notices to Mariners (LNM) and denoted in Coast Guard Light List.

## **TYPES OF SIGNALS**

Lighted aids to navigation are, for the most part, equipped with daylight controls which automatically cause the light to operate during darkness and to be extinguished during daylight. These devices are not of equal sensitivity; therefore, all lights do not come on or go off at the same time. Mariners should ensure correct identification of aids to navigation during twilight periods when some lighted aids to navigation are lit while others are not. The lighting apparatus is serviced at periodic intervals to assure reliable operation, but there is always possibility of a light being extinguished or operating improperly.

Only aids to navigation with green or red lights have lateral significance and exhibit either flashing, quick flashing, group flashing, occulting, or isophase light rhythms. When proceeding in the conventional direction of buoyage, the mariner in IALA Region B, may see the following lighted aids to navigation:

Green lights on aids to navigation mark port sides of channels and locations of wrecks or obstructions that must be passed by keeping these lighted aids to navigation on the port hand of a vessel. Green lights are also used on preferred channel marks where the preferred channel is to starboard (i.e., aid to navigation left to port when proceeding in the conventional direction of buoyage). Red lights on aids to navigation mark starboard sides of channels and locations of wrecks or obstructions that must be passed by keeping these lighted aids to navigation on the starboard hand of a vessel. Red lights are also used on preferred channel marks where the preferred channel is to port (i.e., aid to navigation left to starboard when proceeding in the conventional direction of buoyage).

White and yellow lights have no lateral significance. The shapes, colors, letters, and light rhythms may determine the purpose of aids to navigation exhibiting white or yellow lights.

Different colored light emitting diode (LED) lights used in conjunction or sectors of colored glass are placed in the lanterns of some lights to produce a system of light sectors of different colors. In general, red sectors are used to mark shoals or to warn the mariner of other obstructions to navigation or of nearby land. Such lights provide approximate bearing information since observers may note the change of color as they cross the boundary between sectors. These boundaries are indicated in the Light List (Col. 8) and by dotted lines on charts. These bearings, as all bearings referring to lights, are given in true degrees from 000° to 359°, as observed from a vessel toward the light.

When navigating, mariners should not rely on a line of bearing defined by the boundary between light sectors. These sectors are not designed to define an accurate observed line of bearing. Using a compass bearing to the light is recommended as more accurate. Be guided instead by the correct compass bearing to the light and do not rely on being able to accurately observe the point at which the color changes. This is difficult to determine because the edges of a colored sector cannot be cut off sharply. On either side of the line of demarcation between white, red, or green sectors, there is always a small arc of uncertain color. Moreover, when haze or smoke is present in the intervening atmosphere, a white sector might have a reddish hue.

The arc drawn on charts around a light is not intended to give information as to the distance at which it can be seen. The arc indicates the bearings between which the variation of visibility or obstruction of the light occurs.

Most aids to navigation are fitted with retro reflective material to increase their visibility in darkness. Colored reflective material is used on aids to navigation that, if lighted, will display lights of the same color.

Preferred channel marks exhibit a composite group-flashing light rhythm of two flashes followed by a single flash.

Safe water marks exhibit a white Morse code “A” rhythm (a short flash followed by a long flash).

Isolated danger marks exhibit a white flashing (2) rhythm (two flashes repeated regularly).  
Special marks exhibit yellow lights and exhibit a flashing or fixed rhythm.

Information and regulatory marks exhibit a white light with any light rhythm except quick flashing, flashing (2) and Morse code “A.”

For situations where lights require a distinct cautionary significance, as at sharp turns, sudden channel constrictions, wrecks, or obstructions, a quick flashing light rhythm will be used.

### **Conditions which may affect a Light**

The condition of the atmosphere has a considerable effect upon the distance at which lights can be seen. Sometimes lights are obscured by fog, haze, dust, smoke, or precipitation which may be present at the light, or between the light and the observer, and which is possibly unknown by the observer. Atmospheric refraction may cause a light to be seen farther than under ordinary circumstances.

A light of low intensity will be easily obscured by unfavorable conditions in the atmosphere and little dependence can be placed on it being seen. For this reason, the intensity of a light should always be considered when expecting to sight it in reduced visibility. Haze and distance may reduce the apparent duration of the flash of a light. In some atmospheric conditions, white lights may have a reddish hue. Lights placed at high elevations are more frequently obscured by clouds, mist, and fog than those lights located at or near sea level.

In regions where ice conditions prevail in the winter, the lantern panes of lights may become covered with ice or snow, which will greatly reduce the visibility of the lights and may also cause colored lights to appear white.

The increasing use of brilliant shore lights for advertising, illuminating bridges, and other purposes, may cause marine navigational lights, particularly those in densely inhabited areas, to be outshone and difficult to distinguish from the background lighting. Mariners are requested to report such cases in order that steps may be taken to improve the conditions.

The “loom” (glow) of a powerful light is often seen beyond the limit of visibility of the actual rays of the light. The loom may sometimes appear sufficiently sharp enough to obtain a bearing. At short distances, some flashing lights may show a faint continuous light between flashes.

The distance of an observer from a light cannot be estimated by its apparent intensity. Mariners should always check the characteristics of lights to avoid mistaking powerful lights, visible in the distance, for nearby lights (such as those on lighted buoys) showing similar characteristics of low intensity. If lights are not sighted within a reasonable time after prediction, a dangerous situation may exist, requiring prompt resolution or action to ensure the safety of the vessel.

The characteristic of a light can appear to change based on the observer's distance from it. Consider the case of a light with a rather complex characteristic: Fixed white with an alternating red and white. From a distance the light might appear to only be a flashing white. At a shorter distance it may look like an alternating red and white. Only up close might an observer be able to see the true characteristic. Fixed white with an alternating red and white.

If a vessel has considerable vertical motion due to pitching in heavy seas, a light sighted on the horizon may alternatively appear and disappear. This may lead the unwary to assign a false characteristic and hence, to error in its identification. The true characteristic will be evident after the distance has been sufficiently decreased or by increasing the height of eye of the observer.

Similarly, the effect of wave motion on lighted buoys may produce the appearance of incorrect light phase characteristics when certain flashes occur but are not viewed by the mariner. In addition, buoy motion can reduce the distance at which buoy lights are detected.

**Shapes** are used to provide easy identification on certain unlighted buoys and dayboards on beacons. These shapes are laterally significant only when associated with laterally significant colors. In IALA Region B, cylindrical buoys (referred to as “can buoys”) and square dayboards mark the port side of a channel when proceeding in the conventional direction of buoyage. These aids to navigation are associated with solid green or green and red-banded marks where the topmost band is green. Conical buoys (referred to as “nun buoys”) and triangular dayboards mark the starboard side of the channel when proceeding from seaward. These aids to navigation are associated with solid red or red and green-banded marks where the topmost band is red.

Unless fitted with topmarks; lighted, sound, pillar, and spar buoys have no shape significance. Their numbers, colors, and light characteristics convey their meanings.

**Dayboards** throughout the U.S. Aids to Navigation System are described using standard designations that describe the appearance of each dayboard. A brief explanation of the designations and of the purpose of each type of dayboard in the system is given below, followed by a verbal description of the appearance of each dayboard type.

Designations:

1. First Letter – Shape or Purpose

C: Crossing (Western Rivers only) diamond-shaped, used to indicate the points at which the channel crosses the river.

J: Junction (square or triangle) used to mark (preferred channel) junctions or bifurcations in the channel, or wrecks or obstructions which may be passed on either side; color of top band has lateral significance for the preferred channel.

K: Range (rectangular) when both the front and rear range dayboards are aligned on the same bearing, the observer is on the azimuth of the range, usually used to mark the center of the channel.

M: Safe Water (octagonal) used to mark the fairway or middle of the channel.

N: No lateral significance (diamond or rectangular) used for special purpose, warning, distance, or location markers.

S: Square used to mark the port side of channels when proceeding from seaward.

T: Triangle used to mark the starboard side of channels when proceeding from seaward.

2. Second Letter – Key Color

B – Black      G – Green      R – Red      W – White      Y – Yellow

3. Third Letter – Color of Center Stripe (Range Dayboards Only)

4. Additional Information after a (-)

-I: Intracoastal Waterway; a yellow reflective horizontal band on a dayboard; indicates the aid to navigation marks the Intracoastal Waterway.

-SY: Intracoastal Waterway; a yellow reflective square on a dayboard; indicates the aid to navigation is a port hand mark for vessels traversing the Intracoastal Waterway. May appear on a triangular daymark where the Intracoastal Waterway coincides with a waterway having opposite conventional direction of buoyage.

-TY: Intracoastal Waterway; a yellow reflective triangle on a dayboard; indicates the aid to navigation is a starboard hand mark for vessels traversing the Intracoastal Waterway. May appear on a square daymark where the Intracoastal Waterway coincides with a waterway having opposite conventional direction of buoyage.

Descriptions:

- CNG: Diamond-shaped dayboard divided into four diamond-shaped colored sectors with the sectors at the side corners white and the sectors at the top and bottom corners green, with green reflective diamonds at the top and bottom corners and white reflective diamonds in the side corners (Western Rivers only).
- CNR: Diamond-shaped dayboard divided into four diamond-shaped colored sectors with the sectors at the side corners white and the sectors at the top and bottom corners red, with red reflective diamonds at the top and bottom corners and white reflective diamonds in the side corners (Western Rivers only).
- JG: Dayboard bearing horizontal bands of green and red, green band topmost, with corresponding reflective borders.
- JG-I: Square dayboard bearing horizontal bands of green and red, green band topmost, with corresponding reflective borders and a yellow reflective horizontal band.
- JG-SY: Square dayboard bearing horizontal bands of green and red, green band topmost, with corresponding reflective borders and a yellow reflective square.
- JG-TY: Square dayboard bearing horizontal bands of green and red, green band topmost, with corresponding reflective borders and a yellow reflective triangle.
- JR: Dayboard bearing horizontal bands of red and green, red band topmost, with corresponding reflective borders.
- JR-I: Triangular dayboard bearing horizontal bands of red and green, red band topmost, with corresponding reflective borders and a yellow reflective horizontal band.
- JR-SY: Triangular dayboard bearing horizontal bands of red and green, red band topmost, with corresponding reflective borders and a yellow reflective square.
- JR-TY: Triangular dayboard bearing horizontal bands of red and green, red band topmost, with corresponding reflective borders and a yellow reflective triangle.
- KBG: Rectangular black dayboard bearing a central green stripe.
- KBG-I: Rectangular black dayboard bearing a central green stripe and a yellow reflective horizontal band.
- KBR: Rectangular black dayboard bearing a central red stripe.
- KBR-I: Rectangular black dayboard bearing a central red stripe and a yellow reflective horizontal band.
- KBW: Rectangular black dayboard bearing a central white stripe.
- KBW-I: Rectangular black dayboard bearing a central white stripe and a yellow reflective horizontal band.

- KGB: Rectangular green dayboard bearing a central black stripe.
- KGB-I: Rectangular green dayboard bearing a central black stripe and a yellow reflective horizontal band.
- KGR: Rectangular green dayboard bearing a central red stripe.
- KGR-I: Rectangular green dayboard bearing a central red stripe and a yellow reflective horizontal band.
- KGW: Rectangular green dayboard bearing a central white stripe.
- KGW-I: Rectangular green dayboard bearing a central white stripe and a yellow reflective horizontal band.
- KRB: Rectangular red dayboard bearing a central black stripe.
- KRB-I: Rectangular red dayboard bearing a central black stripe and a yellow reflective horizontal band.
- KRG: Rectangular red dayboard bearing a central green stripe.
- KRG-I: Rectangular red dayboard bearing a central green stripe and a yellow reflective horizontal band.
- KRW: Rectangular red dayboard bearing a central white stripe.
- KRW-I: Rectangular red dayboard bearing a central white stripe and a yellow reflective horizontal band.
- KWB: Rectangular white dayboard bearing a central black stripe.
- KWB-I: Rectangular white dayboard bearing a central black stripe and a yellow reflective horizontal band.
- KWG: Rectangular white dayboard bearing a central green stripe.
- KWG-I: Rectangular white dayboard bearing a central green stripe and a yellow reflective horizontal band.
- KWR: Rectangular white dayboard bearing a central red stripe.
- KWR-I: Rectangular white dayboard bearing a central red stripe and a yellow reflective horizontal band.
- MR: Octagonal dayboard bearing stripes of white and red, with a white reflective border.
- MR-I: Octagonal dayboard bearing stripes of white and red, with a white reflective border and a yellow reflective horizontal band.

- NB: Diamond-shaped dayboard divided into four diamond-shaped colored sectors with the sectors at the side corners white and the sectors at the top and bottom corners black, with a white reflective border.
- ND: Rectangular white mileage marker with black numerals indicating the mile number (Western Rivers only).
- NG: Diamond-shaped dayboard divided into four diamond-shaped colored sectors with the sectors at the side corners white and the sectors at the top and bottom corners green, with a white reflective border.
- NL: Rectangular white location marker with an orange reflective border and black letters indicating the location.
- NR: Diamond-shaped dayboard divided into four diamond-shaped colored sectors with the sectors at the side corners white and the sectors at the top and bottom corners red, with a white reflective border.
- NW: Diamond-shaped white dayboard with an orange reflective border and black letters describing the information or regulatory nature of the mark.
- NY: Diamond-shaped yellow dayboard with yellow reflective border.
- SG: Square green dayboard with a green reflective border.
- SG-I: Square green dayboard with a green reflective border and a yellow reflective horizontal band.
- SG-SY: Square green dayboard with a green reflective border and a yellow reflective square.
- SG-TY: Square green dayboard with a green reflective border and a yellow reflective triangle.
- SR: Square red dayboard with a red reflective border. (IALA Region “A”)
- TG: Triangular green dayboard with a green reflective border. (IALA Region “A”)
- TR: Triangular red dayboard with a red reflective border.
- TR-I: Triangular red dayboard with a red reflective border and a yellow reflective horizontal band.
- TR-SY: Triangular red dayboard with a red reflective border and a yellow reflective square.
- TR-TY: Triangular red dayboard with a red reflective border and a yellow reflective triangle. These abbreviated descriptions are used in column (7) and may also be found on the illustrations of the U.S. Aids to Navigation System.

**Numbers** are used to provide easy identification of aids to navigation. In IALA Region B, all solid red and solid green aids are numbered, except for buoys located on the Western Rivers. Red aids to navigation have even numbers and green aids to navigation have odd numbers. The numbers for each increase from seaward when proceeding in the conventional direction of buoyage. Numbers are kept in approximate sequence on both sides of the channel by omitting numbers where necessary.

Letters may be used to augment numbers when lateral aids to navigation are added to channels with previously completed numerical sequences. Letters will increase in alphabetical order, proceeding in the conventional direction of buoyage, and are added to numbers as suffixes. Letters are not used for buoys on the Western Rivers. No other aids to navigation are numbered. Preferred channel, safe water, isolated danger, special marks, and information and regulatory aids to navigation may be lettered, but not numbered.

**Sound signal** is a generic term used to describe aids to navigation that produce an audible signal designed to assist the mariner in periods of reduced visibility. These aids to navigation can be activated by several means e.g., manually, remotely, or automatically (as in the case of a fog detector). The Coast Guard is replacing many fog detectors with mariner radio activated sound signals (MRASS). To activate, mariners key their VHF-FM radio a designated number of times on a designated VHF-FM channel. The sound signal is activated for a period of 15, 30, 45, or 60 minutes after which the activated assistance automatically turns off. In cases where a fog detector is in use, there may be a delay in the automatic activation of the signal. Additionally, fog detectors may not be capable of detecting patchy fog conditions.

Sound signals are distinguished by their tone and phase characteristics. Devices producing sound, e.g., diaphones, diaphragm horns, sirens, whistles, bells, and gongs emit a distinct sound.

Phase characteristics are defined by the signal's sound pattern, i.e., the number of blasts and silent periods per minute and their durations. Signals sounded from fixed structures generally produce a specific number of blasts and silent periods each minute when operating. Sound signals installed on buoys are generally activated by the motion of the sea and therefore do not emit a regular signal characteristic. It is common, in fact, for a buoy to produce no sound signal when seas are calm.

The characteristic of a sound signal is listed in column (8) of the Light List. If the sound signal is remotely activated, column (8) will contain the VHF-FM channel and number of times the VHF-FM radio should be keyed. All waterway users equipped with a VHF-FM radio may activate the sound signal, but they are not required to do so. Unless the light list indicates that the sound signal "operates continuously," or the signal is a bell, gong, or whistle on a buoy, mariners can assume that the sound signal only operates during times of fog, reduced visibility, or adverse weather.

**Caution:** *Mariners should not rely on sound signals to determine their position. Distance cannot be accurately determined by sound intensity. Occasionally, sound signals may not be heard in areas close to their location. Signals may not sound in cases where fog exists close to, but not at, the location of the sound signal.*

**Radar Beacons (RACONS)** are radar transponders that when triggered by an X-band radar produce a coded response from its location, which is portrayed radially as a series of dots and dashes on the triggering radar. Although RACONS may be used on both laterally significant and non-laterally significant aids to navigation, their signal should just be used for identification purposes only.

RACONS have a typical output of 600 milliwatts and are considered a short-range aid to navigation. Reception varies from a nominal range of 6 to 8 nautical miles (when mounted on a buoy) to as much as 17 nautical miles for a RACON mounted on a fixed structure. It must be understood that these nominal ranges are dependent upon many factors.

The beginning of the RACON presentation occurs about 50 yards beyond the RACON's actual position and will persist for a number of revolutions of the radar antenna (depending on its rotation rate).

Radar operators may notice some broadening or spoking of the RACON presentation when their vessel approaches closely to the source of the RACON. This effect can be minimized by adjusting the IF gain or sweep gain control of the radar. If desired, the RACON presentation can be virtually eliminated by operation of the FTC (fast time constant) controls of the radar.

**Radar Reflectors** are special fixtures, incorporated into both lighted and unlighted aids to navigation, to enhance the reflection of radar energy. These fixtures make equipped ATON more detectable. However, they do not positively identify a radar target as an ATON.

## **GPS and Navigation – Related Services Operated by the US Coast Guard**

**Global Positioning System (GPS):** GPS is a satellite-based navigation system, operated and controlled by the Department of Defense (DOD) under U.S. Air Force management, which provides precise, worldwide, three-dimensional navigation capabilities. The system was originally designed for military application; however, it is now available to all and used almost ubiquitously. The United States is committed to maintaining the availability of at least 24 operational GPS satellites, in six precise orbital planes, each of which complete a circular 10,900 nautical mile orbit of the earth once every 12 hours. At least three satellites are required for a two-dimensional solution. However, GPS does not provide integrity information and mariners should exercise extreme caution when using GPS in restricted waterways. Ideally, a minimum of four satellites will be visible from any position on the earth and will provide positions with a global horizontal accuracy within 3 meters, 95% percent of the time. Whenever possible, advance notice of when GPS satellites should not be used will be provided by the DOD and made available by the US Coast Guard through GPS status messages.

**Navigation Information Service (NIS):** The U.S. Coast Guard Navigation Center (NAVCEN) is the official government source of information for civil users of the Global Positioning System (GPS). The Navigation Information Service (NIS) is available 24 hours a day, seven days a week, for all Radio Navigation and maritime related needs via phone, fax or e-mail. The NIS provides users the ability to access real time or archived GPS, and LNM information at [www.navcen.uscg.gov](http://www.navcen.uscg.gov), as well as subscribe to an automated list service which enables users to receive GPS status messages and Notice to NAVSTAR User (NANU) messages via direct Internet e-mail. The NAVCEN also disseminates GPS safety advisory broadcast messages through USCG broadcast stations utilizing VHF-FM voice, HF-SSB voice, and NAVTEX broadcasts. The broadcasts provide the GPS user in the marine environment with the status of the navigation systems, as well as any planned/unplanned system outages that could affect GPS navigational accuracy.

To comment on any of these services or ask questions about the service offered, contact the NAVCEN at:

Commanding Officer U.S. Coast Guard NAVCEN (NIS) MS 7310  
 7323 Telegraph Road Alexandria, VA 20598-7310  
 Phone: (703) 313-5900  
 FAX: (703) 313-5920  
<http://www.navcen.uscg.gov>

**USCG Navigation Center Website:** The USCG Navigation Center (NAVCEN) operates a website that provides the maritime public with marine safety information (MSI) dissemination and reporting services. The NAVCEN website is [www.navcen.uscg.gov](http://www.navcen.uscg.gov). NAVCEN MSI dissemination services include GPS status messages, Notice Advisory to NAVSTAR Users (NANU) messages, Local Notice to Mariners, Broadcast Local Notice to Mariners, and the USCG Light List. Methods of MSI dissemination include VHF, NAVTEX, MF/HF SSB broadcasts, RSS feeds, and email subscription services. NAVCEN reporting services include web-based form discrepancy reporting for aids to navigation (ATON), global positioning system (GPS), automatic identification system (AIS), and Long Range Identification System (LRIT).

### ABBREVIATIONS

Various abbreviations are utilized in Broadcast Notices to Mariners, Local Notices to Mariners, on charts, and in the Light Lists. Refer to the following list.

<b><u>Light Characteristics</u></b>		<b><u>Sound Signal Characteristics</u></b>	
Alternating Characteristic	AL CHAR	Blast Every Seconds	BL EV S
Composite Group-Flashing	FL (2+1)	Silent	SI
Composite Group-Occulting	OC (2+1)	<b><u>Colors*</u></b>	
Continuous Quick-Flashing	Q	Black	B
Eclipse Fixed and Flashing	EC FFL	Blue	BU
Fixed	F	Green	G
Group-Flashing	FL (3)	Orange	OR
Group-Occulting	OC (2)	Red	R
Interrupted Quick-Flashing Isophase	IQ ISO	White	W
Morse Code	MO (A)	Yellow	Y
Occulting	OC	*NOTE: Color refers to characteristics of aids to navigation only.	
Single-Flashing	FL	<b><u>Aids to Navigation</u></b>	
		Aeronautical Radiobeacon	AERO RBN
		Automatic Identification System	AIS
		Daybeacon	DBN
		Destroyed	DESTR
		Discontinued	DISCONTD

<b><u>Organizations</u></b>		Established	ESTAB		
Commander, Coast Guard District	CCGD (#)	Exposed Location Buoy	ELB		
Coast Guard	CG	Extinguished	EXT		
U.S. Army Corps of Engineers	USACE	Fog Signal Station	FOG SIG		
National Geospatial-Intelligence Agency	NGA	Light List Number	LLNR		
National Ocean Service	NOS	Light	LT		
National Weather Service	NWS	Lighted Bell Buoy	LBB		
		Lighted Buoy	LB		
		Lighted Gong Buoy	LGB		
		Lighted Horn Buoy	LHB		
		Lighted Whistle Buoy	LWB		
<b><u>Vessels</u></b>		Mariner Radio Activated Sound Signal	MRASS		
Aircraft	A/C	Ocean Data Acquisition System	ODAS		
Fishing Vessel	F/V	Privately Maintained	PRIV MAINTD		
Liquefied Natural Gas Carrier	LNG	Radar Reflector	RA REF		
Motor Vessel (includes Steam Ship, Container Ship, Cargo Vessel, Tanker etc)	M/V	Radar Responder Beacon	RACON		
Pleasure Craft	P/C	Remote Radio Activated Sound Signal	RRASS		
Research Vessel	R/V	Single Point Mooring Buoy	SPM		
Sailing Vessel	S/V	Sound Signal	SS		
<b><u>Various</u></b>		Temporarily Replaced by Lighted Buoy	TRLB		
Anchorage	ANCH	Temporarily Replaced by Unlighted Buoy	TRUB		
Anchorage Prohibited	ANCH PROHIB	Topmark	TMK		
Approximate	APPROX	Virtual AIS Aid to Navigation Whistle	V-AIS WHIS		
Atlantic	ATL				
Authorized	AUTH	<b><u>Days of the Week</u></b>	<b><u>Compass Directions</u></b>		
Average	AVG	Monday	MON	North	N
Bearing	BRG	Tuesday	TUE	South	S
Breakwater	BKW	Wednesday	WED	East	E
Broadcast Notice to Mariners	BNM	Thursday	THU	West	W
Canadian Aid	(C)	Friday	FRI	Northeast	NE
Captain of the Port	COTP	Saturday	SAT	Northwest	NW
Channel	CHAN	Sunday	SUN	Southeast	SE
				Southwest	SW

Code of Federal Regulations	CFR	<b><u>Months</u></b>	
Continue	CONT	January	JAN
Degrees (temp, geo, pos)	DEG	February	FEB
Diameter	DIA	March	MAR
Edition	ED	April	APR
Effect/Effective	EFF	May	MAY
Entrance	ENTR	June	JUN
Explosive Anchorage	EXPLOS ANCH	July	JUL
Fathom(s)	FM(S)	August	AUG
Foot/Feet	FT	September	SEP
Harbor	HBR	October	OCT
Height	HT	November	NOV
Hertz	HZ	December	DEC
Horizontal Clearance	HOR CL		
Hour	HR	<b><u>Countries and States</u></b>	
International Regulations for Preventing Collisions at Sea	COLREGS	Alabama	AL
Kilohertz	KHZ	Alaska	AK
Kilometer	KM	American Samoa	AS
Knot(s)	KT(S)	Arizona	AZ
Minute (time, geo, pos)	MIN	Arkansas	AR
Megahertz	MHZ	California	CA
Maritime Mobile Service Identity	MMSI	Canada	CN
Moderate	MOD	Colorado	CO
Mountain, Mount	MT	Connecticut	CT
Nautical Mile(s)	NM	Delaware	DE
Notice to Mariners	NTM	District of Columbia	DC
Obstruction	OBSTR	Florida	FL
Occasion/Occasionally	OCCASION	Georgia	GA
Operating Area	OPAREA	Guam	GU
Pacific	PAC	Hawaii	HI
Point(s)	PT(S)	Idaho	ID
Position	POS	Illinois	IL
		Indiana	IN
		Iowa	IA
		Kansas	KS
		Kentucky	KY
		Louisiana	LA
		Maine	ME
		Maryland	MD
		Marshall Islands	MH

Position		Massachusetts	MA
Approximate	PA	Missouri	MO
Pressure	PRES	Mississippi	MS
Private, Privately	PRIV	Mexico	MX
Prohibited	PROHIB	Michigan	MI
Publication	PUB	Minnesota	MN
Range	RNG	Montana	MT
Reported	REP	Nebraska	NE
Restricted	RESTR	Nevada	NV
River	RIV	New Hampshire	NH
Rock	RK	New Jersey	NJ
Saint	ST	New Mexico	NM
Second		New York	NY
(time, geo, pos)	SEC	North Carolina	NC
Signal Station	SIG STA	North Dakota	ND
Station	STA	Northern Marianas	MP
Statute Mile(s)	SM	Ohio	OH
Storm Signal		Oklahoma	OK
Station	S SIG STA	Oregon	OR
Temporary	TEMP	Pennsylvania	PA
Thunderstorm	TSTORM	Puerto Rico	PR
Through	THRU	Rhode Island	RI
True	T	South Carolina	SC
Uncovers, Dries	UNCOV	South Dakota	SD
Universal		Tennessee	TN
Coordinate Time	UTC	Texas	TX
Urgent Marine		United States	US
Information	UMIB	Utah	UT
Broadcast		Vermont	VT
Velocity	VEL	Virgin Islands	VI
Vertical Clearance	VERT CL	Washington	WA
Vessel Traffic		West Virginia	WV
Service	VTS	Wisconsin	WI
Visibility	VIS	Wyoming	WY
Yard(s)	YD		
Warning	WARN		
Weather	WX		
Wreck	WK		

## GLOSSARY OF AIDS TO NAVIGATION TERMS

**Adrift:** Afloat and unattached in any way to the shore or seabed.

**Aid to Navigation:** Any device external to a vessel or aircraft specifically intended to assist navigators in determining their position or safe course, or to warn them of dangers or obstructions to navigation.

**Automatic Identification System Aid to Navigation (AIS-ATON):** An aid to navigation signal that is broadcast through AIS. They can be physical, synthetic, or virtual.

**Alternating Lights:** A rhythmic light showing light of alternating colors.

**Arc of Visibility:** The portion of the horizon over which a lighted aid to navigation is visible from seaward.

**Articulated Beacon:** A beacon-like buoyant structure, tethered directly to the seabed and having no watch circle. Called articulated light or articulated daybeacon, as appropriate.

**Assigned Position:** The latitude and longitude position for an aid to navigation.

**Beacon:** A lighted or unlighted fixed aid to navigation attached directly to the earth's surface. (Lights and Daybeacons both constitute beacons.

**Bearing:** The horizontal direction of a line of sight between two objects on the surface of the earth.

**Bell:** A sound signal producing bell tones by means of a hammer actuated by electricity on fixed aids and by sea

motion on buoys.

**Bifurcation:** The point where a channel divides when proceeding from seaward. The place where two tributaries meet.

**Broadcast Notice to Mariners:** A radio broadcast designed to provide important marine information.

**Buoy:** A floating object of defined shape and color, which is anchored at a given position and serves as an aid to navigation.

**Characteristic:** The audible, visual, or electronic signal displayed by an aid to navigation to assist in the identification of an aid to navigation. Characteristic refers to lights, sound signals, RACONS, and Daybeacons.

**Commissioned:** The action of placing a previously discontinued aid to navigation back in service.

**Composite Group Flashing Light:** A group flashing light in which the flashes are combined in successive groups of different numbers of flashes.

**Composite Group-Occulting Light:** A light like a group occulting light except that the successive groups in a period have different numbers of eclipses.

**Conventional Direction of Buoyage:** The general direction taken by the mariner when approaching a harbor, river, estuary, or other waterway from seaward, or proceeding upstream or in a direction of the main stream of flood tide, or in the direction indicated in appropriate nautical documents (normally, following a clockwise

direction around land masses).

**Daybeacon:** An unlighted fixed structure which is equipped with a dayboard for daytime identification.

**Dayboard:** The daytime identifier of an aid to navigation presenting one of several standard shapes (square, triangle, rectangle) and colors (red, green, white, orange, yellow, or black).

**Daymark:** The daytime identifier of an aid to navigation. (See column 7 of the Light List)

**Diaphone:** A sound signal which produces sound by means of a slotted piston moved back and forth by compressed air. A “two- tone” diaphone produces two sequential tones with a second tone of lower pitch.

**Directional Light:** A light illuminating a sector or very narrow angle and intended to mark a direction to be followed.

**Discontinued:** To remove from operation (permanently or temporarily) a previously authorized aid to navigation.

**Discrepancy:** Failure of an aid to navigation to maintain its position or function as prescribed in the Light List.

**Discrepancy Buoy:** An easily transportable buoy used to temporarily replace an aid to navigation not watching properly.

**Dolphin:** A minor aid to navigation structure consisting of a number of piles driven into the seabed or riverbed in a circular pattern and drawn together with rope.

**Eclipse:** An interval of darkness

between appearances of a light.

**Emergency Light:** A light of reduced intensity displayed by certain aids to navigation when the main light is extinguished.

**Establish:** To place an authorized aid to navigation in operation for the first time.

**Extinguished:** A lighted aid to navigation which fails to show a light characteristic.

**Fixed Light:** A light showing continuously and steady, as opposed to a rhythmic light. (Do not confuse with “fixed” as used to differentiate from “floating”.)

**Flash:** A relatively brief appearance of a light, in comparison with the longest interval of darkness in the same characteristic.

**Flash tube:** An electronically controlled high- intensity discharge lamp with a very brief flash duration.

**Flashing Light:** A light in which the total duration of the light in each period is clearly shorter than the total duration of the darkness and in which the flashes of light are all of equal duration. (Commonly used for a single-flashing light which exhibits only single flashes which are repeated at regular intervals.)

**Floating Aid to Navigation:** A buoy, secured in its assigned position by a mooring.

**Fog Detector:** An electronic device used to automatically determine conditions of visibility which warrant the activation of a sound signal or additional light signals.

**Fog Signal:** See sound signal.

**Geographic Range:** The greatest distance the curvature of the earth permits an object of a given height to be seen from a particular height of eye without regard to luminous intensity or visibility conditions.

**Global Positioning System (GPS):** A satellite-based radio-navigation system providing continuous worldwide coverage. It provides navigation, position, and timing information to air, marine, and land users.

**Gong:** A wave actuated sound signal on buoys which uses a group of saucer-shaped bells to produce different tones.

**Group Flashing Light:** A flashing light in which a group of flashes, specified in number, is regularly repeated.

**Group Occulting Light:** An occulting light in which a group of eclipses, specified in number, regularly repeated.

**Horn:** A sound signal which uses electricity or compressed air to vibrate a disc diaphragm.

**Inoperative:** Sound signal or electronic aid to navigation out of service due to a malfunction.

**Interrupted Quick Flash:** A quick flashing light in which the rapid alternations are interrupted at regular intervals by eclipses of long duration.

**Isolated Danger Mark:** A mark erected on, or moored above or very near, an isolated danger which has navigable water all around it.

**Isophase Light:** A rhythmic light in which all durations of light and darkness are equal.

**Junction:** The point where a channel divides when proceeding seaward. The place where a distributary departs from the mainstream.

**Lateral System:** A system of aids to navigation in which characteristics of buoys and beacons indicate the sides of a channel or route relative to a Conventional Direction of Buoyage (usually upstream).

**Light:** The signal emitted by a lighted aid to navigation. The illuminating apparatus used to emit the light signal. A lighted aid to navigation on a fixed structure.

**Light Sector:** The arc over which a light is visible, described in degrees true, as observed from seaward towards the light. May be used to define distinctive color difference of two adjoining sectors, or an obscured sector.

**Lighted Ice Buoy (LIB):** A lighted buoy without a sound signal and designed to withstand the forces of shifting and flowing ice. Used to replace a conventional buoy when that aid to navigation is endangered by ice.

**Lighthouse:** A lighted beacon of major importance.

**Local Notice to Mariners:** A written document issued by each U.S. Coast Guard district to disseminate important information affecting aids to navigation, dredging, marine construction, special marine activities, and bridge construction on waterways within that district.

**Luminous Range:** The greatest distance a light can be expected to be seen given its nominal range and the prevailing

meteorological visibility.

**Mariner Radio Activated Sound Signal**

**(MRASS):** A system that allows the mariner to activate an ATON sound signal or light signal if the aid is so equipped. Once activated, the signal will continue to sound or remain lit for a period of time noted in the Light List before shutting down and going into standby mode again. The signal is activated by keying the microphone 5 consecutive times on VHF/FM channel 81A/157.075Mhz.

**Mark:** A visual aid to navigation. Often called navigational mark, including floating marks (buoys) and fixed marks (beacons).

**Meteorological Visibility:** The greatest distance at which a black object of suitable dimension could be seen and recognized against the horizon sky by day, or in case of night observations, could be seen and recognized if the general illumination were raised to the daylight level.

**Mileage Number:** A number assigned to aids to navigation which gives the distance in sailing miles along the river from a reference point to the aid to navigation. The number is used principally in the Mississippi River

**Nominal Range:** The maximum distance a light can be seen in clear weather (meteorological visibility of 10 nautical miles). Listed for all lighted aids to navigation except range lights, directional lights, and private aids to navigation.

**Occulting Light:** A light in which the total duration of light in each period is clearly longer than the total duration of the darkness and in which the intervals

of darkness (occultations) are all of equal duration. Commonly used for single occulting light which exhibits only single occultation which are repeated at regular intervals.

**Ocean Data Acquisition System**

**(ODAS):** Certain large buoys in deep water for the collection of oceanographic and meteorological information. All ODAS buoys are yellow in color and display a yellow light.

**Offshore Tower:** Monitored light stations built on exposed marine sites to replace lightships.

**Off Station:** A floating aid to navigation that is not on its assigned position.

**Passing Light:** A low intensity light which may be mounted on the structure of another light to enable the mariner to keep the latter light in sight when passing out of its beam during transit.

**Period:** The interval of time between the commencements of two identical successive cycles of the characteristic of the light or sound signal.

**Physical AIS-ATON:** AIS-ATON message broadcast from a transponder affixed to the corresponding buoy and beacon.

**Pile:** A long, heavy steel, concrete or timber driven into the seabed or riverbed to serve as a support for an ATON.

**Port Hand Mark:** A buoy or beacon which is left to the port hand when proceeding in the “Conventional Direction of Buoyage”.

**Preferred Channel Mark:** A lateral mark indicating a channel junction or bifurcation, or a wreck or other

obstruction which after consulting a chart, may be passed on either side.

**Primary Aid to Navigation:** An aid to navigation established for the purpose of making landfalls and coastwise passages from headland to headland.

**Quick Light:** A light exhibiting very rapid regular alternations of light and darkness, normally 60 flashes per minute.

**RACON:** A radar beacon which produces a coded response or radar paint, when triggered by a radar signal.

**Radar:** An electronic system designed to transmit radio signals and receive reflected images of those signals from a “target” in order to determine the bearing and distance to the “target”.

**Radar Reflector:** A special fixture fitted to or incorporated into the design of certain aids to navigation to enhance their ability to reflect radar energy. In general, these fixtures will materially improve the aid to navigation for use by vessels with radar.

**Range:** A line formed by the extension of a line connecting two charted points.

**Range lights:** Two lights associated to form a range which often, but not necessarily, indicates the channel centerline. The front range light is the lower of the two, and nearer to the mariner using the range. The rear light is higher and further from the mariner.

**Rebuilt:** A fixed aid to navigation, previously destroyed, which has been restored as an aid to navigation.

**Regulatory Marks:** A white and orange aid to navigation with no lateral

significance. Used to indicate a special meaning to the mariner, such as danger, restricted operations, or exclusion area.

**Relighted:** An extinguished aid to navigation returned to its advertised light characteristics.

**Replaced:** An aid to navigation previously off station, adrift, or missing, restored by another aid to navigation of the same type and characteristics.

**Replaced (temporarily):** An aid to navigation previously off station, adrift, or missing restored by another aid to navigation of a different type and/or characteristic.

**Reset:** A floating aid to navigation previously off station, adrift or missing, returned to its assigned position (station).

**Rhythmic Light:** A light showing intermittently with a regular periodicity.

**Sector:** See light sector.

**Setting a Buoy:** The act of placing a buoy on assigned position in the water.

**Siren:** A sound signal which uses electricity or compressed air to actuate either a disc or a cup shaped rotor.

**Skeleton Tower:** A tower, usually of steel, constructed of heavy corner members and various horizontal and diagonal bracing members.

**Sound Signal:** A device which transmits sound, intended to provide information to mariners during periods of restricted visibility and foul weather.

**Starboard Hand Mark:** A buoy or beacon which is right to the starboard hand when proceeding in the

Conventional Direction of Buoyage.

**Synthetic AIS-ATON:** AIS ATON message broadcast (typically from shore) to an assigned position with a corresponding buoy or beacon.

**Top mark:** One or more relatively small objects of characteristic shape and color placed on aid to identify its purpose.

**Traffic Separation Scheme:** Shipping corridors marked by buoys which separate incoming from outgoing vessels. Improperly called SEA LANES.

**Virtual AIS-ATON:** AIS ATON message broadcast (typically from shore) to an assigned position with no corresponding buoy or beacon.

**Watching Properly:** An aid to navigation on its assigned position exhibiting the advertised characteristics in all respects.

**Whistle:** A wave actuated sound signal on buoys which produces sound by emitting compressed air through a circumferential slot into a cylindrical bell chamber.

**Winter Marker:** An unlighted buoy without a sound signal, used to replace a conventional buoy when an aid to navigation is endangered by ice.

**Winter Light:** A light which is maintained during those winter months when the regular light is extinguished. It is of lower candlepower than the regular light, but usually the same characteristic.

**Withdrawn:** The discontinuance of an aid to navigation or equipment on an aid to navigation during severe ice conditions or for the winter season.

# CHARACTERISTICS OF LIGHTS

## Illustration



## Type Description

1. **FIXED.**  
A light showing continuously and steadily.
2. **OCCULTING.**  
A light in which the total duration of light in a period is longer than the total duration of darkness and the intervals of darkness (eclipses) are usually of equal duration
  - 2.1 **Single-occulting.**  
An occulting light in which an eclipse is regularly repeated.
  - 2.2 **Group-occulting.**  
An occulting light in which a group of eclipses, specified in numbers, is regularly repeated.
  - 2.3 **Composite group-occulting.**  
A light, similar to a group-occulting light, except that successive groups in a period have different numbers of eclipses.
3. **ISOPHASE.**  
A light in which all durations of light and darkness are equal.
4. **FLASHING.**  
A light in which the total duration of light in a period is shorter than the total duration of darkness and the appearances of light (flashes) are usually of equal duration.
  - 4.1 **Single-flashing.**  
A flashing light in which a flash is regularly repeated (frequency not exceeding 30 flashes per minute).
  - 4.2 **Group-flashing.**  
A flashing light in which a group of flashes, specified in number, is regularly repeated.
  - 4.3 **Composite group-flashing.**  
A light similar to a group flashing light except that successive groups in the period have different numbers of
5. **QUICK.**  
A light in which flashes are produced at a rate of 60 flashes per minute.
  - 5.1 **Continuous quick.**  
A quick light in which a flash is regularly repeated.
  - 5.2 **Interrupted quick.**  
A quick light in which the sequence of flashes is interrupted by regularly repeated eclipses of constant and long duration.
6. **MORSE CODE.**  
A light in which appearances of light of two clearly different durations (dots and dashes) are grouped to represent a character or characters in the Morse code.
7. **FIXED AND FLASHING.**  
A light in which a fixed light is combined with a flashing light of higher luminous intensity.
8. **ALTERNATING.**  
A light showing different colors alternately

## Abbreviation

- F
- Oc
- Oc (2)
- Oc (2+1)
- Iso
- FI
- FI (2)
- FI (2+1)
- Q
- I Q
- Mo (A)
- F FI
- AI RW

**LIST OF NAIS AND LOMA BROADCAST BASE STATIONS AND THEIR LOCATIONS**

<b>AIS BASE STATION TYPE</b>	<b>MMSI</b>	<b>LOCATION</b>	<b>LATITUDE</b>	<b>LONGITUDE</b>
NAIS	3660610	Cohasset	42-14-35.999N	070-50-11.000W
NAIS	3660608	Bethany	41-24-17.399N	072-59-58.301W
NAIS	3660609	Shinnecock	40-50-52.800N	072-30-10.501W
NAIS	3669168	Bristol	43-54-59.003N	069-29-05.400W
NAIS	3660613	Ongunquit	43-14-51.690N	070-38-21.640W
NAIS	3660614	Swans Island	44-09-41.918N	068-25-21.788W
NAIS	3660615	Westbrook	43-44-38.000N	070-20-03.001W
NAIS	3669169	Catskill	42-12-34.160N	073-53-57.220W
NAIS	3660616	Putnam Valley	41-25-54.901N	073-52-49.598W
NAIS	3660617	Troy	42-47-08.999N	073-37-41.002W
NAIS	3660618	Miacomet	41-15-05.050N	070-07-43.900W
NAIS	3660619	Orleans	41-47-29.699N	069-59-35.999W
NAIS	3660620	Warwick	41-39-53.302N	071-31-18.300W
NAIS	3660612	Alexandria	38-45-14.090N	077-07-35.692W
NAIS	3660611	Greenbury Point	38-58-44.501N	076-27-15.199W
NAIS	3669761	North East	39-33-41.400N	075-55-46.801W
NAIS	3669764	C3CEN LAB TOP	36-52-53.7594N	076-21-33.480W
NAIS	3669765	C3CEN LAB TRANS	36-52-53.7594N	076-21-33.480W
NAIS	3669100	Burlington	39-58-13.300N	074-53-55.601W
NAIS	3669101	Cape May	38-56-40.981N	074-53-02.069W
NAIS	3669102	Manasquan	40-06-55.879N	074-02-00.910W
NAIS	3669743	Swedesboro	39-43-32.498N	075-20-39.599W
NAIS	3669744	Tuckerton	39-37-54.910N	074-21-12.850W
NAIS	3669750	Berlin	38-19-39.740N	075-11-48.080W
NAIS	3669748	Chincoteague	37-55-52.871N	075-22-56.759W
NAIS	3669749	Farnham	37-53-15.000N	076-37-59.999W
NAIS	3669745	Merrick	37-33-27.202N	075-49-43.000W
NAIS	3669751	Newport News	37-09-49.000N	076-32-08.050W
NAIS	3669752	Pungo	36-43-48.698N	076-00-32.400W
NAIS	3660622	Buxton	35-14-43.879N	075-32-02.609W
NAIS	3660623	Mamie	36-08-08.830N	075-49-27.131W
NAIS	3660625	Sneads Ferry	34-31-05.081N	077-26-53.059W
NAIS	3660626	Southport	33-56-56.000N	078-00-42.001W
NAIS	3660624	Stacy	34-52-24.920N	076-24-53.890W
NAIS	3660627	Carnigan	31-27-52.898N	081-29-05.690W
NAIS	3660628	Garden City	33-36-03.218N	079-03-04.342W
NAIS	3660629	McClellanville	33-05-21.502N	079-29-25.001W
NAIS	3669170	Montgomery	31-56-31.900N	081-07-17.490W
NAIS	3660630	Port Royal	32-25-11.410N	080-28-30.360W

NAIS	3669171	Brunswick	30-49-39.800N	081-44-26.400W
NAIS	3660631	Jacksonville	30-16-35.000N	081-33-51.998W
NAIS	3660632	Saint Cloud	28-16-45.300N	081-01-23.999W
NAIS	3660633	Princeton	25-32-23.798N	080-28-06.499W
NAIS	3660634	Truman Annex	24-33-01.102N	081-48-20.902W
NAIS	3669191	Biscayne Bay	25-32-24.972N	080-28-06.492W
NAIS	3660635	Lake Worth	26-35-21.199N	080-12-43.279W
NAIS	3669192	Miami	25-45-33.000N	080-11-30.800W
NAIS	3660637	Cerro Maravilla	18-09-10.810N	066-33-14.830W
NAIS	3669753	El Yunque	18-18-38.002N	065-47-34.001W
NAIS	3660636	Monte Del Estado	18-09-07.999N	066-59-26.999W
NAIS	3669746	Nokomis	27-09-04.000N	082-27-50.000W
NAIS	3669172	Palmetto	27-32-43.100N	082-34-27.330W
NAIS	3669747	Tarpon Springs	28-10-57.670N	082-46-04.330W
NAIS	3669781	Aransas Pass	27-56-40.171N	097-07-54.451W
NAIS	3669782	Kenedy	26-59-24.270N	097-39-46.020W
NAIS	3669774	Baytown	29-46-06.899N	095-01-04.598W
NAIS	3669173	Caney Creek	28-50-40.210N	095-39-29.130W
NAIS	3669777	Grand Chenier	29-46-22.699N	092-59-10.100W
NAIS	3669775	High Island	29-33-56.902N	094-23-19.201W
NAIS	3669163	Proctor	35-06-02.185N	090-17-29.231W
NAIS	3669756	Port St Joe	29-49-09.360N	085-15-33.870W
NAIS	3669757	Robertsdale	30-36-45.430N	087-38-41.660W
NAIS	3669759	Shell Point	30-04-35.198N	084-18-05.198W
NAIS	3669758	Santa Rosa	30-22-28.200N	086-11-20.198W
NAIS	3669760	Van Cleave	30-29-10.050N	088-42-53.260W
NAIS	3669766	Bachelor	30-52-20.701N	091-40-23.700W
NAIS	3669175	Baton Rouge	30-22-50.040N	091-03-16.500W
NAIS	3669767	Bayou Salle	29-38-18.600N	091-31-02.399W
NAIS	3669176	Grammercy	30-04-25.200N	090-42-13.900W
NAIS	3669762	Reggio	29-48-32.320N	089-45-45.950W
NAIS	3669771	Venice	29-17-59.399N	089-22-28.499W
NAIS	3669164	Ft Thomas	39-03-47.966N	084-26-29.868W
NAIS	3669165	Huntington	38-23-30.343N	082-29-29.760W
NAIS	3669166	Pittsburgh PA	40-28-19.056N	079-59-39.635W
NAIS	3669167	Imperial	39-23-18.377N	090-22-20.100W
NAIS	3669755	Avon Lake	41-28-54.599N	082-01-25.201W
NAIS	3669768	Conneaut	41-55-00.520N	080-32-57.008W
NAIS	3669770	Eden	42-39-03.701N	078-49-28.402W
NAIS	3669772	Hamlin	43-18-09.601N	077-54-53.798W
NAIS	3669769	Ripley	42-14-11.900N	079-39-33.901W
NAIS	3669754	Sunset Bay	43-30-30.170N	076-22-16.050W

NAIS	3669181	Bay City	43-32-33.100N	083-39-37.000W
NAIS	3669773	Lake Port	43-07-27.998N	082-31-37.999W
NAIS	3669182	Maumee Bay	41-38-13.400N	083-22-01.600W
NAIS	3669776	Port Austin	44-01-44.480N	083-00-04.250W
NAIS	3669778	Wayne	42-17-04.700N	083-08-24.000W
NAIS	3669785	Agnew	42-56-25.300N	086-08-19.100W
NAIS	3669786	Arcadia	44-27-02.300N	086-12-15.800W
NAIS	3669779	Ellison Bay	45-14-04.499N	087-05-27.600W
NAIS	3669784	Michigan City	41-38-33.100N	086-59-52.700W
NAIS	3669783	Oak Creek	42-51-21.499N	087-50-44.401W
NAIS	3669780	Point Beach	44-12-22.309N	087-36-24.750W
NAIS	3669193	Wilmette	42-04-37.850N	087-41-03.070W
NAIS	3669787	Alpena	45-12-42.001N	083-25-59.999W
NAIS	3669788	Bliss	45-41-13.999N	084-53-57.998W
NAIS	3669799	Eagle Harbor	47-22-11.399N	088-11-02.501W
NAIS	3669796	Grand Marais	46-38-29.000N	085-59-35.999W
NAIS	3669183	Gulliver	46-03-26.000N	085-58-42.000W
NAIS	3669792	Larsmont	47-00-17.540N	091-45-54.970W
NAIS	3669795	Maple Hill	47-47-42.000N	090-19-43.000W
NAIS	3669798	Marquette	41-38-13.190N	083-22-01.460W
NAIS	3669789	Porcupine Mountain	46-48-45.202N	089-40-08.000W
NAIS	3669135	Cape Mendocino	40-26-31.499N	124-23-46.788W
NAIS	3669136	Point Arena	38-53-52.800N	123-37-52.788W
NAIS	3669137	Walker Ridge	41-05-57.682N	124-07-36.624W
NAIS	3669138	Cambria	35-31-06.701N	121-03-35.784W
NAIS	3669139	Catalina Island	33-22-46.402N	118-24-58.896W
NAIS	3669140	Honda Ridge	34-35-17.498N	120-36-20.016W
NAIS	3669141	Laguna Peak	34-06-26.302N	119-03-54.000W
NAIS	3669184	San Nicolas Island	33-14-22.000N	119-30-18.100W
NAIS	3669142	Point Loma	32-40-13.400N	117-14-24.900W
NAIS	3669185	San Clemente Island	32-53-29.500N	118-27-33.900W
NAIS	3669186	San Onofre Peak	33-21-43.800N	117-29-45.800W
NAIS	3669187	Bush Bluff	37-08-08.260N	122-11-47.800W
NAIS	3669143	Eagle Rock	37-08-08.491N	122-11-46.932W
NAIS	3669145	Presidio	37-47-39.458N	122-27-53.064W
NAIS	3669144	Post Ranch	36-13-44.339N	121-46-05.041W
NAIS	3669188	Pittsburg	37-58-09.000N	121-54-15.000W
NAIS	3669146	Walnut Grove	38-14-22.900N	121-30-05.970W
NAIS	3669147	Elkhorn Mountain	45-44-21.901N	122-22-20.892W
NAIS	3669148	Kelso Notch	46-09-49.460N	122-51-09.576W
NAIS	3669149	Megler Mountain	46-15-43.999N	123-53-18.312W
NAIS	3669150	Rogue River	42-26-24.170N	124-25-02.200W
NAIS	3669189	Seven Devils	43-16-27.000N	124-22-12.000W

NAIS	3669152	Gold Mountain	47-32-55.930N	122-47-07.440W
NAIS	3669153	Mount Erie	48-27-14.290N	122-37-34.300W
NAIS	3669154	Seattle	47-36-56.999N	122-18-32.004W
NAIS	3669190	Merizo	13-16-51.400N	144-40-26.400E
NAIS	3669155	Mount Alutom	13-25-58.501N	144-42-45.299E
NAIS	3669156	Kawela	21-39-53.750N	158-00-00.910W
NAIS	3669157	Mauna Kapu	21-24-12.630N	158-05-52.640W
NAIS	3669158	Anchorage	61-16-09.420N	149-38-19.000W
NAIS	3669194	Haleakala	20-42-26.3N	156-15-31.2W
NAIS	3669158	Valdez	61-07-34.82N	146-20-13.68W
NAIS	3669161	Juneau	58-18-06.55N	134-25-12.86W
LOMA	993660873	Aberdeen L&D	33-49-48.450N	88-31-12.990W
LOMA	993660716	Allegheny L&D 2	40-29-16.080N	79-54-58.752W
LOMA	993660723	Allegheny L&D 3	40-32-9.996N	79-48-57.960W
LOMA	3660717	Allegheny L&D 4	40-36-49.464N	79-43-10.272W
LOMA	993660874	Amory L&D	34-0-39.996N	88-29-18.960W
LOMA	993660738	Bankhead L&D (John Hollis)	33-27-11.052N	87-21-27.072W
LOMA	3660881	Bevill, Tom L&D	32-12-37.008N	88-17-13.992W
LOMA	993660668	Braddock, Monongahela R L&D 2	40-23-32.568N	79-51-34.452W
LOMA	993660686	Brandon Road L&D	41-30-12.600N	88-6-12.168W
LOMA	993661106	Brickeys	38-4-30.000N	90-13-23.988W
LOMA	993660555	Cannelton L&D	37-53-58.884N	86-42-22.968W
LOMA	993661112	Caruthersville	36-11-35.016N	89-40-39.972W
LOMA	993660654	Chain of Rocks L&D (Lock 27)	38-42-10.584N	90-10-49.692W
LOMA	993660885	Chouteau L&D (17)	35-51-25.992N	95-22-14.988W
LOMA	993660883	Coffeerville L&D	31-45-23.076N	88-7-42.672W
LOMA	3660704	Columbia L&D	32-10-0.588N	92-6-36.720W
LOMA	3660638	Dardanelle L&D (#10)	35-15-0.360N	93-10-4.908W
LOMA	3660670	Dashields L&D	40-32-55.752N	80-12-23.868W
LOMA	993660884	Demopolis L&D	32-31-9.660N	87-52-46.992W
LOMA	3660682	Dresden L&D	41-23-51.720N	88-16-56.172W
LOMA	3660727	Emmett Sanders L&D	34-14-50.064N	91-54-20.412W
LOMA	3660683	Emsworth L&D	40-30-18.000N	80-5-18.708W
LOMA	3660744	Ensley Engineering Yard	35-4-12.011N	90-7-21.396W
LOMA	993661113	ERDC CHL TEST	32-17-59.755N	90-51-57.694W
LOMA	3660710	Felsenthal L&D	33-3-34.560N	92-7-22.332W
LOMA	993661107	Florence	39-37-57.904N	90-36-27.677W
LOMA	3660657	Fort Loudoun L&D	35-47-22.560N	84-14-30.120W
LOMA	3660875	Fulton L&D	34-15-27.396N	88-25-26.544W
LOMA	993660855	Gasconade	38-39-51.696N	91-32-21.696W
LOMA	3661113	Glasgow	39-14-27.852N	92-47-18.384W
LOMA	993661110	Grand Tower	37-39-28.872N	89-30-45.108W

LOMA	993661110	Grand Tower	37-39-28.872N	89-30-45.108W
LOMA	3660848	Gray's Landing L&D	39-49-28.956N	79-55-13.656W
LOMA	993661111	Grays Point	37-14-58.812N	89-27-50.303W
LOMA	993661104	Greenville Bridge	33-17-8.117N	91-9-21.157W
LOMA	993660739	Holt L&D	33-15-11.124N	87-26-57.228W
LOMA	3660877	Howell Heflin L&D	32-50-13.344N	88-8-10.392W
LOMA	3660728	James W. Trimble L&D (13)	35-20-54.744N	94-17-52.908W
LOMA	3660729	Joe Hardin L&D (3)	34-9-50.004N	91-40-40.728W
LOMA	3660712	John H. Overton L&D	31-11-16.152N	92-17-32.820W
LOMA	3660856	John T. Myers L&D	37-47-41.640N	87-59-33.108W
LOMA	3660713	Jonesville L&D	31-28-58.512N	91-51-37.188W
LOMA	3660842	Kaskaskia River Nav. L&D	37-59-3.012N	89-56-47.256W
LOMA	101135	KNOXVILLE - TVA	35-57-58.032N	83-55-14.088W
LOMA	3660687	La Grange L&D	39-56-28.284N	90-32-5.208W
LOMA	100553	Lexington	39-9-29.844N	93-54-44.244W
LOMA	3660714	Lindy Claiborne Boggs L&D	31-15-14.591N	91-57-32.544W
LOMA	3660701	Lockport L&D	41-34-6.402N	88-4-37.618W
LOMA	3660859	Markland L&D	38-46-27.642N	84-57-58.032W
LOMA	3660650	Marmet L&D	38-15-17.646N	81-33-57.222W
LOMA	3660702	Marseilles L&D	41-19-42.031N	88-45-11.880W
LOMA	993661101	Maxwell L&D	40-0-4.176N	79-57-39.924W
LOMA	993660725	Maynard, Col. Charles D. L&D (5)	34-24-46.908N	92-6-4.212W
LOMA	3660860	McAlpine L&D	38-16-44.562N	85-47-28.464W
LOMA	993660647	Meldahl, Captain Anthony L&D	38-47-50.424N	84-10-21.108W
LOMA	3660684	Melvin Price L&D	38-52-16.061N	90-9-5.940W
LOMA	3660673	Mississippi L&D 10	42-47-9.708N	91-5-45.359W
LOMA	3660688	Mississippi L&D 11	42-32-26.808N	90-38-33.180W
LOMA	3660689	Mississippi L&D 12	42-15-38.874N	90-25-22.559W
LOMA	3660690	Mississippi L&D 13	41-53-51.912N	90-9-15.959W
LOMA	3660691	Mississippi L&D 14	41-34-25.398N	90-24-11.819W
LOMA	3660692	Mississippi L&D 15	41-31-3.228N	90-33-48.838W
LOMA	3660693	Mississippi L&D 16	41-25-29.940N	91-0-35.100W
LOMA	3660694	Mississippi L&D 17	41-11-32.688N	91-3-26.158W
LOMA	3660695	Mississippi L&D 18	40-52-54.504N	91-1-25.198W
LOMA	3660696	Mississippi L&D 19	40-23-48.192N	91-22-29.460W
LOMA	3660674	Mississippi L&D 2	44-45-35.868N	92-52-9.358W
LOMA	3660697	Mississippi L&D 20	40-8-38.376N	91-30-56.459W
LOMA	3660698	Mississippi L&D 21	39-54-11.772N	91-25-43.079W
LOMA	3660554	Mississippi L&D 22	39-38-9.624N	91-14-58.618W
LOMA	3660699	Mississippi L&D 24	39-22-25.530N	90-54-22.619W
LOMA	3660700	Mississippi L&D 25	39-0-11.388N	90-41-22.258W
LOMA	3660846	Mississippi L&D 3	44-36-35.838N	92-36-39.298W
LOMA	3660675	Mississippi L&D 4	44-19-33.600N	91-55-8.278W

LOMA	3660676	Mississippi L&D 5	44-9-36.792N	91-48-46.019W
LOMA	3660677	Mississippi L&D 6	44-0-1.326N	91-26-15.180W
LOMA	3660678	Mississippi L&D 7	43-51-57.726N	91-18-36.299W
LOMA	3660679	Mississippi L&D 8	43-34-15.120N	91-13-46.319W
LOMA	993660680	Mississippi L&D 9	43-12-42.708N	91-5-54.298W
LOMA	3660850	Monongahela R L&D 3	40-15-50.268N	79-53-56.699W
LOMA	3660851	Monongahela R L&D 4 (Charleroi)	40-8-49.986N	79-53-56.159W
LOMA	3660861	Montgomery L&D (OH)	40-38-52.710N	80-23-6.958W
LOMA	3660890	Montgomery Point L&D	33-56-42.048N	91-5-15.058W
LOMA	3660643	Murray L&D (7)	34-47-26.292N	92-21-30.240W
LOMA	3660556	MVD Test Site	32-20-55.194N	90-52-53.220W
LOMA	3660862	New Cumberland L&D	40-31-32.928N	80-37-41.340W
LOMA	3660863	Newburgh L&D	37-55-56.034N	87-22-26.098W
LOMA	3660886	Newt Graham L&D (18)	36-3-33.000N	95-32-10.979W
LOMA	3660730	Norrell L&D (1)	34-1-11.988N	91-11-43.019W
LOMA	3660706	Old Hickory L&D	36-17-43.998N	86-39-23.998W
LOMA	993660740	Oliver L&D (William Bacon)	33-12-36.876N	87-35-36.240W
LOMA	3660858	Olmsted L&D	37-11-0.918N	89-3-49.799W
LOMA	993660642	Ormond, Arthur L&D (9)	35-7-27.264N	92-47-8.268W
LOMA	3660641	Ozark L&D (#11)	35-28-18.582N	93-48-44.338W
LOMA	3660703	Peoria L&D	40-37-55.626N	89-37-27.480W
LOMA	993661108	Pere Marquette	38-59-50.788N	90-31-3.104W
LOMA	3660854	Point Marion L&D	39-43-41.243N	79-54-44.748W
LOMA	830361	Port of Decatur	34-37-12.342N	86-59-15.709W
LOMA	93661108	Prices Landing	37-1-33.384N	89-21-23.184W
LOMA	3660731	R. S. Kerr Lake L&D (15)	35-20-52.998N	94-46-43.979W
LOMA	0	Red Bud	38-11-20.544N	89-53-25.260W
LOMA	3660669	Red River L&D 3	31-31-18.036N	92-43-39.000W
LOMA	3660715	Russell B. Long L&D (L&D 4)	31-56-23.111N	93-16-13.966W
LOMA	993660741	Selden L&D	32-46-29.359N	87-49-50.520W
LOMA	3660865	Smithland L&D	37-9-59.216N	88-25-41.506W
LOMA	3660872	St. Mary's (Soo Locks)	46-30-9.529N	84-20-56.314W
LOMA	3660738	Starved Rock L&D	41-19-28.782N	88-59-7.980W
LOMA	3660878	Stennis John C. L&D	33-31-3.828N	88-29-22.488W
LOMA	3660726	Terry, David D. L&D (6)	34-39-58.272N	92-9-20.999W
LOMA	3660661	Thatcher L&D	33-18-23.568N	92-29-0.060W
LOMA	3660667	Thomas J. Obrien L&D	41-39-5.724N	87-34-3.000W
LOMA	3660732	Toad Suck Ferry L&D (#8)	35-4-34.998N	92-32-21.959W
LOMA	993660845	Trailer #1	32-17-56.400N	90-51-55.080W
LOMA	3660870	USACE AREC	38-35-25.800N	90-12-21.960W
LOMA	993661103	Vicksburg Bridge	32-18-52.312N	90-54-27.360W
LOMA	3660733	W. D. Mayo L&D (14)	35-18-52.998N	94-33-34.978W

LOMA	3660658	Wheeler Gen Joe L&D	34-48-50.724N	87-22-59.412W
LOMA	3660882	Whitten, Jamie L&D	34-31-18.768N	88-19-24.420W
LOMA	3660891	Wilbur D. Mills L&D (2)	34-1-35.166N	91-14-48.538W
LOMA	3660709	Wilson L&D	34-48-17.106N	87-37-40.620W
LOMA	993660645	Ballard L&D (Chittenden)	47-39-55.872N	122-23-49.128W
LOMA	993660644	Barkley L&D	37-1-9.120N	88-13-29.928W
LOMA	993660646	Belleville L&D	39-7-1.056N	81-44-34.188W
LOMA	993660737	Black Rock L&D	42-56-2.112N	78-54-18.360W
LOMA	993660557	Bonneville L&D	45-38-13.092N	121-56-58.812W
LOMA	993660835	Brazos East & West L&D	28-53-46.986N	95-23-17.642W
LOMA	993660655	Cheatham L&D	36-19-14.988N	87-13-18.948W
LOMA	993660656	Chickamauga L&D	35-6-21.708N	85-13-41.232W
LOMA	993660836	Colorado River East & West L&D	28-41-2.004N	95-58-24.960W
LOMA	993660838	Green River L&D 1	37-51-33.084N	87-24-31.068W
LOMA	993660648	Greenup L&D	38-38-52.620N	82-51-40.212W
LOMA	993660659	Guntersville L&D	34-25-35.256N	86-23-29.472W
LOMA	3660855	Hannibal L&D	39-39-54.900N	80-51-57.060W
LOMA	993660662	Ice Harbor L&D	46-15-3.744N	118-52-50.880W
LOMA	993660660	Kentucky L&D	37-0-54.972N	88-15-55.548W
LOMA	993660663	Little Goose L&D	46-34-55.732N	118-1-39.648W
LOMA	993660649	London L&D	38-11-37.296N	81-22-6.359W
LOMA	993660664	Lower Granite L&D	46-39-36.564N	117-25-42.060W
LOMA	993660665	Lower Monumental L&D	46-33-51.012N	118-32-24.180W
LOMA	993660666	McNary L&D	45-56-26.304N	119-17-58.416W
LOMA	993660672	Mississippi L&D 1	44-54-50.658N	93-12-8.280W
LOMA	993660705	Nickajack L&D	35-0-19.668N	85-37-9.178W
LOMA	993660707	Pickwick Landing L&D	35-3-53.286N	88-15-1.559W
LOMA	993660864	Pike Island L&D	40-8-52.866N	80-42-4.799W
LOMA	993660685	Racine L&D	38-55-6.162N	81-54-40.558W
LOMA	993660651	Robert C Byrd L&D	38-40-58.002N	82-11-4.978W
LOMA	993660753	The Dalles L&D	45-36-56.556N	121-8-15.360W
LOMA	993660708	Watts Bar L&D	35-37-19.998N	84-46-45.959W
LOMA	993660652	Willow Island L&D	39-21-36.870N	81-19-17.638W
LOMA	993660653	Winfield L&D	38-31-39.966N	81-54-55.199W
LOMA	3660879	G.V. ""Sonny"" Montgomery L&D (TT)	34-31-18.840N	88-19-24.240W
LOMA	3660876	Glover Wilkins L&D	34-3-53.536N	88-25-33.118W
LOMA	3660839	Green River L&D 2	37-31-54.084N	87-15-55.188W

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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>ILE ST. REGIS TO/A CROIL ISLANDS (Chart 1433)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
5	- Lighted Buoy 1	45-00-13.875N 074-40-05.688W	FI G 4s			Green.	Spar; winter marker.  Aid maintained by S.L.S.D.C.
10	- LIGHT 2 (C)	45-00-12.035N 074-40-30.018W	Q R	40 12		White circular tower, red top.	Seasonal.
15	- Lighted Buoy 3	44-59-57.615N 074-40-28.278W	Q G			Green.	Year Round Lighted Buoy Aid maintained by S.L.S.D.C.
20	- LIGHT 4 (C)	45-00-06.035N 074-41-00.018W	FI R 4s	40 12		White circular tower, red top.	Seasonal.
25	- Lighted Buoy 5	44-59-53.735N 074-40-58.418W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
30	- Lighted Buoy 5A	44-59-56.135N 074-41-21.818W	FI G 4s			Green.	Winter marker. Aid maintained by S.L.S.D.C.
35	- Lighted Buoy 5B	44-59-58.435N 074-41-44.718W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
40	- Lighted Buoy 6	45-00-00.435N 074-41-20.818W	FI R 4s			Red.	Winter marker. Aid maintained by S.L.S.D.C.
45	- Lighted Buoy 6A	45-00-02.835N 074-41-43.718W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
50	- Lighted Buoy 7	45-00-00.735N 074-42-07.318W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
55	- Lighted Buoy 8	45-00-05.135N 074-42-06.618W	FI R 4s			Red.	Spar; winter marker. Aid maintained by S.L.S.D.C.
60	- Lighted Buoy 9	44-59-58.935N 074-42-38.718W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
65	- LIGHT 10 SECTOR (C)	45-00-06.035N 074-42-54.018W	F W (R & G Sectors)	54 16		White skeleton tower on pile crib with orange triangular daymark.	Red 276° to 277.8°; white 277.8° to 279.3°; green 279.3° to 281°. White sector indicates preferred channel. Seasonal.
66	- LIGHT 10 DIRECTION (C)	45-00-06.035N 074-42-54.018W	F R	51 16		White skeleton tower on pile crib with orange triangular daymark.	Visible from 044.5° to 051.5°. Increased intensity on a bearing of 048°. Seasonal.
70	- LIGHT 11	44-59-48.035N 074-43-06.018W	FI G 2.5s	28 9		SG on pile.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
75	- LIGHT 13	44-59-36.035N 074-43-24.018W	FI G 4s	28 9		SG on pile.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
80	- Lighted Buoy 14	44-59-25.435N 074-44-19.218W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
85	- Lighted Buoy 15	44-59-23.635N 074-43-42.418W	Q G			Green.	Aid maintained by S.L.S.D.C.
90	Aluminum Foundry Water Intake Buoy	44-59-21.000N 074-44-02.000W				Yellow.	Private aid.
95	- Lighted Buoy 16	44-59-27.135N 074-45-25.618W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
100	- Lighted Buoy 17	44-59-16.535N 074-45-16.318W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>ILE ST. REGIS TO/A CROIL ISLANDS (Chart 1433)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
105	POLLY'S GUT TRAINING DIKE EAST END LIGHT A	44-59-27.635N 074-45-46.218W	Q Y	15 5		On white pile.	Aid maintained by S.L.S.D.C.
110	POLLY'S GUT TRAINING DIKE WEST END LIGHT B	44-59-27.635N 074-45-46.218W	Q Y	6 2		On box.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
115	POLLY'S GUT TRAINING DIKE A LIGHT C	44-59-30.035N 074-45-48.018W	Q Y	15 5		On white pile.	Aid maintained by S.L.S.D.C.
125	- Buoy 19	44-59-14.935N 074-46-00.318W				Green can.	Aid maintained by S.L.S.D.C.
130	- LIGHT 20	44-59-24.535N 074-45-59.918W	F R	28 9		TR on wall.	Aid maintained by S.L.S.D.C.
145	- LIGHT 24	44-59-13.935N 074-47-10.218W	F R	28 9		TR on wall.	Aid maintained by S.L.S.D.C.
150	- LIGHT 25 About 75 feet outside channel limit.	44-59-08.435N 074-47-09.318W	FI G 2.5s	28 9		SG on pile.	Aid maintained by S.L.S.D.C.
155	- <i>Lighted Buoy 26</i>	44-59-10.625N 074-47-35.668W	FI R 4s			Red	Aid Maintained by SLSDC
160	- MOORING CELLS LIGHT A	44-59-05.235N 074-47-44.318W	F Y	15 5			Aid maintained by S.L.S.D.C.
165	- MOORING CELLS LIGHT B	44-59-04.335N 074-47-53.018W	F Y	15 5			Aid maintained by S.L.S.D.C.
170	- LIGHT 28 About 63 feet outside channel limit.	44-59-05.735N 074-48-31.118W	FI R 4s	28 9		TR on pile.	Aid maintained by S.L.S.D.C.
175	- LIGHT 29 About 73 feet outside channel limit.	44-59-00.635N 074-48-29.718W	FI G 4s	28 9		SG on pile.	Aid maintained by S.L.S.D.C.
180	- LIGHT 30 About 50 feet outside channel limit.	44-58-58.935N 074-49-24.318W	FI R 2.5s	28 9		TR on pile.	Aid maintained by S.L.S.D.C.
185	- LIGHT 31	44-58-53.935N 074-49-23.118W	FI G 2.5s	28 9		SG on cell.	Aid maintained by S.L.S.D.C.
190	- MOORING CELLS LIGHT C	44-58-52.935N 074-49-31.718W	F Y	15 5			Aid maintained by S.L.S.D.C.
195	- <i>Lighted Buoy 32</i>	44-58-53.535N 074-50-02.718W	FI R 4s			Red.	Year Round Lighted Buoy Aid maintained by S.L.S.D.C.
205	- <i>Lighted Buoy 33</i>	44-58-47.435N 074-50-15.618W	FI G 4s			Green.	Year round lighted buoy. Aid maintained by S.L.S.D.C.
210	- LIGHT 34	44-58-54.035N 074-50-30.018W	F R	28 9		TR on wall.	Aid maintained by S.L.S.D.C.
225	- LIGHT 38	44-58-43.935N 074-51-35.218W	F R	28 9		TR on wall.	Aid maintained by S.L.S.D.C.
235	- <i>Lighted Buoy 39</i>	44-58-36.835N 074-51-41.918W	FI G 4s			Green.	Year Round Lighted Buoy Aid maintained by S.L.S.D.C.
240	- <i>Lighted Buoy 40</i>	44-58-40.035N 074-51-55.018W	FI R 4s			Red.	Year Round Lighted Buoy Aid maintained by S.L.S.D.C.
245	- MOORING CELLS LIGHT D	44-58-25.435N 074-52-51.918W	F Y	15 5			Aid maintained by S.L.S.D.C.
250	- LIGHT 41		FI G 2.5s	28 9		SG on pile.	Aid maintained by S.L.S.D.C.
255	- LIGHT 42 About 55 feet outside channel limit.	44-58-29.035N 074-53-02.018W	FI R 2.5s	28 9		TR on pile.	Aid maintained by S.L.S.D.C.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>ILE ST. REGIS TO/A CROIL ISLANDS (Chart 1433)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
260	- LIGHT 43 About 55 feet outside channel limit.	44-58-16.135N 074-53-44.418W	FI G 4s	28 9		SG on pile.	Aid maintained by S.L.S.D.C.
265	- LIGHT 44 About 50 feet outside channel limit.	44-58-21.835N 074-53-46.318W	FI R 4s	28 9		TR on pile.	Aid maintained by S.L.S.D.C.
270	- LIGHT 45 About 75 feet outside channel limit.	44-58-07.335N 074-54-37.518W	FI G 2.5s	28 9		SG on pile.	Aid maintained by S.L.S.D.C.
275	- LIGHT 46 About 55 feet outside channel limit.	44-58-13.035N 074-54-39.418W	FI R 2.5s	28 9		TR on pile.	Aid maintained by S.L.S.D.C.
280	- <i>Lighted Buoy 46A</i>	44-58-07.135N 074-55-10.218W	FI R 4s			Red.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
285	- LIGHT 47	44-57-54.035N 074-55-42.018W	FI G 4s	28 9		SG on cell.	Maintained from Apr. 15 to Dec. 15. Aid maintained by S.L.S.D.C.
290	- LIGHT 48 About 50 feet outside channel limit.	44-58-02.035N 074-55-45.278W	FI R 4s	28 9		TR on pile.	Aid maintained by S.L.S.D.C.
295	- <i>Lighted Buoy 48A</i>	44-57-56.735N 074-56-12.118W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
300	- <i>Lighted Buoy 49</i>	44-57-49.435N 074-56-28.818W	FI G 4s			Green.	Winter marker. Aid maintained by S.L.S.D.C.
305	- <i>Lighted Buoy 50</i>	44-57-50.035N 074-56-51.418W	FI R 4s			Red.	Year Round Lighted Buoy Aid maintained by S.L.S.D.C.
310	- LIGHT 51	44-57-38.235N 074-57-32.418W	FI G 4s	28 9		SG on tower.	Aid maintained by S.L.S.D.C.
315	- <i>Lighted Buoy 52</i>	44-57-42.435N 074-57-39.218W	FI R 4s			Red.	Winter marker. Aid maintained by S.L.S.D.C.
320	- LIGHT 54	44-57-40.635N 074-57-52.218W	FI R 2.5s	28 9		TR on pile.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
325	- LIGHT 55 About 60 feet outside channel limit.	44-57-30.035N 074-58-06.018W	FI G 2.5s	28 9		SG on pile.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
330	- <i>Lighted Buoy 56</i>	44-57-38.335N 074-58-02.118W	FI R 4s			Red.	Winter marker.  Aid maintained by S.L.S.D.C.
<b>CROIL ISLAND TO/A CARDINAL (Chart 1434)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
335	- LIGHT 57 About 125 feet outside channel limit.		Q G	30 9		SG on tower on cell.	Aid maintained by S.L.S.D.C.
<b>Lake St. Lawrence Yacht Club Channel</b>							
<i>Buoys maintained from May 1 to Oct. 1.</i>							
336.1	- Buoy 1	44-56-31.000N 074-59-57.094W				Green can.	Private aid.
336.15	- Buoy 2	44-56-32.068N 074-59-58.052W				Red nun.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>CROIL ISLAND TO/A CARDINAL (Chart 1434)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
<b>Lake St. Lawrence Yacht Club Channel</b>							
<i>Buoys maintained from May 1 to Oct. 1.</i>							
336.2	- Buoy 3	44-56-26.000N 074-59-56.099W				Green can.	Private aid.
336.25	- Buoy 4	44-56-24.068N 074-59-56.055W				Red nun.	Private aid.
336.3	- Buoy 5	44-56-21.000N 074-59-59.021W				Green can.	Private aid.
336.35	- Buoy 6	44-56-20.710N 075-00-00.034W				Red nun.	Private aid.
336.4	- Buoy 7	44-56-20.029N 074-59-57.057W				Green can.	Private aid.
336.45	- Buoy 8	44-56-18.008N 074-59-59.018W				Red nun.	Private aid.
336.5	- Buoy 9	44-56-20.350N 074-59-54.670W				Green can.	Private aid.
336.55	- Buoy 10	44-56-21.019N 074-59-56.090W				Red nun.	Private aid.
336.6	- Buoy 11	44-56-20.270N 074-59-52.870W				Green can.	Private aid.
336.65	- Buoy 12	44-56-21.005N 074-59-54.350W				Red nun.	Private aid.
340	- LIGHT 58 About 175 feet outside channel limit.	44-57-04.435N 075-00-22.018W	FIR 4s	28 9		TR on tower on cell.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
345	CAT ISLAND LEADING LIGHT	44-57-12.035N 075-00-24.018W	F W			NB on cells.	Visible 4° each side of 257.4° Aid maintained by S.L.S.D.C.
350	- Lighted Buoy 60 Marks shoal.	44-56-56.935N 075-00-30.818W	Q R			Red.	Winter marker. Aid maintained by S.L.S.D.C.
<b>Wilson Hill Small Boat Channel</b>							
<i>Buoys maintained from Apr. 30 to Sep. 30.</i>							
351	- Buoy 1	44-56-24.410N 075-00-31.065W				Green can.	Private aid.
351.05	- Buoy 2	44-56-23.042N 075-00-37.072W				Red nun.	Private aid.
351.1	- Buoy 3	44-56-13.000N 075-00-31.000W				Green can.	Private aid.
351.15	- Buoy 4	44-56-13.078N 075-00-32.000W				Red nun.	Private aid.
351.2	- Buoy 5	44-56-08.069N 075-00-28.078W				Green can.	Private aid.
351.25	- Buoy 6	44-56-10.000N 075-00-33.310W				Red nun.	Private aid.
351.3	- Buoy 7	44-56-00.000N 075-00-26.000W				Green can.	Private aid.
351.35	- Buoy 8	44-56-03.240N 075-00-27.004W				Red nun.	Private aid.
351.4	- Buoy 9	44-55-58.058N 075-00-36.062W				Green can.	Private aid.
351.45	- Buoy 10	44-56-00.021N 075-00-36.032W				Red nun.	Private aid.
351.5	- Buoy 11	44-55-50.079N 075-00-41.062W				Green can.	Private aid.
351.55	- Buoy 12	44-55-51.000N 075-00-42.000W				Red nun.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>CROIL ISLAND TO/A CARDINAL (Chart 1434)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
355	- Lighted Buoy 61	44-56-31.735N 075-01-21.318W	FI G 4s			Green.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
360	WILSON HILL RANGE FRONT LIGHT	44-57-00.035N 074-59-42.018W	F G	28 9		Orange triangular daymark with black stripes on square tower.	Aid maintained by S.L.S.D.C.
365	WILSON HILL RANGE REAR LIGHT 1,500 feet, 068.7° from front light.		F G	58 18		Orange triangular daymark with black stripes on square tower.	Aid maintained by S.L.S.D.C.
370	- Lighted Buoy 63	44-56-22.135N 075-01-55.818W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
375	Weaver Shoal Anchorage Area E Lighted Buoy XA (C)	44-56-54.035N 075-01-54.018W	FI Y 4s			Yellow.	Seasonal.
380	Weaver Shoal Anchorage Area W Lighted Buoy XC (C)	44-56-30.035N 075-03-24.018W	FI Y 4s			Yellow.	Seasonal.
385	- Lighted Buoy 67	44-55-50.535N 075-03-45.318W	FI G 4s			Green.	Winter marker. Aid maintained by S.L.S.D.C.
390	- LIGHT 68 (C) Marks Weaver Shoal.	44-55-54.035N 074-04-06.017W	Q R	45 14		White circular tower.	
395	- LIGHT 70 (C)	44-55-48.035N 075-04-48.018W	FI R 4s	29 9		White circular tower with red top.	Seasonal.
400	- LIGHT 71	44-55-30.535N 075-04-54.518W	FI G 4s	23 7		SG on pile.	Aid maintained by S.L.S.D.C.
410	- Lighted Buoy 72 (C)	44-55-48.035N 075-05-30.018W	Q R			Red.	Seasonal.
415	- LIGHT 73	44-55-33.535N 075-05-43.118W	FI G 2.5s	30 9		SG on tower on cell.	RACON: M ( - - ) Aid maintained by S.L.S.D.C.
420	- Lighted Buoy 74 (C)	44-55-24.035N 075-06-36.018W	FI R 4s			Red.	Seasonal.
425	DORAN SHOAL RANGE FRONT LIGHT (C)	44-56-00.035N 075-06-48.018W	F Y	33 10		Orange triangular daymark with black stripes on skeleton tower.	Seasonal.
430	DORAN SHOAL RANGE REAR LIGHT (C) 1,225 feet, 040.2° from front light.		F Y	56 17		Orange triangular daymark with black stripes on skeleton tower.	Seasonal.
<b>Coles Creek Channel</b>							
<i>These private aids best mark the channel and may shift as channel conditions warrant. Maintained from Apr. 30 to Sept. 30.</i>							
435	- Lighted Buoy 1	44-54-15.000N 075-06-44.000W	FI G 4s			Green.	Private aid.
440	- Lighted Buoy 2	44-54-09.500N 075-06-55.000W	FI R 4s			Red.	Private aid.
445	- Lighted Buoy 3	44-53-52.000N 075-06-47.000W	FI G 4s			Green.	Private aid.
450	- Lighted Buoy 4	44-53-44.000N 075-06-57.500W	FI R 4s			Red.	Private aid.
455	- Lighted Buoy 5	44-53-34.000N 075-06-51.000W	FI G 4s			Green.	Private aid.
460	- Lighted Buoy 6	44-53-34.500N 075-07-01.000W	FI R 4s			Red.	Private aid.
465	- Lighted Buoy 7	44-53-24.500N 075-06-59.000W	FI G 4s			Green.	Private aid.
470	- Lighted Buoy 8	44-53-27.000N 075-07-01.500W	FI R 4s			Red.	Private aid.
475	- Lighted Buoy 9	44-53-23.000N 075-07-05.000W	FI G 4s			Green.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>CROIL ISLAND TO/A CARDINAL (Chart 1434)(C)</b>							
<b>Coles Creek Channel</b>							
<i>These private aids best mark the channel and may shift as channel conditions warrant. Maintained from Apr. 30 to Sept. 30.</i>							
480	- Lighted Buoy 10	44-53-27.000N 075-07-04.500W	FI R 4s			Red.	Private aid.
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
485	- LIGHT 75 About 100 feet outside channel limit.	44-55-10.635N 075-06-59.318W	FI G 4s	30 9		SG on tower on cell.	Aid maintained by S.L.S.D.C.
490	- Lighted Buoy 77	44-55-04.835N 075-07-34.018W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
495	WEAVER SHOAL RANGE FRONT LIGHT (C)	44-55-30.035N 075-07-54.018W	F W	33 10		White triangular daymark with black stripe on skeleton tower.	Seasonal.
500	WEAVER SHOAL RANGE REAR LIGHT (C) 1,520 feet, 262° from front light.		F W	56 17		White inverted triangular daymark with black stripe on skeleton tower.	Seasonal.
505	- Lighted Buoy 78 (C)		Q R			Red.	Seasonal.
510	- LIGHT 79 About 70 feet outside channel limit.	44-54-50.135N 075-08-01.318W	Q G	30 9		SG on tower on cell.	Aid maintained by S.L.S.D.C.
515	GOOSE NECK ISLAND SHOALS RANGE FRONT LIGHT (C)	44-54-54.035N 075-08-48.018W	F R	33 10		Orange triangular daymark with black stripes on skeleton tower.	Seasonal.
520	GOOSE NECK ISLAND SHOALS RANGE REAR LIGHT (C) 470 feet, 255° from front light.		F R	45 14		Orange inverted daymark with black stripes on skeleton tower.	Seasonal.
530	- LIGHT 81 (C) Marks Doran Shoal.	44-54-00.035N 075-09-00.018W	Q G	37 11		White circular tower with green band at top.	Seasonal.
535	- LIGHT 82 (C) About 150 feet outside channel limits.	44-54-06.035N 075-09-12.018W	FI R 4s	29 9		White circular tower with red top.	Seasonal.
540	- Lighted Buoy 84 (C)	44-53-48.035N 075-09-42.018W	FI R 4s			Red.	Seasonal.
550	- LIGHT 85		FI G 4s	10 3		SG on tower on cell.	Maintained from Apr. 15 to Dec. 15. Aid maintained by S.L.S.D.C.
555	- Lighted Buoy 86 (C)	44-53-12.035N 075-11-00.018W	FI R 4s			Red.	Seasonal.
560	Canada Island Anchorage Area N Lighted Buoy XJ (C)	44-53-36.035N 075-10-30.018W	FI Y 4s			Yellow.	Seasonal.
565	- Lighted Buoy 87	44-53-19.935N 075-10-28.118W	FI G 4s			Green.	Winter marker. Aid maintained by S.L.S.D.C.
570	- Lighted Buoy 88 (C)	44-53-06.035N 075-11-24.018W	FI R 4s			Red.	
575	- Lighted Buoy 89 Marks northwest side of Clark Island Shoal.	44-53-00.235N 075-11-10.918W	FI G 4s			Green.	Can Winter Mark Aid maintained by S.L.S.D.C.
580	OGDEN ISLAND RANGE FRONT LIGHT	44-52-48.035N 075-11-42.018W	F G	28 9		Orange triangular daymark with black stripes on skeleton tower on cell.	Aid maintained by S.L.S.D.C.
585	OGDEN ISLAND RANGE REAR LIGHT 950 feet, 237.3° from front light.		F G	52 16		Orange triangular daymark with black stripes on square tower.	Aid maintained by S.L.S.D.C.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>CROIL ISLAND TO/A CARDINAL (Chart 1434)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
590	- Lighted Buoy 91	44-52-54.535N 075-11-40.318W	FI G 4s			Green.	Can Winter Mark Aid maintained by S.L.S.D.C.
595	- LIGHT 92 (C)	44-52-54.035N 075-12-12.018W	FI R 4s	36 11		White circular tower with red top.	Seasonal.
600	MARIATOWN RANGE FRONT LIGHT (C)	44-53-00.035N 075-12-36.018W	F G	33 10		Orange triangular daymark with black stripes on white skeleton tower.	Seasonal.
605	MARIATOWN RANGE REAR LIGHT (C) 443 feet, 057° from front light.		F G	47 14		Orange inverted triangular daymark with black stripes on white skeleton tower.	Seasonal.
610	- Lighted Buoy 92A (C)	44-52-48.035N 075-12-36.018W	FI R 4s			Red.	Seasonal.
615	- Lighted Buoy 93	44-52-37.335N 075-13-03.418W	FI G 4s			Green.	Year Round Lighted Buoy Aid maintained by S.L.S.D.C.
620	- Lighted Buoy 94 (C)		Q R			Red.	Seasonal.
625	- Lighted Buoy 95 (C)	44-52-30.035N 075-13-24.018W	FI G 4s			Green.	Seasonal.
630	- LIGHT 96 (C)		FI R 4s	27 8	7	White circular tower with red top.	Seasonal.
635	MARIATOWN APPROACH RANGE FRONT LIGHT (C)	44-52-36.035N 075-13-42.018W	F R	38 12		Orange triangular daymark with black stripe on white skeleton tower.	
640	MARIATOWN APPROACH RANGE REAR LIGHT (C) 500 feet, 255.4° from front light.		F R	53 16		Orange triangular daymark with black stripe on white skeleton tower.	Seasonal.
645	- Lighted Buoy 96A (C)	44-52-18.035N 075-14-00.018W	FI R 4s			Red.	Seasonal.
650	- Lighted Buoy 98 (C)		FI R 4s			Red.	Seasonal.
655	- Lighted Buoy 99	44-51-56.335N 075-14-33.318W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
660	- Lighted Buoy 100 (C)	44-51-36.035N 075-15-18.018W	Q R			Red.	Seasonal.
665	- Lighted Buoy 101 Marks shoal.	44-51-26.535N 075-15-20.018W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
670	- Lighted Buoy 102 (C)	44-51-30.035N 075-15-42.018W	FI R 4s			Red.	Seasonal.
675	- Lighted Buoy 103	44-51-16.035N 075-16-03.518W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
680	- Lighted Buoy 104 (C)	44-51-18.035N 075-16-24.018W	Q R			Red.	Seasonal.
685	- Lighted Buoy 105	44-51-04.335N 075-16-35.018W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
700	- Lighted Buoy 107A (C)		FI G 4s			Green boat-shaped buoy.	Seasonal.
705	IROQUOIS LOCK RANGE FRONT LIGHT (C)	44-50-42.035N 075-18-12.018W	F W	33 10		Orange triangular daymark with black stripes on white skeleton tower.	Seasonal.
710	IROQUOIS LOCK RANGE REAR LIGHT (C) 745 feet, 026.3° from front light.		F W	43 13		Orange triangular daymark with black stripes on white skeleton tower.	Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>CROIL ISLAND TO/A CARDINAL (Chart 1434)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
715	- Lighted Buoy 108 (C)		Q R			Red.	Seasonal.
720	- Lighted Buoy 108A (C)	44-50-24.035N 075-18-30.018W	FI R 4s			Red.	Seasonal.
725	IROQUOIS APPROACH RANGE FRONT LIGHT (C)	44-50-24.035N 075-18-36.018W	F R	32 10		Orange triangular daymark with black stripes on white skeleton tower.	Seasonal.
730	IROQUOIS APPROACH RANGE REAR LIGHT (C) 601 feet, 241.4° from front light.		F R	47 14		Orange triangular daymark with black stripes on white skeleton tower.	Seasonal.
735	- Lighted Buoy 109 (C)		Q G			Green boat-shaped buoy.	Seasonal.
745	- LIGHT 111 (C)		FI G 4s	46 14		Orange triangular daymark on white skeleton tower.	Seasonal.
755	- Lighted Buoy 112 (C)	44-49-00.035N 075-19-30.018W	FI R 4s			Red.	Seasonal.
760	- Lighted Buoy 113 (C)	44-48-54.035N 075-19-18.018W	Q G			Green.	Seasonal.
765	- LIGHT 114 (C)	44-48-48.035N 075-19-48.018W	FI R 4s	23 7		White circular tower with red top.	Seasonal.
770	TOUSSAINT ISLAND WEST LIGHT (C)	44-48-42.035N 075-20-00.018W	Iso R 2s	21 6		White circular tower with red top.	Seasonal.
775	SPARROWHAWK POINT LEADING LIGHT	44-48-06.035N 075-20-00.018W	F G	48 15		Orange triangular daymark with black stripe on post.	Higher intensity beam on bearing 205.8°. Aid maintained by S.L.S.D.C.
780	- LIGHT 115 About 200 feet outside channel limit.	44-47-56.935N 075-20-46.118W	FI G 2.5s	28 9		SG on pile on cell.	Aid maintained by S.L.S.D.C.
785	- Lighted Buoy 116	44-47-25.835N 075-21-46.618W	FI R 4s			Red.	Spar; winter marker. Aid maintained by S.L.S.D.C.
790	- Lighted Buoy 117	44-47-14.435N 075-21-51.218W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
795	- Lighted Buoy 118 (C)	44-47-06.035N 075-22-12.018W	FI R 4s			Red.	Seasonal.
800	- Lighted Buoy 119	44-46-56.735N 075-22-21.618W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
805	- Lighted Buoy 120 (C)	44-46-54.035N 075-22-42.018W	FI R 4s			Red.	Seasonal.
810	GALOP ISLAND EAST RANGE FRONT LIGHT	44-46-36.035N 075-22-54.018W	F G	28 9		Orange triangular daymark with black stripes on skeleton tower.	Aid maintained by S.L.S.D.C.
815	GALOP ISLAND EAST RANGE REAR LIGHT 1,700 feet, 227° from front light.		F G	60 18		Orange triangular daymark with black stripes on square tower.	Aid maintained by S.L.S.D.C.
820	- LIGHT 121	44-46-34.835N 075-23-04.818W	FI G 4s	28 9		SG on pile on cell.	Aid maintained by S.L.S.D.C.
835	- Lighted Buoy 122	44-46-25.935N 075-23-41.518W	FI R 4s			Red.	Spar; winter marker. Aid maintained by S.L.S.D.C.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>CARDINAL TO/A WHALEBACK SHOAL (Chart 1435)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
840	- LIGHT 123 About 160 feet outside channel limit.	44-46-01.035N 075-24-16.018W	FI G 4s	28 9		White square daymark with green border on white pile.	Aid maintained by S.L.S.D.C.
843	- <i>Lighted Buoy 124</i>	44-46-00.035N 075-24-34.618W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
845	- <i>Lighted Buoy 125</i>	44-45-58.335N 075-24-24.018W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
855	- <i>Lighted Buoy 125A</i>	44-45-48.035N 075-24-39.618W	FI G 4s			Green.	Can Winter Mark Aid maintained by S.L.S.D.C.
860	- <i>Lighted Buoy 126</i>	44-45-32.035N 075-25-10.618W	FI R 4s			Red.	Winter marker. Aid maintained by S.L.S.D.C.
865	- <i>Lighted Buoy 127</i>	44-45-23.235N 075-25-10.618W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
870	DRUMMOND ISLAND RANGE FRONT LIGHT (C)	44-45-30.035N 075-25-36.019W	Iso R 2s	45 14		Orange inverted triangular daymark with black stripe on white skeleton tower.	Seasonal.
875	DRUMMOND ISLAND RANGE REAR LIGHT (C) 3,168 feet, 236.5° from front light.		F R	70 21		Orange inverted triangular daymark with black stripes on skeleton tower.	Seasonal.
880	GALOP ISLAND WEST RANGE FRONT LIGHT	44-45-12.035N 075-25-12.018W	F G	28 9		Orange triangular daymark with black stripes on skeleton tower.	Aid maintained by S.L.S.D.C.
885	GALOP ISLAND WEST RANGE REAR LIGHT 1,296 feet, 058.0° from front light.	44-45-18.035N 075-24-54.018W	F G	48 15		Orange triangular daymark with black stripes on skeleton tower.	Aid maintained by S.L.S.D.C.
890	- <i>Lighted Buoy 126A</i>	44-45-01.935N 075-25-47.519W	Q R			Red.	Year Round Lighted Buoy Aid maintained by S.L.S.D.C.
895	- ICE BOOM CELL LIGHT C Marks location of anchors, cables and pile cells.	44-44-53.000N 075-25-40.000W	F Y	12 4		Post on cell.	Private aid.
900	- <i>Lighted Buoy 129</i>	44-44-49.035N 075-25-52.819W	Q G			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
905	- <i>Lighted Buoy 128</i>	44-44-47.235N 075-26-12.019W	FI R 4s			Red.	Spar; winter marker. Aid maintained by S.L.S.D.C.
910	CHIMNEY ISLAND LEADING LIGHT	44-44-30.035N 075-26-24.019W	F W (R & G sectors)	28 9		On post.	Red from 220.4° to 221.3°, white from 221.3° to 222.2°, green from 222.2° to 223.2°. Aid maintained by S.L.S.D.C.
925	- <i>Lighted Buoy 130A (C)</i>		FI R 4s			Red.	Seasonal.
940	- <i>Lighted Buoy 131 (C)</i>	44-44-18.035N 075-27-06.019W	FI G 4s			Green.	Seasonal.
950	- <i>Lighted Buoy 131A (C)</i>	44-43-42.035N 075-28-00.019W	FI G 4s			Green.	Seasonal.
955	- ICE BOOM CELL LIGHT B Marks location of anchors, cables and pile cells.	44-43-23.000N 075-27-54.000W	F Y	12 4		White post on cell.	Private aid.
960	- <i>Lighted Buoy 131B</i>	44-43-07.935N 075-28-36.319W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
965	- <i>Lighted Buoy 132 (C)</i>	44-43-06.035N 075-29-06.019W	FI R 4s			Red.	Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>CARDINAL TO/A WHALEBACK SHOAL (Chart 1435)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
970	- Lighted Buoy 133	44-42-18.635N 075-30-15.819W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
975	PRESCOTT HERITAGE HARBOUR LIGHT (C)	44-42-36.035N 075-30-36.019W	Iso G 4s	25 8		White lighthouse with green top.	Seasonal.
<b>Ogdensburg Harbor</b>							
985	- East Entrance Lighted Buoy 2	44-42-33.235N 075-29-13.519W	FI R 4s		4	Red.	Maintained from Apr. 1 to Dec. 15 Aid maintained by S.L.S.D.C.
990	- East Entrance Lighted Buoy 4	44-42-22.535N 075-29-20.619W	FI R 4s		4	Red.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
992	- LIGHT	44-41-52.000N 075-30-12.000W	FI W 10s	70 21			Private aid.
995	- West Entrance Lighted Buoy 2	44-42-06.184N 075-30-22.009W	FI R 4s		4	Red.	Maintained from Apr. 28 to Nov 28. Aid maintained by S.L.S.D.C.
1000	- West Entrance Buoy 3	44-41-58.425N 075-30-04.239W				Green can.	Maintained from Apr 28 to Nov 28. Aid maintained by S.L.S.D.C.
1005	- West Entrance Buoy 4	44-41-54.434N 075-30-11.319W				Red nun.	Maintained from Apr 28 to Nov 28. Aid maintained by S.L.S.D.C.
1010	- West Entrance Lighted Buoy 5	44-41-57.975N 075-29-56.819W	FI G 4s		4	Green.	Maintained from Apr 28 to Nov 28 Aid maintained by S.L.S.D.C.
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1020	Catamaran Shoal Buoy Lighted 135 Marks northwest side of shoal.	44-36-55.034N 075-37-19.419W	FI G 4s			Green can.	Aid maintained by S.L.S.D.C.
1025	North McNair Shoal Lighted Buoy 136 (C)		FI R 4s			Red.	Seasonal.
1035	South McNair Shoal Lighted Buoy 137A (C)	44-35-36.034N 075-40-00.019W	FI G 4s			Green.	Seasonal.
1040	<b>Brockville Breakwater Light (C)</b>		FI R 4s	32 10		White circular tower with red top.	Seasonal.
1045	SKELETON ISLAND LIGHT 138 (C)		FI R 4s	37 11		White circular tower with red top.	Seasonal.
1050	Refugee Island Shoal Lighted Buoy 139 (C) Marks east side of shoal.		FI G 4s			Green.	Seasonal.
1065	MCCOY ISLAND LIGHT 141 (C)		Q G	30 9		White circular tower with black top.	Seasonal.
1070	ROYAL ISLAND LIGHT 142 (C) Marks shoal.		FI R 4s	31 9		White circular tower with red top.	Seasonal.
1075	- LIGHT 143 (C)	44-34-00.034N 075-42-24.019W	FI G 4s	26 8		White circular tower with black top.	Seasonal.
1080	- Lighted Buoy 143A (C) Marks north side of shoal.	44-33-42.034N 075-42-42.019W	FI G 4s			Green.	Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>CARDINAL TO/A WHALEBACK SHOAL (Chart 1435)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1085	- LIGHT 144 (C) Marks McDonald Point Shoal.		Q R	28 9		White circular tower with red top.	Seasonal.
1090	STOVIN ISLAND LIGHT 145 (C)	44-33-36.034N 075-42-54.019W	FI G 4s	34 10		White circular tower with green top.	Seasonal.
1095	NEEDLES EYE ISLAND LIGHT 146 (C)		FI R 4s	34 10		White circular tower with red top.	Seasonal.
1100	<i>Derottenburg Lighted Buoy 145A (C)</i>		FI G 4s			Green.	Seasonal.
1105	- <i>Lighted Buoy 146A (C)</i>		FI R 4s			Red.	
1110	DEWATTEVILLE ISLAND RANGE FRONT LIGHT (C)	44-32-54.034N 075-44-00.019W	F W	30 9		Orange triangular daymark with black stripes on white circular tower with red top.	Seasonal.
1115	DEWATTEVILLE ISLAND RANGE REAR LIGHT (C) 1,140 feet, 036.9° from front light.		F W	69 21		Orange inverted triangular daymark with black stripes on red skeleton tower.	Visible on range line only. Seasonal.
1120	- LIGHT 147 (C)	44-32-30.034N 075-44-12.019W	FI G 4s	30 9		White circular tower with green top.	Seasonal.
1125	- <i>Lighted Buoy 147A (C)</i>	44-32-12.034N 075-44-36.019W	FI G 4s			Green.	Seasonal.
1130	- LIGHT 150 (C)	44-31-48.034N 075-45-18.019W	FI R 4s	28 9		White cylindrical tower with red top.	Seasonal.
1135	<i>Cole Shoal Lighted Buoy 150A (C)</i> Marks south side of Cole Shoal.		FI R 4s			Red.	Seasonal.
1140	- LIGHT 151 (C)	44-31-24.034N 075-45-24.019W	FI G 4s	30 9		White circular tower with green top.	Seasonal.
1145	- <i>Lighted Buoy 152 (C)</i>	44-31-06.034N 075-46-00.019W	FI R 4s			Red.	Seasonal.
1150	BROCKVILLE CROSSOVER RANGE FRONT LIGHT (C)	44-31-36.034N 075-45-54.019W	Iso G 2s	32 10		Orange triangular daymark with black stripe on white circular tower.	Seasonal.
1155	BROCKVILLE CROSSOVER RANGE REAR LIGHT (C) 2,153 feet, 013.5° from front light.		F G	61 19		Orange inverted triangular daymark with black stripe on white skeleton tower.	Seasonal.
1170	- <i>Lighted Buoy 153</i>	44-30-37.434N 075-46-08.219W	Q G			Green.	RACON: M ( - - ) Spar; winter marker. Aid maintained by S.L.S.D.C.
1180	- LIGHT 156 Marks Bay State Shoal, about 60 feet outside channel limit.		FI R 2.5s	30 9		TR on tower on cell.	Aid maintained by S.L.S.D.C.
1185	- <i>Lighted Buoy 157</i>	44-30-18.934N 075-46-14.419W	FI G 4s			Green.	Winter marker. Aid maintained by S.L.S.D.C.
1190	- <i>Lighted Buoy 159</i>	44-29-48.934N 075-46-24.519W	FI G 4s			Green.	Winter marker. Aid maintained by S.L.S.D.C.
1195	- LIGHT 160 Marks Cross Over Island Shoal, about 105 feet outside channel limit.	44-29-48.034N 075-46-36.019W	FI R 4s	28 9		TR on tower on cell.	Aid maintained by S.L.S.D.C.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>CARDINAL TO/A WHALEBACK SHOAL (Chart 1435)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1200	- Lighted Buoy 162	44-28-41.534N 075-46-56.119W	Q R			Red.	Year Round Lighted Buoy Aid maintained by S.L.S.D.C.
1205	- LIGHT 163 About 140 feet outside channel limit.		FI G 2.5s	28 9		SG on pile.	Aid maintained by S.L.S.D.C.
1210	CHIPPEWA POINT DIRECTIONAL LIGHT	44-28-24.530N 075-46-57.470W	F W (R & G sectors)	28 9		White post.	White from 193° to 195°, red from 189° to 193°, green from 195° to 199°. Aid maintained by S.L.S.D.C.
1215	- Lighted Buoy 163A	44-28-22.634N 075-47-05.819W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
1220	- Lighted Buoy 164	44-28-30.534N 075-47-08.219W	FI R 4s			Red.	Spar; winter marker. Aid maintained by S.L.S.D.C.
<b>WHALE BACK SHOAL TO/A SUMMERLAND GROUP (Chart 1436) (C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1225	- LIGHT 165		FI G 4s	23 7		SG on tower on cell.	Aid maintained by S.L.S.D.C.
1230	CHIMNEY ISLAND LIGHT (C)	44-28-00.034N 075-50-00.019W	FI R 4s	18 5		White circular tower with red top.	Seasonal.
1235	HAFFIE SHOAL LIGHT (C)	44-27-30.034N 075-50-42.019W	FI R 4s	34 10		White circular tower with red top.	
1240	- Lighted Buoy 166	44-27-14.034N 075-48-30.819W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
1245	- Lighted Buoy 167	44-26-55.834N 075-48-37.419W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
1250	- LIGHT 168	44-27-00.034N 075-48-48.019W	FI R 4s	23 7		TR on pile.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
1255	- Lighted Buoy 170	44-26-45.134N 075-48-59.219W	FI R 4s			Red.	Nun Winter Mark Aid maintained by S.L.S.D.C.
1260	- Lighted Buoy 172 (C) Marks shoal.		FI R 4s			Red.	Seasonal.
1265	Haskell Shoal Lighted Buoy 173 (C) Marks north side of shoal.	44-26-12.034N 075-49-24.019W	Q G			Green.	Spar; winter marker. Seasonal.
1270	- Lighted Buoy 176	44-25-03.134N 075-50-26.419W	FI R 4s			Red.	Winter marker. Aid maintained by S.L.S.D.C.
1275	- Lighted Buoy 177	44-24-46.234N 075-50-30.719W	FI G 4s			Green.	Can Winter Mark Aid maintained by S.L.S.D.C.
1280	- LIGHT 178 About 175 feet outside channel limit.		FI R 4s	28 9		TR on pile.	Aid maintained by S.L.S.D.C.
1285	- LIGHT 179		FI G 2.5s	28 9		SG on pile.	Aid maintained by S.L.S.D.C.
1290	- LIGHT 180 Marks Ironside Shoal.	44-23-48.034N 075-51-24.019W	Q R	28 9		TR on tower on cell.	Aid maintained by S.L.S.D.C.
1295	- Lighted Buoy 181	44-23-30.034N 075-51-29.119W	FI G 4s			Green.	Year Round Lighted Buoy Aid maintained by S.L.S.D.C.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height Range	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>WHALE BACK SHOAL TO/A SUMMERLAND GROUP (Chart 1436) (C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1300	- Lighted Buoy 181A	44-22-49.034N 075-52-25.219W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
1305	- LIGHT 182 Marks Whiskey Island Shoal, about 95 feet outside channel limit.		FI R 4s	28 9		TR on pile.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
1310	- LIGHT 183 Marks Excelsior Shoal, about 180 feet outside channel limit.	44-22-24.034N 075-53-06.019W	FI G 4s	34 10		SG on tower on concrete base.	Aid maintained by S.L.S.D.C.
1315	- Lighted Buoy 185	44-22-13.234N 075-53-23.419W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
1320	- LIGHT 186 About 320 feet outside channel limit.		FI R 4s	28 9		TR on pile.	Aid maintained by S.L.S.D.C.
<b>SUMMERLAND GROUP TO/A GRINDSTONE ISLAND (Chart 1437)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1325	- LIGHT 187		FI G 4s	28 9		SG on pile.	Aid maintained by S.L.S.D.C.
1330	Hammond Shoal Buoy Marks south side of shoal.	44-20-44.834N 075-54-42.319W				Green and red bands; can.	Maintained from Apr 28 to Nov 28.  Aid maintained by S.L.S.D.C.
1335	- LIGHT 189 About 290 feet outside channel limit.		FI G 4s	30 9		SG on conical tower.	Aid maintained by S.L.S.D.C.
1340	- LIGHT 191 Marks southwest side of Sunken Rock Shoal, about 70 feet outside channel limits.		FI G 2.5s	28 9		SG on tower on concrete base.	Aid maintained by S.L.S.D.C.
1345	- LIGHT 192 Marks Frontenac Shoal, about 25 feet outside channel limit.		FI R 4s	28 9		TR on pile.	Aid maintained by S.L.S.D.C.
1350	Broadway Shoal Buoy Marks north side of shoal.	44-20-22.454N 075-55-15.829W				Green and red bands; can.	Maintained from Apr 28 to Nov 28. Aid maintained by S.L.S.D.C.
1353	ALEXANDRIA BAY HARBOR LIGHT	44-20-07.500N 075-55-15.800W	FI Y 2s	3 1		On floating dock.	Maintained from Apr. 1 to Dec. 1. Private aid.
1360	- LIGHT 194 Marks Pullman Shoal, about 100 feet outside channel limit.	44-20-06.034N 075-55-48.019W	FI R 4s	34 10		TR on tower on concrete base .	Aid maintained by S.L.S.D.C.
1365	- LIGHT 195 About 12 feet outside channel limit.		FI G 4s	23 7		SG on pile .	Maintained from Apr . 1 to Dec. 15. Aid maintained by S.L.S.D.C.
1370	- LIGHT 197		FI G 4s	28 9		SG on pile .	Aid maintained by S.L.S.D.C.
1375	- LIGHT 198		FI R 4s	23 7		TR on tower on concrete base	Aid maintained by S.L.S.D.C.
1380	- LIGHT 199 Marks Comfort Island Shoal.		FI G 2.5s	28 9		SG on tower on concrete base .	RACON: M ( - - ) Aid maintained by S.L.S.D.C.
1385	KEEWAYDIN STATE PARK BREAKWATER LIGHT	44-19-22.000N 075-56-11.000W	FI G 4s	10 3		Green daymark on steel post.	Maintained from May 1 to Nov 1.  Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>SUMMERLAND GROUP TO/A GRINDSTONE ISLAND (Chart 1437)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1386	<i>Keewaydin State Park Lighted Entrance Buoy</i>	44-49-20.600N 075-56-13.600W	FI R 4s			Red.	Maintained May 1 to Nov. 1. Private aid.
1390	- LIGHT 200 About 90 feet outside channel limit.		Q R	28 9		TR on pile .	Aid maintained by S.L.S.D.C.
1395	- <i>Lighted Buoy 202</i>	44-19-22.634N 075-56-38.619W				Red.	S .L.S .D.C . Aid maintained by S.L.S.D.C.
1400	POINT VIVIAN LEADING LIGHT		F W (R & G sectors)	28 9		On post.	Red from 216.5 ° to 217.5 ° , white from 217.5 ° to 218.5 ° , green from 218.5° to 219.5 ° . S. L.S. D.C. Aid maintained by S.L.S.D.C.
1405	- LIGHT 203 About 40 feet outside channel limit.		FI G 4s	28 9		SG on pile .	Aid maintained by S.L.S.D.C.
1410	- LIGHT 204 About 30 feet outside channel limit.		FI R 4s	28 9		TR on pile .	Aid maintained by S.L.S.D.C.
1415	- <i>Lighted Buoy 205</i>	44-18-53.934N 075-57-20.119W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
1420	- LIGHT 206 About 25 feet outside channel limit.	44-18-36.034N 075-58-12.019W	Iso R 2s	28 9		TR on pile .	Aid maintained by S.L.S.D.C.
1425	- LIGHT 207 About 15 feet outside channel limit.		FI G 4s	28 9		SG on pile .	Aid maintained by S.L.S.D.C.
1430	- LIGHT 209 About 40 feet outside channel limit.	44-17-54.034N 075-59-12.019W	FI G 2.5s	31 9		SG on tower on cell.	Aid maintained by S.L.S.D.C.
1435	- <i>Lighted Buoy 208</i>	44-17-56.734N 075-59-22.719W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
1440	- <i>Lighted Buoy 209A</i>	44-17-36.734N 075-59-43.919W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
1445	- LIGHT 210 About 50 feet outside channel limit.	44-17-42.034N 075-59-54.019W	FI R 4s	28 9		TR on pile.	Aid maintained by S.L.S.D.C.
1450	- <i>Lighted Buoy 211</i>	44-17-14.934N 076-00-21.419W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
1455	- <i>Lighted Buoy 212</i>	44-17-13.734N 076-00-35.519W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
1460	- LIGHT 213 40 feet outside channel limit.	44-16-54.034N 076-00-54.019W	FI G 2.5s	31 9		SG on tower on cell.	Aid maintained by S.L.S.D.C.
1465	FISHER LANDING LIGHT	44-16-43.234N 076-00-37.719W	FI G 4s	11 3	4	SG on column on concrete base.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
1470	- LIGHT 214 Marks east side of Granite State Shoal, about 51 feet outside channel limit.		FI R 2.5s	28 9		TR on tower.	RACON: M ( - - ) Aid maintained by S.L.S.D.C.
1473	ROCK ISLAND LIGHT	44-16-51.840N 076-01-01.620W	F W				Maintained from May.1 to Dec.1. Private aid.
1475	- <i>Lighted Buoy 215</i>	44-16-46.434N 076-01-11.919W	Q G			Green.	Spar; winter maker. Aid maintained by S.L.S.D.C.
1480	- <i>Lighted Buoy 216</i>	44-16-41.634N 076-01-34.319W	FI R 4s			Red.	Winter marker. Aid maintained by S.L.S.D.C.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>SUMMERLAND GROUP TO/A GRINDSTONE ISLAND (Chart 1437)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1485	- Buoy 216A	44-16-34.234N 076-01-50.619W	FI R 4s			Red nun.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
1490	- Lighted Buoy 217	44-16-08.734N 076-02-17.219W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
1495	- Lighted Buoy 217A	44-15-36.034N 076-03-51.919W	Q G			Green.	Year Round Lighted Buoy Aid maintained by S.L.S.D.C.
1500	- Lighted Buoy 218	44-15-45.234N 076-03-45.819W	FI R 4s			Red.	Winter marker. Aid maintained by S.L.S.D.C.
1505	- LIGHT 219 About 68 feet outside channel limit.		FI G 4s	28 9		SG on pile.	Aid maintained by S.L.S.D.C.
1510	- Lighted Buoy 221 Marks west side of shoal.	44-15-28.134N 076-04-02.319W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
1515	- LIGHT 222 Marks southeast side of Chapman Shoal, about 50 feet outside channel limit.		FI R 2.5s	28 9		TR on tower.	RACON: C ( - . - . ) Aid maintained by S.L.S.D.C.
<b>Clayton Marina</b>							
<i>Buoys maintained from May 1 to Nov. 1.</i>							
1517	- Buoy 2	44-14-29.249N 076-04-14.788W				Red nun.	Private aid.
1518	- Buoy 4	44-14-29.249N 076-04-14.788W				Red nun.	Private aid.
1519	- Buoy 6	44-15-29.249N 076-04-14.788W				Red nun.	Private aid.
1519.5	- Buoy 8	44-14-29.249N 076-04-14.788W				Red nun.	Private aid.
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1520	Clayton Shoal Lighted Buoy 1	44-14-44.234N 076-05-00.919W	FI G 4s		4	Green.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
1523	CLAYTON CITY DOCK LIGHT	44-14-39.638N 076-04-59.159W	FI Y 2.5s				Private aid.
1525	- Lighted Buoy 224	44-15-00.534N 076-05-10.919W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
1527	CLAYTON FLOATING DOCK LIGHT	44-14-35.465N 076-05-17.455W	FI W 4s	7 2		Marks NE corner of dock.	Maintained from Apr. 1 to Dec. 31. Private aid.
<b>LAKE ONTARIO</b>							
<b>LAKE ONTARIO (Chart 14800)</b>							
1528.1	Village of Clayton Wave Attenuator Buoy 1	44-14-34.649N 076-05-19.688W	FI W 4s				Maintained year round. Private aid.
1528.2	Village of Clayton Wave Attenuator Buoy 2	44-14-35.314N 076-05-18.708W	FI W 4s				Maintained year round. Private aid.
1528.3	Village of Clayton Wave Attenuator Buoy 3	44-14-35.912N 076-05-17.648W	FI W 4s				Maintained year round. Private aid.
<b>ST. LAWRENCE RIVER</b>							
<b>SUMMERLAND GROUP TO/A GRINDSTONE ISLAND (Chart 1437)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1530	MARY STREET DOCK LIGHT	44-14-12.300N 076-05-28.800W	F G	12 4		On steel post.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>SUMMERLAND GROUP TO/A GRINDSTONE ISLAND (Chart 1437)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1545	- Lighted Buoy 225 Marks shoal.	44-14-33.434N 076-06-03.419W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
1550	- LIGHT 226 Marks Calumet Shoal, about 188 feet outside channel limit.		FI R 2.5s	23 7		TR on pile.	Maintained from Apr. 1 to Dec. 15. Aid maintained by S.L.S.D.C.
1555	- Lighted Buoy 226A	44-14-40.834N 076-06-04.219W	FI R 4s			Red.	Winter marker. Aid maintained by S.L.S.D.C.
1560	- LIGHT 227 About 322 feet outside channel limit.	44-14-24.034N 076-06-30.019W	F G	23 7		SG on tower on concrete base.	Aid maintained by S.L.S.D.C.
<b>GRINDSTONE ISLAND TO/A CARLETON ISLAND (Chart 1438)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1565	- Buoy 228 Marks shoal.	44-14-31.634N 076-07-03.519W	FI R 4s			Red nun.	Aid maintained by S.L.S.D.C.
1570	- LIGHT 229	44-13-12.034N 076-09-36.019W	FI G 2.5s	28 9		SG on pile.	Aid maintained by S.L.S.D.C.
<b>CARDINAL TO/A WHALEBACK SHOAL (Chart 1435)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
<b>Wolfe Island Cut</b>							
1575	- Lighted Buoy Pv2 (C)	44-14-00.034N 076-10-30.019W	Q R			Red.	Seasonal.
1580	- Lighted Buoy Pv1 (C)		FI G 4s			Green.	Seasonal.
1595	- North Lighted Buoy Pv6 (C)		FI R 4s			Red.	Seasonal.
<b>GRINDSTONE ISLAND TO/A CARLETON ISLAND (Chart 1438)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1605	<b>Wolfe Island Light (C)</b>	44-14-18.034N 076-11-00.019W	F W	37 11	12	White pyramid tower.	Seasonal.
1610	- LIGHT 231	44-12-18.034N 076-12-24.019W	FI G 4s	33 10		SG on tower on concrete base.	Aid maintained by S.L.S.D.C.
1615	- Lighted Buoy 233 Marks north side of shoal.	44-12-02.634N 076-13-36.819W	FI G 4s			Green.	Year Round Lighted Buoy Aid maintained by S.L.S.D.C.
1625	- Lighted Buoy 234	44-12-12.534N 076-15-03.219W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
1630	- Lighted Buoy 235	44-11-40.134N 076-17-55.719W	Q G			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
1635	BAYFIELD ISLAND LIGHT (C)	44-11-39.334N 076-19-42.419W		38 12		White square skeleton tower with orange triangular daymark.	F R 260.5° to 262°, AI WR 262° to 262.25°, W phase increasing with bearing, F W 262.25° to 263.75°, AI WG 263.75° to 264°, G phase increasing with bearing, F G 264° to 265.5°. Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>GRINDSTONE ISLAND TO/A CARLETON ISLAND (Chart 1438)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1640	- Lighted Buoy 237	44-11-20.834N 076-18-28.019W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
1645	- Lighted Buoy 236	44-11-21.234N 076-19-06.219W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
1650	- Lighted Buoy 238	44-10-05.134N 076-19-27.119W	FI R 4s			Red.	Spar; winter marker. Aid maintained by S.L.S.D.C.
1655	IRVINE POINT RANGE FRONT LIGHT (C)	44-12-18.034N 076-18-36.019W	F R	35 11		Orange rectangular daymark with black vertical stripe on white skeleton tower.	Visible on range line only. Seasonal.
1660	IRVINE POINT RANGE REAR LIGHT (C) 2,560 feet, 013.3° from front light.		F R	70 21		Orange rectangular daymark with black vertical stripe on white skeleton tower.	Visible on range line only. Seasonal.
1665	- Lighted Buoy 239	44-10-31.634N 076-19-05.119W	FI G 4s			Green.	Spar; winter marker. Aid maintained by S.L.S.D.C.
1670	CARLETON ISLAND LEADING LIGHT	44-10-12.034N 076-18-42.019W	F G	29 9		Orange triangular daymark with black stripes on square tower.	Visible on bearing 033° only. Aid maintained by S.L.S.D.C.
1675	- Lighted Buoy 240	44-09-04.734N 076-19-49.319W	Q R			Red.	Spar; winter marker. Aid maintained by S.L.S.D.C.
<b>CARLETON ISLAND TO/A CHARITY SHOAL (Chart 1439)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1680	- Lighted Buoy 241	44-08-38.934N 076-19-31.719W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
1685	Carleton Island South Channel Buoy 1	44-10-00.034N 076-17-48.529W				Green can.	Maintained from Apr 28 to Nov 28. Aid maintained by S.L.S.D.C.
1690	Carleton Island South Channel Buoy 3	44-09-53.964N 076-18-18.759W				Green can.	Maintained from Apr 28 to Nov 28. Aid maintained by S.L.S.D.C.
1695	Carleton Island South Channel Buoy 5	44-09-45.794N 076-18-48.459W				Green can.	Maintained from Apr 28 to Nov 28. Aid maintained by S.L.S.D.C.
1700	CAPE VINCENT BREAKWATER EAST END LIGHT	44-07-56.934N 076-19-49.519W	Q W	20 6	6	SG on post.	Aid maintained by S.L.S.D.C.
1705	CAPE VINCENT BREAKWATER WEST END LIGHT	44-07-53.234N 076-20-07.219W	F R	20 6	6	TR on post.	Higher intensity on bearing 068° and 193°. Aid maintained by S.L.S.D.C.
1710	- Lighted Buoy 242	44-08-01.734N 076-20-57.519W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
1720	- Lighted Buoy 243	44-07-45.634N 076-20-40.419W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
1725	- Lighted Buoy 244 Marks shoal.	44-07-12.534N 076-22-39.419W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
1735	<b>Tibbetts Point Light</b>	44-06-02.271N 076-22-14.223W	Oc W 10s	69 21	16	White conical tower. 69	Standby light of reduced intensity shows Oc W 4s. AIS MMSI: 993672194

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. LAWRENCE RIVER</b>							
<b>CARLETON ISLAND TO/A CHARITY SHOAL (Chart 1439)(C)</b>							
<b>St. Lawrence Seaway</b>							
<i>Aids listed S.L.S.D.C. in the remarks section are operated and maintained by the St. Lawrence Seaway Development Corporation pursuant to an agreement with the U.S. Coast Guard authorized under 14 USC 81. Lighted buoys are set out in the spring as early as ice conditions permit and are maintained until ice conditions require their removal in the fall.</i>							
1745	<i>Tibbetts Point Traffic Lighted Buoy</i>	44-06-02.734N 076-24-20.419W	Mo (A) W			Red and white stripes.	Aid maintained by S.L.S.D.C.
1750	- <i>Lighted Buoy 245</i>	44-05-45.434N 076-23-18.819W	FI G 4s			Green.	Aid maintained by S.L.S.D.C.
<b>LAKE ONTARIO</b>							
<b>CLAYTON TO FALSE DUCK ISLAND (Chart 14802)</b>							
1755	<i>Allan Otty Shoal Lighted Buoy 2</i> Marks southeast side of shoal.	44-03-49.634N 076-27-01.119W	FI R 4s			Red.	Aid maintained by S.L.S.D.C.
1760	EAST CHARITY SHOAL LIGHT Marks east side of Charity Shoals Group.	44-02-12.626N 076-28-52.976W	FI W 4s	52 16	9	Tower.	
1770	<i>Stony Island Lighted Buoy 2</i>	43-55-10.501N 076-17-41.073W	FI R 4s		4	Red.	Maintained from May 7 to Nov. 14.
1775	<i>Point Peninsula Lighted Buoy 3</i>	43-56-53.147N 076-16-24.267W	FI G 6s		4	Green.	Maintained from May 7 to Nov. 14.
<b>CHAUMONT, HENDERSON AND BLACK RIVER BAYS (Chart 14811)</b>							
<b>Chaumont Bay</b>							
1780	CHERRY ISLAND LIGHT	44-00-52.366N 076-11-11.695W	FI W 4s	43 13	8	NR on white skeleton tower with enclosed base.	
1785	<i>Johnson Shoal Lighted Buoy 1</i>	44-02-59.232N 076-09-53.768W	FI G 4s		3	Green.	Maintained from May 14 to Nov. 1.
1790	- <i>Junction Lighted Buoy</i>	44-03-21.731N 076-09-08.469W	FI (2+1)G 6s		3	Green and red bands.	Maintained from May 14 to Nov. 1.
1795	Chaumont Harbor Daybeacon 2 Marks rock.	44-03-37.674N 076-08-15.359W				TR on pile on concrete base.	
1800	CHAUMONT HARBOR LIGHT	44-03-31.914N 076-08-45.219W	F G	30 9	6	SG on skeleton tower with enclosed base.	
1805	CRESENT MARINE PIER LIGHT	44-03-48.000N 076-08-04.300W	F R	9 3		Post.	Maintained from May 1 to Dec. 1. Private aid.
<b>Chaumont Shoal</b>							
<i>Buoys maintained from Apr. 30 to Oct. 30. Due to shifting sandbar, buoys may be relocated without prior notice.</i>							
1810	- Buoy A	44-03-55.674N 076-09-03.855W				White can with orange bands and diamond worded DANGER.	Private aid.
1815	- Buoy B	44-03-57.671N 076-09-01.038W				White can with orange bands and diamond worded DANGER.	Private aid.
1820	- Buoy C	44-03-59.301N 076-08-56.792W				White can with orange bands and diamond worded DANGER.	Private aid.
1825	- <i>Lighted Buoy D</i>	44-05-08.000N 076-08-50.174W	FI W 2s			White with orange bands and diamond worded DANGER.	Private aid.
1830	- Buoy E	44-04-00.000N 076-08-50.787W				White can with orange bands and diamond worded DANGER.	Private aid.
1835	- Buoy F	44-04-01.000N 076-08-52.000W				White can with orange bands and diamond worded DANGER.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ONTARIO</b>							
<b>CHAUMONT, HENDERSON AND BLACK RIVER BAYS (Chart 14811)</b>							
<b>Chaumont Bay</b>							
<b>Chaumont Shoal</b>							
<i>Buoys maintained from Apr. 30 to Oct. 30. Due to shifting sandbar, buoys may be relocated without prior notice.</i>							
1840	- Buoy G	44-04-02.876N 076-08-52.471W				White can with orange bands and diamond worded DANGER.	Private aid.
1845	- Buoy H	44-04-04.000N 076-08-56.000W				White can with orange bands and diamond worded DANGER.	Private aid.
<b>Black River Bay</b>							
1850	SACKETS HARBOR LIGHT	43-56-37.448N 076-08-43.055W	FI W 2.5s	57 17	5	NB on gray skeleton tower.	Light obscured by trees 092° to 157° and 242° to 267°.
1852	<i>Horse Island Lighted Buoy 2</i>	43-56-30.969N 076-09-11.974W	FI R 4s		3	Red.	Maintained from May 14 to Nov. 01.
<b>Navy Point</b>							
<i>Aids maintained from Jun. 1 to Nov. 1.</i>							
1855	- LIGHT	43-57-01.334N 076-07-16.319W	FI R 4s	27 8	4	TR on post.	
1860	- MARINE DOCK LIGHT 4	43-56-58.000N 076-07-20.000W	F R	15 5		TR on post.	Private aid.
1865	- <i>Marina Anchorage Lighted Buoy A</i>	43-56-58.000N 076-07-18.000W	Q Y			Yellow.	Private aid.
1870	- <i>Marina Anchorage Lighted Buoy B</i>	43-57-02.000N 076-07-16.800W	Q Y			Yellow.	Private aid.
1875	- <i>Marina Anchorage Lighted Buoy C</i>	43-57-03.500N 076-07-18.700W	Q Y			Yellow.	Private aid.
1880	- <i>Marina Anchorage Lighted Buoy D</i>	43-57-04.000N 076-07-23.600W	Q Y			Yellow.	Private aid.
<b>Black River Bay</b>							
1882	MADISON BARRACKS MARINA ENTRANCE LIGHT	43-57-17.900N 076-06-44.900W	F R	17 5		TR on post.	Maintained from May 1 to Oct. 1. Private aid.
1885	<i>Black River Entrance Lighted Buoy 1</i>	43-59-12.000N 076-04-42.000W	FI G 4s			Green.	Maintained from Apr. 30 to Sep. 30. Private aid.
1890	<i>Black River Entrance Lighted Buoy 2</i>	43-59-06.000N 076-04-36.000W	FI R 4s			Red.	Maintained from Apr. 30 to Sep. 30. Private aid.
1895	- Buoy 3	43-58-53.200N 076-05-04.200W				Green can.	Maintained from Apr. 30 to Sep. 30. Private aid.
1900	- Buoy 4	43-58-53.200N 076-05-04.200W				Red spar.	Maintained from Apr. 30 to Sep. 30. Private aid.
1905	- Buoy 5	43-59-00.100N 076-04-57.900W				Green can.	Maintained from Apr. 30 to Sep. 30. Private aid.
1910	- Buoy 6	43-58-56.700N 076-04-55.800W				Red spar.	Maintained from Apr. 30 to Sep. 30. Private aid.
1915	- Buoy 7	43-59-05.800N 076-04-46.200W				Green can.	Maintained from Apr. 30 to Sep. 30. Private aid.
1920	- Buoy 8	43-59-04.300N 076-04-43.900W				Red spar.	Maintained from Apr. 30 to Sep. 30. Private aid.
1925	- Buoy 9	43-59-08.800N 076-04-40.900W				Green can.	Maintained from Apr. 30 to Sep. 30. Private aid.
1930	- Buoy 10	43-59-08.800N 076-04-37.700W				Red spar.	Maintained from Apr. 30 to Sep. 30. Private aid.
1935	- Buoy 11	43-59-59.100N 076-03-30.500W				Green can.	Maintained from Apr. 30 to Sep. 30. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ONTARIO</b>							
<b>CHAUMONT, HENDERSON AND BLACK RIVER BAYS (Chart 14811)</b>							
<b>Henderson Bay</b>							
1940	<i>Lime Barrel Shoal Lighted Buoy 1</i>	43-54-44.252N 076-11-55.758W	FI G 4s		4	Green.	Maintained from May 7 to Nov. 14.
1943	- Buoy 1	43-54-27.534N 076-08-34.919W				Green can.	Maintained from May 14 to Nov. 1.
1945	WESTCOTT BEACH STATE PARK LIGHT 1	43-54-04.100N 076-07-38.000W	FI G 3s	19 6		SG on post.	Maintained from Apr. 1 to Dec. 1. Private aid.
1950	WESTCOTT BEACH STATE PARK LIGHT 2	43-54-05.000N 076-07-40.500W	FI R 3s	19 6		TR on post.	Maintained from Apr. 1 to Dec. 1. Private aid.
<b>Henderson Harbor Special Anchorage</b> <i>Maintained from May 1 to Oct. 30.</i>							
1955	- LIGHT A	43-51-08.800N 076-12-08.900W	FI Y 4s	5 2		On yellow post.	Private aid.
1960	- <i>Lighted Buoy B</i>	43-51-09.000N 076-12-19.000W	FI Y 4s			Yellow.	Private aid.
1965	- <i>Lighted Buoy C</i>	43-51-23.800N 076-12-19.000W	FI Y 4s			Yellow.	Private aid.
1970	- <i>Lighted Buoy D</i>	43-51-23.800N 076-12-09.600W	FI Y 4s			Yellow.	Private aid.
1975	- <i>Lighted Buoy E</i>	43-51-21.700N 076-12-05.500W	FI Y 4s			Yellow.	Private aid.
1980	- <i>Lighted Buoy F</i>	43-51-33.400N 076-12-06.200W	FI Y 4s			Yellow.	Private aid.
1985	- LIGHT G	43-51-33.600N 076-12-00.800W	FI Y 4s	5 2		On yellow post.	Private aid.
1990	- <i>Lighted Buoy H</i>	43-51-21.800N 076-11-58.200W	FI Y 4s			Yellow.	Private aid.
<b>CLAYTON TO FALSE DUCK ISLAND (Chart 14802)</b>							
<b>Henderson Bay</b>							
1995	<i>Galloo Island Shoal Lighted Buoy 3</i> Marks southwest side of shoal.	43-53-43.552N 076-28-34.750W	FI G 4s		4	Green.	Replaced by can from Nov. 14 to May 7.
2005	Calf Island Spit Buoy 5	43-51-21.418N 076-23-28.177W				Green can.	
2010	STONY POINT LIGHT	43-50-19.582N 076-17-55.963W	Iso R 6s	40 12	6	TR on skeleton tower.	
2015	PORT ONTARIO LIGHT	43-34-27.000N 076-12-08.000W	FI W 2s	50 15		Cupola on three-story gray house.	Maintained from Mar. 1 to Dec. 1. Private aid.
<b>Stony Creek Bay</b> <i>Buoys maintained from Apr. 30 to Sep. 30.</i>							
2019	- <i>Lighted Channel Buoy 1</i>	43-48-30.000N 076-14-54.000W	FI G 2s			Green.	Private aid.
2019.1	- <i>Lighted Channel Buoy 2</i>	43-48-30.000N 076-14-54.000W	FI R 2s			Red.	Private aid.
2019.2	- Channel Buoy 3	43-48-30.000N 076-14-54.000W				Green can.	Private aid.
2019.3	- Channel Buoy 4	43-48-30.000N 076-14-54.000W				Red nun.	Private aid.
2020	Drowned Island Buoy 7	43-47-23.252N 076-14-38.220W				Green can.	
<b>SOUTH OF STONY POINT TO PORT BAY</b>							
<b>Port Ontario</b>							
2025	- LIGHT 2	43-34-39.914N 076-12-20.439W	FI R 2.5s	36 11	4	Red and white cylindrical tower on jetty.	
2030	- LIGHT 3	43-34-38.733N 076-12-15.889W	FI G 2.5s	34 10	3	SG on pile on jetty.	
2035	- Buoy 4	43-34-35.445N 076-12-14.583W				Red nun.	Maintained from May 14 to Nov. 1.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ONTARIO</b>							
<b>SOUTH OF STONY POINT TO PORT BAY</b>							
<b>Port Ontario</b>							
2040	- Buoy 6	43-34-33.347N 076-12-12.867W				Red nun.	Maintained from May 14 to Nov. 1.
2045	MEXICO POINT LIGHT	43-31-24.000N 076-15-18.000W	FI W 5s	17 5		On aluminum post.	Maintained from Apr. 15 to Nov. 15. Private aid.
2050	MEXICO POINT BOAT LAUNCH LIGHT 1	43-31-54.000N 076-15-41.000W	FI G 4s	10 3		On post.	Maintained from Apr. 15 to Nov. 15. Private aid.
2055	MEXICO POINT BOAT LAUNCH LIGHT 2	43-31-00.630N 076-15-52.000W	FI R 4s	10 3		On post.	Maintained from Apr. 15 to Nov. 15. Private aid.
<b>Constellation Nuclear Security Zone</b>							
2060	- No Entry Buoy A	43-31-00.000N 076-25-41.800W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid.
2060.1	- No Entry Buoy B	43-31-12.000N 076-25-42.000W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid.
2060.2	- No Entry Buoy C	43-31-19.560N 076-25-26.940W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replace by spar from Nov. 1 to Apr 15. Private aid.
2060.3	- No Entry Buoy D	43-31-27.010N 076-25-11.940W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr 15. Private aid.
2060.4	- No Entry Buoy E	43-31-34.500N 076-24-56.820W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. to Apr. 15. Private aid.
2060.5	- No Entry Buoy F	43-31-37.860N 076-24-39.300W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr 15. Private aid.
2060.6	- No Entry Buoy G	43-31-39.660N 076-24-21.240W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr 15. Private aid.
2060.7	- No Entry Buoy H	43-31-41.760N 076-24-03.240W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid.
2060.8	- No Entry Buoy I	43-31-44.000N 076-23-45.240W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid.
2060.9	- No Entry Buoy J	43-31-45.800N 076-23-28.620W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ONTARIO</b>							
<b>SOUTH OF STONY POINT TO PORT BAY</b>							
<b>Port Ontario</b>							
<b>Constellation Nuclear Security Zone</b>							
2061	- No Entry Buoy K	43-31-48.000N 076-23-12.000W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr 15. Private aid.
2061.1	- No Entry Buoy L	43-31-35.640N 076-23-12.000W				White can with orange bands orange exclusion symbol and worded NO ENTRY.	Replaced by spar from Nov. 1 to Apr 15. Private aid.
<b>OSWEGO HARBOR</b>							
<b>Oswego Harbor</b>							
2065	- DETACHED BREAKWATER WEST END LIGHT	43-28-34.583N 076-30-57.839W	FI G 4s	30 9	6	SG on gray post.	Vessels enroute to or from harbor should use new lake approach channel to westward of Oswego Detached Breakwater.
2070	- DETACHED BREAKWATER EAST END LIGHT	43-28-32.446N 076-30-47.005W	FI Y 4s	30 9	7	NB on gray post.	Vessels enroute to or from harbor should use new lake approach channel to westward of Oswego Detached Breakwater.
2075	- EAST BREAKWATER LIGHT	43-28-25.822N 076-30-51.306W	FI G 6s	43 13	6	SG on gray post.	
2080	- West Pierhead Light	43-28-23.768N 076-31-01.371W	FI R 10s	57 17	11		HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
2090	- Inner Buoy 1 On southeast point of shoal.	43-28-00.285N 076-30-46.333W				Green can.	
2095	- Inner Lighted Buoy 2	43-27-58.481N 076-30-52.619W	FI R 4s (NIGHT)  (DAY)		4	Red.	Replaced by nun from Nov. 14 to May 7.
2097	- Inner Buoy 4	43-27-53.968N 076-30-50.137W				Red nun.	
2100	- Canal Channel Lighted Buoy 6	43-27-35.523N 076-30-39.631W	FI R 6s		4	Red	Maintained from May. 14 to Nov. 1.
2105	- WEST CHANNEL LIGHT 2	43-27-58.336N 076-31-12.380W	FI R 4s	36 11	4	TR on pile.	
2110	- West Channel Buoy 3	43-27-53.279N 076-31-13.512W				Green can.	Maintained from May 14 to Nov 1.
2115	- West Channel Buoy 5	43-27-47.679N 076-31-27.913W				Green can.	Maintained from May 14 to Nov 1.
2120	- West Channel Buoy 7	43-27-41.978N 076-31-41.914W				Green can.	Maintained from May 14 to Nov 1.
<b>LAKE ONTARIO (Chart 14800)</b>							
2125	UFI Weather Research Buoy 1	43-29-27.060N 076-30-59.436W	FI Y 4s				Maintained from May.1 to Nov.1. Private aid.
<b>LAKE ERIE</b>							
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
2128	USSD CDIP 274 Weather Wave Buoy 1	43-30-02.754N 076-32-18.326W	FI Y 5s				Maintained from Apr.1 to Nov.30. Private aid.
<b>LAKE ONTARIO</b>							
<b>SOUTH OF STONY POINT TO PORT BAY</b>							
2130	Ford Shoal Lighted Buoy 1	43-26-57.291N 076-35-20.734W	FI G 4s		4	Green.	Maintained from May 7 to Nov. 14.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ONTARIO</b>							
<b>SOUTH OF STONY POINT TO PORT BAY</b>							
2135	FAIR HAVEN BREAKWATER LIGHT 2	43-21-01.233N 076-42-30.819W	FI R 4s	28 9	7	TR on post.	
2140	FAIR HAVEN BREAKWATER LIGHT 1	43-21-01.133N 076-42-27.019W	FI G 4s	30 9	6	SG on post.	
<b>PORT BAY TO LONG POND (Chart 14804)</b>							
<b>Port Bay</b>							
<i>Aids maintained from May 1 to Oct. 20.</i>							
2145	- Entrance Lighted Buoy 1	43-18-19.500N 076-50-14.000W	Iso G 2s			Green.	Private aid.
2150	- ENTRANCE LIGHT 2	43-18-19.500N 076-50-15.200W	Q R	21 6		On red pile.	Private aid.
2155	- Lighted Buoy 3	43-18-17.000N 076-50-15.200W	Iso G 2s			Green.	Private aid.
2165	- Lighted Buoy 5	43-18-15.000N 076-50-15.000W	Iso G 2s			Green.	Private aid.
<b>SODUS BAY</b>							
<b>Sodus Bay</b>							
2168	SUNY ESF Buoy	43-16-54.600N 076-57-39.000W	FI Y 4s				Maintained from Apr. 1 to Nov. 30. Private aid.
2170	<b>Sodus Outer Light</b>	43-16-38.707N 076-58-26.261W	Iso R 6s	51 16	10	Tower.	
2180	- EAST PIER LIGHT 1	43-16-36.959N 076-58-21.369W	FI G 4s	18 5	6	SG on grey post.	
2182	- Channel Lighted Buoy 4	43-16-20.100N 076-58-25.865W	FI R 2.5s		3	Red.	Maintained from May 14 to Nov. 1.
2185	- Channel Lighted Buoy 5	43-16-20.069N 076-58-21.304W	FI G 2.5s		3	Green.	Maintained from May 14 to Nov. 1.
2190	- LIGHT 6	43-16-11.733N 076-58-25.949W	FI R 4s	18 5	4	TR on white column.	
2195	USGS Sodus Point Weather Buoy 1	43-15-33.480N 076-58-20.930W	FI Y 4s				Private aid.
2200	Newark Island Danger Lighted Buoy	43-15-57.733N 076-57-34.919W	Q W		3	White can with orange bands and diamond worded DANGER ROCKS	Maintained from May 14 to Nov. 1.
2205	- Special Anchorage Buoy A	43-15-51.873N 076-58-32.071W				Yellow can.	Maintained from May 14 to Nov. 1.
2207	- Special Anchorage Buoy B	43-15-53.589N 076-58-46.159W				Yellow can.	Maintained from May 14 to Nov. 1.
2209	- Special Anchorage Buoy C	43-15-54.231N 076-58-48.943W				Yellow can.	Maintained from May 14 to Nov. 1.
2211	- Special Anchorage Buoy D	43-15-54.993N 076-58-59.143W				Yellow can.	Maintained from May 14 to Nov. 1.
2215	DAVENPORT MARINE DOCK LIGHT	43-13-30.000N 076-55-36.000W	F G	10 3		On pile.	Private aid.
<b>PORT BAY TO LONG POND (Chart 14804)</b>							
<b>Pultneyville Entrance</b>							
2220	PULTNEYVILLE YACHT CLUB LIGHT	43-17-06.000N 077-11-06.000W	FI W 4s	35 11		On pile.	Maintained from Apr. 30 to Sep. 30. Private aid.
2225	PULTNEYVILLE OUTER RANGE FRONT LIGHT	43-16-57.000N 077-10-57.000W	F G	18 5		White diamond daymark on pile.	Maintained from Apr. 30 to Sep. 30. Private aid.
2230	PULTNEYVILLE OUTER RANGE REAR LIGHT 60 feet, 189° from front light.	43-16-56.000N 077-10-57.000W	F G	30 9		White diamond daymark on pile.	Maintained from Apr. 30 to Sep. 30. Private aid.
2235	- Lighted Buoy 1	43-17-05.000N 077-10-56.500W	FI G 3s			Green.	Maintained from Apr. 30 to Sep. 30. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ONTARIO</b>							
<b>PORT BAY TO LONG POND (Chart 14804)</b>							
<b>Pultneyville Entrance</b>							
2240	- Lighted Buoy 2	43-17-05.000N 077-10-58.000W	FI R 3s			Red.	Maintained from Apr. 30 to Sep. 30. Private aid.
2245	- Lighted Buoy 3	43-17-01.000N 077-10-56.500W	FI G 3s			Green.	Maintained from Apr. 30 to Sep. 30. Private aid.
2250	- Lighted Buoy 4	43-17-01.000N 077-10-58.000W	FI R 3s			Red.	Maintained from Apr. 30 to Sep. 30. Private aid.
2255	PULTNEYVILLE INNER RANGE FRONT LIGHT	43-16-59.000N 077-11-06.000W	F R	11 3		White diamond shaped daymark with red border on post.	Maintained from Apr. 30 to Sep. 30. Private aid.
2260	PULTNEYVILLE INNER RANGE REAR LIGHT 225 feet, 259° from front light.	43-17-00.000N 077-11-12.000W	F R	20 6		White diamond shaped daymark with red border on pile.	Maintained from Apr. 30 to Sep. 30. Private aid.
2265	- Lighted Buoy 5	43-17-06.000N 077-11-00.000W	FI G 3s			Green.	Maintained from Apr. 30 to Sep. 30. Private aid.
2270	- Lighted Buoy 6	43-17-06.000N 077-11-00.000W	FI R 3s			Red.	Maintained from Apr. 30 to Sep. 30. Private aid.
<b>R. E. Ginna Nuclear Security Zone</b>							
<i>Buoys maintained from Apr. 15 to Nov. 15.</i>							
2271	- No Entry Buoy A	43-16-57.000N 077-18-54.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
2271.1	- No Entry Buoy B	43-17-07.800N 077-18-54.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
2271.2	- No Entry Buoy C	43-17-18.000N 077-18-54.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
2271.3	- No Entry Buoy D	43-17-18.000N 077-18-42.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
2271.4	- No Entry Buoy E	43-17-18.000N 077-18-30.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
2271.5	- No Entry Buoy F	43-17-18.000N 077-18-18.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
2271.6	- No Entry Buoy G	43-17-07.800N 077-18-18.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
2271.7	- No Entry Buoy H	43-16-57.000N 077-18-18.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
2271.8	- No Entry Buoy I	43-16-46.800N 077-18-18.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
<b>Pultneyville Entrance</b>							
2275	WEBSTER PARK BREAKWATER LIGHT 1	43-15-45.000N 077-27-01.000W	FI G 6s	20 6		On post on jetty.	Maintained from May 1 to Oct. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ONTARIO</b>							
<b>PORT BAY TO LONG POND (Chart 14804)</b>							
<b>Pultneyville Entrance</b>							
2277	Canadian Weather Buoy 12 - 5 (C)	43-30-37.000N 077-05-07.000W	F Y				Maintained from Apr 1. to Nov. 30 Private aid.
2278	Canadian Spar Buoy 89 (C)	43-30-36.000N 077-04-45.000W	F Y				Maintained from Apr 1. to Nov. 30 Private aid.
<b>Irondequoit Bay</b>							
2280	- LIGHT 2	43-14-17.533N 077-32-01.720W	FI R 4s	16 5	5	White cylindrical tower with red band.	
2285	- LIGHT 3	43-14-13.333N 077-32-01.420W	FI G 2.5s	16 5	4	SG on post.	
2290	- LIGHT 4	43-14-03.033N 077-32-04.020W	FI R 4s	16 5	4	TR on pile.	
2300	- LIGHT 5	43-13-50.033N 077-32-03.020W	Q G	16 5	4	SG on pile.	
2305	- LIGHT 6	43-13-50.033N 077-32-04.020W	Q R	16 5	4	TR on pile.	
2310	- LIGHT 7	43-13-34.033N 077-32-09.020W	FI G 4s	16 5	4	SG on pile.	
2315	- LIGHT 8	43-13-34.033N 077-32-11.020W	FI R 4s	16 5	3	TR on pile.	
<b>Pultneyville Entrance</b>							
2318	USGS Irondequoit Bay Weather Buoy 1	43-13-14.130N 077-31-59.640W	FI Y 4s				Private aid.
<b>ROCHESTER HARBOR (Chart 14815)</b>							
<b>Rochester Harbor</b>							
2320	- Light	43-15-50.073N 077-35-56.342W	FI R 4s	40 12	9	White cylindrical tower with red band.	
2330	- EAST PIER LIGHT	43-15-44.653N 077-35-54.330W	FI G 4s	20 6	8	On post.	
2333	CHARLOTTE-GENESEE LIGHTHOUSE	43-15-09.975N 077-36-38.142W	F W				Private aid.
2335	Genesee River Turning Basin Buoy 4 Marks south side of shoal.	43-14-02.124N 077-37-04.077W				Red nun.	Maintained from May 7 to Nov 7.
2337	Genesee River Lighted Buoy WR2	43-14-20.298N 077-36-50.799W	Q R		3		Maintained from May 7 to Nov 7.
2340	BRADDOCK BAY CHANNEL LIGHT 1	43-18-23.000N 077-42-55.000W	FI G 4s			SG on post.	Maintained from Apr. 15 to Sep. 15. Private aid.
<b>LONG POND TO THIRTYMILE POINT</b>							
<b>Braddock Bay</b>							
2343.1	- LIGHT BB 1	43-18-57.788N 077-42-38.483W	F G			Single Pile, White	Private aid.
2343.2	- LIGHT BB 2	43-18-59.778N 077-42-39.074W	F R			Single Pile, White	Private aid.
2343.3	- LIGHT BB 3	43-18-56.772N 077-42-44.460W	F G			Single Pile, White	Private aid.
2343.4	- LIGHT BB 4	43-18-57.715N 077-42-45.144W	F R			Single Pile, White	Private aid.
2343.5	- LIGHT BB 5	43-18-54.612N 077-42-50.832W	F G			Single Pile, White	Private aid.
2343.6	- LIGHT BB 6	43-18-55.630N 077-42-51.433W	F R			Single Pile, White	Private aid.
<b>ROCHESTER HARBOR (Chart 14815)</b>							
<b>Rochester Harbor</b>							
2345	BRADDOCK BAY CHANNEL LIGHT 2	43-18-24.000N 077-42-30.000W	FI R 4s			TR on post.	Maintained from Apr. 15 to Sep. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ONTARIO</b>							
<b>LONG POND TO THIRTYMILE POINT</b>							
<b>Braddock Bay</b>							
2350	<b>Braddock Point Light</b>	43-20-28.333N 077-45-45.520W	Iso W 6s	55 17	14	Brown circular tower. 55	
2355	<i>Wautoma Shoal Lighted Buoy 1</i>	43-21-28.724N 077-48-13.411W	FI G 4s		4	Green.	Maintained from May 7 to Nov. 14.
2356	BROCKPORT HARBOR LIGHT	43-21-09.440N 077-53-30.030W	Q W	8 2		On post.	Maintained from Jun. 1 to Oct. 1. Private aid.
<b>ROCHESTER HARBOR (Chart 14815)</b>							
<b>Rochester Harbor</b>							
2357	<i>Canadian Weather Buoy 12 - 6 (C)</i>	43-34-59.000N 078-13-59.000W	F Y				Maintained from Apr 1. to Nov. 30 Private aid.
<b>LONG POND TO THIRTYMILE POINT</b>							
<b>Oak Orchard</b>							
<b>Golden State Park Entrance</b> <i>Aids maintained from Apr. 15 to Nov. 15.</i>							
2358	<i>Canadian Spar Buoy 17 (C)</i>	43-35-10.000N 078-14-01.000W	F Y				Maintained from Apr 1. to Nov. 30 Private aid.
<b>Eagle Creek Marina</b>							
2360	- ENTRANCE LIGHT 1	43-22-05.000N 078-01-52.000W	Iso G 2s	10 3		SG on post.	Maintained from Apr. 15 to Nov. 1. Private aid.
2361	- ENTRANCE LIGHT 2	43-22-07.000N 078-01-48.000W	Iso R 2s	10 3		TR on post.	Maintained from Apr. 15 to Nov. 1. Private aid.
2362	- ENTRANCE LIGHT 3	43-22-04.500N 078-01-45.000W	Iso G 2s	10 3		SG on post.	Maintained from Apr. 15 to Nov. 1. Private aid.
2363	- ENTRANCE LIGHT 4	43-22-04.500N 078-01-48.000W	Iso R 2s	10 3		TR on post.	Maintained from Apr. 15 to Nov. 1. Private aid.
<b>ROCHESTER HARBOR (Chart 14815)</b>							
<b>Rochester Harbor</b>							
2364	<i>Canadian Weather Buoy S - 3067 (C)</i>	43-23-08.000N 078-00-01.000W	FI Y 4s			Spar Buoy	Maintained from Apr.1 to Nov.1. Private aid.
<b>LONG POND TO THIRTYMILE POINT</b>							
<b>Oak Orchard</b>							
2365	- BREAKWATER LIGHT B	43-22-28.363N 078-11-31.701W	FI W 6s	30 9	6	NR on post.	
2370	- BREAKWATER LIGHT A	43-22-28.273N 078-11-28.501W	Q W	25 8	5	NR on post.	
2375	- BREAKWATER LIGHT C	43-22-28.463N 078-11-35.441W	Q W	25 8	5	NR on post.	
2380	- JETTY LIGHT 3	43-22-25.573N 078-11-30.351W	FI G 4s	25 8	5	SG on post.	
2390	- JETTY LIGHT 4	43-22-25.593N 078-11-33.331W	FI R 4s	25 8	5	TR on post.	
2391	- HARBOR LIGHT	43-22-20.040N 078-11-29.400W	F W				Private aid.
<b>Golden State Park Entrance</b> <i>Aids maintained from Apr. 15 to Nov. 15.</i>							
2393	- LIGHT 3	43-22-18.000N 078-28-40.000W	Q G	30 9		SG on pole.	Private aid.
2395	<b>Thirtymile Point Light</b>	43-22-29.500N 078-29-10.700W	FI W 10s	60 18		Square tower on northeast corner of two-story house.	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>LAKE ONTARIO (Chart 14800)</b>							
2396	OLCOTT HARBOR DETACHED BREAKWATER WEST LIGHT Detached breakwater	43-20-32.340N 078-43-12.014W	FI W 4s			Single Pile, White Light, 19.2 FT	Maintained Year round. Private aid.
2397	OLCOTT HARBOR DETACHED BREAKWATER EAST LIGHT	43-20-32.840N 078-43-07.600W	FI W 4s			Single Pile, White Light, 19.2 FT	Maintained Year round. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ONTARIO</b>							
<b>THIRTYMILE POINT TO PORT DALHOUSIE</b>							
<b>Wilson Harbor</b>							
2400	OLCOTT LIGHT	43-20-26.478N 078-43-10.939W	FI R 2.5s	29 9	6	TR on post.	
2405	- PIERHEAD LIGHT 2	43-19-10.544N 078-50-13.480W	FI R 4s	27 8	7	TR on post.	
2410	- Buoy 4	43-19-00.182N 078-50-10.037W				Red nun.	Maintained from May 1 to Nov. 1.
2415	- Buoy 3	43-19-03.489N 078-50-08.818W				Green can.	Maintained from May 1 to Nov. 1.
2420	- Daybeacon 6	43-18-57.433N 078-50-13.232W				TR on pile.	
2425	- Daybeacon 7	43-18-55.403N 078-50-13.512W				SG on pile.	
2430	- Daybeacon 8	43-18-56.343N 078-50-16.282W				TR on pile.	
2440	- Daybeacon 10	43-18-56.273N 078-50-24.262W				TR on pile.	
2445	- Daybeacon 12	43-18-51.753N 078-50-34.932W				TR on pile.	
2450	- Daybeacon 13	43-18-50.173N 078-50-35.862W				SG on pile.	
2455	- Daybeacon 15	43-18-50.383N 078-50-39.652W				SG on pile.	
2460	- Daybeacon 16	43-18-52.513N 078-50-42.032W				TR on pile.	
2465	- Daybeacon 17	43-18-49.843N 078-50-43.772W				SG on pile.	
2470	- Daybeacon 18	43-18-50.343N 078-50-47.322W				TR on pile.	
2475	- Daybeacon 20	43-18-47.473N 078-50-49.762W				TR on pile.	
2480	- Daybeacon 21	43-18-44.833N 078-50-52.802W				SG on pile.	
<b>LOWER NIAGARA RIVER (Chart 14816)</b>							
2485	<b>Fort Niagara Light 5</b>	43-15-42.562N 079-03-50.062W	Oc G 4s	80 24	10	SG on tower. 80	
2490	<i>Niagara Bar Lighted Buoy 2</i>	43-19-02.426N 079-04-14.096W	FI R 4s		4	Red.	Replaced by nun from Nov. 14 to May 7.
2495	<i>Fort Niagara Lighted Bell Buoy 3</i> Marks northwest side of shoal.	43-16-24.483N 079-04-30.010W	FI G 4s		4	Green.	Replaced by can from Nov. 14 to May 7.
<b>Niagara River (Below the Falls)</b>							
2505	NIAGARA RIVER RANGE FRONT LIGHT (C)	43-15-18.032N 079-03-42.022W	F R	34 10		White tower with red top.	Visible on range line only. Seasonal.
2510	NIAGARA RIVER RANGE REAR LIGHT (C) 693 feet, 149.3° from front light.		F R	47 14		White tower with red top.	Visible on range line only. Seasonal.
2515	<i>Youngstown Safe Boating Zone Lighted Float A</i>	43-15-17.000N 079-03-19.000W	Q Y			4x8 foot yellow float displaying two 34x12 inch sign boards.	Maintained from May 1 to Nov. 1. Private aid.
2516	<i>Youngstown Safe Boating Zone Lighted Float B</i>	43-14-40.800N 079-03-17.000W	Q Y			4x8 foot yellow float displaying two 34x12 inch sign boards.	Maintained from May 1 to Nov. 1. Private aid.
2517	<i>Youngstown Safe Boating Zone Lighted Float C</i>	43-14-16.000N 079-03-18.500W	Q Y			4x8 foot yellow float displaying two 34x12 inch sign boards.	Maintained from May 1 to Nov. 1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ONTARIO</b>							
<b>APPROACHES TO NIAGARA RIVER AND WELLAND CANAL (Chart 14822)</b>							
<b>Port Weller</b>							
2535	<b>Outer Light (C)</b>	43-14-42.032N 079-13-06.022W	FI R 10s 0.3s fl. 9.7s ec.	51 16	15	Red skeleton tower.	Maintained from Apr. to Dec. Seasonal.
2545	EAST BREAKWATER EAST LIGHT (C)		FI G 4s	34 10	9	Orange daymark on white pile.	Eastern limits; measured distance. Seasonal.
2550	ST. CATHERINE'S OUTER LIGHT (C)	43-14-42.032N 079-12-30.022W	Iso R 2s	26 8	5	White cylindrical tower with red top.	Seasonal.
2555	ENTRANCE RANGE FRONT LIGHT (C)	43-13-24.032N 079-13-00.022W	Iso Y 5s	54 16		On orange and white post.	
2560	ENTRANCE RANGE REAR LIGHT (C) 2,975 feet, 180° from front light.		F Y (R & G sectors)	105 32		Orange and white skeleton tower.	Red from 177.5° to 179.7°, yellow from 179.7° to 180.3°, green 180.3° to 182.5°. Yellow sector indicates preferred channel.
<b>CLAYTON TO FALSE DUCK ISLAND (Chart 14802)</b>							
2565	<b>Nine Mile Point Light (C)</b>	44-09-06.034N 076-33-24.019W	FI W 10s 03s fl 9.7s ec.	53 16	20	White circular tower with red top.	Seasonal. Emergency light.
2570	PIGEON ISLAND LIGHT (C)	44-04-00.034N 076-33-00.019W	FI W 4s	65 20	8	White square skeleton tower with red top.	Seasonal.
2575	<i>South Charity Shoal Lighted Buoy M6 (C)</i> Marks southwest side of shoal.		FI R 4s			Red.	
2580	<i>South Charity Shoal Lighted Buoy M7 (C)</i>	43-59-00.034N 076-32-30.019W	FI G 4s			Green.	
2585	<b>Main Duck Island Light (C)</b>	43-55-54.034N 076-38-18.019W	FI W 6s	77 23	20	White octagonal tower with red upper portion.	Seasonal. Emergency light.
2595	<i>The Ducks Lighted Buoy MM2 (C)</i>	43-54-36.034N 076-35-42.019W	FI R 4s			Red.	
2600	<i>Main Duck Island Lighted Buoy M9 (C)</i> Marks west side of shoal.	43-50-00.034N 076-40-30.019W	FI G 4s			Green.	
2605	<i>Psyche Shoal Lighted Bell Buoy M10 (C)</i> Marks southeast side of shoal.		FI R 4s			Red.	
2610	<i>William Shoal Lighted Buoy K11 (C)</i> Marks southwest side of shoal.	43-55-30.034N 076-47-48.020W	FI G 4s			Green.	Seasonal.
2615	<b>False Ducks Light (C)</b>	43-56-54.034N 076-47-54.020W	FI R 4s	72 22	20	Hexagonal tower with red and white bands.	Seasonal.
2620	<i>False Ducks Bank Lighted Buoy K12 (C)</i> Marks southeast side of bank.	43-56-00.034N 076-48-42.020W	FI R 4s			Red.	Seasonal.
2625	<i>Traverse Shoal Lighted Buoy K14 (C)</i>	43-54-12.034N 076-50-48.020W	FI R 4s			Red.	Seasonal.
2630	PRINCE EDWARD POINT LIGHT (C)	43-56-12.034N 076-51-30.020W	Iso W 2s	47 14	6	White skeleton tower.	Seasonal.
2635	<b>Point Petre Light (C)</b>	43-50-24.033N 077-09-12.020W	FI W 10s 0.3s fl 9.7s ec.	71 22	15	Red and white banded circular tower.	Seasonal.
2645	SCOTCH BONNET ISLAND LIGHT (C)	43-54-00.033N 077-32-36.021W	FI W 4s	75 23	6	White skeleton tower.	
2650	PROCTOR POINT LIGHT (C)	43-58-18.033N 077-44-48.021W	FI R 4s	40 12		White circular tower with red top.	Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ONTARIO</b>							
<b>LAKE ONTARIO (Chart 14800)</b>							
2655	NOAA Lighted Weather Buoy 45012	43-37-15.033N 077-24-03.020W	FI (4)Y 20s 1s fl 1.5s ec. 1s fl 1.5s ec. 1s fl 1.5s ec. 1s fl 1.5s ec.		4	Yellow, disk-shaped hull.	Replaced by nun Nov. 1 to Apr. 1. Aid maintained by National Oceanic and Atmospheric Administration.
<b>LAKE ERIE</b>							
<b>BUFFALO HARBOR (Chart 14833)</b>							
<b>Buffalo Harbor</b>							
2665	Buffalo Safe Water VAIS	42-50-08.671N 078-55-25.943W					AIS MMSI: 993682126
2670	BUFFALO INTAKE CRIB LIGHT	42-52-48.000N 078-54-42.000W	FI (2)W 5s 0.5s fl 1s ec. 0.5s fl 3s ec.	60 18		Large circular building on concrete crib.	Maintained from Apr. 15 to Nov. 1. Private aid.
2675	- WEST BREAKWATER LIGHT	42-52-29.592N 078-54-20.111W	FI W 4s	35 11	5	NG on post.	
2680	- Light	42-52-14.232N 078-54-09.219W	FI G 2.5s	71 22	12	White tower. 71	HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates by keying microphone five times on VHF-FM Ch. 83A.
2690	- North Entrance Channel Lighted Bell Buoy 1	42-51-41.841N 078-54-29.248W	FI G 4s		4	Green.	Maintained from Apr. 28 to Dec. 1.
2695	- North Entrance Channel Lighted Buoy 2	42-51-38.131N 078-54-19.091W	FI R 4s		4	Red.	Maintained from Apr. 28 to Dec. 1.
2700	- North Entrance Channel Lighted Buoy 4	42-52-09.241N 078-53-58.001W	FI R 4s		4	Red.	Maintained from Apr. 28 to Dec. 1.
2705	- NORTH ENTRANCE LIGHT 5	42-52-35.352N 078-53-53.641W	FI G 2.5s	34 10	5	SG on post.	
2710	- NORTH ENTRANCE LIGHT 6	42-52-26.792N 078-53-46.051W	FI R 2.5s	34 10	5	TR on post.	
2715	- OLD BREAKWATER NORTH END LIGHT	42-52-39.292N 078-53-57.201W	FI W 2.5s	35 11	5	NR on post.	
2720	- NORTH ENTRANCE LIGHT 7	42-52-49.492N 078-53-45.581W	FI G 2.5s	20 6	7	SG on post.	
<b>Buffalo River</b>							
2725	BUFFALO COAST GUARD SLIP LIGHT	42-52-38.122N 078-53-28.140W	Iso R 6s	20 6	4	TR on post.	
2730	- LIGHT 2	42-52-40.520N 078-53-23.342W	Oc R 4s	25 8	7	TR on post.	
2735	- Junction Lighted Buoy BR	42-52-46.750N 078-53-31.261W	FI (2+1)R 6s		4	Red and green bands.	Year round buoy unlighted from Dec. 21 to Apr. 1.
2740	- LIGHT 5	42-52-44.300N 078-53-15.200W	FI G 3s	32 10		On white pile.	Maintained from Apr. 1 to Dec. 15. Private aid.
<b>Black Rock Canal</b>							
<i>Lighted buoys maintained from Apr. 14 to Dec. 21.</i>							
2785	- Lighted Buoy 1	42-53-02.590N 078-53-34.301W	FI G 4s		3	Green.	Year round buoy unlighted from Dec. 21 to Apr. 1.
2790	STATE BREAKWATER LIGHT 2	42-53-06.000N 078-53-26.000W	FI R 4s	28 9		TR on white skeleton tower with small white house with enclosed base.	Maintained from Apr. 1 to Dec. 15. Private aid.
2795	- Lighted Buoy 3	42-53-09.803N 078-53-34.560W	FI G 2.5s		3	Green.	Replaced by can from Dec. 21 to Apr. 14.
2805	- Lighted Buoy 5	42-53-21.926N 078-53-46.566W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 14.
2810	- Lighted Buoy 6	42-53-23.750N 078-53-44.251W	Q R		4	Red	Replaced by nun from Dec. 21 to Apr. 14.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>BUFFALO HARBOR (Chart 14833)</b>							
<b>Black Rock Canal</b>							
<i>Lighted buoys maintained from Apr. 14 to Dec. 21.</i>							
2820	- Lighted Buoy 8	42-53-27.400N 078-53-51.512W	FI R 4s		4	Red.	Replaced by nun from Dec. 21 to Apr. 14.
2825	- Lighted Buoy 9	42-53-34.260N 078-54-04.312W	FI G 4s		3	Green.	Replaced by can from Dec. 21 to Apr. 14.
2830	- Lighted Buoy 10	42-53-33.718N 078-53-59.962W	FI R 2.5s		3	Red.	Replaced by nun from Dec. 21 to Apr. 14.
2835	- Lighted Buoy 11	42-53-43.320N 078-54-10.383W	FI G 2.5s		3	Green.	Replaced by can from Dec. 21 to Apr. 14.
2840	- Lighted Buoy 12	42-53-43.520N 078-54-07.072W	FI R 4s		4	Red.	Replaced by nun from Dec. 21 to Apr. 14.
2845	- Lighted Buoy 13	42-53-49.170N 078-54-11.833W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 14.
2850	- Lighted Buoy 14	42-53-49.823N 078-54-08.743W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 21 to Apr. 14.
2855	- LIGHT 15	42-53-58.522N 078-54-12.341W	FI G 4s	24 7	4	SG on post.	
2860	- Lighted Buoy 16	42-53-57.897N 078-54-08.453W	FI R 4s		4	Red.	Replaced by nun from Dec. 21 to Apr. 14.
2865	- Lighted Buoy 17	42-54-13.270N 078-54-09.433W	FI G 4s		4	Green.	
2875	- Lighted Buoy 19	42-55-08.279N 078-54-05.774W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 14.
2880	- Lighted Buoy 21	42-55-25.709N 078-54-00.844W	FI G 2.5s		4	Green.	
2885	- Lighted Buoy 23	42-55-39.629N 078-54-01.485W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 14.
2890	- Lighted Buoy 24	42-55-41.993N 078-53-57.944W	FI R 4s		4	Red.	
2895	- Lighted Buoy 25	42-55-48.209N 078-54-04.388W	FI G 2.5s		4	Green.	Replaced by can from Dec. 21 to Apr. 14.
2900	- Lighted Buoy 26	42-55-47.349N 078-54-00.485W	FI R 2.5s		4	Red.	Maintained from Apr. 14 to Dec. 21.
<b>Buffalo Harbor South Entrance</b>							
2905	- LIGHT 2	42-50-09.232N 078-52-28.821W	FI R 6s	36 11	8	TR on post.	
2910	- LIGHT 3	42-50-07.322N 078-52-03.151W	FI G 2.5s	20 6	6	SG on post.	
2915	BUFFALO HARBOR SOUTH SIDE LIGHT 4	42-50-01.082N 078-52-03.551W	FI R 2.5s	40 12	5	TR on post.	
2925	LACKAWANNA EAST PIERHEAD LIGHT	42-49-52.900N 078-51-42.200W	F R	20 6		On black post.	Maintained from Apr. 1 to Dec. 31. Private aid.
2930	LACKAWANNA WEST PIERHEAD LIGHT	42-49-51.000N 078-51-45.100W	F R	20 6		On red post.	Maintained from Apr. 1 to Dec. 31. Private aid.
2935	UNION CANAL LIGHT	42-49-58.500N 078-51-37.800W	F R	20 6		On black post.	Maintained from Apr. 1 to Dec. 31. Private aid.
<b>Buffalo Outer Harbor</b>							
2975	Middle Reefs Lighted Buoy EU4 (C)		FI R 4s			Red.	Seasonal. No winter mark.
2975.1	Bird Island Reef EU Buoy 6 (C)					Red nun.	Maintained from May 1 to Oct. 7.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>BUFFALO HARBOR (Chart 14833)</b>							
<b>Buffalo Outer Harbor</b>							
2975.2	Limekiln Reef EU Buoy 7 (C)					Green can.	Maintained from May 1 to Oct. 7.
2975.3	Bird Island Reef EU Buoy 8 (C)					Red nun.	Maintained from May 1 to Oct. 7.
<b>UPPER NIAGARA RIVER (Chart 14832)</b>							
<b>Strawberry Island Cut</b>							
2985	- Lighted Buoy 1	42-56-38.088N 078-54-40.947W	FI G 4s		3	Green.	Replaced by can from Dec. 21 to May 7.
2990	HARBOUR PLACE MARINE NORTH LIGHT	42-56-35.000N 078-54-35.800W	F G	15 5		On post.	Maintained from Apr. 1 to Dec. 31. Private aid.
2995	HARBOUR PLACE MARINE SOUTH LIGHT	42-56-33.000N 078-54-35.800W	F R	15 5		On post.	Maintained from Apr. 1 to Dec. 31. Private aid.
3000	- UPPER RANGE FRONT LIGHT	42-57-12.345N 078-54-37.653W	F R	25 8		KRW on gray post.	Visible 4° each side of range line.
3005	- UPPER RANGE REAR LIGHT 788 feet, 001.4° from front light.	42-57-20.131N 078-54-37.388W	F R	48 15		KRW on gray post.	Visible 4° each side of range line.
3010	- Lighted Buoy 5	42-56-59.618N 078-54-39.937W	Q G		4	Green.	Replaced by can from Dec. 21 to May 7.
3015	- LOWER RANGE FRONT LIGHT	42-57-02.013N 078-54-33.950W	F R	27 8		KRW on gray post.	Visible 1.5° each side of range line.
3020	- LOWER RANGE REAR LIGHT 733 feet, 138.8° from front light.	42-56-56.561N 078-54-27.459W	F R	86 26		KRW on skeleton tower.	Visible 1.5° each side of range line.
3025	- Lighted Buoy 7 Marks Strawberry Island Reef.	42-57-06.298N 078-54-42.637W	FI G 4s		3	Green.	Replaced by can from Dec. 7 to May 7.
3030	- Buoy 8	42-57-13.228N 078-54-43.647W				Red nun.	
3045	- Lighted Buoy 11	42-57-26.338N 078-55-06.238W	FI G 2.5s		4	Green.	Replaced by can from Dec. 07 to May 7.
3050	- Buoy 12	42-57-28.808N 078-55-02.458W				Red nun.	
<b>Beaver Island State Park</b>							
<i>Lights maintained from May 15 to Nov. 1.</i>							
3055	- EAST BULKHEAD LIGHT		Q Y	12 4		NY on pile.	Private aid.
3060	- EAST ENTRANCE LIGHT 2	42-57-27.700N 078-57-18.500W	FI R 2s	12 4		TR on pile.	Private aid.
3065	- WEST ENTRANCE LIGHT 1	42-57-28.500N 078-57-20.000W	FI G 2s	12 4		SG on pile.	Private aid.
3070	- WEST BULKHEAD LIGHT	42-57-00.300N 078-57-42.000W	Q Y	12 4		NY on pile.	Private aid.
<b>Strawberry Island Cut</b>							
3075	GRAND ISLAND DIRECTION LIGHT	42-58-40.162N 078-56-50.262W	F R W G	29 9	R 7 G 7 W 7	4 NB on gray post.	Red from 311.5° to 313.0°, white from 313.0° to 314.0°, green from 314.0° to 315.5°.
3085	- Buoy 13	42-57-39.208N 078-55-24.779W				Green can.	
3090	- Buoy 14	42-57-42.638N 078-55-22.859W				Red nun.	
3091	- Lighted Buoy 15	42-57-53.797N 078-55-46.520W	FI G 4s		3	Green.	Replaced by can from Dec. 07 to May 7.
3095	- Buoy 16	42-57-54.297N 078-55-39.000W				Red nun.	Maintained from May 7 to Dec. 7.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>UPPER NIAGARA RIVER (Chart 14832)</b>							
<b>Strawberry Island Cut</b>							
3105	<i>Erie County Water Authority Lighted Intake Buoy ECWA</i>	42-57-53.000N 078-55-53.000W	FI Y 2.5s			Yellow.	Maintained from Apr. 1 to Jan. 1. Private aid.
3110	- Buoy 18	42-58-12.037N 078-56-03.261W				Red nun.	
3135	- <i>Lighted Buoy 20</i>	42-58-24.297N 078-56-21.472W	FI R 4s		4	Red.	Replaced by nun from Dec. 7 to May 7.
<b>Tonawanda Channel</b>							
3140	- Buoy 21 Marks east side of shoal.	42-58-28.737N 078-56-34.162W				Green can.	
3145	- Buoy 22 Marks shoal.	42-58-38.587N 078-56-28.572W				Red nun.	
3150	- <i>Lighted Buoy 26</i>	42-59-06.297N 078-56-44.793W	Q R		4	Red.	Replaced by nun from Dec. 7 to May 7.
3155	- <i>Lighted Buoy 28</i>	42-59-31.036N 078-56-34.653W	FI R 4s		3	Red.	Maintained from May 7 to Dec. 7.
3155.1	COLLINS MARINE ENTRANCE LIGHT 1	42-59-47.000N 078-56-05.500W	F G	15 5		SG on post.	Maintained from Apr. 1 to Nov. 1. Private aid.
3155.2	COLLINS MARINE ENTRANCE LIGHT 2	42-59-45.000N 078-56-09.200W	F R	9 3		TR on post.	Maintained from Apr. 1 to Nov. 1. Private aid.
3156	- <i>Lighted Buoy 29</i>	43-00-06.436N 078-55-59.162W	FI G 4s		4	Green.	Maintained from May 7 to Dec. 7.
3157	UNITED REFINERY OBSTRUCTION LIGHT A	43-00-02.000N 078-55-46.000W	FI W 2s	12 4			Private aid.
3158	UNITED REFINING OBSTRUCTION MIDDLE LIGHT	43-00-02.000N 078-55-45.000W	F R	18 5			Private aid.
3159	UNITED REFINERY OBSTRUCTION LIGHT B	43-00-02.000N 078-55-46.000W	FI W 2s	12 4			Private aid.
3160	- Buoy 31	43-01-11.987N 078-53-32.527W				Green can.	Maintained from May 7 to Dec. 7.
3165	TONAWANDA INTAKE CRIB LIGHT	43-01-00.000N 078-53-36.000W	FI W 4s	15 5		White triangular daymark with red top on stone base.	Maintained from Apr. 15 to Nov. 1. Private aid.
3170	Tonawanda Island Buoy 1	43-01-20.650N 078-53-10.898W				Green can.	Maintained from May 7 to Dec. 7.
3180	- Buoy 33	43-01-22.377N 078-53-26.797W				Green can.	Maintained from May 7 to Dec 7.
3183	- Buoy 34	43-01-21.887N 078-53-21.737W				Red nun.	Maintained from May 7 to Dec 7.
3185	NORTH TONAWANDA INTAKE CRIB LIGHT	43-01-32.000N 078-53-28.500W	FI G 4s	19 6		Cylindrical structure on crib.	Maintained from Apr. 15 to Nov. 1. Private aid.
3190	- Buoy 35	43-01-52.567N 078-53-27.208W				Green can.	Maintained from May 07 to Dec. 07.
3195	- Buoy 36	43-01-59.316N 078-53-21.726W				Red nun.	Maintained from May 7 to Dec 7.
3200	LOCKPORT INTAKE CRIB LIGHT	43-01-57.000N 078-53-42.000W	FI W 4s	15 5		NW worded DANGER on cylindrical structure.	Maintained from May 15 to Nov. 1. Private aid.
3215	- Buoy 37	43-02-14.306N 078-53-36.908W				Green can.	Maintained from May 7 to Dec 7.
<b>Niagara River</b>							
3235	- <i>Lighted Buoy 39</i>	43-02-41.791N 078-53-42.403W	FI G 4s		3	Green.	Maintained from May 7 to Dec. 7.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>UPPER NIAGARA RIVER (Chart 14832)</b>							
<b>Niagara River</b>							
3240	- Lighted Buoy 41	43-02-57.251N 078-54-06.523W	FI G 4s		3	Green.	Maintained from May 7 to Dec. 7.
3243	- Lighted Buoy 42	43-03-00.232N 078-54-05.223W	FI R 4s		3	Red.	Maintained from May 7 to Dec. 7.
3245	- Lighted Buoy 43	43-03-22.296N 078-55-18.414W	FI G 4s		3	Green.	Maintained from May 7 to Dec. 7.
3250	- Lighted Buoy 45	43-03-50.032N 078-56-37.922W	FI G 4s		3	Green.	Maintained from May 7 to Dec. 7.
3255	- Lighted Buoy 47	43-03-56.234N 078-58-46.022W	FI G 4s		3	Green.	Maintained from May 7 to Dec. 7.
3265	LITTLE RIVER RANGE FRONT LIGHT	43-04-31.500N 078-57-10.000W	F R	29 9		On pile.	Maintained from May 1 to Nov. 1. Private aid.
3270	LITTLE RIVER RANGE REAR LIGHT 200 feet, 344° from front light.	43-04-33.300N 078-57-10.500W	F R	33 10		On pile.	Maintained from May 1 to Nov. 1. Private aid.
3275	LASALLE YACHT CLUB PIER EAST LIGHT	43-04-24.000N 078-59-18.000W	F R	6 2			Maintained from Apr. 15 to Nov. 15. Private aid.
3280	LASALLE YACHT CLUB PIER WEST LIGHT		F R	6 2			Maintained from Apr. 15 to Nov. 15. Private aid.
3285	NIAGARA MOHAWK POWER CORPORATION LIGHT	43-04-12.000N 079-00-00.000W	FI W 3s	14 4		Tower	Maintained from Apr. 15 to Nov. 15. Private aid.
3292	NIAGARA FALLS INTAKE CRIB LIGHT	43-04-13.968N 078-59-59.875W	FI W 2.5s	14 4		NW on concrete crib.	Maintained from Apr. 1 to Nov. 30. Private aid.
3295	NIAGARA FALLS TRANSMISSION LINE LIGHT B	43-04-12.000N 079-00-12.000W	FI W 3s	20 6		Gray cylindrical standard on concrete base.	Maintained from Apr. 15 to Nov. 15. Private aid.
3300	NIAGARA FALLS TRANSMISSION LINE LIGHT C	43-03-54.000N 079-00-06.000W	FI W 3s	20 6		Cylindrical standard.	Maintained from Apr. 15 to Nov. 15. Private aid.
<b>Buckhorn Island</b>							
3305	- DIKE LIGHT 1	43-04-10.000N 079-00-28.000W	FI W 4s	20 6			Maintained from Apr. 1 to Dec. 1. Private aid.
3310	- DIKE LIGHT 2	43-04-03.000N 079-00-21.000W	FI W 4s	20 6			Maintained from Apr. 1 to Dec. 1. Private aid.
3315	- DIKE LIGHT 3	43-04-02.000N 079-00-18.000W	FI W 4s	20 6			Maintained from Apr. 1 to Dec. 1. Private aid.
<b>Chippawa Channel</b>							
3335	BIG SIX MILE CREEK LIGHT	43-01-38.000N 079-00-43.500W	F R	12 4		TR on post.	Maintained from May 1 to Nov. 1. Private aid.
3340	CHIPPAWA LIGHT (C)	43-03-48.032N 079-02-54.022W	Iso R 2s	16 5		On ornamental pile.	Defines danger zone above Niagara Falls. Private aid.
3343	NIAGARA SAFETY ZONE LIGHT	43-04-41.032N 079-01-35.022W	Q Y	25 8	4	Safety Zone sign on monopile.	Marks Niagara Safety Zone above Niagara Falls.
3345	Niagara Falls Safety Buoy A Marks safety zone above Niagara Falls.	43-04-06.572N 079-01-07.102W				White can with orange bands and danger symbol.	Maintained from May 1 to Oct. 28.
3350	Niagara Falls Safety Buoy B Marks safety zone above Niagara Falls.	43-04-12.212N 079-01-03.082W				White can with orange bands and danger symbol.	Maintained from May 1 to Oct. 28.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>UPPER NIAGARA RIVER (Chart 14832)</b>							
<b>Chippawa Channel</b>							
3355	Niagara Falls Safety Buoy C Marks safety zone above Niagara Falls.	43-04-17.312N 079-00-59.822W				White can with orange bands and danger symbol.	Maintained from May 1 to Oct. 28.
3356	Niagara Falls Safety Buoy D Marks safety zone above Niagara Falls.	43-04-21.992N 079-00-56.482W				White can with orange bands and danger symbol.	Maintained from May 1 to Oct. 28.
3357	Niagara Falls Safety Buoy E Marks safety zone above Niagara Falls.	43-04-27.872N 079-00-52.522W				White can with orange bands and danger symbol.	Maintained from May 1 to Oct. 28.
3358	Niagara Falls Safety Buoy F Marks safety zone above Niagara Falls.	43-04-34.712N 079-00-56.482W				White can with orange bands and danger symbol.	Maintained from May 1 to Oct. 28.
3359.1	Canadian Niagara Falls Safety Buoy 1 (C) Marks safety zone above Niagara Falls.	43-03-46.592N 079-02-32.782W				White can with orange bands and danger symbols.	Maintained from May 1 to Oct. 7.
3359.2	Canadian Niagara Falls Safety Buoy 2 (C) Marks safety zone above Niagara Falls.	43-03-50.492N 079-02-15.502W				White can with orange bands and danger symbols.	Maintained from May 1 to Oct. 7.
3359.3	Canadian Niagara Falls Safety Buoy 3 (C) Marks safety zone above Niagara Falls.	43-03-53.852N 079-02-02.002W				White can with orange bands and danger symbols.	Maintained from May 1 to Oct. 7.
3359.4	Canadian Niagara Falls Safety Buoy 4 (C) Marks safety zone above Niagara Falls.	43-03-56.012N 079-01-50.842W				White can with orange bands and danger symbols.	Maintained from May 1 to Oct. 7.
3359.5	Canadian Niagara Falls Safety Buoy 5 (C) Marks safety zone above Niagara Falls.	43-03-58.172N 079-01-40.222W				White can with orange bands and danger symbols.	Maintained from May 1 to Oct. 7.
3359.6	Canadian Niagara Falls Safety Buoy 6 (C) Marks safety zone above Niagara Falls.	43-04-08.432N 079-01-29.122W				White can with orange bands and danger symbols.	Maintained from May 1 to Oct. 7.
<b>APPROACHES TO NIAGARA RIVER (Chart 14822)</b>							
3360	<i>Seneca Shoal Lighted Buoy 2</i> Marks northwest side of shoal.	42-47-36.241N 078-55-58.038W	FI R 4s		4	Red.	Maintained from May 7 to Dec. 1.
<b>STURGEON POINT TO TWENTY MILE CREEK</b>							
3365	STURGEON POINT LIGHT 2	42-41-34.383N 079-02-43.737W	FI R 2.5s	32 10	4	TR on post.	
3370	STURGEON POINT LIGHT 3	42-41-32.297N 079-02-43.761W	FI G 4s	28 9	4	SG on post.	
<b>Cattaraugus Creek</b>							
3375	- NORTH BREAKWATER LIGHT 1	42-34-18.836N 079-08-17.830W	FI G 2.5s	31 9	5	SG on pile.	
3380	- SOUTH BREAKWATER LIGHT 2	42-34-21.674N 079-08-22.936W	FI R 2.5s	31 9	4	TR on pile.	
<b>Dunkirk Harbor</b>							
3410	<b>Dunkirk Light</b>	42-29-38.054N 079-21-14.140W	Oc W 4s	82 25	16		
3430	- LIGHT 1	42-29-35.811N 079-20-39.662W	FI G 4s	20 6	6	SG on pile.	
3435	- PIERHEAD LIGHT 2	42-29-34.542N 079-20-43.232W	FI R 6s	63 19	8	White cylindrical tower with red band.	
3440	- <i>Lighted Buoy 3</i>	42-29-32.039N 079-20-32.779W	FI G 2.5s		4	Green can.	Maintained from May 14 to Nov. 01.
3445	- Buoy 4	42-29-29.158N 079-20-31.806W				Red nun.	Maintained from May 14 to Nov. 01.
3450	- Buoy 5	42-29-28.939N 079-20-23.279W				Green can.	Maintained from May 14 to Nov. 01.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>STURGEON POINT TO TWENTY MILE CREEK</b>							
<b>Dunkirk Harbor</b>							
3453	- Lighted Buoy 6	42-29-27.139N 079-20-24.579W	FI (2)R 5s		4	Red nun.	Maintained from May 14 to Nov. 01.
3455	- EAST INNER BREAKWATER WEST END LIGHT 1	42-23-00.032N 079-20-12.022W	FI G 2.5s	35 11	4	SG on post.	
3460	- WEST INNER BREAKWATER EAST END LIGHT 2	42-29-23.032N 079-20-14.022W	FI R 2.5s	33 10	4	TR on post.	
3465	- WEST INNER BREAKWATER WEST END LIGHT 4	42-29-18.032N 079-20-30.022W	FI R 4s	33 10	4	TR on post.	
<b>STURGEON POINT TO TWENTY MILE CREEK</b>							
3467	<i>Buffalo State College Weather Buoy 1</i>	42-33-42.000N 079-25-56.000W	FI Y 4s				Maintained from May.1 to Nov.30. Private aid.
3480	BARCELONA HARBOR EAST BREAKWATER LIGHT	42-20-43.062N 079-35-44.050W	FI G 4s	26 8	7	SG on post.	
3485	BARCELONA HARBOR WEST BREAKWATER LIGHT	42-20-42.800N 079-35-46.400W	FI R 4s	26 8	7	TR on post.	
3490	WILLIS CRIB DOCK LIGHT	42-10-30.031N 080-00-30.022W	FI W 4s	20 6	7	NB on gray post.	
3492	Willis Crib Isolated Danger Buoy DW	42-10-20.575N 080-00-54.116W				Black with red band.	Maintained from May 14 to Nov. 1.
<b>APPROACHES TO NIAGARA RIVER (Chart 14822)</b>							
3493	<i>Ocean Tech Meteorological Buoy 1</i>	42-44-25.020N 079-07-55.020W	Q Y				Maintained from Apr.1 to Apr.1. Private aid.
<b>ERIE HARBOR (Chart 14835)</b>							
<b>Erie Harbor</b>							
3495	- PIERHEAD LIGHT	42-09-21.913N 080-04-16.845W	FI R 2.5s	42 13	7	Square tower with black and white bands.	
3505	INTERNATIONAL PAPER EAST CRIB LIGHT	42-09-06.000N 080-03-30.000W	Q W	15 5		NG on gray pile.	Maintained from May 1 to Nov. 1. Private aid.
3510	International Paper Obstruction Buoy	42-08-48.200N 080-03-29.000W				White can with orange bands and diamond worded ROCKS.	Maintained from May 1 to Nov. 1. Private aid.
3515	- Entrance Lighted Bell Buoy 1	42-09-49.239N 080-03-10.731W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to May 1. AIS MMSI: 993672195
3520	- Entrance Lighted Buoy 2	42-09-53.063N 080-03-15.474W	FI R 4s		3	Red.	Year round lighted buoy
3525	- Entrance Buoy 3	42-09-32.339N 080-03-43.733W				Green can.	
3530	- Entrance Buoy 4	42-09-36.539N 080-03-47.533W				Red nun.	
3535	- Entrance Lighted Buoy 5	42-09-18.639N 080-04-12.034W	FI G 2.5s (NIGHT)  (DAY)		4	Green.	Replaced by can from Dec. 7 to May 1. AIS MMSI: 993672196
3540	- LIGHT 7	42-09-12.031N 080-04-24.022W	FI G 4s	27 8	4	SG on post.	
3545	- ENTRANCE RANGE FRONT LIGHT	42-09-08.126N 080-04-36.892W	F G	32 10		KRW on skeleton tower.	Visible 4° each side of range line.
3550	- ENTRANCE RANGE REAR LIGHT 752 feet, 235.3° from front light.	42-09-03.890N 080-04-45.100W	F G	62 19		KRW on skeleton tower.	Visible 4° each side of range line.
3555	JOHN E. LAMPE MUNICIPAL MARINA LIGHT 1	42-08-54.000N 080-04-30.000W	F G			SG on tower.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>ERIE HARBOR (Chart 14835)</b>							
<b>Erie Harbor</b>							
3560	JOHN E. LAMPE MUNICIPAL MARINA LIGHT 2	42-08-55.000N 080-04-26.000W	F R	25 8		TR on tower.	Private aid.
3565	- LIGHT 8	42-09-06.431N 080-04-53.222W	FI R 4s	30 9	4	TR on post.	
3570	- Junction Buoy M	42-09-05.159N 080-04-54.720W				Red with green band; nun.	
3575	- Lighted Buoy 9	42-08-53.139N 080-05-08.337W	FI G 2.5s		4	Green.	Replaced by can from Nov. 1 to May 15
3580	- Lighted Buoy 10	42-08-55.834N 080-05-17.116W	FI R 2.5s		4	Red.	Replaced by nun from Nov. 1 to May 15.
3585	- Lighted Buoy 11	42-08-47.048N 080-05-11.473W	FI G 4s		4	Green.	Replaced by can from Nov 1 to May 15.
3590	- Lighted Buoy 12	42-08-47.239N 080-05-32.538W	FI R 4s		4	Red.	Replaced by nun from Nov. 1 to May 15.
3595	- Lighted Buoy 13	42-08-36.082N 080-05-06.323W	FI G 2.5s		4	Green.	Replaced by can from Nov. 1 to May 15.
3596	- Lighted Buoy 14	42-08-34.251N 080-05-41.804W	FI R 4s		4	Red.	Replaced by can from Nov. 1 to May 15.
3597	- No Wake Buoy	42-08-18.300N 080-05-44.100W				White can with orange bands worded SLOW-NO WAKE.	Maintained from May 15 to Sep. 15. Private aid.
3597.5	- No Wake Buoy	42-08-23.000N 080-05-32.000W				White can with orange bands worded SLOW-NO WAKE.	Maintained from May 15 to Sep. 15. Private aid.
3598	- No Wake Buoy	42-08-26.200N 080-05-21.900W				White can with orange bands worded SLOW-NO WAKE.	Maintained from May 15 to Sep. 15. Private aid.
3598.5	- No Wake Buoy	42-08-30.000N 080-05-13.300W				White can with orange bands worded SLOW-NO WAKE.	Maintained from May 15 to Sep. 15. Private aid.
3599	- No Wake Buoy	42-08-31.700N 080-05-07.600W				White can with orange bands worded SLOW-NO WAKE.	Maintained from May 15 to Sep. 15. Private aid.
<b>Presque Isle Park</b>							
<i>Aids maintained from May 1 to Nov. 1.</i>							
3615	- RANGE FRONT LIGHT	42-09-20.900N 080-06-47.000W	F R	19 6		KWB on skeleton tower.	Private aid.
3620	- REAR RANGE LIGHT 425 feet, 339.8° from front light.	42-09-25.500N 080-06-49.300W	F R	31 9		KWB on skeleton tower.	Private aid.
3625	- LIGHT 1	42-09-10.200N 080-06-44.400W	FI G 2s	20 6		SG on post.	Private aid.
3630	- LIGHT 2	42-09-10.000N 080-06-39.100W	FI R 2s	20 6		TR on post.	Private aid.
3635	- LIGHT 3	42-09-13.000N 080-06-45.800W	FI G 2s	20 6		SG on post.	Private aid.
3640	- LIGHT 4	42-09-12.700N 080-06-40.800W	FI R 2s	20 6		TR on post.	Private aid.
<b>Erie Harbor</b>							
3645	- Water Pipe Intake Buoy A	42-08-07.500N 080-05-57.500W				White and orange bands; spar.	Maintained from May 1 to Nov. 1. Private aid.
3650	- Water Pipe Intake Buoy B	42-08-27.300N 080-06-47.500W				White with orange bands; spar.	Maintained from May 1 to Nov. 1. Private aid.
3655	- Water Pipe Intake Buoy C	42-08-18.900N 080-07-39.800W				White with orange bands; spar.	Maintained from May 1 to Nov. 1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>ERIE HARBOR (Chart 14835)</b>							
<b>Erie Harbor</b>							
<b>Erie Yacht Club</b>							
3660	- BREAKWATER LIGHT	42-07-24.900N 080-07-49.100W	FI W 2s	32 10		White lighthouse.	Maintained from Apr. 1 to Oct. 30. Private aid.
3665	- ENTRANCE LIGHT 1	42-07-23.000N 080-07-52.400W	F G	10 3		SG on skeleton tower.	Maintained from May 30 to Oct. 15. Private aid.
3670	- ENTRANCE LIGHT 2	42-07-21.900N 080-07-57.700W	F R	10 3		TR on skeleton tower.	Maintained from May 30 to Oct. 15. Private aid.
3675	Erie Harbor West Shoal Buoy A	42-07-44.300N 080-08-05.700W				White can with orange bands.	Maintained from May 15 to Sep. 15. Private aid.
3680	Erie Harbor West Shoal Buoy B	42-07-40.000N 080-08-10.900W				White can with orange bands.	Maintained from May 15 to Sep. 15. Private aid.
3685	Erie Harbor West Shoal Buoy C	42-07-39.100N 080-08-19.500W				White can with orange bands.	Maintained from May 15 to Sep. 15. Private aid.
<b>SIXTEEN MILE CREEK TO CONNEAUT (Chart 14824)</b>							
3690	<b>Presque Isle Light</b>	42-09-56.831N 080-06-55.522W	Iso W 6s	73 22	15	Square tower.	
3692	DEP PA	42-08-39.840N 080-07-30.000W	FI Y 4s				Private aid.
3693	NOAA RSC A	42-08-52.520N 080-15-59.040W	FI Y 4s				Private aid.
3694	Canadian Spar Buoy 5 (C)	42-10-04.000N 080-17-01.000W	F Y				Maintained from Apr. 1 to Nov. 30 Private aid.
3695	WALNUT CREEK BREAKWATER LIGHT	42-04-38.500N 080-14-25.000W	FI R 2.5s	14 4		On pile.	Maintained from May 1 to Nov. 1. Private aid.
3696	WALNUT CREEK CHANNEL LIGHT	42-04-37.600N 080-14-23.100W	FI G 2s	12 4		On steel tower	Maintained from May 1 to Nov. 1. Private aid.
3697	NOAA CHP Buoy 8	42-04-07.025N 080-25-01.100W	FI Y 4s				Maintained from May.1 to Dec.1. Private aid.
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
3699	NOAA GLERL CHP 10 North of Presque Isle Wave Buoy 1	42-21-19.776N 080-04-21.828W	FI Y 4s				Maintained from May.1 to Dec.1. Private aid.
<b>SIXTEEN MILE CREEK TO CONNEAUT (Chart 14824)</b>							
<b>Conneaut Harbor</b>							
3700	- BREAKWATER LIGHT 1	41-58-50.053N 080-33-20.405W	FI G 4s	46 14	6	SG on gray post.	
3705	- West Breakwater Light	41-58-48.106N 080-33-27.321W	FI R 10s	80 24	12	Square pyramidal tower. 80	
3710	- EAST GAP LIGHT 1	41-58-25.578N 080-32-44.091W	FI G 4s	25 8	4	SG on post.	
3715	- PIER LIGHT 3	41-58-21.133N 080-32-55.571W	FI G 2.5s	20 6	4	SG on post.	
3720	- PIER LIGHT 4	41-58-21.119N 080-32-54.972W	Iso R 6s	28 9	4	TR on post.	
3723	CONNEAUT BOAT CLUB EAST LIGHT	41-58-17.820N 080-33-07.560W	F G	14 4		SG on post.	Maintained from May 1 to Nov. 1. Private aid.
3725	CONNEAUT BOAT CLUB WEST LIGHT	41-58-17.800N 080-33-08.580W	F R	14 4		TR on post.	Maintained from May 1 to Nov. 1. Private aid.
3731	- NORTH LIGHT 1	41-58-13.000N 080-33-20.000W	FI G 3s	19 6		SG on post.	Maintained from May 1 to Nov. 1. Private aid.
3732	- NORTH LIGHT 2	41-58-14.300N 080-33-19.800W	FI R 3s	19 6		TR on post.	Maintained from May 1 to Nov. 1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>SIXTEEN MILE CREEK TO CONNEAUT (Chart 14824)</b>							
<b>Conneaut Harbor</b>							
3733	- Lighted Buoy 2	41-58-14.520N 080-33-22.320W	FI R 2.5s				Maintained from May 1 to Nov. 1. Private aid.
3734	- Lighted Buoy 4	41-58-09.220N 080-33-20.570W	FI R 2.5s				Maintained from May 1 to Nov. 1. Private aid.
3735	- Lighted Buoy 6	41-58-06.120N 080-33-20.500W	FI R 2.5s				Maintained from May 1 to Nov. 1. Private aid.
3736	- Lighted Buoy 1	41-58-15.100N 080-33-18.560W	FI G 2.5s				Maintained from May 1 to Nov. 1. Private aid.
3737	- Lighted Buoy 3	41-58-06.440N 080-33-18.450W	FI G 2.5s				Maintained from May 1 to Nov. 1. Private aid.
3738	- Lighted Buoy 5	41-58-06.590N 080-33-18.280W	FI G 2.5s				Maintained from May 1 to Nov. 1. Private aid.
<b>ASHTABULA TO CHAGRIN RIVER</b>							
3739	NOAA CHP Buoy 9	42-10-08.100N 080-51-06.100W	FI Y 4s				Maintained from May 1 to Dec. 1. Private aid.
3742	ASHTABULA TOWNSHIP BREAKWALL LIGHT	41-54-30.000N 080-46-48.100W	F Y		7 2	On single pile.	Private aid.
<b>ASHTABULA HARBOR</b>							
<b>Ashtabula Harbor</b>							
3745	- LIGHT	41-55-06.586N 080-47-45.863W	FI Y 6s	51 16	9		
3750	ASHTABULA EAST BREAKWATER SOUTH END LIGHT	41-54-47.671N 080-46-48.066W	FI W 4s	25 8	8	NR on post.	
3755	- ENTRANCE LIGHT 1	41-55-11.617N 080-47-33.162W	FI G 4s	34 10	7	White cylindrical tower with green band.	
3760	- ENTRANCE LIGHT 2	41-55-11.712N 080-47-42.140W	FI R 2.5s	40 12	7	White cylindrical tower with red band.	
3763	Limno Tech Ashtabula Harbor Weather Buoy 1	41-54-30.150N 080-48-47.130W	FI Y 4s				Maintained from Apr. 15 to Nov. 15. Private aid.
3765	- Lighted Buoy 3	41-55-04.740N 080-47-30.488W	FI G 2.5s (NIGHT)  (DAY)		3	Green.	Year round lighted buoy
3770	- Junction Lighted Buoy A	41-54-57.080N 080-47-33.848W	FI (2+1)G 6s (NIGHT)  (DAY)		3	Green with red band.	Year round lighted buoy.
3775	- INNER BREAKWATER LIGHT 7	41-54-43.267N 080-47-38.375W	FI G 2.5s	34 10	7	SG on post	
3780	- East Basin Lighted Buoy 1	41-54-54.711N 080-47-18.697W	FI G 4s (NIGHT)  (DAY)		4	Green.	Replaced by can Nov 15 to Apr 15
3785	- East Basin Lighted Buoy 2	41-54-49.041N 080-47-24.407W	FI R 4s		3	Red.	Year round lighted buoy.
3790	ASHTABULA RIVER LIGHT 1	41-54-38.631N 080-47-52.323W	FI G 2.5s	31 9	4	SG on post.	
3795	Ashtabula River Lighted Buoy 2	41-54-39.289N 080-47-54.996W	FI R 4s		3	Red	Maintained from Apr 15 to Nov. 15.
3800	ASHTABULA RIVER LIGHT 4	41-54-32.831N 080-47-57.123W	FI R 6s	35 11	7	TR on grey post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>ASHTABULA HARBOR</b>							
<b>Ashtabula Harbor</b>							
3802	Ashtabula Buoy 5	41-53-53.731N 080-47-36.863W					Maintained from Apr. 14 to Nov. 14.
3803	Ashtabula Buoy 7	41-53-41.911N 080-47-45.623W					Maintained from Apr. 14 to Nov. 14.
<b>ASTABULA TO CHAGRIN RIVER</b>							
3825	GENEVA ON THE LAKE LIGHT 1	41-51-33.499N 080-58-27.947W	FI G 2.5s	31 9	3	White cylindrical tower with green band.	
3830	GENEVA ON THE LAKE LIGHT 2	41-51-35.031N 080-58-26.023W	FI R 2.5s	31 9	5	TR on post.	
<b>ASHTABULA TO CHAGRIN RIVER</b>							
3832	NORTH PERRY LIGHT 1	41-49-11.364N 081-06-13.825W	FI G 4s				Private aid.
3832.1	NORTH PERRY EAST BREAKWATER LIGHT	41-49-11.610N 081-06-10.977W	FI W 4s				Private aid.
3833	NORTH PERRY LIGHT 2	41-49-10.757N 081-06-15.644W	FI R 4s				Private aid.
3833.1	NORTH PERRY WEST BREAKWATER LIGHT	41-49-08.039N 081-06-21.085W	FI W 4s				Private aid.
3834	PAINESVILLE FISHING PIER LIGHT	41-46-01.540N 081-14-01.440W					Private aid.
<b>FAIRPORT HARBOR</b>							
<b>Fairport Harbor</b>							
3835	- EAST BREAKWATER EAST END LIGHT	41-46-03.061N 081-15-21.574W	FI R 4s	28 9	6	TR on pile.	
3840	- BREAKWATER LIGHT A	41-45-57.655N 081-16-00.222W	FI Y 2.5s	27 8	4	NY on post.	
<b>ASHTABULA TO CHAGRIN RIVER</b>							
<b>Fairport Harbor</b>							
3845	- BREAKWATER LIGHT B	41-46-00.133N 081-15-43.302W	FI Y 2.5s	27 8	4	NY on post.	
3850	<i>Lake County Outer PWI Crib Lighted Buoy</i> Marks north side of crib.	41-46-05.600N 081-15-46.200W	FI W 3s			White with orange bands and diamond.	Maintained from Apr. 15 to Nov. 15. Private aid.
3855	LAKE COUNTY INNER CRIB LIGHT	41-45-39.200N 081-15-40.000W	FI W 2.5s	15 5		NW on post.	Maintained from Apr. 15 to Nov. 15. Private aid.
3860	- EAST BREAKWATER LIGHT	41-46-04.531N 081-16-43.824W	FI G 4s	37 11	6	SG on post.	
3865	- WEST BREAKWATER EXTENSION LIGHT	41-46-10.031N 081-16-50.024W	FI R 2.5s	46 14	7	TR on post.	
3870	- <b>West Breakwater Light</b>	41-46-04.331N 081-16-52.224W	Iso W 6s	56 17	13	Tower. 56	Fog Signal operates by keying microphone five times on VHF FM Channel 83A. HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si).
3880	- WEST PIER LIGHT	41-45-42.031N 081-16-48.024W	F R	38 12	7	White cylindrical tower with red band.	
3885	- EAST PIER LIGHT	41-45-41.391N 081-16-47.874W	Iso G 6s	26 8	6	SG on post.	
3890	- PORT AUTHORITY BOAT RAMP LIGHT	41-45-34.200N 081-16-41.800W	Q R	13 4		On post.	Maintained from May 1 to Oct 31. Private aid.
3891	- PORT AUTHORITY BREAKWATER LIGHT	41-45-36.000N 081-16-40.000W	FI W 4s	9 3		On post.	Private aid.
3895	MORTON SALT COMPANY BOATLOADING NORTH LIGHT	41-45-15.300N 081-16-49.800W	F R	13 4			Maintained from May 1 to Nov. 1. Private aid.
<b>ASHTABULA TO CHAGRIN RIVER</b>							
3896	MORTON SALT COMPANY BOATLOADING SOUTH LIGHT	41-45-15.000N 081-16-50.000W	F R	13 4			Maintained from May.1 to Nov.1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>ASHTABULA TO CHAGRIN RIVER</b>							
<b>Fairport Harbor</b>							
3900	MORTON SALT COMPANY DOLPHIN LIGHT	41-45-12.600N 081-16-49.900W	F R	9 3		On dolphin.	Maintained from May 1 to Nov. 1. Private aid.
3905	<i>Painesville Inner Intake Crib Lighted Buoy 1</i>	41-45-23.800N 081-17-52.500W	Q G			Green.	Maintained from Apr. 15 to Nov. 15. Private aid.
<b>ASHTABULA TO CHAGRIN RIVER</b>							
3908	<i>Limno Tech Fairport Harbor Weather Buoy H</i>	41-43-31.650N 081-22-12.650W	FI Y 4s				Maintained from Apr.15 to Nov.15. Private aid.
<b>Mentor Harbor</b>							
<i>Aids maintained from May 1 to Nov. 1.</i>							
3910	- LIGHT 1	41-43-30.000N 081-21-00.000W	F G	21 6		SG on white pile.	Private aid.
3915	- LIGHT 2	41-43-30.000N 081-21-00.000W	F R	21 6		TR on white pile.	Private aid.
3920	- LIGHT 3	41-43-30.000N 081-21-00.000W	FI W 2s	33 10		White diamond daymark on white pile.	Private aid.
3925	- LIGHT 4	41-43-30.000N 081-21-00.000W	F R	10 3		On post.	Private aid.
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
3937	<i>Canada Weather Spar Buoy 955 (C)</i>	41-48-00.000N 081-26-50.000W	FI Y 4s			Spar Buoy	Maintained from Apr.1 to Nov.1. Private aid.
<b>ASHTABULA TO CHAGRIN RIVER</b>							
3940	CHAGRIN EAST PIER LIGHT	41-40-37.800N 081-26-13.200W	FI G 4s	22 7		On green post.	Maintained from May 1 to Oct. 31. Private aid.
3945	CHAGRIN WEST PIER LIGHT	41-40-37.000N 081-26-15.100W	FI R 4s	27 8		On red post.	Maintained from May 1 to Oct. 31. Private aid.
3950	CHAGRIN WEST PIER INNER LIGHT	41-40-35.200N 081-26-13.300W	F R	32 10		On red post.	Maintained from May 1 to Oct. 31. Private aid.
3955	EASTLAKE INTAKE BREAKWATER LIGHT	41-40-27.400N 081-26-49.900W	Q Y	18 5		NW on post worded DANGER.	Maintained from Apr. 15 to Nov. 1. Private aid.
3960	<i>NOAA CHP Buoy 4</i>	41-59-04.000N 081-35-12.000W	FI Y 4s				Maintained from May.1 to Dec.1. Private aid.
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
3961	<i>NOAA / GLERL North of Euclid Harbor CHP 5 Weather Wave Buoy</i>	41-45-47.279N 081-25-42.480W	FI Y 4s			Yellow Spar Buoy	Maintained from June.1 to Dec.1. Private aid.
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
<b>Wildwood Park</b>							
<i>Lights maintained from May 1 to Oct. 15.</i>							
3975	- WEST DETACHED BREAKWATER LIGHT	41-35-17.000N 081-34-02.000W	Q W	16 5		NW on pile.	Private aid.
3980	- CENTER DETACHED BREAKWATER LIGHT	41-35-19.000N 081-34-00.000W	Q W	16 5		NW on pile.	Private aid.
3985	- EAST DETACHED BREAKWATER LIGHT	41-35-21.000N 081-39-59.000W	Q W	16 5		NW on pile.	Private aid.
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
3987	<i>NOAA / GLERL North of Cleveland Harbor CHP 3 Weather Wave Buoy</i>	41-36-51.480N 081-38-31.559W	FI Y 4s			Yellow Spar Buoy	Maintained from June.1 to Dec.1. Private aid.
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
<b>Wildwood Park</b>							
<i>Lights maintained from May 1 to Oct. 15.</i>							
3990	- EAST PIERHEAD LIGHT	41-35-18.000N 081-34-58.000W	FI G 4s	16 5		SG on pile.	Private aid.
3995	- WEST PIERHEAD LIGHT	41-35-14.000N 081-33-58.000W	FI R 4s	16 5		TR on pile.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
<b>Wildwood Park</b>							
<i>Lights maintained from May 1 to Oct. 15.</i>							
3996	- INNER PIERHEAD LIGHT	41-35-15.000N 081-33-54.000W	FI G 4s	16 5		SG on pile.	Private aid.
4000	EUCLID BEACH EAST BREAKWATER LIGHT	41-35-01.000N 081-34-07.000W	Q G	26 8		On post.	Private aid.
4005	EUCLID BEACH WEST BREAKWATER LIGHT	41-35-01.000N 081-34-15.000W	Q G	26 8		On post.	Private aid.
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
4009	<i>Limno Tech Euclid Beach Weather Buoy G</i>	41-35-07.230N 081-34-58.500W	FI Y 4s				Maintained from Apr.15 to Nov.15. Private aid.
4010	<i>Limno Tech Euclid Weather Buoy 1</i>	41-31-15.440N 081-52-49.030W	FI Y 4s				Maintained from May.1 to Nov.30. Private aid.
<b>Wildwood Park</b>							
<i>Lights maintained from May 1 to Oct. 15.</i>							
4015	NORTHEAST YACHT CLUB OUTER LIGHT	41-34-25.000N 081-35-03.000W	F R	14 4		On pile.	Maintained from Mar. 15 to Nov. 1. Private aid.
4020	NORTHEAST YACHT CLUB INNER LIGHT	41-34-24.000N 081-35-04.000W	F G	14 4		On pile.	Maintained from Mar. 15 to Nov. 1. Private aid.
4021	NEWPORT HARBOR ENTRANCE LIGHT 1	41-33-25.000N 081-36-30.000W	F G	20 6		SG on post.	Maintained from May 1 to Nov. 1. Private aid.
4022	NEWPORT HARBOR ENTRANCE LIGHT 2	41-33-25.000N 081-36-33.000W	F R	20 6		TR on post.	Maintained from May 1 to Nov. 1. Private aid.
4025	<i>Cleveland Research Buoy</i>	41-44-00.660N 081-41-54.240W	FI Y 4s				Secured with two point mooring system, lighted spar buoys with the same flash characteristics marking mooring locations. Private aid.
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
4026	<i>Canada Weather Spar Buoy 957 (C)</i>	41-41-41.340N 081-45-07.870W	FI Y 4s				Maintained from Apr.15 to Nov.1. Private aid.
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
<b>Wildwood Park</b>							
<i>Lights maintained from May 1 to Oct. 15.</i>							
4027	<i>Limno Tech Cleveland A</i>	41-35-31.200N 081-47-31.200W					Private aid.
4027.1	<i>Limno Tech Cleveland B</i>	41-44-06.000N 081-41-52.800W					Private aid.
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
4028	<i>Canadian Weather Buoy 12 - 2 (C)</i>	41-56-14.000N 081-38-58.000W	F Y				Maintained from Apr. 1 to Nov. 30 Private aid.
4029	<i>Canadian Spar Buoy 68 (C)</i>	41-56-15.000N 081-38-42.000W	F Y				Maintained from Apr. 1 to Nov. 30 Private aid.
<b>Wildwood Park</b>							
<i>Lights maintained from May 1 to Oct. 15.</i>							
4030	CLEVELAND WATERWORKS INTAKE CRIB LIGHT	41-32-54.000N 081-45-00.000W	Q W	55 17		Square house on cylindrical crib.	Maintained from May 1 to Dec. 1. HORN: 1 blast ev 30s (3s bl). Private aid.
4035	<i>Cleveland Intake Lighted Buoy</i> Marks submerged water intake.	41-32-54.000N 081-45-48.000W	FI W 4s			White with orange bands.	Replaced by unlighted buoy from Nov. 1 to May. 1. Private aid.
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
4037	<i>Cleveland Water Quality</i>	41-33-07.560N 081-46-02.640W	FI Y 4s				Private aid.
<b>CLEVELAND HARBOR (Chart 14839)</b>							
<b>Cleveland Harbor</b>							
<b>Gordon Park</b>							
4040	- DISPOSAL LIGHT A	41-32-52.842N 081-38-00.720W	FI W 4s	40 12	7	NB on post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>CLEVELAND HARBOR (Chart 14839)</b>							
<b>Cleveland Harbor</b>							
<b>Gordon Park</b>							
4045	- BOAT BASIN LIGHT 1	41-32-33.606N 081-38-17.538W	FI G 2.5s	40 12	4	SG on post.	
4050	- BOAT BASIN ENTRANCE NORTH LIGHT	41-32-29.400N 081-38-08.900W	FI R 4s	18 5		On pile.	Maintained from May 1 to Oct. 15. Private aid.
4055	- BOAT BASIN ENTRANCE SOUTH LIGHT	41-32-27.700N 081-38-09.300W	FI G 4s	18 5		On pile.	Maintained from May 1 to Oct. 15. Private aid.
<b>Cleveland Harbor</b>							
<i>Lighted buoys maintained from Apr. 28 to Dec. 14.</i>							
4060	- EAST ENTRANCE LIGHT 2	41-32-35.010N 081-39-05.084W	Iso R 6s	59 18	9	White cylindrical tower with red band	
4065	- East Basin Channel Lighted Buoy 1	41-32-25.470N 081-39-02.655W	FI G 4s		4	Green.	Year round buoy unlighted from Dec. 1 to Apr. 14.
4075	- EAST 55TH STREET MARINA ENTRANCE NORTH LIGHT	41-31-57.500N 081-39-14.800W	FI G 4s	14 4		On pile.	Maintained from May 1 to Oct. 15. Private aid.
4080	- EAST 55TH STREET MARINA ENTRANCE SOUTH LIGHT	41-31-57.000N 081-39-12.200W	FI R 4s	18 5		On pile.	Maintained from May 1 to Oct. 15. Private aid.
4085	- East Basin Channel Lighted Buoy 3	41-31-55.460N 081-39-55.692W	FI G 4s		4	Green.	Year round buoy unlighted from Dec. 1 to Apr. 14.
4095	- EAST BASIN DIKE LIGHT 2	41-31-43.807N 081-39-44.528W	FI R 4s	27 8	4	TR on skeleton tower.	
4100	Forest City Yacht Club 4	41-31-38.487N 081-39-40.278W				Red nun.	Private aid.
4105	LAKESIDE YACHT CLUB ENTRANCE NORTH LIGHT	41-31-12.400N 081-40-00.800W	F G	7 2		On post.	Maintained from Mar. 1 to Dec. 1. Private aid.
4110	LAKESIDE YACHT CLUB ENTRANCE SOUTH LIGHT	41-31-12.400N 081-40-00.800W	F R	7 2		On post.	Maintained from Mar. 1 to Dec. 1. Private aid.
4120	- East Basin Channel Lighted Buoy 4	41-31-59.272N 081-39-59.153W	FI R 6s		4	Red.	Year round buoy unlighted from Dec. 1 to Apr. 14.
4135	- East Basin Channel Lighted Buoy 5	41-30-49.222N 081-41-52.375W	FI G 4s		4	Green.	Year round buoy unlighted from Dec 1 to Apr 14.
4140	- East Basin Channel Lighted Buoy 6	41-30-53.116N 081-41-56.242W	FI R 6s		4	Red.	Year round buoy unlighted from Dec 1 to Apr 14.
4147	North Coast Harbor Daybeacon 1	41-30-37.500N 081-41-53.700W				SG on pilings.	Private aid.
4155	- East Basin Channel Lighted Buoy 8	41-30-36.212N 081-42-26.047W	FI R 4s		4	Red.	Year Round Lighted Buoy
4160	- Main Entrance Light	41-30-32.240N 081-43-04.374W	FI R 6s	63 19	14	White conical tower with fog signal building attached. 50	HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates by keying microphone five times on VHF-FM Ch. 83A.
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
4163	<i>Limno Tech Edgewater Weather Buoy F</i>	41-30-03.700N 081-44-53.510W	FI Y 4s				Maintained from Apr.15 to Nov.15 Private aid.
<b>CLEVELAND HARBOR (Chart 14839)</b>							
<b>Cleveland Harbor</b>							
<i>Lighted buoys maintained from Apr. 28 to Dec. 14.</i>							
4165	- MAIN ENTRANCE LIGHT 1	41-30-36.558N 081-42-55.740W	Iso G 6s	39 12	7	Tower.	
4170	- LIGHT 3	41-30-28.404N 081-42-47.688W	FI G 4s	29 9	4	SG on post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>CLEVELAND HARBOR (Chart 14839)</b>							
<b>Cleveland Harbor</b>							
<i>Lighted buoys maintained from Apr. 28 to Dec. 14.</i>							
4175	- LIGHT 4	41-30-23.130N 081-42-57.424W	FI R 4s	29 9	6	TR on post.	
4180	- LIGHT 5	41-30-14.300N 081-42-41.714W	FI G 2.5s	31 9	4	SG on post.	
4185	- LIGHT 6	41-30-12.846N 081-42-45.252W	FI R 2.5s	27 8	5	TR on post.	
<b>Whiskey Island Marina</b>							
4190	- ENTRANCE LIGHT 1	41-29-59.000N 081-43-02.000W	FI G 2s	7 2		SG on post.	Private aid.
4191	- ENTRANCE LIGHT 2	41-29-57.200N 081-43-04.000W	FI R 2s	7 2		TR on post.	Private aid.
<b>Cleveland Harbor West Basin Channel</b>							
4200	<i>Great Lakes East Mooring</i>	41-30-01.660N 081-43-19.140W	F W				Maintained from Apr. 15 to Nov. 15. Private aid.
4200.1	<i>Great Lakes West Mooring</i>	41-29-57.510N 081-43-26.570W	F W				Maintained from Apr. 15 to Nov. 15. Private aid.
4215	- LIGHT 1	41-29-46.140N 081-43-45.288W	Q G	31 9	6	SG on post.	Light visible from 255° to 200°.
4220	- LIGHT 2	41-29-44.624N 081-43-46.768W	FI R 2.5s	30 9	4	TR on post.	
4225	- JUNCTION LIGHT	41-29-43.014N 081-43-42.000W	Iso W 6s	21 6	W 3 G 3 R 3	JG on post.	White light visible from 123° to 133°. Red light visible from 114° to 122°. Green light visible from 134° to 140°.
4230	- Daybeacon 4	41-29-42.930N 081-43-45.024W				TR on triangular tower.	
4232	- LIGHT 7	41-29-47.330N 081-43-37.924W	FI G 2.5s	31 9	4	SG on post.	Light visible from 210° to 070°.
4233	- LIGHT 8	41-29-45.342N 081-43-37.500W	FI R 6s	31 9	4	TR on post.	Light visible from 210° to 100°.
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
4245	ROCKY RIVER LIGHT 1	41-29-30.894N 081-50-20.166W	FI G 2.5s	35 11	6	White cylindrical tower with green band.	
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
4247	<i>Limno Tech Rocky River Weather Buoy 1</i>	41-37-09.940N 081-37-03.430W	FI Y 4s				Maintained from May.1 to Nov.30. Private aid.
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
4250	ROCKY RIVER BREAKWATER LIGHT	41-29-24.430N 081-50-10.524W	FI Y 4s	28 9	6	NY on post.	
4255	BRADSTREET LANDING DOCK LIGHT	41-29-07.000N 081-52-03.000W	FI G 6s	36 11		On post.	Maintained from Apr. 15 to Nov. 15. Private aid.
4256	CASHELMARA JETTY LIGHT	41-29-00.000N 081-52-42.000W	Q Y	20 6		On post.	Maintained from Apr. 15 to Nov. 15. Private aid.
<b>Avon Lake</b>							
<i>Launch Basin aids maintained from Apr. 1 to Nov. 1.</i>							
4270	- INTAKE BREAKWATER LIGHT	41-30-30.000N 082-03-18.000W	FI W 2.5s	12 4		NB on pedestal.	Private aid.
4274	- LAUNCH BASIN LIGHT 1	41-30-17.000N 082-03-37.000W	FI G 4s	25 8		SG on post.	Private aid.
4275	- LAUNCH BASIN LIGHT 2	41-30-17.000N 082-03-41.000W	FI R 2.5s	25 8		TR on post.	Private aid.
4280	- LAUNCH BASIN BREAKWATER LIGHT	41-30-13.000N 082-03-45.000W	Q W	27 8		NW on post worded DANGER.	Private aid.
<b>GENEVA TO LORAIN (Chart 14829)</b>							
4285	NOAA CHP Buoy 2	41-45-10.300N 082-07-13.100W	FI Y 4s				Maintained from May.1 to Dec.1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
4300	SHEFFIELD LAKE LIGHT 1	41-29-27.944N 082-06-49.319W	FI G 4s				Private aid.
4301	SHEFFIELD LAKE LIGHT 2	41-29-27.484N 082-06-49.042W	FI R 4s				Private aid.
4305	<i>Limno Tech Sheffield Weather Buoy E</i>	41-30-30.260N 082-06-53.150W	FI Y 4s				Maintained from Apr. 15 to Nov. 15. Private aid.
<b>LORAIN HARBOR</b>							
<b>Lorain Harbor</b>							
4320	- Light	41-28-51.650N 082-11-43.314W	FI W 6s	60 18	12	On tower. 50	HORN: 1 blast ev 30s (3s bl-27s si). Operates by keying microphone five times on VHF-FM Ch. 83A.
4323	- DETACHED BREAKWATER MIDDLE LIGHT	41-28-49.830N 082-11-29.124W	FI Y 4s	20 6	3	On post.	
4325	- DETACHED BREAKWATER EAST LIGHT	41-28-47.550N 082-11-17.224W	Q Y	25 8	4	NY on post.	
4330	- LIGHT 1	41-28-42.012N 082-11-16.938W	FI G 2.5s	30 9	4	SG on post.	
4335	- LIGHT 2	41-28-39.030N 082-11-26.024W	FI R 4s	58 18	7		
4345	- Lighted Buoy 5	41-28-31.105N 082-11-03.619W	FI G 4s		4	Green.	Year round buoy unlighted from Dec 1 to Apr 14.
4350	- LIGHT 6	41-28-25.830N 082-11-09.724W	FI R 6s	32 10	4	TR on post.	
4355	- LIGHT 7	41-28-24.830N 082-10-57.624W	FI G 4s	32 10	4	SG on post.	
4360	- INNER HARBOR DETACHED BREAKWATER LIGHT	41-28-27.962N 082-10-55.509W	FI Y 2.5s	32 10	4	NY on post.	
4365	- EAST BREAKWATER MIDDLE LIGHT	41-28-35.544N 082-10-52.227W	FI Y 4s	25 8	8	NY on post.	
4370	- Inner Harbor Daybeacon 1	41-28-26.130N 082-10-52.524W				SG on post.	
4375	- Inner Harbor Daybeacon 2	41-28-23.330N 082-10-54.924W				TR on post.	
4380	- JUNCTION LIGHT	41-28-20.844N 082-10-57.492W	FI (2+1)G 6s	30 9	6	JG on post.	
4390	LAKEVIEW PARK WEST LIGHT	41-27-49.301N 082-11-52.999W	FI Y 2.5s	30 9	4	NY on post.	
4395	LAKEVIEW PARK EAST LIGHT	41-27-54.830N 082-11-41.724W	FI Y 4s	30 9	4	NY on post.	
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
<b>Beaver Creek</b>							
<i>Lights maintained from May 1 to Oct. 31.</i>							
4410	- ENTRANCE LIGHT 1	41-26-16.000N 082-15-09.300W	F G	25 8		SG on lighthouse.	Private aid.
4415	- ENTRANCE LIGHT 2	41-26-15.100N 082-15-10.500W	F R	15 5		TR on post.	Private aid.
4420	- ENTRANCE LIGHT 4	41-26-13.200N 082-15-07.300W	FI R 2.5s	15 5		TR on post.	Private aid.
4425	- ENTRANCE LIGHT 5	41-26-12.700N 082-15-09.800W	F G	15 5		SG on post.	Private aid.
4426	- ENTRANCE LIGHT 6	41-26-12.200N 082-15-06.900W	F R	15 5		TR on post.	Private aid.
4429	- Water Tower Light	41-25-17.200N 082-21-30.300W	FI W 4s	191 58		White, single-pedestal watersphere. 150	Private aid.
<b>Vermilion</b>							
4430	- DETACHED BREAKWATER LIGHT A	41-25-45.030N 082-21-45.525W	Q W	25 8	4	NB on post.	
4435	- DETACHED BREAKWATER LIGHT B	41-25-45.130N 082-21-50.125W	FI W 6s	30 9	8	NB on post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>MOSS POINT TO VERMILLION (Chart 14826)</b>							
<b>Beaver Creek</b>							
<b>Vermilion</b>							
4440	- BREAKWATER DETACHED LIGHT C	41-25-44.352N 082-21-55.963W	Q W	25 8	4	NB on post.	
4445	- EAST PIERHEAD LIGHT 1	41-25-42.130N 082-21-49.525W	FI G 4s	22 7	4	SG on post.	
4450	- WEST PIERHEAD LIGHT 2	41-25-41.480N 082-21-51.445W	FI R 4s	27 8	4	TR on post.	
4451	- MUSEUM LIGHTHOUSE	41-25-30.800N 082-22-00.500W	F W	35 11		White conical tower.	Private aid.
4455	BEACHWOOD VILLA LIGHT 1	41-23-16.300N 082-31-26.800W	F G	15 5		SG on post.	Maintained from May 1 to Nov. 1. Private aid.
4460	BEACHWOOD VILLA LIGHT 2	41-23-17.200N 082-31-26.000W	F R	15 5		TR on post.	Maintained from May 1 to Nov. 1. Private aid.
<b>SOUTH SHORE OF LAKE ERIE (Chart 14842)</b>							
<b>West End Sandusky Bay</b>							
<b>Muddy Creek</b>							
4465	NOAA CHP Buoy 1	41-27-08.300N 082-28-16.030W	FI Y 4s				Maintained from May.1 to Dec.1. Private aid.
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
4467	Canada Weather Spar Buoy 965 (C)	41-30-00.000N 082-30-00.000W	FI Y 4s			Spar Buoy	Maintained from Apr.1 to Nov.1. Private aid.
4470	Limno Tech OWC Huron Weather Buoy D	41-23-33.700N 082-30-43.560W	FI Y 4s				Maintained from Apr.15 to Nov.15. Private aid.
<b>HURON HARBOR</b>							
<b>Huron Harbor</b>							
4475	- Light	41-24-16.520N 082-32-38.185W	Iso R 6s	80 24	12	Square pyramidal tower. 80	HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates by keying microphone five times on VHF-FM Ch. 83A.
4485	- Entrance Lighted Buoy 1	41-24-32.083N 082-32-13.994W	FI G 6s		4	Green.	Replaced by can from Dec. 1 to Apr. 14.
4490	- Entrance Buoy 2	41-24-34.163N 082-32-18.444W				Red nun.	
4495	- Entrance Buoy 3	41-24-14.054N 082-32-32.865W				Green can.	
4500	- LIGHT 5	41-24-01.860N 082-32-43.085W	FI G 4s	25 8	5	SG on post.	
4505	- LIGHT 8	41-23-57.120N 082-32-56.115W	FI R 4s	27 8	5	TR on post.	
4510	- LIGHT 7	41-23-54.540N 082-32-53.585W	FI G 2.5s	25 8	4	SG on post.	
4515	HURON RIVER MOORING BASIN NORTH LIGHT	41-23-36.000N 082-23-13.800W	F R	15 5		On pile.	Maintained from May 1 to Oct. 1. Private aid.
4520	HURON RIVER MOORING BASIN SOUTH LIGHT	41-23-35.200N 082-33-13.700W	F G	15 5		On pile.	Maintained from May 1 to Oct. 1. Private aid.
<b>WEST END OF LAKE ERIE (Chart 14830)</b>							
4525	SAWMILL CREEK ENTRANCE EAST LIGHT	41-25-00.000N 082-35-38.000W	F G	20 6		Pole on seawall.	Maintained from May 1 to Nov. 1. Private aid.
4530	SAWMILL CREEK ENTRANCE WEST LIGHT	41-25-03.000N 082-35-41.000W	F R	20 6		Pole on seawall.	Maintained from May 1 to Nov. 1. Private aid.
<b>LAKE ERIE (Chart 14820)</b>							
<b>SANDUSKY HARBOR</b>							
<b>Sandusky Harbor</b>							
4550	BGSU Sandusky Buoy	41-27-46.599N 082-39-00.629W	FI Y 4s				Maintained from May 1 to Nov.1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE (Chart 14820)</b>							
<b>SANDUSKY HARBOR</b>							
<b>Sandusky Harbor</b>							
4560	- Breakwater Light	41-29-57.178N 082-40-28.905W	Fl W 6s	30 9	11	White cylindrical tower with green band. 30	HORN: 1 blast ev 30s (3s bl-27s si). Operates by keying microphone five times on VHF-FM Ch. 83A.
<b>LAKE ERIE</b>							
<b>SANDUSKY HARBOR</b>							
<b>Sandusky Harbor</b>							
<b>Moseley Channel</b>							
4570	- RANGE FRONT LIGHT	41-29-11.151N 082-42-12.546W	Q G	33 10		KRW on white cylindrical tower.	Higher intensity on range line.
4575	- RANGE REAR LIGHT 2,606 feet, 237.0° from front light.	41-28-57.144N 082-42-41.279W	Iso G 6s	77 23		KRW on white cylindrical tower.	Higher intensity on range line.
4580	- Lighted Bell Buoy 1	41-30-20.306N 082-39-45.672W	Fl G 4s		4	Green.	Maintained from Apr. 14 to Dec. 1. AIS MMSI: 993672197
4585	- Lighted Buoy 2	41-30-23.606N 082-39-48.672W	Fl R 4s		4	Red.	Maintained from Apr. 14 to Dec. 1. AIS MMSI: 993672198
4595	- Lighted Buoy 4	41-30-02.402N 082-40-32.520W	Fl R 4s		4	Red.	Replaced by nun from Dec. 1 to Apr. 14.
4600	- Lighted Buoy 5	41-29-41.109N 082-41-06.177W	Fl G 4s		4	Green.	Maintained from Apr. 14 to Dec. 07.
4605	- Lighted Buoy 6	41-29-44.509N 082-41-08.778W	Fl R 4s		4	Red.	Replaced by nun from Dec. 1 to Apr. 14.
4610	- Buoy 8	41-29-31.499N 082-41-35.441W				Red nun.	
4615	- Lighted Buoy 9	41-29-24.433N 082-41-39.782W	Q G		4	Green.	Year round lighted buoy.
4620	- Lighted Buoy 10	41-29-23.416N 082-41-49.486W	Fl R 2.5s		4	Red.	Replaced by can from Dec. 7 to Apr. 14.
<b>Sandusky Straight Channel</b>							
4625	- RANGE FRONT LIGHT	41-29-28.985N 082-41-45.755W	Q W	33 10		KRW on white cylindrical tower.	Higher intensity on range line.
4630	- RANGE REAR LIGHT 1,513 feet, 017.1° from front light.	41-29-43.278N 082-41-39.916W	Iso W 6s	77 23		KRW on white cylindrical tower.	Higher intensity on range line.
4635	- Lighted Buoy 11	41-29-14.410N 082-41-48.880W	Q G		4	Green.	Replaced by can from Dec. 7 to Apr. 14.
4640	- Lighted Buoy 12	41-29-10.292N 082-41-56.601W	Fl R 4s		4	Red.	Replaced by nun from Dec. 7 to Apr. 14.
4645	CEDAR POINT WATER INTAKE LIGHT	41-29-00.900N 082-41-36.400W	Fl Y 4s	20 6		NY on green post.	Maintained from Apr. 1 to Dec. 1. Private aid.
4650	- Lighted Buoy 13	41-28-32.211N 082-42-06.282W	Fl G 4s		4	Green.	Replaced by can from Dec. 7 to Apr. 14.
4655	- Lighted Buoy 14	41-28-33.011N 082-42-11.682W	Fl R 2.5s		4	Red.	
4660	Sandusky Exit Channel Junction Lighted Buoy E	41-28-22.811N 082-42-15.682W	Fl (2+1)R 6s		4	Red and green bands.	Replaced by nun from Dec. 7 to Apr. 14.
4665	- Buoy 15	41-27-54.012N 082-42-21.882W				Green can.	
4670	- Lighted Buoy 16	41-27-52.712N 082-42-27.883W	Fl R 2.5s		4	Red.	Replaced by nun from Dec. 7 to Apr. 14.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>SANDUSKY HARBOR</b>							
<b>Sandusky Harbor</b>							
<b>Sandusky Dock Channel</b>							
4675	- Lighted Buoy 18	41-27-43.113N 082-42-39.184W	FI R 4s		4	Red.	Replaced by nun from Dec. 7 to Apr. 14.
4676	DOCK OF THE BAY MARINA ENTRANCE LIGHT	41-27-37.700N 082-42-41.600W	F R	18 5		TR on white post.	Maintained from Apr. 7 to Dec. 1. Private aid.
4677	DOCK OF THE BAY MARINA EAST BREAKWATER LIGHT	41-27-38.200N 082-42-42.800W	F W	18 5		On grey post.	Maintained from Apr. 7 to Dec. 1. Private aid.
4678	DOCK OF THE BAY MARINA WEST BREAKWATER LIGHT	41-27-35.700N 082-42-49.000W	F W	18 5		On grey post.	Maintained from Apr. 7 to Dec. 1. Private aid.
4680	- Lighted Buoy 20	41-27-33.113N 082-43-05.985W	FI R 4s (NIGHT)  (DAY)		4	Red.	Replaced by nun from Dec. 7 to Apr. 14.
4685	- LIGHT 21	41-27-25.185N 082-43-16.325W	FI G 4s	19 6	5	SG on pile.	
4690	- Lighted Buoy 23	41-27-18.191N 082-43-36.352W	FI G 4s (NIGHT)  (DAY)		4	Green.	Replaced by can from Dec. 7 to Apr. 14.
4695	- Lighted Buoy 24	41-27-21.014N 082-43-38.487W	FI R 4s		4	Red.	Replaced by nun from Dec. 7 to Apr. 14.
4705	SANDUSKY HARBOR TURNING BASIN LIGHT	41-27-23.101N 082-43-44.754W	FI W 2.5s	20 6	5	NR on post.	
<b>Sandusky Bay Exit Channel</b>							
4710	- Buoy 9	41-27-27.414N 082-43-50.688W				Green can.	
4715	- Lighted Buoy 7	41-27-44.064N 082-43-45.115W	FI G 2.5s		4	Green.	Replaced by can from Dec. 7 to Apr. 14.
4720	- Buoy 8	41-27-51.714N 082-43-47.688W				Red nun.	
4725	- RANGE FRONT LIGHT	41-28-33.640N 082-41-50.605W	Q G	33 10		KRW on white square skeleton tower.	Higher intensity on range line.
4730	- RANGE REAR LIGHT 2,600 feet, 063.7° from front light.	41-28-45.038N 082-41-19.997W	Iso G 6s	53 16		KRW on white square skeleton tower.	Visible 4° each side of range line.
4735	- RANGE REAR PASSING LIGHT	41-28-45.038N 082-41-19.993W	FI Y 4s	23 7	4		
4740	- Lighted Buoy 6	41-27-56.214N 082-43-35.987W	FI R 4s		4	Red.	Replaced by nun from Dec. 7 to Apr. 14.
4745	- Lighted Buoy 5	41-27-53.314N 082-43-34.887W	FI G 2.5s		4	Green.	Replaced by can from Dec. 7 to Apr. 14.
4750	- Lighted Buoy 4	41-28-09.713N 082-42-59.585W	FI R 4s		4	Red.	Replaced by nun from Dec. 7 to Apr. 14.
4755	- Lighted Buoy 3	41-28-07.013N 082-42-57.885W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to Apr. 14.
4760	- Lighted Buoy 2	41-28-23.608N 082-42-22.144W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 7 to Apr. 14.
<b>Cedar Point Marina</b>							
4765	- ENTRANCE LIGHT 1	41-28-38.100N 082-41-08.900W	F G	15 5		SG on post.	Maintained from Mar. 1 to Dec. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>SANDUSKY HARBOR</b>							
<b>Sandusky Harbor</b>							
<b>Cedar Point Marina</b>							
4770	- ENTRANCE LIGHT 2	41-28-40.700N 082-41-07.800W	F R	15 5		TR on post.	Maintained from Mar. 1 to Dec. 15. Private aid.
4775	- BREAKWATER LIGHT	41-28-32.800N 082-40-57.900W	F W	15 5		NW on post.	Maintained from Mar. 1 to Dec. 15. Private aid.
4780	- SOUTH BASIN LIGHT 2	41-28-22.100N 082-40-52.900W	FI R 2.5s	22 7		TR on post.	Maintained from Apr. 1 to Nov. 15. Private aid.
4785	- SOUTH BASIN LIGHT 1	41-28-20.000N 082-40-55.000W	FI G 2.5s	22 7		SG on post.	Maintained from Apr. 1 to Nov. 15. Private aid.
<b>LAKE ERIE (Chart 14820)</b>							
<b>SANDUSKY HARBOR</b>							
<b>Sandusky Harbor</b>							
4786	SANDUSKY BAY EAST WETLAND BREAKWATER LIGHT 1	41-27-55.650N 082-40-36.980W	FI W 4s			On post	Maintained year round. Private aid.
4787	SANDUSKY BAY EAST WETLAND BREAKWATER LIGHT 2	41-28-08.900N 082-40-46.320W	FI W 4s			On post	Maintained year round. Private aid.
4790	SADLER SAILING BASIN ENTRANCE LIGHT 1	41-27-39.600N 082-41-51.300W	F G	10 3		On post.	Maintained from Apr. 15 to Oct. 15. Private aid.
4795	SADLER SAILING BASIN ENTRANCE LIGHT 2	41-27-40.200N 082-41-51.800W	F R	13 4		On post.	Maintained from Apr. 15 to Oct. 15. Private aid.
4800	SANDUSKY SLUDGE BASIN LIGHT	41-27-38.300N 082-41-49.000W	Q R	13 4		On white post.	Maintained from Apr. 15 to Oct. 15. Private aid.
4805	EAST COVE ENTRANCE LIGHT 1	41-27-33.300N 082-41-53.500W	F G	7 2		On spar on jetty.	Maintained from Apr. 15 to Oct. 15. Private aid.
4806	EAST COVE ENTRANCE LIGHT 2	41-27-32.500N 082-41-56.600W	F R	15 5		On pole.	Maintained from Apr. 15 to Oct. 15. Private aid.
4807	EAST COVE ENTRANCE LIGHT 3	41-27-32.000N 082-41-55.700W	F G	15 5		On pole.	Maintained from Apr. 15 to Oct. 15. Private aid.
4810	CAUSEWAY LEADING LIGHT	41-27-21.500N 082-40-24.200W	F G	5 2		On black pile.	Visible from 037.25° to 157.25°. Maintained from Apr. 15 to Oct. 15. Private aid.
<b>LAKE ERIE</b>							
<b>SANDUSKY HARBOR</b>							
<b>Sandusky Harbor</b>							
<b>Harbor Development Channel</b>							
<i>Aids to navigation maintained from May 1 to Nov. 1.</i>							
4815	<i>East Bay Channel Lighted Buoy 1</i>	41-27-42.400N 082-40-23.900W	FI G 4s			Green.	Private aid.
4820	<i>East Bay Channel Lighted Buoy 2</i>	41-27-41.100N 082-40-24.100W	FI R 4s			Red.	Private aid.
4825	<i>East Bay Channel Lighted Buoy 3</i>	41-27-41.800N 082-40-18.000W	FI G 4s			Green.	Private aid.
4830	<i>East Bay Channel Lighted Buoy 4</i>	41-27-40.600N 082-40-18.900W	FI R 4s			Red.	Private aid.
4835	<i>East Bay Channel Lighted Buoy 5</i>	41-27-41.200N 082-40-13.200W	Q G			Green.	Private aid.
4840	<i>East Bay Channel Lighted Buoy 6</i>	41-27-39.900N 082-40-14.700W	Q R			Red.	Private aid.
4845	<i>East Bay Channel Lighted Buoy 7</i>	41-27-32.600N 082-40-03.700W	FI G 4s			Green.	Private aid.
4850	<i>East Bay Channel Lighted Buoy 8</i>	41-27-31.500N 082-40-05.300W	FI R 4s			Red.	Private aid.
4855	<i>East Bay Channel Lighted Buoy 9</i>	41-27-25.900N 082-39-56.000W	FI G 4s			Green.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>SANDUSKY HARBOR</b>							
<b>Sandusky Harbor</b>							
<b>Harbor Development Channel</b>							
<i>Aids to navigation maintained from May 1 to Nov. 1.</i>							
4860	East Bay Channel Lighted Buoy 10	41-27-25.200N 082-39-57.800W	FI R 4s			Red.	Private aid.
4865	East Bay Channel Lighted Buoy 11	41-27-21.500N 082-39-51.000W	FI G 4s			Green.	Private aid.
4870	East Bay Channel Lighted Buoy 12	41-27-20.900N 082-39-52.400W	FI R 4s			Red.	Private aid.
4875	East Bay Channel Lighted Buoy 13	41-27-16.400N 082-39-45.200W	FI G 4s			Green	Private aid.
4880	East Bay Channel Lighted Buoy 14	41-27-16.100N 082-39-47.400W	FI R 4s			Red.	Private aid.
4885	East Bay Channel Lighted Buoy 15	41-27-09.100N 082-39-39.500W	Q G			Green.	Private aid.
4890	East Bay Channel Lighted Buoy 16	41-27-09.000N 082-39-38.900W	Q R			Red.	Private aid.
4895	East Bay Channel Lighted Buoy 17	41-27-02.200N 082-39-40.800W	FI G 4s			Green.	Private aid.
4900	East Bay Channel Lighted Buoy 18	41-27-02.200N 082-39-42.800W	FI R 4s			Red.	Private aid.
4905	East Bay Channel Lighted Buoy 19	41-26-55.800N 082-39-44.400W	Q G			Green.	Private aid.
4910	East Bay Channel Lighted Buoy 20	41-26-56.400N 082-39-45.400W	FI R 4s			Red.	Private aid.
4915	East Bay Channel Lighted Buoy 21	41-26-53.800N 082-39-51.500W	FI G 4s			Green.	Private aid.
4920	East Bay Channel Lighted Buoy 22	41-26-54.800N 082-39-51.900W	FI R 4s			Red.	Private aid.
4925	East Bay Channel Lighted Buoy 23	41-26-51.900N 082-40-01.000W	FI G 4s			Green.	Private aid.
4930	East Bay Channel Lighted Buoy 24	41-26-53.000N 082-40-01.200W	FI R 4s			Red.	Private aid.
4935	East Bay Channel Lighted Buoy 25	41-26-50.000N 082-40-09.900W	FI G 4s			Green.	Private aid.
4940	East Bay Channel Lighted Buoy 26	41-26-51.500N 082-40-10.100W	FI R 4s			Red.	Private aid.
<b>Lyman Harbor</b>							
4945	- LIGHT	41-27-19.200N 082-41-02.400W	FI W 4s	43 13		Steel frame lighthouse red with yellow trim and worded LYMAN in black.	Private aid.
4946	- LIGHT 1	41-27-17.670N 082-40-59.880W	FI G 2s	10 3		SG on end of break wall.	Private aid.
4947	- LIGHT 2	41-27-19.200N 082-41-02.400W	FI R 2s	6 2		TR on end of break wall.	Private aid.
<b>Harbor Development Channel</b>							
<i>Aids to navigation maintained from May 1 to Nov. 1.</i>							
4950	BATTERY PARK MARINA SOUTH ENTRANCE LIGHT	41-27-50.000N 082-42-02.400W	F G	20 6		On post.	Maintained from May 1 to Oct. 31. Private aid.
4955	BATTERY PARK MARINA NORTH ENTRANCE LIGHT	41-27-51.000N 082-42-02.500W	F R	20 6		On post.	Maintained from May 1 to Oct. 31. Private aid.
4960	SANDUSKY YACHT CLUB LIGHT 1	41-27-45.000N 082-42-22.200W	Q G	23 7		SG on post.	Maintained from Apr. 15 to Dec. 15. Private aid.
4965	SANDUSKY YACHT CLUB LIGHT 2	41-27-45.600N 082-42-21.600W	Q R	23 7		TR on post.	Maintained from Apr. 15 to Dec. 15. Private aid.
<b>ISLANDS IN LAKE ERIE (Chart 14844)</b>							
<b>West End Sandusky Bay</b>							
4970	DANBURY BREAKWATER LIGHT	41-30-20.000N 082-45-31.000W	FI G 4s	23 7		On post.	Maintained from Apr. 15 to Nov. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>ISLANDS IN LAKE ERIE (Chart 14844)</b>							
<b>West End Sandusky Bay</b>							
4972	BAY WINDS ENTRANCE LIGHT 1	41-30-07.380N 082-46-21.000W	FI G 4s				Private aid.
4972.1	BAY WINDS ENTRANCE LIGHT 2	41-30-07.800N 082-46-20.880W	FI R 4s				Private aid.
4975	COMMODORE BAY MARINA ENTRANCE LIGHT 1	41-30-08.000N 082-46-24.000W	F G			SG on post.	Maintained from May 1 to Nov. 1. Private aid.
4980	COMMODORE BAY MARINA ENTRANCE LIGHT 2	41-30-10.000N 082-42-24.000W	F R			TR on post.	Maintained from May 1 to Nov. 1. Private aid.
4985	LOCKWOOD ENTRANCE CHANNEL JETTY LIGHT 1	41-29-17.000N 082-53-28.000W	FI G 4s				Private aid.
4985.1	LOCKWOOD ENTRANCE CHANNEL JETTY LIGHT 2	41-29-17.000N 082-53-28.000W	FI R 4s				Private aid.
4986	QUARRY ENTRANCE CHANNEL LIGHT 1	41-29-19.000N 082-53-43.000W	FI G 6s				Private aid.
4986.1	QUARRY ENTRANCE CHANNEL LIGHT 2	41-29-19.000N 082-53-43.000W	FI R 6s				Private aid.
<b>Sandusky Bay Channel</b>							
4990	- TRANSMISSION LINE LIGHT A	41-29-04.500N 082-49-36.000W	Q W	15 5		NW worded DANGER on concrete pier.	Maintained from May 1 to Dec. 1. Private aid.
4995	Thomas Edison Bridge Shoal Buoy A	41-29-03.000N 082-50-02.000W				White with orange bands and diamond worded HAZARD.	Maintained from May 1 to Oct. 15. Private aid.
5000	Thomas Edison Bridge Shoal Buoy B	41-29-09.000N 082-50-03.000W				White with orange bands and diamond worded HAZARD.	Maintained from May 1 to Oct. 15. Private aid.
5005	Thomas Edison Bridge Shoal Buoy C	41-29-06.000N 082-50-02.000W				White can with orange bands and diamond worded HAZARD.	Maintained from May 1 to Oct. 15. Private aid.
5010	- TRANSMISSION LINE LIGHT B	41-28-57.000N 082-49-33.000W	Q W	15 5		NW worded DANGER on concrete pier.	Maintained from May 1 to Dec. 1. Private aid.
<b>SOUTH SHORE OF LAKE ERIE (Chart 14842)</b>							
<b>West End Sandusky Bay</b>							
<b>Sandusky Bay Channel</b>							
5020	Willow Point Buoy A	41-26-42.000N 082-53-12.000W				White with orange bands.	Maintained from May 15 to Oct. 15.  Private aid.
5025	Willow Point Buoy B	41-26-42.000N 082-53-24.000W				White with orange bands.	Maintained from May 15 to Oct. 15. Private aid.
5030	Willow Point Buoy C	41-26-30.000N 082-53-30.000W				White with orange bands.	Maintained from May 15 to Oct. 15. Private aid.
<b>Muddy Creek</b>							
5085	- LIGHT	41-27-09.530N 082-59-41.225W	Q W	25 8	3	NW "DANGER SHOALING" daymarks on structure	
<b>Sandusky River</b>							
<i>Buoys maintained from May 1 to Nov. 1. Due to silting, buoys may be relocated without prior notice.</i>							
5090	- Daybeacon Outer	41-26-58.272N 083-00-00.409W				NW on pile. "DANGER ROCKS"	
5096	- Daybeacon Middle	41-26-56.910N 083-00-03.937W				NW on pile. "DANGER ROCKS"	
5100	- Daybeacon Inner	41-26-50.622N 083-00-06.907W				NW on pile. "DANGER ROCKS"	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>SOUTH SHORE OF LAKE ERIE (Chart 14842)</b>							
<b>South Passage to Maumee Bay</b>							
<b>Bay Point</b>							
5170	- Shoal Lighted Buoy 2 Marks east side of shoal.	41-30-12.059N 082-41-28.279W	FI R 4s		5	Red.	Maintained from Apr. 14 to Nov. 14.
<b>Bay Point State Park Hazard</b>							
<i>Buoys maintained from Apr. 15 to Oct. 15. Due to shifting sandbar, buoys may be relocated without prior notice.</i>							
5215	BAY POINT MARINA EAST LIGHT	41-30-51.200N 082-43-11.200W	Q W	10 3		On white post.	Maintained from May 15 to Nov. 15. Private aid.
5245	BAY POINT MARINA SOUTH LIGHT	41-30-34.600N 082-43-30.000W	Q W	8 2		On white post.	Maintained from May 15 to Nov. 15. Private aid.
5246	JOHNSON ISLAND LIGHT 2	41-29-27.600N 082-43-50.400W	FI R 4s	15 5		On single pole.	Maintained from Apr. 1 to Oct. 31. Private aid.
5247	JOHNSON ISLAND LIGHT 1	41-29-24.600N 082-43-54.000W	FI G 4s	15 5		On single pole.	Maintained from Apr. 1 to Oct. 31. Private aid.
5250	<b>Marblehead Light</b>	41-32-10.780N 082-42-42.575W	FI G 6s	67 20	12	White structure with red trim	
5260	PLEASANT POINTE SOUTHEAST PIER LIGHT	41-32-22.300N 082-42-52.400W	F R	16 5		On post.	Maintained from Apr. 15 to Nov. 30. Private aid.
5261	PLEASANT POINTE SOUTH PIER LIGHT	41-32-22.100N 082-42-52.900W	F G	16 5		On post.	Maintained from Apr. 15 to Nov. 30. Private aid.
5265	MARBLEHEAD STONE DOCK LIGHT	41-32-42.000N 082-43-48.000W	Q W	18 5		NW on post.	Maintained from Mar. 15. to Dec. 15. Private aid.
5270	LAKESIDE ASSOCIATION DOCK LIGHT	41-32-53.000N 082-45-03.000W	F R	10 3		On post.	Maintained from Apr. 15 to Nov. 1. Private aid.
5275	LAKESIDE MARINE INC. BREAKWATER LIGHT	41-32-48.500N 082-45-17.000W	F G	20 6		On pile.	Maintained from Mar. 15 to Dec. 15. Private aid.
5280	LAKESIDE MARINE INC. PIERHEAD LIGHT	41-32-48.700N 082-45-14.000W	Q W	35 11		White structure.	Maintained from Mar. 15 to Dec. 15. Private aid.
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<b>Port Clinton</b>							
<i>Buoys maintained from May 14 to Nov. 1.</i>							
5282	MAZURIK FISH ACCESS LIGHT 1	41-32-36.240N 082-45-55.380W	FI G 4s				Private aid.
5283	MAZURIK FISH ACCESS LIGHT 2	41-32-35.160N 082-45-55.440W	FI R 4s				Private aid.
<b>SOUTH SHORE OF LAKE ERIE (Chart 14842)</b>							
<b>South Passage to Maumee Bay</b>							
<b>Bay Point State Park Hazard</b>							
<i>Buoys maintained from Apr. 15 to Oct. 15. Due to shifting sandbar, buoys may be relocated without prior notice.</i>							
5285	SCHROCKS MARINA EAST BREAKWATER LIGHT	41-32-31.300N 082-46-04.800W	F W	20 6		On post.	Maintained from Apr. 20 to Oct. 20. Private aid.
5290	SCHROCKS MARINA WEST BREAKWATER LIGHT	41-32-30.900N 082-46-05.500W	F R	15 5		On post.	Maintained from Apr. 20 to Oct. 20. Private aid.
5300	LAKEVUE WEST ENTRANCE LIGHTS (3)	41-32-26.000N 082-46-22.500W	F R	4 1		On post.	Maintained from May 1 to Sep. 30. Private aid.
5305	EAST HARBOR ENTRANCE LIGHT 1	41-32-36.000N 082-47-00.000W	FI G 4s	24 7		SG on skeleton tower.	Private aid.
5310	EAST HARBOR ENTRANCE LIGHT 2	41-32-36.000N 082-47-00.000W	FI R 4s	24 7		TR on skeleton tower.	Private aid.
5315	CHANNEL GROVE MARINA DOCK LIGHT	41-32-11.000N 082-47-14.000W	FI R 4s	16 5		On post.	Maintained from Apr. 15 to Nov. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>SOUTH SHORE OF LAKE ERIE (Chart 14842)</b>							
<b>South Passage to Maumee Bay</b>							
<b>East Harbor Smallboat Concourse</b>							
<i>Buoys maintained from May 15 to Sep. 15</i>							
5325	- Buoy 1	41-32-17.000N 082-47-12.300W				Green can.	Private aid.
5330	- Buoy 2	41-32-17.500N 082-47-14.000W				Red nun.	Private aid.
5335	- Buoy 3	41-32-14.300N 082-47-15.800W				Green can.	Private aid.
5340	- Buoy 4	41-32-14.600N 082-47-16.500W				Red nun.	Private aid.
5365	EAST HARBOR STATE PARK EAST BREAKWATER LIGHT	41-33-27.000N 082-47-59.000W	FI W 2.5s	20 6		NW on post worded DANGER.	Private aid.
5370	EAST HARBOR STATE PARK WEST BREAKWATER LIGHT	41-33-42.000N 082-48-12.000W	FI W 2.5s	20 6		NW on post worded DANGER.	Private aid.
5375	<i>Middle Harbor Shoal Lighted Buoy 1</i>	41-34-19.311N 082-47-39.498W	FI G 4s		4	Green.	Maintained from Apr. 14 to Nov. 14.
<b>West Harbor</b>							
<i>Buoys maintained from May 1 to Oct. 28.</i>							
5380	- ENTRANCE CHANNEL LIGHT 1	41-34-08.030N 082-48-33.025W	FI G 4s	36 11	4	SG on post.	
5385	- ENTRANCE CHANNEL LIGHT 2	41-34-09.030N 082-48-37.025W	FI R 2.5s	31 9	4	TR on post.	
5390	- Access Channel Buoy 3	41-34-03.711N 082-48-39.700W				Green can.	
5395	- Access Channel Buoy 4	41-34-04.711N 082-48-40.700W				Red nun.	
5400	- <i>Access Channel Lighted Buoy 5</i>	41-33-59.999N 082-48-44.788W	FI G 4s		3	Green.	
5405	- <i>Access Channel Lighted Buoy 6</i>	41-34-00.211N 082-48-46.200W	FI R 4s		3	Red.	
5410	- <i>Access Channel Lighted Buoy 8</i>	41-33-55.011N 082-48-52.700W	FI R 4s		3	Red.	
5415	- ACCESS CHANNEL LIGHT 7	41-33-54.530N 082-48-51.025W	FI G 2.5s	25 8	4	SG on piles.	
5420	- ACCESS CHANNEL LIGHT 9	41-33-43.530N 082-48-53.025W	FI G 6s	15 5	4	SG on pile.	
5425	- ACCESS CHANNEL LIGHT 10	41-33-44.030N 082-48-55.025W	FI R 6s	15 5	4	TR on pile.	
5430	- Inner Channel Daybeacon 11	41-33-33.530N 082-49-09.525W				SG on pile.	
5435	- Inner Channel Daybeacon 12	41-33-34.230N 082-49-10.525W				TR on pile.	
5440	STATE PARK MARINA ENTRANCE LIGHT 1	41-33-31.700N 082-49-15.200W	F G	10 3		SG on pyramidal structure.	Maintained from Apr. 15 to Nov. 1. Private aid.
5445	STATE PARK MARINA ENTRANCE LIGHT 2	41-33-31.200N 082-49-16.100W	F R	10 3		TR on pyramidal structure.	Maintained from Apr. 15 to Nov. 1. Private aid.
5450	ANCHORS AWAY MARINA ENTRANCE LIGHT 1	41-33-32.000N 082-49-18.000W	F G	10 3		On post.	Maintained from Apr. 1 to Dec. 1. Private aid.
5455	ANCHORS AWAY MARINA ENTRANCE LIGHT 2	41-33-32.000N 082-49-18.000W	F R	16 5		On post.	Maintained from Apr. 1 to Dec. 1. Private aid.
5460	- JUNCTION LIGHT	41-33-32.316N 082-49-25.494W	FI (2+1)R 6s	25 8	4	JR on pile.	
5465	- Inner Channel Daybeacon 13	41-33-28.530N 082-49-28.025W				SG on pile.	
5470	- Inner Channel Daybeacon 14	41-33-28.530N 082-49-30.525W				TR on pile.	
5475	- Inner Channel Daybeacon 15	41-33-19.030N 082-49-34.625W				SG on pile.	
5480	- Inner Channel Daybeacon 16	41-33-19.030N 082-49-37.025W				TR on pile.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>SOUTH SHORE OF LAKE ERIE (Chart 14842)</b>							
<b>South Passage to Maumee Bay</b>							
<b>West Harbor</b>							
<i>Buoys maintained from May 1 to Oct. 28.</i>							
5485	- Inner Channel Daybeacon 17	41-33-10.730N 082-49-40.025W				SG on pile.	
5490	- Inner Channel Daybeacon 18	41-33-11.030N 082-49-42.525W				TR on pile.	
5492	- Inner Channel Warning Daybeacon	41-33-01.530N 082-49-53.025W				NW with orange stripes on pile.	Marks end of channel.
<b>Gem Beach</b>							
5495	- SOUTH ENTRANCE LIGHT 1	41-34-10.000N 082-48-59.000W	Fl G 4s	20 6		SG on pile.	Maintained from Apr. 15 to Nov. 1. Private aid.
5500	- NORTH ENTRANCE LIGHT 2	41-34-15.000N 082-48-54.000W	Fl R 4s	28 9		TR on post.	Maintained from Apr. 15 to Nov. 1. Private aid.
5505	- Access Channel Daybeacon 3	41-33-54.830N 082-49-20.525W				SG on pile.	
5510	- Access Channel Daybeacon 5	41-33-45.215N 082-49-22.356W				SG on pile.	
5515	- Access Channel Daybeacon 6	41-33-39.030N 082-49-27.225W				TR on pile.	
<b>ISLANDS IN LAKE ERIE (Chart 14844)</b>							
5520	<i>Scott Point Shoal Lighted Buoy 1</i> Marks northeast side of shoal.	41-36-05.065N 082-48-22.579W	Fl G 4s		4	Green.	Replaced by can from Nov. 7 to May 7.
5525	<i>Starve Island Reef Lighted Buoy 2</i> Marks west side of reef.	41-36-38.529N 082-49-02.292W	Fl R 6s		4	Red.	Replaced by nun from Nov. 7 to May 7.
5530	<b>South Bass Island Light</b>	41-37-44.181N 082-50-29.579W	Fl R 6s	95 29	12	NR on skeleton tower. 75	
5535	GREEN ISLAND LIGHT	41-38-42.140N 082-52-04.265W	Fl W 2.5s	80 24	8	NR on skeleton tower.	Light obscured by woods from 238° to 273°.
<b>WEST END OF LAKE ERIE (Chart 14830)</b>							
5540	<i>Niagara Reef Lighted Buoy 5</i>	41-40-12.307N 082-58-21.622W	Fl G 4s		4	Green.	
5545	Crib Reef Buoy 7	41-38-47.208N 082-59-59.725W				Green can.	Maintained from Apr. 7 to Nov. 1.
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
5547	<i>NOAA GLERL WLE 13 West Sister Island Wave Buoy 1</i>	41-45-37.008N 082-07-49.440W	Fl Y 4s				Maintained from May.1 to Dec.1. Private aid.
<b>WEST END OF LAKE ERIE (Chart 14830)</b>							
5550	WEST SISTER ISLAND LIGHT	41-44-13.120N 083-06-38.357W	Fl W 4s	55 17	9	Tower.	Light obscured by trees from 210° thru 269°, other scattered trees obscure light at intervals.
5552	<i>UT LAKE ERIE CENTER A</i>	41-45-00.000N 083-06-11.000W	Iso W 2s				Private aid.
5553	<i>Battle of Lake Erie Lighted Buoy</i>	41-44-50.030N 083-02-00.025W	Fl W 6s		5	Red buoy hull with a blue and white vertical tower.	Maintained from Apr. 7 to Nov. 1.
5554	<i>Canadian Weather Buoy 12-3 (C)</i>	41-48-52.000N 082-59-15.000W	F Y				Maintained from Apr. 1 to Nov. 30 Private aid.
5554.1	<i>Canadian Spar Buoy 20 (C)</i>	41-48-54.000N 082-59-23.000W	F Y				Maintained from Apr. 1 to Nov. 30 Private aid.
5555	<i>NOAA Lighted Weather Buoy 45005</i>	41-40-36.030N 082-23-54.025W	Fl (4)Y 20s			Yellow disc-shaped hull.	Maintained from May 1 to Dec. 1. Aid maintained by National Oceanic and Atmospheric Administration.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>ISLANDS IN LAKE ERIE (Chart 14844)</b>							
5565	<i>Kelleys Island Shoal Lighted Buoy 1</i> Marks northeast side of shoal.	41-38-40.996N 082-37-56.662W	FI G 4s		4	Green.	Replaced by can from Nov. 7 to May 7.
5570	CAMP PATMOS LIGHT	41-37-01.000N 082-40-58.000W	FI W 2s	11 3		Small lighthouse structure.	Maintained from May 30 to Sep. 1. Private aid.
5575	Kelleys Island Buoy 1	41-37-26.400N 082-40-01.771W				Green can.	
5577	<i>Canadian Spar Buoy 85 (C)</i>	41-35-50.000N 082-39-11.000W	F Y				Maintained from Apr. 1 to Nov. 30 Private aid.
5580	Kelleys Island Shoal Buoy 3	41-38-25.699N 082-39-30.868W				Green can.	
5585	KELLEYS ISLAND STATE PARK BREAKWATER LIGHT	41-37-00.000N 082-42-11.000W	FI R 4s	20 6		TR on gray tower.	Private aid.
5590	KELLSTONE CRIB LIGHT	41-36-38.000N 082-43-40.000W	Q R	7 2		On pile.	Maintained from May 1 to Dec. 20. Private aid.
5595	<i>Rock Shoal Lighted Buoy 2</i>	41-36-15.609N 082-44-50.391W	FI R 4s		4	Red.	Maintained from May 7 to Nov. 7.
5597	<i>Limno Tech Erie Island Weather Buoy B</i>	41-36-04.460N 082-46-49.570W	FI Y 4s				Maintained from Apr. 15 to Nov. 15. Private aid.
5600	<i>Gull Island Shoal Lighted Buoy 4</i> Marks south side of shoal.	41-39-17.001N 082-41-19.875W	FI R 4s		4	Red.	Maintained from May 7 to Nov. 7.
5615	<i>Middle Bass Island East Shoal Lighted Bell Buoy 1</i> Marks east side of shoal.	41-41-54.555N 082-45-54.006W	FI G 4s		4	Green.	Replaced by can from Nov. 7 to May 7.
<b>North Bass Island</b>							
5620	- Shoal Buoy 2	41-42-36.825N 082-51-31.905W				Red nun.	Maintained from May 7 to Nov. 7.
5625	- <i>Lighted Buoy 3</i>	41-43-40.163N 082-48-17.597W	FI G 4s		4	Green.	Replaced by can from Nov. 7 to May 7.
5630	- Buoy 4	41-44-07.743N 082-48-35.097W				Red nun.	Maintained from May 7 to Nov. 7.
5635	- <i>Lighted Bell Buoy 6</i>	41-45-01.902N 082-50-05.201W	FI R 4s		4	Red.	Maintained from May 7 to Nov. 7.
<b>ISLANDS IN LAKE ERIE (Chart 14844)</b>							
5650	BALLAST ISLAND LIGHT	41-40-42.840N 082-47-02.615W	FI W 4s	92 28	8	NR on skeleton tower.	Obscured from 014° to 070°.
5652	MIDDLE BASS ISLAND NORTH BREAKWATER LIGHT	41-40-35.490N 082-48-20.860W	FI R 6s				Private aid.
5653	MIDDLE BASS ISLAND SOUTH BREAKWATER LIGHT	41-40-34.010N 082-48-23.510W	FI G 6s				Private aid.
5655	<i>Ballast Island Channel Lighted Buoy 5</i>	41-40-16.331N 082-46-53.920W	FI G 2.5s (NIGHT)  (DAY)		4	Green.	Maintained from May 7 to Nov 7.
5660	<i>Ballast Island Channel Lighted Buoy 6</i>	41-40-25.506N 082-47-09.995W	FI R 2.5s		4	Red nun.	Replaced from May 21 to Nov 1.
5665	<i>Ballast Island Channel Lighted Buoy 7</i>	41-40-21.406N 082-47-26.695W	 (NIGHT)  (DAY) FI G 4s		4	Green can.	Replaced from May 21 to Nov 1.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>ISLANDS IN LAKE ERIE (Chart 14844)</b>							
5670	<b>Perry Memorial Monument Light</b>	41-39-14.660N 082-48-41.064W	Iso W 6s	341 104	9	On roof of monument. 352	
<b>Put-In-Bay</b> <i>Buoys maintained from May 21 to Nov. 1.</i>							
5673	Stone Lab 1	41-39-32.760N 082-49-23.159W	Fl Y 2.5s				Private aid.
5675	Put In Bay Shoal Buoy 1 Marks northwest side of shoal.	41-39-33.907N 082-48-51.299W				Green can.	Maintained year round.
5680	- Channel Lighted Buoy 2	41-39-29.230N 082-49-06.225W	Fl R 2.5s		3	Red.	
5685	- Channel Buoy 3	41-39-29.207N 082-48-53.699W				Green can.	
5690	- Channel Lighted Buoy 4	41-39-22.130N 082-49-06.225W	Fl R 4s		4	Red.	
5695	- Channel Buoy 5	41-39-24.707N 082-48-55.799W				Green can.	
5705	- Channel Buoy 6	41-39-18.435N 082-49-13.501W				Red nun.	
5710	- Channel Buoy 8	41-39-17.470N 082-49-17.741W				Red nun.	
5715	- Channel Buoy 10	41-39-18.907N 082-49-21.700W				Red nun.	
5716	- East Lighted Float	41-39-29.700N 082-48-52.500W	Q Y			Three 8 foot boards marked NO WAKE, on a wood raft.	Maintained from May 1 to Oct. 15. Private aid.
5717	- West Lighted Float	41-39-27.900N 082-49-07.000W	Q Y			Three 8 foot boards marked NO WAKE, on a wood raft.	Maintained from May 1 to Oct. 15. Private aid.
<b>Miller Channel</b> <i>Buoys maintained from May 1 to Nov. 1.</i>							
5720	- Entrance Buoy 1	41-39-20.300N 082-49-25.500W				Green can.	Private aid.
5725	- Entrance Buoy 2	41-39-20.700N 082-49-24.300W				Red nun.	Private aid.
5730	- Entrance Buoy 3	41-39-18.200N 082-49-30.500W				Green can.	Private aid.
5735	- Entrance Buoy 4	41-39-21.500N 082-49-25.200W				Red nun.	Private aid.
5736	- Entrance Buoy 6	41-39-19.600N 082-49-30.700W				Red nun.	Private aid.
5745	Oak Point Reef Cut Buoy 1	41-39-24.000N 082-49-24.900W				Green can.	Maintained from Apr. 15 to Nov. 15. Private aid.
5750	Oak Point Reef Cut Buoy 2	41-39-24.000N 082-49-24.800W				Red nun.	Maintained from Apr. 15 to Nov. 15. Private aid.
<b>Put-In-Bay Anchorage</b> <i>Buoys maintained from May 1 to Nov. 1.</i>							
5754	- Buoy A	41-39-28.000N 082-49-10.900W				Yellow can.	Private aid.
5755	- Buoy B	41-39-27.200N 082-49-15.000W				Yellow can.	Private aid.
5760	- Buoy C	41-39-25.800N 082-49-20.000W				Yellow can.	Private aid.
5765	- Buoy D	41-39-24.600N 082-49-21.800W				Yellow can.	Private aid.
5770	- Buoy E	41-39-23.000N 082-49-23.800W				Yellow can.	Private aid.
5775	Peach Orchard Point Lighted Buoy 2	41-39-47.206N 082-49-17.700W	Fl R 4s		4	Red.	Maintained from May 07 to November 07.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>WEST END OF LAKE ERIE (Chart 14830)</b>							
<b>Erie Proving Ground</b>							
5780	- Buoy A	41-41-29.791N 083-07-32.596W				Yellow can.	
5785	- Buoy B	41-41-29.103N 083-03-45.435W				Yellow can.	
5790	- Buoy C	41-41-29.106N 082-59-59.726W				Yellow can.	
5795	- Buoy D	41-38-34.498N 082-57-23.329W				Yellow can.	
5800	- Buoy E	41-37-05.709N 082-56-06.716W				Yellow can.	
5805	- Buoy F	41-35-39.690N 082-54-53.853W				Yellow can.	
5810	- Buoy G	41-34-36.211N 082-56-43.717W				Yellow can.	
5815	- Buoy H	41-33-37.211N 082-58-40.721W				Yellow can.	Maintained from Apr 7 - Nov. 1
5820	- Buoy J	41-36-00.208N 083-03-24.732W				Yellow can.	Maintained from Apr 7 - Nov. 1
5825	- Buoy K	41-37-40.206N 083-04-52.736W				Yellow can.	Maintained from Apr. 7 to Nov. 1.
5830	- Buoy L	41-39-53.203N 083-06-17.742W				Yellow can.	Maintained from Apr. 7 to Nov. 1.
<b>ISLANDS IN LAKE ERIE (Chart 14844)</b>							
5832	CATAWBA MILLER LIGHT A	41-35-16.290N 082-50-15.490W	Fl Y 4s				Maintained from Apr. 1 to November 30. Private aid.
5832.1	CATAWBA MILLER LIGHT B	41-35-15.790N 082-50-15.360W	Fl Y 4s				Maintained from Apr. 1 to Nov. 30. Private aid.
5832.2	CATAWBA MILLER LIGHT C	41-35-15.360N 082-50-15.230W	Fl Y 4s				Maintained from Apr. 1 to Nov. 30. Private aid.
5835	<i>Catawba Island Lighted Buoy 1</i>	41-34-36.661N 082-52-05.207W	Fl G 4s		4	Green.	Maintained from May 7 to Nov. 7.
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
5838	<i>Canada Weather Spar Buoy 969 (C)</i>	41-36-50.000N 082-55-50.000W	Fl Y 4s			Spar Buoy	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>ISLANDS IN LAKE ERIE (Chart 14844)</b>							
5840	CATAWBA STATE PARK PIER LIGHT	41-34-22.000N 082-51-24.000W	Fl G 2.5s	15 5		Skeleton tower.	Maintained from Apr. 1 to Nov. 15. Private aid.
5845	CATAWBA CLIFFS HARBOR LIGHT	41-34-18.000N 082-51-18.000W	F R	12 4		White triangular structure.	Maintained from Apr. 1 to Nov. 1. Private aid.
5846	CATAWBA ISLAND MARINA SOUTH LIGHT 1	41-33-42.000N 082-51-10.000W	Q G	10 3		SG on pile.	Maintained from Apr. 15 to Nov. 15. Private aid.
5847	CATAWBA ISLAND MARINA SOUTH LIGHT 2	41-33-41.000N 082-51-08.000W	Q R	10 3		TR on pile.	Maintained from Apr. 15 to Nov. 15. Private aid.
5849.3	LEMARIN ENTRANCE LIGHT 5	41-33-33.000N 082-51-10.000W	F G	20 6		SG on concrete pile.	Maintained from Apr. 1 to Nov. 30. Private aid.
5849.4	LEMARIN ENTRANCE LIGHT 6	41-33-32.000N 082-51-10.500W	F R	20 6		TR on concrete pile.	Maintained from Apr. 1 to Nov. 30. Private aid.
5850	COLONY CLUB MARINA NORTH LIGHT	41-34-00.000N 082-51-25.000W	F G	10 3		White triangular structure.	Maintained from Apr. 1 to Nov. 1. Private aid.
5855	COLONY CLUB MARINA SOUTH LIGHT	41-33-13.000N 082-51-25.000W	F R	10 3		White triangular structure.	Maintained from Apr. 1 to Nov. 1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>ISLANDS IN LAKE ERIE (Chart 14844)</b>							
5857	NORTHWEST CATAWABA MARINA ENTRANCE LIGHT 1	41-32-53.700N 082-51-28.500W	FI G 3s	10 3		SG on post.	Maintained from Apr. 1 to Nov. 1. Private aid.
5858	NORTHWEST CATAWABA MARINA ENTRANCE LIGHT 2	41-32-52.500N 082-51-29.000W	FI R 3s	10 3		TR on post.	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<b>Port Clinton</b>							
<i>Buoys maintained from May 14 to Nov. 1.</i>							
5860	- Intake Crib Lighted Buoy	41-31-12.500N 082-56-21.800W	Q W			White and orange bands with orange diamond worded DANGER.	Maintained from May 15 to Nov. 15. Private aid.
5861	- Regional Water Intake Crib Lighted Buoy	41-31-20.759N 082-56-17.925W	FI W 4s			White with orange bands and diamond worded DANGER CRIB.	Maintained from May 15 to Oct. 15. Private aid.
<b>Cooley Canal</b>							
5863	Limno Tech Port Clinton Weather Buoy C	41-31-55.720N 082-56-28.550W	FI Y 4s				Maintained from Apr. 15 to Nov. 15. Private aid.
<b>Port Clinton</b>							
<i>Buoys maintained from May 14 to Nov. 1.</i>							
5865	- Light 2	41-31-08.450N 082-56-10.365W	FI (2)R 6s	30 9	10	TR on post. 30	Higher intensity beam on bearing of 208°.
5870	- EAST PIERHEAD LIGHT 1	41-31-08.279N 082-56-07.461W	FI G 6s	25 8	6	SG on white pile.	
5875	- Channel Buoy 1	41-30-54.481N 082-57-01.076W				Green can.	
5877	- Channel Buoy 2	41-30-55.910N 082-57-02.070W				Red nun.	
5880	- Channel Buoy 3	41-30-53.457N 082-57-19.629W				Green can.	
5885	- Channel Buoy 4	41-30-56.213N 082-57-26.718W				Red nun.	
5890	- Channel Buoy 5	41-31-00.093N 082-57-38.218W				Green can.	
5895	- Channel Buoy 6	41-31-01.013N 082-57-37.618W				Red nun.	
5898	SPINNAKER BAY ENTRANCE LIGHT 1	41-31-28.800N 082-58-05.500W	F G	10 3		SG on post on breakwater.	Private aid.
5899	SPINNAKER BAY ENTRANCE LIGHT 2	41-31-30.000N 082-58-05.500W	F R	10 3		TR on post on breakwater.	Private aid.
<b>Lake Front Marina</b>							
5900	- ENTRANCE EAST LIGHT 1	41-31-35.000N 082-58-13.800W	FI G 2s	13 4		SG on pile.	Maintained from Apr. 1 to Nov. 15. Private aid.
5905	- ENTRANCE WEST LIGHT 2	41-31-35.200N 082-58-15.500W	FI R 2s	13 4		TR on pile.	Maintained from Apr. 1 to Nov. 15. Private aid.
5910	- RANGE FRONT LIGHT	41-31-27.300N 082-58-19.000W	F Y	34 10		On skeleton tower.	Maintained from Apr. 15 to Nov. 15. Private aid.
5915	- RANGE REAR LIGHT 75 feet, 210° from front light.	41-31-27.000N 082-58-19.500W	F Y	49 15		On skeleton tower.	Maintained from Apr. 15 to Nov. 15. Private aid.
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<i>Crib buoys maintained from Apr. 15 to Nov. 15.</i>							
5950	Davis-Besse Nuclear Power Plant Obstruction Buoy	41-36-25.121N 083-03-48.616W				Orange and white regulatory buoy marked SUBMERGED CRIB.	Maintained from Apr. 1 to Nov. 15. Private aid.
<b>Wild Wings Marina</b>							
5955	- ENTRANCE LIGHT 1	41-36-48.500N 083-06-13.000W	FI G 2s	20 6		SG on white post.	Maintained from May 1 to Nov. 1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<b>Wild Wings Marina</b>							
5960	- ENTRANCE LIGHT 2	41-36-49.800N 083-06-14.100W	FI R 2s	20 6		TR on white post.	Maintained from May 1 to Nov. 1. Private aid.
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<i>Crib buoys maintained from Apr. 15 to Nov. 15.</i>							
5970	LONG BEACH RANGE FRONT LIGHT	41-36-53.200N 083-06-48.200W	F G	13 4		On white post.	Maintained from May 30 to Nov. 1. Private aid.
5975	LONG BEACH RANGE REAR LIGHT 147 feet, 159° from front light.	41-36-52.000N 083-06-48.000W	F G	22 7		On white post.	Maintained from May 30 to Nov. 1. Private aid.
5980	LONG BEACH ENTRANCE LIGHT	41-36-53.200N 083-06-48.800W	F R	12 4		On white post.	Maintained from May 1 to Nov. 1. Private aid.
<b>Turtle Creek</b>							
<i>Aids maintained from Apr. 1 to Nov. 15.</i>							
5996	- BREAKWATER LIGHT 2	41-36-59.300N 083-07-44.000W	FI R 2.5s	28 9		TR on pile.	Private aid.
<b>WEST END OF LAKE ERIE (Chart 14830)</b>							
5999	UT LAKE ERIE CENTER C	41-38-59.000N 083-09-00.000W	Iso W 2s				Private aid.
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<i>Crib buoys maintained from Apr. 15 to Nov. 15.</i>							
6000	WARD CANAL EAST JETTY LIGHT 1	41-39-05.330N 083-14-11.926W	FI G 2.5s	22 7	4	SG on post.	
6001	WARD CANAL WEST JETTY LIGHT 2	41-39-04.830N 083-14-15.626W	FI R 4s	28 9	5	TR on post.	
<b>Cooley Canal</b>							
6005	- BREAKWATER LIGHT 1	41-40-35.731N 083-16-59.229W	FI G 4s	30 9	4	SG on tower.	
6010	- BREAKWATER LIGHT 2	41-40-37.095N 083-17-02.205W	FI R 4s	30 9	4	TR on tower.	
<b>Turtle Creek</b>							
<i>Aids maintained from Apr. 1 to Nov. 15.</i>							
6015	COOLEY CANAL FRONT RANGE LIGHT	41-40-30.720N 083-17-01.980W	F R			KRW on pile.	Maintained from Apr. 1 to Nov. 15. Private aid.
6016	COOLEY CANAL REAR RANGE LIGHT	41-40-29.580N 083-17-02.280W	F R			KRW in Pipe.	Maintained from Apr. 1 to Nov. 15. Private aid.
6025	TOLEDO WATER WORKS INTAKE CRIB LIGHTS	41-41-58.000N 083-15-33.000W	Q W	50 15		Circular building surmounting crib.	Four (4) lights mounted on each corner of crib. Maintained from Apr. 1 to Nov. 15. Private aid.
6025.5	<i>Limno Toledo</i>	41-42-04.600N 083-15-22.100W	FI Y 4s				Private aid.
<b>WEST END OF LAKE ERIE (Chart 14830)</b>							
6027	UT LAKE ERIE CENTER B	41-43-58.000N 083-17-44.000W	Iso W 2s				Private aid.
<b>TOLEDO HARBOR (Chart 14847)</b>							
<b>Maumee Bay</b>							
6027.1	UT Water Quality Bouy	41-43-28.000N 083-22-12.000W	FI Y 4s				Maintained from Jun. 1 to Nov. 1. Private aid.
6030	<b>Toledo Harbor Light</b>	41-45-42.710N 083-19-44.496W	Iso W 6s	72 22	13		HORN: 1 blast ev 30s (3s bl). Operates from Apr. 1 to Dec. 1. Operates by keying microphone five times on VHF-FM Ch. 83A
6035	- STATE PARK ENTRANCE LT 2	41-41-11.400N 083-22-20.400W	FI R 3s	25 8			Private aid.
6036	- STATE PARK ENTRANCE LT 1	41-41-12.000N 083-22-18.000W	FI G 3s	25 8			Private aid.
<b>Harrison Marina</b>							
6038	<i>Limno Tech Maumee Bay Weather Buoy A</i>	41-42-26.840N 083-22-40.600W	FI Y 4s				Maintained from Apr. 15 to Nov. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>TOLEDO HARBOR (Chart 14847)</b>							
<b>Maumee Bay</b>							
6040	Maumee Safe Water VAIS	41-50-07.976N 083-10-10.556W					AIS MMSI: 993682127
6045	- Entrance Lighted Buoy 1	41-49-26.970N 083-11-27.406W	Q G		4	Green.	Replaced by can from Dec. 14 to Apr. 7. AIS MMSI: 993672199
<b>Harrison Marina</b>							
6047	Canadian Weather Spar Buoy 882 (C)	41-45-46.000N 083-18-05.000W	F Y				Maintained from Jul.15 to Nov.30. Private aid.
<b>Maumee Bay</b>							
6050	- Entrance Light 2	41-49-31.949N 083-11-36.743W	FI R 2.5s	44 13	12	TR on tower with red band. 35	Horn 1 blast every 15s. AIS MMSI: 993682811
6055	- Buoy 3	41-48-54.211N 083-12-41.699W				Green can.	
6060	- Buoy 4	41-48-58.090N 083-12-46.013W				Red nun.	
6065	- Lighted Buoy 5	41-48-29.331N 083-13-34.648W	FI G 4s		4	Green.	Maintained from Apr. 7 to Dec. 14.
6070	- Lighted Buoy 6	41-48-33.521N 083-13-37.979W	FI R 4s		4	Red.	Maintained from Apr. 7 to Dec. 14
6075	- Buoy 7	41-48-04.860N 083-14-26.496W				Green can.	
6080	- Buoy 8	41-48-08.780N 083-14-30.425W				Red nun.	
6085	- LIGHT 9	41-47-39.871N 083-15-17.893W	FI G 4s	33 10	5	White cylindrical tower with green band.	
6090	- Lighted Buoy 10	41-47-44.750N 083-15-21.256W	FI R 4s		4	Red.	Maintained from Apr. 7 to Dec. 14. AIS MMSI: 993672200
6095	- Buoy 11	41-47-15.638N 083-16-10.943W				Green can.	
6100	- Buoy 12	41-47-19.591N 083-16-14.757W				Red nun.	
6105	MANHATTAN RANGE FRONT LIGHT	41-41-38.713N 083-28-11.074W	F R	24 7		KRW on post.	Lighted throughout 24 hours.
6110	MANHATTAN RANGE REAR LIGHT 3,005 feet, 237.6° from front light.	41-41-22.853N 083-28-44.554W	F R	105 32		KRW on storage bin on building.	Lighted throughout 24 hours.
6115	- Lighted Buoy 13	41-46-51.363N 083-17-02.318W	FI G 4s		4	Green.	Maintained from Apr. 7 to Dec. 14
6120	- Lighted Buoy 14	41-46-55.480N 083-17-06.235W	FI R 2.5s		4	Red.	Maintained from Apr. 7 to Dec. 14
6125	- Buoy 15	41-46-34.580N 083-17-38.826W				Green can.	
6130	- Buoy 16	41-46-38.757N 083-17-41.906W				Red nun.	
6135	- Lighted Buoy 17	41-46-11.370N 083-18-27.566W	FI G 4s		4	Green.	Maintained from Apr. 7 to Dec. 14.
6140	- Lighted Buoy 18	41-46-15.899N 083-18-31.036W	FI R 4s		4	Red.	Maintained from Apr. 07 to Dec. 14.
6145	- Buoy 19	41-45-55.080N 083-19-02.336W				Green can.	
6150	- Buoy 20	41-45-59.586N 083-19-04.769W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>TOLEDO HARBOR (Chart 14847)</b>							
<b>Maumee Bay</b>							
6155	- Lighted Buoy 21	41-45-37.520N 083-19-39.096W	FI G 4s		4	Green.	Maintained from Apr. 7 to Dec. 14. AIS MMSI: 993672201
6160	- Buoy 23	41-45-18.812N 083-20-19.415W				Green can.	
6165	- Buoy 24	41-45-22.910N 083-20-23.044W				Red nun.	
6170	- Lighted Buoy 25	41-44-59.800N 083-20-59.656W	FI G 4s		4	Green.	Maintained from Apr. 7 to Dec. 14.
6175	- Lighted Buoy 26	41-45-03.789N 083-21-03.233W	FI R 4s		4	Red.	Maintained from Apr. 7 to Dec. 14.
6180	- Buoy 27	41-44-39.655N 083-21-41.554W				Green can.	
6185	- Buoy 28	41-44-43.969N 083-21-45.307W				Red nun.	
6190	- LIGHT 29	41-44-19.930N 083-22-21.626W	FI G 4s	43 13	5	SG on white cylindrical tower with green band.	
6195	- Lighted Buoy 30	41-44-24.780N 083-22-25.336W	FI R 4s		4	Red.	Maintained from Apr. 7 to Dec. 14. AIS MMSI: 993672202
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
6197	Canada Weather Spar Buoy 973 (C)	41-47-50.000N 083-20-00.000W	FI Y 4s			Spar Buoy	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>TOLEDO HARBOR (Chart 14847)</b>							
<b>Maumee Bay</b>							
6200	- Buoy 31	41-44-04.555N 083-22-56.035W				Green can.	
6205	- Buoy 32	41-44-08.557N 083-22-59.442W				Red nun.	
6210	- Lighted Buoy 33	41-43-49.220N 083-23-28.826W	FI G 4s		4	Green.	Maintained from Apr. 7 to Dec. 14.
6215	- Lighted Buoy 34	41-43-53.248N 083-23-32.285W	FI R 4s		4	Red.	Maintained from Apr. 7 to Dec. 14.
6220	- Buoy 35	41-43-25.120N 083-24-20.196W				Green can.	
6225	- Buoy 36	41-43-28.046N 083-24-25.319W				Red nun.	
6230	- Lighted Buoy 37	41-42-58.689N 083-25-16.486W	FI G 4s (NIGHT)  (DAY)		4	Green.	Maintained from Apr 07 to Dec 14.
6235	- Lighted Buoy 38	41-43-02.860N 083-25-19.551W	FI R 4s		4	Red.	Maintained from Apr 07 to Dec 14.
6240	- Buoy 40	41-42-42.462N 083-26-02.372W				Red nun.	
<b>Disposal Area</b>							
<i>Aids maintained from Apr. 15 to Dec. 15.</i>							
6245	- LIGHT A	41-42-34.000N 083-26-06.000W	Q W	19 6		On dolphin.	Private aid.
6250	- LIGHT B	41-42-33.000N 083-26-09.000W	Q W	19 6		On dolphin.	Private aid.
<b>Maumee Bay</b>							
6265	- Lighted Buoy 41	41-42-18.540N 083-26-40.045W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to Apr. 7.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>TOLEDO HARBOR (Chart 14847)</b>							
<b>Maumee Bay</b>							
6270	- Buoy 42	41-42-22.657N 083-26-43.769W				Red nun.	
6275	- Lighted Buoy 43	41-42-02.510N 083-27-14.586W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to Apr. 7.
6280	- Lighted Buoy 45	41-41-57.206N 083-27-26.780W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to Apr. 7.
6285	- Lighted Buoy 46	41-42-00.610N 083-27-34.899W	FI R 4s		4	Red.	Replaced by nun from Dec. 7 to Apr. 7.
6290	- Lighted Buoy 48	41-41-50.533N 083-27-52.205W	FI R 4s		4	Red.	Replaced by nun from Dec. 7 to Apr. 7.
<b>Maumee River</b>							
6295	- Lighted Buoy 49	41-41-38.883N 083-27-59.032W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to Apr. 14.
6300	- Lighted Buoy 50	41-41-33.147N 083-28-13.218W	FI R 4s		4	Red.	Replaced by nun from Dec. 7 to Apr. 14.
6305	- Buoy 52	41-41-13.904N 083-28-39.084W				Red nun.	
<b>Harrison Marina</b>							
6320	- Entrance Buoy 3	41-41-08.700N 083-28-48.200W				Green can.	Private aid.
6325	- Entrance Buoy 4	41-41-11.200N 083-28-51.200W				Green can.	Private aid.
6330	- Danger Buoy G	41-41-07.800N 083-28-51.900W				White with orange bands and diamond; can.	Private aid.
<b>Maumee River</b>							
6337	- Turning Basin Buoy 54	41-40-45.601N 083-29-11.317W				Red nun.	
6340	- Turning Basin Buoy 56	41-40-09.106N 083-29-54.785W				Red nun.	
6345	- Turning Basin Buoy 58	41-40-10.106N 083-29-59.785W				Red nun.	
6350	- Turning Basin Buoy 60	41-40-04.283N 083-30-06.886W				Red nun.	
6355	- Lighted Buoy 62	41-40-00.106N 083-30-08.685W	FI R 4s		4	Red.	Replaced by nun from Dec. 7 to Apr. 14.
6356.2	Glass City Marina Buoy 3	41-39-27.000N 083-30-52.000W				Green	Maintained from Apr. 15 to Oct. 15. Private aid.
6356.3	Glass City Marina Buoy 5	41-39-26.000N 083-30-51.000W				Green	Maintained from Apr. 15 to Oct. 15. Private aid.
6357	Glass City Marina Buoy A	41-39-28.000N 083-30-50.000W				Orange/White	Maintained from Apr. 15 to Oct. 15. Private aid.
6357.1	Glass City Marina Buoy B	41-39-27.000N 083-30-51.000W				Orange/White	Maintained from Apr. 15 to Oct. 15. Private aid.
6357.2	Glass City Marina Buoy C	41-39-27.000N 083-30-55.000W				Orange/White	Maintained from Apr. 15 to Oct. 15. Private aid.
6357.3	Glass City Marina Buoy D	41-39-25.000N 083-30-58.000W				Orange/White	Maintained from Apr. 15 to Oct. 15. Private aid.
6357.4	Glass City Marina Buoy E	41-39-26.000N 083-30-51.000W				Orange/White	Maintained from Apr. 15 to Oct. 15. Private aid.
6357.5	Glass City Marina Buoy F	41-39-25.000N 083-30-50.000W				Orange/White	Maintained from Apr. 15 to Oct. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>TOLEDO HARBOR (Chart 14847)</b>							
<b>Maumee River</b>							
6357.6	Glass City Marina Buoy G	41-39-24.000N 083-30-49.000W				Orange/White	Maintained from Apr. 15 to Oct. 15. Private aid.
6357.7	Glass City Marina Buoy H	41-39-23.000N 083-30-49.000W				Orange/White	Maintained from Apr. 15 to Oct. 15. Private aid.
6360	- Lighted Buoy 63	41-39-19.723N 083-31-20.291W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to Apr. 14.
6361	- Buoy 64	41-38-48.191N 083-31-58.158W				Red nun.	
6362	- Buoy 65	41-38-47.307N 083-31-54.340W				Green can.	
6365	- Buoy 67	41-37-37.030N 083-32-03.026W				Green can.	
<b>Pier 75 Detached Breakwater</b>							
<i>Lights maintained from Apr. 1 to Dec. 1.</i>							
6370	- LIGHT A	41-37-34.600N 083-32-40.900W	Q W			On southeast corner of detached breakwater.	Private aid.
6375	- LIGHT B	41-37-34.500N 083-32-43.000W	Q W			On detached breakwater.	Private aid.
6380	- LIGHT C	41-37-34.400N 083-32-44.900W	Q W			On detached breakwater.	Private aid.
6385	- LIGHT D	41-37-33.400N 083-32-46.900W	Q W			On southwest corner of detached breakwater.	Private aid.
6390	- LIGHT E	41-37-35.100N 083-32-41.100W	Q W			On northeast corner of detached breakwater.	Private aid.
6395	- LIGHT F	41-37-35.000N 083-32-43.100W	Q W			On detached breakwater.	Private aid.
6400	- LIGHT G	41-37-34.900N 083-32-45.000W	Q W			On detached breakwater.	Private aid.
6405	- LIGHT H	41-37-34.500N 083-32-47.000W	Q W			On northwest corner of detached breakwater.	Private aid.
<b>Harrison Marina</b>							
6408.1	ROSSFORD MARINA LIGHT 1	41-37-03.690N 083-33-51.720W	F G				Maintained from Apr.1 to Nov.1. Private aid.
6408.2	ROSSFORD MARINA LIGHT 2	41-37-03.650N 083-33-51.820W	F R				Maintained from Apr.1 to Nov.1. Private aid.
6408.3	ROSSFORD MARINA LIGHT 3	41-37-03.160N 083-33-52.540W	F Y				Maintained from Apr.1 to Nov.1. Private aid.
6408.4	ROSSFORD MARINA LIGHT 4	41-37-03.270N 083-33-51.670W	F Y				Maintained from Apr.1 to Nov.1. Private aid.
6408.5	ROSSFORD MARINA LIGHT 5	41-37-02.590N 083-33-51.960W	F Y				Maintained from Apr.1 to Nov.1. Private aid.
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<i>Crib buoys maintained from Apr. 15 to Nov. 15.</i>							
6410	WALBRIDGE PARK RANGE FRONT LIGHT	41-36-51.000N 083-34-50.000W	F R	10 3		Square daymark on white pile.	Maintained from May 1 to Nov. 1. Private aid.
6415	WALBRIDGE PARK REAR RANGE LIGHT 70 feet, 000.5° from front light.	41-36-51.500N 083-34-50.000W	F R	20 6		Square daymark on white pile.	Maintained from May 1 to Nov. 1. Private aid.
6420	Corbutt Island Intake Crib Buoy J	41-37-23.000N 083-33-58.500W				White can with orange bands and diamond.	Private aid.
6425	Corbutt Island Intake Crib Buoy K	41-37-23.500N 083-33-56.000W				White can with orange bands and diamond.	Private aid.
6430	Corbutt Island Intake Crib Buoy L	41-37-24.250N 083-33-54.500W				White can with orange bands and diamond.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<i>Crib buoys maintained from Apr. 15 to Nov. 15.</i>							
6435	Brookford Road Water Intake Crib Buoy M	41-36-00.000N 083-35-24.000W				White can with orange bands and diamond.	Private aid.
6440	Brookford Road Water Intake Crib Buoy N	41-36-01.000N 083-35-22.500W				White can with orange bands and diamond.	Private aid.
6445	Brookford Road Water Intake Crib Buoy P	41-36-01.500N 083-35-23.000W				White can with orange bands and diamond.	Private aid.
<b>Toledo Beach Marina</b>							
<i>Lights maintained from Apr. 15 to Oct. 15.</i>							
6460	- RANGE FRONT LIGHT	41-49-44.160N 083-24-45.360W	F R	37 11		On pile.	Private aid.
6465	- RANGE REAR LIGHT 860 feet, 290° from front light.	41-49-47.100N 083-24-56.800W	F R	47 14		On pile.	Private aid.
6470	- SOUTH BREAKWATER LIGHT	41-49-40.000N 083-24-32.500W	Q G	10 3		On pile.	Private aid.
6474	- NORTH BREAKWATER LIGHT	41-49-40.500N 083-24-30.000W	Q R	10 3		On pile.	Private aid.
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
6477	NOAA GLERL WLE 8 Toledo Beach Wave Buoy 1	41-27-29.880N 082-28-57.720W	FI Y 4s				Maintained from May.1 to Dec.1. Private aid.
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<i>Crib buoys maintained from Apr. 15 to Nov. 15.</i>							
6480	OTTER CREEK RANGE FRONT LIGHT	41-50-44.600N 083-24-02.300W	F G	12 4		SG on pile.	Maintained from May 1 to Nov. 30. Private aid.
6485	OTTER CREEK RANGE REAR LIGHT 75 feet, 284° from front light.	41-50-44.800N 083-24-03.200W	FI G 4s	22 7		SG on pile.	Maintained from May 1 to Nov. 30. Private aid.
<b>Bolles Harbor</b>							
<i>Unlighted buoys maintained from Apr. 21 to Nov. 14.</i>							
6490	- Lighted Buoy 2	41-51-22.194N 083-22-17.780W	FI R 4s		4	Red.	Maintained from Apr. 21 to Nov. 14.
6493	- Lighted Buoy 1	41-51-21.252N 083-22-19.010W	FI G 4s		4	Green	Maintained from Apr. 21 to Nov. 14.
6500	- Lighted Buoy 3	41-51-42.782N 083-22-28.417W	FI G 2.5s		4	Green.	Maintained from Apr. 21 to Nov. 14.
6505	- Lighted Buoy 4	41-51-43.094N 083-22-27.280W	FI R 4s		4	Red.	Maintained from Apr. 21 to Nov. 14.
6515	- Buoy 5	41-52-03.694N 083-22-38.180W				Green can.	
6525	- ENTRANCE LIGHT 6	41-52-03.990N 083-22-36.036W	FI (2)R 5s	35 11	8	TR on post.	
6530	- Buoy 7	41-52-10.345N 083-22-41.311W				Green can.	
6535	- ENTRANCE LIGHT 9	41-52-15.730N 083-22-45.606W	FI G 4s	25 8	5	SG on pile.	
6540	- Daybeacon 10	41-52-16.720N 083-22-42.626W				TR on pile.	
6545	- ENTRANCE LIGHT 11	41-52-19.560N 083-22-45.606W	F G	31 9	8	SG on post.	
6550	- RANGE FRONT LIGHT	41-52-26.097N 083-22-47.486W	Q W	19 6		KRW on square skeleton tower.	
6555	- RANGE REAR LIGHT 2,355 feet, 341.5° from front light.	41-52-48.158N 083-22-57.354W	Iso W 6s	75 23		KRW on square skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<b>Monroe Harbor</b>							
6560	- RANGE FRONT LIGHT	41-53-46.237N 083-20-58.669W	Iso W 6s (NIGHT) Iso W 6s (DAY)	51 16 48 15		KRW on square skeleton tower.	Lighted throughout 24 hours.
6565	- RANGE REAR LIGHT 5,066 feet, 291.7° from front light.	41-54-04.761N 083-22-00.890W	F W (NIGHT) F W (DAY)	89 27 91 28		Tapered skeleton tower.	Lighted throughout 24 hours.
6570	- <i>Lighted Buoy 1</i>	41-52-30.952N 083-16-51.922W	FI G 2.5s		4	Green.	Replaced by can from Dec. 14 to Apr. 14. AIS MMSI: 993672203
6575	- <i>Lighted Buoy 2</i>	41-52-33.715N 083-16-48.623W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 14 to Apr. 14. AIS MMSI: 993672204
6580	- Buoy 3	41-52-51.293N 083-17-59.374W				Green can.	
6585	- Buoy 4	41-52-53.646N 083-17-56.072W				Red nun.	
6590	- <i>Lighted Buoy 5</i>	41-53-10.925N 083-19-05.296W	FI G 4s		4	Green.	Year round buoy unlighted from Dec 7 to Apr 7.
6595	- <i>Lighted Buoy 6</i>	41-53-14.036N 083-19-05.415W	FI R 4s		4	Red.	Year round buoy unlighted from Dec 7 to Apr 7.
6600	- Buoy 7	41-53-28.251N 083-20-04.329W				Green can.	
6605	- Buoy 8	41-53-31.328N 083-20-02.710W				Red nun.	
6610	- Buoy 9	41-54-01.794N 083-21-24.434W				Green can.	
<b>Sterling State Park</b>							
<i>Buoys maintained from May 1 to Sep. 30. Buoys mark remnants of an old dock.</i>							
6615	- Hazard Buoy A	41-54-11.100N 083-19-59.000W				White with orange bands.	Private aid.
6620	- Hazard Buoy B	41-54-11.500N 083-19-53.000W				White with orange bands.	Private aid.
6625	- Hazard Buoy C	41-54-14.000N 083-19-52.800W				White with orange bands.	Private aid.
6630	- Hazard Buoy D	41-54-14.600N 083-19-58.100W				White with orange bands.	Private aid.
<b>Stony Creek Channel</b>							
<i>Aids maintained from May 15 to Nov. 1.</i>							
6635	STONE CREEK CHANNEL RANGE FRONT LIGHT	41-56-36.600N 083-18-12.000W	F R	14 4		On white post.	Private aid.
6640	STONE CREEK CHANNEL RANGE REAR LIGHT 125 feet, 319° from front light.	41-56-35.900N 083-18-11.000W	F R	23 7		On red post.	Private aid.
6645	- Buoy 1	41-56-12.000N 083-17-30.000W				Green can.	Private aid.
6650	- Buoy 2	41-56-24.000N 083-17-56.000W				Red nun.	Private aid.
6655	- Buoy 3	41-56-26.000N 083-18-01.000W				Green can.	Private aid.
6660	- Buoy 4	41-56-28.000N 083-18-00.000W				Red nun.	Private aid.
6665	- Buoy 5	41-56-39.000N 083-18-04.000W				Green can.	Private aid.
6670	- Buoy 6	41-56-30.000N 083-18-03.000W				Red nun.	Private aid.
6675	- Buoy 7	41-56-32.800N 083-18-08.000W				Green can.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<b>Stony Creek Channel</b>							
<i>Aids maintained from May 15 to Nov. 1.</i>							
6680	- Buoy 8	41-56-33.000N 083-18-07.000W				Red nun.	Private aid.
<b>Sandy Creek</b>							
<i>Buoys maintained from May 1 to Sep. 15.</i>							
6681	- Buoy 1	41-55-24.890N 083-19-38.630W					Private aid.
6681.5	- Buoy 2	41-55-25.900N 083-19-37.600W					Private aid.
6682	- Buoy 3	41-55-27.730N 083-19-43.690W					Private aid.
6682.5	- Buoy 4	41-55-28.740N 083-19-42.620W					Private aid.
6683	- Buoy 5	41-55-29.730N 083-19-47.360W					Private aid.
6683.5	- Buoy 6	41-55-30.630N 083-19-46.530W					Private aid.
6684	- Buoy 7	41-55-31.350N 083-19-51.150W					Private aid.
6684.5	- Buoy 8	41-55-31.130N 083-19-50.160W					Private aid.
6685	- Buoy 9	41-55-32.120N 083-19-53.850W				Green.	Private aid.
6690	- Buoy 10	41-55-32.740N 083-19-55.420W				Red.	Private aid.
6691	- Buoy 11	41-55-29.020N 083-19-55.430W					Private aid.
6692	- Buoy 12	41-55-29.530N 083-19-59.350W					Private aid.
6695	- Buoy 13	41-55-24.320N 083-19-58.390W				Green can.	Private aid.
6700	- Buoy 14	41-55-24.810N 083-19-59.350W				Red nun.	Private aid.
6705	- Buoy 15	41-55-21.290N 083-20-00.700W				Green can.	Private aid.
6710	- Buoy 16	41-55-22.110N 083-20-01.690W				Red nun.	Private aid.
6715	ENRICO FERMI POWER PLANT INTAKE LIGHTS	41-57-42.000N 083-15-00.000W	F W	26 8		On white pile.	Maintained from Mar. 1 to Dec. 1. Private aid.
6716	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy A</i>	41-58-26.220N 083-15-19.980W	Q Y			White with orange bands.	Private aid.
6716.1	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy B</i>	41-58-30.600N 083-15-00.000W	Q Y			White with orange bands.	Private aid.
6716.2	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy C</i>	41-58-27.960N 083-14-49.020W	Q Y			White with orange bands.	Private aid.
6716.3	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy D</i>	41-58-20.100N 083-14-15.000W	Q Y			White with orange bands.	Private aid.
6716.4	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy E</i>	41-58-12.000N 083-13-42.000W	Q Y			White with orange bands.	Private aid.
6716.5	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy F</i>	41-57-45.960N 083-13-44.220W	Q Y			White with orange bands.	Private aid.
6716.6	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy G</i>	41-57-19.920N 083-13-46.020W	Q Y			White with orange bands.	Private aid.
6716.7	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy H</i>	41-56-54.000N 083-13-48.000W	Q Y			White with orange bands.	Private aid.
6716.8	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy I</i>	41-56-54.000N 083-14-22.920W	Q Y			White with orange bands.	Private aid.
6716.9	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy J</i>	41-56-54.000N 083-14-57.900W	Q Y			White with orange bands.	Private aid.
6717	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy K</i>	41-56-54.060N 083-15-10.560W	Q Y			White with orange bands.	Private aid.
6717.1	<i>Enrico Fermi Nuclear Power Plant Security Zone Buoy L</i>	41-56-54.000N 083-15-12.000W	Q Y				Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>WEST END OF LAKE ERIE (Chart 14846)</b>							
<b>Sandy Creek</b>							
<b>Swan Creek Entrance</b>							
6720	- Lighted Buoy 1	41-58-27.960N 083-14-35.940W	FI G 2.5s	7 2		Green.	Private aid.
6725	- Lighted Buoy 2	41-58-30.300N 083-14-34.140W	FI R 2.5s	7 2		Red.	Private aid.
6730	- Buoy 3	41-58-30.960N 083-14-40.140W				Green can.	Private aid.
6735	- Buoy 4	41-58-32.340N 083-14-40.140W				Red nun.	Private aid.
6736	- Lighted Buoy 5	41-58-33.720N 083-14-45.960W	FI G 2.5s	5 2		Green.	Private aid.
6737	- RANGE FRONT LIGHT 6	41-58-34.400N 083-14-45.000W	F R	10 3		TR on post.	Private aid.
6738	- RANGE REAR LIGHT 80 feet, 315° from front light.	41-58-35.040N 083-14-45.780W	F R	30 9		Three-masted tower.	Private aid.
6740	- Lighted Buoy 7	41-58-36.840N 083-14-51.060W	FI G 2.5s	7 2		Green.	Private aid.
6741	- Daybeacon 8	41-58-37.200N 083-14-56.340W				TR on post.	Private aid.
6742	- Daybeacon 10	41-58-36.200N 083-14-58.800W				TR on post.	Private aid.
6743	- Daybeacon 12	41-58-36.000N 083-15-04.500W				TR on post.	Private aid.
<b>LAKE ERIE (Chart 14820)</b>							
<b>Port Colborne</b>							
6755	OUTER LIGHT (C)		F R	36 11		White square tower with red upper portion.	Seasonal. Tower floodlighted. Light intensified over an arc of 030° SSW. Emergency light.
6760	WEST BREAKWATER LIGHT (C)	42-52-12.032N 079-16-06.022W	FI W 4s	24 7		White circular tower.	Seasonal.
6765	Inner Light (C)	42-52-06.032N 079-15-12.022W	FI W 10s 0.3s fl 9.7s ec.	50 15	17	White square tower, red upper portion.	Seasonal.
6775	Lighted Buoy E3 (C)		FI G 4s			Green.	
6780	EAST BREAKWATER LIGHT (C)		FI G 4s	35 11		White circular concrete tower with green top.	Seasonal.
6783	ODAS Lighted Buoy 45142	42-44-12.032N 079-17-24.022W				Yellow disc shaped hull.	Seasonal.
6785	Long Point Light (C)	42-32-54.032N 080-03-00.023W	FI (5) Y 20s FI W8s	97 30	25	White octagonal tower with red upper portion.	RACON: M ( - - ) Seasonal. Emergency light.
<b>WEST END OF LAKE ERIE (Chart 14830)</b>							
<b>Pelee Passage</b>							
6795	Southeast Shoal Light (C)	41-49-36.030N 082-27-48.025W	FI R 10s	70 21	21	White square structure with red stripes on pyramidal base.	RACON: K ( - - ) Winter light FI W 4s. Seasonal. Emergency light.
6805	East Lighted Buoy E6 (C)		FI R 4s			Red.	Spar; winter marker. Seasonal.
6810	Southeast Shoal Lighted Buoy X (C)	41-48-42.030N 082-27-48.025W	Mo (A) W			Red and white stripes.	Seasonal.
6815	Pelee Point Lighted Bell Buoy EP2 (C)	41-52-12.030N 082-30-30.025W	FI R 4s			Red.	Seasonal.
6820	Grubb Reef Lighted Buoy E8 (C)	41-51-54.030N 082-33-36.025W	FI R 4s			Red.	Seasonal.
6825	Traffic Lighted Buoy P (C)	41-51-48.030N 082-34-30.025W	Mo (A) W			Red and white stripes.	Seasonal.
6830	Middle Ground Lighted Buoy E9 (C)	41-51-24.030N 082-34-48.025W	FI G 4s			Green.	Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ERIE</b>							
<b>WEST END OF LAKE ERIE (Chart 14830)</b>							
<b>Pelee Passage</b>							
6835	<b>Light (C)</b>	41-51-12.030N 083-34-54.026W	FI W 4s	91 28	10	White circular tower with green upper and lower portions; on pier.	RACON: M ( - - ) Winter light FI W 4s. Seasonal.
6840	<i>Turning Lighted Buoy E10 (C)</i>	41-53-12.030N 082-38-42.025W	FI R 4s			Red.	Seasonal.
6845	SCUDDER BREAKWATER LIGHT (C)	41-49-00.030N 082-39-30.025W	FI R 4s	24 7		White circular tower with red top.	Seasonal.
6850	SCUDDER WHARF LIGHT (C)	41-48-54.030N 082-39-36.025W	F R	30 9	8	On elevator.	Seasonal.
6855	SCUDDER WHARF INNER LIGHT (C)		FI R 4s	19 6	7	White circular tower with red upper portion.	Seasonal.
6865	<i>North Harbor Island Reef Lighted Buoy E13 (C)</i>	41-51-00.030N 082-51-12.025W	FI G 4s			Green.	Seasonal.
6870	COLCHESTER REEF LIGHT (C) Marks south side of reef.	41-56-00.030N 082-53-30.025W	FI R 4s	72 22	6	Red skeleton tower with red rectangular daymark on two sides.	Seasonal.
6875	MIDDLE SISTER ISLAND LIGHT (C)	41-51-00.030N 082-59-54.026W	FI G 4s	65 20	6	White square skeleton tower.	May be obscured by trees from south-southwest approaches. Seasonal.
<b>DETROIT RIVER</b>							
<b>WEST END OF LAKE ERIE (Chart 14830)</b>							
<b>Detroit River Entrance</b>							
<b>East Outer Channel</b>							
<i>Buoys maintained from Apr. 1 to Dec. 21.</i>							
6885	<b>Detroit River Light</b>	42-00-02.978N 083-08-28.509W	FI (2)W 6s	55 17	12	White conical tower with black top on hexagonal top.	RACON: X ( - . . - ) HORN: 1 blast ev 30s (3s bl). Operates continuously.
6895	- <b>Light 1E</b>	41-54-49.746N 083-06-25.070W	FI G 5s	44 13	10	Tower on platform with green band.	RACON: O ( - - - ) RACON: O ( - - - ) HORN: 2 blasts ev 60s (3s bl-3s si-3s bl-51s si). Operates Year Round.
6900	- <i>Lighted Buoy 2</i>	41-55-16.830N 083-06-18.686W	Q R		5	Red.	Replaced by nun from Dec. 21 to Apr. 01.
6905	- <i>Lighted Buoy 3</i>	41-55-13.580N 083-06-32.666W	FI G 4s		4	Green.	Maintained from Apr. 1 to Dec. 21.
6910	- <i>Lighted Buoy 5</i>	41-56-04.457N 083-06-53.452W	FI G 2.5s		4	Green.	Replaced by can from Dec. 21 to Apr. 01.
6915	- <i>Lighted Buoy 6</i>	41-56-07.810N 083-06-38.276W	FI R 2.5s		4	Red.	Replaced by nun from Dec.21 to Apr. 01.
<b>DETROIT RIVER (Chart 14848)</b>							
<b>East Outer Channel</b>							
<i>Buoys maintained from Apr. 1 to Dec. 21.</i>							
6920	- <i>Lighted Buoy 7</i>	41-56-55.723N 083-07-13.058W	FI G 4s		4	Green.	
6925	- <i>Lighted Buoy 8</i>	41-56-58.240N 083-06-57.936W	FI R 4s		4	Red.	
6930	- <i>Lighted Buoy 9</i>	41-57-45.080N 083-07-32.016W	FI G 2.5s		4	Green.	Replaced by can from Dec. 21 to Apr. 1.
6935	- <b>LIGHT 10</b>	41-57-48.030N 083-07-17.026W	FI R 2.5s	44 13	7	Cylindrical tower with red band on platform.	
6940	- <i>Lighted Buoy 11</i>	41-58-35.790N 083-07-52.066W	FI G 4s		4	Green.	
6945	- <i>Lighted Buoy 12</i>	41-58-39.010N 083-07-37.436W	FI R 4s		4	Red.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>East Outer Channel</b>							
<i>Buoys maintained from Apr. 1 to Dec. 21.</i>							
6950	- Lighted Buoy 13	41-59-24.930N 083-08-10.436W	FI G 2.5s		4	Green.	Replaced by can from Dec. 21 to Apr. 1.
6955	- Lighted Buoy 14	41-59-27.446N 083-07-56.715W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 21 to Apr. 1.
6960	- Lighted Buoy 16	42-00-17.290N 083-08-14.056W	Q R		5	Red.	Replaced by nun from Dec. 21 to Apr. 1. AIS MMSI: 993672205
<b>Amherstburg Channel</b>							
6965	- Lighted Buoy 23	42-00-44.741N 083-08-29.853W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 1. AIS MMSI: 993672206
6970	Lighted Buoy D24 (C)		FI R 4s			Red.	Seasonal.
6975	- Buoy 25	42-01-03.340N 083-08-25.703W				Green can.	
6980	DETROIT RIVER PIER LIGHT 30D (C)	42-01-36.030N 083-08-06.026W	Q R	33 10		White circular with red top.	
6985	Lighted Buoy D31 (C)		FI G 4s			Green.	Seasonal.
6990	Lighted Buoy D32 (C)		FI R 4s			Red.	Seasonal.
6995	<b>Bar Point Pier Light D33 (C)</b>	42-02-24.130N 083-08-03.626W	FI G 10s	46 14	10	White square tower.	Light obscured from 090° to 191°.
7000	BAR POINT RANGE FRONT LIGHT D49 (C)	42-04-12.030N 083-07-24.026W	F Y	27 8		Fluorescent orange triangular daymark on white circular tower with green upper portion and black vertical stripe.	Visible on range line only.
7005	BAR POINT RANGE REAR LIGHT (C) 2,500 feet, 013.5° from front light.		F Y	58 18		Fluorescent orange triangular daymark on white circular tower with green upper portion and black vertical stripe.	Visible on range line only.
7010	Lighted Buoy D35 (C)		Q G			Green.	Seasonal.
7015	Lighted Buoy D36 (C)		Q R			Red.	Seasonal.
7020	HACKETT REACH RANGE FRONT LIGHT (C)	42-05-48.030N 083-06-48.026W	F R	45 14		Orange triangular daymark with black stripes on pile.	Visible on range line only.
7025	HACKETT REACH RANGE REAR LIGHT (C) 994 feet, 014.9° from front light.		F R	80 24		Orange triangular daymark with black stripes on white skeleton tower.	Visible on range line only.
7030	Lighted Buoy D37 (C)	42-03-06.030N 083-07-48.026W	FI G 4s			Green.	Seasonal.
7035	Lighted Buoy D38 (C)		FI R 4s			Red.	Seasonal.
7040	Lighted Buoy D43 (C)		FI G 4s			Green.	Seasonal.
7045	Lighted Buoy D44 (C)		FI R 4s			Red.	Seasonal.
7050	Lighted Buoy D45 (C)	42-03-48.030N 083-07-30.026W	FI G 4s			Green.	Seasonal.
7055	Lighted Buoy D46 (C)	42-03-48.030N 083-07-30.026W	FI R 4s			Red.	Seasonal.
7060	Lighted Buoy D50 (C)		FI R 4s			Red.	Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Amherstburg Channel</b>							
7070	<i>Lighted Buoy D52 (C)</i>		FI R 4s			Red.	Seasonal.
7075	LIGHT D53 (C)	42-05-12.030N 083-07-06.026W	FI G 4s	31 9		White circular tower with green top.	
7080	<i>Lighted Buoy D56 (C)</i>		Q R			Red.	Seasonal.
7085	<i>Lighted Buoy D57 (C)</i>		Q G			Green.	Seasonal.
7090	AMHERSTBURG RANGE FRONT LIGHT D65 (C)	42-06-48.030N 083-07-06.026W	F Y	27 8		Orange triangular daymark with black stripe on white circular tower with green top.	
7095	AMHERSTBURG RANGE REAR LIGHT (C) 1,138 feet, 355.8° from front light.		F Y	40 12		Orange triangular daymark with black stripe on white circular tower with green top.	Visible on range line only.
7100	<i>Lighted Buoy D59 (C)</i>		FI G 4s			Green.	Seasonal.
7105	<i>Lighted Buoy D60 (C)</i>		FI R 4s			Red.	Seasonal.
7110	LIGHT D61 (C)	42-06-00.030N 083-07-06.026W	FI G 4s	41 13		White circular tower with green top.	Visible on range line only.
7115	<i>Lighted Buoy D63 (C)</i>		Q G			Green.	Seasonal.
<b>Limekiln Crossing Reach Channel</b>							
7120	<i>Lighted Buoy D64 (C)</i>		Q R			Red.	Seasonal.
7125	LIMEKILN CROSSING RANGE FRONT LIGHT (C)	42-07-42.030N 083-06-54.026W	F R	24 7		Orange triangular daymark with black stripe on skeleton tower.	Visible on range line only. Range leads to Fort Malden Range Line.
7130	LIMEKILN CROSSING RANGE REAR LIGHT (C) 1,185 feet, 002.9° from front light.		F R	40 12		Orange inverted triangular daymark with black stripe on white circular mast.	Visible on range line only.
7135	<i>Lighted Buoy D67 (C)</i>		FI G 4s			Green.	Seasonal.
7140	<i>Lighted Buoy D68 (C)</i>		FI R 4s			Red.	Seasonal.
7145	LIGHT D69 (C)	42-07-18.030N 083-07-00.026W	Q G	27 8		White circular tower with green top.	
<b>Ballards Reef Channel</b>							
7150	<i>Lighted Buoy D72 (C)</i>		Q R			Red.	Seasonal.
7155	FORT MALDEN RANGE FRONT LIGHT (C) Marks Ballards Reef Channel.	42-06-54.030N 083-06-42.026W	F R	45 14		Orange triangular daymark with black vertical stripe on white circular tower.	Visible on range line only.
7160	FORT MALDEN RANGE REAR LIGHT (C) 383 feet, 162.5° from front light.		F R	76 23		Orange inverted triangular daymark with black vertical stripe on white skeleton tower.	Visible on range line only.
7165	GROSSE ILE SOUTH CHANNEL RANGE FRONT LIGHT	42-11-07.112N 083-08-31.037W	F G	30 9		KRW on square skeleton tower.	Lighted throughout 24 hours.
7170	GROSSE ILE SOUTH CHANNEL RANGE REAR LIGHT 1,491 feet, 342.6° from front light.	42-11-21.162N 083-08-36.973W	F G	55 17		KRW on square skeleton tower.	Lighted throughout 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Ballards Reef Channel</b>							
7175	LIGHT D71 (C)	42-07-24.030N 083-07-06.026W	FI G 4s	33 10		White circular tower with green top.	
7185	<i>Lighted Buoy D74 (C)</i>		FI R 4s			Red.	Seasonal.
7190	<i>Lighted Buoy D76 (C)</i>		FI R 4s			Red.	Seasonal.
7195	<b>Livingstone Channel Upper Entrance Light (C)</b>	42-08-12.030N 083-07-18.026W	Al WR 10s	40 12	15	White circular tower mounted on white square crib.	Emergency light FI (2) W 15s. HORN: (two-tone) 1 blast ev 15s (4s bl). Operates year round.
7200	<b>Light D77 (C)</b>	42-08-30.030N 083-07-30.026W	FI G 5s	37 11	10	Green stripes on the corners of a white square tower.	
7205	<i>Lighted Buoy D78 (C)</i>		FI R 4s			Red.	Seasonal.
7210	- <i>Lighted Buoy 81</i>	42-09-07.828N 083-07-45.319W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 1.
7220	<i>Lighted Buoy DFB (C)</i>	42-09-12.030N 083-07-36.026W				Red with green band.	Seasonal.
7225	- <i>Lighted Buoy 85</i>	42-09-49.297N 083-08-02.320W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 1.
7230	- <i>Lighted Buoy 86</i>	42-10-10.777N 083-08-02.950W	FI R 4s		4	Red.	Year round buoy unlighted from Dec. 21 to Apr. 1.
7231	GROSSE ILE LIGHT	42-10-03.000N 083-08-22.000W	Iso W 2s	45 14			Private aid.
7235	- <i>Lighted Buoy 87</i>	42-10-17.897N 083-08-14.440W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 1.
<b>Livingstone Channel</b>							
7240	- LIGHT 25	42-07-45.400N 083-07-31.246W	FI G 2.5s	34 10	3	White cylindrical tower with green band.	
7245	- LIGHT 26	42-07-44.980N 083-07-24.706W	FI R 2.5s	34 10	4	White cylindrical tower with red band.	
7250	- LIGHT 23	42-07-17.730N 083-07-34.766W	Iso G 6s	34 10	3	White cylindrical tower with green band.	
7255	- LIGHT 24	42-07-17.258N 083-07-28.346W	Iso R 6s	34 10	4	White cylindrical tower with red band.	
7260	- LIGHT 21	42-06-49.989N 083-07-38.544W	FI G 2.5s	34 10	3	White cylindrical tower with green band.	
7265	LIGHT DL22 (C)		FI R 4s	38 12	6	White circular tower with red top.	
7270	LIGHT DL20 (C)		Iso R 2s 1s fl 1s ec.	34 10	6	White circular tower with red top.	
7275	- LIGHT 19	42-06-21.244N 083-07-42.960W	Iso G 6s	34 10	3	White cylindrical tower with green band.	
7280	LIGHT DL17 (C)		FI G 4s	34 10		White circular tower with green top.	Obscured from 010° to 175°.
7285	LIGHT DL18 (C)		FI R 4s	34 10	6	White circular tower with red top.	
7290	LIGHT DL15 (C)		Iso G 2s 1s fl 1s ec.	34 10		White circular tower with green top.	
7295	LIGHT DL16 (C)		Iso R 2s 1s fl 1s ec.	34 10	6	White circular tower with red top.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Livingstone Channel</b>							
7300	LIGHT DL13 (C)		FI G 4s	34 10		White circular tower with green top.	
7305	LIGHT DL14 (C)		FI R 4s	34 10		White circular tower with red top.	
7310	<i>Lighted Buoy DI6 (C)</i>		FI R 4s			Red.	Seasonal.
7315	<i>Lighted Buoy DI5 (C)</i>		FI G 4s			Green.	Seasonal.
7320	<i>Lighted Buoy DI1 (C)</i>	42-02-30.030N 083-08-12.026W	FI G 4s			Green.	Seasonal.
<b>Detroit River Entrance</b>							
<b>West Outer Channel</b>							
7325	- Buoy 9	42-00-04.074N 083-08-41.381W				Green can.	
7330	- Buoy 8	41-59-13.619N 083-08-44.284W				Red nun.	
7335	- Buoy 7	41-59-15.021N 083-08-55.095W				Green can.	
7340	- Buoy 6	41-58-31.272N 083-08-56.159W				Red nun.	
7345	- Buoy 5	41-58-33.310N 083-09-06.595W				Green can.	
7350	- Buoy 4	41-57-46.453N 083-09-08.799W				Red nun.	
7355	- Buoy 3	41-57-48.126N 083-09-19.096W				Green can.	
7360	- Buoy 2	41-57-02.650N 083-09-20.172W				Red nun.	
7365	- <i>Lighted Buoy 1W</i>	41-57-00.984N 083-09-32.370W	FI G 6s		6	Green.	Replaced by can from Dec. 7 to May 7.
<b>Point Mouillee</b>							
7370	Point Mouillee Access Channel Buoy 1	42-00-11.411N 083-08-46.704W				Green can.	
7375	- Access Channel Buoy 2	42-00-15.098N 083-08-45.289W				Red nun.	
7380	- Access Channel Buoy 3	42-00-20.621N 083-09-45.527W				Green can.	
7385	Point Mouillee Access Channel Buoy 4	42-00-22.881N 083-09-44.437W				Red nun.	
<b>Metro Park Marina</b>							
<i>Buoys maintained from Apr. 1 to Nov. 1.</i>							
7390	<i>South Huron Valley Outfall West Lighted Buoy</i>	42-03-09.000N 083-09-50.000W	Q W			White with orange bands and orange diamond worded DANGER OUTFALL.	Maintained from May 1 to Nov. 1. Private aid.
7395	<i>South Huron Valley Outfall Center Lighted Buoy</i>	42-03-09.500N 083-09-48.000W	Q W			White with orange bands and orange diamond worded DANGER OUTFALL.	Maintained from May 1 to Nov. 1. Private aid.
7400	<i>South Huron Valley Outfall East Lighted Buoy</i>	42-03-08.800N 083-09-46.000W	Q W			White with orange bands and orange diamond worded DANGER OUTFALL.	Maintained from May 1 to Nov. 1. Private aid.
7405	- <i>Lighted Buoy 1</i>	42-03-09.500N 083-10-49.000W	FI G 4s			Green.	Private aid.
7410	- <i>Lighted Buoy 2</i>	42-03-12.000N 083-10-49.000W	FI R 4s			Red.	Private aid.
7415	- Buoy 3	42-03-09.500N 083-10-55.000W				Green can.	Private aid.
7420	- Buoy 4	42-02-12.000N 083-10-54.000W				Red nun.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Detroit River Entrance</b>							
<b>Metro Park Marina</b>							
<i>Buoys maintained from Apr. 1 to Nov. 1.</i>							
7425	- Buoy 5	42-03-09.500N 083-11-00.000W				Green can.	Private aid.
7430	- Buoy 6	42-03-12.000N 083-11-00.000W				Red nun.	Private aid.
7435	- Buoy 7	42-03-09.500N 083-11-05.000W				Green can.	Private aid.
7440	- Buoy 8	42-03-12.500N 083-11-05.000W				Red nun.	Private aid.
7445	- RANGE FRONT LIGHT	42-03-12.000N 083-11-36.000W	F I R 4s	15 5		On pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
7450	- RANGE REAR LIGHT 100 yards, 270° from front light.	43-03-10.500N 083-11-37.000W	F R	30 9		On pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>Hickory Island Channel</b>							
<i>Buoys maintained from May 14 to Nov. 21.</i>							
7455	- Buoy 1	42-04-22.885N 083-09-39.056W				Green can.	Maintained from 14 May to 21 November
7460	- Lighted Buoy 2	42-04-21.795N 083-09-11.984W	F I R 4s		4	Red nun.	Maintained from May 14 to Nov. 21.
7465	- Buoy 3	42-04-39.595N 083-09-37.766W				Green can.	Maintained from May 14 to Nov. 21.
<b>Ford Yacht Club</b>							
<i>Aids maintained from Apr. 15 to Nov. 1.</i>							
7468	- East Basin Entrance Buoy 1	42-05-14.000N 083-10-13.300W				Green can.	Private aid.
7469	- East Basin Entrance Buoy 2	42-05-13.800N 083-10-11.000W				Red nun.	Private aid.
7470	- EAST BASIN ENTRANCE LIGHT 3	42-05-20.000N 083-10-11.200W	Q G	6 2		On single post.	Private aid.
7471	- EAST BASIN ENTRANCE LIGHT 4	42-05-20.000N 083-10-09.000W	F I R 2.5s			On single post.	Private aid.
7472	- EAST BASIN RANGE FRONT LIGHT	42-05-27.000N 083-10-08.000W	F R			4ft light pipe centered on white diamond daymark.	Private aid.
7473	- EAST BASIN RANGE REAR LIGHT	42-05-27.200N 083-10-08.300W	F R			4ft light pipe centered on white diamond daymark.	Private aid.
7480	- West Basin Entrance Buoy 1	42-05-19.500N 083-10-18.500W				Green can.	Private aid.
7485	- West Entrance Buoy 2	42-05-19.000N 083-10-16.000W				Red nun.	Private aid.
7490	- WEST BASIN ENTRANCE LIGHT 3	42-05-24.100N 083-10-16.500W	Q G	6 2		On single post.	Private aid.
7495	- WEST BASIN ENTRANCE LIGHT 4	42-05-24.000N 083-10-14.900W	Q R	6 2		On single post.	Private aid.
7500	- WEST BASIN RANGE FRONT LIGHT	42-05-24.000N 083-10-12.000W	F R			4 ft light pipe centered on white diamond daymark.	Private aid.
7505	- WEST BASIN RANGE REAR LIGHT	42-05-27.000N 083-10-12.200W	F R			4 ft light pipe centered on white diamond daymark.	Private aid.
<b>Hickory Island Channel</b>							
<i>Buoys maintained from May 14 to Nov. 21.</i>							
7550	- Buoy 4	42-04-38.915N 083-09-20.585W				Red nun.	
7555	- Lighted Junction Buoy H	42-04-42.914N 083-09-24.295W	FI (2+1)G 6s		4	Green can.	Maintained from May 14 to Nov. 21.
7560	- Buoy 7	42-04-59.222N 083-09-12.283W				Green can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Detroit River Entrance</b>							
<b>Hickory Island Channel</b>							
<i>Buoys maintained from May 14 to Nov. 21.</i>							
7565	- Lighted Buoy 8	42-05-04.404N 083-09-03.274W	FI R 4s		4	Red.	Maintained from 14 May to 21 November.
7570	- Buoy 10 Marks shoal.	42-05-15.810N 083-08-58.560W				Red nun.	
7575	GROSSE ILE YACHT CLUB HARBOR SOUTH ENTRANCE LIGHT	42-05-23.900N 083-09-03.300W	FI G 2s	8 2		On black post.	Private aid.
7580	GROSSE ILE YACHT CLUB HARBOR NORTH ENTRANCE LIGHT	42-05-24.200N 083-09-03.200W	FI R 2s	8 2		On red post.	Maintained from May 1 to Nov. 1. Private aid.
7585	ELBA-MAR BOAT CLUB RANGE FRONT LIGHT	42-05-51.700N 083-09-00.200W	F G	10 3		Orange and black diamond daymark.	Maintained from Apr. 1 to Dec. 1. Private aid.
7590	ELBA-MAR BOAT CLUB RANGE REAR LIGHT 250 feet, 306° from front light.	42-05-53.000N 083-09-03.000W	F G	18 5		Orange and black diamond daymark.	Maintained from Apr. 1 to Dec. 1. Private aid.
7595	Elba-Mar Boat Club Entrance Buoy 1	42-05-48.500N 083-08-54.000W				Green can.	Private aid.
7600	Elba-Mar Boat Club Entrance Buoy 2	42-05-49.000N 083-08-54.500W				Red nun.	Private aid.
7605	- Buoy 12	42-05-40.562N 083-08-38.042W				Red nun.	
7610	- Buoy 13	42-05-46.823N 083-08-38.812W				Green can.	
7615	- Buoy 16	42-06-16.020N 083-08-04.855W				Red nun.	
7625	- Buoy 17	42-06-22.782N 083-07-57.850W				Green can.	
<b>Lake Erie Metropark Boat Launch</b>							
<i>Buoys maintained from Apr. 1 to Oct. 1.</i>							
7651	- Lighted Buoy 1	42-04-40.900N 083-11-22.200W	FI G 4s			Green.	Private aid.
7651.1	- Lighted Buoy 2	42-04-41.400N 083-11-22.000W	FI R 4s			Red.	Private aid.
7651.2	- Buoy 3	42-04-42.600N 083-11-27.100W				Green can.	Private aid.
7651.3	- Buoy 4	42-04-43.000N 083-11-22.200W				Red nun.	Private aid.
7651.4	- Buoy 5	42-04-44.200N 083-11-32.000W				Green can.	Private aid.
7651.5	- Buoy 6	42-04-44.700N 083-11-31.600W				Red nun.	Private aid.
7651.6	- Buoy 7	42-04-45.800N 083-11-36.800W				Green can.	Private aid.
<b>Gibraltar South Harbor Channel</b>							
<i>Aids maintained from Apr. 1 to Dec. 1.</i>							
7655	- RANGE FRONT LIGHT	42-04-44.200N 083-11-12.000W	F R	7 2		On red pile.	Private aid.
7660	- RANGE REAR LIGHT 100 feet, 268° from front light.	42-04-44.200N 083-11-10.500W	F R			Red on white diamond daymark.	Private aid.
7665	- LIGHT 1	42-04-44.000N 083-11-00.000W	FI G 2.5s			On pile cluster.	Private aid.
7670	- LIGHT 2	42-04-44.200N 083-11-00.000W	FI R 2.5s			On pile cluster.	Private aid.
7671	- Daybeacon 3	42-04-44.500N 083-11-04.800W				SG on single pile.	Private aid.
7672	- Daybeacon 4	42-04-43.600N 083-11-04.400W				TR on single pile.	Private aid.
7675	- LIGHT 5	42-04-44.000N 083-11-09.000W	Q G			On pile cluster.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Detroit River Entrance</b>							
<b>Gibraltar South Harbor Channel</b>							
<i>Aids maintained from Apr. 1 to Dec. 1.</i>							
7680	- LIGHT 6	42-04-44.500N 083-11-09.000W	Q R			On pile cluster.	Private aid.
7685	- LIGHT 7	42-04-46.500N 083-11-13.000W	Q G			On pile cluster.	Private aid.
7690	- LIGHT 8	42-04-47.100N 083-11-13.800W	Q R			On pile cluster.	Private aid.
7695	- LIGHT 9	42-04-47.000N 083-11-20.800W	Q G			On pile cluster.	Private aid.
7700	- LIGHT 10	42-04-47.800N 083-11-20.800W	Q R			On pile cluster.	Private aid.
<b>Celeron Island</b>							
<i>Aids maintained from May 14 to Nov. 21.</i>							
7701	- Buoy 1	42-04-53.030N 083-09-52.026W				Green can.	
7703	- Buoy 3	42-05-15.614N 083-10-23.907W				Green can.	
<b>Gibraltar Middle Channel</b>							
<i>Aids maintained from Apr. 1 to Dec. 1.</i>							
7705	GILBRALTAR MIDDLE CHANNEL SOUTH LIGHT	42-05-11.500N 083-11-06.100W	FI G 2.5s			On pile cluster.	Private aid.
7710	GILBRALTAR MIDDLE CHANNEL NORTH LIGHT	42-05-12.000N 083-11-06.100W	FI R 2.5s			On pile cluster.	Private aid.
<b>Celeron Island</b>							
<i>Aids maintained from May 14 to Nov. 21.</i>							
7711	- Buoy 4	42-05-22.030N 083-10-33.026W				Red nun.	
7712	- Buoy 5	42-05-26.948N 083-10-44.569W				Green can.	
7713	- Buoy 7	42-05-47.030N 083-10-57.026W				Green can.	
7714	- Buoy 8	42-05-53.030N 083-10-54.026W				Red nun.	
<b>Gibraltar North Channel</b>							
<i>Aids maintained from Apr. 1 to Dec. 1.</i>							
7715	- RANGE FRONT LIGHT	42-05-54.000N 083-11-12.000W	F R	7 2		Red on white diamond daymark on post.	Private aid.
7720	- RANGE REAR LIGHT 10 feet, 239° from front light.	42-05-42.000N 083-11-24.000W	F R	14 4		Red on white diamond daymark on pile.	Private aid.
7725	- LIGHT 1	42-05-58.000N 083-11-04.400W	FI G 2.5s	10 3		On pile cluster.	Private aid.
7730	- LIGHT 2	42-05-58.500N 083-11-00.500W	FI R 2.5s	10 3		On pile cluster.	Private aid.
<b>Fighting Island Channel</b>							
7735	- SOUTH LIGHT	42-10-22.810N 083-08-03.986W	Iso R 6s	35 11	8	TR on post.	
7740	<i>Mamajuda Shoal Junction Lighted Buoy</i>	42-10-53.906N 083-08-12.120W	FI (2+1)G 6s		4	Green and red bands.	Replaced by can from Dec. 21 to Apr. 1.
7745	- Buoy 88	42-10-58.296N 083-08-01.380W				Red nun.	
7755	- <i>Lighted Buoy 89</i>	42-11-31.692N 083-08-08.049W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 1.
7760	- <i>Lighted Buoy 90</i>	42-11-31.675N 083-07-58.049W	FI R 4s		4	Red.	Maintained from Apr. 1 to Dec. 21.
7765	- <i>Lighted Buoy 91</i>	42-12-23.464N 083-08-03.340W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 1.
7770	- <i>Lighted Buoy 92</i>	42-12-22.874N 083-07-52.749W	FI R 4s		4	Red.	Year round buoy unlighted from Dec. 21 to Apr. 1.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Fighting Island Channel</b>							
7775	- Buoy 93	42-13-03.209N 083-07-59.233W				Green can.	
7780	- Buoy 94	42-13-02.233N 083-07-48.979W				Red nun.	
7785	GRASSY ISLAND LIGHT	42-13-27.510N 083-07-59.306W	FI G 4s	26 8	5	SG on cylindrical tower with 6 foot green band.	Higher intensity beam up and down stream.
7790	- Buoy 96	42-13-27.102N 083-07-46.379W				Red nun.	
7805	- <i>Lighted Buoy 97</i>	42-13-47.762N 083-07-54.799W	FI G 4s		4	Green.	Maintained from Apr. 1 to Dec. 21.
7810	- Buoy 98 Marks shoal.	42-13-57.031N 083-07-43.128W				Red nun.	
7815	NORTH LIGHT (C)		Iso R 4s	27 8	7	White circular tower with red upper portion.	
7820	Grosse Ile Basin Buoy 1	42-10-21.306N 083-08-27.021W				Green can.	
7825	Grosse Ile Basin Buoy 3	42-10-29.306N 083-08-28.601W				Green can.	
7830	Grosse Ile Basin Buoy 5	42-10-40.526N 083-08-29.931W				Green can.	
<b>Wyandotte Channel</b>							
7835	- South Entrance Buoy 2	42-11-03.365N 083-08-20.911W				Red nun.	
7840	- <i>Lighted Buoy 3</i>	42-11-03.160N 083-08-25.891W	Q G		4	Green.	Replaced by can from Dec. 14 to Apr. 7.
7845	- Buoy 4	42-11-20.535N 083-08-23.291W				Red nun.	
7850	- Buoy 6	42-11-38.285N 083-08-25.281W				Red nun.	
7855	- <i>Lighted Buoy 7</i>	42-11-57.238N 083-08-26.047W	FI G 4s		4	Green.	Replaced by can from Dec. 14 to Apr. 7.
7860	- Buoy 9	42-12-09.921N 083-08-25.637W				Green can.	
7865	<i>Grosse Isle Spit Junction Lighted Buoy</i> Marks shoal.	42-12-19.344N 083-08-31.381W	FI (2+1)G 6s		4	Green and red bands.	Replaced by can from Dec. 14 to Apr.07.
7870	- Buoy 12	42-12-21.371N 083-08-24.360W				Red nun.	
7875	- Buoy 14	42-12-31.633N 083-08-24.310W				Red nun.	
7880	- <i>Lighted Buoy 16</i>	42-13-02.643N 083-08-17.140W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to Apr. 7.
7885	- <i>Lighted Buoy 18</i>	42-13-41.672N 083-08-39.151W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to Apr. 7.
7890	- <i>Lighted Buoy 20</i>	42-13-52.971N 083-08-39.251W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to Apr.7.
7895	<i>Mud Island Junction Lighted Buoy</i>	42-13-53.771N 083-08-45.351W	FI (2+1)G 6s		4	Green and red bands.	Replaced by can from Dec. 14 to Apr.7.
7900	- Buoy 21	42-14-03.071N 083-08-36.851W				Green can.	
7905	- <i>Lighted Buoy 22</i>	42-14-01.371N 083-08-33.451W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to Apr.07.
7910	- Buoy 23	42-14-13.181N 083-08-24.300W				Green can.	
7915	- Buoy 24	42-14-10.741N 083-08-21.150W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Fighting Island Channel</b>							
<b>Wyandotte Channel</b>							
7920	- Lighted Buoy 25	42-14-27.411N 083-08-01.779W	FI G 2.5s		4	Green.	Replaced by can from Dec. 14 to Apr. 7.
7925	- North Junction Lighted Buoy	42-14-25.461N 083-07-58.669W	FI (2+1)R 6s		4	Red and green bands.	Replaced by nun from Dec. 14 to Apr. 7.
<b>LAKE ST. CLAIR</b>							
<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
<b>Macray West Harbor Entrance</b>							
<i>Buoys maintained from Apr. 15 to Nov. 15.</i>							
7947	Canadian Weather Spar Buoy 1159 (C)	42-07-42.000N 083-10-34.000W	F Y				Maintained from Apr. 1 to Nov. 30. Private aid.
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Fighting Island Channel</b>							
<b>Trenton Channel</b>							
7950	- Buoy 2	42-07-22.191N 083-10-29.177W				Red nun.	
7960	- Buoy 4	42-07-35.480N 083-10-26.457W				Red nun.	
7965	- Lighted Buoy 5	42-07-48.980N 083-10-26.557W	FI G 4s		4	Green.	Replaced by can from Dec. 14 to Apr. 7.
7970	- Buoy 6	42-07-49.980N 083-10-23.357W				Red nun.	
7980	- Lighted Buoy 7	42-08-17.494N 083-10-21.030W	FI G 4s		4	Green.	Replaced by can from Dec. 14 to Apr. 7.
7985	- Lighted Buoy 8	42-08-17.064N 083-10-18.190W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to Apr. 7.
8000	- Lighted Buoy 9	42-08-49.979N 083-10-14.156W	FI G 4s		4	Green.	Replaced by can from Dec. 14 to Apr. 7.
8005	- Lighted Buoy 10	42-08-49.519N 083-10-10.196W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to Apr. 7.
8010	- Buoy 10A	42-09-23.904N 083-09-53.006W				Red nun.	
8025	- Lighted Buoy 11	42-09-23.548N 083-09-57.970W	FI G 2.5s		4	Green can.	
8030	- Lighted Buoy 12	42-09-37.797N 083-09-46.220W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to April 07.
8035	- Lighted Buoy 13	42-09-48.577N 083-09-49.255W	FI G 4s		4	Green.	Replaced by can from Dec. 14 to Apr. 7.
8055	- Lighted Buoy 15	42-10-09.755N 083-09-48.850W	FI G 4s		4	Green.	Replaced by can from Dec. 14 to Apr. 7.
8060	- Lighted Buoy 16	42-10-09.537N 083-09-45.755W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to Apr. 7.
8065	- Lighted Buoy 17	42-10-43.016N 083-09-32.434W	FI G 4s		4	Green.	Replaced by can from Dec. 14 to Apr. 7.
8070	- Buoy 18	42-10-42.508N 083-09-28.097W				Red nun.	
8075	- Lighted Buoy 20	42-11-15.625N 083-09-02.082W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to Apr. 7.
8080	- Lighted Buoy 21	42-11-54.844N 083-08-53.870W	FI G 4s		4	Green.	Year round buoy unlighted from Dec. 14 to Apr. 7.
8085	- Lighted Buoy 22	42-11-54.174N 083-08-49.152W	FI R 4s		4	Red.	Year round buoy unlighted from Dec. 14 to Apr. 7.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
<b>Macray West Harbor Entrance</b>							
<i>Buoys maintained from Apr. 15 to Nov. 15.</i>							
8086	Canadian Weather Spar Buoy 1161 (C)	42-10-13.000N 083-09-51.000W	F Y				Maintained from Apr.1 to Nov.30. Private aid.
8087	Canadian Weather Spar Buoy 1179 (C)	42-13-21.000N 083-08-35.000W	F Y				Maintained from Apr.1 to Nov.30. Private aid.
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Fighting Island Channel</b>							
<b>Ecorse Channel</b>							
8090	- Buoy 2	42-14-12.079N 083-08-45.032W				Red nun.	Maintained from Apr. 7 to Nov. 1.
8095	- Buoy 4	42-14-26.055N 083-08-31.152W				Red nun.	Maintained from Apr. 7 to Nov. 1.
8100	- Buoy 5	42-14-29.730N 083-08-25.500W				Green can.	Maintained from Apr. 7 to Nov. 1.
8105	- Buoy 6	42-14-31.990N 083-08-06.889W				Red nun.	Maintained from Apr. 7 to Nov. 1.
8110	- Lighted Buoy 7	42-14-33.916N 083-08-07.372W	FI G 4s		4	Green.	Maintained from Apr. 7 to Nov. 1.
<b>Above Fighting Island</b>							
8115	Fighting Island North Lighted Buoy 104D (C)	42-15-00.000N 083-07-05.520W	FI R 4s			Red.	Spar; winter marker. Seasonal.
8120	Fighting Island Anchorage Lighted Buoy Dq (C)	42-15-06.030N 083-06-54.026W	FI Y 4s			Yellow.	Seasonal.
8125	FIGHTING ISLAND NORTH ANCHORAGE LIGHT (C)	42-15-41.130N 083-06-19.326W	FI Y 4s	32 10	3	SY with black anchor on yellow circular tower.	Visible all around. Seasonal.
8130	GREAT LAKES STEEL BOAT CLUB SOUTH LIGHT Marks entrance to marina.	42-15-38.000N 083-07-02.500W	F G	8 2		On post.	Private aid.
8135	GREAT LAKES STEEL BOAT CLUB NORTH LIGHT Marks entrance to marina.	42-15-39.200N 083-07-01.700W	F R	15 5		On post.	Private aid.
8147	MARINER'S MEMORIAL LIGHTHOUSE	42-16-10.200N 083-06-42.000W				Red and White.	Private aid.
8150	DETROIT EDISON CELL LIGHT SOUTH	42-16-25.000N 083-06-36.000W	Q W	20 6		On pile.	Private aid.
8155	DETROIT EDISON CELL LIGHT NORTH	42-16-27.000N 083-06-36.000W	Q W	20 6		On pile.	Private aid.
8160	River Rouge Canal Entrance Lighted Buoy 2	42-16-31.218N 083-06-33.323W	FI R 4s		4	Red.	AIS MMSI: 993672207
8170	Detroit River Lighted Buoy D108 (C)	42-18-48.030N 083-04-06.026W	FI R 4s			Red.	Seasonal.
8195	Third Street Junction Buoy	42-19-24.217N 083-03-04.840W				Green and red bands; can.	
8200	Griswold Street Junction Buoy	42-19-30.967N 083-02-34.239W				Green and red bands; can.	
<b>Limekiln Crossing Reach Channel</b>							
8200.1	DETROIT WAYNE COUNTY PORT AUTHORITY PIER LIGHT A	42-19-36.900N 083-02-29.000W	FI W 4s				Maintained year round. Private aid.
8200.2	DETROIT WAYNE COUNTY PORT AUTHORITY PIER LIGHT B	42-19-37.800N 083-02-26.600W	FI W 4s				Maintained year round. Private aid.
<b>Above Fighting Island</b>							
8201	TRI-CENTENNIAL STATE PARK ENTRANCE LIGHT 1	42-19-55.750N 083-01-32.230W	FI G 4s			On single pile.	Private aid.
8202	TRI-CENTENNIAL STATE PARK ENTRANCE LIGHT 2	42-19-56.260N 083-01-30.310W	FI R 4s			On side of Lighthouse.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Above Fighting Island</b>							
8205	<i>Belle Isle Lower Junction Lighted Buoy</i>	42-19-54.867N 083-00-56.836W	Fl (2+1)G 6s		4	Green and red bands.	Replaced by can from Dec. 21 to Apr. 1. AIS MMSI: 993672208
<b>Fleming Channel</b>							
8210	BELLE ISLE LIGHT	42-20-24.105N 082-57-35.704W	F G	30 9	7	On pile.	
8215	<i>Lighted Buoy D110 (C)</i>	42-20-30.030N 082-57-06.026W	Fl R 4s			Red.	Seasonal.
8220	<i>Livingstone Memorial Lighted Buoy 111</i>	42-20-35.719N 082-57-15.831W	Fl G 4s		4	Green.	
8225	<i>Lighted Buoy DPB Of Shoal (C)</i>					Red with green band.	Spar; winter marker. Seasonal.
8230	<i>Belle Isle Upper Junction Lighted Buoy</i>	42-21-02.156N 082-56-43.589W	Fl (2+1)G 6s		4	Green and red bands.	Maintained from Apr. 1 to Dec. 21.
8235	PECHE ISLAND LIGHT	42-20-54.480N 082-56-33.526W	Fl R 4s	44 13	6	TR on cylindrical tower.	Higher intensity beam up and down stream.
8240	<b>William Livingstone Memorial Light</b>	42-20-49.162N 082-57-15.833W	Oc W 4s	58 18	14	Pyramidal monumental structure.	Lighted throughout 24 hours.
8245	<i>Belle Isle North Lighted Buoy 113</i>	42-21-08.293N 082-56-34.188W	Fl G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 1. AIS MMSI: 993672209
8250	<i>Starboard Lagoon Obstruction Lighted Buoy</i> Marks submerged barge.	42-21-21.000N 082-56-35.000W				White with orange bands and diamond.	Maintained from Apr. 1 to Nov. 1. Private aid.
8255	<i>Peché Island Lighted Buoy 114</i>	42-21-10.276N 082-55-57.430W	Fl R 4s		4	Red.	Replaced by nun from Dec. 21 to Apr. 1. AIS MMSI: 993672210
8260	<b>Windmill Point Light</b>	42-21-27.256N 082-55-47.885W	Iso W 6s	42 13	15	Tower.	
8265	WINDMILL POINT PARK BREAKWATER OUTER LIGHT	42-21-30.000N 082-55-41.000W	Q W	3 1		On pile.	Length to breakwater is marked by 13 equally spaced fixed red lights. Private aid.
8270	WINDMILL POINT PARK BREAKWATER INNER LIGHT	42-21-30.000N 082-55-41.000W	Q W	3 1		On pile.	Private aid.
<b>Belle Isle North Channel</b>							
<b>Scott Middle Ground</b> <i>Buoys maintained from Apr. 1 to Nov. 14.</i>							
8280	- Lower Junction Buoy	42-20-08.307N 083-00-31.235W				Red and green bands; nun.	Maintained year round.
8285	- North Channel Buoy 2	42-20-15.317N 083-00-19.034W				Red nun.	Maintained year round.
8290	- North Channel Buoy 4	42-20-42.997N 082-59-46.253W				Red nun.	
8295	- North Channel Buoy 6	42-20-56.027N 082-59-24.322W				Red nun.	
8300	- North Channel Buoy 8	42-21-03.217N 082-59-04.371W				Red nun.	
8305	DETROIT BOAT CLUB LIGHT	42-20-29.700N 082-59-34.600W	F R	15 5		On pile.	Private aid.
8310	- South Channel Buoy 1	42-20-36.557N 082-59-39.303W				Green can.	
8315	- South Channel Buoy 3	42-20-41.897N 082-59-13.321W				Green can.	
8320	- South Channel Buoy 5	42-20-50.157N 082-58-45.760W				Green can.	
8325	- Upper Junction Buoy	42-21-00.187N 082-58-37.340W				Red and green bands; nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>DETROIT RIVER</b>							
<b>DETROIT RIVER (Chart 14848)</b>							
<b>Belle Isle North Channel</b>							
8330	ERMA HENDERSON MARINA WEST ENTRANCE LIGHTS (2)	42-21-07.500N 082-59-05.300W	F G	18 5		On piles.	Private aid.
8335	ERMA HENDERSON MARINA EAST LIGHTS	42-21-07.800N 082-59-04.500W	F R	18 5		On piles.	Private aid.
8340	ERMA HENDERSON MARINA LIGHTS (8) Marks cable string between pilings.	42-21-08.200N 082-59-02.500W	F R	18 5		On piles.	Private aid.
8341	PORTERFIELD RAMP LIGHT	42-21-20.600N 082-58-04.900W	F R	8 2		On pile.	Maintained from Apr. 1 to Nov. 30. Private aid.
8342	PORTERFIELD MARINA ENTRANCE LIGHT 1	42-21-18.900N 082-58-02.500W	F G	8 2		SG on pile.	Maintained from Apr. 1 to Nov. 30. Private aid.
8343	PORTERFIELD MARINA ENTRANCE LIGHT 2	42-21-18.800N 082-57-59.000W	F R	8 2		TR on pile.	Maintained from Apr. 1 to Nov. 30. Private aid.
8345	Intake Pipe Buoy 1	42-21-13.806N 082-58-24.859W				Green can.	Maintained from Apr. 1 to Nov. 14.
8350	WATERWORKS INTAKE CRIB LIGHT	42-21-08.300N 082-57-59.900W	FI W 5s	40 12		Gray stone tower on pier.	Private aid.
8355	<i>Detroit Edison Lighted Buoy 1A</i>	42-21-12.316N 082-57-28.466W	FI G 4s		4	Green.	Maintained from Apr. 1 to Dec. 7.
8360	DETROIT EDISON BOAT CLUB ENTRANCE LIGHT 2	42-21-18.000N 082-57-24.800W	F R			TR on post.	Maintained from Apr. 1 to Oct. 1.  Private aid.
8365	DETROIT EDISON BOAT CLUB ENTRANCE LIGHT 3	42-21-19.300N 082-57-25.000W	F G			SG on post.	Maintained from Apr. 1 to Oct. 1.  Private aid.
8370	WATERWORKS INTAKE LAGOON LIGHT	42-21-00.200N 082-57-16.500W	FI R 6s	22 7		Red post on small house on concrete pier.	Private aid.
8396	Grayhaven Canal Entrance Buoy 2	42-21-19.350N 082-56-45.050W				Red nun.	Maintained May 15 to Oct 31. Private aid.
8396.1	PORT LAGOON LIGHT 1	42-21-20.700N 082-56-46.118W	F G	11 3			Private aid.
8397	PORT LAGOON LIGHT 2	42-21-20.160N 082-56-45.300W	F R	11 3			Private aid.
8398	STARBOARD LAGOON LIGHT 1	82-21-21.000N 082-56-34.200W	F G	11 3			Private aid.
8399.5	Starboard Lagoon Obstr Daybeacon	42-21-22.022N 082-56-36.720W					Private aid.

**LAKE ST. CLAIR**

<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
<b>Lake St. Clair</b>							
<i>Lighted buoys maintained from Mar. 28 to Dec. 21.</i>							
8400	PECHE ISLAND RANGE FRONT LIGHT	42-21-37.587N 082-54-24.986W	F W	35 11		KRW on white skeleton tower with round conical foundation.	RACON: G ( - - ) Lighted throughout 24 hours.
8405	PECHE ISLAND RANGE FRONT PASSING LIGHT	42-21-37.531N 082-54-25.026W	F W	31 9	7	On same structure as Peche Island Range Front Light.	
8410	PECHE ISLAND RANGE REAR LIGHT 3,697 feet, 227.7° from front light.	42-21-13.016N 082-55-01.418W	F W	114 35		KRW on white skeleton tower with round conical foundation.	Lighted throughout 24 hours.
8415	- LIGHT 1	42-22-01.096N 082-53-59.129W	Q G	37 11	5	SG on post.	
8420	- <i>Lighted Buoy 2</i>	42-21-54.301N 082-53-52.356W	FI R 4s		5	Red.	AIS MMSI: 993672211
8425	- Buoy 3	42-22-27.290N 082-53-18.313W				Green can.	
8430	- Buoy 4	42-22-22.121N 082-53-11.056W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
<b>Lake St. Clair</b>							
<i>Lighted buoys maintained from Mar. 28 to Dec. 21.</i>							
8435	- Buoy 5	42-22-56.254N 082-52-35.369W				Green can.	
8440	- Buoy 6	42-22-50.712N 082-52-28.611W				Red nun.	
8442	Grosse Pointe Dumping Grounds Buoy B	42-22-12.031N 082-51-01.026W				Yellow can.	Maintained from Apr. 21 to Nov. 01.
8445	- <i>Lighted Buoy 7</i>	42-23-19.779N 082-52-00.315W	FI G 4s		4	Green.	Replaced by can Dec 21 to Mar 28
8450	- <i>Lighted Buoy 8</i>	42-23-14.484N 082-51-53.033W	FI R 4s		4	Red.	AIS MMSI: 993672212
8455	- Buoy 9	42-23-47.764N 082-51-18.880W				Green can.	
8460	- Buoy 10	42-23-42.351N 082-51-11.786W				Red nun.	
8465	- Buoy 11	42-24-10.477N 082-50-44.819W				Green can.	
8470	- Buoy 12	42-24-05.056N 082-50-37.662W				Red nun.	
8472	Grosse Pointe Dumping Grounds Buoy A	42-23-35.031N 082-48-52.026W				Yellow can.	Maintained from Apr. 21 to Nov. 01.
8475	- <i>Lighted Buoy 13</i>	42-24-37.971N 082-50-05.016W	FI G 4s		4	Green.	
8480	- LIGHT 14	42-24-31.597N 082-49-57.639W	FI R 4s	30 9	5	TR on post on concrete structure.	
8485	- Buoy 15	42-25-12.934N 082-49-12.377W				Green can.	
8490	- Buoy 16	42-25-07.162N 082-49-04.691W				Red nun.	
8495	- <i>Lighted Buoy 17</i>	42-25-50.131N 082-48-17.766W	FI G 4s		5	Green.	
8500	- <i>Lighted Buoy 18</i>	42-25-44.251N 082-48-10.586W	FI R 4s		6	Red.	
8505	- Buoy 19	42-26-24.683N 082-47-25.769W				Green can.	
8510	- Buoy 20	42-26-19.141N 082-47-18.576W				Red nun.	
<b>Macray West Harbor Entrance</b>							
<i>Buoys maintained from Apr. 15 to Nov. 15.</i>							
8513	ACOE Lake St Clair Water Sensor Buoy 1	42-25-55.600N 082-46-11.280W	FI Y 4s				Maintained from Apr.15 to Dec.1. Private aid.
<b>Lake St. Clair</b>							
<i>Lighted buoys maintained from Mar. 28 to Dec. 21.</i>							
8515	- <i>Lighted Buoy 21</i>	42-27-00.211N 082-46-33.416W	FI G 4s		4	Green.	
8520	- <i>Lighted Buoy 22</i>	42-26-54.481N 082-46-26.156W	FI R 4s		4	Red.	
8525	- LIGHT	42-27-55.151N 082-45-15.466W	Iso G 6s	52 16	12	White square tower on cylindrical base.	RACON: N ( - . ) Higher intensity beam upstream.
8530	- <i>Lighted Buoy 24</i>	42-27-48.091N 082-45-06.056W	FI R 2.5s		4	Red.	
8535	ST. CLAIR FLATS CANAL RANGE FRONT LIGHT	42-33-02.626N 082-39-02.780W	F G	48 15		White daymark on pyramidal tower.	Lighted throughout 24 hours.
8540	ST. CLAIR FLATS CANAL RANGE REAR LIGHT	42-33-32.538N 082-38-27.485W	F G	112 34		White daymark on pyramidal tower.	Lighted throughout 24 hours.
8545	- <i>Lighted Buoy 25</i>	42-29-01.751N 082-43-53.596W	FI G 4s		4	Green.	Replaced by can from Dec 21. to Mar.28.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
<b>Lake St. Clair</b>							
<i>Lighted buoys maintained from Mar. 28 to Dec. 21.</i>							
8550	- Lighted Buoy 26	42-28-56.641N 082-43-45.446W	FI R 4s		4	Red.	Replaced by nun from Dec. 21 to Mar. 28.
8555	- Lighted Buoy 27	42-29-45.831N 082-43-01.776W	FI G 4s		4	Green.	
8560	- Lighted Buoy 28	42-29-40.800N 082-42-53.627W	FI R 4s		4	Red.	
8565	- Lighted Buoy 29	42-30-36.011N 082-42-02.686W	FI G 2.5s		4	Green.	Replaced by can from Dec. 21 to Mar. 28. AIS MMSI: 993672233
8570	- Lighted Buoy 30	42-30-30.759N 082-41-54.497W	Q R		4	Red	Year round lighted buoy. AIS MMSI: 993672213
8575	- Buoy 31	42-30-49.980N 082-41-45.927W				Green.	Replaced by can from Dec. 21 to Mar. 28.
8580	SQUIRREL ISLAND RANGE FRONT LIGHT (C)	42-33-12.031N 082-35-00.025W	Iso Y 2s 1s fl 1s ec.	30 9		Orange triangular daymark with black vertical stripe on white square skeleton tower.	Visible on range line only.
8585	SQUIRREL ISLAND RANGE REAR LIGHT (C) 3,506 feet, 064.3° from front light.		F Y	84 26		Orange inverted triangular daymark with black vertical stripe on white skeleton tower.	Visible in line of range.
<b>St. Clair Cut-Off Channel</b>							
8590	- Preferred Channel Lighted Buoy CO	42-30-58.599N 082-41-22.277W	FI (2+1)G 6s		4	Green with red band	Replaced by can from Dec. 14 to Mar. 28.
<b>Lake St. Clair</b>							
<i>Lighted buoys maintained from Mar. 28 to Dec. 21.</i>							
8595	PIER LIGHT X32/2 (C) 190 feet outside channel limit.	42-30-54.031N 082-41-06.026W	FI R 4s	24 7		White circular tower with red top.	
<b>St. Clair Cut-Off Channel</b>							
8600.1	- Lighted Buoy 32	42-30-55.349N 082-41-09.691W	FI R 2.5s		4		Replaced by nun from Dec. 21 to Mar. 28.
<b>Lake St. Clair</b>							
<i>Lighted buoys maintained from Mar. 28 to Dec. 21.</i>							
8605	PIER LIGHT X35 (C) 190 feet outside channel limit.		FI G 4s	33 10		White circular tower with green top.	
8610	PIER LIGHT X36 (C) 190 feet outside channel limit.		FI R 4s	26 8		White square tower with red stripes on corners.	
8615	PIER LIGHT X39 (C)		FI G 4s	29 9		White square tower with green top.	
8620	PIER LIGHT X40 (C) 190 feet outside channel limit.		FI R 4s	26 8		White square tower with red stripes on corners.	
8625	PIER LIGHT X43 (C)	42-32-24.031N 082-37-30.026W	FI G 4s	24 7		White square tower with green top.	
8630	PIER LIGHT X44 (C) 190 feet outside channel limit.	42-32-12.031N 082-37-24.026W	FI R 4s	24 7		White square tower with red stripes on corners.	
8635	PIER LIGHT X47 (C)	42-32-48.031N 082-36-18.026W	FI G 4s	29 9		White square tower with green top.	
8640	PIER LIGHT X48 (C) 190 feet outside channel limit.	42-32-42.031N 082-36-12.026W	FI R 4s	24 7		White square tower with red stripes on corners.	
<b>St. Clair Cut-Off Channel</b>							
8645	HARSENS ISLAND LIGHT 11	42-32-59.031N 082-35-55.026W	FI G 4s	26 8	4	SG on white cylindrical tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
<b>Lake St. Clair</b>							
<i>Lighted buoys maintained from Mar. 28 to Dec. 21.</i>							
8650	<i>Lighted Buoy X50 (C)</i>	42-32-54.031N 082-35-30.026W	FI R 4s			Red.	
<b>St. Clair Cut-Off Channel</b>							
8655	- <i>Lighted Buoy 13</i>	42-33-05.157N 082-35-27.189W	FI G 2.5s		4	Green.	Maintained from Mar. 28 to Dec. 21.
<b>Lake St. Clair</b>							
<i>Lighted buoys maintained from Mar. 28 to Dec. 21.</i>							
8660	<i>Lighted Buoy A14 (C)</i>	42-33-06.031N 082-35-12.025W	FI R 4s			Red.	Seasonal.
<b>Grosse Point</b>							
8665	- MUNICIPAL PIER NORTHEAST LIGHT	42-22-50.000N 082-54-13.000W	F Y	18 5		On post.	Maintained from Apr. 15 to Nov. 1. Private aid.
8666	- MUNICIPLE PIER SOUTHWEST LIGHT	42-22-49.000N 082-54-16.000W	F Y	18 5		On Post.	Maintained from Apr. 15 to Nov. 1. Private aid.
8667	- <i>Lighted Entrance Buoy 1</i>	42-22-44.000N 082-54-13.500W	FI G 4s			Green.	Maintained from Apr. 15 to Nov. 1. Private aid.
8668	- <i>Lighted Entrance Buoy 2</i>	42-22-44.500N 082-54-13.000W	FI R 4s			Red.	Maintained from Apr. 15 to Nov. 1. Private aid.
8669	- <i>Lighted Channel Buoy 3</i>	42-22-46.500N 082-54-15.000W	FI G 4s			Green.	Maintained from Apr. 15 to Nov. 1. Private aid.
8670	- <i>Lighted Channel Buoy 4</i>	42-22-47.000N 082-54-14.000W	FI R 4s			Red.	Maintained from Apr. 15 to Nov. 1. Private aid.
8675	- MUNICIPAL PIER SOUTHWEST ENTRANCE LIGHT 5	42-22-50.000N 082-54-16.500W	FI G 4s	16 5		On post.	Maintained from Apr. 15 to Nov. 1. Private aid.
8680	- MUNICIPAL PIER SOUTHWEST ENTRANCE LIGHT 6	42-22-49.750N 082-54-16.500W	FI R 4s	16 5		On post.	Maintained from Apr. 15 to Nov. 1. Private aid.
8685	- MUNICIPAL PIER NORTHWEST ENTRANCE LIGHT 7	42-22-53.000N 082-54-19.000W	FI G 4s	16 5		On post.	Maintained from Apr. 15 to Nov. 1. Private aid.
8690	- MUNICIPAL PIER NORTHWEST ENTRANCE LIGHT 8	42-22-52.500N 082-54-15.000W	FI R 4s	16 5		On post.	Maintained from Apr. 15 to Nov. 1. Private aid.
8695	- CLUB HARBOR ENTRANCE WEST LIGHT	42-22-57.500N 082-53-49.000W	F G	10 3		On post.	Private aid.
8700	- CLUB HARBOR ENTRANCE EAST LIGHT	42-22-57.500N 082-53-48.000W	F R	10 3		On post.	Private aid.
8705	- CLUB DOCK SOUTH LIGHT	42-23-00.000N 082-53-46.000W	F G	15 5		On post.	Private aid.
8710	- CLUB DOCK NORTH LIGHT	42-22-58.500N 082-53-42.000W	F G	15 5		On post.	Private aid.
<b>Crescent Sail Yacht Club</b>							
8725	- WEST LIGHT	42-24-04.490N 082-53-06.000W	F G	10 3		SG on pile.	Private aid.
8730	- EAST LIGHT	42-24-04.620N 082-53-05.310W	F R	9 3		TR on pile.	Private aid.
8735	- BREAKWATER SOUTH LIGHT	42-24-06.600N 082-53-02.700W	Q W	25 8		NW on white pile cluster.	Visible 180° through 020°. Private aid.
8740	- BREAKWATER NORTH LIGHT	42-24-07.200N 082-53-02.000W	Q W	25 8		NW on white pile cluster.	Visible 195° through 030°. Private aid.
<b>Grosse Point</b>							
8745	MUNICIPAL PIER SOUTH BASIN LIGHT	42-24-17.600N 082-53-00.700W	F R	10 3		TR on post.	Maintained from Apr. 1 to Dec. 1. Private aid.
8747	- Farms Buoy 1	42-24-15.784N 082-52-58.791W				Green can.	Maintained from MAY 1. to NOV. 1 Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
<b>Lake St. Clair</b>							
<b>Grosse Point</b>							
8748	- Farms Buoy 2	42-24-20.992N 082-52-58.544W				Red nun.	Maintained from MAY 1. to NOV 1. Private aid.
8749	- Farms Buoy 3	42-24-17.553N 082-53-01.728W				Green can.	Maintained from MAY 1. to NOV. 1 Private aid.
8750	- FARMS LIGHT 4	42-24-18.245N 082-53-01.214W	F R	15 5		TR on post.	Maintained from May. 1 to Nov. 1. Private aid.
8752	- FARMS LIGHT 5	42-24-17.580N 082-53-00.068W	F G	6 2		SG on post.	Maintained from May. 1 to Nov. 1. Private aid.
8755	- YACHT CLUB LIGHT	42-26-06.000N 082-52-21.000W	FI W 2.5s	65 20		Square skeleton tower with building attached.	Private aid.
8756	- E YACHT CLUB NORTH BREAKWATER LIGHT	42-26-08.110N 082-52-07.280W	FI Y 4s				Private aid.
8757	- E YACHT CLUB CENTER BREAKWATER LIGHT	42-26-05.730N 082-52-07.630W	FI Y 4s				Private aid.
8758	- E YACHT CLUB SOUTH BREAKWATER LIGHT	42-26-03.590N 082-52-09.090W	FI Y 4s				Private aid.
8760	- YACHT CLUB OUTER BREAKWATER LIGHT B	42-26-00.000N 082-52-13.000W	F R	8 2			Private aid.
8765	- YACHT CLUB OUTER BREAKWATER LIGHT C	42-26-00.000N 082-52-16.000W	F R	8 2		On pile.	Private aid.
8770	- YACHT CLUB OUTER BREAKWATER LIGHT D	42-26-00.000N 082-52-17.000W	F G	8 2			Private aid.
8775	- YACHT CLUB OUTER BREAKWATER LIGHT E	42-26-00.000N 082-52-20.000W	F R	8 2		On pile.	Private aid.
8780	- YACHT CLUB OUTER BREAKWATER LIGHT F	42-26-02.000N 082-52-25.000W	F R	8 2			Private aid.
<b>Milk River Channel</b>							
<i>Buoys maintained from May 1 to Nov. 1</i>							
8785	- DRAIN LIGHT 1	42-27-36.000N 082-52-21.000W	FI W 4s	8 2		Black.	Maintained from Apr. 20 to Nov. 20. Private aid.
8790	- Lighted Buoy 1	42-27-36.500N 082-52-17.500W	Q G			Green.	Private aid.
8795	- Lighted Buoy 2	42-27-37.100N 082-52-17.000W	Q R			Red.	Private aid.
8800	- Buoy 3	42-27-36.800N 082-52-21.200W				Green can.	Private aid.
8805	- Buoy 4	42-27-37.700N 082-52-21.000W				Red nun.	Private aid.
8810	- Buoy 5	42-27-36.800N 082-52-25.000W				Green can.	Private aid.
8815	- Buoy 6	42-27-38.000N 082-52-25.500W				Red nun.	Private aid.
8820	- Buoy 7	42-27-37.000N 082-52-29.500W				Green can.	Private aid.
8825	- Buoy 8	42-27-38.000N 082-52-29.200W				Red nun.	Private aid.
<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
8850	Gaukler Shoal Lighted Buoy 1	42-27-41.816N 082-51-39.234W	FI G 4s		3	Green.	Maintained from Apr. 21 to Nov. 1.
8855	Gaukler Shoal Junction Lighted Buoy	42-28-32.052N 082-51-30.340W	FI (2+1)G 6s		3	Green and red bands.	Maintained from Apr. 21 to Nov. 1.
8875	MILLER MEMORIAL LIGHT	42-27-49.500N 082-52-45.000W	AI WR 10s 0.2s W fl 4.8s ec. 0.2s R fl 4.8s ec.	270 82			Maintained from Apr. 15 to Dec. 1. Private aid.
8885	ST. CLAIR SHORES BREAKWATER LIGHT 2	42-28-22.296N 082-52-42.633W	FI R 4s	16 5	5	TR on pile.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
8890	MARTIN DRAIN OUTER LIGHT	42-28-57.500N 082-52-47.800W	Fl W 2.5s	12 4		NW on post.	Maintained from Mar. 15 to Dec. 15. Private aid.
8891	<i>Masonic Country Club Lighted Buoy</i>	42-31-28.440N 082-52-04.980W	Fl Y 4s				Maintained from Apr. 15 to November 15. Private aid.
<b>Macray West Harbor Entrance</b> <i>Buoys maintained from Apr. 15 to Nov. 15.</i>							
8892	ACOE LKSTC Water Sensor Buoy 1	42-32-38.130N 082-49-48.490W	Fl Y 4s				Maintained from Apr. 15 to Dec. 1. Private aid.
<b>St. Clair Municipal Park Entrance</b> <i>Buoys maintained from Apr. 1 to Nov. 1.</i>							
8905	- Buoy 1	42-29-44.000N 082-52-41.000W				Green can.	Private aid.
8910	- Buoy 2	42-29-46.000N 082-52-42.000W				Red nun.	Private aid.
8915	- Buoy 3	42-29-44.000N 082-52-48.000W				Green can.	Private aid.
8920	- Buoy 4	42-29-46.000N 082-52-49.000W				Red nun.	Private aid.
8921	Point Rosa West Channel Entrance Buoy 1	43-34-06.870N 082-49-05.290W				Green can.	Private aid.
8921.1	Point Rosa West Channel Entrance Buoy 2	42-34-06.900N 082-49-04.490W				Red nun.	Private aid.
8921.2	Point Rosa West Channel Entrance Buoy 3	42-34-08.110N 082-49-05.230W				Green can.	Private aid.
8921.3	Point Rosa West Channel Entrance Buoy 4	42-34-08.130N 082-49-04.430W				Red nun.	Private aid.
8921.4	Point Rosa West Channel Entrance Buoy 5	42-34-09.340N 082-49-05.160W				Green can.	Private aid.
8921.5	Point Rosa West Channel Entrance Buoy 6	42-34-09.360N 082-49-04.370W				Red nun.	Private aid.
8921.6	Point Rosa West Channel Entrance Buoy 7	42-34-10.580N 082-49-05.100W				Green can.	Private aid.
8921.7	Point Rosa West Channel Entrance Buoy 8	42-34-10.600N 082-49-04.300W				Red nun.	Private aid.
8922	Point Rosa East Channel Entrance Buoy 1	42-34-06.470N 082-48-48.790W				Green can.	Private aid.
8922.1	Point Rosa East Channel Entrance Buoy 2	42-34-06.490N 082-48-47.990W				Red nun.	Private aid.
8922.2	Point Rosa East Channel Entrance Buoy 3	42-34-07.700N 082-48-48.730W				Green can.	Private aid.
8922.3	Point Rosa East Channel Entrance Buoy 4	42-34-07.720N 082-48-47.930W				Red nun.	Private aid.
8922.4	Point Rosa East Channel Entrance Buoy 5	42-34-08.930N 082-48-48.660W				Green can.	Private aid.
8922.5	Point Rosa East Channel Entrance Buoy 6	42-34-08.950N 082-48-47.880W				Red nun.	Private aid.
8922.6	Point Rosa East Channel Entrance Buoy 7	42-34-10.170N 082-48-48.600W				Green can.	Private aid.
8922.7	Point Rosa East Channel Entrance Buoy 8	42-34-10.190N 082-48-47.800W				Red nun.	Private aid.
8925	<i>Point Huron Lighted Buoy 1PH</i>	42-33-12.337N 082-44-51.560W	Fl G 2.5s		3	Green.	Maintained from Apr. 21 to Nov. 1.
8926	<i>Harbor Club South Lighted Buoy 2</i>	42-33-28.800N 082-50-37.300W	Q R			Red.	Maintained from 1 Apr. to 15 Nov. Private aid.
8926.1	Harbor Club South Unlighted Buoy 4	42-33-31.800N 082-50-37.700W				Red nun.	Maintained from 1 Apr. to 15 Nov. Private aid.
8926.2	<i>Harbor Club South Lighted Buoy 6</i>	42-33-33.700N 082-50-38.000W	Fl R 4s			Red.	Maintained from 1 Apr. to 15 Nov. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
<b>Black Creek</b>							
8930	- RANGE FRONT LIGHT	42-34-03.200N 087-47-05.000W	FI G 4s	20 6		White diamond daymark.	Maintained from Apr. 1 to Nov. 1. Private aid.
8935	- RANGE REAR LIGHT 336 feet, 297.3° from front light.	42-34-06.200N 082-47-10.300W	F G	40 12		White diamond daymark.	Maintained from Apr. 1 to Nov. 1. Private aid.
8940	- <i>Lighted Buoy 1</i>	42-33-53.800N 082-46-43.600W	FI G 4s			Green.	Maintained from Apr. 1 to Nov. 1. Private aid.
8945	- <i>Lighted Buoy 2</i>	42-33-55.700N 082-46-42.500W	FI R 4s			Red.	Maintained from Apr. 1 to Nov. 1. Private aid.
8950	- Buoy 3	42-33-56.000N 082-46-48.300W				Green can.	Maintained from Apr. 1 to Nov. 1. Private aid.
8955	- Buoy 4	42-33-57.500N 082-46-47.000W				Red nun.	Maintained from Apr. 1 to Nov. 1. Private aid.
8960	- Buoy 5	42-33-57.500N 082-46-53.000W				Green can.	Maintained from Apr. 1 to Nov. 1. Private aid.
8965	- Buoy 6	42-33-59.500N 082-46-52.000W				Red nun.	Maintained from Apr. 1 to Nov. 1. Private aid.
8970	HURON POINTE YACHT CLUB BREAKWALL LIGHT	42-35-36.000N 082-46-51.000W	Q R	15 5		On post.	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>Harbor Club North Entrance</b>							
<i>Buoys maintained from Apr. 1 to Nov. 30.</i>							
8971	- <i>Lighted Buoy 1</i>	42-34-05.000N 082-49-22.500W	FI G 2s			Green.	Private aid.
8971.5	- <i>Lighted Buoy 2</i>	42-34-05.000N 082-49-20.000W	FI R 2s			Red.	Private aid.
8972	- Buoy 3	42-34-07.000N 082-49-22.500W				Green can.	Private aid.
8972.5	- Buoy 4	42-34-07.000N 082-49-20.000W				Red nun.	Private aid.
8973	- Buoy 5	42-34-09.800N 082-49-22.500W				Green can.	Private aid.
8973.5	- Buoy 6	42-34-09.800N 082-49-20.000W				Red nun.	Private aid.
<b>Clinton River</b>							
<i>Buoys maintained from Apr. 21 to Nov. 1.</i>							
8975	- Entrance <i>Lighted Buoy CR</i>	42-35-38.694N 082-44-43.446W	Mo (A) W		3	Red and white stripes.	
8980	- Entrance <i>Lighted Buoy 1</i>	42-35-36.624N 082-45-44.228W	FI G 4s		3	Green.	
8985	- Entrance <i>Lighted Buoy 2</i>	42-35-39.734N 082-45-43.709W	FI R 4s		4	Red.	
8990	- Entrance Buoy 3	42-35-37.310N 082-45-52.970W				Green can.	
8995	- Entrance Buoy 4	42-35-39.578N 082-45-52.424W				Red nun.	
9000	- Entrance Buoy 5	42-35-38.355N 082-46-01.619W				Green can.	
9005	- Entrance Buoy 6	42-35-39.962N 082-46-00.836W				Red nun.	
9015	- NORTH BREAKWATER LIGHT	42-35-41.631N 082-46-12.526W	FI R 2.5s	26 8	4	TR on post.	
9020	- SOUTH BREAKWATER LIGHT	42-35-38.231N 082-46-10.226W	FI G 4s	35 11	5	SG on green and white cylindrical tower.	
9030	MACOMB COUNTY SHERIFF LOOKOUT TOWER LIGHT	42-35-34.200N 082-46-21.000W	FI Y 4s	46 14		Lookout tower.	Private aid.
9035	- INNER LIGHT	42-35-42.592N 082-46-32.566W	FI R 4s	25 8	5	TR on post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
<b>Island Cove Marina</b>							
9038	- Entrance Lighted Buoy 1	42-36-07.440N 082-46-59.760W	FI G 4s			Green.	Private aid.
9039	- Entrance Lighted Buoy 2	42-36-09.360N 082-47-01.080W	FI R 4s			Red.	Private aid.
9040	- Entrance Lighted Buoy 3	42-36-04.260N 082-47-06.720W	FI G 4s			Green.	Private aid.
9041	- Entrance Lighted Buoy 4	42-36-05.280N 082-47-07.440W	FI R 4s			Red.	Private aid.
9042	- Entrance Lighted Buoy 5	42-36-00.480N 082-47-15.120W	FI G 4s			Green.	Private aid.
9043	- Entrance Lighted Buoy 6	42-36-00.540N 082-47-17.280W	FI R 4s			Red.	Private aid.
9044	- Entrance Lighted Buoy 7	42-35-57.960N 082-47-17.040W	FI G 4s			Green.	Private aid.
9045	- Entrance Lighted Buoy 8	42-35-57.900N 082-47-18.600W	FI R 4s			Red.	Private aid.
9046	- Entrance Lighted Buoy 9	42-35-55.000N 082-47-17.000W	FI G 4s			Green	Private aid.
9047	- Entrance Lighted Buoy 10	42-35-55.000N 082-47-19.000W	FI R 4s			Red.	Private aid.
9048	- Entrance Lighted Buoy 11	42-35-51.000N 082-47-18.000W	FI G 4s			Green.	Private aid.
9049	- Entrance Lighted Buoy 12	42-35-51.000N 082-47-19.000W	FI R 4s			Red.	Private aid.
<b>Belle Maer Marina</b>							
<i>Aids to navigation maintained from May 1 to Nov. 1.</i>							
9070	- RANGE FRONT LIGHT	42-36-15.654N 082-47-38.916W	F G	15 5		White diamond shaped daymark with red and black in center on post.	Private aid.
9075	- RANGE REAR LIGHT 450 feet, 203.5° from front light.	42-36-10.380N 082-47-42.930W	F G	25 8		White diamond shaped daymark with red and black in center on post.	Private aid.
9080	- Lighted Buoy 1	42-36-32.500N 082-47-28.800W	FI G 4s			Green.	Private aid.
9085	- Lighted Buoy 2	42-36-32.500N 082-47-30.500W	FI R 4s			Red.	Private aid.
9090	- Buoy 3	42-36-25.800N 082-47-32.500W				Green can.	Private aid.
9095	- Buoy 4	42-36-25.800N 082-47-34.000W				Red nun.	Private aid.
<b>Macray East Harbor Entrance</b>							
<i>Buoys maintained from Apr. 15 to Nov. 15.</i>							
9100	- Lighted Buoy 1	42-36-32.500N 082-47-52.500W	FI G 2.5s			Green.	Private aid.
9105	- Buoy 2	42-36-32.900N 082-47-55.000W				Red nun.	Private aid.
9110	- Buoy 3	42-36-27.500N 082-47-55.500W				Green can.	Private aid.
9115	- Buoy 4	42-36-28.300N 082-47-56.500W				Red nun.	Private aid.
<b>Macray West Harbor Entrance</b>							
<i>Buoys maintained from Apr. 15 to Nov. 15.</i>							
9120	- Lighted Buoy 1	42-36-39.000N 082-48-09.500W				Green.	Private aid.
9125	- Buoy 2	42-36-40.000N 082-48-12.300W				Red nun.	Private aid.
9130	- Buoy 3	42-36-35.000N 082-48-12.500W				Green can.	Private aid.
9135	- Buoy 4	42-36-36.000N 082-48-14.200W				Red nun.	Private aid.
<b>Selfridge Field</b>							
9140	- SOUTHEAST BREAKWATER LIGHT	42-36-36.031N 082-48-48.026W	FI Y 6s	11 3	5	On post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>LAKE ST. CLAIR (Charts 14850, 14853)</b>							
<b>Selfridge Field</b>							
9150	- NORTHWEST BREAKWATER LIGHT	42-36-42.031N 082-48-54.026W	FI Y 6s	11 3	5	On post.	
<b>Selfridge Launch Facility</b>							
9162	SELFRIDGE MARINA SOUTH BREAKWALL LIGHT 1	42-36-57.931N 082-49-06.026W	FI G 4s	20 6	5	SG on pile.	
9163	SELFRIDGE MARINA NORTH BREAKWATER LIGHT 2	42-36-59.031N 082-49-06.026W	FI R 4s	20 6	4	TR on pile.	
9165	- Buoy 1	42-37-04.800N 082-49-00.600W				Green can.	Private aid.
9170	- Buoy 2	42-37-48.000N 082-49-06.000W				Red cylinders.	Private aid.
9175	- Buoy 3	42-37-35.500N 082-49-05.000W				Green can.	Private aid.
9180	- Buoy 4	42-37-48.000N 082-49-06.000W				Red cylinders.	Private aid.
9185	- Buoy 5	42-37-35.500N 082-49-07.000W				Green can.	Private aid.
9190	- Buoy 6	42-37-48.000N 082-49-06.000W				Red cylinders.	Private aid.
9195	- ENTRANCE LIGHT 2	42-37-47.000N 082-49-00.000W	FI R 4s	28 9		On breakwall.	Maintained from May 1 to Nov. 1. Private aid.
9200	SALT RIVER RANGE FRONT LIGHT	42-39-16.000N 082-47-05.000W	F G	16 5		White daymark with orange diamond on pile.	Maintained from Jun. 15 to Nov. 15. Private aid.
9205	SALT RIVER RANGE REAR LIGHT 295 feet, 018° from front light.	42-39-18.300N 082-47-04.400W	F G	26 8		White daymark with orange diamond on pile.	Maintained from Jun. 15 to Nov. 15. Private aid.
<b>Bouvier Bridge Marina Channel</b>							
<i>Channel marked by 18 lighted and unlighted buoys maintained from Apr. 15 to Nov. 1.</i>							
9259	- Lighted Buoy 1	42-40-13.277N 082-38-03.190W	FI G 2.5s			Green.	Private aid.
9260	- Lighted Buoy 2	42-40-11.734N 082-38-03.873W	FI R 2.5s			Red.	Private aid.
9265	Fair Haven Entrance Lighted Buoy 1FH	42-40-03.350N 082-38-29.613W	FI G 4s		3	Green.	Maintained from Apr. 21 to Nov. 1.
9295	CHATEAU MARINA LIGHT 1	42-41-13.000N 082-42-19.000W	F G	8 2		SG on pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
9300	CHATEAU MARINA LIGHT 2	42-41-12.100N 082-42-19.500W	F R	8 2		TR on pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>ST. CLAIR RIVER (Chart 14852)</b>							
<b>North Channel Entrance</b>							
<i>Position of unlighted buoys frequently shifted with changing conditions. Buoys maintained from Apr. 21 to Nov. 1.</i>							
9305	- Lighted Buoy 2NC	42-37-32.531N 082-43-03.826W	FI R 4s		3	Red.	
9310	- Buoy 3	42-37-50.115N 082-42-49.081W				Green can.	
9320	- Buoy 5	42-38-04.531N 082-42-24.826W				Green can.	
9325	- Buoy 6	42-38-03.108N 082-42-20.319W				Red nun.	
9327	- Buoy 6A	42-38-14.816N 082-41-55.994W				Red nun.	
9330	- Buoy 7	42-38-21.791N 082-41-52.617W				Green can.	
9335	- Channel Lighted Buoy 8	42-38-20.312N 082-41-51.050W	FI R 2.5s		4	Red nun.	
9340	- Buoy 9	42-38-28.130N 082-41-47.545W				Green can.	
9345	- Buoy 10	42-38-26.758N 082-41-45.620W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>ST. CLAIR RIVER (Chart 14852)</b>							
<b>North Channel Entrance</b>							
<i>Position of unlighted buoys frequently shifted with changing conditions. Buoys maintained from Apr. 21 to Nov. 1.</i>							
9347	- Channel Lighted Buoy 11	42-38-33.397N 082-41-40.286W	FI G 2.5s		4	Green can.	
9350	- Channel Lighted Buoy 12	42-38-33.466N 082-41-32.018W	Q R		4	Red nun.	
9355	- Lighted Buoy 13	42-38-37.222N 082-41-27.136W	FI G 4s		3	Green.	
<b>ST. CLAIR RIVER (Chart 14852)</b>							
<i>Buoys maintained from Apr. 21 to Nov. 1.</i>							
9360	North Channel Buoy 14	42-38-34.036N 082-41-08.373W				Red nun.	
9365	North Channel Buoy 15	42-38-39.451N 082-40-57.515W				Green can.	
9370	North Channel Entrance Channel Lighted Buoy 17	42-38-42.123N 082-40-25.193W	FI G 4s		4	Green can.	
9375	North Channel Buoy 18	42-38-33.339N 082-40-44.673W				Red nun.	
9380	North Channel Buoy 19	42-38-39.564N 082-40-04.676W				Green can.	
9385	North Channel Lighted Buoy 20	42-38-33.882N 082-40-09.328W	FI R 4s		3	Red.	
9387	North Channel Buoy 22	42-38-26.831N 082-39-55.826W				Red nun.	
9390	BELVIDERE BOAT CLUB LIGHT	42-38-01.200N 082-39-29.000W	F R	16 5		Small house with red and white stripes.	Maintained from May 15 to Nov. 1. Private aid.
9395	NORTH CHANNEL YACHT CLUB LIGHT 1	42-37-40.000N 082-38-52.300W	F G	7 2		On pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
9400	NORTH CHANNEL YACHT CLUB LIGHT 2	42-37-39.800N 082-38-53.800W	F R	7 2		On pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>Sassy Marine</b>							
<i>Aids maintained from Apr. 1 to Nov. 1.</i>							
9405	- WEST ENTRANCE LIGHT 1	42-37-20.000N 082-37-09.000W	F G	6 2		On pile.	Private aid.
9410	- WEST ENTRANCE LIGHT 2	42-37-21.000N 082-37-09.000W	F R	8 2		On pile.	Private aid.
9415	- EAST ENTRANCE LIGHT 1	42-37-18.000N 082-37-04.000W	F G	8 2		On pile.	Private aid.
9420	- EAST ENTRANCE LIGHT 2	42-37-16.000N 082-37-04.000W	F R	7 2		On pile.	Private aid.
9425	Algonac Harbor Buoy 1	42-36-36.000N 082-32-54.000W				Green spar.	Private aid.
9430	Algonac Harbor Buoy 2	42-36-35.000N 082-32-53.100W				Red spar.	Private aid.
<b>Middle Channel Entrance</b>							
<i>Position of unlighted buoys frequently shifted with changing conditions. Buoys maintained from Apr. 21 to Nov. 1.</i>							
9435	- Lighted Buoy 1MC	42-33-45.826N 082-43-57.639W	FI G 4s		3	Green.	
9440	- Lighted Buoy 2	42-33-50.301N 082-43-20.242W	FI R 4s		3	Red.	
9445	- Buoy 3	42-33-53.826N 082-43-18.168W				Green can.	
9450	- Buoy 4	42-33-36.150N 082-43-06.313W				Red nun.	
9455	- Buoy 5	42-33-39.068N 082-43-05.192W				Green can.	
<b>ST. CLAIR RIVER (Chart 14852)</b>							
<i>Buoys maintained from Apr. 21 to Nov. 1.</i>							
9460	Middle Channel Lighted Buoy 6	42-33-21.487N 082-42-47.530W	FI R 2.5s		3	Red.	
9465	Middle Channel Buoy 7	42-33-27.646N 082-42-46.922W				Green can.	
9470	Middle Channel Buoy 8	42-33-18.952N 082-42-21.006W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>ST. CLAIR RIVER (Chart 14852)</b>							
<i>Buoys maintained from Apr. 21 to Nov. 1.</i>							
9475	Middle Channel Buoy 9	42-33-23.146N 082-42-20.613W				Green can.	
9480	Middle Channel Buoy 10	42-33-17.866N 082-41-54.974W				Red nun.	
9485	Middle Channel Buoy 11	42-33-23.052N 082-41-54.989W				Green can.	
9490	Middle Channel Lighted Buoy 12	42-33-20.176N 082-41-29.903W	FI R 4s		3	Red.	
<b>Clinton River Boat Club</b>							
<i>Aids maintained from May 1 to Nov. 1.</i>							
9495	- South Entrance Buoy 4	42-33-33.800N 082-40-59.500W				Red nun.	Private aid.
9500	- South Entrance Buoy 3	42-33-35.000N 082-40-56.000W				Green can.	Private aid.
9505	- Entrance Buoy 2	42-33-48.000N 082-40-44.000W				Red nun.	Private aid.
9510	- Entrance Buoy 1	42-33-49.000N 082-40-42.500W				Green can.	Private aid.
<b>ST. CLAIR RIVER (Chart 14852)</b>							
<i>Buoys maintained from Apr. 21 to Nov. 1.</i>							
9515	Middle Channel Buoy 13	42-34-28.155N 082-40-04.627W				Green can.	
9520	Middle Channel Buoy 14	42-35-05.761N 082-38-49.326W				Red nun.	
9525	Dickinson Island Junction Lighted Buoy	42-37-03.954N 082-35-01.398W	FI (2+1)R 6s		4	Red and green bands.	
<b>St. Clair Flats Old Channel</b>							
<i>Position of buoys frequently shifted with changing conditions. Buoys maintained from Apr. 21 to Nov. 1.</i>							
9530	- Lighted Buoy 2OC	42-31-36.158N 082-42-41.901W	FI R 4s		3	Red.	
9535	- Buoy 3	42-31-45.848N 082-42-39.902W				Green can.	
9540	- Buoy 4	42-31-58.958N 082-42-07.701W				Red nun.	
9545	- Buoy 6	42-32-10.958N 082-41-40.200W				Red nun.	
9550	- LIGHT	42-32-16.401N 082-41-35.856W	FI W 4s	28 9	6	Yellow tower on crib.	
9560	- Buoy 8	42-32-12.318N 082-41-27.310W				Red nun.	
9565	- Buoy 10	42-32-11.285N 082-41-17.411W				Red nun.	
<b>St. Clair Flats Canal</b>							
9570	- Buoy 1	42-31-11.507N 082-41-18.764W				Green can.	
9575	ST CLAIR FLATS DANGER LIGHT	42-31-06.712N 082-41-12.046W	FI (2)W 5s	28 9	8	NW on post marking submerged jetty worded DANGER ROCKS.	
9576	St. Clair Flats Lighted Danger Buoy A	42-31-10.987N 082-41-07.650W	Q W		4		"DANGER ROCKS" Maintained from 21 Apr to 01 Nov.
9577	St. Clair Flats Lighted Danger Buoy B	42-31-15.134N 082-41-03.653W	Q W		4		"DANGER ROCKS" Maintained from 21 Apr to 01 Nov.
9578	St. Clair Flats Lighted Danger Buoy C	42-31-19.108N 082-40-57.718W	Q W		4		"DANGER ROCKS" Maintained from 21 Apr to 01 Nov.
9580	- Buoy 5	42-31-37.819N 082-40-48.883W				Green can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE ST. CLAIR</b>							
<b>ST. CLAIR RIVER (Chart 14852)</b>							
<b>St. Clair Flats Canal</b>							
9585	- Lighted Buoy 4	42-31-17.076N 082-41-03.492W	FI R 2.5s		4	Red.	Maintained from Apr. 7 to Dec. 14.
9590	- Lighted Buoy 7	42-32-05.138N 082-40-14.477W	FI G 4s		4	Green.	Maintained from Apr. 7 to Dec. 14.
9595	OLD CLUB BREAKWATER LOWER LIGHT	42-32-21.000N 082-39-59.500W	F W	10 3		On pile cluster.	Private aid.
9600	OLD CLUB BREAKWATER UPPER LIGHT	42-32-28.100N 082-39-54.000W	F W	10 3		On pile cluster.	Private aid.
9605	MAYBURY HIGHWAY LIGHT 10 (C)	42-33-18.031N 082-38-18.026W	FI R 4s	24 7		White square tower with red top.	
<b>ST. CLAIR RIVER (Chart 14852)</b>							
<i>Buoys maintained from Apr. 21 to Nov. 1.</i>							
9630	ST. CLAIR FLATS LIGHT 13	42-33-28.231N 082-37-21.926W	F G	24 7	6	SG on post.	
9635	Schneider Marina Buoy 1	42-33-20.600N 082-36-59.600W				Green can.	Maintained from May 15 to Nov. 1. Private aid.
9640	Schneider Marina Buoy 2	42-33-20.000N 082-36-58.500W				Red barrel.	Maintained from May 15 to Nov. 1. Private aid.
9645	SOUTHEAST BEND LIGHT 16 (C)		FI R 4s	23 7		White square tower with red top.	
9650	HARSENS ISLAND LIGHT 17	42-33-01.790N 082-36-29.005W	FI G 4s	27 8	4	SG on pile.	
<b>ST. CLAIR RIVER</b>							
<b>ST. CLAIR RIVER (Chart 14852)</b>							
9655	HARSENS ISLAND RANGE FRONT LIGHT	42-34-20.653N 082-34-32.752W	F G	27 8		White cylindrical tower.	
9660	HARSENS ISLAND RANGE REAR LIGHT 524 feet, 023.5° from front light.	42-34-25.438N 082-34-29.969W	F G	38 12		White cylindrical tower.	Light visible 360°. Higher intensity on range line.
9665	South Channel Lighted Buoy 15	42-33-23.007N 082-35-09.338W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 1.
9670	South Channel Lighted Buoy 16	42-33-20.255N 082-35-01.990W	FI R 4s		4	Red.	Year round buoy unlighted from Dec. 21 to Apr. 1.
9675	South Channel Lighted Buoy 17	42-33-54.366N 082-34-55.089W	FI G 4s		4	Green.	
<b>South Channel</b>							
9680	LIGHT A20 (C)	42-33-48.031N 082-34-48.025W	Q R	33 10		White square tower with red stripes on corners.	
9685	Lighted Buoy A22 (C)	42-34-06.531N 082-34-29.225W	FI R 4s			Red.	Seasonal.
<b>ST. CLAIR RIVER (Chart 14852)</b>							
9690	GRANDE POINTE LIGHT 23	42-35-07.143N 082-33-23.571W	FI G 6s	28 9	7	SG on dolphin.	
<b>South Channel</b>							
9695	Lighted Buoy A24 (C)		FI R 4s			Red.	Seasonal.
9700	ST. CLAIR RIVER LIGHT A26 (C)	42-35-30.031N 082-32-42.025W	Q R	39 12		White circular tower with red top.	
<b>ST. CLAIR RIVER (Chart 14852)</b>							
9705	Grande Pointe Lighted Buoy 27	42-35-42.625N 082-32-43.528W	FI G 4s		4	Green.	Replaced by can from Dec. 21 to Apr. 1.
9710	Russell Island Lighted Buoy 29	42-36-20.355N 082-31-41.588W	FI G 4s		4	Green.	Year round lighted buoy.
<b>South Channel</b>							
9715	Walpole Island Lighted Buoy A30 (C)	42-36-12.031N 082-31-30.025W	FI R 4s			Red.	Seasonal.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. CLAIR RIVER</b>							
<b>ST. CLAIR RIVER (Chart 14852)</b>							
<b>South Channel</b>							
9720	<b>Walpole Island Light (C)</b>	42-36-18.031N 082-31-24.025W	F R	30 9	10	White circular tower with red top.	
<b>ST. CLAIR RIVER (Chart 14852)</b>							
9725	RUSSELL ISLAND LIGHT	42-36-20.819N 082-31-45.254W	F G	33 10		SG on post.	360 Degree F G
<b>South Channel</b>							
9730	<b>Walpole Island Lower Light A32 (C)</b>	42-36-42.031N 082-31-06.025W	Iso R 4s	18 5	12	White square tower with red top.	
<b>ST. CLAIR RIVER (Chart 14852)</b>							
9735	RUSSELL ISLAND LIGHT 33	42-36-48.704N 082-31-17.751W	FI G 2.5s	26 8	7	SG on post.	
<b>South Channel</b>							
9740	WALPOLE ISLAND FERRY BREAKWATER LIGHT (C)	42-36-54.031N 082-30-54.025W	FI R 4s	11 3		On pile dolphin.	
<b>ST. CLAIR RIVER (Chart 14852)</b>							
9745	<i>Russell Island Shoal Lighted Buoy R1</i>	42-37-20.384N 082-31-03.389W	FI (2+1)G 6s		4	Green and red bands.	Replaced by can from Dec. 21 to Apr. 1. AIS MMSI: 993672214
<b>South Channel</b>							
9750	WALPOLE ISLAND UPPER LIGHT A34 (C)	42-37-18.031N 082-30-42.025W	FI R 4s	23 7		White square tower with red top.	
<b>St. Clair River</b>							
9755	<i>Chenal Ecarte Shoal Lighted Buoy A36 (C)</i>	42-38-12.831N 082-30-35.425W	FI R 4s			Red.	Seasonal.
9760	CHENAL ECARTE RANGE FRONT LIGHT (C)	42-38-12.031N 082-30-06.025W	F R	17 5		Orange triangular daymark with black stripe on circular tower.	Visible on range line only. Seasonal.
9765	CHENAL ECARTE RANGE REAR LIGHT (C) 200 feet, 138.3° from front light.		F R	37 11		Orange triangular daymark with black stripe on circular tower.	Visible on range line only. Seasonal.
9770	WILLOW POINT LIGHT	42-38-38.555N 082-30-45.768W	F G	31 9	8	SG on post.	
9775	<i>Roberts Landing Lighted Buoy 37</i>	42-39-47.202N 082-30-48.252W	FI G 4s		4	Green.	Year round buoy unlighted from Dec. 21 to Apr 1.
9780	<i>Fawn Island Lighted Buoy 38</i> Marks south side of shoal.	42-40-55.952N 082-30-11.696W	FI R 4s		4	Red.	Replaced by nun from Dec. 21 to Apr. 1. AIS MMSI: 993672234
<b>Marine City</b>							
9785	- SALT DOCK LIGHT	42-41-16.765N 082-30-20.594W	F G	28 9	8	SG on post.	
9790	- <i>Shoal Lighted Buoy 40</i>	42-42-03.752N 082-29-44.898W	FI R 4s		4	Red.	Replaced by nun from Dec. 21 to Apr. 1. AIS MMSI: 993672235
<b>Marine City Channel</b> <i>Buoys maintained from Apr. 15 to Nov. 15.</i>							
9795	- Buoy 1	42-42-06.000N 082-30-03.200W				Green can.	Private aid.
9800	- Buoy 2	42-42-07.000N 082-30-01.000W				Red nun.	Private aid.
9805	- Buoy 3	42-42-07.000N 082-30-03.000W				Green can.	Private aid.
9810	- Buoy 4	42-42-08.000N 082-30-01.900W				Red nun.	Private aid.
9815	- Buoy 5	42-42-07.500N 082-30-03.600W				Green can.	Private aid.
9820	- Buoy 6	42-42-08.200N 082-30-02.500W				Red nun.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. CLAIR RIVER</b>							
<b>ST. CLAIR RIVER (Chart 14852)</b>							
<b>St. Clair River</b>							
9825	<i>Fawn Island Upper End Lighted Buoy 42</i>	42-43-12.251N 082-29-05.199W	Q R		4	Red.	Year round buoy unlighted from Dec. 21 to Apr. 1.
9833	<i>Lighted Buoy A 42/2 (C)</i>	42-44-05.031N 082-28-47.025W	FI R 4s			Red.	Seasonal.
9835	KESSEL POINT LIGHT (C)	42-45-06.031N 082-27-54.025W	F Y	30 9	8	Orange diamond daymark on white square skeleton mast.	
9840	RECORS POINT DOCK LOWER LIGHT	42-45-31.900N 082-28-20.700W	FI G 4s	30 9		On white post.	Private aid.
9845	<i>Recors Point Lighted Buoy A44 (C)</i>	42-45-41.331N 082-27-54.525W	FI R 4s			Red.	Seasonal.
9850	RECORS POINT DOCK UPPER LIGHT	42-45-53.200N 082-28-13.400W	Iso G 2s	30 9		On white post.	Private aid.
9855	BOWENS CREEK DIRECTIONAL LIGHT (C)	42-46-12.031N 082-27-48.026W	F Y	28 9		White circular tower with red top.	Higher intensity beam on on bearings 022° and 159°.
9860	HARTS LANDING LIGHT	42-47-02.781N 082-28-27.266W	FI G 6s	26 8	8	SG on dolphin.	
9865	<i>Harts Landing Lighted Buoy A46 (C)</i>	42-47-18.031N 082-28-18.026W	FI R 4s			Red.	Seasonal.
9870	COURTRIGHT LIGHT (C)	42-48-24.031N 082-28-42.026W	F Y	20 6	7	White skeleton tower on dolphin.	
9875	<i>St. Clair Middle Ground Lighted Buoy 48</i>	42-48-51.247N 082-28-51.511W	Q R		4	Red.	Replaced by nun from Dec. 21 to Apr. 1.
9880	<i>St. Clair Middle Ground Lighted Buoy 50</i>	42-49-25.246N 082-28-53.512W	FI R 4s		4	Red.	Replaced by nun from Dec. 21 to Apr. 1.
9885	<i>St. Clair Middle Ground Lighted Buoy 52</i>	42-49-40.046N 082-28-49.512W	Q R		4	Red.	Year round lighted buoy. AIS MMSI: 993672215
9890	MOORETOWN LIGHT (C)	42-50-24.031N 082-28-06.026W	FI Y 4s	30 9	8	White circular tower with red top.	
9895	<i>St. Clair Middle Ground Lighted Buoy A54 (C)</i>	42-50-30.031N 082-28-15.526W	Q R			Red.	Seasonal.
9900	<i>Stag Island Lower Lighted Buoy 55</i>	42-51-10.650N 082-28-17.113W	FI G 4s		4	Green.	Maintained from Apr. 1 to Dec. 21.
9905	<i>Stag Island Shoal Lower Junction Lighted Buoy AMB (C)</i>	42-51-23.031N 082-28-03.726W	FI (2+1) R 6s			Red with green band.	Seasonal.
9910	STAG ISLAND SHOAL LIGHT (C) Marks south side of shoal.	42-51-54.031N 082-28-00.026W	FI W 4s	22 7	4	White circular tower.	
9925	STAG ISLAND MIDDLE LIGHT	42-53-09.434N 082-28-30.986W	Oc G 4s	16 5	8	SG on skeleton tower.	Higher intensity beam upstream.
9930	<i>Stag Island Shoal Lighted Buoy 56</i>	42-52-20.140N 082-28-13.316W	FI R 4s		4	Red.	Replaced by nun from Dec. 21 to Apr. 1.
9935	<i>Stag Island Lighted Buoy 58</i>	42-53-19.943N 082-28-14.017W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 21 to Apr. 1. AIS MMSI: 993672216
9940	<i>Stag Island North Cardinal Lighted Buoy Am (C)</i>	42-54-19.831N 082-27-44.026W	Q W			Black and yellow.	Spar; winter marker. Seasonal.
9945	STAG ISLAND UPPER LIGHT	42-54-25.153N 082-27-57.678W	FI G 2.5s	26 8	6	SG on post.	Higher intensity beam up and downstream.
9950	<i>Lighted Buoy A60 (C)</i>	42-55-13.031N 082-27-23.026W	FI R 4s			Red.	Spar; winter marker. Seasonal.
9955	<i>Stag Island North End Lighted Buoy AM3 (C)</i>	42-53-42.031N 082-27-36.026W	FI G 4s			Green.	Spar; winter marker. Seasonal.
9965	BLACK RIVER ENTRANCE LIGHT 1	42-58-21.331N 082-25-09.626W	FI G 4s	29 9	3	SG on pile.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. CLAIR RIVER</b>							
<b>ST. CLAIR RIVER (Chart 14852)</b>							
<b>St. Clair River</b>							
9970	<i>Sarnia Breakwater Junction Lighted Buoy AHB (C)</i>		FI (2+1) R 6s			Red with green band.	Spar; winter marker. Seasonal.
9975	<i>Point Edward Lighted Buoy A66 (C)</i>	42-59-18.031N 082-25-18.026W	FI R 4s			Red.	Seasonal.
9980	<i>Point Edward Lighted Buoy A68 (C)</i>	42-59-36.031N 082-25-24.026W	Q R			Red.	Spar; winter marker. Seasonal.
9990	FORT GRATIOT RANGE FRONT LIGHT	42-59-36.186N 082-25-38.456W	F G	41 13		KRW with 12 foot vertical bar light on brown cylindrical tower.	Port Huron-Sarnia Bridge center span lights (Oc G) are on Fort Gratiot rangeline. Lighted throughout 24 hours.
9995	FORT GRATIOT RANGE FRONT PASSING LIGHT	42-59-36.186N 082-25-38.456W	F G	44 13	9	On same structure as Fort Gratiot Range Front Light.	
10000	FORT GRATIOT RANGE REAR LIGHT 460 feet, 207.6° from front light.	42-59-32.160N 082-25-41.326W	F G	52 16		KRW with 12 foot vertical bar light on brown octagonal tower.	Port Huron-Sarnia Bridge center span lights (Oc G) are on Fort Gratiot range line. Lighted throughout 24 hours.
<b>LAKE HURON</b>							
<b>LAKE HURON (Chart 14860)</b>							
10010	<i>NOAA Lighted Weather Buoy 45008</i>	44-17-00.032N 082-24-59.026W	FI (4)Y 20s			Yellow disc-shaped hull.	Maintained from May. 14 to Nov 14. Aid maintained by National Oceanic and Atmospheric Administration.
<b>PORT HURON TO PTE AUX BARQUES (Chart 14862)</b>							
10015	<b>Fort Gratiot Light</b>	43-00-22.627N 082-25-21.112W	FI G 6s		16	White conical brick tower.	Station will give available information on fog conditions in upper river by radiotelephone when requested, (156.80 MHz). Lighted throughout 24 hours.
10025	POINT EDWARD RANGE FRONT LIGHT (C)	43-00-12.031N 082-25-00.026W	F R	42 13		Orange triangular daymark with black vertical stripe on white circular tower with red band at top.	RACON: M ( - - ) Visible from all points of approach.
10030	POINT EDWARD RANGE REAR LIGHT (C) 2,140 feet, 180.4° from front light.		F R	120 37		Orange triangular daymark, with black vertical stripe mounted on International Bridge.	Visible on range line only.
<b>Lake Huron Cut</b>							
<i>Lighted buoys maintained from Apr. 1 to Dec. 21 unless otherwise noted.</i>							
10035	- <i>Lighted Buoy 1</i>	43-00-33.328N 082-25-04.199W	Q G		5	Green.	AIS MMSI: 993672236
10040	- <i>Lighted Buoy 2 (C)</i>	43-00-32.831N 082-24-53.626W	Q R			Red.	Spar; winter marker.
10045	- <i>Lighted Buoy 3</i>	43-01-47.147N 082-25-03.271W	FI G 4s		4	Green.	
10050	- <i>Lighted Buoy 4</i>	43-01-47.147N 082-24-52.790W	FI R 4s		4	Red.	
10055	- <i>Lighted Buoy 5</i>	43-02-40.467N 082-25-03.012W	FI G 4s		4	Green.	
10060	- <i>Lighted Buoy 6</i>	43-02-40.527N 082-24-52.281W	FI R 4s		4	Red.	
10065	- LIGHT 7	43-03-34.869N 082-25-04.007W	Q G	47 14	10	SG on cylindrical tower.	
10070	- <i>Lighted Buoy 8</i>	43-03-34.832N 082-24-51.236W	Q R		4	Red.	Replaced by nun from Dec. 21 to Apr. 1.
10075	- <i>Lighted Buoy 9</i>	43-04-26.176N 082-24-56.003W	FI G 4s		4	Green.	
10080	- <i>Lighted Buoy 10</i>	43-04-25.496N 082-24-45.183W	FI R 4s		4	Red.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>PORT HURON TO PTE AUX BARQUES (Chart 14862)</b>							
<b>Lake Huron Cut</b>							
<i>Lighted buoys maintained from Apr. 1 to Dec. 21 unless otherwise noted.</i>							
10085	- Lighted Buoy 11	43-05-28.435N 082-24-47.687W	FI G 4s		5	Green.	AIS MMSI: 993672217
10090	- Lighted Buoy 12	43-05-27.965N 082-24-37.153W	FI R 4s		5	Red.	AIS MMSI: 993672218
<b>LAKE HURON, CANADA</b>							
<b>PORT HURON TO PTE AUX BARQUES (Chart 14862)</b>							
<b>East Side</b>							
10093	GLWA Lakeport Weather Buoy 1	43-07-38.290N 082-23-29.190W	FI Y 4s				Maintained from May.1 to Nov.30. Private aid.
<b>LAKE HURON</b>							
<b>PORT HURON TO PTE AUX BARQUES (Chart 14862)</b>							
<b>Lexington Harbor</b>							
10095	- EAST BREAKWATER LIGHT 2	43-15-59.831N 082-31-22.256W	FI R 2.5s	29 9	5	TR on post.	
10100	- WEST BREAKWATER LIGHT 3	43-16-02.851N 082-31-24.776W	FI G 4s	25 8	4	SG on post.	
<b>Port Sanilac</b>							
10115	- Light	43-25-44.461N 082-32-24.736W	FI W 2.5s	69 21	14	White octagonal tower. 69	
10120	- NORTH BREAKWATER LIGHT 2	43-25-49.021N 082-32-05.326W	FI R 4s	35 11	7	TR on pile.	
10125	- SOUTH BREAKWATER LIGHT 3	43-25-51.731N 082-32-09.006W	FI G 4s	29 9	5	SG on pile.	
<b>Wagener County Park</b>							
<i>Buoys maintained from May 1 to Oct. 1.</i>							
10126	- Buoy 1	43-46-12.000N 082-36-54.000W				Green can.	Private aid.
10126.5	- Buoy 2	43-46-12.000N 082-36-54.000W				Red nun.	Private aid.
10127	- Buoy 3	43-46-12.000N 082-36-54.000W				Green can.	Private aid.
10127.5	- Buoy 4	43-46-12.000N 082-36-54.000W				Red nun.	Private aid.
10128	- Buoy 5	43-46-12.000N 082-36-54.000W				Green can.	Private aid.
10128.5	- Buoy 6	43-46-12.000N 082-36-54.000W				Red nun.	Private aid.
10129	White Rock Shoal Lighted Buoy 3	43-43-59.031N 082-35-19.026W	FI G 4s		4	Green.	Maintained from May 1 to Nov. 1.
<b>Harbor Beach</b>							
10130	- LIGHT "2"	43-50-44.228N 082-37-52.112W	FI R 6s	20 6	8	TR on navigation pole	HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
10133	- LIGHT	43-50-44.299N 082-37-53.102W	FI W 6s	54 16			Private aid.
10140	- South Pier Light 1	43-50-37.733N 082-37-51.996W	FI G 4s	27 8	11	SG on post.	
10145	- Buoy 3	43-50-38.777N 082-38-05.412W				Green can.	Maintained from 21 Apr to 01 Nov
10150	- Lighted Buoy 4	43-50-43.746N 082-37-54.375W	FI R 2.5s		4	Red nun.	Maintained from 21 Apr to 01 Nov
10155	- Buoy 5	43-51-00.402N 082-38-15.057W				Green can.	Maintained from 21 Apr to 01 Nov
10161	- Buoy 7	43-51-12.717N 082-38-27.734W				Green can.	Maintained 21 Apr. to 01 Nov.
10162	- Buoy 9	43-51-18.274N 082-38-37.262W				Green can.	Maintained 21 Apr. to 01 Nov

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>PORT HURON TO PTE AUX BARQUES (Chart 14862)</b>							
<b>Harbor Beach</b>							
<b>Offshore Marine</b>							
<i>Buoys maintained from Apr. 1 to Nov. 1.</i>							
10165	- Buoy 1	43-50-56.100N 082-38-36.800W				Green spar.	Private aid.
10170	- Buoy 2	43-50-59.000N 082-32-55.000W				Red spar.	Private aid.
10175	- Buoy 3	43-50-56.100N 082-38-39.800W				Green spar.	Private aid.
10180	- Buoy 4	43-50-56.100N 082-38-58.000W				Red spar.	Private aid.
10185	- Buoy 5	43-50-56.100N 082-38-42.200W				Green spar.	Private aid.
10190	- Buoy 6					Red spar.	Private aid.
<b>Stafford County Park</b>							
<i>Buoys maintained from May 1 to Oct. 1.</i>							
10202.1	- Buoy 1	43-56-36.000N 082-42-24.000W				Green can.	Private aid.
10202.2	- Buoy 2	43-56-36.000N 082-42-24.000W				Red nun.	Private aid.
10202.3	- Buoy 3	43-56-36.000N 082-42-24.000W				Green can.	Private aid.
10202.4	- Buoy 4	43-56-36.000N 082-42-24.000W				Red nun.	Private aid.
10202.5	- Buoy 5	43-56-36.000N 082-42-24.000W				Green can.	Private aid.
10202.6	- Buoy 6	43-56-36.000N 082-42-24.000W				Red nun.	Private aid.
<b>Harbor Beach</b>							
10205	<i>Point Aux Barques Lighted Buoy 1</i>	44-02-32.536N 082-45-19.714W	Fl G 4s		4	Green.	Maintained from Apr. 28 to Nov 14.
10210	<b>Point Aux Barques Light</b>	44-01-22.240N 082-47-35.755W	Fl (2)W 20s 0.2s fl 4.8s ec. 0.2s fl 14.8s ec.	93 28	16	White conical tower with dwelling attached. 93	
<b>Lighthouse County Park</b>							
<i>Buoys maintained from May 1 to Oct. 1.</i>							
10211	- Buoy 1	44-01-00.000N 082-47-12.000W				Green can.	Private aid.
10212	- Buoy 2	44-01-00.000N 082-47-12.000W				Red nun.	Private aid.
<b>SAGINAW BAY (Chart 14863)</b>							
<b>Grindstone Channel</b>							
<i>Entrance buoys maintained from Apr. 15 to Nov. 15.</i>							
10215	- Entrance Buoy 1	44-03-30.000N 082-53-30.000W				Green can.	Private aid.
10220	- Entrance Buoy 2	44-03-49.000N 082-53-46.000W				Red nun.	Private aid.
10225	- Entrance Buoy 3	44-03-42.000N 082-53-48.000W				Green can.	Private aid.
10230	- Entrance Buoy 4	44-03-42.000N 082-53-48.000W				Red nun.	Private aid.
10235	- Entrance Buoy 5	44-03-39.000N 082-53-50.000W				Green can.	Private aid.
10240	- Entrance Buoy 6	44-03-40.000N 082-53-51.000W				Red nun.	Private aid.
10245	- Entrance Buoy 7	44-03-39.000N 082-53-53.000W				Green can.	Private aid.
10250	- Entrance Buoy 8	44-03-38.000N 082-53-54.000W				Red nun.	Private aid.
10255	- Entrance Buoy 9	44-03-38.000N 082-53-56.000W				Green can.	Private aid.
10260	- Entrance Buoy 10	44-03-37.000N 082-53-58.000W				Red nun.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>SAGINAW BAY (Chart 14863)</b>							
<b>Grindstone Channel</b>							
<i>Entrance buoys maintained from Apr. 15 to Nov. 15.</i>							
10265	- Entrance Buoy 11	44-03-37.000N 082-53-59.000W				Green can.	Private aid.
10270	- Entrance Buoy 12	44-03-36.000N 082-53-59.000W				Red nun.	Private aid.
10271	- Entrance Buoy 13	44-03-22.200N 082-53-34.800W				Green can.	Private aid.
10272	- Entrance Buoy 14	44-03-22.800N 082-53-35.400W				Red nun.	Private aid.
10273	- Entrance Buoy 15	44-03-20.400N 082-53-37.200W				Green can.	Private aid.
10274	- Entrance Buoy 16	44-03-21.000N 082-53-37.800W				Red nun.	Private aid.
<b>Port Austin</b>							
<i>Buoys maintained from May 1 to Nov. 1.</i>							
10275	- REEF LIGHT	44-04-55.332N 082-58-56.642W	Fl W 6s	76 23	8	Buff square tower with house attached.	
<b>Bay Port Harbor</b>							
<i>Buoys maintained from Apr 21 to Nov 15.</i>							
10278	NOAA GLERL OB-26 North Saginaw Bay Water Quality Wave buoy	44-04-22.740N 083-03-37.464W	Fl Y 4s				Maintained from May.1 to Dec.1. Private aid.
<b>Port Austin</b>							
<i>Buoys maintained from May 1 to Nov. 1.</i>							
10280	- Shoal Buoy 1 Marks north side of shoal.	44-05-48.067N 082-59-35.209W				Green can.	Maintained from May 1 to Nov 14.
10285	- Buoy 3	44-03-33.761N 082-59-36.647W				Green can.	
10290	- BREAKWATER LIGHT 4	44-03-11.482N 082-59-36.927W	Fl R 2.5s	24 7	4	TR on pile.	
10295	- LIGHT 5	44-03-13.732N 082-59-37.027W	Fl G 2.5s	25 8	6	SG on post.	
10300	- Buoy 5A	44-03-09.458N 082-59-30.309W				Green can.	
10305	- Buoy 6	44-03-04.830N 082-59-38.580W				Red nun.	
10310	- Buoy 7	44-02-59.248N 082-59-36.544W				Green can.	
10315	- Channel Buoy 1	44-02-54.000N 082-59-40.000W				On black spar.	Maintained from Jun. 1 to Sep. 1. Private aid.
10320	- Channel Buoy 2	44-03-01.000N 082-59-40.000W				On red spar.	Maintained from Jun. 1 to Sep. 1 Private aid.
10325	- Channel Buoy 4	44-02-58.000N 082-59-43.000W				On red spar.	Maintained from Jun. 1 to Sep. 1. Private aid.
10330	- Channel Buoy 6	44-02-56.000N 082-59-43.000W				On red spar.	Maintained from Jun. 1 to Sep. 1 Private aid.
<b>Caseville Harbor</b>							
<i>Buoys maintained from May 1 to Nov. 1.</i>							
10345	- LIGHT 1	43-56-52.631N 083-17-09.827W	Fl G 2.5s	27 8	5	SG on post.	
10350	- RANGE FRONT LIGHT	43-56-43.100N 083-16-43.400W	F R	25 8		On red pile.	Maintained from Apr. 1 to Nov. 15. Private aid.
10355	- RANGE REAR LIGHT 330 feet, 113.5° from front light.	43-56-42.000N 083-16-39.900W	F R	30 9		On red pile.	Maintained from Apr. 1 to Nov. 15. Private aid.
10365	- Buoy 2	43-56-51.571N 083-17-10.587W				Red nun.	
10370	- Buoy 4	43-56-48.365N 083-16-59.775W				Red nun.	
10372	- Buoy 6	43-56-47.036N 083-16-55.408W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>SAGINAW BAY (Chart 14863)</b>							
<b>Caseville Harbor</b>							
<i>Buoys maintained from May 1 to Nov. 1.</i>							
10373	- LIGHT	43-56-36.500N 083-16-22.000W	Fl W 10s	65 20		Square white tower with red roofed cupola.	Private aid.
10375	Sand Point Midchannel Buoy S	43-55-54.991N 083-24-45.687W				Red and white stripes; spherical.	
10380	<i>Wildfowl Bay Channel Lighted Buoy 1</i>	43-52-42.000N 083-21-24.000W	Q G			Green.	Maintained from May 15 to Oct. 15. Private aid.
10385	<i>Wildfowl Bay Channel Lighted Buoy 2</i>	43-52-42.000N 083-21-24.200W	Q R			Red.	Maintained from May 15 to Oct. 15. Private aid.
<b>SAGINAW BAY (Chart 14863)</b>							
10390	<i>Sebewaing Harbor Channel Lighted Buoy 1</i>	43-45-08.905N 083-31-15.679W	Fl G 2.5s			Green.	Maintained from Apr. 21 to Nov. 15.
10395	<i>Sebewaing Harbor Channel Lighted Buoy 2</i>	43-45-07.585N 083-31-16.413W	Fl R 2.5s			Red.	Maintained from Apr. 21 to Nov. 15.
10400	<i>Sebewaing Channel Lighted Buoy 3</i>	43-44-58.573N 083-30-37.725W	Fl G 4s		4	Green	Maintained from Apr. 21 to Nov. 15.
10405	<i>Sebewaing Channel Lighted Buoy 4</i>	43-44-57.481N 083-30-38.913W	Fl R 4s		4	Red	Maintained from Apr. 21 to Nov. 15.
10410	<i>Sebewaing Channel Lighted Buoy 5</i>	43-44-48.277N 083-30-00.483W	Fl G 6s		4	Green	Maintained from Apr. 21 to Nov. 15.
10415	<i>Sebewaing Channel Lighted Buoy 6</i>	43-44-47.377N 083-30-01.155W	Fl R 6s		4	Red	Maintained from Apr. 21 to Nov. 15.
10420	<i>Sebewaing Channel Lighted Buoy 7</i>	43-44-37.243N 083-29-20.679W	Fl G 4s		4	Green	Maintained from Apr. 21 to Nov. 15.
10425	<i>Sebewaing Channel Lighted Buoy 8</i>	43-44-36.637N 083-29-21.231W	Fl R 4s		4	Red	Maintained from Apr. 21 to Nov. 15.
<b>Bay Port Harbor</b>							
<i>Buoys maintained from Apr 21 to Nov 15.</i>							
10430	GLERL SBWN	43-44-17.580N 083-38-22.620W	Fl Y 4s				Maintained from Apr. 1 to Nov. 15. Private aid.
<b>SAGINAW BAY (Chart 14863)</b>							
10470	SEBEWAING YACHT CLUB SOUTH LIGHT	43-44-12.000N 083-27-48.000W	F R	24 7		On pile.	Maintained from Mar. 15 to Oct. 15. Private aid.
10475	SEBEWAING YACHT CLUB NORTH LIGHT	43-44-23.000N 083-27-08.000W	F G	24 7		On pile.	Maintained from Mar. 15 to Oct. 15. Private aid.
10480	OAKHURST PARK MARINA RANGE FRONT LIGHT	43-37-45.100N 083-37-08.000W	F G	17 5		Orange triangle on post.	Maintained from May 1 to Oct. 31. Private aid.
10485	OAKHURST PARK MARINA RANGE REAR LIGHT	43-37-44.900N 083-37-07.800W	F G	37 11		Orange and white triangle on tower.	Maintained from May 1 to Oct. 31. Private aid.
<b>Bay Port Harbor</b>							
<i>Buoys maintained from Apr 21 to Nov 15.</i>							
10486	<i>Saginaw Bay NOAA Weather Wave Buoy 1</i>	43-43-12.640N 083-36-36.870W	Fl Y 2.5s				Maintained from May. 1 to Dec. 1. Private aid.
<b>Quanicasse River</b>							
<i>Buoys maintained from May 1 to Oct. 1.</i>							
10490	- Buoy 1	43-35-46.000N 083-40-32.400W				Green can.	Private aid.
10495	- Buoy 2	43-35-46.000N 083-40-32.400W				Red nun.	Private aid.
10500	- Buoy 3	43-35-41.000N 083-40-36.000W				Green can.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>SAGINAW BAY (Chart 14863)</b>							
<b>Quanicassee River</b>							
<i>Buoys maintained from May 1 to Oct. 1.</i>							
10505	- Buoy 4	43-35-41.000N 083-40-36.000W				Red nun.	Private aid.
10510	- Buoy 5	43-35-34.000N 083-40-40.000W				Green can.	Private aid.
10515	- Buoy 6	43-35-34.000N 083-40-40.000W				Red nun.	Private aid.
10520	- Buoy 7	43-35-22.000N 083-40-46.000W				Green can.	Private aid.
10525	- Buoy 8	43-35-22.000N 083-40-46.000W				Red nun.	Private aid.
<b>SAGINAW BAY (Chart 14863)</b>							
10530	<i>Charity Island Shoal Lighted Buoy 1</i>	44-06-30.187N 083-29-46.200W	Q G		5	Green	Maintained from Apr. 28 to Dec. 7. AIS MMSI: 993672219
10535	<i>Charity Island Shoal Lighted Buoy 3</i> Marks west side of shoal.	44-03-25.036N 083-30-43.861W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to Apr. 28. AIS MMSI: 993672220
10540	<b>Gravelly Shoal Light</b>	44-01-11.456N 083-32-18.246W	FI R 6s	75 23	10	White square tower on cylindrical base. 75	HORN: 1 blast ev 30s (3s bl). Operates continuously.
<b>SAGINAW RIVER (Chart 14867)</b>							
<b>Saginaw Bay Channel</b>							
10550	- RANGE FRONT LIGHT	43-38-54.355N 083-51-05.701W	F R (NIGHT) F R (DAY)	70 21 66 20		On skeleton tower.	Lighted throughout 24 hours.
10555	SAGINAW BAY RANGE FRONT PASSING LIGHT	43-38-54.355N 083-51-05.701W	F R	66 20	8	On same structure as Saginaw Bay Channel Range Front Light.	
10560	- RANGE REAR LIGHT 8,708 feet, 211.2° from front light.	43-37-40.789N 083-52-07.046W	F G	159 48		On skeleton tower.	Lighted throughout 24 hours.
10570	- <b>Light 1</b>	43-48-21.080N 083-43-07.854W	FI G 6s	50 15	10	White cylindrical tower with green band in middle. 50	
10575	- <i>Lighted Buoy 2</i>	43-48-23.158N 083-43-13.025W	FI R 2.5s		4	Red.	Year Round Lighted Ice Buoy
10590	- <i>Lighted Buoy 3</i>	43-46-52.020N 083-44-23.280W	FI G 4s		6	Green	Replaced by can from Dec. 01 to Apr. 21.
10595	- <i>Lighted Buoy 4</i>	43-46-53.763N 083-44-27.273W	FI R 4s		6	Red	Replaced by can from Dec. 01 to Apr. 21.
10600	- <i>Lighted Buoy 5</i>	43-45-22.814N 083-45-38.213W	FI G 4s		4	Green.	Replaced by can from Apr. 21 to Dec. 1. AIS MMSI: 993672221
10605	- <i>Lighted Buoy 6</i>	43-45-24.674N 083-45-42.591W	FI R 4s		4	Red.	Replaced by nun from Apr. 21 to Dec. 1. AIS MMSI: 993672222
10610	- <i>Lighted Buoy 7</i>	43-43-54.183N 083-46-51.978W	FI G 2.5s		6	Green	Replaced by can from Dec. 01 to Apr. 21.
10644	- LIGHT 8	43-43-56.385N 083-46-56.947W	FI R 2.5s	20 6	6	White cylindrical tower with red stripe in middle.	
10650	- V-AIS 9	43-42-59.840N 083-47-38.302W					AIS MMSI: 993682809
10655	- V-AIS 10	43-43-02.031N 083-47-42.228W					AIS MMSI: 993682794

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>SAGINAW RIVER (Chart 14867)</b>							
<b>Saginaw Bay Channel</b>							
10660	- Lighted Buoy 11	43-42-07.031N 083-48-22.328W	FI G 4s		6	Green.	Replaced by can from Dec. 07 to Apr. 21. AIS MMSI: 993672223
10665	- Lighted Buoy 12	43-42-08.731N 083-48-27.028W	FI R 4s		6	Red.	Replaced by nun from Dec. 07 to Apr. 21. AIS MMSI: 993672224
10670	- V-AIS 13	43-41-13.031N 083-49-07.528W					AIS MMSI: 993682783
10675	- V-AIS 14	43-41-15.031N 083-49-11.528W					AIS MMSI: 993682676
10680	- Lighted Buoy 15	43-40-22.006N 083-49-49.767W	FI G 4s		4	Green.	Replaced by can from Dec. 07 to Apr. 21.
10685	- Lighted Buoy 16	43-40-24.062N 083-49-53.874W	FI R 4s		4	Red.	Replaced by nun from Dec. 07 to Apr. 21.
10690	- OBSTRUCTION LIGHT A	43-40-16.200N 083-49-53.300W	Q W	21 6		On dolphin.	Maintained from Apr. 15 to Dec. 15. Maintained by ACOE. Private aid.
10695	- OBSTRUCTION LIGHT B	43-40-14.600N 083-49-54.600W	Q W	21 6		On dolphin.	Maintained from Apr. 15 to Dec. 15. Maintained by ACOE. Private aid.
10710	- Lighted Buoy 17	43-39-38.598N 083-50-26.013W	FI G 2.5s		4	Green.	Replaced by can from Dec. 01 to Apr. 21.
10715	- Lighted Buoy 18	43-39-40.389N 083-50-30.084W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 01 to Apr. 21.
10720	- Lighted Buoy 19	43-39-08.921N 083-50-50.778W	FI G 2.5s		4	Green.	Replaced by can from Dec. 01 to Apr. 21.
10725	- Lighted Buoy 20	43-39-09.321N 083-50-55.730W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 01 to Apr. 21.
10730	- LIGHT 22	43-39-02.055N 083-50-59.373W	Q R	23 7	6	TR on pile.	
10735	- Lighted Buoy 21	43-38-58.731N 083-50-54.482W	FI G 2.5s		4	Green.	Replaced by can from Dec. 01 to Apr. 21.
10740	- Lighted Buoy 24	43-38-46.178N 083-50-58.277W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 01 to Apr. 21.
10745	Bay City Yacht Club North Basin Buoy 1	43-38-36.960N 083-51-00.540W				Green can.	Maintained from May 1 to Oct. 15. Private aid.
10746	Bay City Yacht Club North Basin Buoy 2	43-38-37.320N 083-51-00.600W				Red nun.	Maintained from May 1 to Oct. 15. Private aid.
10747	Bay City Yacht Club North Basin Buoy 3	43-38-36.720N 083-51-02.340W				Green can.	Maintained from May 1 to Oct. 15. Private aid.
10748	Bay City Yacht Club North Basin Buoy 4	43-38-37.080N 083-51-02.400W				Red nun.	Maintained from May 1 to Oct. 15. Private aid.
10749	Bay City Yacht Club North Basin Buoy 5	43-38-36.480N 083-51-04.140W				Green can.	Maintained from May 1 to Oct. 15. Private aid.
10750	Bay City Yacht Club North Basin Buoy 6	43-38-36.840N 083-51-04.200W				Red nun.	Maintained from May 1 to Oct. 15. Private aid.
10751	Bay City Yacht Club South Basin Buoy 1	43-38-29.400N 083-51-00.180W				Green can.	Maintained from May 1 to Oct. 15. Private aid.
10752	Bay City Yacht Club South Basin Buoy 2	43-38-30.000N 083-51-00.540W				Red nun.	Maintained from May 1 to Oct. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>SAGINAW RIVER (Chart 14867)</b>							
<b>Saginaw Bay Channel</b>							
10753	Bay City Yacht Club South Basin Buoy 3	43-38-29.100N 083-51-01.080W				Green can.	Maintained from May 1 to Oct. 15. Private aid.
10754	Bay City Yacht Club South Basin Buoy 4	43-38-29.700N 083-51-01.440W				Red nun.	Maintained from May 1 to Oct. 15. Private aid.
<b>Saginaw River</b>							
<i>Lighted buoys maintained from Apr. 21 to Dec. 01.</i>							
10755	- Buoy 2	43-38-31.456N 083-50-55.687W				Red nun.	
10760	ESSEXVILLE RANGE FRONT LIGHT	43-37-21.743N 083-50-19.232W	F G	38 12		KRW on skeleton tower.	Visible 4° each side of range line.
10765	ESSEXVILLE RANGE REAR LIGHT 1,099 feet, 160.1° from front light.	43-37-11.533N 083-50-14.157W	F G	53 16		KRW on skeleton tower.	Visible 4° each side of range line.
10770	- Lighted Buoy 3	43-38-14.054N 083-50-44.068W	FI G 4s		4	Green.	Can; winter marker.
10775	- Lighted Buoy 4	43-38-13.378N 083-50-46.623W	FI R 4s		4	Red.	Nun; winter marker.
10780	- Buoy 5	43-37-53.178N 083-50-33.589W				Green can.	
10785	- Buoy 6	43-37-52.528N 083-50-36.057W				Red nun.	
10790	- Lighted Buoy 7	43-37-37.115N 083-50-25.553W	FI G 4s		4	Green.	Can; winter marker
10795	- Lighted Buoy 8	43-37-36.799N 083-50-28.288W	FI R 4s		4	Red.	Nun; winter marker
10800	- Lighted Buoy 10	43-37-21.691N 083-50-28.968W	FI R 4s		4	Red.	Nun; winter marker.
10805	- Buoy 12	43-37-09.767N 083-50-35.304W				Red.	Nun; winter marker.
10810	- Lighted Buoy 14	43-37-04.293N 083-50-41.859W	Q R		4	Red nun.	Maintained from 21 April to 01 Dec.
10815	- Buoy 16	43-36-59.913N 083-50-50.882W				Red.	Nun; winter marker.
10817	- Lighted Buoy 18	43-36-50.031N 083-51-13.828W	FI R 2.5s		4	Red nun.	Maintained from 21 April to 01 Dec.
10820	- Lighted Buoy 19	43-36-44.732N 083-51-38.958W	FI G 2.5s		4	Green can.	Maintained from 21 April to 01 Dec.
10825	- Buoy 20	43-36-47.537N 083-51-39.119W				Red nun.	
10830	- Buoy 21	43-36-43.799N 083-52-44.483W				Green can.	
10835	- Lighted Buoy 23	43-36-36.570N 083-53-03.981W	FI G 4s		4	Green.	Can; winter marker.
10840	- Buoy 25	43-36-26.489N 083-53-16.646W				Green can.	
10845	- Buoy 27	43-36-05.241N 083-53-29.097W				Green can.	
10850	- Lighted Buoy 28	43-35-20.769N 083-53-45.990W	FI R 4s		4	Red.	Nun; winter marker.
10855	- Buoy 30	43-34-17.413N 083-54-11.885W				Red nun.	
10860	- Lighted Buoy 31	43-34-04.687N 083-54-13.946W	FI G 4s		4	Green.	Can; winter marker.
10862	- Buoy 33	43-33-41.131N 083-54-16.558W				Green can.	
10865	- Buoy 35	43-33-12.991N 083-54-18.328W				Green.	
10870	- Buoy 37	43-33-04.525N 083-54-16.469W				Green can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>SAGINAW RIVER (Chart 14867)</b>							
<b>Saginaw River</b>							
<i>Lighted buoys maintained from Apr. 21 to Dec. 01.</i>							
10875	- Lighted Buoy 36	43-33-12.957N 083-54-21.662W	FI R 4s		4	Red.	Nun; winter marker.
10880	- Buoy 39	43-32-51.909N 083-54-12.849W				Green can.	
10885	- Buoy 40	43-32-52.062N 083-54-15.667W				Red nun.	
10890	- Buoy 41	43-32-41.316N 083-54-09.810W				Green can.	
10895	- Buoy 42	43-32-40.705N 083-54-12.409W				Red nun.	
10900	- Buoy 43	43-32-31.609N 083-54-03.840W				Green.	
10905	- Lighted Buoy 44	43-32-29.976N 083-54-05.811W	FI R 4s		4	Red.	Nun; winter marker.
10910	- Lighted Buoy 45	43-32-26.629N 083-53-54.621W	FI G 4s		4	Green.	Can; winter marker.
10915	- Buoy 46	43-32-24.027N 083-53-56.762W				Red nun.	
10925	- Buoy 47	43-32-20.610N 083-53-24.582W				Green can.	
10930	- Lighted Buoy 48	43-32-18.407N 083-53-26.875W	FI R 4s		4	Red.	Nun; winter marker.
10935	- Buoy 49	43-32-10.905N 083-53-10.729W				Green can.	
10940	- Lighted Buoy 50	43-32-09.668N 083-53-12.928W	FI R 4s		4	Red.	Nun; winter marker.
10945	- Buoy 52	43-31-56.465N 083-53-02.136W				Red nun.	
10950	- Buoy 53	43-31-53.709N 083-52-56.740W				Green can.	
10955	- Lighted Buoy 54	43-31-49.744N 083-53-01.079W	FI R 4s		4	Red.	Nun; winter marker.
10960	- Buoy 55	43-31-48.031N 083-52-58.528W				Green can.	
10965	- Buoy 56	43-31-27.467N 083-53-09.623W				Red nun.	
10970	- Lighted Buoy 57	43-31-28.031N 083-53-06.028W	FI G 4s		4	Green.	Can; winter marker.
10975	- Buoy 59	43-31-12.927N 083-53-03.012W				Green can.	
10980	- Buoy 60	43-31-12.415N 083-53-05.613W				Red nun.	
10985	- Buoy 61	43-30-56.842N 083-52-58.699W				Green can.	
10990	- Lighted Buoy 62	43-30-58.485N 083-53-01.901W	FI R 4s		4	Red.	Nun; winter marker.
10995	- Buoy 63	43-30-50.018N 083-53-00.296W				Green can.	
11000	- Buoy 64	43-30-50.622N 083-53-02.908W				Red nun.	
11005	- Buoy 65	43-30-38.031N 083-53-08.028W				Green can.	
11010	- Buoy 66	43-30-39.031N 083-53-11.028W				Red nun.	
11015	- Buoy 67	43-30-24.008N 083-53-17.441W				Green can.	
11020	- Lighted Buoy 68	43-30-25.120N 083-53-19.717W	FI R 4s		4	Red.	Nun; winter marker.
11035	- Buoy 69	43-30-05.831N 083-53-40.028W				Green can.	
11040	- Buoy 70	43-30-07.531N 083-53-42.028W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>SAGINAW RIVER (Chart 14867)</b>							
<b>Saginaw River</b>							
<i>Lighted buoys maintained from Apr. 21 to Dec. 01.</i>							
11045	- Lighted Buoy 71	43-29-48.229N 083-54-01.814W	FI G 4s		4	Green.	Can; winter marker.
11050	- Buoy 72	43-29-49.445N 083-54-03.963W				Red nun.	
11055	- Buoy 73	43-29-20.007N 083-54-27.589W				Green can.	
11060	- Buoy 74	43-29-22.637N 083-54-28.594W				Red nun.	
11065	- Buoy 76	43-28-32.409N 083-54-44.428W				Red nun.	
11070	- Buoy 78	43-28-18.934N 083-54-36.350W				Red nun.	
11075	- Lighted Buoy 80	43-28-13.821N 083-54-35.330W	FI R 4s		4	Red.	Nun; winter marker.
11080	- Buoy 82	43-27-44.185N 083-54-43.594W				Red nun.	
11082	- Lighted Buoy 84	43-27-30.231N 083-54-58.028W	FI R 2.5s		4		
11085	- Buoy 86	43-27-21.546N 083-55-21.802W				Red nun.	
11087	- Lighted Buoy 87	43-27-10.031N 083-55-48.028W	FI G 4s		4		
11090	- Buoy 88	43-27-00.932N 083-56-06.453W				Red nun.	
11095	- Buoy 89	43-26-43.974N 083-56-12.327W				Green can.	
<b>Pinconning Park</b>							
<i>Buoys maintained from May 1 to Oct. 1.</i>							
11111	- Buoy 1	43-50-51.000N 083-55-06.000W				Green.	Private aid.
11112	- Buoy 2	43-50-51.000N 083-55-06.000W				Red.	Private aid.
11113	- Buoy 3	43-50-51.000N 083-55-06.000W				Green.	Private aid.
11114	- Buoy 4	43-50-51.000N 083-55-06.000W				Red.	Private aid.
11115	- Buoy 5	43-50-51.000N 083-55-06.000W				Green.	Private aid.
11116	- Buoy 6	43-50-51.000N 083-55-06.000W				Red.	Private aid.
<b>SAGINAW BAY (Chart 14863)</b>							
<b>Au Gres Harbor</b>							
11140	Point Au Gres Obstruction Buoy	43-59-12.031N 083-40-36.028W				White with orange bands and diamond worded DANGER SUBMERGED OBSTRUCTION, can.	Maintained from May 1 to Nov. 1.
11145	- Entrance Buoy 1	44-01-01.531N 083-39-45.628W				Green can.	Maintained from May 1 to Nov. 1.
11150	- Entrance Buoy 2	44-01-04.951N 083-39-43.828W				Red nun.	Maintained from May 1 to Nov. 1.
11155	- NORTH PIER LIGHT 4	44-01-12.021N 083-40-00.028W	FI R 2.5s	26 8	6	TR on white cylindrical tower with red band.	
11160	- SOUTH PIER LIGHT 3	44-01-10.911N 083-40-03.408W	FI G 4s	30 9	7	SG on post.	
11170.1	U.S. GYPSUM TRAMWAY LIGHT A	44-11-19.000N 083-33-19.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11170.2	U.S. GYPSUM TRAMWAY LIGHT B	44-11-18.000N 083-33-09.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>SAGINAW BAY (Chart 14863)</b>							
<b>Au Gres Harbor</b>							
11170.3	U.S. GYPSUM TRAMWAY LIGHT C	44-11-16.000N 083-32-58.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11170.4	U.S. GYPSUM TRAMWAY LIGHT D	44-11-15.000N 083-32-49.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11170.5	U.S. GYPSUM TRAMWAY LIGHT E	44-11-14.000N 083-32-39.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11170.6	U.S. GYPSUM TRAMWAY LIGHT F	44-11-13.000N 083-32-29.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11170.7	U.S. GYPSUM TRAMWAY LIGHT G	44-11-11.000N 083-32-19.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11170.8	U.S. GYPSUM TRAMWAY LIGHT H	44-11-10.000N 083-32-09.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11170.9	U.S. GYPSUM TRAMWAY LIGHT I	44-11-09.000N 083-31-59.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11171	U.S. GYPSUM TRAMWAY LIGHT J	44-11-08.000N 083-37-56.000W	FI W 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11171.1	U.S. GYPSUM TRAMWAY LIGHT K	44-11-09.000N 083-31-56.000W	FI W 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11171.2	U.S. GYPSUM TRAMWAY LIGHT L	44-11-08.000N 083-31-54.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11171.3	U.S. GYPSUM TRAMWAY LIGHT M	44-11-09.000N 083-31-54.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11171.4	U.S. GYPSUM TRAMWAY LIGHT N	44-11-07.000N 083-31-51.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11171.5	U.S. GYPSUM TRAMWAY LIGHT O	44-11-09.000N 083-31-51.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
11171.6	U.S. GYPSUM TRAMWAY LIGHT P	44-11-24.000N 083-33-15.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
<b>Bay Port Harbor</b>							
<i>Buoys maintained from Apr 21 to Nov 15.</i>							
11171.7	U.S. GYPSUM TRAMWAY LIGHT Q	44-11-24.000N 083-31-54.000W	FI Y 4s				Maintained from Apr. 15 to Oct. 15. Private aid.
<b>Au Gres Harbor</b>							
11175	<i>Northport Marina Entrance Lighted Buoy 1</i>	44-02-43.800N 083-39-12.000W	FI G 2.5s			Green.	Maintained from May 1 to Oct. 31. Private aid.
11180	<i>Northport Marina Entrance Lighted Buoy 2</i>	44-02-45.600N 083-39-06.000W	FI R 2.5s			Red.	Maintained from May 1 to Oct. 31. Private aid.
<b>Bay Port Harbor</b>							
<i>Buoys maintained from Apr 21 to Nov 15.</i>							
11181	GLERL SBWR	43-59-00.000N 083-36-00.000W	FI Y 4s				Maintained from Apr. 1 to Nov. 15. Private aid.
<b>National Gypsum Company</b>							
<i>Aids maintained from Apr. 1 to Dec. 30.</i>							
11190	- RANGE FRONT LIGHT	44-14-15.500N 083-32-24.500W	F R	46 14		On post.	Light operated only for vessel arrivals and departures. Private aid.
11195	- RANGE REAR LIGHT 1,400 feet, 293.5° from front light.	44-14-21.200N 083-32-42.000W	F R	78 24		On post.	Light operated only for vessel arrivals and departures. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>SAGINAW BAY (Chart 14863)</b>							
<b>Tawas</b>							
11240	- Light	44-14-54.043N 083-27-32.975W	FI W 4s	46 14	11	Square skeleton tower. 46	HORN: 2 blasts ev 60s (3s bl-3s si-3s bl-51s si). Fog signal operates by keying VHF FM Marine Radio channel 83A five times.
11245	- Point Lighted Buoy 2	44-14-27.932N 083-28-15.361W	FI R 4s		4	Red.	Maintained from Apr. 28 to Dec. 1.
11250	- Harbor Lighted Buoy 4 Marks northwest side of shoal.	44-15-38.031N 083-27-59.128W	FI R 2.5s		4	Red.	Maintained from Apr. 28 to Dec. 1.
11255	- Harbor Lighted Buoy 6	44-15-54.031N 083-27-10.028W	FI R 4s		4	Red.	Maintained from 28 April to 01 November
11265	- BAY YACHT CLUB RANGE FRONT LIGHT	44-15-47.400N 083-26-59.000W	F R	8 2		Red square daymark on pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
11270	- BAY YACHT CLUB RANGE REAR LIGHT 150 feet, 165° from front light.	44-15-00.770N 083-26-00.554W	F R	12 4		Red square daymark on pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
11275	JERRY'S MARINA RANGE FRONT LIGHT	44-15-48.500N 083-26-27.000W	F G	12 4		On post.	Maintained from Apr. 1 to Nov. 1. Private aid.
11280	JERRY'S MARINA RANGE REAR LIGHT 400 feet, 128° from front light.		F G	20 6		On tree.	Maintained from Apr. 1 to Nov. 1. Private aid.
11285	- BAY HARBOR LIGHT 5	44-16-38.031N 083-29-10.028W	FI G 6s	25 8	7	SG on pile.	
11300	- RIVER RANGE FRONT LIGHT	44-15-34.500N 083-31-38.000W	F R	10 3		White diamond daymark on pile.	Maintained from Apr. 1 to Dec. 1. Private aid.
11305	- RIVER RANGE REAR LIGHT 130 feet, 326° from front light.		F R	18 5		White diamond daymark on pile.	Maintained from Apr. 1 to Dec. 1. Private aid.
11306	- BAY CONDO MARINA RANGE FRONT LIGHT		F Y	8 2		Circular orange daymark on pile.	Maintained from May 1 to Nov. 1. Private aid.
11307	- BAY CONDO MARINA RANGE REAR LIGHT 252 feet, 132° from front light.		F Y	15 5		Circular orange daymark on pile.	Maintained from May 1 to Nov. 1. Private aid.
11308.1	- Bay Condo Marina Buoy 1	44-15-23.000N 083-31-34.000W	FI G 4s				Maintained from May 1 to Nov. 1. Private aid.
11308.2	- Bay Condo Marina Buoy 2	44-15-24.000N 083-31-32.000W	FI R 4s				Maintained from May 1 to Nov. 1. Private aid.
11308.3	- BAY CONDO MARINA LIGHT 3		FI G 2.5s	11 3		SG on pole on south jetty.	Maintained from May 1 to Nov. 1. Private aid.
11308.4	- BAY CONDO MARINA LIGHT 4		FI R 2.5s	11 3		TR on pole on north jetty.	Maintained from May 1 to Nov. 1. Private aid.
<b>Au Sable</b>							
11310	- Point Lighted Buoy 1	44-18-59.592N 083-17-13.001W	FI G 6s		4	Green.	Maintained from Apr. 28 to Dec. 1.
11315	- SOUTH PIERHEAD LIGHT	44-24-21.932N 083-19-00.328W	FI G 4s	25 8	6	SG on white tower.	
11320	- NORTH PIERHEAD LIGHT	44-24-23.902N 083-18-59.408W	FI R 4s	25 8	7	TR on white tower.	HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>HARRISVILLE TO FORTY MILE POINT (Chart 14864)</b>							
<b>Harrisville</b>							
11323	- Entrance Buoy 2	44-39-46.274N 083-16-51.478W				Red nun	Maintained from May. 01 to Nov. 01.
11325	- EAST BREAKWATER LIGHT 3	44-39-41.032N 083-16-54.528W	FI G 2.5s	20 6	7	SG on post.	
11330	- WEST BREAKWATER LIGHT 4	44-39-38.832N 083-16-59.728W	FI R 4s	33 10	5	TR on column.	
11345	STURGEON POINT LIGHT	44-42-45.532N 083-16-21.028W	FI W 6s	69 21	9		
11345.1	W. H. Rounds Wreck Mooring Buoy	44-50-13.139N 083-16-56.340W					Private aid.
<b>Thunder Bay National Marine Sanctuary</b> <i>Buoys maintained May 1 through Oct 31.</i>							
11348	TBNMS Wreck Mooring Lighted Buoy	44-59-03.800N 083-15-11.000W	Q W			Mooring buoy.	"Montana (Bow)" Private aid.
<b>HARRISVILLE TO FORTY MILE POINT (Chart 14864)</b>							
11349	TBNMS Wreck Subsurface "Florida" Buoy Mooring buoy 40 FT below Surface	45-17-48.710N 083-16-58.771W					Maintained from May.1 to Oct.31. Private aid.
11350	TBNMS Wreck Subsurface "Audubon" Buoy Mooring buoy 40 FT below Surface	45-17-19.860N 083-20-21.048W					Maintained from May.1 to Oct.31. Private aid.
11350.1	TBNMS Wreck Mooring "Sprangler" Lighted Buoy 1	45-23-00.672N 083-26-06.900W	FI W 4s				Maintained from May.1 to Oct.31. Private aid.
11350.2	TBNMS Wreck Mooring "Etruria" Lighted Buoy 2	45-28-58.080N 083-28-30.118W	FI W 4s				Maintained from May.1 to Oct.31. Private aid.
11350.3	TBNMS Wreck Mooring "Merrick" Lighted Buoy 3	45-28-15.121N 083-26-45.359W	FI W 4s				Maintained from May.1 to Oct.31. Private aid.
11350.4	TBNMS Wreck Mooring "Choctaw" Lighted Buoy 4	45-32-03.267N 083-30-32.446W	FI W 4s				Maintained from May.1 to Oct.31. Private aid.
11350.5	TBNMS Wreck Mooring "Defiance" Lighted Buoy 5	45-14-03.480N 083-16-42.420W	FI W 4s				Maintained from May.1 to Oct.31. Private aid.
11350.6	TBNMS Wreck Mooring "Windiate" Lighted Buoy 6	45-19-33.557N 083-19-36.952W	FI W 4s				Maintained from May.1 to Oct.31. Private aid.
11350.7	TBNMS Wreck Mooring "Norman" Lighted Buoy 7	45-18-41.530N 083-16-44.601W	FI W 4s				Maintained from May.1 to Oct.31. Private aid.
11350.8	TBNMS Wreck Mooring "Northwestern" Lighted Buoy 8	45-26-53.099N 083-41-47.400W	FI W 4s				Maintained from May.1 to Oct.31. Private aid.
11350.9	TBNMS Wreck Mooring "Typo" Lighted Buoy 9	45-17-29.792N 083-18-56.934W	FI W 4s				Maintained from May.1 to Oct.31. Private aid.
11351	TBNMS Wreck Mooring "Ohio" Lighted Buoy 10	45-30-48.996N 083-30-12.816W	FI W 4s				Maintained from May.1 to Oct.31. Private aid.
<b>Harrisville</b>							
<b>Thunder Bay National Marine Sanctuary</b> <i>Buoys maintained May 1 through Oct 31.</i>							
11353	TBNMS Wreck Mooring Lighted Buoy	45-03-46.000N 083-23-34.000W	Q W			Mooring buoy.	"William P. Rend" Private aid.
<b>Alpena</b>							
11355	Thunder Bay Traffic Lighted Bell Buoy TB	44-58-41.080N 083-15-17.310W	Mo (A) W		4	Red and white stripes.	Maintained from Apr. 28 to Dec. 1. AIS MMSI: 993682098
11356	Haltiner Barge Boiler Wreck Mooring Buoy	45-02-08.279N 083-19-35.400W					Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>HARRISVILLE TO FORTY MILE POINT (Chart 14864)</b>							
11357	GLERL TBWA	44-59-16.860N 083-16-05.220W	Fl Y 4s				Maintained from Apr.1 to Nov.15. Private aid.
11358	GLERL TBWB	44-59-23.370N 083-16-16.020W	Fl Y 4s				Maintained from Apr.1 to Nov.15. Private aid.
<b>Alpena</b>							
11360	North Point Buoy 10	45-00-05.962N 083-14-56.518W				Red nun.	
11365	PARTRIDGE POINT MARINA LIGHT	45-01-06.000N 083-27-00.200W	Fl W 2.5s	20 6		White house.	Maintained from Apr. 1 to Nov. 1. Private aid.
11370	- Light	45-03-37.261N 083-25-23.050W	Fl R 6s	44 13	9	Red skeleton tower with upper part enclosed. 44	To operate the fog signal, key the microphone on channel 83A VHF marine radio five times. HORN: 1 blast ev 15s (2s bl).
11375	- SOUTH BREAKWATER LIGHT	45-03-35.032N 083-25-25.028W	Fl G 2.5s	29 9	5	White tower with green band.	
11380	CITY OF ALPENA HARBOR ENTRANCE LIGHT 1	45-03-37.800N 083-25-29.900W	Fl G 4s	15 5		SG on post.	Maintained from Apr. 1 to Dec. 1. Private aid.
11385	CITY OF ALPENA HARBOR ENTRANCE LIGHT 2	45-03-37.700N 083-25-29.600W	F R	15 5		TR on post.	Maintained from Apr. 1 to Dec. 1. Private aid.
<b>East Alpena Channel</b>							
11386	HOLCIM CHANNEL RANGE FRONT LIGHT	45-04-06.000N 083-24-32.000W	F R	76 23		Orange and white striped daymark on skeleton tower.	Private aid.
11387	HOLCIM CHANNEL RANGE REAR LIGHT L233 yards, 344° from front light.	45-04-14.000N 083-24-32.500W	F R	109 33		Orange and white stiped daymark on skeleton tower.	Private aid.
<b>HARRISVILLE TO FORTY MILE POINT (Chart 14864)</b>							
11388	East Alpena Channel Buoy 1	45-02-39.000N 083-23-48.000W				Green can.	Private aid.
<b>East Alpena Channel</b>							
11388.1	- Buoy 2	45-02-40.050N 083-23-47.000W				Red nun.	Private aid.
11388.3	- Buoy 4	45-02-45.000N 083-23-56.500W				Red nun.	Private aid.
11388.4	- Buoy 6	45-02-57.700N 083-24-01.500W				Red nun.	Private aid.
11388.5	- Buoy 7	45-03-14.300N 083-24-11.000W				Green can.	Private aid.
11388.6	- Buoy 8	45-03-14.800N 083-24-08.000W				Red nun.	Private aid.
11388.7	- Buoy 9	45-03-25.000N 083-24-14.600W				Green can.	Private aid.
11388.8	- Buoy 10	45-03-25.500N 083-24-12.200W				Red nun.	Private aid.
11388.9	- Buoy 11	45-03-35.500N 083-24-19.000W				Green can.	Private aid.
11389	- Buoy 12	45-03-36.000N 083-24-16.500W				Red nun.	Private aid.
11389.1	- Buoy 13	45-03-45.800N 083-24-23.000W				Green can.	Private aid.
11389.2	- Buoy 14	45-03-46.000N 083-24-20.900W				Red nun.	Private aid.
11389.3	- Buoy 15	45-03-53.400N 083-24-26.100W				Green can.	Private aid.
<b>Alpena</b>							
11390	- Junction Lighted Buoy A1	45-02-57.750N 083-24-04.958W	Fl (2+1)R 6s		4	Red with green band.	Replaced by nun from Dec. 1 to Apr. 28. AIS MMSI: 993672225
11395	- Channel Lighted Buoy 1	45-03-03.098N 083-24-22.186W	Fl G 2s		4	Green can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>HARRISVILLE TO FORTY MILE POINT (Chart 14864)</b>							
<b>Alpena</b>							
11400	- Channel Lighted Buoy 2	45-03-05.773N 083-24-20.723W	FI R 2.5s		4	Red nun.	
11405	- Channel Lighted Buoy 3	45-03-12.960N 083-24-43.290W	FI G 4s		4	Green can.	Year round buoy unlighted from Nov. 14 to May. 1.
11410	- Channel Lighted Buoy 4	45-03-15.324N 083-24-38.371W	FI R 4s		4	Red nun.	Year round buoy unlighted from Nov. 14 to May. 1.
11415	- Channel Lighted Buoy 5	45-03-23.715N 083-25-02.356W	FI G 4s		4	Green can.	
<b>Lafarge Corporation Channel</b>							
11420	- Junction Buoy TB	45-03-26.545N 083-25-00.169W				Red and green bands.	
11425	- RANGE FRONT LIGHT	45-04-02.100N 083-25-02.000W	F G	22 7		Orange and white striped daymark on gray skeleton tower.	Private aid.
11430	- RANGE REAR LIGHT 133 yards, 358° from front light.	45-04-06.400N 083-25-00.700W	F G	38 12		Orange and white striped daymark on gray skeleton tower.	Private aid.
<b>East Alpena Channel</b>							
<b>Thunder Bay National Marine Sanctuary</b>							
11456	TBNMS Wreck Mooring Lighted Buoy	45-02-35.800N 083-14-22.500W	Q W			Mooring buoy.	"New Orleans" Private aid.
<b>HARRISVILLE TO FORTY MILE POINT (Chart 14864)</b>							
11495	<b>Thunder Bay Island Light</b>	45-02-14.199N 083-11-39.353W	FI G 10s		63 19	Conical tower with dwelling attached. 63	
11500	STONYCROFT POINT LIGHT	45-06-24.000N 083-18-30.000W	Q W	30 9		TR on red skeleton tower.	Maintained from Mar. 15 to Nov. 15. Private aid.
11505	Nordmeer Wreck Lighted Buoy WR1 1,470 feet, 102° from last reported position of wreck.	45-08-08.592N 083-09-17.902W	Q G		4		RACON: N ( - . ) Maintained from Apr. 28 to Dec. 1. AIS MMSI: 993672237
11510	NOAA Lighted Weather Buoy 45003	45-21-01.516N 082-50-25.648W	FI (4)Y 20s			Yellow, disc-shaped hull.	Maintained from May 14 to Nov 14 Aid maintained by National Oceanic and Atmospheric Administration.
11515	<b>Middle Island Light</b>	45-11-35.502N 083-19-15.729W	FI W 10s	78 24	14	White conical tower with orange bands in middle with dwelling detached. 78	
11520	Middle Island Lighted Buoy 13	45-11-13.032N 083-18-10.028W	FI G 4s		5	Green.	Maintained from Apr. 28 to Dec. 1.
11525	ROCKPORT HARBOR CRIB LIGHT R	45-12-17.000N 083-22-54.000W	FI W 4s	12 4		NB on red skeleton tower on crib.	Maintained from Apr. 15 to Nov. 1. Private aid.
11530	STONEPORT LIGHT	45-17-48.214N 083-25-08.717W	AI WR 10s			White cylindrical structure.	Maintained from Apr. 1 to Dec. 31. Private aid.
11540	Stoneport Buoy 3	45-19-51.600N 083-25-53.400W				Green can.	Maintained from Apr. 1 to Dec. 1. Private aid.
11545	Stoneport Buoy 5	45-19-56.400N 083-25-57.400W				Green can.	Maintained from Apr. 1 to Dec. 1. Private aid.
<b>Presque Isle Harbor</b>							
11550	<b>Presque Isle Light</b>	45-21-23.391N 083-29-32.398W	FI W 15s	123 38	16	123	
11560	- Entrance Shoal Lighted Bell Buoy 2	45-20-21.259N 083-27-51.227W	FI R 4s		4	Red.	Maintained from Apr. 28 to Dec. 1.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>HARRISVILLE TO FORTY MILE POINT (Chart 14864)</b>							
<b>Presque Isle Harbor</b>							
11565	- RANGE FRONT LIGHT	45-20-16.499N 083-29-25.134W	F G	23 7		KRW on skeleton tower.	Visible 14° each side of range line.
11570	- RANGE REAR LIGHT 744 feet, 273.9° from front light.	45-20-17.014N 083-29-35.946W	F G	50 15		KRW on skeleton tower.	Visible 14° each side of range line.
<b>Presque Isle Harbor Marina</b> <i>Lights and buoys maintained from May 15 to Oct 1.</i>							
11574	<i>Presque Isle Harbor Marina Entrance Lighted Buoy 2</i>	45-20-18.130N 083-28-56.760W	Q R			Red.	Private aid.
11575	- <i>Entrance Lighted Buoy 3</i>	45-20-15.620N 083-29-05.640W	Q G			Green.	Private aid.
11580	- Entrance Buoy 4	45-20-19.600N 083-29-00.300W				Red nun.	Private aid.
11585	- Entrance Buoy 5	45-20-18.900N 083-29-07.900W				Green can.	Private aid.
11590	- Entrance Buoy 6	45-20-21.500N 083-29-04.500W				Red nun.	Private aid.
11595	- Entrance Buoy 7	45-20-21.800N 083-29-10.000W				Green can.	Private aid.
11595.5	- Entrance Buoy 8	45-20-22.800N 083-29-08.000W				Red nun.	Private aid.
11596	- Entrance Buoy 9	45-20-22.000N 083-29-12.000W				Green can.	Private aid.
11600	- ENTRANCE LIGHT 10	45-20-23.700N 083-29-08.500W	FI W 2.5s	26 8		TR on post.	HORN: 1 blast ev 20s (2s bl). Private aid.
11605	- ENTRANCE LIGHT 11	45-20-24.000N 083-29-11.000W	FI G 4s	26 8		SG on post.	Private aid.
<b>Calcite</b> <i>Aids maintained from May 1 to Dec. 1.</i>							
11610	- BREAKWATER LIGHT 2	45-25-02.300N 083-46-24.000W	Iso R 4s	49 15		TR on skeleton tower.	HORN: 1 blast ev 20s (2s bl). Private aid.
11630	- INCOMING RANGE FRONT LIGHT	45-24-37.200N 083-47-11.500W	F R	30 9		White diamond daymark on conveyor house.	Private aid.
11635	- INCOMING RANGE REAR LIGHT 500 feet, 236° from front light.	45-24-36.000N 083-47-14.100W	F R	110 34		On side of brick house.	Private aid.
11640	- OUTGOING RANGE FRONT LIGHT	45-24-38.200N 083-47-06.700W	F G	52 16		Two lights, 10 feet apart horizontal.	Private aid.
11645	- OUTGOING RANGE REAR LIGHT 160 feet, 236° from front light.	45-24-35.600N 083-47-12.700W	F G	78 24		Box on conveyor structure.	Private aid.
<b>Rogers City</b> <i>Buoys maintained from Jun. 1 to Oct. 1.</i>							
11660	- <i>Harbor Channel Lighted Buoy 1</i>	45-25-26.700N 083-48-27.800W	FI G 4s			Green.	Private aid.
11665	- <i>Harbor Channel Lighted Buoy 2</i>	45-25-27.200N 083-48-29.300W	FI R 4s			Red.	Private aid.
11670	- <i>Harbor Channel Lighted Buoy 3</i>	45-25-24.600N 083-48-29.200W	FI G 6s			Green.	Private aid.
11675	- <i>Harbor Channel Lighted Buoy 4</i>	45-25-25.100N 083-48-30.700W	FI R 6s			Red.	Private aid.
11680	- <i>Harbor Channel Lighted Buoy 5</i>	45-25-22.400N 083-48-30.600W	FI G 6s			Green.	Private aid.
11685	- <i>Harbor Channel Lighted Buoy 6</i>	45-25-22.900N 083-48-32.200W	FI R 6s			Red.	Private aid.
11690	- <i>Harbor Channel Lighted Buoy 7</i>	45-25-20.900N 083-48-31.700W	FI G 6s			Green.	Private aid.
11693	POLYCHROME LEADING LIGHT	45-25-12.000N 083-48-36.000W				68'	Red/Clear/Green Private aid.
11695	- HARBOR CHANNEL BREAKWATER LIGHT 8	45-25-22.500N 083-48-33.200W	FI R 2.5s	25 8		TR on pole.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE HURON</b>							
<b>HARRISVILLE TO FORTY MILE POINT (Chart 14864)</b>							
<b>Rogers City</b>							
<i>Buoys maintained from Jun. 1 to Oct. 1.</i>							
11700	- HARBOR CHANNEL BREAKWATER LIGHT 9	45-25-20.900N 083-48-35.000W	Fl G 2.5s	25 8		SG on pole.	Private aid.
11715	<b>Forty-Mile Point Light</b>	45-29-10.260N 083-54-49.092W	Iso W 6s	66 20	16	White square brick tower on dwelling. 66	
<b>STRAITS OF MACKINAC</b>							
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
11720	HAMMOND BAY HARBOR OF REFUGE EAST BREAKWATER LIGHT	45-35-37.489N 084-09-44.680W	Fl G 2.5s	25 8	5	SG on post.	
11725	HAMMOND BAY HARBOR OF REFUGE WEST BREAKWATER LIGHT	45-35-33.803N 084-09-44.529W	Fl R 4s	25 8	4	TR on post.	
11730	<b>Spectacle Reef Light</b> Marks west side of reef.	45-46-22.924N 084-08-16.832W	Fl R 5s	86 26	11	Gray conical tower on square concrete pier. 86	
11735	Raynolds Reef Buoy 1	45-46-32.478N 084-12-01.390W				Green can.	
11740	Raynolds Reef Buoy 2	45-46-29.877N 084-13-46.896W				Red nun.	
11745	<i>Cordwood Point Lighted Buoy 1</i> Marks north side of shoal.	45-40-51.873N 084-18-06.513W	Fl G 4s		4	Green.	Replaced by can from Dec. 7 to May. 01.
11750	POE REEF LIGHT	45-41-41.230N 084-21-43.628W	Iso W 2s	71 22	9	Square tower with white and black bands on concrete crib.	RACON: Z ( - - . . ) HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
11760	Poe Reef Buoy 2	45-41-30.374N 084-21-34.228W				Red nun.	
11765	<b>Fourteen Foot Shoal Light</b>	45-40-47.636N 084-26-03.814W	Oc W 4s	51 16	13	White conical tower, square structure on concrete crib. 51	HORN: 1 blast ev 15s (2s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
11770	Fourteen Foot Shoal Buoy 3	45-41-00.076N 084-26-14.948W				Green can.	
11775	BOIS BLANC TOWNSHIP DOCK LIGHT	45-43-36.000N 084-27-03.000W	Q G	17 5		On pile.	Maintained from May 1 to Dec. 1. Private aid.
<b>Cheboygan</b>							
11776	Leviathan Wreck Mooring Buoy	45-39-41.940N 084-26-05.760W					Private aid.
11777	<i>Genesee Chief Wreck Mooring Buoy</i>	45-39-44.220N 084-26-09.480W					Private aid.
11778	<i>Jenny Lynn Lighted Wreck Buoy 1</i>	45-39-12.632N 084-26-04.030W	Q G		3	Green.	Maintained from May 14 to Oct. 14.
11780	- <i>River Entrance Lighted Buoy 2</i>	45-39-57.863N 084-27-22.714W	Q R		4	Red.	Replaced by nun Dec. 07 to Apr. 28.
11785	- River Entrance Buoy 3	45-39-52.050N 084-27-23.759W				Green can.	
11790	- RIVER RANGE FRONT LIGHT	45-38-50.730N 084-28-22.059W	F R	48 15		KRW on building.	Visible 4° each side of range line. Lighted throughout 24 hours.
11795	- RIVER RANGE REAR LIGHT 1,119 feet, 212.7° from front light.	45-38-41.439N 084-28-30.568W	F R	83 25		KRW on skeleton tower.	Visible 4° each side of range line. Lighted throughout 24 hours.
11800	- <b>River Light 4</b>	45-39-28.155N 084-27-50.185W	Fl R 4s	25 8	10	TR on white cylindrical tower. 26	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>STRAITS OF MACKINAC</b>							
<b>MICHIGAN INLAND ROUTE (Chart 14886)</b>							
<b>Cheboygan River</b>							
11806	- Buoy 1	45-38-08.598N 084-28-49.968W					Maintained from May 15 to Oct 15.
11810	- Daybeacon 3	45-38-06.810N 084-28-54.386W				SG on pile.	
11815	- Daybeacon 5	45-36-16.999N 084-27-52.323W				SG on pile.	
11820	- Daybeacon 6	45-36-06.784N 084-27-52.028W				TR on pile.	
11825	- Daybeacon 7	45-35-59.030N 084-27-51.761W				SG on pile.	
11830	- Daybeacon 9	45-35-55.904N 084-27-53.861W				SG on pile.	
11835	- Daybeacon 11	45-35-50.048N 084-28-02.124W				SG on pile.	
11840	- Daybeacon 12	45-35-50.450N 084-28-03.083W				TR on pile.	
11845	- Daybeacon 13	45-35-42.861N 084-28-06.070W				SG on pile.	
11850	- Daybeacon 14	45-35-43.314N 084-28-06.747W				TR on pile.	
11855	- Daybeacon 15	45-35-41.413N 084-28-14.889W				SG on pile.	
11860	- Daybeacon 16	45-35-42.220N 084-28-15.132W				TR on pile.	
11865	- Daybeacon 17	45-35-43.104N 084-28-21.107W				SG on pile.	
11875	- Daybeacon 19	45-35-08.881N 084-29-00.067W				SG on pile.	
11880	- Daybeacon 20	45-35-07.387N 084-29-00.615W				TR on pile.	
11885	- Daybeacon 21	45-35-03.626N 084-29-04.360W				SG on pile.	
<b>Mullett Lake</b>							
11890	- LIGHT 21A	45-34-34.100N 084-29-17.579W	FI G 4s	24 7	4	SG on pole.	
11895	- LIGHT 23	45-34-29.176N 084-29-19.960W	FI G 6s	16 5	3	SG on dolphin.	
11900	- <i>Lighted Buoy 24</i>	45-33-04.796N 084-30-27.408W	FI R 4s		3	Red.	Maintained from May 15 to Oct. 15.
11905	ALOHA STATE PARK NORTH JETTY LIGHT	45-31-05.000N 084-28-05.000W	FI G 2.5s	16 5		On pile.	Maintained from May 1 to Dec. 1. Private aid.
11910	ALOHA STATE PARK SOUTH JETTY LIGHT	45-31-03.000N 084-28-04.000W	FI R 2.5s	16 5		On pile.	Maintained from May 1 to Dec. 1. Private aid.
11915	- <i>Lighted Buoy 24A</i>	45-27-08.216N 084-34-31.350W	FI R 4s		3	Red.	Maintained from May 15 to Oct. 15.
<b>Indian River</b>							
11920	- Buoy 25	45-26-56.939N 084-34-42.949W				Green can	Maintained from May 14 to Oct. 14.
11925	- Daybeacon 27	45-26-51.119N 084-34-51.062W				SG on pile.	
11930	- Daybeacon 27A	45-26-48.562N 084-34-50.284W				SG on pile.	
11935	- Daybeacon 28	45-26-51.799N 084-34-51.849W				TR on pile.	
11940	- Daybeacon 29	45-26-46.203N 084-34-50.465W				SG on pile.	
11945	- Daybeacon 30	45-26-41.748N 084-35-02.671W				TR on pile.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>STRAITS OF MACKINAC</b>							
<b>MICHIGAN INLAND ROUTE (Chart 14886)</b>							
<b>Indian River</b>							
11950	- Daybeacon 31	45-26-38.482N 084-35-02.514W				SG on pile.	
11955	- Daybeacon 32	45-26-38.319N 084-35-03.135W				TR on pile.	
11960	- Daybeacon 34	45-26-34.955N 084-34-59.803W				TR on pile.	
11965	- Daybeacon 35	45-26-33.562N 084-34-54.319W				SG on pile.	
11970	- Daybeacon 37	45-26-31.137N 084-34-51.050W				SG on pile.	
11975	- Daybeacon 39	45-26-23.795N 084-34-55.256W				SG on pile.	
11976	- Daybeacon 39A	45-26-23.205N 084-34-59.897W				SG on pile.	
11980	- Daybeacon 40	45-26-26.270N 084-35-07.815W				TR on pile.	
11985	- Daybeacon 41	45-26-25.279N 084-35-08.978W				SG on pile.	
11990	- Daybeacon 42	45-26-24.857N 084-35-10.376W				TR on pile.	
11995	- Daybeacon 43	45-26-16.292N 084-35-09.164W				SG on pile.	
12000	- Daybeacon 44	45-26-14.835N 084-35-11.531W				TR on pile.	
12005	- Daybeacon 45	45-26-12.892N 084-35-13.362W				SG on pile.	
12010	- Daybeacon 46	45-26-12.988N 084-35-24.725W				TR on pile.	
12015	- Daybeacon 47	45-26-12.230N 084-35-24.447W				SG on pile.	
12020	- Daybeacon 48	45-26-11.614N 084-35-27.626W				TR on pile.	
12025	- Daybeacon 50	45-26-09.290N 084-35-26.171W				TR on pile.	
12030	- Daybeacon 52	45-26-07.229N 084-35-20.408W				TR on pile.	
12035	- Daybeacon 53	45-26-05.924N 084-35-19.753W				SG on pile.	
12040	- Daybeacon 54	45-26-03.103N 084-35-29.336W				TR on pile.	
12045	- Daybeacon 55	45-25-57.907N 084-35-29.929W				SG on pile.	
12050	- Daybeacon 57	45-25-54.934N 084-35-31.855W				SG on pile.	
12055	- Daybeacon 58	45-25-50.992N 084-35-46.533W				TR on pile.	
12060	- Daybeacon 60	45-25-42.104N 084-35-59.124W				TR on pile.	
12065	- Daybeacon 61	45-25-35.275N 084-36-00.998W				SG on pile.	
12070	- Daybeacon 62	45-25-33.683N 084-36-06.417W				TR on pile.	
12075	- Daybeacon 63	45-25-24.059N 084-36-06.431W				SG on pile.	
12080	- Daybeacon 66	45-25-17.261N 084-36-14.830W				TR on pile.	
12085	- Daybeacon 67	45-25-04.778N 084-36-15.096W				SG on pile.	
12090	- Daybeacon 68	45-25-02.135N 084-36-21.628W				TR on pile.	
<b>Burt Lake</b>							
12095	- LIGHT 70	45-24-37.032N 084-37-27.030W	FIR 4s	15 5	4	TR on pile.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>STRAITS OF MACKINAC</b>							
<b>MICHIGAN INLAND ROUTE (Chart 14886)</b>							
<b>Burt Lake</b>							
12100	- Obstruction Buoy	45-24-10.784N 084-38-14.064W				White with orange bands.	Maintained from May 15 to Oct. 15. Worded: SUBMERGED OBJECT.
12105	- LIGHT 71	45-28-16.329N 084-43-22.234W	FI G 4s	15 5	4	SG on pile.	
<b>MICHIGAN INLAND ROUTE (Chart 14886)</b>							
12110	Crooked River Daybeacon 73	45-28-13.637N 084-43-38.988W				SG on pile.	
12115	Crooked River Daybeacon 75	45-28-16.529N 084-43-56.346W				SG on pile.	
<b>Crooked Lake</b>							
<i>Buoys maintained from May 7 to Nov. 1.</i>							
12120	- LIGHT 77	45-25-50.214N 084-47-17.185W	FI G 4s	15 5	3	SG on pile.	
12125	- Daybeacon 79	45-25-25.658N 084-47-29.093W				SG on pile.	
12130	- Daybeacon 80	45-25-26.433N 084-47-30.051W				TR on pile.	
12135	PICKEREL CHANNEL ENTRANCE LIGHT 2	45-24-57.176N 084-47-42.860W	FI R 4s	15 5	3	TR on pile.	
12140	- Daybeacon 81	45-25-05.794N 084-48-07.724W					
12145	- Buoy 82	45-25-06.506N 084-48-08.129W					Maintained from May 15 to Oct 15
12150	- Daybeacon 83	45-25-08.646N 084-48-31.443W				SG on pile.	
12155	- Daybeacon 84	45-25-09.134N 084-48-31.350W				TR on pile.	
12160	- Daybeacon 85	45-25-09.900N 084-48-48.854W				SG on pile.	
12165	- Daybeacon 86	45-25-10.538N 084-48-48.714W				TR on pile.	
12170	- Daybeacon 87	45-25-11.637N 084-49-05.636W				SG on pile.	
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
12175	Cheboygan Buoy 5	45-41-15.109N 084-27-22.649W				Green can.	
12180	Cheboygan Traffic V-AIS	45-42-14.542N 084-28-18.272W	Mo (A) W (NIGHT)  (DAY)		4		Vessels are requested to leave buoy on port hand in passing. AIS MMSI: 993682099
12182	<i>St. Andrew Wreck Mooring Buoy</i>	45-42-03.000N 084-31-48.660W					Private aid.
12185	Zela Shoal Buoy 6 Marks west side of shoal.	45-46-29.578N 084-33-54.681W				Red nun.	
<b>LAKE MICHIGAN</b>							
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
<b>V AIS</b>							
12191	EAST BREAKWATER LIGHT 1	45-46-44.200N 084-34-13.700W	FI G 2.5s				Maintained from May 1 to Oct. 15. Private aid.
12192	WEST BREAKWATER LIGHT 2	45-46-43.300N 084-43-10.000W	FI R 2.5s				Maintained from May 1 to Oct. 15. Private aid.
<b>STRAITS OF MACKINAC</b>							
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
12195	MACKINAW CITY HARBOR ENTRANCE LIGHT 1	45-46-53.132N 084-43-12.530W	FI G 2.5s	25 8	5	SG on pile.	
12200	MACKINAW CITY HARBOR ENTRANCE LIGHT 2	45-46-51.404N 084-43-16.692W	FI R 4s	25 8	4	TR on pile.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>STRAITS OF MACKINAC</b>							
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
12201	<i>Straits State Harbor Lighted Buoy A</i>	45-46-43.980N 084-43-07.386W	Q R				Private aid.
<b>LAKE MICHIGAN</b>							
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
VAIS							
12201.1	<i>Straits State Harbor Lighted Buoy B</i>	45-46-42.200N 084-43-07.000W	Q G				Maintained from May. 1 to Oct. 1. Private aid.
<b>STRAITS OF MACKINAC</b>							
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
<b>North End of Lake Huron</b>							
12205	<b>Martin Reef Light</b> Marks south side of reef.	45-54-47.324N 084-08-54.980W	FI R 10s	65 20	12	White square tower on concrete crib. 65	HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
12210	<i>Pomeroy Reef Lighted Gong Buoy 2PR</i> Marks west side of Pomeroy Reef.	45-55-27.532N 084-12-32.854W	FI R 4s		4	Red.	Maintained from May 1 to Dec 01.
12215	Tobin Reef Buoy 1 Marks northwest side of reef.	45-56-29.754N 084-12-16.689W				Green can.	
<b>LES CHENEAUX ISLANDS</b>							
12220	<b>Crow Island Leading Light</b>	45-58-06.032N 084-14-24.030W	Iso W 6s	31 9	11	Black rectangular daymark on gray tower. 32	
12222	<i>Les Cheneaux Island Lighted Buoy 2</i>	45-56-29.932N 084-13-14.030W	FI R 6s		4	Red.	Replaced by nun from Dec. 1 to May 1.
12225	<i>Les Cheneaux Island Lighted Buoy 3</i>	45-56-54.732N 084-14-27.830W	FI G 6s		4	Green.	Replaced by can from Dec. 1 to May 1.
12230	<i>Les Cheneaux Island Lighted Buoy 4</i>	45-57-25.732N 084-13-49.030W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 1 to May 1.
12235	<i>Les Cheneaux Island Lighted Buoy 5</i>	45-57-36.032N 084-14-23.030W	FI G 2.5s		4	Green.	Replaced by can from Dec. 1 to May 1.
12240	<i>Port Dolomite Lighted Buoy 7</i>	45-58-50.708N 084-16-26.043W	FI G 4s		4	Green.	Replaced by can from Dec. 1 to May 1.
12243	Port Dolomite Buoy 9	45-58-54.332N 084-16-59.530W				Green can.	
12245	MCKAY BAY RANGE FRONT LIGHT	45-59-57.000N 084-16-28.000W	F R	23 7		NR on white structure.	Maintained from Apr. 1 to Dec. 1. Private aid.
12250	MCKAY BAY RANGE REAR LIGHT 600 feet, 309° from front light.	45-59-05.000N 084-16-00.000W	F R	58 18		NR on white structure.	Maintained from Apr. 1 to Dec. 1. Private aid.
12260	<i>Penny Island Point Lighted Buoy 1</i> Marks shoal.	45-56-52.797N 084-17-06.322W	FI G 4s		4	Green.	Maintained from May 14 to Oct. 21.
12263	<i>NOAA GLOS Les Cheneaux Wave Buoy 1</i>	45-55-10.980N 084-20-12.900W	FI Y 2.5s				Maintained from May.1 to Dec.1. Private aid.
12265	Scammons Harbor Buoy 3	45-57-35.279N 084-17-40.989W				Green can.	Maintained from May 14 to Oct. 21.
12270	<i>Scammons Harbor Lighted Buoy 4</i>	45-57-56.996N 084-17-58.215W	FI R 2.5s		4	Red.	Maintained from May 14 to Oct. 21.
12275	ISLE ISIDORE LIGHT	45-58-12.000N 084-18-18.000W	FI W 4s	15 5		White triangular tower.	Maintained from Jul. to Sep. Private aid.
<b>Cedarville East Channel</b>							
<i>Buoys maintained from May 14 to Oct. 21.</i>							
12280	- Buoy 5	45-58-52.572N 084-19-38.967W				Green can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>STRAITS OF MACKINAC</b>							
<b>LES CHENEAUX ISLANDS</b>							
<b>Cedarville East Channel</b>							
<i>Buoys maintained from May 14 to Oct. 21.</i>							
12285	- Buoy 6	45-59-16.536N 084-20-00.145W				Red nun.	
12290	- Lighted Buoy 7	45-59-15.946N 084-20-01.601W	FI G 4s		3	Green	
12295	- Buoy 8	45-59-30.530N 084-20-22.147W				Red nun.	
12300	- Buoy 9	45-59-29.788N 084-20-22.999W				Green can.	
12305	- Lighted Buoy 10	45-59-40.019N 084-20-45.275W	Q R		3	Red.	
12310	- Buoy 11	45-59-37.890N 084-20-46.044W				Green can.	
12315	- Buoy 12	45-59-38.137N 084-21-00.492W				Red nun.	
12320	- Buoy 13	45-59-36.942N 084-21-00.547W				Green can.	
<b>Les Cheneaux Islands Middle Entrance</b>							
<i>Buoys maintained from May 14 to Oct. 21.</i>							
12325	- Buoy 1 Marks southeast side of shoal.	45-56-57.694N 084-20-14.126W				Green can.	Maintained year round.
12330	- Buoy 3	45-57-04.229N 084-20-34.505W				Green can.	Maintained year round.
12335	- Buoy 4	45-57-25.648N 084-21-13.200W				Red nun.	
12340	- Lighted Buoy 5	45-57-24.832N 084-21-14.330W	FI G 2.5s		3	Green.	
12345	- Buoy 7	45-57-28.701N 084-21-21.228W				Green can.	
12350	- Buoy 8	45-57-40.017N 084-21-32.133W				Red nun.	
12355	- Lighted Buoy 10	45-57-50.350N 084-21-45.910W	Q R		3	Red.	
12360	Goose Island Buoy 1	45-54-09.924N 084-25-10.895W				Green can.	Maintained year round.
12365	Goose Island Shoal Buoy 1	45-53-39.878N 084-28-45.291W				Green can.	Maintained year round.
12370	Goose Island Shoal Lighted Buoy 2 Marks northwest side of shoal.	45-54-10.348N 084-29-45.650W	FI R 4s		4	Red.	Replaced by nun from Oct. 21 to May 14.
<b>Les Cheneaux Islands West Entrance</b>							
<i>Buoys maintained from May 14 to Oct. 21.</i>							
12375	- Lighted Buoy 1 Marks shoal.	45-57-51.765N 084-27-04.958W	FI G 4s		4	Green.	
12380	- Lighted Buoy 2 Marks northwest side of shoal.	45-58-59.689N 084-27-10.178W	FI R 4s		4	Red.	
12385	- Lighted Buoy 3 Marks shoal.	45-59-39.103N 084-26-42.161W	FI G 4s		4	Green.	
12390	- Lighted Buoy 4 Marks west side of shoal.	45-59-57.520N 084-26-23.668W	FI R 4s		4	Red.	
12395	- Buoy 5	46-00-12.682N 084-26-10.300W				Green can.	
12400	- Buoy 6	45-59-57.872N 084-25-53.051W				Red nun.	
12405	- Buoy 8	45-59-46.191N 084-25-36.596W				Red nun.	
<b>Mackinac Bay Passage</b>							
12410	- Lighted Buoy 10	45-59-19.634N 084-24-09.029W	FI R 2.5s		3	Red.	
12415	- Buoy 11	45-59-21.515N 084-24-13.342W				Green can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>STRAITS OF MACKINAC</b>							
<b>LES CHENEAUX ISLANDS</b>							
<b>Mackinac Bay Passage</b>							
12420	- Buoy 12	45-59-32.378N 084-24-02.932W				Red nun.	
12425	- Buoy 13	45-59-35.119N 084-24-04.839W				Green can.	
12430	- Buoy 14	45-59-33.738N 084-23-58.702W				Red nun.	
12435	- Buoy 15	45-59-35.306N 084-23-58.164W				Green can.	
12440	- Buoy 16	45-59-21.873N 084-23-32.607W				Red nun.	
12441	- Buoy 16A	45-59-20.492N 084-23-22.170W				Red nun.	
12445	- Buoy 17	45-59-23.260N 084-23-30.190W				Green can.	
12450	- Buoy 18	45-59-17.658N 084-23-13.682W				Red nun.	
12455	- Buoy 19	45-59-18.340N 084-23-11.176W				Green can.	
12460	- Buoy 20	45-59-05.587N 084-22-58.685W				Red nun.	
12465	- Buoy 21	45-59-05.999N 084-22-57.092W				Green can.	
12470	- Buoy 22	45-58-53.859N 084-22-44.731W				Red nun.	
12475	- Buoy 23	45-58-52.692N 084-22-39.649W				Green can.	
<b>Muscallonge Bay</b>							
<i>Buoys maintained from May 14 to Oct. 21.</i>							
12480	- Buoy 24	45-58-35.553N 084-22-12.209W				Red nun.	
12485	- Buoy 25	45-58-36.748N 084-22-11.522W				Green can.	
12490	- Buoy 26	45-58-27.039N 084-21-56.909W				Red nun.	
12495	- Buoy 27	45-58-10.381N 084-21-14.444W				Green can.	
12500	- Lighted Buoy 29	45-58-09.998N 084-20-55.135W	FI G 4s		3	Green.	
<b>Cedarville West Channel</b>							
<i>Buoys maintained from May 14 to Oct. 21.</i>							
12505	- Buoy 30	45-58-49.947N 084-20-50.136W				Red nun.	
12510	- Lighted Buoy 31	45-58-50.991N 084-20-54.393W	FI G 4s		3	Green.	
12515	- Buoy 32	45-59-16.315N 084-21-21.230W				Red nun.	
12520	- Lighted Buoy 33	45-59-17.221N 084-21-24.334W	Q G		3	Green.	
12525	- Buoy 34	45-59-29.004N 084-21-24.389W				Red nun.	
12530	- Buoy 35	45-59-30.460N 084-21-26.229W				Green can.	
12532	<i>Ailes Point Lighted Danger Buoy</i>	45-59-34.164N 084-21-17.612W	FI W 2.5s		4	White with orange bands.	"DANGER ROCKS"
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
12535	BOIS BLANC LIGHT	45-48-40.787N 084-25-14.670W	FI W 2.5s	32 10	7	White cylindrical tower.	Visible from 101° to 311°.
<b>Round Island Passage</b>							
12540	<i>Mission Point Lighted Bell Buoy 2</i> Marks shoal.	45-50-55.479N 084-35-56.688W	Q R		4	Red.	Replaced by nun from Dec. 7 to Apr. 28.
12545	MACKINAC ISLAND EAST BREAKWATER LIGHT 2	45-50-45.987N 084-36-32.895W	FI R 2.5s	25 8	5	TR on white pile.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>STRAITS OF MACKINAC</b>							
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
<b>Round Island Passage</b>							
12550	MACKINAC ISLAND WEST BREAKWATER LIGHT 1	45-50-39.428N 084-36-51.844W	FI G 2.5s	33 10	4	SG on post.	
12565	PASSENGER PIERHEAD LIGHT	45-50-39.300N 084-36-27.700W	F R	20 6		On white post.	Maintained from May 1 to Oct. 1.  Private aid.
12570	COAL DOCK PIERHEAD LIGHT	45-50-54.000N 084-36-59.100W	F W	14 4		On white post.	Maintained from May 1 to Oct. 1.  Private aid.
12575	<i>Round Island Lighted Buoy 3</i> Marks shoal.	45-50-27.479N 084-36-31.090W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to Apr. 28. AIS MMSI: 993672251
12580	- <b>Light</b>	45-50-34.960N 084-36-55.461W	FI R 5s	71 22	11	Lighthouse. 71	RACON: X ( - . . - ) HORN: 1 blast ev 30s (3s bl). Operates by keying the microphone 5 times on VHF-FM channel 83A.
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
12583	<i>William H. Barnum Wreck</i> <i>Mooring Buoy</i>	45-44-42.900N 084-37-51.480W					Private aid.
<b>Round Island Passage</b>							
12585	<b>Old Round Island Point Light</b>	45-50-12.000N 084-37-00.000W	FI (2)W 10s	53 16		Red and white conical tower.	Private aid.
12590	<i>Round Island Shoal Lighted Buoy 5</i> Marks shoal.	45-50-17.678N 084-37-05.691W	Q G		4	Green.	Replaced by can from Dec. 7 to Apr. 28. AIS MMSI: 993672252
12595	Majors Shoal East Buoy 1 Marks east side of shoal.	45-48-59.977N 084-39-05.097W				Green can.	Replaced by smaller can from Dec. 7 to Apr. 28.
12600	<i>Majors Shoal Lighted Buoy 3</i> Marks west side of shoal.	45-49-01.777N 084-39-51.499W	FI G 2.5s		4	Green.	Replaced by can from Dec. 7 to Apr. 28.
12605	<i>North Graham Shoal Lighted Bell Buoy 3</i> Marks east side of shoal.	45-50-14.577N 084-41-12.803W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to Apr. 28.
12607	ST. IGNACE COAST GUARD SLIP LIGHT	45-51-19.732N 084-42-09.030W	FI W 6s	16 5	3	NW on dolphin.	
12608	<b>Wawatam Lighthouse</b>	45-51-57.370N 084-42-55.550W	FI W 5s			Lighthouse 62	Private aid.
12609	ST. IGNACE MARINA ENTRANCE LIGHT 1	45-51-57.400N 084-43-03.400W	FI G 2.5s	25 8		SG on white pole.	Private aid.
12609.5	ST. IGNACE MARINA ENTRANCE LIGHT 2	45-51-58.300N 084-43-00.600W	FI R 2.5s	25 8		TR on white pole.	Private aid.
12610	ST IGNACE MARINA NORTHEAST BREAKWALL LIGHT	45-52-04.300N 084-43-04.000W	FI Y 2.5s	10 3		NY on white pole.	Private aid.
12615	NORTHWESTERN DOCK LIGHT	45-52-28.200N 084-42-53.000W	Q W	20 6		On middle of three mooring dolphins.	Maintained from Apr. 15 to Dec. 15. Private aid.
<b>Mackinaw Bridge</b>							
12625	Mackinac Bridge VAIS 1	45-48-29.376N 084-42-26.106W			1		AIS MMSI: 993672140.
12630	Mackinac Bridge VAIS 2	45-49-07.877N 084-42-27.306W			1		AIS MMSI: 993672141.
12635	South Graham Shoal Buoy 2A Marks south side of shoal.	45-49-31.577N 084-42-20.306W				Red nun.	
12640	<b>Mackinac Bridge Fog Signal</b>	45-48-55.100N 084-43-40.900W				On center span of Mackinac Bridge.	HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si). Private aid.
12645	Mackinac Bridge VAIS 3	45-48-38.776N 084-44-08.511W			1		AIS MMSI: 993672142.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
VAIS							
12647	East Enbridge Pipe 1	45-49-26.940N 084-45-52.247W					VAIS Private aid.
12647.1	East Enbridge Pipe 2	45-49-22.620N 084-45-25.650W					VAIS Private aid.
12648	West Enbridge Pipe 3	45-48-12.600N 084-45-52.553W					VAIS Private aid.
12648.1	West Enbridge Pipe 4	45-48-17.496N 084-46-18.163W					VAIS Private aid.
<b>STRAITS OF MACKINAC</b>							
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
<b>Mackinac Bridge</b>							
12650	Mackinac BridgeVAIS 4	45-49-15.576N 084-44-08.511W			1		AIS MMSI: 993672143.
12651	<b>McGulpin Point Lighthouse</b>	45-47-13.128N 084-46-21.756W	Fl W 4s			108	Private aid.
12653	<i>Michigan Tech Weather Buoy</i>	45-49-30.948N 084-46-19.806W	Q Y				Private aid.
<b>LAKE MICHIGAN</b>							
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
VAIS							
12654	<i>Michigan Tech Weather South Buoy</i>	45-48-12.211N 084-47-30.594W	Q Y				Maintained from Apr.1 to Dec.15. Private aid.
<b>LAKE HURON, CANADA</b>							
<b>PORT HURON TO PTE AUX BARQUES (Chart 14862)</b>							
<b>East Side</b>							
12660	<b>Goderich (Main) Light (C)</b>	43-44-30.032N 081-43-36.025W	Fl (2) W 25s 0.5s fl 5.5s ec. 0.5s fl 18.5s ec.	140 43	18	White square tower with red top.	Seasonal.
12670	<b>Point Clark Light (C)</b>	44-04-24.032N 081-45-24.026W	Fl W 3.5s	93 28	16	White circular tower.	Seasonal.
12675	<b>Cove Island Light (C)</b>	45-19-36.033N 081-44-06.026W	Fl W 5s	101 31	18	White circular tower with dwelling attached.	Seasonal. Emergency light.
12685	<b>Great Duck Island Light (C)</b>	45-38-30.032N 082-57-48.028W	Fl (3) W 15s fl 2.5s ec. fl 2.5s ec. fl 10s ec.	108 33		White octagonal tower.	Seasonal. Emergency light.
<b>ST. MARYS RIVER</b>							
<b>DE TOUR PASSAGE TO MUNUSCONG LAKE (Chart 14882)</b>							
<b>Potagannissing Bay</b>							
12690	BURNT ISLAND REEF LIGHT 1	46-06-27.032N 083-49-43.029W	Fl G 4s	40 12	5	SG on skeleton tower.	
12695	<i>Bacon Shoal Lighted Buoy 3</i>	46-03-36.378N 083-49-56.348W	Fl G 2.5s		4	Green.	Replaced by can from Oct. 28 to May 14.
12700	Big Trout Island Buoy 4	46-03-19.656N 083-50-21.678W				Red nun.	
12704	Bow Island Buoy 1	46-02-00.823N 083-49-29.606W				Green can.	
12705	Sturgeon Bay Shoal Buoy 2	46-01-27.032N 083-48-45.029W				Red nun.	
12707	Gull Island Buoy 3	46-01-55.032N 083-47-27.029W				Green can.	
12710	Cheney Shoal Buoy 5	46-02-03.232N 083-46-03.179W				Green can.	Maintained from May 14 to Oct. 28.
12715	<i>Wreck Island Lighted Buoy 6</i>	46-01-58.607N 083-45-51.343W	Fl R 2.5s		3	Red.	Maintained from May 14 to Oct. 28.
12720	Howard Island Buoy 7	46-01-53.841N 083-45-15.745W				Green can.	Maintained from May 14 to Oct. 28.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>DE TOUR PASSAGE TO MUNUSCONG LAKE (Chart 14882)</b>							
<b>Potagannissing Bay</b>							
<b>Drummond Island Shoal Yacht Haven Channel</b>							
<i>Aids maintained from May 15 to Oct. 15.</i>							
12725	- Buoy 1	46-01-45.000N 083-44-50.000W				Green can.	Private aid.
12730	- Buoy 2	46-01-45.000N 083-44-56.100W				Red nun.	Private aid.
12735	- Buoy 3	46-01-34.200N 083-44-50.000W				Green can.	Private aid.
12740	- Buoy 4	46-01-34.000N 083-44-54.900W				Red nun.	Private aid.
12743	Roggs Island Buoy 9	46-02-05.969N 083-44-26.902W				Green can.	Maintained from May 14 to Oct. 28.
12745	Rogg Island Buoy 8	46-02-01.336N 083-44-34.971W				Red nun.	Maintained from May 14 to Oct. 28.
12746	Quarry Island Buoy 10	46-02-00.035N 083-44-01.470W				Red nun.	Maintained from May 14 to Oct. 28.
12750	Quarry Island Buoy 11	46-02-08.675N 083-43-56.434W				Green can.	Maintained from May 14 to Oct. 28.
12751	Quarry Island Buoy 13	46-02-19.668N 083-43-52.153W				Green can.	Maintained from May 14 to Oct. 28.
12751.1	Fire Island Shoal Buoy	46-02-19.532N 083-44-10.085W					Maintained from May 14 to Oct. 28.
12752	La Pointe Island Buoy 14	46-02-20.427N 083-43-46.020W				Red nun.	Maintained from May 14 to Oct. 28.
12753	<i>Grape Island Lighted Buoy 16</i>	46-02-44.032N 083-43-48.529W	FI R 4s		3	Red.	Maintained from May 14 to Oct. 28.
12755	Harbor Island Shoal Buoy 17	46-03-42.646N 083-44-08.226W				Green can.	Maintained from May 14 to Oct. 28.
12760	Propeller Island Shoal Buoy 19	46-04-44.561N 083-44-20.419W				Green can.	Maintained from May 14 to Oct. 28.
12762	Bruce Point Buoy 21	46-05-02.456N 083-44-26.566W				Green can.	Maintained from May 14 to Oct. 28.
12763	Bruce Point Buoy 22	46-05-03.032N 083-44-08.029W				Red nun.	Maintained from May 14 to Oct. 28.
<b>Drummond Island - South Side</b>							
12765	Big Shoal Buoy 2	45-54-24.229N 083-37-08.316W				Red nun.	
12770	<b>De Tour Reef Light</b>	45-56-56.820N 083-54-11.274W	FI W 10s (R sector)	74 23	W 18 R 15	84	RACON: D ( - . . ) Red from 079.5° to 189.5°. HORN: 2 blasts ev 60s (3s bl-3s si-3s bl-51s si). Fog signal operates by keying VHF FM Marine radio channel 83A five times.
<b>Whitney Bay</b>							
<i>Aids maintained from Jun. 1 to Oct. 1.</i>							
12780	- East Entrance Buoy 2	45-57-16.000N 083-51-53.200W				Red nun.	Private aid.
12785	- East Entrance Buoy 4	45-57-31.000N 083-51-32.000W				Red nun.	Private aid.
12790	- East Entrance Buoy 6	45-58-23.700N 083-51-35.500W				Red nun.	Private aid.
12795	- West Entrance Buoy 1	45-57-47.000N 083-52-58.800W				Green can.	Private aid.
12800	- West Entrance Buoy 3	45-57-59.000N 083-52-27.900W				Green can.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>DE TOUR PASSAGE TO MUNUSCONG LAKE (Chart 14882)</b>							
<b>Whitney Bay</b>							
<i>Aids maintained from Jun. 1 to Oct. 1.</i>							
12805	- West Entrance Buoy 4	45-58-10.900N 083-52-03.000W				Red nun.	Private aid.
12810	- West Entrance Buoy 5	45-58-31.000N 083-51-47.400W				Green can.	Private aid.
<b>De Tour Passage</b>							
12815	- <i>Lighted Buoy 2</i>	45-56-34.403N 083-52-33.916W	FI R 6s		5	Red.	Replaced by nun from Dec. 1 to May 1.
12820	- <i>Lighted Buoy 3</i>	45-57-45.032N 083-54-00.029W	FI G 2.5s		4	Green can.	Replace by can Dec 1 to May 1.
12825	<i>Crab Island Shoal Lighted Bell Buoy 4</i> Marks west side of shoal.	45-57-36.276N 083-53-10.931W	FI R 2.5s		5	Red.	Replaced by nun from Dec. 1 to May 1.
12830	Drummond Island Shoal Buoy 6	45-58-50.636N 083-53-00.976W				Red nun.	
12835	FRYING PAN ISLAND LIGHT 7	45-59-07.634N 083-53-40.973W	Q G	14 4	6	SG on post.	Higher intensity beam on bearing 176° and 356° diminishing around remainder of horizon.
12840	DETOUR HARBOR ENTRANCE LIGHT 2	45-59-44.235N 083-53-56.818W	FI R 4s	28 9	4	TR on pile.	
<b>Lower River</b>							
12850	WATSONS REEFS LIGHT 9A	46-00-24.652N 083-53-58.183W	FI G 4s	33 10	6	SG on post on tripod foundation.	Higher intensity beam upstream.
12855	Watson Reefs Buoy 9 Marks east side of reef.	46-00-16.904N 083-53-50.128W				Green can.	
12860	Watson Reefs Buoy 11	46-00-36.864N 083-54-05.449W				Green can.	
12865	<i>Pipe Island Shoal Lighted Buoy 1</i> Marks southeast side of shoal.	46-00-34.501N 083-53-17.157W	FI G 2.5s		3	Green.	Replaced by can from Dec. 07 to May. 01. AIS MMSI: 993686002
12870	Sims Point Buoy 2	46-01-39.705N 083-51-03.780W				Red nun.	
<b>Pipe Island</b>							
12875	- <b>Light</b>	46-00-58.832N 083-53-57.529W	FI W 5s	52 16	11	KRW on yellow octagonal tower with black skeleton superstructure.	
12880	- <i>Lighted Buoy 12</i>	46-00-57.043N 083-54-06.903W	FI R 4s		4	Red.	Replaced by nun from Dec. 7 to May 1.
12885	- TWINS LIGHT	46-01-33.961N 083-53-29.371W	FI W 2.5s	27 8	9	NG on post.	
12890	- <i>Twins Lighted Buoy 3</i>	46-01-43.232N 083-53-24.809W	Q G		4	Green.	Replaced by can from Dec. 7 to May 1.
<b>Lower River</b>							
12895	MINO-KWE MINISING LIGHT 4	46-02-20.312N 083-54-13.649W	FI R 2.5s	26 8	6	TR on post.	
12905	<b>Sweets Point Light 13</b> Marks north side of shoal.	46-02-19.421N 083-56-09.741W	FI G 2.5s	20 6	10	White cylindrical tower with green stripe in middle.	Higher intensity beam on bearings 316° and 121° diminishing around remainder of horizon.
<b>Lime Island</b>							
12907	- <i>Lighted Buoy 14</i>	46-03-17.365N 083-57-36.786W	FI R 4s		3	Red.	Replaced by nun from Dec. 7 to May 1.
12910	- <i>Lighted Buoy 14A</i>	46-04-12.284N 084-00-23.566W	FI R 4s		4	Red.	Replaced by nun from Dec. 7 to May 1.
12915	- Safe Water V-AIS	46-04-21.896N 084-00-59.236W	Mo (A) W		4		Vessels are required to leave buoy to port when passing. AIS MMSI: 993686001

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<b>ST. MARYS RIVER</b>							
<b>DE TOUR PASSAGE TO MUNUSCONG LAKE (Chart 14882)</b>							
<b>Lower River</b>							
<b>Lime Island</b>							
12920	- Lighted Buoy 15	46-05-06.577N 084-01-14.149W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to May 1.
12925	- COAL DOCK LIGHT	46-05-10.932N 084-00-45.030W	Oc Y 4s	27 8	4	On post.	
12930	- COAL DOCK PASSAGE LIGHT CD	46-05-17.798N 084-00-46.746W	FI Y 6s	27 8	4	On post.	AIS MMSI: 993686000
12935	- Lighted Buoy 16	46-05-51.699N 084-00-49.804W	FI R 4s		5	Red.	Replaced by nun from Dec. 7 to May 1.
<b>Lower River</b>							
12940	ROUND ISLAND LIGHT	46-06-34.542N 084-01-10.060W	FI W 2.5s (R sector)	28 9	W 7 R 6	NG on post.	Red from 145° to 186°. Obscured from 358° to 145°.
12945	Round Island Lighted Buoy 17	46-06-30.076N 084-01-01.182W	FI G 4s		3	Green.	Replaced by can from Dec. 7 to May 1.
12950	Round Island Buoy 18	46-06-28.706N 084-00-43.680W				Red nun.	
12955	Hay Point Reef Lighted Buoy 18A	46-07-32.330N 084-00-32.632W	FI R 4s		5	Red.	Replaced by nun from Dec. 7 to May 1. AIS MMSI: 993686003
<b>Point Aux Frenes</b>							
12960	- LIGHT 19	46-07-48.513N 084-01-00.655W	FI G 2.5s	33 10	7	White cylindrical tower with green band	
12965	- Lighted Buoy 20	46-07-57.626N 084-00-46.639W	FI R 2.5s		3	Red.	Replaced by nun from Dec. 7 to May 1.
12975	- LIGHT 21	46-08-18.032N 084-01-18.030W	Q G	34 10	9	SG on post on concrete structure.	
12980	- Lighted Buoy 22	46-08-18.939N 084-01-00.267W	FI R 4s		3	Red.	Replaced by nun from Dec. 7 to May 1. AIS MMSI: 993686004
12985	- Lighted Buoy 23	46-08-49.506N 084-02-19.005W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to May 1.
12990	- Lighted Buoy 24	46-08-57.590N 084-02-10.526W	FI R 4s		5	Red.	Replaced by nun from Dec. 7 to May 1.
<b>Munuscong Lake</b>							
12995	HAY POINT RANGE FRONT LIGHT (C)	46-07-42.032N 084-00-00.030W	F W	38 12		White daymark with orange stripe on square tower.	Seasonal.
13000	HAY POINT RANGE REAR LIGHT (C) 1,100 feet, 128° from front light.		F W	60 18		White daymark with orange stripe on square tower.	Seasonal
13005	- Lighted Buoy 25	46-09-35.894N 084-03-43.040W	FI G 4s		5	Green.	Replaced by can from Dec 7 to May 1
13010	- Lighted Buoy 26	46-09-43.710N 084-03-34.074W	FI R 4s		5	Red.	Replaced by nun from Dec. 7 to May 1.
<b>MUNUSCONG LAKE TO SAULT STE. MARIE</b>							
<b>Munuscong Channel (Upbound)</b>							
13015	WINTER POINT RANGE FRONT LIGHT	46-13-33.920N 084-08-38.757W	F W	46 14		KRW on white skeleton tower.	Visible 4° each side of range line. Lighted throughout 24 hours.
13025	WINTER POINT RANGE REAR LIGHT 3,903 feet, 322.1° from front light.	46-14-04.327N 084-09-12.867W	F W	82 25		KRW on white skeleton tower.	Visible 4° each side of range line. Lighted throughout 24 hours.
13030	- JUNCTION LIGHT ML	46-10-55.868N 084-05-45.300W	FI (2+1)G 6s		8		AIS MMSI: 993686005

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<b>ST. MARYS RIVER</b>							
<b>MUNUSCONG LAKE TO SAULT STE. MARIE</b>							
<b>Munuscong Channel (Upbound)</b>							
13035	- Lighted Buoy 2	46-11-00.987N 084-05-41.865W	FI R 4s		5	Red.	Replaced by nun from Dec. 14 to Apr. 28.
13040	- Buoy 3	46-11-37.896N 084-06-32.152W				Green can.	
13045	- Buoy 4	46-11-41.082N 084-06-27.302W				Red nun.	
13050	- Lighted Buoy 5	46-12-02.157N 084-06-59.420W	FI G 4s		4	Green.	Replaced by can from Dec. 14 to Apr. 21.
13055	- Lighted Buoy 6	46-12-05.696N 084-06-54.641W	Q R		4	Red.	Year round lighted buoy
13060	- Buoy 7	46-12-21.921N 084-07-22.106W				Green can.	
13065	- Lighted Buoy 8	46-12-32.643N 084-07-04.643W	Q R		3	Red.	Year round lighted buoy
13070	- Lighted Buoy 9	46-12-44.302N 084-07-13.114W	FI G 4s		4	Green.	Year round lighted buoy. AIS MMSI: 993686006
13075	- Buoy 10	46-13-15.161N 084-06-48.262W				Red nun.	
13080	- Lighted Buoy 11	46-13-17.506N 084-06-58.414W	FI G 4s		4	Green.	Replaced by can from Dec. 7 to Apr. 21.
13085	- Lighted Buoy 12	46-13-48.468N 084-06-35.833W	FI R 4s		4	Red.	Replaced by nun from Dec. 1 to Apr. 21.
13090	- Lighted Buoy 13	46-13-48.908N 084-06-44.904W	FI G 4s		3	Green.	Replaced by can from Dec. 1 to Apr. 21.
13095	- Buoy 15	46-14-22.721N 084-06-29.999W				Green can.	
<b>Sailors Encampment Channel</b>							
13100	UPBOUND RANGE FRONT LIGHT (C)	46-15-42.032N 084-05-54.030W	F W	76 23		White daymark with orange stripe on square tower.	
13105	UPBOUND RANGE REAR LIGHT (C) 2,183 feet, 017° from front light.		F W	104 32		White daymark with orange stripe on square tower.	
13110	Everens Point Lighted Buoy Q16 (C)	46-14-46.362N 084-06-12.596W	FI R 4s			Red.	Spar; winter marker. Seasonal.
13115	- Lighted Buoy 17	46-14-49.009N 084-06-18.307W	FI G 4s		3	Green.	Replaced by can from Dec. 1 to Apr. 21.
13120	JOHNSON POINT LIGHT 19	46-15-17.737N 084-06-06.717W	FI G 2.5s	29 9	7	SG on pile.	Higher intensity beam up and down stream.
13125	- Lighted Buoy 21	46-15-30.264N 084-06-10.423W	Q G		4	Green.	Year round lighted buoy. AIS MMSI: 993686009
13130	Lighted Buoy Q22 (C)	46-15-35.755N 084-06-02.449W	FI R 4s			Red.	Spar; winter marker. Seasonal.
13135	RAINS WHARF RANGE FRONT LIGHT (C)	46-15-18.032N 084-05-42.030W	F W	32 10		White daymark with orange stripe on circular tower.	Visible on range line only. Passing light F W, visible all around. Seasonal.
13140	RAINS WHARF RANGE REAR LIGHT (C) 880 feet, 134.9° from front light.		F W	53 16		White daymark with orange stripe on skeleton tower.	Seasonal.
13145	POINT OF WOODS RANGE FRONT LIGHT	46-16-19.453N 084-07-13.792W	F W	31 9		KRW on triangular skeleton tower.	Lighted throughout 24 hours.
13155	POINT OF WOODS RANGE REAR LIGHT 325 feet, 314.7° from front light.	46-16-21.711N 084-07-17.086W	F W	42 13		KRW on square skeleton tower.	Lighted throughout 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>MUNUSCONG LAKE TO SAULT STE. MARIE</b>							
<b>Sailors Encampment Channel</b>							
13160	- Buoy 23	46-15-47.201N 084-06-35.414W				Green can.	
13165	- <i>Lighted Buoy 25</i>	46-16-00.983N 084-06-55.648W	FI G 4s		4	Green.	Year round lighted buoy.
<b>Munuscong Channel</b>							
13170	DARK HOLE EAST RANGE FRONT LIGHT	46-15-54.025N 084-06-54.813W	F G	40 12		KRG on square skeleton tower.	Range marks eastern half of channel. High intensity beam on range line. F G light operated from Nov. 15 to Apr. 15. Lighted throughout 24 hours.
13175	DARK HOLE EAST RANGE REAR LIGHT 499 feet, 176.6° from front daybeacon.	46-15-49.104N 084-06-54.390W	F G	75 23		KRG on square skelton tower.	Range marks eastern half of channel. High intensity beam on range line. F G light operated from Nov. 15 to Apr. 15. Lighted throughout 24 hours.
13180	DARK HOLE WEST RANGE FRONT LIGHT	46-15-54.887N 084-06-57.739W	Q W	38 12		KRW on square skeleton tower.	Range marks western half of channel. Visible 1.5° each side of range line. Lighted throughout 24 hours.
13185	DARK HOLE WEST RANGE REAR LIGHT 424 feet, 176.6° from front light.	46-15-50.703N 084-06-57.386W	F W	73 22		KRW on square skeleton tower.	Range marks western half of channel. Visible 1.5° each side of range line. Lighted throughout 24 hours.
13190	HARWOOD POINT EAST RANGE FRONT LIGHT	46-19-17.282N 084-07-12.242W	F R	30 9		KRG on white cylindrical tower.	Range marks eastern half of channel. High intensity beam on range line. F R light operated from Nov. 15 to Apr. 15. Lighted throughout 24 hours.
13195	HARWOOD POINT EAST RANGE REAR LIGHT 1,002 feet, 356.6° from front light.	46-19-27.160N 084-07-13.089W	F R	65 20		KRG on white cylindrical tower.	Range marks eastern half of channel. High intensity beam on range line. F R light operated from Nov. 15 to Apr. 15. Lighted throughout 24 hours.
13200	HARWOOD POINT WEST RANGE FRONT LIGHT	46-19-17.304N 084-07-15.089W	F W	32 10		KRW on white cylindrical tower.	Range marks western half of channel. Visible 1.5° each side of range line. Lighted throughout 24 hours.
13205	HARWOOD POINT WEST RANGE REAR LIGHT 1,001 feet, 356.6° from front light.	46-19-27.170N 084-07-15.940W	F W	65 20		KRW on white cylindrical tower.	Range marks western half of channel. Visible 1.5° each side of range line. Lighted throughout 24 hours.
13210	- <i>Lighted Buoy 27</i>	46-16-12.205N 084-07-01.367W	Q G		4	Green.	Replaced by can from Dec. 7 to Apr. 21.
13215	<i>Coyle Point Lighted Buoy Q28 (C)</i>	46-16-16.989N 084-06-53.650W	Q R			Red.	Spar; winter marker.
13217	- <i>Lighted Buoy 29</i>	46-16-28.415N 084-07-02.697W	FI G 2.5s		3	Green.	Year round lighted buoy. AIS MMSI: 993686015
13220	- Buoy 31	46-16-51.999N 084-07-04.932W				Green can.	
13225	<i>Coyle Point North Lighted Buoy Q30 (C)</i>	46-16-51.587N 084-06-57.976W	FI R 4s			Red.	Spar; winter marker. Seasonal.
13235	- <i>Lighted Buoy 33</i>	46-17-26.489N 084-07-07.864W	FI G 4s		4	Green.	Replaced by can from Dec. 1 to Apr. 21.
13240	<i>Green Point Lighted Buoy Q34 (C)</i>	46-17-26.399N 084-07-01.170W	FI R 4s			Red.	Spar; winter marker. Seasonal.
13245	- <i>Lighted Buoy 35</i>	46-18-00.979N 084-07-10.797W	FI G 4s		4	Green.	Year round lighted buoy. AIS MMSI: 993686016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>MUNUSCONG LAKE TO SAULT STE. MARIE</b>							
<b>Munuscong Channel</b>							
13250	- Lighted Buoy Q36 (C)	46-18-00.291N 084-07-03.361W	FI R 4s			Red.	
13255	- LIGHT 39	46-18-33.644N 084-07-14.142W	Q G	30 9	5	SG on post on concrete cone.	
13256	Hen Island Daybeacon H	46-18-32.599N 084-07-52.960W				NB on skeleton tower.	
<b>Middle Neebish Channel</b>							
13260	STRIBLING POINT UPBOUND RANGE FRONT LIGHT (C)	46-18-48.032N 084-06-54.030W	F W	64 20		White daymark with orange stripe on skeleton tower.	Seasonal.
13265	STRIBLING POINT UPBOUND RANGE REAR LIGHT (C) 3,154 feet, 111.9° from front light.		F W	100 30		White daymark with orange stripe on square skeleton tower.	
13275	MIDDLE NEEBISH SOUTH RANGE FRONT LIGHT	46-19-56.404N 084-11-04.645W	Q W	22 7		KRW on red steel structure.	Visible 1.5° each side of range line.
13280	MIDDLE NEEBISH SOUTH RANGE REAR LIGHT 5,574 feet, 291.9° from front light.	46-20-16.815N 084-12-18.119W	F W	50 15		KRW on square skeleton tower.	Visible 1.5° each side of range line.
13285	- Lighted Buoy 43	46-18-57.427N 084-07-37.518W	Q G		4	Green.	Year round lighted buoy. AIS MMSI: 993686011
13290	Hardwood Point Junction Buoy HP	46-18-59.342N 084-07-19.299W				Red nun with green band.	
13295	- Buoy 45	46-19-10.674N 084-08-25.482W				Green can.	
13300	- Buoy 46	46-19-18.752N 084-08-28.890W				Red nun.	
13310	- Lighted Buoy 49	46-19-19.686N 084-08-57.663W	FI G 4s		4	Green.	Replaced by can from Nov. 28 to Apr. 21.
13315	- LIGHT 50	46-19-24.704N 084-08-54.312W	FI R 4s	26 8	4	TR on post.	
13320	- Buoy 51	46-19-26.280N 084-09-21.854W				Green can.	
13325	- LIGHT 54	46-19-35.852N 084-09-34.530W	FI R 4s	26 8	4	TR on post.	
13330	- Buoy 55	46-19-36.061N 084-09-57.278W				Green can.	
13335	- Buoy 57	46-19-41.386N 084-10-15.896W				Green can.	
13340	- LIGHT 58	46-19-46.952N 084-10-14.440W	FI R 4s	20 6	4	TR on post.	
13345	- Lighted Buoy 59	46-19-48.026N 084-10-40.136W	FI G 2.5s		4	Green.	Year round lighted buoy. AIS MMSI: 993686012
13350	- Buoy 60	46-19-54.465N 084-10-34.516W				Red nun.	
13353	- LIGHT 61	46-19-57.680N 084-11-03.144W	Q G	26 8	4	SG on post.	
<b>Lake Nicolet</b>							
13355	LOWER NICOLET EAST RANGE FRONT LIGHT	46-19-29.282N 084-10-32.700W	F G	54 16		KRG on skeleton tower.	Range marks eastern half of channel. High intensity beam on range line. F G light operated from Nov. 15 to Apr. 15. Lighted throughout 24 hours.
13360	LOWER NICOLET EAST RANGE REAR LIGHT 1,758 feet, 150.5° from front daybeacon.	46-19-14.178N 084-10-20.347W	F G	75 23		KRG on skeleton tower.	Range marks eastern half of channel. High intensity beam on range line. F G light operated from Nov. 15 to Apr. 15. Lighted throughout 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>MUNUSCONG LAKE TO SAULT STE. MARIE</b>							
<b>Lake Nicolet</b>							
13365	LOWER NICOLET WEST RANGE FRONT LIGHT	46-19-28.649N 084-10-35.437W	F W	60 18		KRW on skeleton tower.	Range marks western half of channel. Visible 1.5° each side of range line. Lighted throughout 24 hours.
13370	LOWER NICOLET WEST RANGE REAR LIGHT 3,794 feet, 150.5° from front light.	46-18-56.057N 084-10-08.786W	F W	104 32		KRW on skeleton tower.	Range marks western half of channel. Visible 1.5° each side of range line. Lighted throughout 24 hours.
13375	MIDDLE NEEBISH LIGHT 62	46-20-07.244N 084-11-00.450W	Q R	34 10	5	TR on post.	AIS MMSI: 993686010
13380	- Lighted Buoy 63	46-20-05.100N 084-11-08.136W	FI G 2.5s		3	Green.	Replaced by can from Dec. 7 to Apr. 21.
13385	- Lighted Buoy 64	46-20-26.592N 084-11-17.353W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to Apr. 14.
13390	- Lighted Buoy 65	46-20-24.131N 084-11-23.451W	FI G 4s		4	Green.	Year round lighted buoy. AIS MMSI: 993686013
13395	- Lighted Buoy 66	46-21-03.890N 084-11-48.033W	FI R 4s		3	Red.	Replaced by nun from Dec. 7 to Apr. 21.
13400	- Lighted Buoy 67	46-21-01.627N 084-11-53.956W	FI G 4s		5	Green.	Replaced by can from Dec. 7 to Apr. 21.
13405	- Lighted Buoy 68	46-21-40.211N 084-12-18.133W	FI R 4s		3	Red.	Replaced by nun from Nov. 28 to Apr. 21.
13410	- Lighted Buoy 69	46-21-38.055N 084-12-23.565W	FI G 4s		4	Green.	Replaced by can from Nov. 28 to Apr. 21.
13425	- Lighted Buoy 72	46-22-16.785N 084-12-47.946W	FI R 4s		3	Red.	Replaced by nun from Nov. 28 to Apr. 14.
13430	- Lighted Buoy 73	46-22-14.950N 084-12-53.796W	FI G 4s		4	Green.	Replaced by can from Nov. 28 to Apr. 14.
13445	- Lighted Buoy 76	46-22-54.167N 084-13-18.535W	FI R 4s		4	Red.	Replaced by nun from Nov. 28 to Apr. 14.
13450	- Lighted Buoy 77	46-22-51.430N 084-13-24.099W	FI G 4s		4	Green.	Year Round Lighted Buoy
13455	- Buoy 78	46-23-27.337N 084-13-45.317W				Red nun.	
13460	- Lighted Buoy 79	46-23-29.953N 084-14-08.951W	FI G 4s		3	Green.	Replaced by can from Nov. 21 to Apr. 14.
13465	- LIGHT 80	46-23-36.032N 084-13-47.900W	FI R 2.5s	27 8	4	TR on post.	
<b>West Neebish Channel (Downbound)</b>							
13470	- UPPER RANGE FRONT LIGHT	46-20-16.828N 084-12-18.155W	Q W	40 12		KRW on skeleton tower.	For downbound traffic. Range marks western half of channel. Visible 4° each side of range line.
13475	- UPPER RANGE REAR LIGHT 6,221 feet, 159.6° from front light.	46-19-19.252N 084-11-47.317W	F W	82 25		KRW on red and white square skeleton tower.	For downbound traffic. Range marks western half of channel. Visible 4° each side of range line.
13480	- LIGHT 54	46-22-50.832N 084-13-37.930W	FI R 4s	34 10	6	TR on post.	
13485	- Lighted Buoy 53	46-22-49.261N 084-13-42.507W	FI G 4s		3	Green.	Replaced by can from Dec. 14 to Apr. 14.
13490	- Buoy 52	46-22-10.413N 084-13-16.383W				Red nun.	
13495	- Buoy 51	46-22-09.376N 084-13-21.435W				Green can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>MUNUSCONG LAKE TO SAULT STE. MARIE</b>							
<b>West Neebish Channel (Downbound)</b>							
13500	- Lighted Buoy 50	46-21-35.435N 084-12-57.394W	FI R 4s		4	Red.	Replaced by nun from Nov. 21 to Apr. 14.
13505	- LIGHT 49	46-21-33.542N 084-13-01.850W	Q G	32 10	6	SG on column on concrete cone.	
13510	- Lighted Buoy 48	46-21-09.578N 084-12-44.617W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 14 to Apr. 14.
13515	- OAK RIDGE RANGE FRONT LIGHT	46-17-08.159N 084-12-56.861W	F G	73 22		KRW on square skeleton tower.	Visible 1.5° each side of range line. Lighted throughout 24 hours.
13520	- OAK RIDGE RANGE REAR LIGHT 1,947 feet, 181.5° from front light.	46-16-48.947N 084-12-57.603W	F G	144 44		KRW on square skeleton tower.	Visible 1.5° each side of range line. Lighted throughout 24 hours.
13525	- Lighted Buoy 46	46-20-44.658N 084-12-45.373W	FI R 4s		4	Red.	Year round lighted buoy
13530	- LIGHT 45	46-20-44.162N 084-12-50.170W	FI G 2.5s	32 10	5	SG on black tripod tower.	
13535	- Buoy 44	46-20-04.713N 084-12-47.256W				Red nun.	
13540	- Buoy 43	46-20-04.491N 084-12-51.847W				Green can.	
13545	- Lighted Buoy 42	46-19-25.123N 084-12-48.760W	FI R 4s		4	Red.	Replaced by nun from Nov. 21 to Apr. 21.
13550	- Lighted Buoy 41	46-19-23.702N 084-12-53.556W	FI G 4s		4	Green.	Replaced by can from Nov. 21 to Apr. 21.
13555	- Lighted Buoy 40	46-18-44.962N 084-12-50.499W	FI R 4s		4	Red.	Replaced by nun from Nov. 21 to Apr. 21.
13560	- Lighted Buoy 39	46-18-45.018N 084-12-55.478W	FI G 4s		4	Green.	Replaced by can from Nov. 21 to Apr. 21.
13565	- Lighted Buoy 38	46-18-05.839N 084-12-52.074W	FI R 4s		3	Red.	Replaced by nun from Dec. 1 to Apr. 21.
13570	- Lighted Buoy 37	46-18-06.572N 084-12-57.149W	FI G 4s		3	Green.	Replaced by can from Dec. 1 to Apr. 21.
13575	WEST NEEBISH LIGHT 36	46-17-38.372N 084-12-53.910W	FI R 2.5s	33 10	7	White cylindrical tower with red band	
13580	- Lighted Buoy 35	46-17-18.899N 084-12-58.598W	Q G		4	Green can.	Replaced by can from Dec. 1 to Apr. 21
13585	- Buoy 34	46-17-30.392N 084-12-51.810W				Red nun.	
13590	- LIGHT 33	46-17-10.132N 084-12-50.220W	Q G	32 10	4	SG on black column adjoining small house.	
13595	- LIGHT 32	46-17-07.082N 084-12-40.460W	Q R	31 9	4	TR on post.	
13600	<b>Rock Cut Lower Leading Light</b>	46-15-06.342N 084-10-33.063W	F W	29 9	15	KRW on square skeleton tower.	Lighted throughout 24 hours.
13605	- LIGHT 30	46-16-56.172N 084-12-28.720W	F R	31 9	6	TR on post.	
13610	- LIGHT 29	46-16-54.362N 084-12-32.290W	Q G	31 9	5	SG on post.	
13615	- LIGHT 28	46-16-29.032N 084-11-59.930W	Iso R 6s	32 10	3	TR on triangular skeleton tower.	
13620	- LIGHT 27	46-16-27.032N 084-12-03.468W	Iso G 6s	32 10	3	SG on triangular skeleton tower.	
13625	- LIGHT 26	46-15-55.170N 084-11-21.798W	F R	30 9	4	TR on triangular skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>MUNUSCONG LAKE TO SAULT STE. MARIE</b>							
<b>West Neebish Channel (Downbound)</b>							
13630	- LIGHT 25	46-15-52.788N 084-11-27.570W	F G	30 9	4	SG on triangular skeleton tower.	
13635	- Lighted Buoy 24	46-15-29.068N 084-10-55.407W	Q R		4	Red.	Replaced by nun from Dec. 14 to Apr. 21.
13640	Sawmill Point Lighted Buoy 23	46-15-03.054N 084-10-53.057W	Q G		4	Green.	Year round lighted buoy.
13645	Sawmill Point Lighted Buoy 22	46-15-04.548N 084-10-47.946W	FI R 4s		4	Red.	Replaced by nun from Dec. 14 to Apr. 21. AIS MMSI: 993686007
13650	MOON ISLAND LEADING LIGHT	46-13-07.376N 084-10-15.950W	F W	40 12	6	Cylindrical tower with black band.	
13655	- Buoy 20	46-14-41.959N 084-10-40.808W				Red nun.	
13660	- Buoy 19	46-14-41.108N 084-10-46.227W				Green can.	
13665	- Lighted Buoy 18	46-14-21.227N 084-10-34.782W	FI R 4s		5	Red.	Replaced by nun from Nov. 28 to Apr. 21.
13670	- LIGHT 17	46-14-19.862N 084-10-39.150W	FI G 4s	32 10	7	SG on post.	
13675	Kemps Point Lighted Buoy 15A	46-13-49.567N 084-10-30.378W	FI G 4s		3	Green.	Replaced by can from Dec. 14 to Apr. 21.
13680	- LIGHT 16	46-13-37.012N 084-10-21.280W	Q R	32 10	3	TR on post on concrete base.	
13685	- Lighted Buoy 15	46-13-19.160N 084-10-20.748W	Q G		5	Green.	Replaced by can from Dec. 14 to Apr. 21.
13690	- LIGHT 14	46-13-10.122N 084-09-58.260W	Q R	24 7	4	TR on post.	
13695	Moon Island Lighted Buoy 13	46-13-07.712N 084-10-00.994W	FI G 2.5s		4	Green.	Year round lighted buoy. AIS MMSI: 993686008
13700	- Lighted Buoy 12	46-12-54.907N 084-09-30.524W	FI R 4s		3	Red.	Replaced by nun from Nov. 28 to Apr. 21.
13705	- Lighted Buoy 11	46-12-52.745N 084-09-33.506W	FI G 4s		3	Green.	Replaced by can from Nov. 28 to Apr. 21.
13710	- Lighted Buoy 10	46-12-38.026N 084-08-59.769W	FI R 2.5s		3	Red.	Replaced by nun from Nov. 28 to Apr. 28.
13715	- LIGHT 9	46-12-35.432N 084-09-03.330W	FI G 2.5s	42 13	6	White cylindrical tower with green band.	
13720	- Buoy 8	46-12-24.927N 084-08-36.471W				Red nun.	
13725	- Buoy 7	46-12-22.097N 084-08-38.120W				Green can.	
13730	- Lighted Buoy 6	46-12-11.058N 084-08-11.326W	FI R 4s		4	Red.	Replaced by nun from Nov. 28 to Apr. 28.
13735	- Lighted Buoy 5	46-12-09.097N 084-08-14.118W	FI G 4s		4	Green.	Replaced by can from Nov. 28 to Apr. 28.
13740	- Buoy 4	46-11-40.435N 084-07-15.050W				Red nun.	
13745	- Buoy 3	46-11-38.098N 084-07-18.113W				Green can.	
13750	- Lighted Buoy 2	46-11-09.676N 084-06-19.320W	FI R 2.5s		4	Red.	Replaced by nun from Nov. 28 to Apr. 28.
13755	- Lighted Buoy 1	46-11-07.322N 084-06-22.172W	FI G 4s		4	Green.	Replaced by can from Nov. 28 to Apr. 28.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>MUNUSCONG LAKE TO SAULT STE. MARIE</b>							
<b>Lake George</b>							
<b>East Neebish Island Channel</b>							
<i>Buoys maintained from May 7 to Oct. 28.</i>							
13760	- Buoy 1	46-19-15.293N 084-06-40.312W				Green can.	Maintained from May 07 to October 28
13765	- Buoy 2	46-19-13.992N 084-06-33.880W				Red nun.	Maintained from May 7 to October 28
13770	- Lighted Buoy 3	46-19-21.298N 084-06-33.020W	FI G 4s		3	Green	
13775	- Buoy 5	46-20-19.999N 084-07-18.323W				Green can.	
13780	- Buoy 7	46-20-30.099N 084-07-27.423W				Green can.	
13785	- Buoy 8	46-20-39.881N 084-07-29.153W				Red nun.	
13790	- Lighted Buoy 9	46-20-43.999N 084-07-39.224W	Q G		3	Green.	
13795	- Buoy 11	46-20-50.160N 084-07-40.200W				Green can.	
13800	- Lighted Buoy 12	46-20-50.508N 084-07-38.111W	FI R 4s		3	Red	
13805	- Lighted Buoy 13	46-20-56.354N 084-07-39.931W	FI G 4s		3	Green.	
13810	- Buoy 14	46-20-56.775N 084-07-37.214W				Red nun.	
13815	Birch Point Lighted Buoy QV18	46-22-18.032N 084-08-12.030W	FI R 4s			Red spar.	Seasonal.
<b>Lake George Channel</b>							
<i>Buoys maintained from May 7 to Oct. 28.</i>							
13820	- Buoy 1	46-23-26.104N 084-08-33.116W				Green can.	
13830	- Buoy 3	46-23-42.568N 084-08-33.180W				Green can.	
13835	- Buoy 3A	46-23-52.780N 084-08-35.125W				Green can.	
13840	- Buoy 4A	46-23-54.232N 084-08-33.155W				Red nun.	
13845	- Buoy 5	46-24-02.401N 084-08-39.034W				Green can.	
13850	- Lighted Buoy 6	46-24-03.636N 084-08-38.133W	FI R 2.5s		3	Red.	
13855	- Buoy 7	46-24-17.580N 084-08-47.340W				Green can.	
13860	- Buoy 8	46-24-19.704N 084-08-44.973W				Red nun.	
13865	- Lighted Buoy 9	46-24-35.520N 084-08-58.405W	FI G 2.5s		3	Green.	
13870	- Buoy 10	46-24-35.308N 084-08-54.831W				Red nun.	
13875	- Buoy 11	46-25-05.751N 084-09-08.866W				Green can.	
13880	- Buoy 12	46-25-05.752N 084-09-05.495W				Red nun.	
13885	- Buoy 13	46-25-36.101N 084-09-17.740W				Green can.	
13890	- Buoy 14	46-25-36.748N 084-09-14.881W				Red nun.	
13895	- Lighted Buoy 15	46-26-06.204N 084-09-28.841W	FI G 4s		3	Green.	
13900	- Buoy 16	46-26-06.108N 084-09-24.142W				Red nun.	Maintained year round.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>MUNUSCONG LAKE TO SAULT STE. MARIE</b>							
<b>Sugar Island North Channel</b>							
<i>Buoys maintained from May 7 to Oct. 28.</i>							
13905	- Lighted Buoy 1	46-30-13.439N 084-06-43.073W	FI G 4s		3	Green.	Replaced by can from Oct. 28 to May 7.
13910	- Buoy 5	46-31-51.148N 084-08-46.077W				Green can.	
13912	- Lighted Buoy 6	46-31-39.987N 084-09-24.186W	FI R 4s		4	Red	
13915	- Lighted Buoy 6A	46-31-32.081N 084-10-37.268W	Q R		3	Red.	
13920	- Buoy 7	46-31-34.670N 084-10-49.685W				Green can.	
13925	- Buoy 8	46-32-09.151N 084-11-41.864W				Red nun.	
13930	- Buoy 9	46-32-05.491N 084-11-44.476W				Green can.	
13935	- Buoy 13	46-31-14.197N 084-14-12.136W				Green can.	
13940	- Buoy 15	46-30-45.386N 084-14-41.335W				Green can.	
13945	- Buoy 30	46-29-35.048N 084-17-53.857W				Red nun.	
13950	- Buoy 31	46-29-31.935N 084-17-58.315W				Green can.	
<b>Lake Nicolet</b>							
13955	UPPER NICOLET RANGE FRONT LIGHT	46-27-15.593N 084-15-55.654W	F W	42 13		KRW on square skeleton tower.	For upbound traffic. Range marks eastern half of channel. Visible 1.5° each side of range line
13960	UPPER NICOLET RANGE REAR LIGHT 3,107 feet, 339.6° from front light.	46-27-44.339N 084-16-11.135W	F W	84 26		KRW on skeleton tower.	For upbound traffic. Range marks eastern half of channel. Visible 1.5° each side of range line.
13965	- Lighted Buoy 82	46-24-15.605N 084-14-11.109W	FI R 4s		3	Red.	Replaced by nun from Nov. 21 to Apr. 14.
13970	- Lighted Buoy 83	46-24-52.604N 084-14-53.990W	FI G 4s		3	Green.	Replaced by can from Nov. 21 to Apr. 14.
13975	- Buoy 84	46-25-25.423N 084-14-49.225W				Red nun.	
13980	- Buoy 85	46-25-19.732N 084-15-08.673W				Green can.	
13985	- Anchorage Buoy A	46-23-30.717N 084-14-25.050W				Yellow can.	
13990	- Anchorage Buoy B	46-24-21.565N 084-14-52.005W				Yellow can.	
13995	- Lighted Buoy 86	46-25-55.021N 084-15-04.815W	Q R		4	Red nun.	Replaced by nun from Nov. 21 to Apr. 14
14000	- Lighted Buoy 86A	46-26-07.663N 084-15-19.243W	FI R 4s		3	Red.	Replaced by nun from Nov. 21 to Apr. 14.
14005	Six Mile Point Lighted Buoy 87	46-26-03.574N 084-15-32.002W	FI G 4s		5	Green.	Replaced by can from Dec. 14 to Apr. 14.
14015	FRECHETTE POINT RANGE FRONT LIGHT 91	46-27-20.253N 084-16-46.033W	Q G	38 12		KRW on square skeleton tower.	Visible 1.5° each side of range line.
14020	FRECHETTE POINT RANGE REAR LIGHT 4,481 feet, 323.4° from front light.	46-27-55.766N 084-17-24.193W	F G	93 28		KRW on triangular skeleton tower.	Visible 1.5° each side of range line.
14025	- LIGHT 88	46-26-48.733N 084-16-05.258W	FI R 2.5s	34 10	7	TR on post on concrete foundation.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>MUNUSCONG LAKE TO SAULT STE. MARIE</b>							
<b>Lake Nicolet</b>							
14030	- Lighted Buoy 89	46-26-53.832N 084-16-21.635W	FI G 4s		4	Green.	Year round lighted buoy. AIS MMSI: 993686014
14035	- Buoy 90	46-27-12.241N 084-16-26.333W				Red nun.	
14040	<b>Sugar Island Leading Light</b>	46-24-44.242N 084-13-58.934W	Iso W 6s	50 15	15	KRW on square skeleton tower.	The light is sectored and displays an ISO W 6s light in the channel center, a ISO R 6s Light marking the Port Channel Limits, and a ISO G 6s Light marking the Starboard Channel Limits Downbound.
<b>Little Rapids Cut</b>							
14045	SIX MILE POINT RANGE FRONT LIGHT	46-26-23.796N 084-15-58.804W	F W (NIGHT) F W (DAY)	30 9		KRW on white cylindrical tower.	Lighted throughout 24 hours.
14050	SIX MILE POINT RANGE REAR LIGHT 2,382 feet, 153.1° from front light.	46-26-02.817N 084-15-43.420W	Iso W 6s (NIGHT) Iso W 6s (DAY)	63 19		KRW on square skeleton tower.	Higher intensity on range line. Lighted throughout 24 hours.
14055	- Lighted Buoy 92	46-27-40.656N 084-16-51.013W	FI R 4s		4	Red.	Replaced by nun from Nov. 21 to Apr. 14.
14060	- Junction Lighted Buoy	46-27-38.097N 084-16-57.435W	FI (2+1)G 6s		4	Green and red bands.	Replaced by can from Nov. 21 to Apr. 14.
<b>Little Rapids Channel</b>							
<i>Buoys maintained from May 14 to Nov. 14.</i>							
14065	- Buoy 2	46-27-42.793N 084-17-08.519W				Red nun.	
14070	- Buoy 4	46-27-44.835N 084-17-13.640W				Red nun.	
14075	- Buoy 5	46-27-46.587N 084-17-20.473W				Green can.	
14080	- Buoy 6	46-27-47.468N 084-17-18.774W				Red nun.	
14085	- Buoy 8	46-28-08.580N 084-17-43.027W				Red nun.	
<b>Little Rapids Cut</b>							
14090	- LIGHT 95	46-28-23.462N 084-17-32.496W	FI G 2.5s	18 5	4	SG on column on concrete pier.	
14095	- LIGHT 96	46-28-30.992N 084-17-26.100W	FI R 2.5s	20 6	4	TR on column on concrete pier.	
14100	- LIGHT 98	46-29-07.506N 084-17-53.117W	Q R	25 8	7	TR on triangular tower.	
14105	- Lighted Ice Buoy 98B V-AIS	46-29-20.313N 084-18-06.262W	Q R		4	Red ice buoy.	Marks upstream end of ice boom on eastern side of river. On station only during deployment of ice boom. AIS MMSI: 993683017
14110	- LIGHT 99	46-29-12.137N 084-18-08.299W	F G	32 10	8	SG on skeleton tower.	Visible 120° to 335°.
14115	MISSION POINT OBSTRUCTION LIGHT D	46-29-16.406N 084-17-59.298W	FI W 6s	20 6	5	On post.	
14120	MISSION POINT OBSTRUCTION LIGHT A	46-29-16.796N 084-18-13.128W	FI W 4s	20 6	5	On post.	
14125	MISSION POINT OBSTRUCTION LIGHT E	46-29-21.662N 084-18-03.138W	FI W 4s	20 6	5	On post.	
14130	- Lighted Buoy 101	46-29-21.709N 084-18-17.079W	FI G 4s		3	Green.	Maintained from Apr. 14 to Dec. 7.
14135	- Junction Lighted Buoy LR	46-29-25.710N 084-18-07.162W	FI (2+1)R 6s		4	Red with green band.	Year round buoy unlighted from Dec. 7 to Apr. 14.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>MUNUSCONG LAKE TO SAULT STE. MARIE</b>							
<b>Little Rapids Cut</b>							
14140	MISSION POINT OBSTRUCTION LIGHT B	46-29-25.958N 084-18-24.192W	FI W 6s	20 6	5	On post.	
14145	MISSION POINT OBSTRUCTION LIGHT C	46-29-31.448N 084-18-32.724W	FI W 4s	20 6	5	On post.	
14150	- <i>Lighted Buoy 104</i>	46-29-34.907N 084-18-14.313W	Q R		3	Red.	Year round buoy unlighted from Dec. 7 to Apr. 14.
14155	- <i>Lighted Buoy 105</i>	46-29-32.910N 084-18-31.763W	Q G		3	Green.	Year round buoy unlighted from Dec. 14 to Apr. 14.
<b>HEAD OF LAKE NICOLET TO WHITEFISH BAY (Chart 14884)</b>							
<b>Bayfield Channel</b>							
14160	BAYFIELD ROCK RANGE FRONT LIGHT	46-29-19.994N 084-16-59.144W	F W	35 11		KRW on skeleton tower.	Visible 4° each side of range line. Lighted throughout 24 hours.
14165	BAYFIELD ROCK RANGE REAR LIGHT 922 feet, 109.2° from front light.	46-29-17.001N 084-16-46.697W	F W	54 16		KRW on skeleton tower.	Visible 4° each side of range line. Lighted throughout 24 hours.
14170	- <i>Lighted Buoy 107</i>	46-29-36.930N 084-18-49.925W	FI G 4s		3	Green.	Replaced by can from Nov. 21 to Apr. 14.
14175	- <i>Lighted Buoy 108</i>	46-30-03.123N 084-19-38.105W	FI R 2.5s		3	Red.	Replaced by nun from Nov. 21 to Apr. 14.
14180	- Buoy 109	46-29-35.180N 084-18-55.017W				Green can.	
14185	BAYFIELD DIKE LIGHT (C)		Iso R 4s	25 8		Red and white striped triangular daymark on mast.	Seasonal.
14190	- <i>Lighted Buoy 110</i>	46-30-11.614N 084-19-57.648W	FI R 4s		3	Red.	Replaced by nun from Dec. 14 to Apr. 14.
14191	GEORGE KEMP MARINA EAST LIGHT	46-30-01.200N 084-20-13.740W	FI G 4s	12 4		Metal tower.	Maintained from May 1 to Oct. 31. Private aid.
14192	GEORGE KEMP MARINA WEST LIGHT	46-30-01.800N 084-20-13.740W	FI R 4s	12 4		Piling with metal tower.	Maintained from May 1 to Oct. 31. Private aid.
<b>American Canal</b>							
14195	SOUTHEAST PIERHEAD LIGHT		F R	9 3		Pipe.	Aid maintained by U.S. Army Corps of Engineers.
14200	EAST CENTER PIERHEAD LIGHT Marks direction of pier.		F R	20 6		Concrete column.	Aid maintained by U.S. Army Corps of Engineers.
14205	NORTHEAST PIERHEAD LIGHT		F R	21 6		Concrete column.	Aid maintained by U.S. Army Corps of Engineers.
14210	WEST CENTER PIERHEAD LIGHT		F R	20 6		Concrete column.	Aid maintained by U.S. Army Corps of Engineers.
14215	SOUTHWEST PIER LIGHT		Q W	6 2		Concrete column.	Aid maintained by U.S. Army Corps of Engineers.
14220	SOUTHWEST PIERHEAD LIGHT		F R	20 6		Concrete column.	Aid maintained by U.S. Army Corps of Engineers.
14225	NORTHWEST PIERHEAD LIGHT		F R	20 6		Concrete column.	SIREN: Answers signals. Aid maintained by U.S. Army Corps of Engineers.
<b>Vidal Shoals Channel</b>							
14230	- RANGE FRONT LIGHT	46-30-14.145N 084-22-01.776W	Q R	32 10		KRW on skeleton tower.	Visible 1.5° each side of range line

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>HEAD OF LAKE NICOLET TO WHITEFISH BAY (Chart 14884)</b>							
<b>Vidal Shoals Channel</b>							
14235	- RANGE REAR LIGHT 885 feet, 076.2° from front light.	46-30-16.232N 084-21-49.495W	Iso R 6s	66 20		KRW on skeleton tower.	Visible 1.5° each side of range line.
14245	- <i>Lighted Buoy 2</i>	46-30-10.845N 084-23-05.047W	FI R 4s		3	Red.	Year round buoy unlighted from Nov. 21 to May 1.
14250	- <i>Lighted Buoy 3</i>	46-29-56.532N 084-23-07.361W	FI G 4s		3	Green.	Year round buoy unlighted from Nov. 21 to May 1.
14255	- <i>Lighted Buoy 5</i>	46-29-47.644N 084-23-55.494W	FI G 4s		4	Green.	Replaced by can from Nov. 21 to May 1.
14265	<i>Big Point Lighted Buoy 7</i>	46-29-30.609N 084-25-16.482W	Q G		4	Green.	Year round lighted buoy.
14290	CANADIAN CANAL UPPER ENTRANCE RANGE FRONT LIGHT (C)	46-30-54.032N 084-22-18.030W	F R	40 12		Red square daymark with white vertical stripe on skeleton tower.	Lighted throughout 24 hours. Seasonal.
14295	CANADIAN CANAL UPPER ENTRANCE RANGE REAR LIGHT (C) 811 feet, 051° from front light.		F R	63 19		Red square daymark with white vertical stripe on skeleton tower.	Lighted throughout 24 hours. Seasonal.
14300	- <i>Upper Turning Lighted Buoy QM11 (C)</i>	46-30-42.001N 084-22-31.619W	Q G			Green.	Spar; winter marker. Seasonal.
<b>Vidal Shoals</b>							
14305	- <i>Northeast Lighted Buoy QM13 (C)</i>	46-30-29.050N 084-22-56.119W	FI G 4s			Green.	Spar; winter marker. Seasonal.
14310	- <i>North Lighted Buoy QM14 (C)</i>	46-30-24.645N 084-23-13.451W	FI R 4s			Red.	Spar; winter marker. Seasonal.
14315	- <i>Southwest Lighted Buoy P (C)</i>	46-30-06.040N 084-23-35.363W				IQ W	Yellow with black band. Spar; winter marker. Cardinal buoyage. Seasonal.
14320	- <i>West Lighted Buoy QM24 (C)</i>	46-30-01.821N 084-23-53.639W	FI R 4s			Red.	Spar; winter marker. Seasonal.
<b>Pointe Aux Pins Channel</b>							
14325	POINTE AUX PINS RANGE FRONT LIGHT (C)	46-28-06.032N 084-28-18.030W	F G	30 9		KWR on tower.	Visible on range line only. Seasonal.
14330	POINTE AUX PINS RANGE REAR LIGHT (C) 922 feet, 233.1° from front light.		F G	62 19		KRW on skeleton tower.	Visible on range line only. Seasonal.
14335	- <i>Lighted Buoy 8</i>	46-29-39.385N 084-25-30.192W	FI R 2.5s		4	Red.	Year round lighted buoy.
14337	- <i>Lighted Buoy 9</i>	46-29-04.827N 084-26-08.230W	FI G 4s		4	Green.	Replaced by can from Nov. 21 to May 1.
14340	- <i>Lighted Buoy 10</i>	46-29-14.397N 084-26-18.745W	FI R 4s		4	Red.	Year round buoy unlighted from Nov. 21 to May 1.
14345	<i>Pointe Aux Pins Bay Lighted Buoy P12 (C)</i>	46-28-45.354N 084-27-13.758W	FI R 4s			Red.	Spar; winter marker. Seasonal.
14350	<i>Brush Point Lighted Buoy 13</i>	46-28-23.625N 084-27-28.645W	Q G		4	Green.	Year round buoy unlighted from Dec. 21 to May 1.
14355	BRUSH POINT LIGHT A	46-28-20.583N 084-27-27.140W	Q W	25 8	4	NB on post.	
14360	<i>Pointe Aux Pins Bay Lighted Buoy P14 (C)</i>	46-28-21.903N 084-27-51.920W	FI R 4s			Red.	Spar; winter marker. Seasonal.

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<b>ST. MARYS RIVER</b>							
<b>HEAD OF LAKE NICOLET TO WHITEFISH BAY (Chart 14884)</b>							
<b>Pointe Aux Pins Channel</b>							
14365	<i>Brush Point Lighted Buoy 15</i>	46-28-06.602N 084-27-43.940W	FI G 4s		4	Green.	Replaced by can from Nov. 21 to May 1.
14370	POINTE AUX PINS MAIN LIGHT (C)	46-27-50.832N 084-28-22.330W	Iso R 4s	27 8	8	On circular tower with red and white bands.	Seasonal.
14375	<i>Brush Point Lighted Buoy 17</i>	46-27-43.509N 084-28-04.592W	Q G		4	Green.	Year round buoy unlighted from Dec. 21 to May 1.
14380	<i>Brush Point Lighted Buoy P19 (C)</i>	46-27-28.724N 084-28-41.288W	FI G 4s			Green.	Spar; winter marker. Seasonal.
14385	<i>Point Louise Lighted Buoy P20 (C)</i>	46-27-39.932N 084-28-42.150W	FI R 4s			Red.	Spar; winter marker. Seasonal.
14390	BRUSH POINT RANGE FRONT LIGHT	46-27-44.491N 084-27-46.873W	F R	33 10		KRW on square skeleton tower.	
14395	BRUSH POINT RANGE REAR LIGHT 2,016 feet, 074° from front light.	46-27-49.983N 084-27-19.197W	F R	71 22		KRW on square skeleton tower.	Visible 14° each side of range line. Lighted throughout 24 hours.
14400	<i>Cedar Point Lighted Buoy 21</i>	46-27-15.471N 084-29-42.992W	FI G 4s		3	Green.	Replaced by can from Nov. 21 to May 1.
14405	<i>Cedar Point Lighted Buoy P22 (C)</i>	46-27-27.166N 084-29-46.186W	FI R 4s			Red.	Spar; winter marker. Seasonal.
14410	<i>Cedar Point Lighted Buoy 23</i>	46-27-02.321N 084-30-48.738W	FI G 4s		3	Green.	Replaced by can from Nov. 21 to May 1.
14415	<i>Cedar Point Lighted Buoy 24</i>	46-27-13.585N 084-30-52.099W	FI R 4s		3	Red.	Replaced by nun from Nov. 21 to May 1.
<b>Round Island</b>							
14420	- <i>Lighted Buoy 25</i>	46-26-50.784N 084-31-39.784W	FI G 4s		4	Green.	Year round lighted buoy.
14425	- LIGHT 26	46-27-02.132N 084-31-53.031W	Q R	34 10	5	White cylindrical tower with red band.	RACON: M ( - - )
14430	BIRCH POINT RANGE FRONT LIGHT	46-26-01.333N 084-31-24.124W	F R	63 19		KRW on skeleton tower.	Visible 1.5° each side of range line. Lighted throughout 24 hours.
14435	BIRCH POINT RANGE REAR LIGHT 3,450 feet, 138.6° from front light.	46-25-35.766N 084-30-51.585W	F R	113 34		KRW on skeleton tower.	Visible 1.5° each side of range line. Lighted throughout 24 hours.
14440	- Buoy 27	46-26-43.349N 084-32-17.145W				Green can.	
14445	Point Iroquois Anchorage Buoy "B"	46-26-40.679N 084-33-00.425W				Yellow can.	
14450	- Buoy 30	46-27-11.377N 084-32-23.908W				Red nun.	
14455	- Traffic (RI) V-AIS	46-27-07.055N 084-32-47.477W	(NIGHT)  (DAY)				AIS MMSI: 993683016
14460	- <i>Lighted Buoy 32</i>	46-27-19.543N 084-32-45.740W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 7 to May 1.
<b>Point Iroquois</b>							
14465	- <i>Shoal Lighted Buoy 33</i>	46-27-39.570N 084-33-47.890W	FI G 4s		4	Green.	Replaced by can from Dec 7 to May 1.
14470	- Anchorage Buoy A	46-27-32.470N 084-34-58.923W				Yellow can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ST. MARYS RIVER</b>							
<b>HEAD OF LAKE NICOLET TO WHITEFISH BAY (Chart 14884)</b>							
<b>Point Iroquois</b>							
14473	<i>Pointe De Chenes Lighted Buoy P34 (C)</i>	46-27-54.188N 084-33-28.484W	FI R 4s				
14475	- Shoal Buoy 35	46-28-25.609N 084-34-47.093W				Green can.	
14483	- <i>Lighted Buoy P38 (C)</i>	46-29-11.451N 084-35-07.416W	FI R 4s			Red.	Spar; winter marker. Seasonal.
14485	- Shoal Buoy 37	46-29-01.052N 084-35-32.568W				Green can.	
14490	- <i>Shoal Lighted Bell Buoy 39</i>	46-29-41.974N 084-36-24.610W	Q G		4	Green.	Replaced by can from 07 Dec to 01 May
14495	<b>Gros Cap Reefs Light (C)</b>	46-30-42.032N 084-36-54.031W	FI W 10s	59 18	14	On white square block.	Seasonal. Emergency light.
<b>LAKE SUPERIOR</b>							
<b>ST. MARYS RIVER TO AU SABLE POINT</b>							
14510	<b>Ile Parisienne Light (C)</b>	46-38-42.032N 084-43-24.031W	FI W 10s 1s fl 9s ec.	53 16	16	White hexagonal tower.	Seasonal. Emergency light.
14515	WHITEFISH HARBOR LIGHT 2	46-45-31.982N 084-57-50.179W	FI R 4s	29 9	5	TR on pile.	
14520	WHITEFISH HARBOR LIGHT 3	46-45-33.365N 084-57-53.023W	FI G 4s	29 9	4	SG on pile.	
14525	WHITEFISH HARBOR LIGHT 4	46-45-35.832N 084-57-53.931W	FI R 4s	25 8	4	TR on white column.	
14530	<b>Whitefish Point Light</b>	46-46-16.094N 084-57-26.833W	FI (2)W 20s 0.2s fl 4.8s ec. 0.2s fl 14.8s ec.	80 24	15	White cylindrical tower. 90	RACON: O ( - - - ) Standby light of reduced intensity.
<b>GRAND PORTAGE BAY TO SHESHEEB POINT</b>							
<b>Thunder Bay</b>							
14533	<i>MTU Whitefish Point Weather Wave Buoy 1</i>	46-46-53.717N 085-04-14.972W	FI Y 2.5s				Maintained from May.1 to Dec.1. Private aid.
<b>ST. MARYS RIVER TO AU SABLE POINT</b>							
14535	CRISP POINT LIGHT	46-45-06.900N 085-15-27.180W	FI W 6s				Maintained from May 1 to Nov 1 Private aid.
14540	LITTLE LAKE HARBOR LIGHT 2	46-43-04.436N 085-21-52.160W	FI R 4s	19 6	5		Maintained from Jun.1 to Oct. 1.
14545	LITTLE LAKE HARBOR LIGHT 3	46-42-59.807N 085-21-51.003W	FI G 4s	28 9	4	SG on post.	
14550	<b>Grand Marais Harbor Of Refuge Outer Light</b>	46-41-01.643N 085-58-18.256W	FI W 2.5s	40 12	10	Skeleton tower with upper part enclosed. 41	HORN: 1 blast ev 15s (2s bl). Fog signal operates by keying microphone five times on VHF- FM channel 83A. Operates from May 1 to Oct. 20.
<b>GRAND MARAIS TO BIG BAY POINT</b>							
14551	<i>Grand Marais Weather Wave Buoy 1</i>	46-41-44.000N 086-00-14.000W	FI Y 2.5s				Maintained from Apr.1 to Dec.1. Private aid.
<b>ST. MARYS RIVER TO AU SABLE POINT</b>							
14552	<i>Grand Portal Point Weather Buoy</i>	46-33-41.830N 086-27-56.450W	FI Y 4s				Maintained from Apr. 15 to Nov. 15. Private aid.
14555	GRAND MARAIS HARBOR OF REFUGE LIGHT 1	46-40-50.832N 085-58-09.932W	FI G 4s	24 7	4	SG on post.	
14560	<b>Grand Marais Harbor Of Refuge Inner Light</b>	46-40-36.037N 085-58-16.063W	F W	54 16	16	White square pyramidal skeleton tower with upper part enclosed. 64	
<b>GRAND MARAIS TO BIG BAY POINT</b>							
14565	<b>Au Sable Light</b>	46-40-18.632N 086-08-23.533W	FI W 6s	100 30	12	White conical tower with red dwelling attached. 110	

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<b>LAKE SUPERIOR</b>							
<b>GRAND PORTAGE BAY TO SHESHEEB POINT</b>							
<b>Thunder Bay</b>							
14567	UCSD CDIP - 263 Weather Wave Buoy 1	46-58-21.720N 086-34-55.520W	Fl Y 5s				Maintained from May.1 to Nov.30. Private aid.
<b>GRAND MARAIS TO BIG BAY POINT</b>							
14570	GRAND ISLAND LIGHT	46-33-34.724N 086-40-48.465W	Fl W 6s	190 58	9	On white post.	
14572	Munising Weather Buoy	46-34-12.000N 086-34-12.000W	Fl Y 2.5s				Maintained from Apr. 15 to Nov. 15 Private aid.
14575	MUNISING ENTRANCE LEADING LIGHT	46-24-53.851N 086-39-40.677W	F W	79 24		White conical tower.	Sectored light, white light in the channel center, red light right of channel center, green light left of channel center.
14582	MUNISING CITY PIER LIGHT	46-24-49.080N 086-39-06.960W	Fl R 3s			On white post.	Private aid.
14585	Trout Point Lighted Bell Buoy 2	46-29-05.032N 086-35-47.533W	Fl R 4s		4	Red.	Replaced by nun from Oct. 14 to May 7.
14590	Sand Point Lighted Bell Buoy 3	46-27-35.825N 086-36-44.226W	Fl G 4s		4	Green.	Replaced by can from Oct. 14 to May 7.
14595	Grand Island Harbor Buoy 4	46-27-27.859N 086-37-04.529W				Red nun.	
14600	Bay Furnace Light	46-26-19.633N 086-41-31.497W	Fl W 2.5s	20 6	6	White cylindrical tower. 21	Higher intensity beam on bearing 166°.
14603	Bay Furnace Buoy 2	46-26-33.431N 086-41-18.933W				Red nun.	
14610	Williams Landing Buoy 1	46-26-47.446N 086-40-49.644W				Green can.	
14615	Grand Island Shoal Buoy 1A	46-27-09.421N 086-41-46.172W				Green can.	
<b>MARQUETTE AND PRESQUE ISLE HARBORS (Chart 14970)</b>							
14620	Marquette Bay South Shoal Buoy 1A	46-30-44.236N 087-21-27.350W				Green can.	
14625	Marquette Rocks Buoy 1 Marks northeast side of shoal.	46-32-55.138N 087-22-09.520W				Green can.	Replaced by can from Oct. 14 to May 7.
14630	Marquette Light	46-32-48.111N 087-22-33.794W	Fl W 10s	77 23	10	Red square tower on dwelling.	
14635	Marquette Breakwater Outer Light	46-32-01.711N 087-22-29.074W	Fl W 2.5s	36 11	12 R 12	White cylindrical tower with red band.	Red from 181° to 198°. HORN: 1 blast ev 15s (2s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
14640	MARQUETTE BREAKWATER INNER LIGHT	46-32-12.901N 087-22-43.464W	Fl R 6s	38 12	5	TR on post.	
14645	Marquette Harbor Buoy 1 Marks shoal.	46-31-41.972N 087-22-52.926W				Green can.	
14650	Marquette Power And Light Channel Buoy 1	46-32-01.900N 087-23-07.300W				Green can.	Private aid.
14655	Marquette Power And Light Channel Buoy 2	46-32-06.100N 087-23-08.000W				Red nun-shaped spar.	Private aid.
14656	Marquette Power And Light Range Front Daybeacon	46-31-56.100N 087-23-36.500W				Orange and white diamond.	Private aid.
14657	Marquette Power And Light Range Rear Daybeacon 100 feet, 250° from front range beacon.	46-31-55.500N 087-23-38.600W				Orange and white diamond.	Private aid.
14660	Marquette Harbor Buoy 3	46-32-10.141N 087-23-08.566W				Green can.	
14665	Marquette Harbor Buoy 5	46-32-19.291N 087-23-08.496W				Green can.	
14666	Marquette Harbor Buoy 7	46-32-31.238N 087-23-08.443W				Green can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>MARQUETTE AND PRESQUE ISLE HARBORS (Chart 14970)</b>							
14667	MARQUETTE MARINA ENTRANCE LIGHT 1	46-32-34.510N 087-23-02.520W	FI G 2.5s			SG on blue pole.	Maintained from Mar. 1 to Nov. 30. Private aid.
14668	MARQUETTE MARINA ENTRANCE LIGHT 2	46-32-33.420N 087-23-01.820W	FI R 2.5s			TR on blue pole.	Maintained from Mar. 1 to Nov. 30. Private aid.
14670	<b>Presque Isle Harbor Breakwater Light</b>	46-34-28.141N 087-22-28.214W	FI R 4s	56 17	11	White cylindrical tower with red band on octagonal building. 56	HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Fog Signal operates by keying the microphone five times on VHF- FM Channel 83A.
14680	<i>Presque Isle Harbor Lighted Buoy 1</i> Marks north side of shoal.	46-34-08.055N 087-23-03.607W	FI G 4s		4	Green.	Replaced by can from Oct. 14 to May 7.
14685	<i>Wisconsin Electric Power Company Lighted Buoy 3</i>	46-34-33.800N 087-23-16.200W	Q G			Green.	Maintained from Apr. 1 to Dec. 1. Private aid.
14688	PRESQUE ISLE MARINA LIGHT 1	46-34-49.700N 087-23-09.000W	F G			SG on building.	Maintained from May 1 to Oct. 31. Private aid.
14690	PRESQUE ISLE MARINA LIGHT 2	46-34-51.000N 087-23-06.000W	FI R 4s	12 4		TR on red steel pile.	Maintained from May 1 to Oct. 31. Private aid.
14695	Presque Isle Harbor Buoy 2 Marks shoal.	46-34-34.199N 087-22-49.681W				Red nun.	
14696	<i>Presque Isle Weather Wave Buoy 1</i>	46-35-53.000N 087-22-19.000W	FI Y 2.5s				Maintained from Apr. 1 to Dec. 1. Private aid.
<b>GRAND MARAIS TO BIG BAY POINT</b>							
14700	<b>Granite Island Light</b>	46-43-15.231N 087-24-45.634W	FI W 6s	96 29	11	Gray skeleton tower. 50	
14702	<i>Granite Island Weather Buoy</i>	46-43-12.000N 087-25-12.000W	FI Y 4s				Maintained from Apr. 15 to Nov. 15. Private aid.
14705	<b>Big Bay Point Light</b>	46-50-31.150N 087-40-45.320W	FI W 5s			Red Square Tower 60	Private aid.
14710	Big Bay Point Buoy 1 Marks north side of shoal.	46-51-41.749N 087-41-15.502W				Green can.	Maintained from May 14 to Oct. 14.
14715	BIG BAY HARBOR WEST PIER LIGHT	46-49-48.031N 087-43-29.434W	FI R 4s	25 8	5	TR on column.	
14720	Big Bay Harbor East Pier Daybeacon	46-49-41.331N 087-43-32.034W				SG on column.	
14725	<b>Stannard Rock Light</b> Marks north side of reef.	47-11-00.652N 087-13-30.454W	FI W 6s	102 31	10	Gray conical tower on cylindrical crib. 110	
<b>BIG BAY POINT TO REDRIDGE</b>							
14730	<b>Huron Island Light</b>	46-57-47.951N 087-59-55.445W	FI W 10s	197 60	12	Gray granite tower on dwelling. 39	
14735	Point Abbaye Shoal Buoy 6	46-57-29.892N 088-05-51.547W				Red nun.	
14740	<i>Point Abbaye Shoal Lighted Bell Buoy 3</i>	46-58-22.555N 088-06-15.476W	FI G 4s		5	Green.	Maintained from May 14 to Oct. 14.
14745	HURON BAY LIGHT	46-53-28.031N 088-12-53.035W	FI W 4s	34 10	6	NG on skeleton tower.	
14750	SAND POINT LIGHT	46-47-00.277N 088-27-59.345W	FI W 4s	40 12	6	NR on skeleton tower.	
14755	L'Anse Bay Shoal Buoy 2	46-46-46.471N 088-28-04.955W				Red nun.	Maintained from May 14 to Oct. 14.
14760	L'Anse Buoy 1	46-45-33.400N 088-27-33.592W				Green can.	Maintained from May 14 to Oct. 14.
14762	L'ANSE MARINA LIGHT 2	46-45-28.000N 088-27-26.000W	FI R 4s	8 2		TR on pile.	Maintained from May 1 to Nov. 1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>BIG BAY POINT TO REDRIDGE</b>							
14763	<b>Indian Country Sports Light</b>	46-45-28.200N 088-27-21.300W	FI W 2.5s	44 13		Cupola atop white square tower.	Private aid.
14764	<i>Keweenaw MTU Weather Buoy 2</i>	46-58-06.012N 088-23-48.006W	FI W 4s				Maintained from Apr.1 to Dec.15. Private aid.
<b>KEWEENAW WATERWAY (Chart 14972)</b>							
<b>Keweenaw Waterway</b>							
14765	- LOWER ENTRANCE LIGHT	46-58-08.017N 088-25-51.596W	FI W 6s	68 21	9	White octagonal tower on concrete pierhead.	Standby light of reduced intensity. HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
14775	- <i>Lighted Buoy 1</i>	46-58-05.449N 088-25-59.803W	FI G 4s		4	Green.	
14780	- <i>Lighted Buoy 3</i>	46-58-25.099N 088-26-01.465W	FI G 4s		4	Green.	
14780.1	- Buoy 3A	46-58-47.209N 088-26-06.155W				Green can.	Maintained from May 14 to Oct. 14.
14785	- <i>Lighted Buoy 4</i>	46-58-56.672N 088-26-03.682W	FI R 4s		3	Red.	Year round buoy unlighted from Nov 14 to May 14.
14790	- LIGHT 5	46-58-54.907N 088-26-08.706W	FI G 2.5s	14 4	4	SG on white pile.	
14795	- Daybeacon 7	46-59-00.273N 088-26-08.985W				SG on skeleton tower.	
14800	- Daybeacon 9	46-59-20.008N 088-26-11.018W				SG on skeleton tower.	
14805	- LIGHT 10	46-59-21.921N 088-26-01.725W	FI R 2.5s	14 4	4	TR on post.	
14810	- LIGHT 11 Marks northwest end of Middle Ground.	46-59-24.255N 088-26-08.962W	FI G 2.5s	14 4	4	SG on white pile.	
14815	- LIGHT 13	46-59-31.959N 088-26-09.335W	Q G	14 4	4	SG on white pile.	
14820	- SOUTH RANGE FRONT LIGHT	46-59-36.530N 088-26-03.496W	Q W	25 8		KRW on gray skeleton tower.	Light visible 360°.
14825	- SOUTH RANGE REAR LIGHT 1,673 feet, 136.2° from front light.	46-59-24.616N 088-25-46.785W	Iso W 6s	57 17		KRW on gray skeleton tower.	Visible 1.5° each side of range line.
14830	- LIGHT 15	46-59-43.651N 088-26-16.705W	FI G 2.5s	14 4	4	SG on white pile.	
14835	- LIGHT 17	47-00-07.911N 088-26-50.665W	FI G 2.5s	14 4	4	SG on white pile.	
14840	- LIGHT 16	47-00-10.369N 088-26-46.919W	FI R 2.5s	14 4	4	TR on white pile.	
14845	- LIGHT 19	47-00-41.091N 088-27-37.205W	FI G 2.5s	14 4	4	SG on post.	
14847	<i>Portage Lake MTU Weather Buoy 1</i>	47-03-49.284N 088-30-04.931W	FI Y 5s				Maintained from May.1 to Oct.1. Private aid.
14850	- LIGHT 18	47-00-43.831N 088-27-33.045W	FI R 2.5s	14 4	4	TR on white pile.	
14855	- LIGHT 20	47-01-13.645N 088-28-15.747W	Q R	14 4	4	TR on white pile.	
14860	PRINCESS POINT RANGE FRONT LIGHT	47-01-17.562N 088-28-29.335W	Q W	20 6		KRW on gray skeleton tower.	Light visible 360°. Higher intensity on range line.
14865	PRINCESS POINT RANGE REAR LIGHT 1,142 feet, 164.7° from front light.	47-01-06.697N 088-28-24.975W	Iso W 6s	41 13		KRW on gray skeleton tower.	Visible 1.5° each side of range line.
14870	- LIGHT 22	47-01-34.785N 088-28-33.282W	FI R 2.5s	13 4	4	TR on white pile.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>KEWEENAW WATERWAY (Chart 14972)</b>							
<b>Keweenaw Waterway</b>							
14875	- Buoy 24	47-01-50.874N 088-28-40.282W				Red nun.	Maintained from May 14 to Oct 14.
14880	- LIGHT 25	47-01-50.233N 088-28-46.046W	FI G 2.5s	15 5	4	SG on white pile.	
14885	- Buoy 26	47-02-19.751N 088-28-51.059W				Red nun.	
14890	- <i>Lighted Buoy 27</i>	47-02-18.972N 088-28-55.909W	Q G		4	Green.	Year round buoy unlighted from Nov 14 to May 14.
14895	Pike Bay Obstruction Beacons (5)	47-01-41.000N 088-31-13.000W				NW on posts worded DANGER SUBMERGED PILINGS.	Private aid.
14900	- <i>Junction Lighted Buoy "KW"</i>	47-04-19.020N 088-29-25.110W	FI (2+1)R 6s		4	Red and green bands.	Year round buoy unlighted from Nov 14 to May 14.
<b>Torch Lake Canal</b>							
14905	- Buoy 1	47-05-42.549N 088-25-38.290W				Green can.	
14906	- <i>Lighted Buoy 2</i>	47-05-50.071N 088-25-13.985W	FI R 4s		4	Red nun.	
14907	- Buoy 3	47-06-49.031N 088-24-35.035W				Green can.	
14908	- Buoy 4	47-06-49.031N 088-24-29.035W				Red nun.	
14911	- Buoy 5	47-07-37.051N 088-24-23.005W				Green can.	
14914	- Buoy 7	47-08-01.851N 088-24-18.255W				Green can.	
14915	- Buoy 8	47-08-02.109N 088-24-16.690W				Red nun.	
14915.5	- <i>Lighted Buoy 9</i>	47-08-10.621N 088-24-19.075W	FI G 4s		4	Green can.	
14916	- Buoy 10	47-08-24.481N 088-24-22.695W				Red nun.	
14917	- Buoy 11	47-08-34.001N 088-24-28.455W				Green can.	
14918	- Buoy 12	47-09-00.931N 088-24-40.276W				Red nun.	
14919	- Buoy 13	47-09-00.729N 088-24-41.831W				Green can.	
14922	- <i>Lighted Buoy 14</i>	47-09-26.169N 088-24-53.531W	FI R 2.5s		4	Red nun.	
14923	- Buoy 15	47-09-26.231N 088-24-55.906W				Green can.	
14925	Lake Linden Harbor Buoy 1	47-10-35.784N 088-24-32.038W				Green can.	
<b>Keweenaw Waterway</b>							
14926	Torch Lake Southwest Arm Wreck Buoy 2	47-08-59.121N 088-27-02.656W				Red nun.	Maintained from May 14 to Oct 14.
14935	- Buoy 30 Marks west side of shoal.	47-05-19.780N 088-29-53.017W				Red nun.	
14937	- Buoy 30A	47-06-05.350N 088-30-02.612W				Red nun.	Maintained from May 14 to Oct 14.
14940	PILGRIM POINT LEADING LIGHT	47-06-23.993N 088-30-26.475W	FI W 4s	22 7	9	NB on post.	Higher intensity beam on bearing 165°.
14945	- <i>Lighted Buoy 31</i>	47-06-32.445N 088-30-19.870W	Q G		3	Green.	Year round buoy unlighted from Nov 14 to May 14.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>KEWEENAW WATERWAY (Chart 14972)</b>							
<b>Keweenaw Waterway</b>							
14950	- Lighted Buoy 33	47-07-04.191N 088-31-56.418W	FI G 2.5s		4	Green can.	Maintained from May 14 to Oct 14
14955	- Buoy 34	47-07-21.479N 088-32-47.587W				Red nun.	Maintained from May 14 to Oct 14.
14960	- Lighted Buoy 35	47-07-17.594N 088-32-48.563W	FI G 4s		4	Green.	Year round buoy unlighted from Nov 14 to May 14.
14965	- Buoy 36	47-07-26.794N 088-33-08.565W				Red nun.	
14970	OSCEOLA POINT LIGHT	47-07-22.680N 088-35-39.219W	Q R	20 6	4	TR on post.	
14975	Atlantic Point Lighted Buoy 37	47-07-30.008N 088-36-28.160W	FI G 4s		4	Green.	Year round buoy unlighted from Nov 14 to May 14.
14980	- Buoy 39	47-07-33.298N 088-36-59.651W				Green can.	
14985	- Buoy 40	47-07-39.718N 088-36-58.811W				Red nun.	Maintained from May 14 to Oct 14.
14990	- Lighted Buoy 42	47-07-49.237N 088-37-11.303W	FI R 4s		4	Red.	Year round buoy unlighted from Nov 14 to May 14.
14995	COLE CREEK LIGHT	47-07-45.434N 088-37-19.406W	FI G 2.5s	25 8	5	SG on post.	
15000	- Buoy 44	47-07-58.187N 088-37-20.464W				Red nun.	Maintained from May 14 to Oct 14.
15005	- Buoy 46	47-08-14.262N 088-37-28.217W				Red nun.	Maintained from May 14 to Oct 14.
15010	- Buoy 48	47-09-10.538N 088-37-47.714W				Red nun.	
15015	- Lighted Buoy 49	47-09-28.531N 088-37-58.946W	FI G 4s		3	Green.	Year round buoy unlighted from Nov 14 to May 14.
15025	- Lighted Buoy 50	47-09-59.816N 088-38-19.967W	FI R 4s		3	Red.	Year round buoy unlighted from Nov 14 to May 14.
15030	- Lighted Buoy 51	47-10-13.750N 088-38-28.654W	FI G 2.5s		3	Green.	Year round buoy unlighted from Nov 14 to May 14.
15035	- Buoy 52	47-10-12.107N 088-38-20.842W				Red nun.	Maintained from May 14 to Oct 14.
15040	ROULEAU POINT RANGE FRONT LIGHT	47-11-33.249N 088-37-07.901W	Q W	26 8		KRW on skeleton tower.	Light visible 360°. Also serves as a leading light for Lily Pond Lower Canal.
15045	ROULEAU POINT RANGE REAR LIGHT 1,282 feet, 033.4° from front light.	47-11-43.809N 088-36-57.671W	F W	55 17		KRW on skeleton tower.	Visible 1.5° each side of range line.
15050	- Buoy 54	47-10-23.131N 088-38-13.496W				Red nun.	Maintained from May 14 to Oct 14.
15055	- Buoy 55	47-10-29.268N 088-38-12.715W				Green can.	
15060	- Buoy 56	47-10-52.351N 088-37-45.306W				Red nun.	Maintained from May 14 to Oct 14.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>KEWEENAW WATERWAY (Chart 14972)</b>							
<b>Keweenaw Waterway</b>							
15065	- Buoy 57	47-10-52.346N 088-37-50.111W				Green can.	Maintained from May 14 to Oct 14.
15070	- Buoy 59	47-11-18.755N 088-37-24.815W				Green can.	Maintained from May 14 to Oct 14.
15075	- Buoy 60	47-11-22.101N 088-37-17.110W				Red nun.	Maintained from May 14 to Oct 14.
15080	- <i>Lighted Buoy 61</i>	47-11-28.053N 088-37-18.273W	FI G 2.5s		3	Green.	Year round buoy unlighted from Nov 14 to May 14.
15085	LILY POND LEADING LIGHT	47-12-00.679N 088-37-05.064W	FI R 2.5s	25 8	6	TR on post.	
15090	- Buoy 63	47-11-51.707N 088-37-10.629W				Green can.	Maintained from May 14 to Oct 14.
15095	LILY POND SOUTH LIGHT 68	47-12-30.082N 088-37-06.379W	FI R 4s	25 8	5	TR on post.	
15100	LILY POND NORTH LIGHT 70	47-13-00.991N 088-37-08.766W	Q R	25 8	5	TR on post.	
<b>Keweenaw Upper Entrance</b>							
15105	- EAST REVETMENT LIGHT 72	47-13-36.091N 088-37-32.416W	FI R 4s	25 8	5	TR on post.	
15110	- WEST REVETMENT LIGHT	47-13-34.361N 088-37-37.816W	FI G 4s	25 8	5	SG on post.	
15115	- WEST BREAKWATER LIGHT	47-14-01.971N 088-37-56.656W	FI G 4s	32 10	5	SG on post.	
15120	- <b>Light</b>	47-14-04.351N 088-37-49.246W	FI W 15s	82 25	15	White square tower on cylindrical base.	HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM Channel 83A.
<b>BIG BAY POINT TO REDRIDGE</b>							
15125	<i>Keweenaw MTU Weather Buoy 1</i>	47-16-04.001N 088-36-14.016W	FI W 4s				Maintained from Apr. 1 to Dec. 15. Private aid.
15130	GRAND TRAVERSE BAY HARBOR LIGHT 2	47-11-18.031N 088-14-06.035W	FI (2)R 5s 0.4s fl 0.6s ec. 0.4s fl 3.6s ec.	29 9	7	TR on post.	
15135	GRAND TRAVERSE BAY HARBOR LIGHT 3	44-11-19.730N 088-14-08.033W	FI G 2.5s	27 8	4	SG on post.	
15140	Bete Grise Bay Shoal Buoy 1	47-21-29.707N 087-55-30.035W				Green can.	
15145	LAC LA BELLE SOUTH PIERHEAD LIGHT	47-22-27.331N 087-57-46.035W	FI G 4s	29 9	7	SG on post.	
15150	LAC LA BELLE NORTH PIERHEAD LIGHT	47-22-31.231N 087-57-48.235W	FI R 4s	25 8	4	2 TR on gray pole.	
15151	<b>Mendota Light</b>	47-22-26.500N 087-58-00.100W	FI W 20s	44 13		Square buff-brick tower in front of dwelling with steep gable roof.	Private aid.
15155	<i>Keweenaw Point Lighted Buoy 1</i>	47-23-46.209N 087-42-31.973W	FI G 4s		4	Green.	Maintained from May 14 to Oct 14.
15160	Gull Rock Buoy 4	47-24-30.726N 087-40-01.882W				Red nun.	
15165	GULL ROCK LIGHT	47-25-03.032N 087-39-50.035W	FI (2)W 5s 0.4s fl 0.6s ec. 0.4s fl 3.6s ec.	50 15	8	White square tower on dwelling.	
15170	<b>Manitou Light</b>	47-25-11.332N 087-35-12.645W	FI W 10s	81 25	10	Cylindrical tower.	RACON: M ( - - )
15175	<b>Copper Harbor Light</b>	47-28-28.132N 087-51-36.935W	FI G 6s	90 27	14	On white skeleton tower near white dwelling.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>BIG BAY POINT TO REDRIDGE</b>							
15180	<i>Copper Harbor Entrance Lighted Bell Buoy CH</i>	47-28-41.126N 087-51-52.206W	Mo (A) W		6	Red and white stripes.	Maintained from May 14 to Oct. 14.
15183	<i>GLoS Copper Harbor Weather Buoy 1</i>	47-28-36.480N 087-52-13.440W	Fl Y 2.5s				Maintained from Apr.1 to Nov.1. Private aid.
15185	COPPER HARBOR RANGE FRONT LIGHT	47-28-07.424N 087-51-59.285W	Q W	28 9		KWR on red small house with tower.	Visible 14° each side of range line.
15190	COPPER HARBOR RANGE REAR LIGHT 412 feet, 190.5° from front light.	47-28-03.424N 087-52-00.376W	F W	40 12		KWR on white tapered skeleton tower.	Visible 14° each side of range line.
15191	Copper Harbor Crib Buoy	47-28-12.000N 087-53-03.000W				White with orange bands and orange diamond.	Maintained from May 15 to Oct. 15. Private aid.
15192	Copper Harbor Shoal Buoy	47-28-17.000N 087-53-42.000W				White with orange bands and orange diamond.	Maintained from May 15 to Oct. 15. Private aid.
15195	<b>Eagle Harbor Light</b>	47-27-35.161N 088-09-32.735W	Al WR 20s	60 18	23	White octagonal tower on red dwelling.	Obscured 150° to 330°.
15205	<i>Eagle Harbor Shoal Lighted Bell Buoy 1</i>	47-27-50.109N 088-09-30.275W	Fl G 4s		5	Green.	Maintained from May 14 to Oct. 14.
15210	EAGLE HARBOR RANGE FRONT LIGHT	47-27-18.480N 088-09-05.286W	Q G	24 7		KRW on post.	Visible 4° each side of range line.
15215	EAGLE HARBOR RANGE REAR LIGHT 1055 feet, 149.7° from front light.	47-27-09.488N 088-08-57.547W	Iso G 6s	44 13		KRW on gray tower.	Visible 4° each side of range line.
<b>REDRIDGE TO SAXON HARBOR</b>							
15220	ONTONAGON HARBOR EAST BREAKWATER LIGHT	46-52-47.071N 089-19-47.822W	Iso G 6s	25 8	6	SG on pile.	
15220.1	Ontonagon Harbor East Breakwater VAIS 1	46-52-47.071N 089-19-47.822W					MMSI: 993682620
15225	ONTONAGON HARBOR WEST BREAKWATER LIGHT	46-52-46.111N 089-19-51.076W	Fl R 4s	31 9	8	White skeleton tower with upper part enclosed.	HORN: 2 blasts ev 60s (3s bl-3s si-3s bl-51s si). Operates by keying microphone five times on VHF-FM Ch. 83A.
<b>GRAND PORTAGE BAY TO SHESHEEB POINT</b>							
<b>Thunder Bay</b>							
15228	<i>MTU Ontonagon Weather Wave Buoy 1</i>	46-55-55.199N 089-20-58.374W	Fl Y 2.5s				Maintained from May.1 to Dec.1. Private aid.
<b>REDRIDGE TO SAXON HARBOR</b>							
15230	BLACK RIVER EAST BREAKWATER LIGHT 1	46-40-08.712N 090-02-56.299W	Fl G 4s	31 9	8	SG on post.	
15235	<i>Black River West Breakwater Lighted Buoy 2</i>	46-40-06.446N 090-02-56.068W	Fl R 4s	18 5	3	TR on tower.	Lighted Buoy replaced Light on BKW. Maintained from May 28 to Oct. 14.
15240	Black River Buoy 3	46-40-06.165N 090-02-54.180W				Green can.	Maintained from May 21 to Oct. 21.
15245	SAXON HARBOR EAST BREAKWATER LIGHT	46-33-49.200N 090-26-16.557W	Fl G 6s	29 9	7	SG on post.	
15250	SAXON HARBOR WEST BREAKWATER LIGHT	46-33-47.100N 090-26-17.107W	Fl R 6s	29 9	7	TR on white column.	
<b>LAKE MICHIGAN</b>							
<b>LITTLE GIRLS POINT TO SILVER BAY</b>							
15253	<i>UMN Bark PT Meteorological Buoy 1</i>	46-53-54.000N 091-08-42.000W	Fl Y 4s				Maintained from May.1 to Oct.31. Private aid.
<b>LAKE SUPERIOR</b>							
<b>APOSTLE ISLANDS</b>							
15255	<b>Outer Island Light</b>	47-04-35.530N 090-25-00.148W	Fl W 10s	130 40	12	White conical tower with dwelling attached. 130	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>APOSTLE ISLANDS</b>							
<b>Chequamegon Bay</b>							
15256	WISC Apostle Island MSC Wave Buoy 1	46-54-31.979N 091-02-12.059W	FI Y 4s				Private aid.
<b>APOSTLE ISLANDS</b>							
15258	Stockton Island Wave Buoy 1	46-57-15.000N 090-30-16.000W	FI Y 2s				Maintained from May.1 to Nov.15. Private aid.
15260	GULL ISLAND LIGHT	46-54-24.030N 090-26-36.037W	FI W 2.5s	12 4	5		
15265	STOCKTON ISLAND HARBOR EAST ENTRANCE LIGHT	46-54-50.000N 090-33-05.500W	FI G 2.5s	18 5		SG on post.	Private aid.
15270	STOCKTON ISLAND HARBOR WEST ENTRANCE LIGHT	46-54-48.000N 090-33-07.000W	FI R 2.5s	18 5		TR on post.	Private aid.
<b>Chequamegon Bay</b>							
15273	WISC Apostle Island Presque ISD PT Wave Buoy 4	46-54-17.856N 090-32-36.024W	FI Y 4s				Private aid.
<b>APOSTLE ISLANDS</b>							
15275	Michigan Island Light	46-52-17.184N 090-29-49.583W	FI W 6s	170 52	11	White cylindrical tower. 11	
15280	LA POINTE LIGHT	46-43-43.389N 090-47-05.735W	Iso G 6s	70 21	10	White cylindrical tower.	
15290	Madeline Island Lighted Buoy 4 Marks west side of shoal.	46-44-57.985N 090-48-01.054W	FI R 4s		4	Red.	Nun; winter marker. Maintained from May 21 to Nov. 21.
<b>Chequamegon Bay</b>							
15293	WISC Apostle Island Long ISD PT Wave Buoy 5	46-43-57.000N 090-48-45.000W	FI Y 4s				Private aid.
<b>APOSTLE ISLANDS</b>							
15295	CHEQUAMEGON POINT LIGHT	46-43-42.580N 090-48-33.418W	FI G 4s	33 10	7	White cylindrical tower.	
15296	Chequamegon Point Lighted Buoy 5	46-43-46.075N 090-48-50.080W	FI G 4s		7	Green	Replaced by can from Nov. 21 to May 21.
<b>Chequamegon Bay</b>							
15300	Houghton Point Lighted Buoy 6	46-41-48.406N 090-50-45.217W	FI R 4s		4	Red.	Maintained from May 21 to Nov. 21.
15305	- Lighted Buoy 1 Marks west side of shoal.	46-39-54.885N 090-51-33.558W	FI G 4s		4	Green.	Maintained from May 21 to Nov. 21.
<b>ASHLAND AND WASHBURN HARBORS</b>							
<b>Chequamegon Bay</b>							
<b>Ashland Harbor</b>							
15310	- BREAKWATER LIGHT	46-37-41.508N 090-52-14.238W	FI W 6s	60 18	9	White octagonal pyramidal tower.	
15315	- BREAKWATER SOUTH LIGHT	46-37-03.923N 090-50-32.924W	FI R 4s	21 6	5	White pile.	
15390	ASHLAND ORE DOCK LIGHT	46-36-10.660N 090-52-56.880W	Q Y			Diamond daymark on a pile.	Private aid.
15395	NORTHERN POWER LIGHT 1	46-35-48.050N 090-53-13.110W	FI Y 4s				Private aid.
15395.1	NORTHERN POWER LIGHT 2	46-35-45.510N 090-53-14.980W	FI Y 4s				Private aid.
15395.2	NORTHERN POWER LIGHT 3	46-35-51.670N 090-53-02.340W	FI Y 4s				Private aid.
15400	Reiss Coal Co. Dock Buoy 2	46-35-39.500N 090-53-50.000W				Red spar.	Maintained from Apr. 1 to Dec. 1. Private aid.
15404	ASHLAND MARINA SOUTH BREAKWATER LIGHT	46-35-34.195N 090-53-16.770W	FI W 2.5s	17 5		NW on post worded DANGER.	Maintained from May 1 to Nov. 1. Private aid.
15405	ASHLAND MARINA LIGHT 1	46-35-39.800N 090-53-18.000W	FI G 2.5s	20 6		SG on post.	Maintained from May 1 to Nov. 1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>ASHLAND AND WASHBURN HARBORS</b>							
<b>Chequamegon Bay</b>							
<b>Ashland Harbor</b>							
15406	ASHLAND MARINA LIGHT 2	46-35-41.198N 090-53-23.550W	FI R 2.5s	21 6		TR on post.	Maintained from May 1 to Nov. 1. Private aid.
15410	ASHLAND MARINA BREAKWATER LIGHT	46-35-43.100N 090-53-19.500W	Q W	20 6		NW on post worded DANGER.	Maintained from May 1 to Nov. 1. Private aid.
15420	WASHBURN HARBOR SOUTH BREAKWATER LIGHT 2	46-40-01.800N 090-53-17.000W	FI R 4s	20 6		TR on post.	Maintained from Apr. 1 to Dec. 1. Private aid.
15425	WASHBURN HARBOR NORTH BREAKWATER LIGHT 1	46-40-02.900N 090-53-16.900W	FI G 4s	20 6		SG on post.	Maintained from Apr. 1 to Dec. 1. Private aid.
15430	SIXTH AVENUE BREAKWALL LIGHT	46-39-57.000N 090-54-19.000W	F Y	7 2		On post.	Maintained from Apr. 1 to Dec. 1. Private aid.
<b>APOSTLE ISLANDS</b>							
15440	MADELINE ISLAND MARINA ENTRANCE SOUTH LIGHT	46-46-20.800N 090-47-01.400W	FI R 4s	15 5		TR on white metal frame.	Maintained from May 1 to Nov. 1. Private aid.
15445	MADELINE ISLAND MARINA ENTRANCE NORTH LIGHT	46-46-21.500N 090-46-58.600W	FI W 4s	15 5		Green square daymark on white metal frame.	Maintained from May 1 to Nov. 1. Private aid.
15450	LAPOINTE HARBOR DETACHED BREAKWATER WEST LIGHT	46-46-40.000N 090-47-23.800W	Q W	26 8		On post.	Private aid.
15455	LAPOINTE HARBOR DETACHED BREAKWATER EAST LIGHT	46-46-40.200N 090-47-20.100W	Q W	26 8		On post.	Private aid.
15460	MADELINE ISLAND BREAKWATER LIGHT	46-46-43.180N 090-47-20.888W	FI G 4s	28 9	6	SG on pole.	
<b>Port Superior Marina</b>							
<i>Aids maintained from Apr. 15 to Nov. 1.</i>							
15470	- Buoy 2	46-47-20.600N 090-50-59.000W				Red.	Private aid.
15475	- Buoy 4	46-47-20.700N 090-51-00.300W				Red.	Private aid.
15480	- Buoy 5	46-47-19.800N 090-51-02.600W				Green.	Private aid.
15485	- Buoy 6	46-47-20.600N 090-51-02.200W				Red.	Private aid.
15490	- LIGHT 7	46-47-19.600N 090-51-03.900W	FI G 4s	15 5		On pile.	Private aid.
15495	- LIGHT 8	46-47-20.200N 090-51-05.700W	FI R 4s	15 5		On pile.	Private aid.
<b>APOSTLE ISLANDS</b>							
15500	Bayfield Ruins Buoy 1	46-48-08.590N 090-49-26.038W				Green can.	Maintained from May 21 to Oct. 21.
15505	MATTSON LIGHT	46-48-22.400N 090-49-14.300W	FI R 2.5s	13 4		Diamond daymark on pile.	Maintained from May 1 to Nov. 1. Private aid.
15510	BAYFIELD HARBOR SOUTH BREAKWATER LIGHT	46-48-34.650N 090-48-41.088W	FI G 4s	25 8	7	SG on post.	HORN: 1 blast ev 15s (2s bl). Operates by keying the microphone five times on VHF-FM channel 83A.
15520	BAYFIELD HARBOR NORTH BREAKWATER LIGHT	46-48-36.010N 090-48-39.368W	FI R 4s	28 9	6	TR on white column.	
15525	BAYFIELD MUNICIPAL BREAKWATER LIGHT	46-48-41.300N 090-48-41.000W	Iso G 6s	25 8		On pile.	Maintained from Apr. 15 to Dec. 15. Private aid.
15527	BAYFIELD FERRY LANDING BREAKWALL LIGHT 2	46-48-43.140N 090-48-38.940W	FI R 4s			TR on post.	Maintained from Apr. 15 to Nov. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>APOSTLE ISLANDS</b>							
<b>Red Cliff</b>							
15530	- BREAKWATER LIGHT	46-50-10.000N 090-47-16.000W	FI R 4s	18 5		On pile.	Maintained from May 1 to Nov. 1. Private aid.
15545	- <i>Point Lighted Buoy 4</i>	46-53-40.530N 090-44-47.538W	FI R 4s		4	Red.	Maintained from May 21 to Oct. 14.
<b>APOSTLE ISLANDS</b>							
15550	LITTLE MANITOU ISLAND LIGHT	46-57-42.380N 090-41-10.898W	FI G 4s	21 6	6	SG on skeleton tower.	
15555	RASPBERRY ISLAND LIGHT	46-58-13.230N 090-48-17.508W	FI W 2.5s	58 18	7		
15560	Marina Shoal Buoy 3	46-58-10.634N 090-48-33.870W				Green can.	
15565	<b>Devils Island Light</b>	47-04-46.318N 090-43-41.168W	FI R 10s	100 30	11	Cylindrical tower. 100	
<b>Chequamegon Bay</b>							
15566	<i>WISC Apostle Island DI Wave Buoy 3</i>	46-05-02.832N 090-43-32.664W	FI Y 4s				Private aid.
<b>APOSTLE ISLANDS</b>							
15570	<i>York Island Shoals Lighted Bell Buoy 1</i> Marks west side of shoal.	47-01-35.172N 090-51-22.615W	FI G 4s		4	Green.	Maintained from May 21 to Oct. 14.
15573	<i>Sand Island Wave Buoy 1</i>	47-01-19.704N 090-54-24.372W	Q Y				Maintained from May.1 to Nov.15. Private aid.
15574	<i>Sand Island Wave Buoy 2</i>	46-57-14.022N 090-54-40.680W	Q Y				Maintained from May.1 to Nov.15. Private aid.
15575	Sand Island Buoy 2 Marks north side of shoal.	47-00-51.492N 090-54-17.608W				Red nun.	Maintained from May 21 to Oct. 14.
15580	SAND ISLAND LIGHT	47-00-11.940N 090-56-14.758W	FI W 6s	60 18	9	Red tower on dwelling.	
15581	LITTLE SAND BAY HARBOR EAST LIGHT 1	46-56-47.840N 090-53-31.080W	FI G 2.5s	17 5		On post.	Private aid.
15582	LITTLE SAND BAY HARBOR WEST LIGHT 2	46-56-47.220N 090-53-32.880W	FI R 2.5s	17 5		On post.	Private aid.
<b>Chequamegon Bay</b>							
15583	<i>WISC Apostle Island LSB Wave Buoy 2</i>	46-57-18.000N 090-54-45.961W	FI Y 4s				Private aid.
<b>APOSTLE ISLANDS</b>							
15584	Cornucopia West Entrance Buoy 2 Marks best water due to shoaling.	46-51-34.140N 091-06-16.260W				Red nun.	Maintained from May 1 to Oct. 15. Private aid.
<b>LITTLE GIRLS POINT TO SILVER BAY</b>							
15585	CORNUCOPIA EAST PIER LIGHT	46-51-34.878N 091-06-17.270W	FI G 2.5s	29 9	9	SG on post.	
15590	PORT WING EAST PIER LIGHT	46-47-34.759N 091-23-10.105W	FI G 4s	27 8	5	SG on post.	
<b>DULUTH - SUPERIOR HARBOR (Chart 14975)</b>							
<b>Superior Entry</b>							
15595	- <b>South Breakwater Light</b>	46-42-36.769N 092-00-22.259W	FI G 5s	70 21	15	White cylindrical tower on fog signal building. 70	HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM C. 83A.
15600	- NORTH BREAKWATER LIGHT 2	46-42-41.507N 092-00-30.039W	Q R	38 12	5	TR on post.	
15605	- INNER NORTH PIERHEAD LIGHT 2A	46-42-30.949N 092-00-49.239W	Iso R 6s	35 11	7	TR on post.	
15610	- INNER SOUTH PIERHEAD LIGHT 1	46-42-26.799N 092-00-45.029W	Iso G 6s	35 11	5	SG on post.	
15615	SUPERIOR HARBOR BASIN LIGHT 1A	46-42-15.869N 092-01-01.419W	FI G 2.5s	35 11	4	SG on post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>GRAND PORTAGE BAY TO SHESHEEB POINT</b>							
<b>Thunder Bay</b>							
15620	Duluth LSNE Water Quality Buoy 1	46-42-21.090N 091-59-05.000W	FI Y 4s				Maintained from Apr.22 to Oct.31. Private aid.
<b>DULUTH - SUPERIOR HARBOR (Chart 14975)</b>							
<b>Allouez Bay</b>							
15630	- Entrance Buoy 1	46-42-12.862N 092-01-03.953W				Green can.	
15635	- Channel Buoy 2	46-42-06.712N 092-01-13.223W				Red nun.	
15640	- Lighted Buoy 3	46-42-06.535N 092-01-01.840W	FI G 4s		4	Green.	Replaced by can from Nov 14 to Apr. 28.
15645	- Channel Buoy 4	46-41-57.532N 092-00-54.043W				Red nun.	
15650	- Channel Buoy 5	46-41-59.322N 092-00-48.323W				Green can.	
<b>Superior Harbor Basin</b>							
15660	- Anchorage Buoy A	46-42-34.633N 092-01-43.519W				Yellow nun.	
15665	- Anchorage Buoy B	46-42-58.610N 092-02-20.480W				Yellow nun.	
15670	- Buoy 1	46-42-17.814N 092-01-36.334W				Green can.	
15675	- Buoy 3	46-42-19.642N 092-01-48.163W				Green can.	
15680	- Lighted Buoy 4	46-42-30.242N 092-01-55.423W	FI R 4s		4	Red.	Maintained from Apr. 28 to Dec. 01.
15685	- Buoy 5	46-42-29.832N 092-02-15.703W				Green can.	
<b>Superior Front Channel</b>							
15690	- RANGE FRONT LIGHT	46-42-25.621N 092-02-07.490W	Q G	42 13		KRW on skeleton tower.	Visible 1.5° each side of range line.
15695	- RANGE FRONT PASSING LIGHT	46-42-25.809N 092-02-06.789W	FI G 4s	18 5	5	On range front light structure.	Visible from 150° to 270°.
15700	- RANGE REAR LIGHT 892 feet, 135.5° from front light.	46-42-19.336N 092-01-58.520W	Oc G 4s	70 21		KRW on skeleton tower.	Visible 1.5° each side of range line.
15705	- Lighted Buoy 2	46-42-51.421N 092-02-36.649W	Q R		4	Red.	Year round lighted buoy.
<b>Barkers Island Marina</b> <i>Buoys maintained from May 1 to Nov. 1.</i>							
15710	- Lighted Buoy 1	46-42-50.000N 092-02-49.000W	FI G 2s			Green.	Private aid.
15715	- Lighted Buoy 2	46-42-50.600N 092-02-49.900W	FI R 2s			Red.	Private aid.
15720	- Buoy 3	46-42-48.300N 092-02-51.500W				Green can.	Private aid.
15725	- Buoy 4	46-42-48.900N 092-02-52.400W				Red nun.	Private aid.
15730	- Buoy 5	46-42-46.100N 092-02-55.700W				Green can.	Private aid.
15735	- Buoy 6	46-42-46.400N 092-02-56.300W				Red nun.	Private aid.
15740	- Buoy 7	46-42-45.100N 092-03-00.900W				Green can.	Private aid.
15745	- Buoy 8	46-42-46.100N 092-03-01.000W				Red nun.	Private aid.
15746	- Buoy 9	46-42-45.600N 092-03-08.200W				Green can.	Private aid.
15747	- Buoy 10	46-42-46.600N 092-03-06.600W				Red nun.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>DULUTH - SUPERIOR HARBOR (Chart 14975)</b>							
<b>Superior Front Channel</b>							
15750	- Lighted Buoy 1	46-42-47.317N 092-02-42.291W	Q G		4	Green	Maintained from April 28 to December 1.
15755	- Buoy 3	46-42-58.373N 092-02-58.074W				Green can.	
15760	- Buoy 4	46-43-02.138N 092-02-51.859W				Red nun.	
15765	- Lighted Buoy 5	46-43-10.103N 092-03-14.534W	FI G 2.5s		4	Green	Maintained from April 28 to December 1.
15770	- Lighted Buoy 6	46-43-13.962N 092-03-08.649W	FI R 4s		3	Red.	Maintained from Apr. 28 to Dec. 1.
15775	- Buoy 7	46-43-22.643N 092-03-32.524W				Green can.	
15780	- Buoy 8	46-43-26.683N 092-03-26.174W				Red nun.	
15785	- Lighted Buoy 9	46-43-35.243N 092-03-50.724W	FI G 6s		4	Green	Maintained from April 28 to December 1.
15790	- Lighted Buoy 10	46-43-39.073N 092-03-44.568W	FI R 4s		3	Red.	Maintained from Apr. 28 to Dec. 1.
15795	- Buoy 12	46-43-50.647N 092-04-01.286W				Red nun.	
15800	- Buoy 13	46-43-49.813N 092-04-11.924W				Green can.	
15805	- Lighted Buoy 14	46-44-03.134N 092-04-18.808W	FI R 4s		3	Red.	Maintained from Apr. 28 to Dec. 01.
15810	- Buoy 15	46-44-04.263N 092-04-32.224W				Green can.	
15815	- Buoy 16	46-44-15.404N 092-04-36.313W				Red nun.	
15820	- Lighted Buoy 18	46-44-30.813N 092-04-57.694W	FI R 4s		3	Red.	Replaced by nun from Dec. 1 to Apr. 28.
15825	- Lighted Buoy 19	46-44-32.064N 092-05-11.324W	FI G 4s		4	Green.	Year round lighted buoy.
15830	East Gate Basin Buoy 20	46-44-37.969N 092-05-02.779W				Red nun.	
<b>Duluth Harbor</b>							
15840	- Breakwater Isolated Danger Buoy	46-47-14.441N 092-05-22.642W				Black and Red Can	Maintained from Apr. 21 to Oct. 14.
15845	- South Breakwater Outer Light	46-46-48.489N 092-05-15.059W	F G	44 13	16	White tower on fog signal building. 44	HORN: 2 bl ev 60s (3s bl-3s si-3s bl-51s si). Fog signal operates by keying the microphone five times on VHF-FM Channel 83A.
15855	- North Pier Light	46-46-51.569N 092-05-17.069W	Iso R 6s	43 13	12	White cylindrical tower with black top and base. 43	
15860	- South Breakwater Inner Light	46-46-43.609N 092-05-30.569W	FI W 5s	68 21	16	Black cylindrical tower with white lantern room. 68	Light obscured from 270° through 325°.
15865	- Basin Buoy 1	46-46-34.072N 092-05-39.682W				Green can.	
15870	- Basin Traffic V-AIS	46-46-29.602N 092-05-59.403W					AIS MMSI 993672226
15875	- Basin Lighted Buoy 2	46-46-22.273N 092-06-11.593W	FI R 4s		4	Red.	Year round lighted buoy.
15880	- Basin Lighted Buoy 3	46-46-24.642N 092-05-43.142W	FI G 4s		4	Green.	Year round lighted buoy.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>DULUTH - SUPERIOR HARBOR (Chart 14975)</b>							
<b>Duluth Harbor</b>							
<b>Harbor Cove Marina</b>							
<i>Lights maintained from May 1 to Nov. 1.</i>							
15885	- LIGHT 1	46-46-21.000N 092-05-36.000W	F G			On post.	Private aid.
15890	- LIGHT 2	46-46-20.000N 092-05-34.000W	F R			On post.	Private aid.
15895	- LIGHT 3	46-46-21.000N 092-05-35.000W	F G			On post.	Private aid.
15900	- LIGHT 4	46-46-20.000N 092-05-35.000W	F R			On post.	Private aid.
<b>Duluth Harbor</b>							
15905	- Basin Lighted Buoy 5	46-46-03.643N 092-05-50.633W	FI G 4s		4	Green.	Year round lighted buoy.
15910	- Basin Anchorage Buoy A	46-46-12.242N 092-05-34.653W				Yellow can.	
15915	- Basin Anchorage Buoy B	46-45-59.409N 092-05-25.863W				Yellow can.	
15920	- Basin Anchorage Buoy C	46-45-46.633N 092-05-17.253W				Yellow can.	
15925	- Basin Lighted Buoy 7	46-45-28.113N 092-05-24.733W	FI G 4s		4	Green.	Year round lighted buoy.
15930	DULUTH MARINE TERMINAL EAST LIGHT	46-45-16.000N 092-05-38.000W	F R	28 9		On white pile.	Maintained from Apr. 15 to close of navigation. Private aid.
15935	DULUTH MARINE TERMINAL SOUTH LIGHT	46-45-12.000N 092-05-40.000W	F R	28 9		On white pile.	Maintained from Apr. 15 to close of navigation. Private aid.
15940	<i>Rices Point Lighted Buoy 9</i>	46-45-13.313N 092-05-18.724W	Q G		4	Green.	Year round lighted buoy.
15945	INTERSTATE FISHING PIER EAST LIGHT	46-45-00.350N 092-05-59.800W	F R	15 5		On pile.	Maintained from Mar. 15 to Jan. 15. Private aid.
15950	INTERSTATE FISHING PIER WEST LIGHT	46-45-00.150N 092-06-01.250W	F R	15 5		On pile.	Maintained from Mar. 15 to Jan. 15. Private aid.
15955	East Gate Basin Buoy 11	46-44-57.915N 092-05-12.905W				Green can.	
<b>Rices Point Boatslip</b>							
<i>Aids maintained from Apr. 15 to Nov. 1.</i>							
15960	- Buoy 1	46-45-02.000N 092-06-04.000W				Green can.	Private aid.
15965	- Buoy 2	46-45-02.000N 092-06-03.000W				Red nun.	Private aid.
15970	- Buoy 3	46-45-03.000N 092-06-04.500W				Green can.	Private aid.
15975	- Buoy 4	46-45-03.000N 092-06-04.200W				Red nun.	Private aid.
15980	- Buoy 5	46-45-04.000N 092-06-02.500W				Green can.	Private aid.
15985	- Buoy 6	46-45-04.000N 092-06-02.500W				Red nun.	Private aid.
<b>Hearding Island Channel</b>							
15995	- Entrance Buoy 1	46-45-45.700N 092-05-13.800W				Green can.	Private aid.
16000	- Entrance Buoy 2	46-45-44.400N 092-05-08.300W				Red nun.	Private aid.
16005	- Entrance Buoy 4	46-45-44.800N 092-05-11.100W				Red nun.	Private aid.
16010	- Entrance Buoy 6	46-45-44.500N 092-05-12.800W				Red nun.	Private aid.
16015	ST. LOUIS BAY NORTH CHANNEL RANGE FRONT LIGHT (EASTERN SECTION)	46-44-09.179N 092-08-40.701W	Q R	42 13		KRW on skeleton tower.	Visible 1.5° each side of range line.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>DULUTH - SUPERIOR HARBOR (Chart 14975)</b>							
<b>Duluth Harbor</b>							
<b>Hearding Island Channel</b>							
16020	ST. LOUIS BAY NORTH CHANNEL RANGE REAR LIGHT (EASTERN SECTION) 810 feet, 226.4° from front light.	46-44-03.663N 092-08-49.113W	Iso R 6s	62 19		KRW on skeleton tower.	Visible 1.5° each side of range line. On same structure as St. Louis Bay South Channel Range Rear Light (LLNR 16125).
<b>St. Louis Bay North Channel (Western Section)</b>							
16023	- Buoy 1	46-44-48.029N 092-06-13.439W				Green can.	
16025	- Buoy 2	46-44-39.365N 092-07-59.166W				Red nun.	
16030	- Lighted Buoy 3	46-44-35.575N 092-07-56.476W	Q G		4	Green.	Replaced by can from Dec. 1 to Apr. 21.
16035	- Buoy 4	46-44-30.197N 092-08-12.271W				Red nun.	
16040	- Buoy 5	46-44-26.755N 092-08-10.176W				Green can.	
16045	- Buoy 6	46-44-20.682N 092-08-26.196W				Red nun.	
16050	- Buoy 7	46-44-18.186N 092-08-23.246W				Green can.	
16055	St Louis Bay Junction Lighted Buoy	46-44-14.616N 092-08-26.426W	FI (2+1)R 6s		3	Red and green bands.	Replaced by nun from Dec. 1 to Apr. 21.
16060	Howards Bay Buoy 2	46-44-38.314N 092-06-08.565W				Red nun.	
<b>St. Louis Bay South Channel (Eastern Section)</b>							
16065	- Buoy 2	46-44-54.467N 092-06-18.775W				Red nun.	
16070	- Lighted Buoy 2A	46-44-48.531N 092-06-28.671W	FI R 4s		4	Red.	Replaced by nun from Dec. 1 to Apr. 21.
16075	- Buoy 3	46-44-41.362N 092-06-32.556W				Green can.	
16080	- Buoy 4	46-44-44.715N 092-06-46.925W				Red nun.	
16085	- Buoy 5	46-44-32.279N 092-07-03.003W				Green can.	
<b>St. Louis Bay Cross Channel</b>							
16090	- Lighted Buoy 2	46-44-40.592N 092-07-06.010W	Q R		4	Red.	Replaced by nun from Dec. 1 to Apr. 21.
16095	- Lighted Buoy 1	46-44-34.941N 092-07-38.680W	FI G 4s		4	Green.	Replaced by can from Dec. 1 to Apr. 21.
16105	- Lighted Buoy 6	46-44-45.015N 092-07-23.725W	FI R 4s		4	Red.	Replaced by nun from Dec. 1 to Apr. 21.
16115	- Buoy 8	46-44-48.825N 092-07-28.345W				Red nun.	
<b>St. Louis Bay South Channel (Western Section)</b>							
16120	- RANGE FRONT LIGHT	46-44-06.132N 092-08-40.744W	Q R	42 13		KRW on skeleton tower.	Visible all around.
16125	- RANGE REAR LIGHT 639 feet, 246.6° from front light.	46-44-03.636N 092-08-49.085W	Iso R 6s	62 19		KRW on skeleton tower.	Visible 1.5° each side of range line. On the same structure as St. Louis Bay North Range Rear Light (LLNR 16020)
16130	- Buoy 6	46-44-28.565N 092-07-30.584W				Red nun.	
16135	- Buoy 7	46-44-25.375N 092-07-30.016W				Green can.	
16140	- Buoy 8	46-44-24.663N 092-07-44.341W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>DULUTH - SUPERIOR HARBOR (Chart 14975)</b>							
<b>St. Louis Bay South Channel (Western Section)</b>							
16145	- Lighted Buoy 9	46-44-21.085N 092-07-44.516W	FI G 4s		4	Green.	Maintained from Apr. 21 to Dec. 1.
16150	- Buoy 10	46-44-19.805N 092-08-02.606W				Red nun.	
16155	- Buoy 11	46-44-14.985N 092-08-05.006W				Green can.	
16160	- Buoy 12	46-44-14.786N 092-08-20.066W				Red nun.	
16165	- Lighted Buoy 13	46-44-07.246N 092-08-25.356W	Q G		3	Green.	Maintained from Apr. 21 to Dec. 1.
<b>St. Louis River Upper Channel</b>							
16175	- Entrance Buoy 1	46-44-00.536N 092-08-31.357W				Green can.	
16180	- Lighted Buoy 4	46-43-21.913N 092-08-39.828W	Q R		4	Red.	Replaced by nun from Dec. 1 to Apr. 21.
16185	- Buoy 5	46-43-24.436N 092-08-30.371W				Green can.	
16190	- Buoy 5A	46-43-17.326N 092-08-31.907W				Green can.	
<b>Minnesota Channel (Eastern Section)</b>							
16195	- RANGE FRONT LIGHT	46-43-12.128N 092-08-36.821W	FI G 4s	14 4		KRW on triangular tower.	Visible all around.
16200	- RANGE REAR LIGHT 996 feet, 083.8° from front light.	46-43-13.208N 092-08-22.576W	F G	37 11		KRW on white cylindrical tower.	Visible 1.5° each side of range line.
16205	- Lighted Buoy 6	46-43-12.616N 092-08-50.727W	FI R 2.5s		3	Red.	Replaced by nun from Nov 14 to Apr. 28.
16210	- Lighted Buoy 7	46-43-08.882N 092-08-49.560W	Q G		4	Green.	Replaced by can Nov 14 from to Apr. 28.
16215	- Buoy 8	46-43-11.234N 092-09-04.588W				Red nun.	
16220	- Lighted Buoy 9	46-43-04.916N 092-09-10.268W	FI G 4s		4	Green.	Replaced by can from Nov 14 to Apr. 28.
16225	- Lighted Buoy 10	46-43-10.181N 092-09-15.399W	FI R 4s		3	Red.	Replaced by nun from Nov 14 to Apr. 28.
16230	- Buoy 13	46-43-03.026N 092-09-35.418W				Green can.	
16235	- Lighted Buoy 14	46-43-07.724N 092-09-50.739W	FI R 4s		4	Red.	Maintained from Apr. 28 to Nov 14
16240	- Lighted Buoy 15	46-43-01.237N 092-09-59.018W	FI G 4s		4	Green.	Maintained from Apr. 28 to Nov 14
16245	- Buoy 16	46-43-06.917N 092-10-04.138W				Red nun.	
16250	- Lighted Buoy 19	46-43-03.374N 092-10-13.850W	FI G 2.5s		4	Green.	Maintained from Apr. 28 to Nov 14
<b>Minnesota Channel (Western Section)</b>							
<i>Buoys maintained from Apr. 28 to Oct. 21.</i>							
16255	- Buoy 20	46-43-06.029N 092-10-15.039W				Red Nun.	Maintained from Apr 28 to Oct 21.
16260	- Buoy 21	46-43-00.449N 092-10-53.439W				Green can.	Maintained from Apr 28 to Oct 21.
16265	- Lighted Buoy 22	46-43-02.429N 092-10-53.499W	FI R 4s		3	Red.	Maintained from Apr 28 to Oct 21.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>DULUTH - SUPERIOR HARBOR (Chart 14975)</b>							
<b>St. Louis River Upper Channel</b>							
<b>Minnesota Channel (Western Section)</b>							
<i>Buoys maintained from Apr. 28 to Oct. 21.</i>							
16270	- Buoy 23	46-42-52.939N 092-11-20.118W				Green can.	Maintained from Apr 28 to Oct 21.
16275	- Buoy 24	46-42-53.909N 092-11-21.339W				Red nun.	Maintained from Apr 28 to Oct 21.
16280	- Lighted Buoy 26	46-42-43.829N 092-11-39.579W	F I R 4s		3	Red.	Maintained from Apr 28 to Oct 21.
16285	- Buoy 27	46-42-43.349N 092-11-37.119W				Green can.	Maintained from Apr 28 to Oct 21.
16290	- Buoy 28	46-42-35.129N 092-11-49.479W				Red nun.	Maintained from Apr 28 to Oct 21.
16295	- Buoy 29	46-42-33.449N 092-11-47.019W				Green can.	Maintained from Apr 28 to Oct 21.
16297	- Lighted Buoy 30	46-42-17.748N 092-12-01.269W	F I R 4s		4	Red nun.	Maintained from Apr 28 to Oct 21.
16300	- Buoy 31	46-42-15.029N 092-11-58.659W				Green can.	Maintained from Apr 28 to Oct 21.
16305	- Buoy 32	46-42-00.149N 092-12-03.579W				Red nun.	Maintained from Apr 28 to Oct 21.
16308	- Buoy 33	46-41-51.518N 092-11-56.962W				Green can.	Maintained from Apr 28 to Oct 21.
16310	- Buoy 31A	46-41-59.489N 092-11-59.919W				Green can.	Maintained from Apr 28 to Oct 21.
16315	- Buoy 34	46-41-50.789N 092-12-00.279W				Red nun.	Maintained from Apr 28 to Oct 21.
16320	- Buoy 35	46-41-46.229N 092-11-48.399W				Green can.	Maintained from Apr 28 to Oct 21.
16322	- Buoy 36	46-41-45.329N 092-11-48.579W				Red nun.	Maintained from Apr 28 to Oct 21.
16323	St. Louis River Danger Buoy	46-41-44.010N 092-11-33.495W				White can with orange bands and diamonds.	Maintained from Apr 28 to Oct 21.
<b>St. Louis River</b>							
<i>Buoys maintained from Apr. 28 to Oct. 21.</i>							
16491	MCQUADE ROAD SMALL CRAFT HARBOR LIGHT	46-52-49.269N 091-55-12.904W	F I R 4s			On single pole.	Maintained from Apr. 1 to Dec. 31. Private aid.
16492	Mcquade Road Small Craft Harbor Day Beacon	46-52-48.022N 091-55-11.412W					Maintained from Apr. 1 to Dec. 31. Private aid.
<b>LITTLE GIRLS POINT TO SILVER BAY</b>							
16494	UMinn Research Bouy	46-51-54.000N 091-55-36.000W	F I Y 4s				Private aid.
16494.5	UMinn Research 2	46-48-42.000N 091-50-06.000W	F I Y 2s				Maintained from May 1 to Nov. 1. Private aid.
<b>Knife River Harbor</b>							
16495	- ENTRANCE LIGHT	46-56-38.030N 091-46-42.039W	F I G 4s	31 9	5	SG on pile.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>LITTLE GIRLS POINT TO SILVER BAY</b>							
<b>Two Harbors</b>							
16500	- Light	47-00-50.330N 091-39-48.520W	Fl (2)W 5s 0.15s fl 4.8s ec. 0.15s fl 14.8s ec.	78 24		Square tower on dwelling. 78	Light obscured from 065° to 210°. Private aid.
16505	- East Breakwater Light	47-00-38.220N 091-40-10.139W	Fl R 6s	32 10	9	Square pyramidal skeleton tower with upper part enclosed.	Standby light shows Fl R 5s of reduced intensity. HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates by keying microphone five times on VHF-FM Channel 83A.
16515	- WEST BREAKWATER LIGHT	47-00-42.460N 091-40-29.469W	Fl G 4s	26 8	4	SG on post.	
16520	DULUTH MISSABE & IRON RANGE RAILWAY CO. ORE DOCK NO. 6 LIGHT	47-00-55.000N 091-40-30.000W	F R			On pile.	Private aid.
16525	Agate Bay Buoy 2	47-00-46.861N 091-40-01.006W				Red nun.	
16530	Agate Bay Buoy 4	47-00-54.039N 091-39-59.375W				Red nun.	
16535	Agate Bay Buoy 6	47-00-57.801N 091-40-12.595W				Red nun.	
16536	TWIN POINTS PROTECTED ACCESS LIGHT	47-09-54.65 N 091-25-30.250W	F R			On galvanized pipe.	Maintained from May 1 to Nov. 1. Private aid.
<b>BEAVER BAY TO PIGEON POINT</b>							
16540	NOAA Lighted Weather Buoy 45006	47-20-05.667N 089-47-34.261W	Fl (4)Y 20s			Yellow disc-shaped hull with tripod mast.	Maintained from Apr. 1 to Nov. 1. Aid maintained by National Oceanic and Atmospheric Administration.
16545	PELLET ISLAND LIGHT	47-16-10.500N 091-16-03.000W	Fl G 10s	25 8			Maintained from Apr. 15 to Dec. 1. Private aid.
<b>Silver Bay</b>							
<i>Aids maintained from Apr. 15 to Dec. 1.</i>							
16550	- Lighted Buoy 1	47-16-22.500N 091-15-55.000W	Fl G 4s			Green.	Private aid.
16555	- Lighted Buoy 2	47-16-39.300N 091-15-41.000W	Fl R 4s			Red.	Private aid.
16560	- Lighted Buoy 3	47-16-29.200N 091-16-10.100W	Fl G 4s			Green.	Private aid.
16565	- Buoy 4	47-17-45.000N 091-15-47.500W				Red nun.	Private aid.
16570	BEAVER ISLAND LIGHT	47-16-48.300N 091-15-29.000W	Fl R 10s	20 6		Tower.	HORN: 1 blast ev 30s (3s bl). Private aid.
16575	- LEADING LIGHT	47-16-45.000N 091-15-58.400W	Fl G 4s	20 6		On black post.	Private aid.
16580	- LIGHT	47-17-11.300N 091-15-37.500W	Fl W 30s	126 38		On top of boiler house.	Private aid.
<b>Taconite Harbor</b>							
<i>Buoys maintained from Apr. 1 to Dec. 31.</i>							
16585	- West Entrance Lighted Buoy 1	47-31-11.800N 090-55-27.500W	Fl G 4s			Green.	Private aid.
16590	- West Entrance Lighted Buoy 2	47-31-08.700N 090-55-21.300W	Fl R 4s			Red.	Private aid.
16595	- RANGE FRONT LIGHT	47-31-32.600N 090-55-06.900W	F G	86 26		On tower.	Visible 2° each side of centerline of channel. Private aid.
16600	- RANGE REAR LIGHT 1,550 feet, 028° from front light.	47-31-47.300N 090-54-55.000W	F G	154 47		On tower.	Visible 2° each side of centerline of channel. Private aid.
16604	- HARBOR OF REFUGE SOUTH BREAKWATER LIGHT	47-31-17.099N 090-55-27.980W	Iso W 4s	22 7		NW on tower worded CAUTION.	Ra ref. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>BEAVER BAY TO PIGEON POINT</b>							
<b>Taconite Harbor</b>							
<i>Buoys maintained from Apr. 1 to Dec. 31.</i>							
16605	- HARBOR OF REFUGE BREAKWATER LIGHT 3	47-31-15.900N 090-55-24.710W	FI G 4s	22 7		SG on tower.	Ra ref. Private aid.
16606	- HARBOR OF REFUGE INNER LIGHT	47-31-17.030N 090-55-24.950W	Q R	17 5		TR on tower.	Visible from 284° to 336°. Private aid.
16610	- WESTENTRANCE LIGHT 4	47-31-13.000N 090-55-16.000W	FI R 4s	24 7		On tower.	Private aid.
16612	<i>University Of Minnesota Research Lighted Buoy</i>	46-51-36.000N 091-55-18.000W	FI Y 4s			Meteorological Surface Buoy.	Private aid.
<b>Grand Marais</b>							
16615	- Light	47-44-42.821N 090-20-16.414W	FI W 2.5s	48 15	12	White square pyramidal skeleton tower with upper part enclosed.	Light Obscured from 170° to 190°. HORN: 2 blast ev 30s (2s bl-2s si-2s bl-24s si). Operates by keying the microphone five times on VHF-FM channel 83A.
<b>GRAND PORTAGE BAY TO SHESHEEB POINT</b>							
<b>Thunder Bay</b>							
16620	<i>MTU Grand Marais Weather Wave Buoy 1</i>	47-40-32.032N 090-27-03.809W	FI Y 2.5s				Maintained year round. Private aid.
<b>BEAVER BAY TO PIGEON POINT</b>							
<b>Grand Marais</b>							
16625	- WEST BREAKWATER LIGHT 1	47-44-36.031N 090-20-24.038W	FI G 4s	32 10	5	White cylindrical tower with green band.	
16630	- HARBOR INNER BREAKWATER LIGHT 7	47-44-51.831N 090-20-23.538W	FI G 2.5s	14 4	4	SG on triangular tower.	
<b>BEAVER BAY TO PIGEON POINT</b>							
16635	GRAND PORTAGE BAY ENTRANCE LIGHT	47-57-11.771N 089-38-21.388W	FI W 4s	39 12	7	NR on skeleton tower.	
16645	GRAND PORTAGE PIER LIGHT	47-57-37.000N 081-40-54.000W	FI W 2.5s	12 4		On pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
16650	<i>Hat Point Lighted Bell Buoy 1</i>	47-57-00.866N 089-38-40.388W	FI G 4s		4	Green.	Maintained from May 28 to Oct. 14.
16653	<i>UMN NE of Apostle Meteorological Buoy 2</i>	47-25-48.000N 089-42-48.000W	FI Y 4s				Maintained from May.1 to Oct.31. Private aid.
<b>ISLE ROYALE</b>							
<b>Isle Royale</b>							
16655	<b>Rock Of Ages Light</b>	47-51-59.487N 089-18-52.959W	FI W 10s	130 40	12	White conical tower on cylindrical base.	
16660	- West End Buoy 2	47-51-00.779N 089-19-26.403W				Red nun.	
<b>ISLE ROYALE</b>							
16665	<i>West Isle Royale Weather Wave Buoy 2</i>	47-54-51.300N 089-20-20.800W	FI W 2.5s				Maintained from May.1 to Nov.31. Private aid.
<b>Isle Royale</b>							
16670	Thompson Island Wreck Buoy	47-53-36.000N 089-13-18.000W				White with orange bands worded WRECK.	Maintained from Jun. 15 to Sep. 30. Private aid.
16675	WINDIGO DOCK LIGHT	47-54-47.000N 089-09-30.000W	Q R	11 3		On post.	Maintained from Jun. 15 to Sep. 30. Private aid.
16680	Cumberland Point Buoy 2	47-51-07.977N 089-14-37.018W				Red nun.	Maintained from May 28 to Oct. 14.
<b>Siskiwit Bay Passage</b>							
16690	- Buoy 1	47-53-50.672N 088-53-12.662W				Green can.	
16695	- Lighted Buoy 2	47-53-52.450N 088-53-06.319W	FI R 2.5s				Maintained from May 28 to Oct 14.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>ISLE ROYALE</b>							
<b>Siskiwit Bay Passage</b>							
16700	- Buoy 3	47-54-06.449N 088-53-18.334W				Green can.	
<b>ISLE ROYAL (Chart 14967)</b>							
16705	Harlem Reef Buoy 2	47-54-00.951N 088-50-12.577W				Red nun.	Maintained from May 28 to Oct. 14.
<b>ISLE ROYALE</b>							
16709	<i>East Isle Royale Weather Wave Buoy 1</i>	48-03-37.390N 088-34-19.510W	FI W 2.5s				Maintained from May.1 to Nov.31. Private aid.
16710	- LIGHT	47-56-52.681N 088-45-40.377W	FI W 6s	72 22	9	White octagonal tower with dwelling attached.	
<b>Malone Bay</b>							
<i>Buoys maintained from May 28 to Oct. 14.</i>							
16715	- Entrance Buoy 2	47-58-22.841N 088-47-34.937W				Red nun.	
16720	- Entrance Buoy 3	47-58-24.411N 088-47-50.205W				Green can.	
16725	- Buoy 4	47-58-43.856N 088-48-16.913W				Red nun.	
16730	- Buoy 5	47-58-40.001N 088-48-17.277W				Green can.	
16745	Chippewa Harbor Daybeacon	48-01-45.600N 088-38-12.000W				NW on post.	Private aid.
<b>Rock Harbor</b>							
16750	Barge Cove Buoy A	48-06-50.000N 088-32-07.000W				White with orange bands; can.	Maintained from Jun. 15 to Sep. 15. Private aid.
16755	Barge Cove Buoy B	48-06-49.000N 088-32-08.000W				White with orange bands; can.	Maintained from Jun. 15 to Sep. 15. Private aid.
16757	Dollar Bay Entrance Buoy 2	48-06-18.000N 088-22-10.000W				Red nun.	Maintained from Jun. 15 to Sep. 15. Private aid.
16760	MOTT ISLAND DOCK LIGHT	48-06-28.000N 088-32-59.000W	Q R	10 3		On post.	Maintained from Jun. 15 to Sep. 30. Private aid.
16765	SNUG HARBOR DOCK LIGHT	48-08-46.000N 088-29-12.000W	Q R	12 4		On post.	Maintained from Jun. 15 to Sep. 30. Private aid.
16766	Windigo Water Intake Buoy	47-54-38.000N 089-09-35.000W				White with orange bands; can.	Maintained from Jun. 15 to Sep. 15. Private aid.
16770	<i>Middle Island Passage Lighted Bell Buoy 2</i>	48-05-22.899N 088-34-14.688W	FI R 4s		4	Red.	Replaced by nun from Oct 14 to May 28.
16775	Middle Island Passage Buoy 1	48-05-30.259N 088-34-25.687W				Green can.	
16780	Middle Island Passage Buoy 3	48-05-33.070N 088-34-30.140W				Green can.	
16785	Saginaw Point Daybeacon	48-03-36.000N 088-34-40.000W				NW on post.	Private aid.
16790	Mott Island Shoal East Buoy	48-06-22.000N 088-33-06.000W				White with orange bands; can.	Maintained from Jun. 15 to Sep. 15. Private aid.
16795	Mott Island Shoal West Buoy Marks rock ledge.	48-06-21.000N 088-33-10.000W				White with orange bands; can.	Maintained from Jun. 15 to Sep. 15. Private aid.
16800	Daisy Farm East Buoy Marks reef.	48-05-31.000N 088-35-39.000W				White with orange bands; can.	Maintained from Jun. 15 to Sep. 15. Private aid.
16805	Daisy Farm West Buoy	48-05-30.000N 088-35-37.000W				White with orange bands; can.	Maintained from Jun. 15 to Sep. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>ISLE ROYALE</b>							
<b>Malone Bay</b>							
<b>Rock Harbor</b>							
16810	Mccargoe Cove Entrance Buoy 1	48-06-52.000N 088-41-11.000W				Green can.	Maintained from Jun. 15 to Sep. 30. Private aid.
16815	Mccargoe Cove Entrance Buoy 2	48-06-49.000N 088-41-06.000W				Red nun.	Maintained from Jun. 15 to Sep. 30. Private aid.
16820	<b>Blake Point Light</b>	48-11-28.380N 088-25-20.577W	Fl W 2.5s	40 12	12	NR on skeleton tower.	
16825	Blake Point Five-Foot Shoal Buoy D Marks south side of shoal.	48-11-16.768N 088-24-09.940W				Black, red and black bands; can.	Maintained from May 28 to Oct. 14.
<b>GRAND PORTAGE BAY TO SHESHEEB POINT</b>							
16835	<b>Passage Island Light</b>	48-13-25.353N 088-21-56.109W	Fl W 5s	78 24	12	Octagonal tower.	RACON: G ( - - . ) HORN: 1 blast ev 30s (3s bl). Operates by keying the microphone five times on VHF-FM channel 83A.
16845	<b>Caribou Island Light (C)</b>	47-20-24.032N 085-49-30.033W	Fl W 15s 1s fl 14s ec.	99 30	20	Hexagonal structure.	RACON: C ( - - . ) Emergency light. Seasonal.
16850	<i>NOAA Lighted Weather Buoy 45004</i>	47-35-07.011N 086-35-07.866W	Fl (4)Y 20s			Yellow disc-shaped hull with tripod mast.	Maintained from Apr. 1 to Nov. 1. Aid maintained by National Oceanic and Atmospheric Administration.
16855	<b>Michipicoten Harbor Light (C)</b>	47-56-36.033N 084-54-24.032W	Fl W 30s	88 27	18	Skeleton tower.	Seasonal. HORN: 2 blasts ev 60s (3s bl). Horn points 210°. Operates by keying mike 5 times on VHF-FM Ch. 19. Emergency light.
16865	<b>Slate Islands Light (C)</b>	48-37-18.032N 086-59-48.035W	Oc W 10s fl 5s ec.	224 68	23	White tower.	Emergency light.
16870	<b>Battle Island Light (C)</b>	48-45-06.032N 087-33-24.036W	Fl (3) W 24s fl 4s ec. fl 4s ec. fl 16s ec.		118 36	Tower.	Emergency light.
16880	<i>NOAA Lighted Weather Buoy 45001</i>	48-03-41.566N 087-47-30.483W	Fl (4)Y 20s		4	Yellow disc-shaped hull with tripod mast.	Maintained from Apr. 1 to Nov. 1. Aid maintained by National Oceanic and Atmospheric Administration.
<b>BIG BAY POINT TO REDRIDGE</b>							
16881	<i>Isle Royale North Weather Wave Buoy 1</i>	48-01-30.000N 087-42-32.400W	Fl Y 6s				Maintained Year round. Private aid.
<b>GRAND PORTAGE BAY TO SHESHEEB POINT</b>							
16885	<b>Point Parphyry Light (C)</b>	48-20-25.032N 088-38-53.037W	Fl W 10s 1s fl 9s ec.	82 25	17	White slatted daymark on tower.	Fixed white between flashes. Emergency light.
16890	<b>Trowbridge Island Light (C)</b>	48-17-32.032N 088-52-30.037W	Fl W 5s	114 35	18	White octagonal tower.	Emergency light.
16895	<b>Angus Island Light (C)</b>	48-14-12.031N 089-00-24.037W	Fl W 20s	81 25	18	Skeleton tower on four concrete piers.	Emergency light.
<b>Thunder Bay</b>							
16905	THUNDER CAPE LIGHT (C)	48-18-06.032N 088-56-18.037W	Fl W 4s	35 11	6	Red and white rectangular daymark on tower.	
16910	JARVIS ROCK LIGHT (C)	48-06-12.031N 089-17-36.037W	Fl W 4s	40 12	6	Red and white rectangular daymark on mast.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE SUPERIOR</b>							
<b>GRAND PORTAGE BAY TO SHESHEEB POINT</b>							
<b>Thunder Bay</b>							
16915	- (Main) Light (C)	48-26-00.031N 089-11-42.038W	FI R 5s	49 15	14	White square tower.	Floodlighted. HORN: 3 blasts ev 60s (2s bl-3s si-2s bl-3s si-2s bl-48s si). Operates by keying the microphone five times on VHF-FM Ch. 79. Emergency light.
<b>MINNESOTA-ONTARIO BORDER LAKES</b>							
<b>BIG TRAVERSE BAY (CHART 6211) (C)</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
16925	PENASSE ISLAND LIGHT (C)	49-22-18.029N 094-57-30.045W	FI W 4s	37 11	6	Red and white rectangular daymark on circular mast.	Visible from 181° to 076°.
16930	<i>Pine Creek Lighted Buoy 2</i>	49-21-08.829N 095-03-33.745W	FI R 4s		3	Red.	
16940	<i>Crow Creek Lighted Buoy 1</i>	49-21-18.929N 095-04-19.845W	FI G 4s		4	Green.	
16947	<i>Youngs Bay Lighted Buoy 1</i>	49-20-46.929N 094-57-51.645W	FI G 6s		4	Green.	
16953	Flag Island Buoy 1	49-20-12.467N 094-52-53.067W				Green can	
16955	Flag Island Buoy 2	49-20-10.061N 094-52-54.663W				Red nun.	
16960	Flag Island Buoy 3	49-20-10.319N 094-52-48.693W				Green can.	
16963	DRIFTWOOD POINT LIGHT	49-12-46.029N 094-56-45.045W	FI W 6s	35 11	3	NR on skeleton tower.	
16965	<i>Flag Island Lighted Buoy 4</i>	49-20-09.065N 094-52-50.781W	FI R 4s		3	Red.	Permanent buoy. Light maintained from May 7 to Oct. 14.
16968	Flag Island Buoy 5	49-20-06.149N 094-52-44.667W				Green can	
16969	Flag Island Buoy 6	49-20-05.807N 094-52-47.343W				Red nun	
16970	BOUCHA ISLAND LIGHT (C)	49-17-42.029N 094-49-12.044W	FI W 4s	38 12	6	Green and white banded daymark on mast.	
16975	OAK ISLAND LIGHT 1	49-18-08.909N 094-53-07.445W	FI G 4s	39 12	3	SG on skeleton tower.	
16976	Oak Island Buoy 4	49-18-17.129N 094-49-23.804W				Red nun.	
16977	Oak Island Buoy 2	49-18-37.029N 094-49-27.244W				Red nun.	
16980	Sugar Point Rock Buoy 2	49-17-35.329N 094-54-14.945W				Red nun.	
16985	Stony Point Reef Buoy 2	49-08-09.529N 095-07-14.545W				Red nun.	
16990	BIRCH POINT LIGHT (C)	49-09-54.029N 095-14-00.045W	FI W 4s	23 7		Fluorescent red and white banded rectangular daymark on mast.	
16995	<i>Buffalo Point Marina Entrance Lighted Buoy (C)</i>	49-02-30.029N 095-13-42.045W	Mo (A) W			Red and white stripes.	
17000	BUFFALO POINT LIGHT (C)	49-00-00.029N 095-13-54.045W	FI W 4s	35 11	6	Red and white banded diamond daymark on mast.	
17005	<i>Warroad Lighted Buoy 2</i>	48-54-55.529N 095-17-08.745W	FI R 4s		3	Red.	
17010	WARROAD JETTY LIGHT 4	48-54-30.196N 095-17-46.685W	FI W 4s	38 12	3	TR on post.	
17011	<i>Warroad Lighted Buoy "3"</i>	48-54-27.569N 095-17-45.645W	FI G 4s		3	Green.	
17013	Warroad Buoy "5"	48-54-24.449N 095-17-51.045W				Green can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MINNESOTA-ONTARIO BORDER LAKES</b>							
<b>BIG TRAVERSE BAY (CHART 6211) (C)</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17015	WARROAD RANGE FRONT LIGHT	48-54-03.607N 095-18-21.558W	F G	35 11		KRW on black skeleton tower.	
17020	WARROAD RANGE REAR LIGHT 1,070 feet, 223.6° from front light.	48-53-55.955N 095-18-32.599W	Oc W 4s	60 18		KRW on square skeleton tower.	
17025	GULL ROCK LIGHT	48-59-02.199N 095-03-33.574W	FI W 4s	17 5	3	NR on skeleton tower.	
17030	Long Point East Shoal Buoy 1	48-58-08.329N 094-55-53.944W				Green can.	
<b>Zipple Bay</b>							
17035	- Lighted Buoy 1	48-52-46.729N 094-51-07.044W	FI G 4s		3	Green.	
17040	- LIGHT 2	48-52-24.029N 094-51-10.044W	FI R 2.5s	30 9	3	White cylindrical tower.	
17045	- LIGHT 3	48-52-18.029N 094-51-00.044W	FI G 2.5s	28 9	3	SG on post.	
17050	BRULE POINT LIGHT (C) Marks rocks.	49-07-54.030N 094-20-06.044W	FI W 4s	30 9	6	Red and white rectangular daymark with black square in center on post.	
17055	ROCKY POINT LIGHT (C)	48-57-30.029N 094-32-18.044W	FI W 4s	25 8	9	White daymark on post.	
17060	BURTON ISLAND LIGHT (C)	48-57-00.029N 094-37-00.044W	FI W 4s	35 11	6	Florescent red and white rectangular daymark with black square in center on skeleton tower.	
17065	<i>Bell Buoy Shoal Lighted Buoy (C)</i>		FI G 4s			Green.	
17070	OAK POINT LIGHT	48-52-35.029N 094-41-10.544W	FI W 6s	34 10	3	NR on skeleton tower.	
<b>Four Mile Bay</b>							
17073	- Lighted Buoy 1	48-52-59.029N 094-41-09.044W	FI G 6s		4	Green.	
17075	- Buoy 2	48-52-54.029N 094-41-06.044W				Red nun.	
17077	- Buoy 4	48-52-50.029N 094-41-02.044W				Red nun.	
17079	- Buoy 6	48-52-43.029N 094-40-56.044W				Red nun.	
17079.1	- Buoy 7	48-52-44.029N 094-40-53.044W				Green can.	
17080	- Buoy 8	48-51-33.219N 094-41-27.110W				Red nun.	
17083	- Lighted Buoy 9	48-51-15.929N 094-41-31.044W	FI G 4s		4	Green.	
17085	Rainy River Buoy 10	48-51-16.029N 094-41-36.044W				Red nun.	
17087	WHEELER POINT LIGHT 12	48-50-24.286N 094-41-14.012W	FI R 4s	20 6	3	TR on skeleton tower.	
17089	Wheeler Point Buoy 14	48-50-19.145N 094-41-24.406W				Red nun.	
<b>Baudette Harbor</b>							
17095	- Buoy 1	48-43-04.119N 094-35-28.016W				Green can.	
17100	- Buoy 2	48-43-03.629N 094-35-30.444W				Red nun.	
<b>RAINY LAKE - INTERNATIONAL FALLS TO DRYWEED ISLAND</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17125	FORT FRANCES RANIER BRIDGE LIGHT (C)	48-36-48.030N 093-22-00.042W	FI G 4s	28 9		On post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MINNESOTA-ONTARIO BORDER LAKES</b>							
<b>RAINY LAKE - INTERNATIONAL FALLS TO DRYWEED ISLAND</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17140	Rainy Lake Buoy 2	48-37-07.030N 093-20-49.942W				Red nun.	
17142	Rainy Lake Buoy 2 A	48-37-31.650N 093-20-25.482W					
17145	Rainy Lake Buoy 3	48-38-12.730N 093-15-48.342W				Green can.	
17150	FRANSEN ISLAND LIGHT 2A	48-37-39.700N 093-15-05.012W	FI R 4s	20 6	3	TR on skeleton tower.	
17155	Red Sucker Island Buoy 4	48-37-51.930N 093-11-38.642W				Red nun.	
17160	Red Sucker Island Buoy 6	48-37-32.730N 093-11-04.842W				Red nun.	
17165	BALD ROCK LIGHT	48-37-26.610N 093-10-53.822W	FI W 4s	35 11	3	NB on skeleton tower.	
17170	Rainy Lake Buoy 7	48-33-36.230N 093-06-48.242W				Green can.	
<b>RAINY LAKE - DRYWEED ISLAND TO BIG ISLAND</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17175	Rainy Lake Buoy 8	48-37-24.030N 093-05-07.842W				Red nun.	
17180	CAPSTAN REEF LIGHT (C)	48-38-06.030N 093-03-00.042W	FI W 4s	17 5	6	White structure.	Radar reflector.
17185	Olsons Reef Buoy 10OR	48-36-57.930N 092-59-34.942W				Red nun.	
<b>RAINY LAKE - INTERNATIONAL FALLS TO DRYWEED ISLAND</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17190	ROBERTS ISLAND LIGHT 2	48-37-08.860N 093-15-57.562W	FI R 4s	27 8	3	TR on skeleton tower.	
<b>Canoe Channel</b>							
17195	- Daybeacon 4 Marks rocks.	48-36-58.180N 093-15-37.282W				TR on skeleton tower.	
17200	- Daybeacon 5 Marks rock.	48-36-57.770N 093-15-28.102W				SG on skeleton tower.	
17205	- Buoy 7 Marks rock.	48-36-54.730N 093-15-01.942W				Green can.	
17210	- Daybeacon 8 Marks rock.	48-36-51.090N 093-14-51.272W				TR on skeleton tower.	
17215	- Daybeacon 10 Marks rock awash.	48-36-38.620N 093-14-15.722W				TR on skeleton tower.	
17220	- Daybeacon 12	48-36-28.980N 093-13-53.832W				TR on skeleton tower.	
17225	- Buoy 14	48-36-26.030N 093-13-15.642W				Red nun.	
17230	- Daybeacon 15 Marks submerged rock.	48-36-31.640N 093-12-25.812W				SG on skeleton tower.	
17235	- Buoy 16 Marks rock.	48-36-33.730N 093-11-06.642W				Red nun.	
17240	- LIGHT 17 Marks shoal.	48-36-27.580N 093-10-54.922W	FI G 2.5s	21 6	3	SG on skeleton tower.	
17245	Fraser Island Buoy 17A Marks south side of shoal.	48-36-14.030N 093-09-33.642W				Green can.	
17250	Big American Island Daybeacon 19	48-36-14.830N 093-09-01.282W				SG on pile.	
17252	- Buoy 20	48-36-16.267N 093-07-51.515W				Red nun.	
17255	South Shore Buoy 1	48-36-23.730N 093-06-05.742W				Green can.	
<b>RAINY LAKE - DRYWEED ISLAND TO BIG ISLAND</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17260	South Shore Buoy 3	48-36-29.730N 093-05-00.142W				Green can.	
17265	South Shore Buoy 5	48-36-20.730N 093-04-30.542W				Green can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MINNESOTA-ONTARIO BORDER LAKES</b>							
<b>RAINY LAKE - DRYWEED ISLAND TO BIG ISLAND</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17267	South Shore Buoy 6	48-36-15.828N 093-04-31.021W				Red nun.	
17270	South Shore Buoy 7	48-36-22.430N 093-02-57.242W				Green can.	
17275	South Shore Buoy 8	48-36-21.430N 093-01-40.142W				Red nun.	
17277	South Shore Buoy 9	48-36-29.454N 093-01-28.962W				Green can.	
17280	South Shore Buoy 10	48-36-13.330N 092-59-49.742W				Red nun.	
17285	<i>Rainy Lake Lighted Buoy 12</i>	48-36-25.893N 092-57-37.059W	FI R 4s		4	Red.	
17290	Rainy Lake Buoy 13	48-36-26.230N 092-57-35.642W				Green can.	
17295	Rainy Lake Buoy 15	48-36-23.730N 092-57-13.142W				Green can.	
17300	Rainy Lake Buoy 16	48-36-22.230N 092-56-32.642W				Red nun.	
17305	MACKENZIE ISLAND LIGHT (C)	48-36-30.030N 092-56-24.042W	FI W 4s	26 8	6	White diamond daymark on post.	Visible from 290° to 110°.
<b>Brule Narrows</b>							
17310	- Buoy 18	48-36-15.630N 092-55-35.142W				Red nun.	
17315	- Buoy 19	48-36-15.130N 092-55-29.742W				Green can.	
17320	- Buoy 20	48-36-05.230N 092-55-12.842W				Red nun.	
17325	- Buoy 22	48-36-03.730N 092-55-08.742W				Red nun.	
17330	- Buoy 24	48-36-03.230N 092-55-06.042W				Red nun.	
17335	- Buoy 26	48-35-53.330N 092-54-47.242W				Red nun.	
17340	BRULE ISLAND LIGHT (C)	48-35-48.030N 092-54-00.042W	FI W 4s	22 7	5	Lattice tower on concrete base.	
17345	- Buoy 28	48-35-43.330N 092-53-55.142W				Red nun.	
17350	- Buoy 29	48-35-40.230N 092-53-45.442W				Green can.	
17355	- Buoy 29A	48-35-33.330N 092-53-40.742W				Green can.	
17360	- Buoy 30	48-35-30.930N 092-53-40.842W				Red nun.	
17365	- Buoy 31	48-35-31.730N 092-53-38.942W				Green can.	
17367	Soldiers Point Daybeacon 30a	48-26-30.030N 092-30-50.041W				TR on skeleton tower.	
17370	- <i>Lighted Buoy 32</i>	48-35-29.230N 092-53-39.042W	FI R 4s		4	Red.	
17375	RAINY LAKE LIGHT 34	48-33-33.890N 092-53-14.512W	FI R 4s	5 2	3	TR on skeleton tower.	
17380	Hitchcock Bay Buoy 35	48-33-09.530N 092-53-11.542W				Green can.	
17385	Hitchcock Bay Buoy 35A	48-32-53.430N 092-53-03.842W				Green can.	
17390	Hitchcock Island Daybeacon 36	48-32-47.030N 092-53-13.042W				TR on skeleton tower.	
<b>RAINY LAKE - BIG ISLAND TO OAK POINT ISLAND</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
<b>Rainy Lake</b>							
17395	GULL ROCKS LIGHT (C) Marks rock.	48-33-48.030N 092-46-36.042W	FI W 4s	29 9		White rectangular daymark on mast.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MINNESOTA-ONTARIO BORDER LAKES</b>							
<b>RAINY LAKE - BIG ISLAND TO OAK POINT ISLAND</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
<b>Rainy Lake</b>							
17400	- Buoy 37	48-32-22.730N 092-45-02.742W				Green can.	
17405	- Buoy 38	48-32-16.830N 092-39-50.541W				Red nun.	
17410	- Buoy 39	48-32-10.230N 092-38-38.741W				Green can.	
17415	- Buoy 41	48-31-26.000N 092-37-47.229W				Green can.	
17420	SURVEYOR'S ISLAND LIGHT 43	48-31-03.310N 092-37-41.151W	FI G 4s		4	SG on skeleton tower.	
<b>Kettle Channel</b>							
17425	- Buoy 2	48-31-02.130N 092-37-43.041W				Red nun.	
17430	- Buoy 4	48-30-45.230N 092-37-32.341W				Red nun.	
17435	- Buoy 6	48-30-38.630N 092-37-40.741W				Red nun.	
17440	- Buoy 7	48-30-24.330N 092-37-52.741W				Green can.	
17445	- Buoy 8	48-30-06.430N 092-37-45.141W				Red nun.	
<b>EASTERN KABETOGAMA LAKE AND WESTERN NAMAKAN LAKE</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
<b>Namakan Lake</b>							
17450	Mica Island Daybeacon 2	48-29-47.700N 092-41-38.331W				TR on skeleton tower.	
17455	Mica Island Daybeacon 2A	48-29-47.530N 092-41-45.041W				TR on skeleton tower.	
17460	- Daybeacon 4	48-29-00.850N 092-42-10.271W				TR on skeleton tower.	
17465	Gagnon Island Buoy 5	48-28-47.530N 092-42-27.541W				Green can.	
17470	Gagnon Point Daybeacon 6	48-28-21.877N 092-43-11.586W				TR on skeleton tower.	
17475	Arrowhead Island Buoy 7	48-28-17.630N 092-43-01.641W				Green can.	
17480	Alden Island Buoy 9	48-28-02.630N 092-43-01.741W				Green can.	
17485	Bivo Island Daybeacon 11	48-27-42.540N 092-42-51.061W				SG on skeleton tower.	
17490	Bivo Island Buoy 13	48-27-39.030N 092-42-51.541W				Green can.	
17495	- Buoy 14	48-27-32.530N 092-42-48.541W				Red nun.	
17500	- Buoy 16	48-27-16.830N 092-43-17.541W				Red nun.	
17505	Kubel Island Buoy 18	48-27-15.130N 092-43-37.541W				Red nun.	
17510	Sexton Island Buoy 20	48-26-54.630N 092-44-51.641W				Red nun.	
17515	Cemetery Island Buoy 22	48-26-47.430N 092-45-27.741W				Red nun.	
17520	Sweetnose Island Daybeacon 23	48-26-39.620N 092-46-30.891W				SG on skeleton tower.	
17525	Sweetnose Island Buoy 24	48-26-42.330N 092-46-36.941W				Red nun	
17530	- Daybeacon 26 Marks rock awash.	48-26-18.030N 092-47-06.041W				TR on post.	
17535	- <i>Lighted Buoy 27</i>	48-25-50.710N 092-47-38.352W	FI G 4s		3	Green.	
<b>Kabetogama Lake</b>							
17540	- Buoy 29	48-26-10.730N 092-48-35.541W				Green can.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MINNESOTA-ONTARIO BORDER LAKES</b>							
<b>EASTERN KABETOGAMA LAKE AND WESTERN NAMAKAN LAKE</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
<b>Kabetogama Lake</b>							
17545	- Buoy 31	48-26-15.030N 092-51-00.842W				Green can.	
17550	- Warning Daybeacon	48-26-10.030N 092-51-00.042W				NW on post.	
17555	- Buoy 32	48-26-21.730N 092-53-03.542W				Red nun.	
17560	Green Island Buoy 34	48-26-24.730N 092-53-53.942W				Red nun.	
17565	Feedem Island Buoy 36	48-27-00.830N 092-55-20.742W				Red nun.	
17570	Knox Island Daybeacon 37	48-27-01.250N 092-55-48.272W				SG on skeleton tower.	
17575	- Junction Buoy	48-27-13.130N 092-56-11.142W				Green and red bands; can.	
17580	- Buoy 38	48-27-52.630N 092-57-43.542W				Red nun.	
17585	- Buoy 39	48-28-02.030N 092-58-17.942W				Green can.	
17590	Pin Cherry Buoy 38A	48-28-26.530N 092-58-59.542W				Red nun.	
<b>WESTERN KABETOGAMA LAKE</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
<b>Kabetogama Lake</b>							
17595	- Buoy 40	48-28-51.630N 093-00-26.442W				Red nun.	
17600	- Buoy 42	48-28-46.030N 093-00-48.242W				Red nun.	
17605	- Buoy 44	48-29-18.030N 093-03-33.842W				Red nun.	
<b>EASTERN KABETOGAMA LAKE AND WESTERN NAMAKAN LAKE</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17610	Martin Island Buoy 1	48-27-24.330N 092-59-03.642W				Green can.	
<b>WESTERN KABETOGAMA LAKE</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17615	Ram Island Buoy 4	48-28-24.230N 093-01-58.842W				Red nun.	
17620	VOYAGEURS NATIONAL PARK BREAKWATER LIGHT	48-26-32.500N 093-01-46.000W	Q R	25 8		TR on post.	Private aid.
<b>EASTERN KABETOGAMA LAKE AND WESTERN NAMAKAN LAKE</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17625	Namakan Island Daybeacon N Marks bifurcation of Namakan and Kabetogama Lakes.	48-27-06.030N 092-42-48.041W				NR on skeleton tower.	
17630	Fox Island Daybeacon 4	48-26-12.030N 092-39-59.041W				TR on skeleton tower.	
17635	Randolph Island Buoy 6	48-26-04.130N 092-39-14.941W				Red nun.	
17640	Pike Island Daybeacon 8	48-26-08.030N 092-35-43.041W				TR on skeleton tower.	
<b>NAMAKAN LAKE - EASTERN PART</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17645	YOUR ISLAND LIGHT 9	48-26-29.030N 092-30-50.041W	FI G 6s	25 8	3	SG on skeleton tower.	
17650	Your Island Buoy 10	48-26-21.630N 092-30-19.141W				Red nun.	
17655	Namakan Narrows Daybeacon 12	48-26-11.030N 092-29-43.041W				TR on skeleton tower.	
17660	Namakan Narrows Daybeacon 14	48-25-31.530N 092-28-51.041W				TR on skeleton tower.	
17665	Sand Point Buoy 16	48-24-56.430N 092-27-51.441W				Red nun.	
17670	Sand Point Buoy 18	48-24-38.230N 092-27-24.241W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MINNESOTA-ONTARIO BORDER LAKES</b>							
<b>NAMAKAN LAKE - EASTERN PART</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17675	Burnt Island Daybeacon 20	48-24-10.030N 092-27-30.041W				TR on skeleton tower.	
17680	Sand Point Buoy 22	48-22-01.830N 092-28-42.341W				Red nun.	
<b>SAND POINT LAKE TO LAC LA CROIX</b>							
<i>Buoys and Lighted Buoys maintained from May 7 to Oct. 14.</i>							
17685	King Williams Narrows Buoy 24	48-20-05.130N 092-27-55.541W				Red nun.	
17690	King Williams Narrows Buoy 25	48-19-49.830N 092-27-56.741W				Green can.	
17695	King Williams Narrows Buoy 27	48-19-39.530N 092-27-52.241W				Green can.	
17700	Crane Lake Buoy 28	48-17-58.030N 092-28-09.841W				Red nun.	
17705	Crane Lake Buoy 29	48-17-35.030N 092-28-17.141W				Green can.	
17710	Indian Island Buoy 30	48-17-30.730N 092-27-56.941W				Red nun.	
17715	Bear Island Buoy 32	48-16-40.630N 092-28-07.541W				Red nun.	
<b>LAKE MICHIGAN</b>							
<b>DE TOUR PASSAGE TO WAUGOSHANCE POINT (Chart 14881)</b>							
VAIS							
17720	ST HELENA LIGHT	45-51-18.018N 084-51-48.961W	FI W 6s	71 22	6	White conical tower connected to dwelling.	
17722	<i>Sandusky Wreck Mooring Buoy</i>	45-47-58.140N 084-50-15.300W					Private aid.
17723	<i>Maitland Wreck Mooring Buoy</i>	45-48-15.000N 084-52-32.820W					Private aid.
17725	St Helena Southeast Shoal Buoy 1	45-50-59.398N 084-51-16.758W				Green can.	
17730	St Helena Shoal Buoy SHS Marks south side of shoal.	45-51-43.628N 084-55-06.069W				Red and green bands; nun.	
<b>WAUGOSHANCE POINT TO SEUL CHOIX POINT (Chart 14911)</b>							
17735	Manitou Paymen Shoal Buoy 2 Marks southwest side of shoal.	45-57-29.861N 085-04-36.246W				Red nun.	
17740	<i>New Shoal Lighted Buoy 1</i>	45-49-16.312N 085-05-16.819W	FI G 4s		5	Green.	Maintained from Apr. 21 to Dec. 14. AIS MMSI: 993672238
17745	<i>New Shoal Lighted Bell Buoy 3</i>	45-48-53.651N 085-08-00.548W	FI G 2.5s		4	Green.	Replaced by can from Dec. 14 to Apr. 21. AIS MMSI: 993672239
17750	<b>White Shoal Light</b> Marks east side of shoal.	45-50-30.106N 085-08-08.451W	FI W 5s	125 38	11	Red and white spiral bands on conical crib. 125	RACON: K ( - . - ) HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
17755	White Shoal Buoy Marks southwest side of shoal.	45-50-10.649N 085-09-56.516W				Red and green bands; nun.	
17760	<i>Simmons Reef Lighted Bell Buoy 2</i> Marks south side of reef.	45-54-08.357N 085-12-58.744W	FI R 4s		4	Red.	Maintained from Apr. 21 to Nov. 28.
<b>Grays Reef Passage Channel</b>							
17765	- <i>Lighted Buoy 5</i>	45-46-51.959N 085-08-17.978W	FI G 4s		5	Green.	Maintained from Apr 21 to 14 Dec
17770	- <i>Lighted Bell Buoy 4</i>	45-46-56.059N 085-09-03.580W	FI R 4s		4	Red.	Maintained from Apr 21 to 14 Dec

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>WAUGOSHANCE POINT TO SEUL CHOIX POINT (Chart 14911)</b>							
<b>Grays Reef Passage Channel</b>							
17775	<b>Grays Reef Light</b>	45-45-56.622N 085-09-13.642W	Fl R 10s	82 25	14	Square tower. 82	Obscured from 080° to 170°. HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates by keying microphone five times on VHF-FM Ch. 83A. AIS MMSI: 993682389
17780	- <i>Lighted Buoy 7</i>	45-45-44.409N 085-08-29.183W	Fl G 4s		5	Green.	Replaced by can from Dec. 14 to Apr. 21. AIS MMSI: 993672227
<b>WAUGOSHANCE POINT TO SEUL CHOIX POINT (Chart 14911)</b>							
17783	<i>GLF Sturgeon Bay Weather Buoy 1</i>	45-42-58.000N 085-05-02.000W	Fl Y 4s				Maintained from Apr. 1 to Oct. 31. Private aid.
17785	Ile Aux Galets Buoy 2 Marks east side of shoal.	45-40-58.861N 085-08-06.869W				Red nun.	
17790	Ile Aux Galets Buoy 9 Marks northwest side of shoal.	45-40-56.872N 085-11-03.054W				Green can.	
17795	<b>Ile Aux Galets Light</b>	45-40-34.968N 085-10-19.684W	Fl W 6s	58 18	11	White octagonal tower. 58	
17800	Dahlia Shoal Buoy 1 Marks southwest side of shoal.	45-37-31.659N 085-12-47.976W				Green can.	
17805	Hog Island Reef Buoy 10 Marks east side of reef.	45-43-13.047N 085-20-19.309W				Red nun.	Seasonal maintained from 21 Apr to 14 Nov
17810	<i>Beaver Island Shoal Northeast End Lighted Buoy 1</i>	45-45-48.877N 085-29-41.177W	Fl G 4s		3	Green.	Maintained from May 7 to Nov. 14.
<b>St. James Harbor</b>							
17815	- Buoy 1	45-43-57.829N 085-29-44.743W				Green can.	
17820	- Buoy 2	45-44-18.729N 085-29-39.744W				Red nun.	
17825	- <i>Lighted Buoy 4</i>	45-44-26.744N 085-30-31.221W	Fl R 4s		4	Red.	Replaced by nun from Nov. 14 to May 7.
17830	- Buoy 6	45-44-46.527N 085-31-00.647W				Red nun.	Maintained from May 7 to Nov. 14.
17835	- Buoy 7	45-44-52.827N 085-30-55.747W				Green can.	Maintained from May 7 to Nov. 14.
17840	- Buoy 8	45-44-51.827N 085-30-54.147W				Red nun.	Maintained from May 7 to Nov. 14.
17845	<b>St. James Light</b>	45-44-34.062N 085-30-31.041W	Iso R 6s	38 12	11	Cylindrical tower. 38	Light obscured from 127°30' to 199°30'.
<b>WAUGOSHANCE POINT TO SEUL CHOIX POINT (Chart 14911)</b>							
17850	<i>Stony Point Shoal Lighted Bell Buoy 1</i> Marks east side of shoal.	45-43-12.049N 085-28-48.093W	Fl G 6s		4	Green.	Replaced by can from Nov. 14 to May 7.
<b>GRAND TRAVERSE BAY TO LITTLE TRAVERSE BAY</b>							
<b>Harbor Springs</b>							
17855	LITTLE TRAVERSE LIGHT	45-25-09.110N 084-58-38.712W	Fl G 6s	72 22	8	White skeleton tower.	
17860	- <i>Special Anchorage Lighted Buoy B</i>	45-25-35.000N 084-59-07.000W	Fl W 2s			White.	Maintained from Apr. 1 to Nov. 1. Private aid.
17865	STATE STREET PIER LIGHT	45-25-43.300N 084-59-16.300W	F R			On top of restaurant with white roof.	Maintained from Apr. 1 to Dec. 1. Private aid.
17870	SPRING STREET PIERHEAD LIGHT	45-25-45.000N 084-59-26.000W	F R			On dock.	Maintained from Apr. 1 to Dec. 1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>GRAND TRAVERSE BAY TO LITTLE TRAVERSE BAY</b>							
<b>Ford Park Channel</b>							
<i>Buoys maintained from Apr. 1 to Nov. 1.</i>							
17875	- Lighted Buoy 1	45-25-35.000N 084-58-55.200W	FI G 2s			Green.	Private aid.
17880	- Lighted Buoy 2	45-25-35.000N 084-58-53.000W	FI R 2s			Red.	Private aid.
17885	- Lighted Buoy 3	45-25-35.000N 084-59-07.000W	FI G 2s			Green.	Private aid.
17890	- Lighted Buoy 4	45-25-35.000N 084-59-07.000W	FI R 2s			Red.	Private aid.
<b>GRAND TRAVERSE BAY TO LITTLE TRAVERSE BAY</b>							
17895	WALSTROM MARINE LIGHT 1	45-25-43.100N 084-58-44.800W	Q G	8 2		On post.	Maintained from Jun. 1 to Oct. 1. Private aid.
17900	WALSTROM MARINE LIGHT 2	45-35-43.200N 084-58-43.900W	Q R	9 3		On post.	Maintained from Jun. 1 to Oct. 1. Private aid.
<b>Harbor Springs</b>							
17902	Zoll Street Channel Lighted Buoy 1	45-25-33.600N 084-58-53.390W	FI G 4s				Private aid.
17902.1	Zoll Street Channel Lighted Buoy 2	45-25-33.500N 084-58-56.890W	FI R 4s				Private aid.
<b>GRAND TRAVERSE BAY TO LITTLE TRAVERSE BAY</b>							
17905	Harbor Springs Special Anchorage Lighted Buoy A	45-25-35.000N 084-58-24.800W	FI W 2s			White.	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>Petoskey</b>							
17915	- LIGHT	45-22-48.369N 084-57-41.386W	FI R 2.5s	44 13	4	White cylindrical tower.	
<b>GRAND TRAVERSE BAY TO LITTLE TRAVERSE BAY</b>							
17916	BAY VIEW LIGHT	45-23-17.776N 084-56-10.306W	FI W 4s	10 3			Private aid.
<b>LAKE CHARLEVOIX</b>							
<b>Charlevoix</b>							
17919	North Point Buoy 13	45-20-45.157N 085-15-26.602W	Q G			Green.	Maintained from 14 Apr. to 14 Nov.
17920	- North Pierhead Light	45-19-14.923N 085-15-53.826W	FI G 2.5s	20 6	10	SG on post. 20	
17925	- South Pierhead Light	45-19-12.961N 085-15-53.778W	FI R 4s	41 13	10	41	HORN: 1 blast ev 30s (3s bl). Operate the fog signal by keying the microphone on channel 83A VHF marine radio five times.
17930	Round Lake Special Anchorage Buoy A	45-19-09.012N 085-15-23.405W				Yellow can.	Maintained from Apr. 14 to Nov. 14.
17935	Round Lake Special Anchorage Buoy B	45-19-07.604N 085-15-19.731W				Yellow can.	Maintained from Apr. 14 to Nov. 14.
17940	Round Lake Special Anchorage Buoy C	45-19-00.967N 085-15-06.348W				Yellow can.	Maintained from Apr. 14 to Nov. 14.
17945	PINE RIVER LIGHT 3	45-18-56.531N 085-14-44.230W	FI G 2.5s	10 3	5	SG on skeleton tower.	
17950	Pine River Channel Lighted Buoy 2	45-18-52.855N 085-14-41.141W	FI R 4s		3	Red.	Maintained from Apr. 14 to Nov. 14.
17955	NORTHWEST MARINE YACHT BASIN LIGHT 4	45-18-26.000N 085-14-43.000W	F R	7 2		TR on pile.	Maintained from May 15 to Nov. 1. Private aid.
17960	NORTHWEST MARINE YACHT BASIN LIGHT 1	45-18-24.000N 085-14-40.000W	F G	6 2		SG on tripod.	Maintained from May 15 to Nov. 1. Private aid.
17965	NORTHWEST MARINE YACHT BASIN LIGHT 3	45-18-24.000N 085-14-43.000W	F G	7 2		SG on pile.	Maintained from May 15 to Nov. 1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>LAKE CHARLEVOIX</b>							
<b>Charlevoix</b>							
<b>Belvedere Club Dock</b>							
<i>Lights maintained from May 1 to Nov. 15.</i>							
17970	- LIGHT A	45-18-57.000N 085-14-57.500W	F R	6 2		On pile.	Private aid.
17975	- LIGHT B	45-18-57.000N 085-14-57.500W	F R	6 2		On pile.	Private aid.
17980	- LIGHT C	45-18-57.000N 085-18-57.000W	F R	6 2		On pile.	Private aid.
17985	- LIGHT D	45-18-57.000N 085-14-57.500W	F R	6 2		On pile.	Private aid.
<b>Charlevoix Floating Breakwall</b>							
<i>Lights maintained from Apr. 1 to Nov. 1.</i>							
17990	- LIGHT	45-18-08.000N 085-14-44.200W	FI W 4s			On floating breakwall.	Private aid.
17995	- LIGHT	45-18-08.000N 085-14-44.200W	FI W 4s			On floating breakwall.	Private aid.
18000	- LIGHT	45-18-08.000N 085-14-44.200W	FI W 4s			On floating breakwall.	Private aid.
18005	- LIGHT	45-18-08.000N 085-14-44.200W	FI W 4s			On floating breakwall.	Private aid.
<b>Charlevoix</b>							
18010	IRISH BOAT SHOP STOVER ROAD LIGHT 2	45-18-07.000N 085-14-45.000W	Oc R 4s	12 4		On post.	Private aid.
18015	IRISH BOAT SHOP STOVER ROAD LIGHT 1	45-18-07.000N 085-14-45.000W	F G	12 4		On post.	Private aid.
18020	IRISH BOAT SHOP FERRY AVENUE LIGHT 2	45-18-19.980N 085-14-44.760W	FI R 4s	4 1		On post.	Maintained from May 1 to Nov 1. Private aid.
18025	IRISH BOAT SHOP FERRY AVENUE LIGHT 1	45-18-31.000N 084-14-45.500W	FI G 2.5s	4 1		On post.	Maintained from May 1 to Nov 1. Private aid.
18036	PINE LAKE CLUB MARINA ENTRANCE LIGHT 1	45-17-39.200N 085-14-35.500W	FI G 2.5s	8 2		SG on post.	Maintained from May 1 to Nov. 1. Private aid.
18037	PINE LAKE CLUB MARINA ENTRANCE LIGHT 2	45-17-39.000N 085-14-36.800W	F R	8 2		TR on post.	Maintained from May 1 to Nov. 1. Private aid.
18040	OYSTER BAY MARINA LIGHT 2	45-18-58.900N 085-12-18.000W	F R	12 4		TR on pile.	Maintained from Apr. 1 to Dec. 1. Private aid.
18045	OYSTER BAY MARINA LIGHT 1	45-18-59.100N 085-12-18.000W	F G	12 4		SG on pile.	Maintained from Apr. 1 to Dec. 1. Private aid.
18046	Old Lumber Crane Crib Buoy	45-19-06.000N 085-14-25.200W				White with orange bands.	Maintained from May 10 to Oct. 30. Private aid.
<b>Haters Dock</b>							
<i>Lights maintained from May 15 to Oct. 15.</i>							
18050	- LIGHT 2	45-14-52.000N 085-10-43.000W	F R	7 2		On pile.	Private aid.
18055	- LIGHT 4	45-14-51.200N 085-10-42.500W	F R	7 2		On pile.	Private aid.
18060	- LIGHT 6	45-14-19.200N 085-10-21.900W	F R	9 3		On post.	Private aid.
18065	- LIGHT 8	45-14-18.200N 085-10-22.000W	F R	9 3		On post.	Private aid.
18067	<i>Horse Point Lighted Buoy 3</i>	45-13-49.891N 085-03-42.936W	FI G 4s		3	Green.	Maintained from Apr. 14 to Nov. 14.
<b>Boyne City</b>							
<b>Harborage Marina</b>							
<i>Lights maintained from Apr. 1 to Dec. 1.</i>							
18070	- WEST ENTRANCE LIGHT 2	45-12-37.500N 085-01-21.000W	Q R	10 3		TR on pile.	Private aid.
18075	- WEST ENTRANCE LIGHT 1	45-12-38.500N 085-01-19.000W	Q G	10 3		SG on post.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>LAKE CHARLEVOIX</b>							
<b>Boyne City</b>							
<b>Harborage Marina</b>							
<i>Lights maintained from Apr. 1 to Dec. 1.</i>							
18080	- EAST BREAKWATER LIGHT	45-12-42.000N 085-01-14.000W	Q W	10 3		NW on post worded DANGER.	Private aid.
18085	- EAST ENTRANCE LIGHT 2	45-12-45.000N 085-01-10.000W	Q R	10 3		TR on post.	Private aid.
18090	- EAST ENTRANCE LIGHT 1	45-12-43.000N 085-01-08.000W	Q G	10 3		SG on post.	Private aid.
<b>GRAND TRAVERSE BAY TO LITTLE TRAVERSE BAY</b>							
18095	MEDUSA CHANNEL BREAKWATER LIGHT	45-19-09.000N 085-17-25.000W	FI R 4s	24 7		On gray pile.	Maintained from Apr. 15 to Dec. 15. Private aid.
18100	<i>South Point Lighted Bell Buoy 2</i> Marks shoal.	45-19-35.628N 085-17-59.398W	FI R 4s		4	Red.	Replaced by nun from Nov. 14 to May. 01.
<b>Grand Traverse Bay</b>							
18105	Fisherman Island Shoal Buoy 1	45-17-51.248N 085-22-10.902W				Green can.	
18110	<b>Grand Traverse Light</b>	45-12-37.771N 085-33-01.141W	FI W 6s	50 15	14	NR on skeleton tower. 50	The light is visible from 260 to 065 degrees true
18115	- <i>Shoal Lighted Bell Buoy 3</i> Marks northwest side of shoal.	45-08-07.831N 085-26-12.031W	FI G 4s		4	Green.	Replaced by can from Nov. 14 to May. 01.
18120	<i>Northport Point Lighted Bell Buoy 2</i> Marks south side of shoal.	45-07-43.571N 085-33-08.591W	FI R 4s		4	Red.	Replaced by nun from Nov. 14 to May. 01.
18125	Northport Bay Shoal Buoy 4 Marks southeast side of shoal.	45-07-41.593N 085-33-59.406W				Red nun.	
18130	Northport Bay Shoal Buoy 6 Marks southwest side of shoal.	45-07-40.928N 085-35-09.534W				Red nun.	
18135	NORTHPORT WEST LIGHT 2	45-07-48.800N 085-36-40.700W	Q R	18 5		TR on post.	Visible from 090° to 135°. Maintained from May 15 to Dec. 1. Private aid.
18140	NORTHPORT EAST LIGHT 1	45-07-48.000N 085-36-39.000W	Q G	18 5		SG on post.	Maintained from May 15 to Dec. 1. Private aid.
18145	MISSION POINT LIGHT	45-01-05.661N 085-30-21.731W	FI W 6s	41 13	6	White cylindrical tower.	
18150	Omena Buoy 2	45-02-04.000N 085-34-19.000W				Red nun.	Maintained from May 1 to Oct. 1. Private aid.
18152	ARTHUR DUHAMEL MARINA LIGHT 1	45-01-56.100N 085-35-51.000W	FI G 2.5s	23 7			Private aid.
18153	ARTHUR DUHAMEL MARINA LIGHT 2	45-01-57.000N 085-35-55.020W	FI R 2.5s	23 7			Private aid.
<b>Elk Rapids</b>							
18155	- <i>Lighted Buoy 1</i>	44-54-09.500N 085-25-04.800W	FI G 2.5s			Green.	Maintained from May 15 to Oct. 15. Private aid.
18157	- <i>Lighted Buoy 2</i>	44-54-08.800N 085-25-06.100W	FI R 2.5s			Red.	Maintained from May 15 to Oct. 15. Private aid.
18160	- BREAKWATER LIGHT 3	44-54-07.100N 085-25-03.100W	FI G 4s	16 5		SG on pile.	Maintained from May 15 to Oct. 15. Private aid.
18162	- BREAKWATER LIGHT 4	44-54-06.600N 085-25-05.000W	FI R 4s	14 4		TR on pile.	Maintained from May 15 to Oct. 15. Private aid.
18165	- Buoy 6	44-54-04.300N 085-25-03.400W				Red nun.	Maintained from May 15 to Oct. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>GRAND TRAVERSE BAY TO LITTLE TRAVERSE BAY</b>							
<b>Elk Rapids</b>							
18167	- Buoy 8	44-54-03.000N 085-25-03.000W				Red nun.	Maintained from May 15 to Oct. 15. Private aid.
18170	- RANGE FRONT LIGHT	44-54-02.000N 085-25-01.800W	F R (NIGHT) F W (DAY)	16 5		KWR on black post.	Maintained from May 15 to Oct. 15. Private aid.
18175	- REAR RANGE LIGHT 490 feet, 159.5° from front light.	44-53-57.100N 085-24-59.700W	F R (NIGHT) F W (DAY)	24 7		KWR on black post.	Maintained from May 15 to Oct. 15. Private aid.
<b>GRAND TRAVERSE BAY TO LITTLE TRAVERSE BAY</b>							
18179	<i>East Grand Traverse Bay Weather Wave Buoy 1</i>	44-46-10.150N 085-33-12.980W	FI W 2.5s				Maintained from May.1 to Nov.31. Private aid.
18180	EAST BAY HARBOR NORTH BREAKWATER LIGHT	44-46-02.500N 085-30-25.000W	Q G	8 2		On post.	Maintained from May 1 to Nov. 1. Private aid.
18185	EAST BAY HARBOR SOUTH BREAKWATER LIGHT	44-46-00.000N 085-30-25.000W	FI R 5s	8 2		On post.	Maintained from May 1 to Nov. 1. Private aid.
<b>Grand Traverse Bay</b>							
18186	<i>West Grand Traverse Bay Research Lighted Buoy</i>	45-11-02.000N 085-27-09.000W	Q Y			Orange Research Buoy w/mast.	Maintained from APR 01 TO NOV 30. Private aid.
18187	- <i>Research Lighted Buoy</i>	45-04-00.000N 085-29-50.000W	Q Y			Yellow Research Buoy w/mast	Maintained from APR 01 TO NOV 30. Private aid.
<b>Suttons Bay</b>							
18190	- YACHT CLUB BASIN LIGHT 2	44-59-00.300N 085-38-28.000W	FI R 2.5s	20 6		TR on post.	Maintained from May 15 to Oct. 15. Private aid.
18195	- YACHT BASIN OBSTRUCTION LIGHT	44-59-00.300N 085-38-28.000W	FI W 2.5s	20 6		NW on post worded DANGER.	Maintained from May 15 to Oct. 15. Private aid.
18200	- Yacht Club Entrance Buoy 3	44-59-00.300N 085-38-28.000W				Green can.	Maintained from May 15 to Oct. 15. Private aid.
18205	- Municipal Entrance Buoy 2S	44-58-33.900N 085-38-41.000W				Red nun.	Maintained from May 1 to Nov. 1. Private aid.
18210	- Municipal Entrance Buoy 3	44-58-31.200N 085-38-43.200W				Green can.	Maintained from May 1 to Nov. 1. Private aid.
18215	- Municipal Entrance Buoy 4	44-58-32.100N 085-38-42.000W				Red nun.	Maintained from May 1 to Nov. 1. Private aid.
18220	- MUNICIPAL DOCK LIGHT 6	44-58-33.000N 085-38-43.500W	Q R	17 5		TR on white post.	Maintained from May 1 to Nov. 30. Private aid.
18225	- MUNICIPAL DOCK LIGHT 7	44-58-30.800N 085-38-44.200W	Q G	17 5		SG on white post.	Maintained from May 1 to Nov. 1. Private aid.
18230	- Municipal Entrance Buoy 9	44-58-32.300N 085-38-45.500W				Green can.	Maintained from May 1 to Nov. 1. Private aid.
18235	- Buoy 1 Marks north side of shoal.	44-59-53.610N 085-36-03.061W				Green can.	
<b>West Arm</b>							
18240	- <i>Lighted Bell Buoy 4</i> Marks shoal.	44-56-02.256N 085-35-29.528W	FI R 4s		4	Red.	Maintained from May. 01 to Nov. 14.
18245	- Buoy 6 Marks south side of shoal.	44-53-14.731N 085-36-21.531W				Red nun.	
18250	Tucker Point Shoal Buoy 1 Marks south side of shoal.	44-52-50.915N 085-33-36.711W				Green can.	

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<b>LAKE MICHIGAN</b>							
<b>GRAND TRAVERSE BAY TO LITTLE TRAVERSE BAY</b>							
<b>West Arm</b>							
18255	Marion Island Shoal Buoy 2 Marks north side of shoal.	44-52-35.892N 085-33-52.061W				Red nun.	
18260	- Buoy 7 Marks wreck.	44-51-14.785N 085-35-48.715W				Green can.	
18265	- <i>Lighted Buoy 8</i>	44-47-33.073N 085-37-22.424W	FI R 4s		5	Red.	Replaced by nun from Nov. 14 to May. 01.
<b>GRAND TRAVERSE BAY TO LITTLE TRAVERSE BAY</b>							
18266	<i>West Grand Traverse Bay Weather Wave Buoy 2</i>	44-47-08.650N 085-37-28.180W	FI W 2.5s				Maintained from May.1 to Nov.31. Private aid.
<b>Traverse City</b>							
18270	- BREAKWATER LIGHT	44-47-18.261N 085-38-00.030W	FI R 2.5s	40 12	5		
18275	- WEST BREAKWATER LIGHT 1	44-47-19.011N 085-38-03.090W	FI G 4s	24 7	4	SG on pile.	
18280	ZEPHYR COMPANY LIGHT	44-46-58.000N 085-38-10.000W	F G	20 6			Private aid.
18285	TOTAL PETRO LIGHT	44-46-54.000N 085-38-12.000W	F G	15 5		On pile.	Operated only for the arrival and departure of tankers. Private aid.
18290	DUNCAN L CLINCH YACHT HARBOR LIGHT	44-46-03.780N 085-37-19.890W	Q G	22 7		SG on pile.	Maintained from May 1 to Nov 1.  Private aid.
18291	DUNCAN L. CLINCH YACHT CLUB LIGHT 2	44-46-06.000N 085-37-18.800W	FI R 2.5s	22 7		TR on pile.	Maintained from May 1 to Nov 1.  Private aid.
18295	BOARDMAN RIVER WEST PIERHEAD LIGHTS (2)	44-45-56.300N 085-36-43.500W	F R	20 6		On black poles.	Private aid.
18300	GREAT LAKES MARITIME ACADEMY WEST PIER LIGHT	44-46-30.000N 085-36-30.000W	FI G 15s	13 4		On Black Tripod tower.	Private aid.
18305	GREAT LAKES MARITIME ACADEMY EAST PIER LIGHT	44-46-00.000N 085-36-18.000W	Q R	13 4		On pile.	Private aid.
<b>PLATTE BAY TO LELAND</b>							
18310	<i>NOAA Lighted Weather Buoy 45002</i>	45-20-39.271N 086-24-41.113W	FI (4)Y 20s			Yellow disc-shaped hull.	Maintained from Apr. 21 to Nov. 1.  Aid maintained by National Oceanic and Atmospheric Administration.
18315	South Fox Island Shoals Buoy 3	45-17-27.248N 085-50-56.609W				Green can.	
18320	South Fox Island Shoals Buoy 4	45-18-34.473N 085-50-40.352W				Red nun.	
18325	South Fox Island Shoals Buoy 2	45-14-50.290N 085-50-13.533W				Red nun.	
18327	NORTH MANITOU ISLAND PIER LIGHT 2	45-07-13.800N 085-58-24.300W	FI R 4s	20 6		TR on post.	Maintained from May 15 to Oct. 30. Private aid.
18328	NORTH MANITOU ISLAND PIER LIGHT 4	45-07-21.000N 085-58-22.000W	FI R 4s	20 6		TR on post.	Maintained from May 15 to Oct. 30. Private aid.
18330	LELAND HARBOR LIGHT 1	45-01-26.701N 085-45-51.811W	FI G 2.5s	25 8	6	SG on post.	
18335	LELAND HARBOR LIGHT 2	45-01-27.791N 085-45-48.511W	FI R 4s	25 8	4	TR on post.	
18340	<b>North Manitou Shoal Light</b> Marks south side of shoal.	45-01-15.627N 085-57-25.716W	FI R 15s	79 24	14		RACON: N ( - . ) HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si). Operates by keying microphone five times on VHF-FM Ch. 83A. AIS: 993686017
18341	<i>North Manitou Island Weather Wave Buoy 1</i>	45-02-41.390N 086-00-54.960W	FI W 2.5s				Maintained from May.1 to Nov.31. Private aid.

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<b>LAKE MICHIGAN</b>							
<b>PLATTE BAY TO LELAND</b>							
18350	<i>Pyramid Point Shoal Lighted Buoy 5</i> Marks north side of shoal.	45-00-00.311N 085-55-37.460W	FI G 4s		5	Green.	Replaced by can from Nov. 14 to Apr. 21. AIS: 993686018
18355	North Manitou Shoal Southwest End Buoy 6	45-00-16.315N 086-00-14.538W				Red nun.	
18357	<b>South Manitou Island Lighthouse</b>	45-00-27.654N 086-05-37.620W	F W	54 16		104	Private aid.
18360	<i>South Manitou Island Shoal Lighted Gong Buoy 8</i>	44-57-26.406N 086-10-02.883W	FI R 4s		4	Red.	Replaced by nun from Nov. 14 to Apr. 21. AIS: 993686019
18365	<i>Sleeping Bear Lighted Bell Buoy 7</i>	44-54-05.010N 086-09-57.381W	FI G 4s		5	Green.	Replaced by can from Nov. 14 to Apr. 21.
18366	<b>Manning Light</b>	44-48-48.000N 086-03-58.000W	FI W 4s	38 12		White circular tower.	Maintained from Apr. 15 to Nov. 15. Private aid.
<b>LAKE MICHIGAN (Chart 14901)</b>							
18367	<i>Frankfort NOAA Wave Buoy 1</i>	44-45-28.000N 086-15-40.000W	FI Y 2.5s				Maintained from May.1 to Dec.1. Private aid.
<b>STONY LAKE TO POINT BETSIE</b>							
18370	<b>Point Betsie Light</b>	44-41-28.562N 086-15-18.789W	FI W 10s	52 16	16	52	
<b>Frankfort</b>							
18375	- <b>North Breakwater Light</b>	44-37-51.158N 086-15-07.739W	F W	72 22	16	White square pyramidal tower. 72	HORN: 1 blast ev 30s (3s bl) operates by keying microphone five times on VHF FM marine CH 83A
18385	- SOUTH BREAKWATER LIGHT	44-37-46.059N 086-15-08.162W	FI R 4s	46 14	8	White cylindrical tower with red band.	
18390	- NORTH PIERHEAD LIGHT	44-37-47.721N 086-14-49.256W	FI G 2.5s	31 9	4	SG on post.	
18395	- SOUTH PIERHEAD LIGHT	44-37-45.132N 086-14-44.493W	FI R 6s	30 9	4	TR on post.	
18405	ARCADIA HARBOR LIGHT 1	44-29-01.144N 086-14-58.156W	FI G 4s	30 9	4	SG on post.	
18410	ARCADIA HARBOR LIGHT 2	44-28-59.074N 086-15-01.611W	FI R 2.5s	30 9	4	White cylindrical tower with red band.	
<b>Portage Lake</b>							
18415	- NORTH PIERHEAD LIGHT	44-21-37.500N 086-16-04.971W	FI G 4s	32 10	5	White cylindrical tower with green band.	HORN: 1 blast ev 15s (2s bl) operat the fog signal by keying VHF FM marine radio 5 times on channel 83A
18420	- SOUTH PIERHEAD LIGHT	44-21-33.767N 086-16-07.205W	FI R 4s	27 8	6		
18425	- INNER LIGHT	44-21-30.935N 086-15-36.117W	FI R 6s	27 8	4	TR on post.	
18427	- <i>Lighted Buoy 3</i> Marks shoal.	44-21-37.030N 086-14-37.031W	FI G 4s		3	Green.	Maintained from Apr. 14 to Oct. 14.
<b>MANISTEE HARBOR</b>							
<b>Manistee</b>							
18450	- <b>North Pierhead Light</b>	44-15-06.532N 086-20-48.726W	FI G 6s	55 17	12	White cylindrical tower. 55	HORN: 1 blast ev 15s (2s bl). Fog signal operates by keying the microphone five times on VHF-FM CH 83A.
18460	- SOUTH BREAKWATER LIGHT	44-15-05.306N 086-20-59.644W	FI R 4s	33 10	5	White cylindrical tower, with red band.	
18465	- SOUTH PIERHEAD LIGHT	44-15-00.393N 086-20-39.909W	Iso R 6s	29 9	4	TR on pole.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>MANISTEE HARBOR</b>							
<b>Manistee Lake</b>							
18480	- Lighted Buoy 2	44-15-11.380N 086-18-47.031W	FI R 2.5s		3	Red.	Maintained from May 14 to Oct. 14.
18483	- Buoy 3	44-15-11.228N 086-18-38.350W				Green can.	
18490	- Obstruction Lighted Buoy A Marks submerged ruins.	44-14-54.500N 086-18-37.000W	FI R 2.5s				Maintained from May 1 to Oct. 31. Private aid.
18495	- Buoy 5	44-15-04.618N 086-18-28.448W				Green can.	
18497	- Buoy 7	44-14-55.070N 086-18-20.241W				Green can.	
18500	- Buoy 9	44-14-37.363N 086-18-14.660W				Green can.	
18505	- Buoy 10	44-14-30.941N 086-18-16.440W				Red nun.	
18510	- Buoy 12	44-14-23.786N 086-18-14.622W				Red nun.	
18515	- Buoy 13	44-14-14.991N 086-18-09.420W				Green can.	
18520	- Buoy 14	44-13-56.901N 086-17-59.789W				Red nun.	
<b>STONY LAKE TO POINT BETSIE</b>							
18525	BIG SABLE LIGHT	44-03-27.869N 086-30-51.603W	F W	106 32	9	White conical tower with top and middle third black with dwelling attached.	Obscured from 238° to 346°.
<b>LAKE SUPERIOR</b>							
<b>GRAND PORTAGE BAY TO SHESHEEB POINT</b>							
<b>Thunder Bay</b>							
18528	UCSD CDIP - 269 Weather Wave Buoy 1	44-03-18.000N 087-03-00.000W	FI Y 5s				Maintained from May.1 to Nov.30. Private aid.
<b>LAKE MICHIGAN</b>							
<b>LUDINGTON HARBOR</b>							
<b>Ludington</b>							
18530	- NORTH BREAKWATER LIGHT	43-57-13.032N 086-28-09.768W	Iso G 6s	55 17	8		HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates by keying microphone five times on VHF-FM CH 83A
18540	- NORTH PIERHEAD LIGHT	43-57-10.592N 086-27-45.062W	FI G 4s	26 8	5	SG on white column.	
18550	- INNER BREAKWATER SOUTH LIGHT	43-57-14.400N 086-27-45.000W	Q W	16 5		On steel pile.	Maintained from Apr. 1 to Nov. 15. Private aid.
18555	- SOUTH BREAKWATER LIGHT	43-57-06.786N 086-28-08.875W	FI R 2.5s	30 9	6	White cylindrical tower with red band.	
18560	- SOUTH PIERHEAD LIGHT 6	43-57-05.680N 086-27-36.131W	FI R 4s	30 9	5	TR on post.	
<b>Pere Marquette Lake</b>							
18565	- Lighted Buoy 1	43-56-43.728N 086-26-48.899W	FI G 2.5s		4	Green.	Maintained from May 14 to Oct. 14.
18570	- Buoy 3	43-56-45.648N 086-26-38.579W				Green can.	Maintained from May 14 to Oct. 14.
18575	- Buoy 5	43-56-46.518N 086-26-35.179W				Green can.	Maintained from May 14 to Oct. 14.
18580	- West Buoy 2 Marks submerged piling.	43-56-31.538N 086-26-57.979W				Red nun.	Maintained from May 14 to Oct. 14.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>STONY LAKE TO POINT BETSIE</b>							
<b>Consumer Power Company</b>							
<i>Buoys maintained from Apr. 15 to Oct. 15. Buoys are located 230 feet apart, 100 feet off breakwall and lighted buoys mark submerged net.</i>							
18585	- Lighted Obstruction Buoy A	43-54-25.000N 086-27-38.000W	Q W			White with orange diamond.	Private aid.
18590	- Lighted Obstruction Buoy B	43-54-15.000N 086-27-38.000W	Q W			White with orange diamond.	Private aid.
18595	- Lighted Obstruction Buoy C	43-53-58.000N 086-27-54.000W	Q W			White with orange diamond.	Private aid.
18600	- Lighted Obstruction Buoy D	43-53-37.000N 086-27-59.000W	Q W			White with orange diamond.	Private aid.
18605	- Lighted Obstruction Buoy E	43-53-03.000N 086-27-58.000W	Q W			White with orange diamond.	Private aid.
18610	- Lighted Ostruction Buoy F	43-53-11.000N 086-27-32.000W	Q W			White with orange diamond.	Private aid.
18615	- Lighted Obstruction Buoy G	43-53-11.000N 086-27-06.000W	Q W			White with orange diamond.	Private aid.
<b>STONY LAKE TO POINT BETSIE</b>							
18617	<i>Comanche Wreck Mooring Buoy</i>	43-50-15.180N 086-29-01.380W					Private aid.
<b>Pentwater</b>							
18620	- NORTH PIERHEAD LIGHT 3	43-46-56.383N 086-26-37.016W	FI G 2.5s	43 13	9	White cylindrical tower with green band.	HORN: 1 blast ev 15s (2s bl). Operates by keying microphone five times on VHF-FM CH 83A
18630	- SOUTH PIERHEAD LIGHT 4	43-46-53.571N 086-26-38.923W	FI R 4s	48 15	4	TR on red skeleton tower.	
18633	<i>Anna C. Minch Wreck Mooring Buoy</i>	43-45-42.060N 086-27-50.040W					Private aid.
<b>GREEN BAY</b>							
<b>Green Bay Harbor</b>							
<b>Green Bay Harbor Entrance Channel</b>							
<b>UPPER GREEN BAY</b>							
18648	<i>GLERL Muskegon M20</i>	43-11-06.320N 086-21-16.700W	FI Y 4s				Maintained from Apr. 1 to Nov. 15. Secured with two point mooring system, lighted spar buoys with same flash characteristics marking mooring locations. Private aid.
18648.1	<i>GLERL M45F</i>	43-13-50.220N 086-28-00.660W	Q Y				Maintained from Apr. 1 to Nov. 15. Private aid.
18649	<i>State of Michigan Wreck Mooring Buoy</i>	43-23-20.100N 086-27-51.060W					Private aid.
<b>LAKE MICHIGAN</b>							
<b>WHITE LAKE</b>							
<b>White Lake</b>							
18650	- NORTH PIERHEAD LIGHT 1	43-22-31.760N 086-25-45.280W	FI G 6s	25 8	8	White column with green band.	
18655	- SOUTH PIERHEAD LIGHT 2	43-22-29.700N 086-25-46.440W	FI R 4s	33 10	5	TR on post.	
18660	- PIERHEAD INNER LIGHT 4	43-22-30.100N 086-25-20.490W	FI R 2.5s	30 9	4	TR on post.	
18665	- Lighted Buoy 5	43-22-30.030N 086-25-10.030W	FI G 2.5s		3	Green.	Maintained from Apr. 21 to Nov. 14.
18670	- Lighted Buoy 7	43-22-28.152N 086-25-03.167W	FI G 4s		3	Green.	Maintained from Apr. 21 to Nov. 14.
18675	- Lighted Buoy 9	43-22-33.918N 086-23-43.247W	FI G 2.5s		3	Green.	Maintained from Apr. 21 to Nov. 14.
18680	- Lighted Buoy 11	43-23-04.378N 086-22-41.498W	FI G 6s		3	Green.	Maintained from Apr. 21 to Nov. 14.
18685	- Lighted Buoy 12	43-23-33.009N 086-21-59.892W	FI R 4s		3	Red.	Maintained from Apr. 21 to Nov. 14.

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<b>LAKE MICHIGAN</b>							
<b>WHITE LAKE</b>							
<b>White Lake</b>							
18690	- LIGHT 14	43-24-05.879N 086-21-18.512W	FI R 2.5s	12 4	4	TR on pile.	
18695	- LIGHT 15	43-24-13.715N 086-21-16.646W	FI G 4s	12 4	4	SG on pile.	
<b>MUSKEGON LAKE</b>							
<b>Muskegon</b>							
18705	- SOUTH BREAKWATER LIGHT	43-13-26.727N 086-20-48.834W	Iso R 6s	70 21	8	Pyramidal tower.	HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si). Fog signal operates by keying the microphone five times on VHF-FM CH 83A
18710	- SOUTH PIERHEAD LIGHT	43-13-35.981N 086-20-28.574W	FI R 4s	50 15	6	Conical tower.	
18720	- NORTH BREAKWATER LIGHT	43-13-31.869N 086-20-52.976W	FI G 4s	34 10	4	White cylindrical tower with green band.	
18725	- NORTH PIER OUTER LIGHT	43-13-39.339N 086-20-30.605W	FI G 6s	30 9	4	SG on post.	
18730	- NORTH PIER INNER LIGHT	43-13-58.366N 086-19-40.273W	FI G 4s	30 9	4	SG on post.	
18735	- LAKE LIGHT	43-13-54.153N 086-19-38.330W	FI R 2.5s	28 9	4	White cylindrical tower with red band.	
18740	HARBOUR TOWNE ENTRANCE LIGHT 1	43-13-42.700N 086-19-27.100W	F G	8 2		On tower.	Maintained from Apr. 1 to Dec. 1. Private aid.
18745	HARBOUR TOWNE ENTRANCE LIGHT 2	43-13-42.600N 086-19-28.100W	F R	8 2		On tower.	Maintained from Apr. 1 to Dec. 1. Private aid.
18750	- <i>Lake Lighted Buoy 3</i>	43-13-55.080N 086-18-04.247W	FI G 2.5s		4	Green.	Maintained from Apr. 1 to Nov. 21.
18770	BEAR LAKE ENTRANCE WEST LIGHT	43-14-22.500N 086-17-52.320W	FI G 4s	8 2		SB on piling.	Maintained from Apr. 1 to Nov. 1. Private aid.
18775	BEAR LAKE ENTRANCE EAST LIGHT	43-14-22.260N 086-17-50.640W	F R	8 2		TR on pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
18780	BEAR LAKE CHANNEL LIGHT 1	43-14-42.000N 086-17-44.460W	Q G	6 2		SG on pile	Maintained from Apr 1 to Nov 1. Private aid.
<b>Great Lakes Marina Entrance</b>							
<i>Lights maintained from Apr. 15 to Dec. 12.</i>							
18785	- LIGHT 1	43-13-20.500N 086-17-38.100W	Q G	10 3		SG on pile.	Private aid.
18790	- LIGHT 2	43-13-20.500N 086-17-40.100W	Q R	11 3		TR on pile.	Private aid.
18795	- LIGHT 3	43-13-15.500N 086-17-38.100W	FI G 2.5s	10 3		SG on pile.	Private aid.
18800	- LIGHT 4	43-13-15.500N 086-17-40.100W	FI R 2.5s	11 3		TR on pile.	Private aid.
18805	- LIGHT 5	43-13-09.500N 086-17-38.100W	FI G 4s	10 3		SG on pile.	Private aid.
18810	- LIGHT 6	43-13-09.500N 086-17-40.100W	FI R 4s	10 3		TR on pile.	Private aid.
18815	BANK POINT LIGHT Marks south side of shoal.	43-13-49.530N 086-17-24.130W	FI G 4s	24 7	5	SG on post on concrete pier.	
<b>Muskegon</b>							
18818	<i>GVSU Research Buoy</i>	43-14-17.660N 086-16-49.914W	FI Y 4s				Secured with two point mooring system, spar buoys marking mooring locations.  Maintained from Apr. 7 to Nov. 7. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>MUSKEGON LAKE</b>							
<b>Lakeshore Yacht Club Channel</b>							
<i>Aids maintained from Apr. 15 to Oct. 15.</i>							
18820	- Lighted Buoy 1	43-13-47.900N 086-16-46.200W	FI G 4s			Green.	Private aid.
18825	- Lighted Buoy 2	43-13-47.200N 086-16-48.100W	FI R 4s			Red.	Private aid.
18830	- Buoy 3	43-13-46.500N 086-16-42.500W				Green can.	Private aid.
18835	- Buoy 4	43-13-45.500N 086-16-44.000W				Red nun.	Private aid.
18840	- Buoy 5	43-13-44.900N 086-16-38.800W				Green can.	Private aid.
18845	- Buoy 6	43-13-44.000N 086-16-40.200W				Red nun.	Private aid.
18850	- Buoy 7	43-13-43.000N 086-16-34.500W				Green can.	Private aid.
18855	- Buoy 8	43-13-42.300N 086-16-36.500W				Red nun.	Private aid.
18870	- LIGHT 10	43-13-41.800N 086-16-34.800W	F R	12 4		TR on post.	Private aid.
18871	- LIGHT 11	43-13-41.100N 086-16-33.000W	F G	12 4		SG on post.	Private aid.
18875	MUSKEGON HARTSHORN LIGHT Marks north side of shoal.	43-14-05.080N 086-16-32.857W	FI R 4s	15 5	3	TR on column.	
<b>Hartshorn Municipal Marina</b>							
<i>Aids maintained from Apr. 15 to Oct. 15.</i>							
18881	- Lighted Buoy 1	43-14-05.831N 086-16-06.258W	FI G 4s			Green.	Private aid.
18882	- Lighted Buoy 2	43-14-05.520N 086-16-08.772W	FI R 4s			Red.	Private aid.
18883	- Buoy 3	43-13-58.020N 086-16-01.608W				Green can.	Private aid. Private aid.
18884	- Lighted Buoy 4	43-13-57.800N 086-16-03.720W	FI R 2s			Red.	Private aid.
18885	- LIGHT 5	43-13-52.600N 086-16-00.500W	Iso G 12s	15 5		On tripod.	Private aid.
18890	- LIGHT 6	43-13-51.700N 086-16-00.500W	Iso R 10s	15 5		On tripod.	Private aid.
18895	- BASIN LIGHT	43-43-47.000N 086-15-57.500W	F R	18 5		On pole.	Private aid.
18900	Verplank Channel Buoy 2	43-14-41.658N 086-15-09.564W					Private aid.
18905	Verplank Channel Buoy 4	43-14-40.716N 086-15-03.828W					Private aid.
<b>Conservation Club Channel</b>							
<i>Aids maintained from May. 1 to Nov. 1.</i>							
18925	- Lighted Buoy 1	43-15-27.000N 086-15-28.000W	FI G 2s			Green.	Private aid.
18930	- Lighted Buoy 2	43-15-25.000N 086-15-22.000W	FI R 2s			Red.	Private aid.
18935	- Lighted Buoy 3	43-15-28.000N 086-15-25.000W	Q G			Green.	Private aid.
18940	- Buoy 4	43-15-30.000N 086-15-21.000W				Red nun.	Private aid.
18950	- Buoy 6	43-15-30.000N 086-15-20.000W				Red.	Private aid.
<b>GRAND HAVEN AND GRAND RIVER (Chart 14933)</b>							
<b>Grand Haven</b>							
18965	- South Pierhead Entrance Light	43-03-24.940N 086-15-21.450W	FI R 10s	42 13	15	Red fog signal building. 42	Fog Signal operates by keying the microphone five times on VHF-FM CH 83A. HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>GRAND HAVEN AND GRAND RIVER (Chart 14933)</b>							
<b>Grand Haven</b>							
18975	- SOUTH PIERHEAD INNER LIGHT	43-03-25.965N 086-15-13.661W	Oc R 4s	52 16	6	Red cylindrical tower.	
18980	- NORTH PIERHEAD LIGHT 1	43-03-29.441N 086-15-21.235W	FI G 4s	36 11	6	White cylindrical tower with green band.	
<b>Grand River</b>							
<i>Unlighted buoys maintained from May 1 to Nov. 1.</i>							
18995	- Lighted Buoy 3	43-03-44.960N 086-14-17.362W	FI G 2.5s		3	Green.	Replaced by can from Nov. 28 to April 1.
19000	- Lighted Buoy 3A	43-03-49.394N 086-14-13.022W	FI G 4s		3	Green.	Replaced by can from Nov. 28 to April 1.
19005	- Lighted Buoy 4	43-04-15.725N 086-14-08.991W	FI R 4s		3	Red.	Replaced by nun from Nov. 28 to April 1.
19010	- Buoy 6	43-04-26.766N 086-14-05.598W					Maintained from Apr. 1 to Nov. 1.
19015	- Buoy 7	43-04-35.430N 086-14-00.930W				Green can.	Maintained from Apr. 1 to Nov. 1.
19020	- Lighted Buoy 8	43-04-34.241N 086-13-57.791W	FI R 2.5s		3	Red.	Replaced by nun from Nov. 28 to April 1.
19025	- Buoy 10	43-04-37.972N 086-13-49.974W				Red nun.	
19030	- Turning Basin Buoy 12	43-04-34.908N 086-13-23.571W				Red nun.	Maintained from Apr. 1 to Nov. 1.
19035	- Lighted Buoy 14	43-04-29.069N 086-12-59.508W	FI R 2.5s		3	Red.	Maintained from April 1 to Nov. 1.
19040	SPRING LAKE OBSTRUCTION LIGHT	43-04-38.924N 086-12-49.871W	FI W 2.5s	15 5	5	3 NW on pile worded DANGER.	
19043	SPRING LAKE YACHT CLUB LIGHT A	43-04-55.770N 086-11-40.350W	F W				Maintained from Apr. 1 to Nov. 1. Private aid.
19043.1	SPRING LAKE YACHT CLUB LIGHT B	43-04-55.820N 086-11-36.680W	F W				Maintained from Apr. 1 to Nov. 1. Private aid.
19043.2	SPRING LAKE YACHT CLUB LIGHT C	43-04-56.470N 086-11-33.700W	F W				Maintained from Apr. 1 to Nov. 1. Private aid.
19043.3	SPRING LAKE YACHT CLUB LIGHT D	43-04-57.230N 086-11-32.430W	F W				Maintained from Apr. 1 to Nov. 1. Private aid.
19045	- Lighted Buoy 14A	43-04-27.636N 086-12-45.375W	FI R 6s		3	Red.	Maintained from April 1 to Nov. 1.
19050	- Lighted Buoy 15	43-04-24.738N 086-12-36.597W	FI G 4s		3	Green.	Maintained from April 1 to Nov. 1.
19051	- Lighted Buoy 15A	43-04-18.708N 086-12-32.868W	FI G 6s		3	Green.	Maintained from April 1 to Nov. 1.
19055	- Lighted Buoy 16	43-04-24.228N 086-12-37.803W	FI R 4s		3	Red.	Maintained from April 1 to Nov. 1.
19060	- Lighted Buoy 16A	43-04-13.317N 086-12-31.675W	FI R 6s		3	Red.	Maintained from April 1 to Nov. 1.
19065	- Buoy 17	43-04-04.680N 086-12-21.530W				Green can.	
19070	- Buoy 19	43-03-56.544N 086-12-13.051W				Green can.	
19075	- Buoy 20	43-03-54.030N 086-12-13.130W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>GRAND HAVEN AND GRAND RIVER (Chart 14933)</b>							
<b>Grand Haven</b>							
<b>Grand River</b>							
<i>Unlighted buoys maintained from May 1 to Nov. 1.</i>							
19080	- Buoy 21	43-03-50.865N 086-11-59.542W				Green can.	
19085	- Buoy 22	43-03-46.539N 086-11-47.064W				Red nun.	
19090	- Buoy 23	43-03-40.230N 086-11-19.730W				Green can.	
19095	- Buoy 24	43-03-26.628N 086-10-32.610W				Red nun.	
19100	- Buoy 26	43-03-19.454N 086-10-09.901W				Red nun.	
19103	- Buoy 27	43-03-10.137N 086-09-49.015W	(NIGHT)  (DAY)			Green Can.	Maintained from May 1 to Nov 1.
19105	- Buoy 28	43-03-08.830N 086-09-50.330W				Red nun.	
19110	- Buoy 29	43-02-40.230N 086-09-38.630W				Green can.	
19115	- Buoy 30	43-02-40.846N 086-09-39.941W				Red nun.	
19120	- Buoy 31	43-02-21.030N 086-09-42.630W				Green can.	
19125	- Buoy 33	43-02-10.530N 086-09-41.130W				Green can.	
19130	- Buoy 35	43-01-55.930N 086-09-35.630W				Green can.	
19135	- Buoy 37	43-01-31.330N 086-09-02.830W				Green can.	
19140	- Buoy 39	43-01-33.430N 086-08-53.930W				Green can.	
19145	- Buoy 40	43-01-51.930N 086-08-38.630W				Red nun.	
19150	- Buoy 42	43-02-10.263N 086-08-33.174W				Red nun.	
19155	- Buoy 44	43-02-19.844N 086-08-23.902W				Red nun.	
19160	- Buoy 46	43-02-25.730N 086-08-13.030W				Red nun.	
19165	- Buoy 48	43-02-29.201N 086-08-02.019W				Red nun.	
19170	- Buoy 50	43-02-30.255N 086-07-48.631W				Red nun.	
19175	- Buoy 51	43-02-24.030N 086-07-11.930W				Green can.	
19180	- Buoy 52	43-02-22.468N 086-06-39.165W				Red nun.	
19185	- Buoy 54	43-02-25.030N 086-06-11.130W				Red nun.	
19190	- Buoy 55	43-02-24.171N 086-05-44.922W				Green can.	
19195	- Buoy 57	43-02-23.830N 086-05-19.730W				Green can.	
19200	- Buoy 59	43-02-26.530N 086-04-56.630W				Green can.	
19205	- Buoy 60	43-02-27.830N 086-04-45.630W				Red nun.	
19210	- Buoy 62	43-02-30.539N 086-04-24.198W				Red nun.	
19215	- Buoy 64	43-02-26.784N 086-04-01.359W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>GRAND HAVEN AND GRAND RIVER (Chart 14933)</b>							
<b>Grand Haven</b>							
<b>Grand River</b>							
<i>Unlighted buoys maintained from May 1 to Nov. 1.</i>							
19220	- Buoy 66	43-02-19.030N 086-03-37.130W				Red nun.	
19225	- Buoy 67	43-02-07.330N 086-03-11.230W				Green can.	
19230	- Buoy 68	43-01-55.930N 086-02-47.630W				Red nun.	
19235	- Buoy 69	43-01-46.730N 086-02-26.830W				Green can.	
19240	- Buoy 71	43-01-42.130N 086-02-10.330W				Green can.	
19245	- Buoy 72	43-01-37.530N 086-01-59.730W				Red nun.	
19250	- Buoy 74	43-01-25.230N 086-01-31.930W				Red nun.	
19255	- Buoy 76	43-01-09.130N 086-01-12.830W				Red nun.	
19260	- Danger Buoy	43-01-03.134N 086-01-09.222W				White can with orange bands worded DANGER END OF DREDGED CHANNEL	
<b>Grand Haven</b>							
19261	<i>Ironsides Wreck Mooring Buoy</i>	43-02-55.799N 086-19-08.999W					Private aid.
<b>SOUTH HAVEN TO STONEY LAKE (Chart 14906)</b>							
<b>Port Sheldon</b>							
19270	- BREAKWATER NORTH LIGHT	42-54-00.000N 086-13-06.000W	FI G 4s	14 4		Column.	Maintained from Apr. 1 to Oct. 31. Private aid.
19275	- BREAKWATER SOUTH LIGHT	42-54-00.000N 086-03-06.000W	FI R 4s	14 4		Column.	Maintained from Apr. 1 to Oct. 31. Private aid.
<b>HOLLAND HARBOR</b>							
<b>Holland Harbor</b>							
19280	- NORTH BREAKWATER LIGHT	42-46-24.430N 086-12-56.930W	FI G 6s	27 8	7	White cylindrical tower with green band.	
19285	- SOUTH BREAKWATER LIGHT	42-46-21.130N 086-12-56.930W	FI R 4s	27 8	5	White cylindrical tower with red band.	HORN: 1 blast ev 30s (3s blast). Operates by keying microphone five times on VHF-FM Ch. 83A.
19290	- NORTH PIERHEAD LIGHT	42-46-23.880N 086-12-45.786W	FI G 4s	25 8	4	SG on cylindrical tower.	
19295	- <b>South Pierhead Light</b>	42-46-21.550N 086-12-45.023W	AI WR 10s	52 16	W 19 R 17	On square tower on building. 52	
<b>Lake Macatawa</b>							
19305	- LIGHT	42-46-19.630N 086-12-24.330W	FI R 2.5s	24 7	4	TR on column.	Not visible westward.
19310	- <i>Lighted Buoy 1</i>	42-46-18.311N 086-12-03.878W	FI G 2.5s		4	Green.	Replaced by can from Nov. 7 to Apr. 14.
19320	<i>Big Bay Lighted Buoy 1</i>	42-46-51.588N 086-11-02.149W	FI G 6s		3	Green.	Maintained from Apr. 14 to Nov. 14.
19325	<i>Big Bay Lighted Buoy 2</i>	42-46-52.494N 086-10-57.396W	FI R 6s		3	Red.	Maintained from Apr. 14 to Nov. 14.
19330	Big Bay Buoy 3	42-47-04.050N 086-10-58.673W				Green can.	Maintained from Apr. 14 to Nov. 14.
19335	MIDDLE GROUND LIGHT 3 Marks southeast side of shoal.	42-46-45.352N 086-10-41.064W	FI G 4s	23 7	4	SG on column on cylindrical base.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>HOLLAND HARBOR</b>							
<b>Holland Harbor</b>							
<b>Lake Macatawa</b>							
19340	DRAKE POINT LIGHT 4 Marks north side of shoal.	42-46-44.070N 086-10-22.483W	FI R 4s	23 7	4	TR on column on cylindrical base.	
19345	- Buoy 5	42-46-44.485N 086-09-53.321W				Green can.	
19350	- <i>Lighted Buoy 6</i>	42-46-43.088N 086-09-53.592W	FI R 6s		4	Red.	Replaced by nun from Nov. 7 to Apr. 14.
19375	POINT SUPERIOR LIGHT 7	42-46-44.550N 086-09-16.140W	FI G 4s	23 7	4	SG on column on cylindrical base.	
19380	- Buoy 9	42-46-41.179N 086-09-08.335W				Green can.	
19385	- <i>Lighted Buoy 10</i>	42-46-39.202N 086-09-02.068W	FI R 2.5s		4	Red.	Replaced by nun from Nov. 7 to Apr. 14.
19390	- Buoy 11	42-46-42.980N 086-08-57.402W				Green can.	
19393	- Buoy 12	42-46-53.333N 086-08-30.255W				Red nun.	
19395	- Buoy 13	42-46-58.859N 086-08-21.761W				Green can.	
19400	- <i>Lighted Buoy 14</i>	42-47-05.213N 086-08-03.180W	FI R 4s		4	Red.	Replaced by nun from Nov. 7 to Apr. 14.
19405	- Buoy 15	42-47-15.068N 086-07-45.087W				Green can.	
19410	- <i>Lighted Buoy 16</i>	42-47-22.010N 086-07-25.502W	FI R 2.5s		4	Red.	Replaced by nun from Nov. 7 to Apr. 14.
19415	- Buoy 17	42-47-27.018N 086-07-16.770W				Green can.	
19420	- <i>Lighted Buoy 19</i>	42-47-34.566N 086-07-10.714W	FI G 4s		4	Green.	Replaced by can from Nov. 7 to Apr. 14.
19425	- Buoy 21	42-47-38.628N 086-06-59.114W				Green can.	
19430	- Buoy 23	42-47-46.780N 086-06-53.432W				Green can.	Maintained from Apr. 14 to Nov. 07.
19435	- Buoy 25	42-47-53.478N 086-06-49.389W				Green can.	Maintained from Apr. 14 to Nov. 07.
19440	- Buoy 26	42-47-53.024N 086-06-48.035W				Red nun.	Maintained from Apr. 14 to Nov. 07.
<b>SOUTH HAVEN TO STONY LAKE (Chart 14906)</b>							
<b>Saugatuck</b>							
19445	- SOUTH PIERHEAD LIGHT	42-40-36.029N 086-12-59.030W	FI R 4s	30 9	7	Cylindrical structure with red band.	HORN: 1 blast ev 15s (2s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
19450	- NORTH PIERHEAD LIGHT	42-40-38.910N 086-12-57.440W	FI G 4s	30 9	5	Cylindrical structure with green band.	
<b>Kalamazoo River</b>							
<i>Buoys maintained from May 14 to Nov. 7.</i>							
19455	- Buoy 2	42-40-32.730N 086-12-22.830W				Red nun.	
19460	- Buoy 4	42-40-35.130N 086-12-12.330W				Red nun.	
19465	- Buoy 5	42-40-23.330N 086-11-54.830W				Green can.	
19470	- Buoy 6	42-40-19.330N 086-11-53.730W				Red nun.	
19475	- Buoy 8	42-39-54.029N 086-12-03.830W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>SOUTH HAVEN TO STONY LAKE (Chart 14906)</b>							
<b>Saugatuck</b>							
<b>Kalamazoo River</b>							
<i>Buoys maintained from May 14 to Nov. 7.</i>							
19480	- Buoy 9	42-39-50.829N 086-12-04.830W				Green can.	
19485	- Buoy 11	42-39-42.823N 086-12-17.905W				Green can.	
19490	- Buoy 12	42-39-40.229N 086-12-22.230W				Red nun.	
19495	- Buoy 14	42-39-28.429N 086-12-24.030W				Red nun.	
<b>South Haven</b>							
19505	- <b>South Pierhead Light</b>	42-24-04.859N 086-17-16.669W	F R	37 11	13	Red conical tower. 37	Fog Signal operates by keying the microphone five times on VHF-FM CH 83A. HORN: 2 blast ev 30s (2s bl-2s si-2s bl-24s si).
19510	- NORTH PIER LIGHT	42-24-06.829N 086-17-17.529W	Fl G 4s	28 9	6	On pole.	
<b>Palisades Nuclear Security Zone</b>							
<i>Buoys maintained from Apr. 15 to Nov. 1.</i>							
19511	- No Entry Buoy A	42-19-12.000N 086-19-24.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
19511.1	- No Entry Buoy B	42-19-17.000N 086-19-37.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
19511.2	- No Entry Buoy C	42-19-22.000N 086-19-54.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
19511.3	- No Entry Buoy D	42-19-33.000N 086-19-48.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
19511.4	- No Entry Buoy E	42-19-44.000N 086-19-42.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
19511.5	- No Entry Buoy F	42-19-39.000N 086-19-24.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
19511.6	- No Entry Buoy G	42-19-35.000N 086-19-07.000W				White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
<b>ST. JOSEPH AND BENTON HARBOR</b>							
<b>St. Joseph</b>							
19515	- <b>North Pierhead Light</b>	42-06-59.098N 086-29-40.350W	Fl W 2.5s	31 9	12	White cylindrical tower. 31	
19520	- <b>North Pier Inner Light</b>	42-06-57.819N 086-29-36.510W	Iso W 2s	53 16	7	Octagonal tower. 53	
19525	- SOUTH PIERHEAD LIGHT	42-06-54.989N 086-29-39.426W	Iso R 6s	25 8	5		
19527	- COAST GUARD LIGHT	42-06-47.848N 086-29-04.003W	Fl Y 4s	26 8	4		
19530	- River Buoy 3	42-06-44.909N 086-28-34.429W				Green can.	Maintained from Apr. 28 to Nov. 1.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>ST. JOSEPH AND BENTON HARBOR</b>							
<b>St. Joseph</b>							
<b>Donald S. Cook Nuclear Security Zone</b>							
<i>Buoys maintained from Apr. 1 to Nov. 15</i>							
19534	<i>Donald C. Cook Nuclear Security Zone No Entry Buoy A</i>	41-58-31.980N 086-34-18.500W	Iso W 2s			White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
19534.1	<i>Donald C. Cook Nuclear Security Zone No Entry Buoy B</i>	41-58-35.340N 086-34-35.460W	Iso W 2s			White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
19534.2	<i>Donald C. Cook Nuclear Security Zone No Entry Buoy C</i>	41-58-40.380N 086-34-33.660W	Iso W 2s			White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
19534.3	<i>Donald C. Cook Nuclear Security Zone No Entry Buoy D</i>	41-58-46.140N 086-34-31.500W	Iso W 2s			White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
19534.4	<i>Donald C. Cook Nuclear Security Zone No Entry Buoy E</i>	41-58-42.780N 086-34-14.940W	Iso W 2s			White can with orange bands and exclusion symbol worded NO ENTRY.	Private aid.
<b>WAUKEGAN TO SOUTH HAVEN (Chart 14905)</b>							
<b>New Buffalo</b>							
19535	- HARBOR LIGHT 1	41-48-08.489N 086-45-08.630W	FI G 2.5s	25 8	6	SG on column.	
19540	- HARBOR LIGHT 2	41-48-06.149N 086-45-05.102W	FI R 2.5s	25 8	6	TR on column.	
<b>Michigan City</b>							
19544	<i>Purdue Research Lighted Buoy A</i>	41-45-19.800N 086-58-33.960W	STROBE			Yellow	Maintained from May 1 to Nov. 1 Private aid.
19545	- <b>East Pierhead Light</b>	41-43-44.074N 086-54-41.672W	Oc W 4s	55 17	10	White octagonal tower with red roof attached to fog signal building. 55	HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates by keying microphone five times on VHF-FM Ch. 83A.
19555	- BREAKWATER LIGHT	41-43-48.214N 086-54-50.179W	FI R 4s	36 11	6	TR on pyramidal structure with red band.	
19560	- BREAKWATER SOUTH LIGHT	41-43-36.905N 086-54-58.728W	FI Y 2.5s	33 10	4	NY on pyramidal structure.	
19565	- WEST PIERHEAD LIGHT	41-43-36.016N 086-54-36.080W	FI R 6s	41 13	4	TR on tower.	
19570	- OUTER BASIN LIGHT	41-43-32.542N 086-54-31.423W	FI G 4s	25 8	4	SG on pile.	
<b>Burns Harbor</b>							
19575	BAILEYTOWN WATER INTAKE CRIB LIGHT	41-38-58.614N 087-07-21.864W	Q W	14 4		Skeleton tower.	Maintained from Apr. 1 to Dec. 1. Private aid.
19580	- EAST LIGHT	41-38-58.000N 087-07-52.000W	FI W 2s	38 12		On pile.	Private aid.
19583	- Shoal Buoy 1	41-39-10.716N 087-08-07.479W				Green can	
19585	- NORTH LIGHT 2	41-38-55.829N 087-08-45.610W	FI R 2.5s	36 11	7	TR on pile.	
19590	- SOUTH LIGHT 3	41-38-47.329N 087-08-49.130W	FI G 4s	47 14	8	White cylindrical tower with green band.	
19595	BURNS WATERWAY JETTY NORTH LIGHT 1	41-38-03.698N 087-10-41.755W	FI G 6s	27 8	7	White cylindrical tower with green band.	
19600	BURNS WATERWAY WEST PIER LIGHT 2	41-38-00.541N 087-10-40.078W	FI R 2.5s	27 8	6	TR on post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>CHICAGO LAKE FRONT (Chart 14927)</b>							
<b>Gary</b>							
19605	- BULKHEAD LIGHT	41-37-26.598N 087-17-19.836W	FI R 4s	20 6		On cylindrical tower.	Private aid.
19610	- BREAKWATER LIGHT	41-37-49.146N 087-19-13.098W	FI (3)R 40s 2s fl 8s ec. 2s fl 8s ec. 2s fl 18s ec.	40 12		On cylindrical tower.	Standby light. HORN: 1 blast ev 30s (2s bl). Private aid.
19615	- EAST PIERHEAD LIGHT	41-37-27.921N 087-19-27.055W	F W	30 9		On post.	Operates during navigation season only. Private aid.
19620	- WEST PIERHEAD LIGHT	41-37-28.298N 087-19-30.888W	F R	25 8		On post.	Operates during navigation season only. Private aid.
19625	<i>Indiana Shoal Lighted Gong Buoy 4</i> Marks northeast side of shoals.	41-43-25.737N 087-20-52.564W	FI R 4s		4	Red.	Maintained from Apr. 21 to Dec. 1.
<b>Buffington Harbor</b>							
19630	- BREAKWATER LIGHT	41-38-45.000N 087-24-37.500W	FI R 4s	48 15		Conical tower.	Private aid.
19636	- INNER BREAKWATER EAST LIGHT 2	41-38-35.000N 087-24-53.000W	FI R 2.5s	24 7		On post.	Private aid.
19637	- INNER BREAKWATER WEST LIGHT 1	41-38-33.000N 087-24-56.000W	Q G	24 7		On post.	Private aid.
<b>CALUMET AND INDIANA HARBORS</b>							
<b>City of East Chicago, Indiana</b>							
19648	- CASINO HARBOR LIGHT 1	41-39-17.390N 087-25-55.340W	Q G	50 15		SG on cylindrical tower.	Maintained from Apr. 1 to Dec. 1. Private aid.
19649	- CASINO HARBOR LIGHT 2	41-39-15.110N 087-25-59.930W	Oc R 4s	50 15		TR on cylindrical tower.	Maintained from Apr. 1 to Dec. 1. Private aid.
19650	- PASTRICK MARINA LIGHT 3	41-39-14.600N 087-26-05.600W	FI G 2.5s	16 5		SG on post.	Maintained from Apr. 1 to Dec. 15. Visible 294° through 359°. Private aid.
19655	- PASTRICK MARINA LIGHT 4	41-39-14.500N 087-26-03.000W	FI R 4s	16 5		TR on post.	Maintained from Apr. 1 to Dec. 15. Visible 294° through 359°. Private aid.
<b>Indiana Harbor</b>							
19660	- SOUTH BULKHEAD LIGHT	41-39-34.074N 087-25-14.232W	FI R 2s	49 15		Pyramidal tower.	Private aid.
19665	- EAST BULKHEAD LIGHT	41-40-41.328N 087-24-04.866W	FI R 2s	48 15		Pyramidal tower.	Private aid.
19670	- NORTH BULKHEAD LIGHT	41-41-20.340N 087-25-01.044W	FI R 2s	48 15		Pyramidal tower.	Private aid.
19675	- <b>East Breakwater Light</b>	41-40-51.042N 087-26-28.057W	Iso G 6s	78 24	12	Square tower.	HORN: 2 blast ev 20s. Operates by keying microphone five times on VHF-FM Ch. 83A.
19685	- LIGHT 2	41-41-06.118N 087-26-49.410W	Oc R 4s	29 9	6	TR on pile.	
19690	- LIGHT 5	41-40-27.671N 087-26-19.870W	FI G 2.5s	48 15	5	White cylindrical tower with green band.	
19695	- LIGHT 6	41-40-22.784N 087-26-26.304W	FI R 2.5s	48 15	6	White cylindrical tower with red band.	Higher intensity beam on bearing 165.5°.
19700	- LIGHT 7	41-40-00.786N 087-26-31.294W	F G	45 14	8	SG on white cylindrical tower.	
19705	- LIGHT 8	41-40-03.809N 087-26-34.604W	FI R 4s	13 4	5	TR on white cylindrical tower.	
<b>CALUMET AND INDIANA HARBORS</b>							
19707	INDIANA HARBOR CANAL STREET ABUTMENT LIGHT 2 Under Construction	41-38-56.381N 087-28-05.113W	FI R 4s	12 4		Pile Dolphin	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>CALUMET AND INDIANA HARBORS</b>							
19708	INDIANA HARBOR CANAL STREET ABUTMENT LIGHT 1 Under Construction	41-38-55.903N 087-28-04.501W	FI G 2.5s	12 4		Pile Dolphin	Private aid.
19715	WHITING LAKEFRONT PARK LIGHT A	41-41-03.500N 087-29-20.000W	Q G	19 6		On post.	Private aid.
19720	WHITING LAKEFRONT PARK LIGHT B	41-41-05.200N 087-29-20.000W	Q R	19 6		On post.	Private aid.
<b>Calumet</b>							
19740	HAMMOND INTAKE CRIB LIGHT	41-42-25.100N 087-29-49.500W	FI W 6s	26 8		On tower.	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>Hammond Marina</b> <i>Aids maintained from Apr. 15 to Nov. 15.</i>							
19745	- ENTRANCE LIGHT 1	41-41-44.700N 087-30-14.800W	FI G 4s	20 6		SG on pile.	Private aid.
19750	- ENTRANCE LIGHT 2	41-41-44.700N 087-30-11.700W	FI R 4s	20 6		TR on pile.	Private aid.
19752	- Lighted Obstruction Buoy AA	41-41-43.780N 087-30-09.180W	Q W				Private aid.
19755	- Lighted Obstruction Buoy A	41-41-47.400N 087-30-09.300W	FI W 2.5s			White with orange bands and orange diamond.	Private aid.
19760	- Lighted Obstruction Buoy B	41-41-51.800N 087-30-13.700W	FI W 2.5s			White with orange bands and orange diamond.	Private aid.
19765	- Lighted Obstruction Buoy C	41-41-55.400N 087-30-20.300W	FI W 2.5s			White with orange bands and orange diamond.	Private aid.
19770	- Lighted Obstruction Buoy D	41-41-57.500N 087-30-26.600W	FI W 2.5s			White with orange bands and orange diamond.	Private aid.
<b>Calumet</b>							
19780	- PARK 101ST STREET PIER LIGHT	41-42-47.951N 087-31-30.839W	FI R 4s	28 9	6	TR on post.	
<b>CHICAGO LAKE FRONT (Chart 14927)</b>							
19785	Indiana Shoal Buoy 2	41-46-10.361N 087-23-26.763W				Red nun.	
19790	Chicago Lake Front Northeast Shoal Lighted Buoy 2 Marks east side of shoal.	41-45-36.296N 087-28-02.048W	FI R 4s		4	Red.	RACON: C (- . - . ) Replaced by nun from Dec. 1 to Apr. 21. AIS MMSI: 993672228
<b>CALUMET AND INDIANA HARBORS</b>							
19795	Calumet East Shoal Lighted Buoy 4	41-43-59.036N 087-28-13.866W	FI R 6s		4	Red.	Replaced by nun from Dec. 01 to Apr 21.
19800	Calumet Harbor Breakwater South End Light	41-43-33.680N 087-29-35.986W	FI R 10s	50 15		White square skeleton tower with red band. Lower half open. 46	HORN: 1 blast ev 15s (2s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
19810	Calumet Harbor Lighted Buoy 1	41-43-07.732N 087-29-48.724W	FI G 4s		3	Green.	Year round lighted buoy
19815	Calumet Harbor Buoy 3	41-43-15.153N 087-29-58.800W				Green can.	
19820	Calumet Harbor Buoy 5	41-43-38.404N 087-30-30.378W				Green can.	
19825	Calumet Harbor Lighted Buoy 7	41-43-48.276N 087-30-43.788W	FI G 4s		3	Green.	Year round lighted buoy.
19827	CALUMET HARBOR BREAKWATER OBSTRUCTION LIGHT	41-44-29.422N 087-30-52.070W	FI Y 2.5s	28 9	8	White cylindrical tower with yellow band.	
19830	CALUMET HARBOR LIGHT	41-44-12.663N 087-30-28.834W	FI R 2.5s	51 16	7	White cylindrical tower with red band.	
19835	CALUMET HARBOR ENTRANCE SOUTH SIDE LIGHT	41-44-08.174N 087-30-22.751W	FI G 4s	30 9	6	White cylindrical tower with green band.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>CALUMET AND INDIANA HARBORS</b>							
19840	CALUMET PIERHEAD LIGHT	41-44-01.520N 087-31-44.509W	Iso R 6s	31 9	6	TR on post.	Obscured from 240° to 060°.
19845	CALUMET HARBOR DISPOSAL AREA LIGHT	41-43-52.324N 087-31-29.663W	FI G 6s	26 8	4	SG on tower.	
19850	CALUMET RIVER ENTRANCE LIGHT	41-43-56.334N 087-31-46.205W	FI G 2.5s	28 9	5	SG on post.	
<b>CHICAGO LAKE FRONT (Chart 14927)</b>							
19855	Clarke Point Buoy 8	41-45-33.954N 087-31-44.094W				Red nun.	Maintained from Apr. 14 to Nov. 01.
19860	FILTRATION PLANT BREAKWATER SOUTH END LIGHT	41-45-24.822N 087-32-16.794W	FI W 2.5s	39 12		NW on skeleton tower marked DANGER.	Maintained from May 1 to Nov. 1. Private aid.
19865	FILTRATION PLANT BREAKWATER NORTH END LIGHT	41-45-42.438N 087-32-38.820W	FI W 2.5s	39 12		NW on skeleton tower marked DANGER.	Maintained from May 1 to Nov. 1. Private aid.
19870	SIXTY-EIGHTH STREET CRIB LIGHT	41-47-10.500N 087-31-48.000W	FI R 3s	61 19		Silver-gray lantern on red skeleton tower on stone crib.	BELL: 1 strike ev 12s. Private aid.
19875	JACKSON PARK OUTER HARBOR LIGHT 2	41-47-04.500N 087-34-03.500W	FI R 2.5s	28 9		TR on pile at end of breakwater.	Maintained from Apr. 15 to Dec. 1. Private aid.
19880	JACKSON PARK OUTER HARBOR LIGHT 4	41-46-52.900N 087-34-06.774W	FI R 4s	28 9		TR on pile.	Maintained from Apr. 15 to Dec. 1. Private aid.
19885	JACKSON PARK INNER HARBOR LIGHT 6	41-46-47.300N 087-34-22.800W	F R	35 11		TR on pile.	Maintained from Apr. 15 to Dec. 1. Private aid.
19890	JACKSON PARK INNER HARBOR LIGHT 5	41-46-45.600N 087-34-21.800W	F G			SG on pile.	Maintained from Apr. 15 to Dec. 1. Private aid.
19895	FIFTY-NINTH STREET YACHT HARBOR SOUTH PIER LIGHT	41-47-17.300N 087-34-30.700W	F G	35 11		On post.	Maintained from Apr. 15 to Dec. 1. Private aid.
19900	FIFTY-NINTH STREET YACHT HARBOR NORTH PIER LIGHT	41-47-12.000N 087-34-18.000W	F R	35 11		On post.	Maintained from Apr. 15 to Dec. 1. Private aid.
19905	South Park Shoal Buoy 6 Marks east side of shoal.	41-47-51.315N 087-32-09.243W				Red nun.	
19910	<i>Clemson Shoal Lighted Bell Buoy 4</i>	41-48-24.593N 087-32-04.756W	FI R 4s		4	Red.	Replaced by nun from Dec. 01 to Apr. 21.
19915	Hyde Park Shoal Outside Buoy 2	41-48-30.318N 087-32-34.792W				Red nun.	
19920	<i>Morgan Shoals Lighted Buoy 2</i>	41-48-38.628N 087-34-27.930W	FI R 2.5s		3	Red.	Maintained from Apr. 14 to Nov 1.
19921	OAKWOOD BEACH NORTH PIER LIGHT	41-49-24.922N 087-35-48.453W	FI Y 2s	20 6			Private aid.
19922	OAKWOOD BEACH SOUTH PIER LIGHT	41-49-17.193N 087-35-39.191W	FI Y 2s				Private aid.
19925	FOUR-MILE CRIB LIGHT	41-52-24.000N 087-32-42.000W	FI W 15s	66 20		Red skeleton tower on stone crib.	HORN: 1 blast ev 20s (2s bl). Private aid.
<b>CHICAGO HARBOR (Chart 14928)</b>							
<b>Chicago North Side (Chart 14928)</b>							
19926	CHICAGO 31 STREET HARBOR LIGHTED FIXED AID 1	41-49-59.790N 088-36-08.380W	FI G 4s				Maintained from Apr.1 to Dec.1. Private aid.
19927	CHICAGO 31 STREET HARBOR LIGHTED FIXED AID 2	41-49-58.660N 087-36-06.420W	FI R 4s				Maintained from Apr.1 to Dec.1. Private aid.
<b>CHICAGO HARBOR (Chart 14928)</b>							
19930	THIRTY-FIRST STREET OUTER JETTY LIGHT	41-50-21.700N 087-36-15.800W	FI Y 2.5s	29 9		NW on cylindrical tower.	Maintained from Apr. 15 to Dec. 1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>CHICAGO HARBOR (Chart 14928)</b>							
19931	<i>Thirty-First Street Jetty Danger Lighted Buoy A</i>	41-50-22.600N 087-36-18.200W	Fl W 2s			White with orange bands and diamond worded DANGER BREAKWATER.	Maintained from Apr. 15 to Oct. 31. Private aid.
19932	<i>Thirty-First Street Jetty Danger Lighted Buoy B</i>	41-50-23.000N 087-36-20.800W	Fl W 2s			White with orange bands and diamond worded DANGER BREAKWATER.	Maintained from Apr. 15 to Oct. 31. Private aid.
19933	<i>Thirty-First Street Jetty Danger Lighted Buoy C</i>	41-50-23.500N 087-36-23.300W	Fl W 2s			White with orange bands and diamond worded DANGER BREAKWATER.	Maintained from Apr. 15 to Oct. 31. Private aid.
19934	THIRTY-FIRST STREET INNER JETTY LIGHT	41-50-24.400N 087-36-26.000W	Fl Y 2.5s	26 8		NW on cylindrical tower.	Maintained from Apr. 15 to Dec. 1. Private aid.
<b>Northerly Island Danger Zone</b>							
19955	BURNHAM PARK HARBOR LIGHT	41-51-06.750N 087-36-35.720W	Fl G 3s	60 18		On a pole	Red from 135° to 255°. Maintained from Apr. 15 to Dec. 1. Private aid.
19956	<i>Northerly Island Danger Lighted Buoy A</i>	41-51-52.200N 087-36-21.200W	Fl W 2s			White and orange bands and diamond worded DANGER SUBMERGED BULKHEAD.	Maintained from Apr. 15 to Oct. 31. Private aid.
19956.1	<i>Northerly Island Danger Lighted Buoy B</i>	41-51-48.500N 087-36-21.000W	Fl W 2s			White and orange bands and diamond worded DANGER SUBMERGED BULKHEAD.	Maintained from Apr. 15 to Oct. 31. Private aid.
19956.2	<i>Northerly Island Danger Lighted Buoy C</i>	41-51-45.000N 087-36-21.000W	Fl W 2s			White with orange bands and diamond worded DANGER SUBMERGED BULKHEAD.	Maintained from Apr. 15 to Oct. 31. Private aid.
<b>Chicago North Side (Chart 14928)</b>							
19957	<i>Purdue University Meteorological Buoy 1A</i>	41-53-33.000N 087-33-47.000W	F Y				Maintained from Apr. 15 to Dec. 15. Private aid.
<b>CHICAGO LAKE FRONT (Chart 14927)</b>							
<b>Chicago Harbor</b>							
19960	- Light	41-53-21.687N 087-35-25.743W	Fl R 5s	82 25	15	White conical tower. 82	HORN operates by keying the microphone five times on VHF-FM channel 83A. 2 blasts ev 30s (2s bl).
19980	- OUTER BREAKWATER SOUTH END LIGHT	41-52-48.651N 087-35-25.936W	Iso R 6s	27 8	6	White cylindrical tower with red band.	
19985	- ENTRANCE SOUTH SIDE LIGHT	41-53-14.893N 087-35-25.892W	Fl G 4s	27 8	6	White cylindrical tower with green band.	
19990	- SOUTH BREAKWATER NORTHEND LIGHT 1	41-52-29.358N 087-36-36.461W	Fl G 2.5s	35 11	5	SG on post.	
19995	- BREAKWATER SOUTH LIGHT	41-52-36.985N 087-36-36.331W	Fl R 4s	23 7	4	White cylindrical tower with red band.	
20000	- SOUTHEAST GUIDE WALL LIGHT	41-53-17.968N 087-36-09.075W	Iso W 6s	48 15	9	White square tower with green band.	Visible from 157° to 023°.
20005	- MUNICIPAL PIER NO. 1 LIGHT	41-53-23.300N 087-35-58.800W	Fl Y 2.5s			NY on skeleton tower.	Maintained from Apr. 1 to Dec. 1. Private aid.
20010	- NAVY PIER SOUTH LIGHT	41-53-29.400N 087-35-54.500W	Iso W 4s	30 9		On skeleton tower.	Maintained from Apr. 1 to Dec. 1. Private aid.
20012	- NAVY PIER NORTH LIGHT	41-53-32.300N 087-35-54.500W	Iso W 4s	30 9		On skeleton tower.	Maintained from Apr. 1 to Dec. 1. Private aid.
20015	- FILTRATION PLANT LIGHT B	41-53-35.800N 087-36-08.000W	Fl W 4s	15 5		On dolphin.	Maintained from Mar. 15 to Dec. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>CHICAGO LAKE FRONT (Chart 14927)</b>							
<b>Chicago Harbor</b>							
20020	- FILTRATION PLANT LIGHT A	41-53-46.600N 087-36-08.800W	FI W 4s	10 3			Maintained from Mar. 15 to Dec. 15. Private aid.
20025	OAK STREET BREAKWATER LIGHT	41-54-11.050N 087-36-28.270W	FI G 4s	30 9	5	SG on post.	
20030	- OAK STREET BREAKWATER NORTHEAST END LIGHT 2	41-54-10.933N 087-36-34.020W	FI R 2.5s	26 8	6	TR on post.	
20035	- OAK STREET BREAKWATER SOUTHWEST END LIGHT 3	41-54-05.105N 087-37-02.236W	FI G 2.5s	26 8	5	SG on post.	
20040	WILLIAM E. DEVER CRIB LIGHT	41-55-00.000N 087-34-18.000W	Q W	72 22		On skeleton tower.	HORN: 1 blast ev 20s (2s bl). Private aid.
<b>CHICAGO HARBOR (Chart 14928)</b>							
<b>Chicago North Side (Chart 14928)</b>							
20055	NORTH AVENUE JETTY LIGHT	41-54-54.000N 087-37-12.000W	Q R	38 12		On skeleton tower.	Maintained from Apr. 15 to Dec. 1. Private aid.
20080	DIVERSEY HARBOR ENTRANCE NORTH BREAKWATER LIGHT	41-55-57.300N 087-37-50.500W	FI R 3s	38 12		On post.	Maintained from Apr. 15 to Dec. 1. Private aid.
20085	DIVERSEY HARBOR ENTRANCE SOUTH BREAKWATER LIGHT	41-55-57.200N 087-37-52.100W	FI G 3s	38 12		On post.	Maintained from Apr. 15 to Dec. 1. Private aid.
20090	BELMONT HARBOR LIGHT	41-56-30.000N 087-38-00.000W	FI R 3s	30 9		On tubular steel tower.	Maintained from Apr. 1 to Dec. 1. Private aid.
20095	BELMONT HARBOR INNER LIGHT	41-56-35.000N 087-38-09.000W	FI R 3s	80 24		On skeleton tower.	Maintained from Apr. 1 to Dec. 1. Private aid.
20100	Belmont Rock Shoal Buoy 2	41-56-38.086N 087-37-39.836W				Red nun.	Maintained from Apr. 14 to Nov. 01.
<b>CHICAGO LAKE FRONT (Chart 14927)</b>							
20105	MONTROSE BREAKWATER LIGHT	41-57-48.000N 087-37-53.000W	FI R 3s	40 12		On skeleton tower.	Maintained from Apr. 15 to Dec. 1. Private aid.
20110	MONTROSE HARBOR EAST BREAKWATER LIGHT	41-57-33.000N 087-38-25.000W	FI R 3s	40 12		On skeleton tower.	Maintained from Apr. 15 to Dec. 1. Private aid.
20115	MONTROSE HARBOR WEST BREAKWATER LIGHT	41-57-33.400N 087-38-28.000W	FI G 3s	41 13		On skeleton tower.	Maintained from Apr. 15 to Dec. 1. Private aid.
20130	WILSON AVENUE BREAKWATER LIGHT	41-58-07.000N 087-37-53.000W	FI G 3s	36 11		On skeleton tower.	Maintained from Apr. 15 to Dec. 1. Private aid.
20135	WILSON AVENUE INTAKE CRIB LIGHT	41-58-00.000N 087-35-30.000W	Q W	68 21		On cylindrical tower.	HORN: 1 blast ev 20s (2s bl). Private aid.
20140	FOSTER AVENUE PIERHEAD LIGHT	41-58-49.000N 087-38-46.000W	FI W 3s	41 13		On skeleton tower.	Maintained from Apr. 15 to Dec. 1. Private aid.
20145	HOLLYWOOD AVENUE BREAKWATER LIGHT	41-59-10.000N 087-38-59.000W	FI R 3s	41 13		On skeleton tower.	Maintained from Apr. 15 to Dec. 1. Private aid.
20165	FARWELL AVENUE BREAKWATER LIGHT	42-00-24.000N 087-39-24.000W	FI R 3s	41 13		On skeleton tower.	Maintained from Apr. 15 to Dec. 1. Private aid.
20170	South Boulevard Branch Warning Daybeacons	42-01-38.500N 087-39-58.000W				NW on pile worded DANGER GROIN.	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>Evanston</b>							
<i>Buoys maintained from May 1 to Oct. 31.</i>							
20185	- BREAKWATER LIGHT	42-02-44.500N 087-40-16.200W	FI R 4s	22 7		On post.	Maintained from May 1 to Oct. 15. Private aid.
20190	GROSSEPOINT LIGHT	42-04-00.000N 087-41-00.000W	FI (2)W 15s	119 36		White, conical tower, red roofs.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>CHICAGO LAKE FRONT (Chart 14927)</b>							
<b>Evanston</b>							
<i>Buoys maintained from May 1 to Oct. 31.</i>							
20195	- Boat Ramp Buoy 1	42-02-41.500N 087-40-16.000W				Green can.	Private aid.
20200	- Boat Ramp Buoy 3	42-02-42.200N 087-40-16.500W				Green can.	Private aid.
20205	- Boat Ramp Buoy 5	42-02-42.800N 087-40-17.000W				Green can.	Private aid.
20210	- Boat Ramp Buoy 2	42-02-42.500N 087-40-15.000W				Red nun.	Private aid.
20215	- Boat Ramp Buoy 4	42-02-42.900N 087-40-15.400W				Red nun.	Private aid.
20220	- Boat Ramp Buoy 6	42-02-43.300N 087-40-15.800W				Red nun.	Private aid.
20221	- Boat Ramp Buoy 7	42-02-43.300N 087-40-17.500W				Green can.	Private aid.
20222	- Boat Ramp Buoy 8	42-07-43.600N 087-40-16.200W				Red nun.	Private aid.
<b>WAUKEGAN TO SOUTH HAVEN (Chart 14905)</b>							
<b>Wilmette Harbor</b>							
20225	- Entrance Buoy 1	42-04-36.200N 087-40-40.600W				Green can.	Maintained from May 1 to Nov. 15. Private aid.
20230	- Entrance Buoy 2	42-04-38.000N 087-40-39.800W				Red nun.	Maintained from May 1 to Nov. 15. Private aid.
20235	- ENTRANCE SOUTH LIGHT	42-04-37.000N 087-40-48.300W	FI G 4s	15 5		On pile.	Maintained from Apr. 15 to Nov. 15. Private aid.
20240	- ENTRANCE NORTH LIGHT	42-04-37.200N 087-40-44.400W	FI R 4s	20 6		On pile.	Maintained from Apr. 15 to Nov. 15. Private aid.
20245	- PIERHEAD LIGHT	42-04-43.350N 087-40-47.364W	FI W 4s	40 12		On pile.	Maintained from Apr. 15 to Nov. 15. Private aid.
<b>WAUKEGAN TO SOUTH HAVEN (Chart 14905)</b>							
20250	<i>Wilmette Wreck Lighted Bell Buoy WR 2</i>	42-05-41.143N 087-38-57.901W	Q R		4	Red.	Replaced by nun from Dec. 01 to Apr. 21.
20255	<i>Grossepoint Outer Lighted Bell Buoy 4</i>	42-08-14.390N 087-35-17.507W	FI R 6s		4	Red.	Replaced by nun from Dec. 01 to Apr. 21.
20257	<i>Wilmette Weather Buoy</i>	42-08-16.000N 087-39-30.000W	FI Y 4s				Maintained from Apr. 1 to Nov. 1. Private aid.
20260	HIGHLAND PARK BREAKWATER LIGHT	42-11-27.000N 087-47-12.000W	Q R	21 6		On yellow post.	Maintained from May 1 to Oct. 31. Private aid.
20275	LAKE FOREST BREAKWATER LIGHT	42-15-01.531N 087-49-03.713W	FI R 4s	25 8		TR on post.	Maintained from Mar. 1 to Dec. 15. Private aid.
20280	LAKE FOREST JETTY LIGHT	42-15-02.219N 087-49-05.599W	FI G 4s	21 6		SG on post.	Maintained from Mar. 1 to Dec. 15. Private aid.
<b>Great Lakes</b>							
20282	- Buoy N	42-19-42.391N 087-49-14.074W				Yellow Can	Maintained from Apr. 14 to Oct. 14.
20284	- Buoy S	42-18-18.704N 087-49-05.941W				Yellow Can	Maintained from Apr. 14 to Oct. 14.
20285	- LIGHT 2	42-18-21.299N 087-49-29.136W	FI R 4s	34 10	6	White cylindrical tower with red band.	
20290	- LIGHT 1	42-18-18.405N 087-49-35.152W	FI G 4s	34 10	5	White cylindrical tower with green band.	
20295	- LIGHT 4	42-18-29.883N 087-49-50.043W	FI R 2.5s	15 5	4	TR on tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>WAUKEGAN TO SOUTH HAVEN (Chart 14905)</b>							
<b>Great Lakes</b>							
20300	- LIGHT 3	42-18-28.020N 087-49-51.805W	FI G 2.5s	15 5	5	SG on tower.	
20301	- Buoy A	42-18-18.017N 087-48-41.659W				Yellow can.	
20302	- Buoy B	42-18-59.327N 087-48-41.923W				Yellow can.	
20303	- Buoy C	42-19-42.503N 087-48-41.659W				Yellow can.	
20304	- East Breakwater Danger Buoy	42-18-35.633N 087-49-22.245W				White Can	Maintained from 14 Apr to 14 Oct.
20304.1	- South Breakwater Danger Buoy	42-18-15.304N 087-49-36.027W				White Can	Maintained from 14 Apr to 14 Oct.
<b>PORT WASHINGTON TO WAUKEGAN (Chart 14904)</b>							
<b>Waukegan</b>							
20305	- SOUTH HARBOR MARINA LIGHT 2	42-21-20.574N 087-49-13.542W	Q R	26 8		On pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
20310	- SOUTH HARBOR MARINA LIGHT 1	42-21-24.000N 087-49-14.700W	Q G	26 8		On pile.	Maintained from Apr. 1 to Nov. 1. Private aid.
20315	- Harbor Light	42-21-38.349N 087-48-48.271W	Oc G 4s	36 11	12	On cylindrical tower with green band. 36	HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates by key the microphone 5 times on VHF channel 83A.
20325	- Shoals Buoy 1	42-21-27.486N 087-47-36.734W				Green can.	
20330	- Shoals Lighted Buoy 3 Marks northeast side of shoal.	42-21-40.928N 087-47-52.851W	FI G 2.5s		4	Green.	Replaced by can from Dec 1 to Apr 21.
<b>Kenosha</b>							
20333	Univ of Illinois Waukegon Weather Wave (45186) Buoy B	42-22-01.920N 087-47-42.720W	FI Y 4s				Maintained from Apr.1 to Nov.1. Private aid.
<b>Waukegan</b>							
20335	- BREAKWATER LIGHT	42-21-44.460N 087-48-38.859W	FI (2)R 5s 0.4s fl 0.6s ec. 0.4s fl 3.6s ec.	32 10	6	White cylindrical tower with red band.	
20340	- NORTH PIERHEAD LIGHT	42-21-40.899N 087-48-52.986W	FI R 4s	24 7	4	TR on post.	
<b>PORT WASHINGTON TO WAUKEGAN (Chart 14904)</b>							
20345	COMMONWEALTH EDISON BREAKWATER LIGHT	42-22-54.600N 087-48-15.600W	FI R 6s	35 11		On skeleton tower.	Private aid.
20350	JOHNS-MANVILLE INTAKE CRIB LIGHT	42-23-26.340N 087-48-37.074W	Q W	38 12		On skeleton tower.	Private aid.
<b>Zion Intake</b>							
<i>Lights maintained from Apr. 1 to Oct. 31.</i>							
20355	- Lighted Buoy A	42-26-38.460N 087-47-31.500W	Q W			White with orange bands and diamond.	Private aid.
20360	- WEST LIGHT	42-26-38.220N 087-47-28.920W	FI W 2.5s	5 2		NW on post.	Private aid.
20380	Zion Discharge Buoy B	42-26-44.000N 087-47-42.000W				White can with orange bands and diamond.	Maintained from Apr. 1 to Oct. 31. Private aid.
20385	Zion Discharge Buoy C	42-26-41.000N 087-47-42.000W				White can with orange bands and diamond.	Maintained from Apr. 1 to Oct. 31. Private aid.
<b>Northpoint Marina</b>							
<i>Aids to navigation maintained from Apr. 1 to Nov. 1.</i>							
20386	- Reef Obstruction Lighted Buoy A	42-28-49.275N 087-47-53.076W	Q W			White with orange bands and diamond worded REEF.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>PORT WASHINGTON TO WAUKEGAN (Chart 14904)</b>							
<b>Northpoint Marina</b>							
<i>Aids to navigation maintained from Apr. 1 to Nov. 1.</i>							
20387	- Reef Obstruction Lighted Buoy B	42-28-53.324N 087-47-52.723W	Q W			White with orange bands and diamond worded REEF.	Private aid.
20388	- Reef Obstruction Lighted Buoy C	42-28-56.798N 087-47-52.515W	Q W			White with orange bands and diamond worded REEF.	Private aid.
20389	- Reef Obstruction Lighted Buoy D	42-29-00.831N 087-47-52.310W	Q W			White with orange bands and diamond worded REEF.	Private aid.
20390	- ENTRANCE LIGHT 1	42-29-16.000N 087-47-59.000W	FI G 4s	20 6		SG on post.	Maintained from Apr. 01 to Nov. 30. Private aid.
20395	- ENTRANCE LIGHT 2	42-29-17.298N 087-47-55.122W	FI R 4s	20 6		TR on post.	Maintained from Apr. 01 thru Nov. 30. Private aid.
<b>Kenosha</b>							
20397	Univ of Illinois Winthrop Weather Wave (45187) Buoy A	42-29-26.160N 087-46-44.040W	FI Y 4s				Maintained from Apr. 1 to Nov. 1. Private aid.
<b>Northpoint Marina</b>							
<i>Aids to navigation maintained from Apr. 1 to Nov. 1.</i>							
20400	- NORTH OBSTRUCTION LIGHT	42-29-22.000N 087-47-58.000W	Q W	20 6		NW on post.	Maintained from Apr. 01 to Nov. 30. Private aid.
20405	- CENTER OBSTRUCTION LIGHT	42-29-11.000N 087-47-57.000W	Q W	20 6		NW on post.	Maintained from Apr. 01 to Nov. 30. Private aid.
20410	- SOUTH OBSTRUCTION LIGHT	42-29-05.000N 087-47-56.000W	Q W	20 6		NW on post.	Maintained from Apr. 01 to Nov. 30. Private aid.
<b>Prairie Harbor</b>							
20412	- ENTRANCE NORTH PIER LIGHT 2	42-29-34.800N 087-48-04.200W	FI R 2.5s	21 6			Private aid.
20413	- ENTRANCE SOUTH PIER LIGHT 1	42-29-33.840N 087-48-06.800W	FI G 2.5s	21 6			Private aid.
<b>Kenosha</b>							
20415	- Light	42-35-19.729N 087-48-30.861W	Iso R 6s	50 15	8	50	HORN: 1 blast ev 30s (3s bl). Operate the fog signal by keying the microphone on VHF-FM marine radio five times on channel 83A.
20430	- BREAKWATER LIGHT	42-35-20.634N 087-48-21.288W	FI R 4s	20 6	8	White cylindrical tower with red band.	
20435	- SOUTH PIER LIGHT	42-35-17.304N 087-48-27.072W	FI G 4s	34 10	6	Green band on cylindrical tower.	
20445	SOUTHPORT MARINA ENTRANCE LIGHT 2	42-34-56.300N 087-48-35.400W	FI R 4s	36 11		TR on pile.	Private aid.
20450	SOUTHPORT MARINA ENTRANCE LIGHT 1	42-34-58.800N 087-48-34.800W	FI G 4s	31 9		SG on pile.	Private aid.
20455	SOUTHPORT MARINA INNER BREAKWATER LIGHT	42-34-54.400N 087-48-39.200W	Q W	34 10		NW on post worded DANGER ROCKS.	Private aid.
<b>RACINE HARBOR</b>							
<b>Racine</b>							
20470	- LAUNCH BASIN ENTRANCE LIGHT	42-43-42.900N 087-46-38.200W	FI R 2.5s	27 8		TR on post.	Maintained from Mar. 1 to Dec. 15. Private aid.
20475	- LAUNCH BASIN INNER LIGHT	42-43-43.800N 087-46-38.900W	FI G 2.5s	23 7		SG on post.	Maintained from Mar. 1 to Dec. 15. Private aid.
20480	- Reef Light					50	Remove from list.
20483	- Reef Lighted Buoy 18 Marks east side of reef.	42-43-39.992N 087-43-59.526W	FI R 2.5s		5	Red.	Replaced by nun from Dec. 1 to Apr. 21. AIS MMSI: 993682608

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>RACINE HARBOR</b>							
<b>Racine</b>							
20485	- Reef West End Lighted Buoy 1	42-43-33.088N 087-46-01.391W	FI G 4s		4	Green.	Replaced by can from Dec. 1 to Apr. 21.
<b>LAKE MICHIGAN (Chart 14901)</b>							
20486	Salmon Unlimited Weather Buoy	42-42-12.102N 087-38-57.360W	FI Y 2.5s				Maintained from May.1 to Oct.1. Private aid.
<b>RACINE HARBOR</b>							
<b>Racine</b>							
20490	- East Harbor Entrance Light 2	42-44-01.000N 087-46-14.000W	Q R		50 15	On post with 10 ft. lightpipe.	Maintained from Apr. 1 to Nov. 1.  Private aid.
20495	- WEST HARBOR ENTRANCE LIGHT 3	42-44-00.000N 087-46-18.700W	Q G		52 16	SG on skeleton tower.	Maintained from Apr. 15 to Oct. 31. HORN: 2 blasts ev 18s (2s bl-2s si-2s bl-12s si). Private aid.
20500	- HARBOR LIGHT 5	42-44-01.800N 087-46-29.000W	Q G		33 10	SG on pile.	Maintained from Mar. 1 to Dec. 15. Private aid.
20505	- Harbor Channel Lighted Buoy 4	42-44-05.300N 087-46-25.000W	Q R			Red.	Maintained from Apr. 15 to Oct. 31. Private aid.
20510	- Harbor Channel Lighted Buoy 6	42-44-05.200N 087-46-27.000W	Q R			Red.	Maintained from Apr. 15 to Oct. 31. Private aid.
20515	- HARBOR LIGHT 9	42-44-01.800N 087-46-32.100W	Q G		18 5	SG on post.	Maintained from Apr. 15 to Oct. 31. Private aid.
20520	- Harbor Channel Lighted Buoy 8	42-44-04.800N 087-46-32.000W	Q R			Red.	Maintained from Apr. 15 to Oct. 31. Private aid.
20525	- Harbor Channel Lighted Buoy 10	42-44-04.000N 087-46-35.000W	Q R			Red.	Maintained from Apr. 15 to Oct. 31. Private aid.
20530	- Harbor Channel Lighted Buoy 12	42-44-03.000N 087-46-37.000W	Q R			Red.	Maintained from Apr. 15 to Oct. 31. Private aid.
20535	- Harbor Preferred Channel Lighted Buoy	42-44-02.800N 087-46-39.000W	FI (2+1)R 6s			Red and green bands.	Maintained from Apr. 15 to Oct. 31. Private aid.
20540	- HARBOR LIGHT 14	42-44-02.400N 087-46-40.100W	FI R 2.5s		33 10	TR on pile.	Maintained from Mar. 1 to Dec. 15. Private aid.
20545	- HARBOR LIGHT 13	42-43-59.900N 087-46-38.900W	Q G		18 5	SG on post.	Maintained from Apr. 15 to Oct. 31. Private aid.
20550	- HARBOR JUNCTION LIGHT	42-43-59.500N 087-46-44.000W	FI (2+1)G 6s		30 9	JG on pile.	Maintained from Mar. 1 to Dec. 15. Private aid.
20555	- Yacht Club Channel Lighted Buoy 2	42-44-05.000N 087-46-38.000W	Q R			Red.	Maintained from Apr. 15 to Oct. 31. Private aid.
20560	- Yacht Club Channel Lighted Buoy 3	42-44-05.000N 087-46-39.500W	Q G			Green.	Maintained from Apr. 15 to Oct. 31. Private aid.
20565	- Yacht Club Channel Lighted Buoy 4	42-44-07.000N 087-46-36.000W	Q R			Red.	Maintained from Apr. 15 to Oct. 31. Private aid.
20570	- Yacht Club Channel Lighted Buoy 5	42-44-07.000N 087-46-40.000W	Q G			Green.	Maintained from Apr. 15 to Oct. 31. Private aid.
20575	- Yacht Club Channel Lighted Buoy 6	42-44-09.000N 087-46-34.500W	Q R			Red.	Maintained from Apr. 15 to Oct. 31. Private aid.
20580	- Yacht Club Channel Lighted Buoy 8	42-44-11.000N 087-46-34.000W	Q R			Red.	Maintained from Apr. 15 to Oct. 31. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>RACINE HARBOR</b>							
<b>Racine</b>							
20585	- YACHT CLUB SOUTH BREAKWATER LIGHT	42-44-06.000N 087-46-36.000W	F R	15 5		On post.	Maintained from Apr. 1 to Nov. 1. Private aid.
20590	- YACHT CLUB NORTH BREAKWATER LIGHT	42-44-12.000N 087-46-30.000W	F G	15 5		On post.	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>LAKE MICHIGAN (Chart 14901)</b>							
20595	NOAA Lighted Weather Buoy 45007	42-40-25.013N 087-01-34.354W	FI (4)Y 20s			Yellow disc-shaped hull.	Maintained from Apr 21 to Nov 21. Aid maintained by National Oceanic and Atmospheric Administration.
<b>GREEN BAY</b>							
<b>Green Bay Harbor</b>							
<b>Green Bay Harbor Entrance Channel</b>							
<b>UPPER GREEN BAY</b>							
20597	NOAA SLMTB Buoy 1	42-43-09.500N 086-57-16.230W	FI Y 4s				Maintained from May.1 to Dec.1. Private aid.
<b>LAKE MICHIGAN</b>							
<b>PORT WASHINGTON TO WAUKEGAN (Chart 14904)</b>							
20600	Wind Point South Shoal Buoy 16 Marks east side of shoal.	42-46-13.647N 087-44-00.849W				Red nun.	
20605	<b>Wind Point Light</b>	42-46-52.151N 087-45-30.026W	FI W 20s	111 34	16	White conical tower connected to dwelling. 111	
20610	Wind Point North Shoal Lighted Buoy 14 Marks southeast side of shoals.	42-47-43.414N 087-43-24.189W	FI R 4s		4	Red.	Replaced by nun from Dec. 1 to Apr. 21.
20613	OAK CREEK BREAKWATER LIGHT 3	42-50-46.198N 087-49-30.072W	FI G 4s	30 9		SG on pile on breakwater.	Maintained from Feb. 1 to Dec. 1. Private aid.
20614	OAK CREEK BREAKWATER LIGHT 2	42-50-47.575N 087-49-25.608W	FI R 4s	30 9		TR on pile on breakwater.	Maintained from Feb. 1 to Dec. 1. Private aid.
20615	Oak Creek Park Daybeacon 1	42-51-55.400N 087-50-13.550W				SG on pile on breakwater.	Private aid.
20616	OAK CREEK PARK LIGHT 2	42-51-58.780N 087-50-14.460W	FI R 4s	27 8		TR on pile on breakwater.	Private aid.
20617	WISCONSIN ELECTRIC EAST END JETTY LIGHT A	42-51-11.400N 087-49-51.500W	Q Y			Steel sheet pile.	Maintained from May 1 to Nov. 1. Private aid.
20618	WISCONSIN ELECTRIC EAST END JETTY LIGHT B	42-51-11.100N 087-49-51.000W	Q Y			Steel sheet pile.	Maintained from May 1 to Nov. 1. Private aid.
20626.5	SOUTH MILWAUKEE Y.C. HARBOR ENTRANCE LIGHT 1	42-54-17.000N 087-50-34.000W	Q G	12 4		SG on pole on top of tanks.	Maintained from May 1 to Nov. 1. Private aid.
20627	SOUTH MILWAUKEE Y.C. HARBOR ENTRANCE LIGHT 2	42-54-16.000N 087-50-32.000W	Q R	12 4		TR on pole on sunken barge.	Maintained from May 1 to Nov. 1. Private aid.
20629	Lighted Dredge 906	42-58-06.000N 087-47-10.000W	Q W				Maintained from May 1 to Oct. 1.  Private aid.
20630	Milwaukee South Point Lighted Bell Buoy 1 Marks east side of shoal.	42-59-22.598N 087-49-47.011W	FI G 4s		5	Green.	Replaced by can from Dec. 1 to Apr. 21.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>MILWAUKEE HARBOR (Chart 14924)</b>							
<b>Milwaukee</b>							
20635	- Breakwater Light	43-01-37.021N 087-52-54.959W		61 19	15	Black lantern on white square structure. 61	Light Characteristic is FL R (2) 10s. Two Red Flashes in 10 seconds. HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si). Operates by keying the microphone five times on channel 83A.
20645	- BREAKWATER ENTRANCE SOUTH SIDE LIGHT	43-01-31.450N 087-52-54.749W	FI G 2.5s	48 15	7	White cylindrical tower with green band.	
20650	- SOUTH ENTRANCE LIGHT 1	43-00-27.729N 087-52-37.832W	FI G 4s	27 8	5	SG on post.	
20655	- SOUTH ENTRANCE LIGHT 2	43-00-30.076N 087-52-35.460W	FI R 4s	35 11	5	White cylindrical tower with red band.	
20660	- NORTH ENTRANCE LIGHT 1	43-02-37.154N 087-52-50.053W	FI G 4s	34 10	7	White cylindrical tower with green band.	
20665	- NORTH ENTRANCE LIGHT 2	43-02-41.236N 087-52-49.066W	FI R 4s	32 10	4	TR on post.	
20670	- PIERHEAD LIGHT	43-01-33.407N 087-53-42.970W	FI R 4s	45 14	7	TR on cylindrical tower.	
20675	- SOUTH PIERHEAD LIGHT 3	43-01-29.784N 087-53-40.968W	FI G 4s	20 6	7	On grey pole with concrete base.	
20681	LAKESHORE STATE PARK ENTRANCE LT 1	43-02-06.000N 087-53-43.000W	FI G 2.5s				Private aid.
20681.1	LAKESHORE STATE PARK ENTRANCE LT 2	43-02-05.000N 087-53-40.000W	FI R 2.5s				Private aid.
20685	- CITY PIER SOUTH SLIP LIGHT 2	43-01-22.200N 087-53-40.000W	F R	16 5		On yellow post.	Private aid.
20690	- CITY PIER SOUTH SLIP LIGHT 1	43-01-16.800N 087-53-41.200W	F G	12 4		On yellow post.	Private aid.
20695	- CITY SOUTH PIER NO. 2 NORTH LIGHT	43-01-10.000N 087-53-38.000W	FI G 4s	20 6		On yellow post.	Maintained from Apr. 30 to Nov. 30. Private aid.
20700	- CITY SOUTH PIER NO. 2 SOUTH LIGHT	43-01-04.900N 087-53-35.000W	Q R	20 6		On yellow post.	Maintained from Apr. 30 to Nov. 30. Private aid.
20715	- TANKER PIER LIGHT	43-00-54.000N 087-53-24.000W	FI W 4s	14 4		On green post.	Private aid.
20720	- SOUTH DISPOSAL AREA LIGHT 2	43-00-17.395N 087-53-04.003W	FI R 2.5s	31 9	4	TR on pile.	
20725	SOUTH SHORE PARK BREAKWATER LIGHT	43-00-08.800N 087-53-05.400W	Q G	16 5		On post standard.	Private aid.
20729	SOUTH SHORE PARK ENTRANCE LIGHTED BUOY 1	42-59-37.998N 087-52-28.308W	FI G 4s	3 1		Green.	Maintained from May 1 to Oct. 15. Private aid.
20730	<i>South Shore Park Entrance Lighted Buoy 2</i>	42-59-41.062N 087-52-21.485W	FI R 2.5s			Red.	Maintained from May 1 to Oct. 15. Private aid.
20735	Texas Rock Regulatory Buoy	42-59-28.588N 087-52-23.410W				White can with orange bands worded DANGER ROCKS.	Maintained from Apr. 14 to Oct. 14.
20751	- War Memorial South Daybeacon	43-02-19.100N 087-53-45.000W				NW on pile worded DANGER BREAKWATER.	Private aid.
20752	- War Memorial North Daybeacon	43-02-22.200N 087-53-44.800W				NW on pile worded DANGER BREAKWATER.	Private aid.
20754	VETERANS PARK WEST LIGHT	43-02-35.100N 087-53-18.720W	FI W 4s				Private aid.
20754.1	VETERANS PARK EAST LIGHT	43-02-35.880N 087-53-16.360W	FI W 4s				Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>MILWAUKEE HARBOR (Chart 14924)</b>							
<b>Milwaukee</b>							
<b>MicKinley Marina</b>							
<i>Aids to navigation maintained from Apr. 1 to Oct. 31.</i>							
20755	- LIGHT 1	43-02-46.000N 087-52-54.500W	Q G	20 6		SG on post.	Private aid.
20756	- PREFERRED CHANNEL LIGHT A/B	43-02-48.200N 087-52-50.700W	Fl (2+1)R 6s	21 6		JR on post.	Private aid.
20757	- LIGHT 2	43-02-42.400N 087-52-52.900W	Fl R 2.5s	21 6		TR on post.	Private aid.
20758	- Daybeacon 3	43-02-51.500N 087-52-50.300W				SG on post.	Private aid.
20759	- Daybeacon 4	43-02-51.300N 087-52-46.900W				TR on post.	Private aid.
20760	- Daybeacon 5	43-03-01.000N 087-52-58.300W				SG on post.	Private aid.
20761	- Daybeacon 6	43-03-00.400N 087-52-56.100W				TR on post.	Private aid.
<b>PORT WASHINGTON TO WAUKEGAN (Chart 14904)</b>							
20761.5	<i>UWM BBB 1</i>	43-03-33.120N 087-51-58.320W	Q Y				Private aid.
20762	<i>UWM ATW</i>	43-05-53.760N 087-50-58.680W	Fl Y 4s				Maintained from May. 1 to Dec. 1. Private aid.
20762.1	<i>UWM SFS</i>	43-05-47.460N 087-51-52.200W	Fl Y 4s				Maintained from 1 Apr. to Nov. 1. Private aid.
20763	<i>MAST Yacht Club Race Buoy</i>	43-02-25.000N 087-50-01.360W	Fl W 3s				Maintained from May 1 to Nov. 1. Private aid.
20764	<i>Port Washington NOAA Weather Wave Buoy 1</i>	43-19-24.590N 087-48-43.410W	Fl Y 2.5s				Maintained from May.1 to Nov.1. Private aid.
20765	KEVICH LIGHT	43-19-23.700N 087-53-18.500W	Iso W 8s	163 50		White cylindrical tower.	Private aid.
<b>STONY LAKE TO POINT BETSIE</b>							
20768	<i>UWM Port Washington Weather Wave Buoy 1</i>	43-20-20.200N 087-52-43.100W	Fl Y 4s				Maintained from May.15 to Nov.15. Private aid.
<b>PORT WASHINGTON TO WAUKEGAN (Chart 14904)</b>							
<b>Port Washington</b>							
20770	- BREAKWATER LIGHT	43-23-06.840N 087-51-34.554W	Fl R 6s	78 24	7	On square tower.	HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Fog signal operates by keying the microphone five times on VHF-FM channel 83A.
20780	- HARBOR BREAKWATER LIGHT 1	43-23-04.085N 087-51-38.912W	Fl G 4s	34 10	6	White cylindrical tower with green band.	
20790	- HARBOR LIGHT 4	43-23-15.156N 087-51-48.602W	Fl R 2.5s	27 8	4	TR on post.	
20795	- MUNICIPAL MARINA LIGHT 1	43-23-17.795N 087-51-49.010W	Fl G 2.5s	27 8	5	SG on post.	
<b>ALGOMA TO SHEBOYGAN (Chart 14903)</b>							
<b>Sheboygan</b>							
20805	- GENERATING STATION SOUTH INTAKE CRIB LIGHT 6	43-42-55.980N 087-41-58.380W	Fl R 3s	49 15		TR on skeleton tower on cylindrical well.	Private aid.
20810	- GENERATING STATION MIDDLE INTAKE CRIB LIGHT 4	43-43-00.000N 087-41-49.600W	Fl R 10s	50 15		TR on rectangular tower.	Private aid.
20815	- <i>Generating Station North Intake Lighted Buoy 2</i>	43-43-02.000N 087-42-01.200W	Fl R 4s			Red.	Maintained from May 1 to Oct. 15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>MANITOWOC AND SHEBOYGAN (Chart 14922)</b>							
<b>Sheboygan</b>							
20820	- BREAKWATER LIGHT	43-44-58.230N 087-41-33.832W	FI R 4s	55 17	8	On cylindrical tower.	HORN: 1 blast ev 30s (3s bl). Fog signal operates by keying the microphone five times on VHF-FM channel 83A.
20830	- SOUTH PIERHEAD LIGHT	43-44-54.957N 087-41-41.651W	FI G 4s	22 7	6	SG on post.	
20832	- MARINA LIGHT 2	43-45-02.200N 087-42-03.600W	FI R 4s	20 6		TR on pole.	Maintained from May 1 to Nov. 15. Private aid.
20833	- Marina Daybeacon 1	43-45-04.800N 087-42-04.700W				SG on pole.	Private aid.
20834	- NOAA Weather Wave Buoy 1	43-43-53.460N 087-37-29.810W	FI Y 2.5s				Maintained from May.1 to Nov.1. Private aid.
20835	- NORTH PIERHEAD LIGHT	43-44-57.514N 087-42-09.409W	F R	29 9	6	TR on post.	
20840	- Reef Lighted Buoy 2 Marks east side of reef.	43-45-26.748N 087-41-09.463W	FI R 2.5s		5		Replaced from Nov. 07 to Apr. 14.
<b>Manitowoc</b>							
20842	- INTAKE EAST LIGHT	44-04-42.000N 087-38-54.000W	Q W	10 3		On post.	Maintained from Apr. 15 to Dec. 1. Private aid.
20843	- INTAKE WEST LIGHT	44-04-49.800N 087-39-18.000W	Q W	10 3		On post.	Maintained from Apr.15 to Dec. 1. Private aid.
20845	- Shoal Buoy 1 Marks northeast side of shoal.	44-05-18.162N 087-37-44.151W				Green can.	
20850	- Shoal Buoy 2	44-05-56.782N 087-37-32.215W				Red nun.	
20855	- SOUTH BREAKWATER LIGHT 3	44-05-28.824N 087-38-37.838W	FI G 2.5s	35 11	10	White cylindrical tower with green band.	
20860	- Breakwater Light	44-05-33.948N 087-38-36.942W	Iso W 6s	52 16	12	On cylindrical tower on fog signal building. 52	HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates by keying microphone five times on VHF-FM CH 83A.
20865	- Buoy 6	44-05-35.238N 087-38-51.095W				Red nun.	Maintained from Apr. 14 to Nov. 14.
<b>Manitowoc Harbor of Refuge</b>							
20870	- Junction Buoy Mh	44-05-35.288N 087-38-58.440W				Red and green bands; nun.	Maintained from Apr. 14 to Nov. 14.
20875	- PIERHEAD LIGHT 8	44-05-32.680N 087-39-05.592W	FI R 4s	33 10	4	TR on skeleton tower.	
20878	CITY CENTRE PILE 1	44-05-49.500N 087-39-56.040W	FI W 2.5s				Private aid.
20879	CITY CENTRE PILE 2	44-05-49.440N 087-39-56.700W	FI W 2.5s				Private aid.
20880	- Buoy 1	44-05-37.606N 087-38-58.431W				Green can.	Maintained from Apr. 14 to Nov. 14.
20885	- Buoy 2	44-05-37.720N 087-38-53.629W				Red nun.	Maintained from Apr. 14 to Nov. 14.
20890	- Buoy 3	44-05-39.862N 087-38-58.919W				Green can.	Maintained from Apr. 14 to Nov. 14.
20895	- LIGHT 4	44-05-40.330N 087-38-56.032W	FI R 2.5s	15 5	4	TR on post.	
20900	- ICE BOOM WEST LIGHT	44-05-41.900N 087-38-55.500W	Q R			On post.	Maintained on station only during deployment of ice boom. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>MANITOWOC AND SHEBOYGAN (Chart 14922)</b>							
<b>Manitowoc</b>							
<b>Manitowoc Harbor of Refuge</b>							
20905	- ICE BOOM EAST LIGHT	44-05-41.900N 087-38-55.900W	Q R	4 1		On post.	Maintained on station only during deployment of ice boom. Private aid.
20910	- LIGHT 5	44-05-41.930N 087-38-56.032W	FI G 2.5s	15 5	5	SG on post.	
20915	- Daybeacon 6	44-05-41.530N 087-38-53.332W				TR on post.	
<b>ALGOMA TO SHEBOYGAN (Chart 14903)</b>							
<b>Two Rivers</b>							
20925	- NORTH PIERHEAD LIGHT	44-08-33.690N 087-33-38.532W	FI R 2.5s	34 10	12	White cylindrical tower with red band.	HORN: 1 blast ev 15s (2s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
20930	- SOUTH PIERHEAD LIGHT	44-08-32.064N 087-33-41.720W	FI G 4s	30 9	4	SG on post.	
<b>ALGOMA TO SHEBOYGAN (Chart 14903)</b>							
20935	<b>Rawley Point Light</b>	44-12-38.418N 087-30-31.932W	FI W 15s	113 34	16	On cylindrical tower. 113	
20940	NOAA Wisconsin Shipwreck Pathfinder NMS Shallow Water Unlighted Buoy	44-14-43.980N 087-30-41.260W					Maintained from May.1 to Nov.1. Private aid.
20940.1	NOAA Wisconsin Shipwreck Continental NMS Shallow Water Unlighted Buoy 1	44-13-55.920N 087-30-27.720W					Maintained from May.1 to Nov.1. Private aid.
20940.2	NOAA Wisconsin Shipwreck Lookout NMS Shallow Water Unlighted Buoy 2	44-11-42.420N 087-30-35.760W					Maintained from May.1 to Nov.1. Private aid.
20940.3	NOAA Wisconsin Shipwreck LaSalle NMS Shallow Water Unlighted Buoy 3	44-11-31.440N 087-30-35.460W					Maintained from May.1 to Nov.1. Private aid.
20940.4	NOAA Wisconsin Shipwreck Major Anderson NMS Shallow Water Unlighted Buoy 4	44-10-55.680N 087-30-58.680W					Maintained from May.1 to Nov.1. Private aid.
20940.5	NOAA Wisconsin Shipwreck Tubal Cain NMS Shallow Water Unlighted Buoy 5	44-09-20.990N 087-32-30.300W					Maintained from May.1 to Nov.1. Private aid.
<b>Kewaunee</b>							
20950	- SHOAL LIGHT	44-27-03.971N 087-27-55.401W	FI G 4s	43 13	8	White cylindrical tower with green band.	HORN: 1 blast ev 15s (2s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
20955	- Pierhead Light	44-27-26.220N 087-29-35.280W	F W	45 14	12	Square tower on fog signal building. 45	HORN: 1 blast ev 30s (3s bl). Operated by keying the microphone five times on VHF FM channel 83A / 157.175MHz.
20965	- BREAKWATER LIGHT	44-27-28.788N 087-29-26.868W	FI R 4s	39 12	7	White cylindrical tower with red band.	
20970	- NORTH PIERHEAD LIGHT 4	44-27-33.042N 087-29-48.756W	FI R 6s	38 12	4	TR on pile.	
<b>LOWER GREEN BAY (Chart 14910)</b>							
<b>Algoma</b>							
20975	- Light	44-36-24.678N 087-25-46.788W	Iso R 6s	48 15	12	Cylindrical tower. 48	HORN: 1 blast ev 10s (1s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
20980	- LIGHT 1	44-36-23.210N 087-25-47.336W	FI G 4s	20 6	6	SG on post.	
20985	- LIGHT 2	44-36-26.750N 087-25-48.842W	FI R 4s	28 9	4	TR on pile on post.	
<b>ALGOMA TO SHEBOYGAN (Chart 14903)</b>							
<b>Sheboygan</b>							
20986	NOAA Algoma Weather Wave Buoy 1	44-20-44.040N 087-26-44.670W	FI Y 4s				Maintained from May.1 to Nov.1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>STURGEON BAY AND CANAL (Chart 14919)</b>							
20990	Canal Shoal Buoy 1 Marks east side of shoal.	44-45-33.530N 087-18-06.082W				Green can.	
<b>Sturgeon Bay Ship Canal</b>							
20995	- Light	44-47-42.068N 087-18-48.062W	FI R 10s	107 33	17	On cylindrical tower. 107	
21005	- NORTH PIERHEAD LIGHT	44-47-31.290N 087-18-34.354W	FI R 2.5s	40 12	11	Cylindrical tower attached to fog signal building.	HORN: 2 blasts ev 30s (2s bl-2s si-2s bl-24s si). Operates by keying the microphone five times on VHF FM marine radio channel 83A/157.175MHz.
21010	- Lighted Buoy 2	44-46-43.030N 087-17-24.032W	FI R 2.5s		4	Red.	Replaced by nun from Nov. 07 to Apr. 14.
21015	- Buoy 3	44-47-20.510N 087-18-27.987W				Green can.	
21020	- Buoy 4	44-47-23.748N 087-18-21.297W				Red nun.	
21025	- SOUTH PIERHEAD LIGHT	44-47-29.370N 087-18-39.582W	FI G 4s	32 10	5	White cylindrical tower with green band.	
21030	- South Daybeacon 5A	44-47-37.710N 087-18-49.212W				SG on pile.	
21035	- LIGHT 6	44-47-38.982N 087-18-47.568W	FI R 4s	11 3	4	TR on post.	
21040	- LIGHT 7	44-48-19.941N 087-19-50.767W	FI G 4s	31 9	4	SG on post.	
21045	- Buoy 9	44-48-43.364N 087-20-26.500W				Green can.	
21050	- Buoy 10	44-48-45.234N 087-20-24.170W				Red nun.	
21055	- Buoy 11	44-48-54.193N 087-20-44.220W				Green can.	
21060	- LIGHT 12	44-48-57.827N 087-20-41.633W	FI R 4s	21 6	4	TR on pile.	
21065	- RANGE FRONT LIGHT	44-48-42.615N 087-20-10.062W	Q W	26 8		KRW on skeleton tower.	Lighted throughout 24 hours.
21070	- RANGE REAR LIGHT 1,658 feet, 120.4° from front light.	44-48-34.338N 087-19-50.226W	F W	46 14		KRW on skeleton tower.	Lighted throughout 24 hours.
<b>Strawberry Creek Channel Entrance</b>							
<i>Aids maintained from Jun. 1 to Nov. 1.</i>							
21075	- Buoy 1	44-48-46.000N 087-20-38.000W				Green.	Private aid.
21080	- Buoy 2	44-48-46.300N 087-20-40.000W				Red nun.	Private aid.
21085	- LIGHT 3	44-48-44.000N 087-20-42.500W	F G	38 12		On tower.	Private aid.
21090	- LIGHT 4	44-48-43.600N 087-20-40.000W	F R	38 12		On tower.	Private aid.
21095	- RANGE FRONT LIGHT	44-48-40.000N 087-20-42.000W	F G	14 4		On post.	Private aid.
21100	- RANGE REAR LIGHT 125 feet, 190° from front light.	44-48-38.200N 087-20-43.000W	F G	20 6		On post.	Private aid.
<b>Sturgeon Bay Ship Channel</b>							
21105	STURGEON BAY SHIP CANAL LEADING LIGHT	44-49-52.744N 087-22-57.031W	F G	25 8	5	NB on 2nd span from west end of highway bridge.	Lighted throughout 24 hours.
21110	Sturgeon Bay Ship Canal Buoy 15	44-49-24.775N 087-21-53.797W				Green can.	
21115	Sturgeon Bay Ship Canal Buoy 16	44-49-26.611N 087-21-52.272W				Red nun.	
21117	Sturgeon Bay Ship Canal Lighted Buoy 15A	44-49-35.310N 087-22-19.172W	FI G 2.5s		4	Green can.	Replaced by can from Nov. 21 to Apr. 21.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>STURGEON BAY AND CANAL (Chart 14919)</b>							
<b>Sturgeon Bay Ship Channel</b>							
21118	<i>Sturgeon Bay Ship Canal Lighted Buoy 16A</i>	44-49-37.290N 087-22-17.132W	FI R 4s		4	Red.	Replaced by nun from Nov. 21 to Apr. 21.
21120	<i>Sturgeon Bay Ship Canal Lighted Buoy 17</i>	44-49-39.893N 087-22-37.177W	Q G		4	Green.	Replaced by can from Nov. 21 to Apr. 21.
21125	Sturgeon Bay Ship Canal Buoy 19	44-50-01.890N 087-22-57.193W				Green can.	
21130	Dunlap Reef Buoy C	44-50-05.000N 087-23-11.000W				White with orange bands and orange diamond worded SHALLOW AREA.	Maintained from Apr. 1 to Oct. 31. Private aid.
21135	Dunlap Reef Buoy B	44-50-14.000N 087-23-21.900W				White can with orange bands and diamond worded SHALLOW AREA.	Maintained from Apr. 1 to Oct. 31. Private aid.
21140	Dunlap Reef Buoy D	44-50-15.800N 087-23-12.900W				White can with orange bands and diamond worded SHALLOW AREA.	Maintained from Apr. 1 to Oct. 31. Private aid.
21155	- Buoy 22	44-50-48.351N 087-23-31.751W				Red nun.	
21160	- LIGHT 21 Marks north side of Dunlap Reef.	44-50-24.874N 087-23-17.545W	FI G 4s	31 9	7	SG on post.	Higher intensity beam up and downstream.
21165	Dunlap Reef Buoy A	44-50-25.000N 087-23-21.000W				White with orange bands and orange diamond worded SHALLOW AREA.	Maintained from Apr. 1 to Oct. 31. Private aid.
21170	- Buoy 23	44-50-47.015N 087-23-35.559W				Green can.	
21175	- Buoy 24	44-51-09.643N 087-23-49.103W				Red nun.	Replaced by nun from Nov. 21. to Apr. 21.
21180	- Buoy 25	44-51-08.561N 087-23-53.735W				Green can.	Replaced by can from Nov. 21. to Apr. 21.
21185	- <i>Lighted Buoy 26</i>	44-51-35.466N 087-24-09.338W	FI R 4s		4	Red.	Replaced by nun from Nov. 21 to Apr. 21.
21190	- LIGHT 27	44-51-34.230N 087-24-17.242W	FI G 4s	29 9	5	SG on post.	Higher intensity beam up and downstream.
21195	- Buoy 28	44-52-04.425N 087-24-29.438W				Red nun.	
21200	- Buoy 29	44-52-02.873N 087-24-35.880W				Green can.	
21205	- <b>Entrance Leading Light</b>	44-52-07.470N 087-24-52.987W	F Y	36 11	17	KRW on cylindrical tower. 36	Sectored light, Yellow light in the channel center, green light right of channel center, red light left of channel center.
21206	- <i>Lighted Buoy 30</i>	44-52-33.030N 087-24-48.033W	Q R		4	Red.	Replaced by nun from Apr. 21 to Nov. 21.
21210	- <i>Lighted Buoy 31</i> Marks east side of shoal.	44-52-45.739N 087-24-55.252W	FI G 2.5s		4	Green	Replaced by can from Nov. 21 to Apr. 21.
21215	- <i>Lighted Buoy 32</i>	44-52-43.843N 087-24-48.760W	FI R 2.5s		4	Red.	Replaced by nun from Nov. 21 to Apr. 21.
21217	DOOR COUNTY PARK LIGHT 1	44-54-15.000N 087-24-23.000W	FI G 4s				Maintained from Apr. 1 TO Nov. 30. Private aid.
21218	DOOR COUNTY PARK LIGHT 2	44-54-15.000N 087-24-21.000W	FI R 4s				Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>LOWER GREEN BAY (Chart 14910)</b>							
21220	Whitefish Point Shoal Buoy 10 Marks southeast side of shoal.	44-51-56.624N 087-11-26.589W				Red nun.	
21225	Jacksonport Shoal Buoy 2	44-57-53.130N 087-09-11.332W				Red nun.	
<b>UPPER GREEN BAY</b>							
<b>Baileys Harbor</b>							
21228	- FRONT RANGE LIGHT	45-04-12.700N 087-07-11.100W	F R				Private aid.
21229	- REAR RANGE LIGHT	45-04-22.200N 087-07-16.200W	F W				Private aid.
21235	- Entrance Lighted Bell Buoy	45-01-50.712N 087-05-56.744W	Mo (A) W		4	Red and white stripes.	Maintained from Apr. 21 to Oct. 14.
21240	- Buoy 3	45-02-16.111N 087-06-36.115W				Green can.	
21245	- Buoy 2	45-02-28.028N 087-06-00.051W				Red nun.	
21250	BAILEYS YACHT CLUB BREAKWATER LIGHT	45-03-52.000N 087-05-53.000W	Q R	18 5		On post.	Maintained from Apr. 1 to Nov. 1. Private aid.
<b>UPPER GREEN BAY</b>							
21255	<b>Cana Island Light</b>	45-05-17.826N 087-02-52.248W	F W	83 25	17	On conical tower connected to dwelling. 83	
21260	North Bay Entrance South Side Buoy 1	45-07-42.348N 087-02-50.362W				Green can.	
21265	North Bay Entrance North Side Buoy 2	45-07-52.119N 087-02-37.060W				Red nun.	
21270	Four-Foot Shoal Buoy 8 Marks south side of shoal.	45-08-59.803N 086-59-33.232W				Red nun.	
<b>Rowley Bay</b>							
21273	- Buoy 1	45-10-21.451N 087-01-23.912W				Green can.	
21275	- Buoy 2 Marks west side off Barkers Reef.	45-10-36.631N 087-01-05.232W				Red nun.	
21280	Spider Reef Buoy 6 Marks south side of reef.	45-11-34.453N 086-58-05.444W				Red nun.	
21285	- East Entrance Buoy 2A Marks shoal.	45-11-38.875N 086-59-40.478W				Red nun.	
21290	- Buoy 3 Marks east side of shoal.	45-11-34.631N 087-01-35.032W				Green can.	
21295	- Buoy 4 Marks south side of shoal.	45-11-53.131N 087-01-01.032W				Red nun.	
<b>GREEN BAY</b>							
<b>UPPER GREEN BAY</b>							
21296	Wagon Trails Resort Buoy 1	45-13-12.000N 087-01-59.460W					Maintained from May.15 to Sep.15. Private aid.
21296.1	Wagon Trails Resort Buoy 2	45-13-12.180N 087-02-00.000W					Maintained from May.15 to Sep.15. Private aid.
21296.2	Wagon Trails Resort Buoy 3	45-13-11.700N 087-02-00.300W					Maintained from May.15 to Sep.15. Private aid.
21296.3	Wagon Trails Resort Buoy 4	45-13-11.880N 087-02-00.540W					Maintained from May.15 to Sep.15. Private aid.
21296.4	Wagon Trails Resort Buoy 5	45-13-11.880N 087-02-00.960W					Maintained from May.15 to Sep.15. Private aid.
21296.5	Wagon Trails Resort Buoy 6	45-13-11.700N 087-02-01.140W					Maintained from May.15 to Sep.15. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>UPPER GREEN BAY</b>							
<b>Porte Des Morts Passage</b>							
21300	Porte Des Morts Entrance VAIS	45-13-52.800N 086-53-54.142W			1		AIS MMSI: 993672158.
21305	PLUM ISLAND RANGE FRONT LIGHT	45-18-13.597N 086-57-17.935W	Iso R 6s	40 12		KRW on white skeleton tower.	Visible 5.5° each side of range line.
21310	PLUM ISLAND RANGE REAR LIGHT 1,633 feet, 330° from front light.	45-18-27.552N 086-57-29.447W	F R	84 26		KRW on white cylindrical tower.	Light visible 360°. Lighted throughout 24 hours.
<b>LAKE MICHIGAN (Chart 14901)</b>							
21315	WISC Portes Des Mortes Passage Weather Wave Buoy 1	45-17-54.492N 086-58-54.579W	Fl Y 4s				Private aid.
<b>UPPER GREEN BAY</b>							
<b>Porte Des Morts Passage</b>							
21320	- Outer Shoal Buoy 1 Marks east side of shoal.	45-13-57.830N 086-55-28.908W				Green can.	
21325	Pilot Island Light	45-17-03.978N 086-55-11.034W	Fl (2)W 6s 1s fl 1s ec. 1s fl 3s ec.	48 15	9	Yellow square tower with red roofs attached to dwelling. 48	
21330	Nine-Foot Shoal Buoy 3 Marks east side of shoal.	45-16-32.788N 086-57-03.848W				Green can.	
21335	Waverly Shoal Lighted Bell Buoy 5 Marks northeast side of shoal.	45-17-07.209N 086-56-42.516W	Fl G 2.5s		4	Green.	Replaced by can from Nov 7 to Apr. 21.
21337	- NORTHPORT HARBOR BREAKWATER LIGHT 1	45-17-32.000N 086-58-34.000W	Fl G 2.5s	20 6		SG on blue pole.	Private aid.
21338	- NORTHPORT HARBOR BREAKWATER LIGHT 2	45-17-28.000N 086-58-30.000W	Fl R 2.5s	20 6		TR on blue pole.	Private aid.
<b>GREEN BAY</b>							
<b>Green Bay Harbor</b>							
<b>Green Bay Harbor Entrance Channel</b>							
<b>UPPER GREEN BAY</b>							
21339	Washington Island Weather Wave Buoy 1	45-20-08.720N 086-57-35.320W	Fl W 2.5s				Maintained from May.1 to Nov.31. Private aid.
<b>LAKE MICHIGAN</b>							
<b>UPPER GREEN BAY</b>							
<b>Detroit Island Passage</b>							
21340	- Lighted Buoy 2 Marks southwest side of shoal.	45-18-57.048N 086-56-18.242W	Q R		4	Red	Replaced by nun from Nov. 7 to Apr. 21.
21345	Plum Island Lighted Buoy 1	45-19-18.472N 086-56-43.980W	Fl G 2.5s		5	Green.	Maintained from Apr. 21 to Nov. 7. AIS MMSI: 993682700
<b>Detroit Harbor</b>							
21348	- Entrance Buoy 2	45-19-43.078N 086-56-10.285W				Red Nun	
21350	- ENTRANCE LIGHT	45-19-55.590N 086-56-12.666W	Fl W 4s	25 8	11	SG on skeleton tower.	HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM Ch. 83A. Ra ref.
21354	- Channel Lighted Buoy 4	45-19-54.208N 086-56-09.382W	Fl R 2.5s		3	Red.	Maintained from 7 May to Nov. 21.
21355	- Channel Buoy 6	45-20-04.460N 086-56-07.881W				Red nun.	
21360	- CHANNEL LIGHT 8	45-20-13.039N 086-56-07.279W	Fl R 4s	32 10	5	TR on post.	
21365	- CHANNEL LIGHT 9	45-20-16.879N 086-56-10.794W	Fl G 2.5s	32 10	4	SG on post.	
21370	- Channel Buoy 10	45-20-20.393N 086-56-08.594W				Red nun.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>UPPER GREEN BAY</b>							
<b>Detroit Harbor</b>							
21375	- Channel Buoy 12	45-20-24.151N 086-56-07.628W				Red nun.	Maintained from 07 May to 21 November
21380	- Channel Danger Buoy	45-20-26.101N 086-56-11.300W				Isolated Danger Buoy	Maintained from 07 May to 21 Nov
21385	- Channel Buoy 13	45-20-25.211N 086-56-09.073W				Green can.	Maintained from 07 May to 21 Nov
<b>Shipyard Island Marina</b>							
21390	- <i>Lighted Buoy 2</i>	45-20-32.000N 086-55-45.000W	FI R 2.5s			Red.	Maintained from May 15 to Oct. 15. Private aid.
21395	- <i>Lighted Buoy 4</i>	45-20-27.500N 086-55-12.000W	FI R 3s			Red.	Maintained from May 15 to Oct. 15. Private aid.
21400	- <i>Lighted Buoy 6</i>	45-20-24.100N 086-54-45.600W	FI R 3s			Red.	Maintained from May 15 to Oct. 15. Private aid.
21405	- NORTH DOCK LIGHT	45-20-24.100N 086-54-33.500W	FI R 2.5s	10 3		SG on post.	Maintained from May 15 to Oct. 15. Private aid.
21410	- SOUTH DOCK LIGHT	45-20-23.000N 086-54-30.000W	FI R 2.5s	10 3		TR on post.	Maintained from May 15 to Oct. 15. Private aid.
<b>UPPER GREEN BAY</b>							
21420	<i>Fisherman Shoal Lighted Bell Buoy 6</i> Marks southeast side of shoal.	45-21-32.920N 086-46-12.644W	FI R 4s		4	Red.	Replaced by nun from Nov. 07 to Apr. 21.
<b>Rock Island Passage</b>							
21423	- Traffic (RI) V-AIS	45-26-06.043N 086-44-32.048W	(NIGHT)  (DAY)				AIS MMSI# 993682124
21425	POTTAWATOMIE LIGHT	45-25-39.534N 086-49-43.568W	FI W 4s	159 48	7	On square skeleton tower.	Light is obscured from 275° to 020° by dense foliage on Rock Island.
21435	<i>St Martin Island Shoal Lighted Buoy 2</i> Marks south side of shoal.	45-26-36.063N 086-45-07.453W	FI R 2.5s		4	Red.	Maintained from Apr 21 to Nov 07. AIS MMSI: 993672240
21440	St Martin Shoal Buoy 4 Marks southwest side of shoal.	45-26-39.896N 086-46-26.062W				Red nun.	Maintained from Apr. 21 to Nov. 07.
<b>UPPER GREEN BAY</b>							
21445	<i>Little Gull Island Lighted Bell Buoy 2</i>	45-29-33.655N 086-42-58.083W	FI R 4s		4	Red.	Maintained from Apr. 21 to Oct. 14.
21450	<b>St. Martin Island Light</b>	45-30-15.968N 086-45-28.032W	FI W 10s	84 26	16	On hexagonal tower.	
21455	Gravelly Island Shoal Buoy 4 Marks west side of shoal.	45-30-45.365N 086-43-59.112W				Red nun.	
21465	SUMMER ISLAND LIGHT	45-34-19.551N 086-37-40.512W	FI W 4s	38 12	6	NR on skeleton tower.	
<b>DUTCH JOHNS POINT TO FISHERY POINT</b>							
<b>Manistique</b>							
21470	<i>Wiggins Point Shoal Lighted Bell Buoy 4</i>	45-50-27.016N 086-16-52.914W	FI R 4s		4		Maintained from Apr. 28 to Nov. 14.
21475	- LIGHT	45-56-41.587N 086-14-51.462W	Iso R 6s	50 15	9	On tower.	HORN: 1 blast ev 30s (3s bl). Operate the fog signal by keying VHF Marine radio five times on channel 83A.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>DUTCH JOHNS POINT TO FISHERY POINT</b>							
<b>Manistique</b>							
21480	- WEST BREAKWATER LIGHT 1	45-56-43.454N 086-14-55.491W	FI G 4s	26 8	4	SG on post.	
21485	- WEST PIERHEAD LIGHT 3	45-56-52.251N 086-14-47.992W	FI G 2.5s	23 7	4	SG on post.	
<b>WAUGOSHANCE POINT TO SEUL CHOIX POINT (Chart 14911)</b>							
21490	<b>Seul Choix Point Light</b>	45-55-17.115N 085-54-43.174W	FI W 6s	80 24	13	80	
<b>Port Inland</b>							
21500	- LIGHT	45-57-08.000N 085-52-06.000W		48 15		On skeleton tower.	Maintained from Apr. 15 to Dec. 15. HORN: 1 blast ev 12s (2s bl). Private aid.
21505	- OUTER RANGE FRONT LIGHT	45-58-06.000N 085-52-06.000W	Q R	25 8		Orange and white square daymark on pile.	Maintained from Apr. 15 to Dec. 15. Private aid.
21510	- OUTER RANGE REAR LIGHT 800 feet, 000° from front light.	45-58-30.000N 085-52-06.000W	F R	45 14		Orange and white square daymark on pile.	Maintained from Apr. 15 to Dec. 15. Private aid.
21515	- INNER RANGE FRONT LIGHT	45-58-25.000N 085-52-06.000W	F R	20 6		Orange and white square daymark on pile.	Maintained from Apr. 15 to Dec. 15. Private aid.
21520	- INNER RANGE REAR LIGHT 625 feet, 047° from front light.	45-58-12.000N 085-52-00.000W	F R	40 12		Orange and white square daymark on pile.	Maintained from Apr. 15 to Dec. 15. Private aid.
<b>WAUGOSHANCE POINT TO SEUL CHOIX POINT (Chart 14911)</b>							
21525	<i>Boulder Reef Lighted Bell Buoy 1</i>	45-35-12.303N 085-59-06.888W	FI G 4s		5	Green.	Replaced by can from Nov 14 to Apr. 28.
21530	GULL ISLAND LIGHT	45-42-41.677N 085-50-33.277W	FI W 6s	77 23	9	NR on skeleton tower.	
21535	<b>Lansing Shoals Light</b>	45-54-13.472N 085-33-42.211W	FI W 10s	69 21	12	Gray square tower on concrete crib. 69	HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM Ch. 83A. AIS: MMSI: 993682297
21540	<i>Garden Island Shoal Lighted Bell Buoy 1</i> Marks northeast side of shoal.	45-52-05.721N 085-28-26.157W	FI G 4s		5	Green.	Maintained from Apr 28 to Nov. 14. AIS MMSI: 993682296
21545	Trout Island Shoal Buoy 5 Marks west side of shoal.	45-46-45.631N 085-44-15.031W				Green can.	
21550	Whiskey Island Shoal Buoy 6	45-47-16.689N 085-37-58.607W				Red nun.	
21555	Whiskey Island Shoal Buoy 4 Marks south side of shoal.	45-48-07.187N 085-35-31.029W				Red nun.	
21560	Ojibwa Island Shoal Buoy 2 Marks east side of shoal.	45-50-13.002N 085-34-05.054W				Red nun.	
21565	Ojibwa Island Shoal Buoy 1	45-52-18.043N 085-35-00.588W				Green can.	Maintained from Apr. 24 to Nov 14. AIS MMSI: 993682271
21570	Potter Reef Buoy 1 Marks northeast side of reef.	45-59-50.206N 085-30-54.882W				Green can.	
21575	Millecoquins Inner Reef Buoy 2 Marks west side of reef.	46-00-43.399N 085-28-15.217W				Red nun.	
21580	NAUBINWAY ISLAND LIGHT	46-04-32.192N 085-26-41.911W	FI W 4s	32 10	6	White cylindrical tower.	
<b>GREEN BAY</b>							
<b>DUTCH JOHNS POINT TO FISHERY POINT</b>							
<b>Big Bay De Noc</b>							
21590	<i>Fayette Lighted Bell Buoy 2</i>	45-43-21.420N 086-40-20.760W	FI R 4s		4	Red.	Maintained from Apr. 28 to Oct 14.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>GREEN BAY</b>							
<b>DUTCH JOHNS POINT TO FISHERY POINT</b>							
<b>Big Bay De Noc</b>							
21592	- OGONTZ BAY BOAT LAUNCH LIGHT	45-49-58.000N 086-47-14.000W		20 6		On post.	Maintained from Apr. 15 to Oct. 30. Private aid.
21595	- Shoal Buoy 1 Marks south side of shoal.	45-44-42.048N 086-42-20.326W				Green can.	
21600	<i>Drisco Shoal Lighted Bell Buoy 2</i> Marks south side of shoal.	45-33-18.936N 086-57-33.806W	FI R 2.5s		4	Red.	Replaced by nun from Nov. 21 to Apr. 28.
21605	<i>Southwest Drisco Shoal Lighted Buoy DA</i>	45-32-09.920N 087-00-36.482W	FI (2)W 5s		4	Black with red band and two top marks.	Replaced by can from Nov. 21 Apr. 28. AIS MMSI: 993672241
<b>LAKE MICHIGAN</b>							
<b>LAKE MICHIGAN (Chart 14901)</b>							
21608	<i>MTU Northern Green Bay Weather Wave Buoy 1</i>	45-32-59.454N 086-53-46.120W	FI Y 2.5s				Maintained from May.1 to Dec.1. Private aid.
<b>GREEN BAY</b>							
<b>DUTCH JOHNS POINT TO FISHERY POINT</b>							
<b>Big Bay De Noc</b>							
21610	<b>Minneapolis Shoal Light</b>	45-34-53.357N 086-59-55.410W	FI W 5s	82 25	15	On white square tower with red stripe.	RACON: M ( - - ) HORN: 1 blast ev 30s (3s bl). Operates by keying the microphone five times on VHF-FM 83A.
21615	Corona Shoal Buoy 4	45-36-42.135N 086-57-44.568W				Red nun.	Maintained from Apr. 28 to Nov. 21.
21620	<i>Ford River Shoal Lighted Buoy 5</i> Marks southeast side of shoal.	45-38-31.988N 087-03-38.835W	FI G 4s		4	Green.	Maintained from Apr. 28 to Nov. 21.
21621	FORD RIVER BOAT LAUNCH LIGHT	45-40-26.000N 087-08-24.000W	FI Y 4s			On post.	Maintained from May 1 to Nov. 1. Private aid.
21625	<i>Eleven Foot Shoal Lighted Bell Buoy 6</i>	45-38-03.922N 086-59-16.502W	FI R 6s		4	Red.	Replaced by nun from Nov. 21 to Apr. 28.
<b>LITTLE BAY DE NOC (Chart 14915)</b>							
<b>Little Bay De Noc</b>							
21630	- <i>Lighted Buoy 8</i>	45-43-45.820N 087-01-30.619W	FI R 4s		4	Red.	Maintained from Apr. 28 to Nov. 21. AIS MMSI: 993672242
21631	Escanaba Harbor Daybeacon 1	45-44-32.700N 087-02-15.500W				SG on post.	Private aid.
21632	ESCANABA YACHT HARBOR NORTH PIERHEAD LIGHT 2	45-41-35.400N 087-02-14.200W	F R	30 9		TR on post.	Private aid.
21635	ESCANABA LIGHT Marks shoal.	45-44-47.502N 087-02-13.764W	Iso W 6s	45 14	11	White square tower with green band.	HORN: 1 blast ev 30s (3s bl). Operates by keying the microphone five times on VHF-FM Ch. 83A.
21645	Escanaba Buoy 1 Marks north side of obstruction.	45-44-50.419N 087-02-38.622W				Green can.	
21646	Basic Marine Inc. Buoy 1	45-44-53.400N 087-03-06.500W				Green can.	Maintained from Apr. 15 to Dec. 1. Private aid.
21647	Basic Marine Inc. Buoy 2	45-44-58.000N 087-03-10.000W				Red nun.	Maintained from Apr. 15 to Dec. 1. Private aid.
21650	- <i>Shoal Lighted Buoy 10</i> Marks southwest side of shoal.	45-45-31.119N 087-01-22.024W	FI R 4s		4	Red.	Maintained from Apr. 28 to Nov. 21.
21655	C & N ORE DOCK LIGHT 4	45-46-03.000N 087-03-20.000W	F R	8 2			Maintained from May 1 to Jan. 1. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>GREEN BAY</b>							
<b>LITTLE BAY DE NOC (Chart 14915)</b>							
<b>Little Bay De Noc</b>							
21670	Vinette Co Buoy 2 Marks submerged piling.	45-46-15.000N 087-03-20.000W				Red nun.	Maintained from Apr. 15 to Oct. 31. Private aid.
21675	Vinette Co Buoy 4 Marks submerged piling.	45-46-14.600N 087-03-28.000W				Red nun.	Maintained from Apr. 15 to Oct. 31. Private aid.
21680	Vinette Co Buoy 6 Marks submerged piling.	45-46-14.300N 087-03-45.100W				Red nun.	Maintained from Apr. 15 to Oct. 31. Private aid.
21682	<i>Escanaba River Lighted Buoy 1</i>	45-46-34.200N 087-03-21.000W	FI G 4s			Green.	Maintained from May 1 to Nov. 15. Private aid.
21682.1	<i>Escanaba River Lighted Buoy 2</i>	45-46-35.400N 087-03-19.200W	FI R 4s			Red.	Maintained from May 1 to Nov. 15. Private aid.
21682.2	Escanaba River Buoy 3	45-46-36.000N 087-03-24.000W				Green can.	Maintained from May 1 to Nov. 15. Private aid.
21682.3	Escanaba River Buoy 4	45-46-36.600N 087-03-23.400W				Red nun.	Maintained from May 1 to Nov. 15. Private aid.
21682.4	Escanaba River Buoy 5	45-46-37.800N 087-03-29.400W				Green can.	Maintained from May 1 to Nov. 15. Private aid.
21682.5	Escanaba River Buoy 6	45-46-38.400N 087-03-28.200W				Red nun.	Maintained from May 1 to Nov. 15. Private aid.
21682.6	Escanaba River Buoy 7	45-46-38.400N 087-03-33.600W				Green can.	Maintained from May 1 to Nov. 15. Private aid.
21682.7	Escanaba River Buoy 8	45-46-39.000N 087-03-32.400W				Red nun.	Maintained from May 1 to Nov. 15. Private aid.
21682.8	Escanaba River Buoy 9	45-46-39.000N 087-03-39.000W				Green can.	Maintained from May 1 to Nov. 15. Private aid.
21682.9	Escanaba River Buoy 10	45-46-40.200N 087-03-37.800W				Red nun.	Maintained from May 1 to Nov. 15. Private aid.
21683	Escanaba River Buoy 11	45-46-40.200N 087-03-43.800W				Green can.	Maintained from May 1 to Nov. 15. Private aid.
21683.1	Escanaba River Buoy 12	45-46-41.400N 087-03-43.200W				Red nun.	Maintained from May 1 to Nov. 15. Private aid.
21683.2	Escanaba River Buoy 13	45-46-41.400N 087-03-49.200W				Green can.	Maintained from May 1 to Nov. 15. Private aid.
21683.3	Escanaba River Buoy 14	45-46-42.600N 087-03-48.600W				Red nun.	Maintained from May 1 to Nov. 15. Private aid.
21683.4	Escanaba River Buoy 16	45-46-43.200N 087-03-51.000W				Red nun.	Maintained from May 1 to Nov. 15. Private aid.
21685	- <i>Lighted Buoy 11</i>	45-48-14.031N 087-02-41.033W	FI G 2.5s		5	Green.	Maintained from Apr. 28 to Nov. 21.
21690	- <i>Lighted Buoy 12</i>	45-49-55.875N 087-00-31.676W	FI R 6s		4	Red.	Maintained from Apr. 28 to Nov. 21.
<b>Gladstone</b>							
<i>Buoys maintained from May 15 to Oct. 15.</i>							
21695	- BREAKWATER LIGHT	45-50-17.500N 087-01-03.000W	FI G 2.5s	20 6			Private aid.
21700	- Entrance Buoy 1	45-50-18.000N 087-01-02.000W				Green can.	Private aid.
21705	- Entrance Buoy 2	45-50-19.000N 087-01-00.000W				Red nun	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>GREEN BAY</b>							
<b>LITTLE BAY DE NOC (Chart 14915)</b>							
<b>Little Bay De Noc</b>							
<b>Gladstone</b>							
<i>Buoys maintained from May 15 to Oct. 15.</i>							
21710	- Entrance Buoy 3	45-50-19.000N 087-01-04.000W				Green can.	Private aid.
21715	- Entrance Buoy 4	45-50-20.000N 087-01-02.000W				Red nun.	Private aid.
21720	- Entrance Buoy 5	45-50-20.000N 087-01-05.000W				Green can.	Private aid.
21725	- Entrance Buoy 6	45-50-21.000N 087-01-03.000W				Red nun.	Private aid.
<b>Little Bay De Noc</b>							
21730	Saunders Point Buoy 13	45-50-53.194N 086-59-44.565W				Green can.	
21735	SAUNDERS POINT LIGHT	45-50-52.016N 087-00-01.575W	Iso G 6s	28 9	6	SG on post.	
21740	Saunders Point Shoal Inside Buoy 15	45-51-07.274N 086-59-55.751W				Green can.	
21741	- HUNTERS POINT BOAT LAUNCH LIGHT	45-50-48.000N 086-50-05.000W		20 6		On post.	Maintained from Apr. 15 to Oct. 30. Private aid.
21743	<i>Butler Island Lighted Buoy 17</i>	45-51-53.564N 087-00-33.190W	FI G 4s		3		Maintained from May 1 to Nov. 14
21746	<i>Days River Shoal Lighted Buoy 19</i>	45-53-09.031N 086-58-32.033W	FI G 2.5s		3		Maintained from May 1 to Nov. 14
<b>UPPER GREEN BAY</b>							
21760	JACKSON HARBOR LIGHT	45-24-10.221N 086-51-01.782W	FI R 4s	20 6	7	TR on pile.	
21765	Jackson Harbor Buoy 1	45-24-12.394N 086-50-57.306W				Green can.	
21766	Jackson Harbor Buoy 2	45-24-12.956N 086-50-59.608W				Red nun.	
21770	BOYER BLUFF LIGHT	45-25-12.552N 086-56-11.280W	FI W 6s	220 67	7	On skeleton tower.	
21775	<i>Whaleback Shoal East End Lighted Bell Buoy 4</i>	45-21-00.716N 087-10-12.152W	FI R 6s		4	Red.	Replaced by nun from Nov 21 to Apr. 28.
21780	Whaleback Shoal West End Buoy 1 Marks northwest side of shoal.	45-22-08.019N 087-11-49.658W				Green can.	
21785	CEDAR RIVER PIERHEAD LIGHT	45-24-26.482N 087-21-03.752W	FI G 4s	26 8	7	SG on post.	
21787	CEDAR RIVER LIGHT 2	45-24-29.345N 087-21-01.375W	FI R 4s	20 6	4	TR on pole.	
21790	<i>Cedar River Entrance Lighted Buoy 1</i>	45-23-43.852N 087-20-28.658W	FI G 6s		4	Green can.	Marks rock. Maintained from 28 Apr to 21 Nov.
<b>Green Bay Harbor</b>							
<b>Green Bay Harbor Entrance Channel</b>							
<b>UPPER GREEN BAY</b>							
21793	Cedar River Buoy 3	45-24-10.242N 087-20-59.636W	(NIGHT)  (DAY)			Green can.	Maintained from May 14 to Nov. 14
<b>UPPER GREEN BAY</b>							
21793.5	Cedar River Buoy 4	45-24-11.822N 087-20-56.187W				Red nun.	Maintained from May 14 to Nov. 14.
21794	Cedar River Buoy 5	45-24-15.677N 087-21-01.093W				Green can.	Maintained from May 14 to Nov. 14

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>GREEN BAY</b>							
<b>UPPER GREEN BAY</b>							
21794.1	Cedar River Buoy 6	45-24-17.331N 087-20-58.095W				Red nun.	Maintained from May 14 to Nov. 14.
21794.2	Cedar River Buoy 9	45-24-20.125N 087-21-02.201W				Green can.	Maintained from May 14 to Nov. 14.
21794.3	Cedar River Buoy 10	45-24-21.921N 087-20-59.567W				Red nun.	Maintained from May 14 to Nov. 14.
21794.4	Cedar River Buoy 11	45-24-23.050N 087-21-02.887W				Green can.	Maintained from May 14 to Nov. 14.
21794.5	Cedar River Buoy 12	45-24-24.264N 087-21-00.208W				Red nun.	Maintained from May 14 to Nov. 14.
21795	Sister Islands Buoy 1	45-13-33.645N 087-09-07.666W				Green can.	
21797	YACHT WORKS MARINA WEST BREAKWATER LIGHT A	45-12-12.000N 087-07-16.200W	FI W 4s	22 7			Private aid.
21798	YACHT WORKS MARINA BREAKWATER LIGHT 1	45-12-08.460N 087-07-15.300W	FI G 2.5s	27 8			Private aid.
21799	YACHT WORKS MARINA BREAKWATER LIGHT 2	45-12-08.340N 087-07-13.740W	FI R 2.5s	31 9			Private aid.
21800	SISTER BAY MARINA LIGHT 1	45-11-54.000N 087-07-12.000W	FI G 4s	20 6		SG on post.	Private aid.
21802	SISTER BAY RESORT AND YACHT CLUB LIGHT	45-11-25.000N 087-07-24.000W	FI R 2s	5 2		On post.	Maintained from May 1 to Nov. 1. Private aid.
21805	<i>Horseshoe Reef Lighted Buoy 2</i> Marks southeast side of reef.	45-12-59.684N 087-11-54.137W	FI R 4s		4	Red.	Replaced by nun from Oct. 14 to May 1.
21810	Sister Shoals Buoy 3	45-11-57.188N 087-10-37.251W				Green can.	
21815	HORSESHOE ISLAND LIGHT 5	45-10-38.106N 087-12-42.510W	FI G 4s	33 10	4	SG on post.	
<b>Strawberry Channel</b>							
21820	- Northeast Buoy 4 Marks east side of shoal.	45-10-48.031N 087-14-55.633W				Red nun.	
21825	EAGLE BLUFF LIGHT	45-10-07.302N 087-14-12.132W	FI W 6s	75 23	6	Yellow square tower with brown roof attached to dwelling	Light is obscured from 220° to 030°.
21830	- <i>Southeast Lighted Bell Buoy 6</i>	45-09-02.877N 087-14-59.568W	FI R 4s		3	Red.	No winter mark from Oct. 14 to May 1.
21835	- <i>Mid-Channel Lighted Buoy S</i>	45-08-33.031N 087-16-22.033W	FI (2+1)R 6s		4	Red and green bands.	Replaced by nun from Oct. 14 to May 1.
21845	Hanover Shoal Buoy 2	45-08-33.620N 087-17-42.343W				Red nun.	Replaced by smaller nun from Oct. 14 to Apr. 1.
21850	Hat Island South Shoal Buoy HI	45-05-17.207N 087-19-23.916W				Black can with red band. Topmark spheres.	Maintained from Apr. 21 to Oct. 14.
<b>UPPER GREEN BAY</b>							
21851	EGG HARBOR LIGHT 1	45-02-57.225N 087-17-03.198W	FI G 4s				Private aid.
<b>Strawberry Channel</b>							
21855	<i>Anchorage Cove Lighted Buoy 1</i>	45-04-08.000N 087-16-54.000W	Q G			Green.	Maintained from May 1 to Oct. 30. Private aid.
21860	<i>Anchorage Cove Lighted Buoy 2</i>	45-04-06.000N 087-16-54.000W	Q R			Red.	Maintained from May 1 to Oct. 30. Private aid.
21865	Anchorage Cove Buoy 3	45-04-06.000N 087-16-54.000W				Green can.	Maintained from May 1 to Oct. 30. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>GREEN BAY</b>							
<b>UPPER GREEN BAY</b>							
<b>Strawberry Channel</b>							
21870	Anchorage Cove Buoy 4	45-04-06.000N 087-16-54.000W				Red nun.	Maintained from May 1 to Oct. 30. Private aid.
21875	LILLA HAMMAR LIGHT 1	45-03-58.200N 087-17-07.800W	F G	12 4		SG on post.	Maintained from Jun. 15 to Sep. 15. Private aid.
21880	LILLA HAMMAR LIGHT 2	45-03-58.200N 087-17-07.800W	F R	12 4		TR on post.	Maintained from Jun. 15 to Sep. 15. Private aid.
21885	LILLA HAMMAR ENTRANCE LIGHT	45-04-15.000N 087-16-50.000W	F W	9 3		On post.	Maintained from Jun. 15 to Sep. 15. Private aid.
21890	<i>Chambers Islands North Shoal Lighted Bell Buoy 1</i>	45-14-24.073N 087-19-48.338W	FI G 4s		4	Green.	Replaced by can from Nov 14 to Apr. 21.
21895	<b>Chambers Island Light</b>	45-12-07.350N 087-21-54.570W	FI W 6s	97 30	12	On skeleton tower. 60	
21900	<i>Chambers Island West Shoal Lighted Bell Buoy 3</i>	45-10-48.155N 087-24-23.519W	FI G 2.5s		4	Green.	Replaced by can from Nov 14 to Apr. 21. AIS MMSI: 993672243
<b>MENOMINEE AND MARINETTE HARBORS</b>							
<b>Menominee</b>							
21905	- MARINA BREAKWATER LIGHT 2	45-06-23.000N 087-36-00.000W	FI R 4s	40 12		TR on post.	Private aid.
21910	- Marina Breakwater Daybeacon 3	45-06-23.600N 087-36-03.700W				SG on post.	Private aid.
21915	- <i>Shoal Lighted Bell Buoy 2A</i>	45-06-19.878N 087-34-26.118W	FI R 4s		4	Red.	Replaced by nun from Nov. 14 to Apr. 21.
21920	- <i>Entrance Lighted Buoy 1</i> Marks shoal.	45-05-55.979N 087-34-34.018W	FI G 2.5s		4	Green can.	Replaced by can buoy from Nov 14 to Apr 21. AIS MMSI: 993672244
21925	- <i>Entrance Lighted Buoy 2</i> Marks shoal.	45-06-00.278N 087-34-40.818W	FI R 2.5s		4	Red nun.	Replaced by nun buoy from Nov 14 to Apr 21. AIS MMSI 993672245
21930	MARINETTE PIERHEAD LIGHT 3	45-05-47.040N 087-35-06.432W	FI G 4s	25 8	4	SG on post.	
21935	- PIERHEAD LIGHT 4	45-05-50.140N 087-35-09.734W	Oc R 4s	46 14	9		
21940	- <b>Pier Light 6</b>	45-05-46.960N 087-35-19.193W	FI R 6s	59 18	9	On red skeleton tower. 50	
21945	- River Buoy 2	45-06-00.726N 087-36-53.754W				Red nun.	Maintained from May 7 to Nov. 7.
21948	- River Buoy 2A	45-06-02.754N 087-37-00.642W				Red nun.	Maintained from May 7 to Nov 7.
21950	- River Buoy 4	45-06-04.380N 087-37-07.044W				Red nun.	Maintained from May 7 to Nov. 7.
21955	- River Buoy 6	45-06-04.530N 087-37-12.666W				Red nun.	Maintained from May 7 to Nov. 7.
21957	- River Buoy 7 Marks shoal.	45-06-04.921N 087-37-26.467W				Green can.	Maintained from May 7 to Nov. 7.
21960	Menekaunee Shoal Buoy 6	45-04-14.583N 087-34-02.615W				Red nun.	
<b>UPPER GREEN BAY</b>							
21965	<i>Green Island Shoal Lighted Buoy 1</i>	45-03-37.486N 087-31-30.714W	FI G 4s		4	Green.	Replaced by can from Nov. 14 to Apr. 28. Marks west side of shoal.
21970	GREEN ISLAND LIGHT	45-03-20.472N 087-29-30.510W	FI W 6s	80 24	9	NR on skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>GREEN BAY</b>							
<b>UPPER GREEN BAY</b>							
21975	Green Island Southeast Shoal Buoy 2	45-02-40.655N 087-28-51.489W				Red nun.	Maintained from Apr. 28 to Nov. 14. AIS MMSI: 993672246
21980	MARINETTE LITTLE RIVER LIGHT	45-02-42.000N 087-37-30.000W	FI Y 2.5s	28 9		NY on post.	Private aid.
<b>LOWER GREEN BAY (Chart 14910)</b>							
21985	Monument Shoal Buoy 5 Marks west side of shoal.	44-59-34.522N 087-22-56.565W				Green can.	
21990	PESHTIGO REEF LIGHT Marks southeast side of shoal.	44-57-23.940N 087-34-45.306W	FI W 6s	72 22	9	On white column with red band.	HORN: 1 blast ev 30s (3s bl). Operates by keying microphone five times on VHF-FM Ch. 83A.
21995	<i>Sherwood Point Lighted Buoy 7</i>	44-54-52.757N 087-27-42.905W	FI G 4s		4	Green.	Replaced by can from Nov. 14 to Apr. 21. AIS MMSI: 993682719
22000	<b>Sherwood Point Light</b>	44-53-34.030N 087-26-00.393W	Iso W 6s	61 19	12	62	
22005	Sherwood Point Traffic VAIS	44-53-34.342N 087-24-51.502W			1		AIS MMSI: 993672247
<b>Little Sturgeon</b> <i>Buoys maintained from May 15 to Oct. 15.</i>							
22012.1	- Buoy 1	44-50-36.600N 087-32-48.000W				Green can.	Private aid.
22012.2	- Buoy 2	44-50-38.000N 087-32-54.000W				Red nun.	Private aid.
22012.3	- Buoy 3	44-50-31.000N 087-33-02.000W				Green can.	Private aid.
22012.4	- Buoy 4	44-50-33.000N 087-33-04.000W				Red nun.	Private aid.
22012.5	- Buoy 5	44-50-30.000N 087-33-08.000W				Green can.	Private aid.
22012.6	- Buoy 6	44-50-32.000N 087-33-09.000W				Red nun.	Private aid.
22012.7	- Buoy 7	44-50-31.000N 087-33-15.000W				Green can.	Private aid.
22012.8	- Buoy 8	44-50-32.000N 087-33-16.000W				Red nun.	Private aid.
22012.9	- Buoy 9	44-50-33.000N 087-33-21.000W				Green can.	Private aid.
22013	- Buoy 10	44-50-35.000N 087-33-21.000W				Red nun.	Private aid.
22013.1	- Buoy 11	44-50-37.000N 087-33-27.000W				Green can.	Private aid.
22013.2	- Buoy 12	44-50-37.000N 087-33-26.000W				Red nun.	Private aid.
22013.5	CARMODY COUNTY PARK NAVIGATIONAL LIGHT	44-50-38.000N 087-33-29.900W	FI G 3s			On single pole.	Maintained from Apr. 1 to Sept. 30. Private aid.
22014	<i>Oconto Harbor Lighted Bell Buoy 2</i>	44-53-00.030N 087-46-00.033W	FI R 4s		4	Red.	Replaced by nun from Oct. 14 to May 01.
22015	OCONTO HARBOR NORTH PIERHEAD LIGHT 2	44-53-56.600N 088-49-17.800W	F R	40 12		TR on pile.	Maintained from Apr. 15 to Nov. 1. Private aid.
22020	OCONTO HARBOR SOUTH PIERHEAD LIGHT 3	44-53-53.490N 087-49-20.730W	FI G 6s	20 6	7	SG on post.	
22025	<i>Oconto River Lighted Buoy 4</i>	44-53-49.000N 087-49-32.000W	Q R			Red.	Maintained from Apr. 15 to Nov. 1. Private aid.
<b>LAKE MICHIGAN</b>							
<b>ALGOMA TO SHEBOYGAN (Chart 14903)</b>							
<b>Sheboygan</b>							
22030	<i>UWM GB Research Buoy</i>	44-48-07.350N 087-45-45.570W	FI Y 2.5s				Maintained from Apr. 1 to Nov. 30. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>GREEN BAY</b>							
<b>LOWER GREEN BAY (Chart 14910)</b>							
<b>Little Sturgeon</b>							
<i>Buoys maintained from May 15 to Oct. 15.</i>							
22035	PENSAUKEE HARBOR LIGHT	44-49-15.582N 087-53-47.418W	FI R 4s	16 5	7	TR on post.	
22040	<i>Pensaukee Harbor Entrance Lighted Buoy 2</i>	44-49-05.761N 087-53-11.227W	FI R 6s		3	Red.	Maintained from May 7 to Nov. 1. Buoy may be relocated without prior notice to mark the best channel.
<b>All Season's Marina</b>							
22050	BAY SHORE COUNTY PARK LIGHT	44-38-19.000N 087-45-15.000W	FI R 2s	15 5		On pile.	Maintained from May 7 to Nov. 1. Private aid.
22055	<i>Suamico Lighted Buoy 1</i>	44-38-01.623N 088-00-04.149W	FI G 4s		3	Green.	Maintained from May 7 to Nov. 1. Buoy may be relocated without prior notice to mark the best channel.
22055.2	<i>Suamico Lighted Buoy 2</i>	44-38-02.000N 088-00-07.000W	Q R			Red.	Maintained from May 1 to Oct. 31. Private aid.
22055.3	<i>Suamico Lighted Buoy 3</i>	44-37-56.000N 088-00-12.000W	Q G			Green.	Maintained from May 1 to Oct. 31. Private aid.
22055.4	<i>Suamico Lighted Buoy 4</i>	44-37-57.000N 088-00-11.000W	Q R			Red.	Maintained from May 1 to Oct. 31. Private aid.
22055.5	<i>Suamico Lighted Buoy 5</i>	44-37-52.000N 088-00-18.000W	Q G			Green.	Maintained from May 1 to Oct. 31. Private aid.
22055.6	<i>Suamico Lighted Buoy 6</i>	44-37-53.000N 088-00-19.000W	Q R			Red.	Maintained from May 1 to Oct. 31. Private aid.
22055.7	<i>Suamico Lighted Buoy 7</i>	44-37-48.000N 088-00-24.000W	Q G			Green.	Maintained from May 1 to Oct. 31. Private aid.
22065	<i>Suamico Lighted Buoy 9</i>	44-37-49.000N 088-00-28.000W	Q G			Green.	Maintained from May 1 to Oct. 31. Private aid.
22066	<i>Suamico Lighted Buoy 10</i>	44-37-50.000N 088-00-28.000W	Q R			Red.	Maintained from May 1 to Oct. 31. Private aid.
<b>LOWER GREEN BAY (Chart 14910)</b>							
22072	<i>Green Bay Lower Weather Buoy 1</i>	44-39-10.400N 087-55-30.200W	FI Y 4s				Maintained from May.1 to Oct.31. Private aid.
<b>Pirates Cove Marina</b>							
<i>Buoys maintained from May 1 to Oct. 15.</i>							
22075	- <i>Lighted Buoy 1</i>	44-35-25.551N 087-59-33.132W	FI G 2.5s			Green.	Private aid.
22080	- <i>Lighted Buoy 2</i>	44-35-26.739N 087-59-28.428W	FI R 2.5s			Red.	Private aid.
22085	- Buoy 3	44-35-57.952N 087-59-58.530W				Green can.	Private aid.
22090	- Buoy 4	44-35-59.610N 087-59-54.981W				Red nun.	Private aid.
22095	- Buoy 5	44-36-21.449N 088-00-16.259W				Green can.	Private aid.
22100	- Buoy 6	44-36-22.520N 088-00-12.134W				Red nun.	Private aid.
22100.1	- Buoy 7	44-36-43.125N 088-00-31.587W				Green can.	Private aid.
22100.2	- Buoy 8	44-36-46.200N 088-00-29.417W				Red nun.	Private aid.
22100.3	- Buoy 9	44-36-50.582N 088-00-40.824W				Green can.	Private aid.
22100.4	- Buoy 10	44-36-51.219N 088-00-40.761W				Red nun.	Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>GREEN BAY</b>							
<b>HEAD OF GREEN BAY (Chart 14918)</b>							
<b>Green Bay Harbor</b>							
<b>Green Bay Harbor Entrance Channel</b>							
<i>Lighted buoys maintained from Apr. 21 to Dec. 1, unless otherwise noted.</i>							
22105	- Lighted Buoy 1	44-40-36.730N 087-52-34.733W	FI G 2.5s		4	Green.	AIS MMSI: 993672229
22110	- Lighted Bell Buoy 2	44-40-39.067N 087-52-41.893W	FI R 2.5s		4	Red.	AIS MMSI: 993672230
22115	- Lighted Buoy 3	44-39-53.434N 087-53-14.944W	FI G 4s		4	Green.	
22120	- Lighted Buoy 4	44-39-55.104N 087-53-22.121W	FI R 4s		4	Red.	
22125	- Lighted Buoy 5	44-39-07.905N 087-53-56.498W	FI G 6s		4	Green.	AIS MMSI: 993672248
22130	<b>Green Bay Harbor Entrance Light</b>	44-39-11.164N 087-54-04.571W	Oc R 4s	72 22	12	White conical tower on cylindrical base. 72	HORN: 1 blast ev 15s (2s bl). Operate the fog signal by keying the VHF-FM marine radio five times on channel 83A.
22135	- Lighted Buoy 7	44-38-16.592N 087-54-43.438W	FI G 2.5s		4	Green.	
22140	- Lighted Buoy 8	44-38-19.576N 087-54-50.560W	FI R 2.5s		4	Red.	
22145	- Lighted Buoy 9	44-37-22.445N 087-55-32.924W	FI G 4s		4	Green.	Replaced by can from 01 Dec to 21 Apr. AIS MMSI 993672231
22150	- Lighted Buoy 10	44-37-24.697N 087-55-41.552W	FI R 4s		4	Red.	Replaced by nun from Dec. 1 to Apr. 21. AIS MMSI: 993672232
22155	- Lighted Bell Buoy 11	44-36-31.525N 087-56-20.632W	FI G 4s		4	Green.	
22160	- Lighted Buoy 12	44-36-34.215N 087-56-26.429W	FI R 4s		4	Red.	
22165	- LIGHT 14	44-35-49.503N 087-57-08.815W	Q R	40 12	6	White cylindrical tower with red band.	
22170	- Lighted Buoy 15	44-35-34.504N 087-57-13.002W	FI G 2.5s		4	Green.	Replaced by can from Dec. 1 to Apr. 28.
22175	- Lighted Bell Buoy 16	44-35-31.454N 087-57-31.763W	FI R 4s		4	Red.	Replaced by nun from Dec. 1 to Apr. 28.
22180	- RANGE FRONT LIGHT	44-35-22.709N 087-57-27.770W	Q G	45 14		KRW on cylindrical tower.	Visible 5.5° each side of range line.
22181	- RANGE FRONT PASSING LIGHT	44-35-22.700N 087-57-27.395W	FI Y 4s	45 14	5	On same structure as Green Bay Harbor Entrance Channel Range Front Light.	Above Range Front Light.
22185	- RANGE REAR LIGHT	44-34-37.232N 087-58-09.294W	Oc G 4s	92 28		KRW on white cylindrical tower.	Visible 4° each side of range line.
22186	- RANGE REAR PASSING LIGHT	44-34-37.208N 087-58-09.381W	FI Y 4s	20 6	5	On same structure as Green Bay Harbor Entrance Channel Range Rear Light	Below Range Rear Light.
22188	- Lighted Buoy 15A	44-35-09.882N 087-58-06.527W	FI G 4s		4	Green.	Replaced by can from Dec. 1 to Apr. 28
22189	- Lighted Buoy 16A	44-35-14.022N 087-58-10.190W	FI R 4s		4	Green.	Replaced by can from Dec. 1 to Apr. 28
22200	- Lighted Buoy 17	44-34-55.432N 087-58-37.050W	Q G		4	Green.	Replaced by can from Dec 1 to Apr 28.
22205	- LIGHT 18	44-34-56.051N 087-58-50.531W	FI R 2.5s	35 11	7	White cylindrical tower with red band.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>GREEN BAY</b>							
<b>HEAD OF GREEN BAY (Chart 14918)</b>							
<b>Green Bay Harbor</b>							
<b>Green Bay Harbor Entrance Channel</b>							
<i>Lighted buoys maintained from Apr. 21 to Dec. 1, unless otherwise noted.</i>							
22210	- Lighted Buoy 19	44-34-42.804N 087-58-53.405W	FI G 4s		4	Green.	Replaced by can from Dec. 1 to Apr. 28.
22215	- INNER RANGE FRONT LIGHT	44-34-48.547N 087-58-59.837W	Q G	31 9		KRW on cylindrical tower.	Visible 14° each side of range line.
22216	- INNER RANGE FRONT PASSING LIGHT	44-34-48.530N 087-58-59.894W	FI Y 4s	30 9	5	On same structure as Green Bay Harbor Entrance Channel Inner Range Front Light.	Above Inner Range Front Light.
22220	- INNER RANGE REAR LIGHT 2,498 feet, 237.5° from front light.	44-34-35.300N 087-59-28.953W	Iso G 6s	50 15		KRW on white cylindrical tower.	Visible 14° each side of range line.
22221	- INNER RANGE REAR PASSING LIGHT	44-34-35.240N 087-59-28.980W	FI Y 4s	50 15	5	On same structure as Green Bay Harbor Entrance Channel Inner Range Rear Light.	Above Inner Range Rear Light.
22225	- Lighted Buoy 22	44-34-30.312N 087-59-08.564W	FI R 2.5s		4	Red.	Replaced by nun from Dec. 1 to Apr. 28.
22230	- Lighted Buoy 21	44-34-29.099N 087-59-04.749W	FI G 2.5s		4	Green.	Replaced by can from Dec. 1 to Apr. 28.
22235	- Lighted Buoy 24	44-34-02.067N 087-59-25.436W	FI R 4s		4	Red.	Replaced by nun from Dec. 1 to Apr. 28.
22240	- Lighted Buoy 23	44-34-01.047N 087-59-21.738W	FI G 4s		4	Green.	Replaced by can from Dec. 1 to Apr. 28.
22245	- LIGHT 25	44-33-31.679N 087-59-38.299W	FI G 2.5s	28 9	7	SG on post.	
22255	- Lighted Buoy 27	44-32-56.771N 087-59-57.515W	FI G 4s		4	Green.	Replaced by can from Dec. 1 to Apr. 28.
22260	- Lighted Buoy 28	44-32-58.208N 088-00-01.408W	FI R 4s		4	Red.	Replaced by nun from Dec. 1 to Apr. 28.
22265	- Lighted Buoy 30	44-32-22.203N 088-00-19.407W	FI R 2.5s		4	Red.	Maintained from Apr. 28 to Dec. 1.
<b>Green Bay Harbor</b>							
22270	- DISPOSAL LIGHT	44-32-21.000N 088-00-13.000W	Q W	8 2		On dolphin.	Maintained from Apr. 15 to Nov. 15. Private aid.
<b>South Bay Marina</b>							
<i>Lights maintained from Apr. 1 to Nov. 30.</i>							
22271	- EAST BREAKWATER LIGHT	44-32-24.100N 087-59-58.000W	FI W 6s	11 3		On pile.	Private aid.
22271.1	- EAST MIDDLE BREAKWATER LIGHT	44-32-24.100N 088-00-04.000W	FI W 6s	11 3		On pile.	Private aid.
22271.2	- WEST MIDDLE BREAKWATER LIGHT	44-32-24.100N 088-00-08.000W	FI W 6s	11 3		On pile.	Private aid.
22271.3	- WEST BREAKWATER LIGHT	44-32-22.000N 088-00-11.000W	FI W 6s	11 3		On pile.	Private aid.
<b>Green Bay Harbor</b>							
22272	SOUTH BAY MARINA ENTRANCE LIGHT 1	44-32-20.800N 088-00-11.500W	F G	11 3		SG on pile.	Private aid.
22273	SOUTH BAY MARINA ENTRANCE LIGHT 2	44-32-20.000N 088-00-11.500W	F R	11 3		TR on pile.	Private aid.
<b>LAKE MICHIGAN</b>							
<b>LAKE MICHIGAN (Chart 14901)</b>							
22276.1	GREEN BAY MARINA SOUTH LT 1	44-30-38.110N 088-01-18.690W	FI Y 4s			Pile	Maintained year round. Private aid.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>LAKE MICHIGAN</b>							
<b>LAKE MICHIGAN (Chart 14901)</b>							
22276.2	GREEN BAY MARINA SOUTH LT 2	44-30-40.050N 088-01-17.870W	Fl Y 2.5s			Steel Pole	Maintained year round. Private aid.
22276.3	GREEN BAY SOUTH FISHING PIER A	44-30-42.500N 088-01-16.830W	Fl W 4s			Steel Pole	Maintained year round. Private aid.
22276.4	GREEN BAY SOUTH FISHING PIER B	44-30-42.810N 088-01-16.370W	Fl W 2.5s			Steel Pole	Maintained year round. Private aid.
<b>LOWER FOX RIVER AND LAKE WINNEBAGO</b>							
<b>LOWER FOX RIVER (Chart 14916)</b>							
<b>Green Bay City</b>							
<i>Due to silting, all buoys in the Fox River and Lake Winnebago may be relocated without prior notice to mark the best channel.</i>							
<i>Buoys maintained from May 14 to Oct. 14.</i>							
22280	- Buoy 2	44-30-07.170N 088-01-27.832W				Red nun.	
22285	- Buoy 4	44-29-28.209N 088-01-38.865W				Red nun.	
22290	- Buoy 6	44-29-22.401N 088-01-44.601W				Red nun.	
22295	- Buoy 7	44-29-14.431N 088-01-52.045W				Green can.	
22300	- Buoy 8	44-29-15.519N 088-01-53.464W				Red nun.	
22305	- Buoy 10	44-29-08.784N 088-02-05.818W				Red nun.	
22310	- Buoy 12	44-29-00.719N 088-02-20.611W				Red nun.	
22315	- Buoy 13	44-28-51.141N 088-02-34.583W				Green can.	
22320	- Buoy 14	44-28-51.716N 088-02-36.006W				Red nun.	
22323	- Buoy 16	44-28-42.340N 088-02-44.168W				Red nun.	
22325	- Buoy 18	44-28-15.636N 088-03-03.201W				Red nun.	
22330	- Buoy 19	44-27-57.916N 088-03-13.349W				Green can.	
22335	- Buoy 20	44-27-59.064N 088-03-16.173W				Red nun.	
22345	- Buoy 22	44-27-40.610N 088-03-32.869W				Red nun.	
22350	- Buoy 24	44-27-27.176N 088-03-47.648W				Red nun.	
22355	- Buoy 26	44-27-13.341N 088-04-01.546W				Red nun.	
22360	- Buoy 27	44-27-11.881N 088-03-59.432W				Green can.	
22400	BROTHERTOWN MARINA ENTRANCE LIGHT 1	43-57-59.000N 088-19-11.000W	Fl G 6s	15 5			Private aid.

# INDEX

## A

Above Fighting Island . . . . .	8115
Algoma . . . . .	20975
Algoma Light . . . . .	20975
All Season's Marina . . . . .	22050
Allouez Bay . . . . .	15630
Alpena . . . . .	11355
Alpena Light . . . . .	11370
American Canal . . . . .	14195
Amherstburg Channel . . . . .	6965
Angus Island Light (C) . . . . .	16895
Ashland Harbor . . . . .	15310
Ashtabula Harbor . . . . .	3745
Au Gres Harbor . . . . .	11140
Au Sable . . . . .	11310
Au Sable Light . . . . .	14565
Avon Lake . . . . .	4270

## B

Baileys Harbor . . . . .	21228
Ballards Reef Channel . . . . .	7150
Bar Point Pier Light D33 (C) . . . . .	6995
Barkers Island Marina . . . . .	15710
Battle Island Light (C) . . . . .	16870
Baudette Harbor . . . . .	17095
Bay Furnace Light . . . . .	14600
Bay Point . . . . .	5170
Bay Point State Park Hazard . . . . .	5215
Bayfield Channel . . . . .	14160
Beaver Creek . . . . .	4410
Beaver Creek Water Tower Light . . . . .	4429
Beaver Island State Park . . . . .	3055
Belle Isle North Channel . . . . .	8330
Belle Maer Marina . . . . .	9070
Belvedere Club Dock . . . . .	17970
Big Bay De Noc . . . . .	21590
Big Bay Point Light . . . . .	14705
Black Creek . . . . .	8930
Black River Bay . . . . .	1850
Black Rock Canal . . . . .	2785
Blake Point Light . . . . .	16820
Bolles Harbor . . . . .	6490
Bouvier Bridge Marina Channel . . . . .	9259
Braddock Bay . . . . .	2343.1
Braddock Point Light . . . . .	2350
Brockville Breakwater Light (C) . . . . .	1040
Brule Narrows . . . . .	17310
Buckhorn Island . . . . .	3305
Buffalo Harbor . . . . .	2665
Buffalo Harbor Light . . . . .	2680
Buffalo Harbor South Entrance . . . . .	2905
Buffalo Outer Harbor . . . . .	2975
Buffalo River . . . . .	2725
Buffington Harbor . . . . .	19630
Burns Harbor . . . . .	19575
Burt Lake . . . . .	12095

## C

Calcite . . . . .	11610
Calumet . . . . .	19740
Calumet Harbor Breakwater South End Light . . . . .	19800

Cana Island Light . . . . .	21255
Canoe Channel . . . . .	17195
Caribou Island Light (C) . . . . .	16845
Caseville Harbor . . . . .	10345
Cattaraugus Creek . . . . .	3375
Cedar Point Marina . . . . .	4765
Cedarville East Channel . . . . .	12280
Cedarville West Channel . . . . .	12505
Celeron Island . . . . .	7701
Chambers Island Light . . . . .	21895
Charlevoix . . . . .	17919
Charlevoix Floating Breakwall . . . . .	17990
Charlevoix North Pierhead Light . . . . .	17920
Charlevoix South Pierhead Light . . . . .	17925
Chaumont Bay . . . . .	1780
Chaumont Shoal . . . . .	1810
Cheboygan . . . . .	11776
Cheboygan River . . . . .	11806
Cheboygan River Light 4 . . . . .	11800
Chequamegon Bay . . . . .	15300
Chicago Harbor . . . . .	19960
Chicago Harbor Light . . . . .	19960
Chicago North Side (Chart 14928) . . . . .	19926
Chippawa Channel . . . . .	3335
Clayton Marina . . . . .	1517
Cleveland Harbor . . . . .	4060
Cleveland Harbor Main Entrance Light . . . . .	4160
Cleveland Harbor West Basin Channel . . . . .	4200
Clinton River . . . . .	8975
Clinton River Boat Club . . . . .	9495
Coles Creek Channel . . . . .	435
Conneaut Harbor . . . . .	3700
Conneaut Harbor West Breakwater Light . . . . .	3705
Conservation Club Channel . . . . .	18925
Constellation Nuclear Security Zone . . . . .	2060
Consumer Power Company . . . . .	18585
Cooley Canal . . . . .	5863
Copper Harbor Light . . . . .	15175
Cove Island Light (C) . . . . .	12675
Crescent Sail Yacht Club . . . . .	8725
Crooked Lake . . . . .	12120
Crow Island Leading Light . . . . .	12220
Cuyahoga River . . . . .	4240
	19648

## D

De Tour Passage . . . . .	12815
De Tour Reef Light . . . . .	12770
Detroit Harbor . . . . .	21348
Detroit Island Passage . . . . .	21340
Detroit River Light . . . . .	6885
Devils Island Light . . . . .	15565
Disposal Area . . . . .	6245
Donald S. Cook Nuclear Security Zone . . . . .	19534
Drummond Island - South Side . . . . .	12765
Drummond Island Shoal Yacht Haven Channel . . . . .	12725
Duluth Harbor . . . . .	15840
Duluth Harbor North Pier Light . . . . .	15855
Duluth Harbor South Breakwater Inner Light . . . . .	15860

Duluth Harbor South Breakwater Outer Light . . . . .	15845
Dunkirk Harbor . . . . .	3410
Dunkirk Light . . . . .	3410

## E

Eagle Creek Marina . . . . .	2360
Eagle Harbor Light . . . . .	15195
East Alpena Channel . . . . .	11386
East Harbor Smallboat Concourse . . . . .	5325
East Neebish Island Channel . . . . .	13760
East Outer Channel . . . . .	6920
East Outer Channel . . . . .	6885
East Outer Channel Light 1E . . . . .	6895
East Side . . . . .	10093
Ecorse Channel . . . . .	8090
Elk Rapids . . . . .	18155
Erie Harbor . . . . .	3495
Erie Proving Ground . . . . .	5780
Erie Yacht Club . . . . .	3660
Evanston . . . . .	20185

## F

Fairport Harbor . . . . .	3835
Fairport Harbor West Breakwater Light . . . . .	3870
False Ducks Light (C) . . . . .	2615
Fighting Island Channel . . . . .	7735
Fleming Channel . . . . .	8210
Ford Park Channel . . . . .	17875
Ford Yacht Club . . . . .	7468
Fort Gratiot Light . . . . .	10015
Fort Niagara Light 5 . . . . .	2485
Forty-Mile Point Light . . . . .	11715
Four Mile Bay . . . . .	17073
Fourteen Foot Shoal Light . . . . .	11765
Frankfort . . . . .	18375
Frankfort North Breakwater Light . . . . .	18375

## G

Gary . . . . .	19605
Gem Beach . . . . .	5495
Gibraltar North Channel . . . . .	7715
Gibraltar South Harbor Channel . . . . .	7655
Gibraltar Middle Channel . . . . .	7705
Gladstone . . . . .	21695
Goderich (Main) Light (C) . . . . .	12660
Golden State Park Entrance . . . . .	2358
Gordon Park . . . . .	4040
Grand Haven . . . . .	18965
Grand Haven South Pierhead Entrance Light . . . . .	18965
Grand Marais . . . . .	16615
Grand Marais Harbor Of Refuge Inner Light . . . . .	14560
Grand Marais Harbor Of Refuge Outer Light . . . . .	14550
Grand Marais Light . . . . .	16615
Grand River . . . . .	18995
Grand Traverse Bay . . . . .	18105

# INDEX

Grand Traverse Light . . . . .	18110
Granite Island Light . . . . .	14700
Gravelly Shoal Light . . . . .	10540
Grays Reef Light . . . . .	17775
Grays Reef Passage Channel . .	17765
Great Duck Island Light (C) . .	12685
Great Lakes . . . . .	20282
Great Lakes Marina Entrance . .	18785
Green Bay City . . . . .	22280
Green Bay Harbor . . . . .	22270
Green Bay Harbor Entrance Channel . . . . .	22105
Green Bay Harbor Entrance Light . . . . .	22130
Grindstone Channel . . . . .	10215
Gros Cap Reefs Light (C) . . . .	14495
Grosse Point . . . . .	8665

## H

Hammond Marina . . . . .	19745
Harbor Beach . . . . .	10130
Harbor Beach South Pier Light 1 . . . . .	10140
Harbor Club North Entrance . . .	8971
Harbor Cove Marina . . . . .	15885
Harbor Development Channel . .	4815
Harbor Springs . . . . .	17855
Harborage Marina . . . . .	18070
Harrison Marina . . . . .	6038
Harrisville . . . . .	11323
Hartshorn Municipal Marina . . .	18881
Haters Dock . . . . .	18050
Hearing Island Channel . . . . .	15995
Henderson Bay . . . . .	1940
Henderson Harbor Special Anchorage . . . . .	1955
Hickory Island Channel . . . . .	7455
Holland Harbor . . . . .	19280
Holland Harbor South Pierhead Light . . . . .	19295
Huron Harbor . . . . .	4475
Huron Harbor Light . . . . .	4475
Huron Island Light . . . . .	14730

## I

ISLE ROYAL (Chart 14967) . . . .	16705
Ile Aux Galets Light . . . . .	17795
Ile Parisienne Light (C) . . . . .	14510
Indian Country Sports Light . . .	14763
Indian River . . . . .	11920
Indiana Harbor . . . . .	19660
Indiana Harbor East Breakwater Light . . . . .	19675
Inner Light (C) . . . . .	6765
Irondequoit Bay . . . . .	2280
Island Cove Marina . . . . .	9038
Isle Royale . . . . .	16655

## K

Kabetogama Lake . . . . .	17540
Kalamazoo River . . . . .	19455

Kenosha . . . . .	20415
Kenosha Light . . . . .	20415
Kettle Channel . . . . .	17425
Kewaunee . . . . .	20950
Kewaunee Pierhead Light . . . .	20955
Keweenaw Upper Entrance Light . . . . .	15120
Keweenaw Upper Entrance . . . .	15105
Keweenaw Waterway . . . . .	14765
Knife River Harbor . . . . .	16495

## L

Lafarge Corporation Channel . . .	11420
Lake Erie Metropark Boat Launch . . . . .	7651
Lake Front Marina . . . . .	5900
Lake George Channel . . . . .	13820
Lake Huron Cut . . . . .	10035
Lake Macatawa . . . . .	19305
Lake Nicolet . . . . .	13355
Lake St. Clair . . . . .	8400
Lake St. Lawrence Yacht Club Channel . . . . .	336.1
Lakeshore Yacht Club Channel . .	18820
Lansing Shoals Light . . . . .	21535
Les Cheneaux Islands Middle Entrance . . . . .	12325
Les Cheneaux Islands West Entrance . . . . .	12375
Lexington Harbor . . . . .	10095
Light (C) . . . . .	6835
Light D77 (C) . . . . .	7200
Lighthouse County Park . . . . .	10211
Lime Island . . . . .	12907
Limekiln Crossing Reach Channel . . . . .	7120
Little Bay De Noc . . . . .	21630
Little Rapids Channel . . . . .	14065
Little Rapids Cut . . . . .	14045
Little Sturgeon . . . . .	22012.1
Livingstone Channel . . . . .	7240
Livingstone Channel Upper Entrance Light (C) . . . . .	7195
Long Point Light (C) . . . . .	6785
Lorain Harbor . . . . .	4320
Lorain Harbor Light . . . . .	4320
Lower River . . . . .	12850
Ludington . . . . .	18530
Lyman Harbor . . . . .	4945

## M

Mackinac Bay Passage . . . . .	12410
Mackinaw Bridge . . . . .	12625
Macray East Harbor Entrance . .	9100
Macray West Harbor Entrance . .	7947
Main Duck Island Light (C) . . .	2585
Malone Bay . . . . .	16715
Manistee . . . . .	18450
Manistee Lake . . . . .	18480
Manistee North Pierhead Light .	18450
Manistique . . . . .	21470
Manitou Light . . . . .	15170
Manitowoc . . . . .	20842
Manitowoc Breakwater Light . . .	20860
Manitowoc Harbor of Refuge . . .	20870

Manning Light . . . . .	18366
Marblehead Light . . . . .	5250
Marine City . . . . .	9785
Marine City Channel . . . . .	9795
Marquette Breakwater Outer Light . . . . .	14635
Marquette Light . . . . .	14630
Martin Reef Light . . . . .	12205
Maumee Bay . . . . .	6027.1
Maumee Bay Entrance Light 2 . .	6050
Maumee River . . . . .	6295
McGulpin Point Lighthouse . . . .	12651
Mendota Light . . . . .	15151
Menominee . . . . .	21905
Menominee Pier Light 6 . . . . .	21940
Mentor Harbor . . . . .	3910
Metro Park Marina . . . . .	7390
MicKinley Marina . . . . .	20755
Michigan City . . . . .	19544
Michigan City East Pierhead Light . . . . .	19545
Michigan Island Light . . . . .	15275
Michipicoten Harbor Light (C) . .	16855
Middle Channel Entrance . . . . .	9435
Middle Island Light . . . . .	11515
Middle Neebish Channel . . . . .	13260
Milk River Channel . . . . .	8785
Miller Channel . . . . .	5720
Milwaukee . . . . .	20635
Milwaukee Breakwater Light . . .	20635
Minneapolis Shoal Light . . . . .	21610
Minnesota Channel (Eastern Section) . . . . .	16195
Minnesota Channel (Western Section) . . . . .	16255
Monroe Harbor . . . . .	6560
Moseley Channel . . . . .	4570
Muddy Creek . . . . .	4465
Mullett Lake . . . . .	11890
Munuscong Channel (Upbound) . .	13015
Munuscong Channel . . . . .	13170
Munuscong Lake . . . . .	12995
Muscallonge Bay . . . . .	12480
Muskegon . . . . .	18705

## N

Namakan Lake . . . . .	17450
National Gypsum Company . . . .	11190
Navy Point . . . . .	1855
New Buffalo . . . . .	19535
Niagara River (Below the Falls) . . . . .	2505
Niagara River . . . . .	3235
Nine Mile Point Light (C) . . . .	2565
North Bass Island . . . . .	5620
North Channel Entrance . . . . .	9305
North End of Lake Huron . . . . .	12205
North Manitou Shoal Light . . . .	18340
Northerly Island Danger Zone . .	19955
Northpoint Marina . . . . .	20386

## O

Oak Orchard . . . . .	2365
Offshore Marine . . . . .	10165

# INDEX

## R

Ogdensburg Harbor . . . . .	985
Old Round Island Point Light . . . . .	12585
Oswego Harbor . . . . .	2065
Oswego Harbor West Pierhead Light . . . . .	2080
Outer Island Light . . . . .	15255
Outer Light (C) . . . . .	2535

## P

Palisades Nuclear Security Zone . . . . .	19511
Passage Island Light . . . . .	16835
Pelee Passage . . . . .	6795
Pentwater . . . . .	18620
Pere Marquette Lake . . . . .	18565
Perry Memorial Monument Light . . . . .	5670
Petoskey . . . . .	17915
Pier 75 Detached Breakwater . . . . .	6370
Pilot Island Light . . . . .	21325
Pinconning Park . . . . .	11111
Pipe Island . . . . .	12875
Pipe Island Light . . . . .	12875
Pirates Cove Marina . . . . .	22075
Point Aux Barques Light . . . . .	10210
Point Aux Frenes . . . . .	12960
Point Betsie Light . . . . .	18370
Point Clark Light (C) . . . . .	12670
Point Iroquois . . . . .	14465
Point Mouillee . . . . .	7370
Point Parphyry Light (C) . . . . .	16885
Point Petre Light (C) . . . . .	2635
Pointe Aux Pins Channel . . . . .	14325
Port Austin . . . . .	10275
Port Bay . . . . .	2145
Port Clinton . . . . .	5282
Port Clinton Light 2 . . . . .	5865
Port Colborne . . . . .	4163
Port Inland . . . . .	21500
Port Ontario . . . . .	2025
Port Sanilac . . . . .	10115
Port Sanilac Light . . . . .	10115
Port Sheldon . . . . .	19270
Port Superior Marina . . . . .	15470
Port Washington . . . . .	20770
Port Weller . . . . .	2535
Portage Lake . . . . .	18415
Porte Des Morts Passage . . . . .	21300
Potagannissing Bay . . . . .	12690
Prairie Harbor . . . . .	20412
Presque Isle Harbor Breakwater Light . . . . .	14670
Presque Isle Harbor . . . . .	11550
Presque Isle Harbor Marina . . . . .	11574
Presque Isle Light . . . . .	11550
Presque Isle Light . . . . .	3690
Presque Isle Park . . . . .	3615
Pultneyville Entrance . . . . .	2220
Put-In-Bay . . . . .	5673
Put-In-Bay Anchorage . . . . .	5754

## Q

Quanicassee River . . . . .	10490
-----------------------------	-------

R. E. Ginna Nuclear Security Zone . . . . .	2271
Racine . . . . .	20470
Racine East Harbor Entrance Light 2 . . . . .	20490
Racine Reef Light . . . . .	20480
Rainy Lake . . . . .	17395
Rawley Point Light . . . . .	20935
Red Cliff . . . . .	15530
Rices Point Boatslip . . . . .	15960
Riverside Store . . . . .	9610
Rochester Harbor . . . . .	2320
Rochester Harbor Light . . . . .	2320
Rock Cut Lower Leading Light . . . . .	13600
Rock Harbor . . . . .	16750
Rock Island Passage . . . . .	21423
Rock Of Ages Light . . . . .	16655
Rogers City . . . . .	11660
Round Island . . . . .	14420
Round Island Passage . . . . .	12540
Round Island Passage Light . . . . .	12580
Rowley Bay . . . . .	21273

## S

Saginaw Bay Channel . . . . .	10550
Saginaw Bay Channel Light 1 . . . . .	10570
Saginaw River . . . . .	10755
Sailors Encampment Channel . . . . .	13100
Sandusky Bay Channel . . . . .	4990
Sandusky Bay Exit Channel . . . . .	4710
Sandusky Dock Channel . . . . .	4675
Sandusky Harbor . . . . .	4550
Sandusky Harbor Breakwater Light . . . . .	4560
Sandusky River . . . . .	5090
Sandusky Straight Channel . . . . .	4625
Sandy Creek . . . . .	6681
Sassy Marine . . . . .	9405
Saugatuck . . . . .	19445
Scott Middle Ground . . . . .	8280
Selfridge Field . . . . .	9140
Selfridge Launch Facility . . . . .	9162
Seul Choix Point Light . . . . .	21490
Sheboygan . . . . .	20805
Sherwood Point Light . . . . .	22000
Shipyard Island Marina . . . . .	21390
Silver Bay . . . . .	16550
Siskiwit Bay Passage . . . . .	16690
Slate Islands Light (C) . . . . .	16865
Sodus Bay . . . . .	2168
Sodus Outer Light . . . . .	2170
South Bass Island Light . . . . .	5530
South Bay Marina . . . . .	22271
South Channel . . . . .	9680
South Haven . . . . .	19505
South Haven South Pierhead Light . . . . .	19505
South Manitou Island Lighthouse . . . . .	18357
Southeast Shoal Light (C) . . . . .	6795
Spectacle Reef Light . . . . .	11730
St. Clair Cut-Off Channel . . . . .	8590
St. Clair Flats Canal . . . . .	9570
St. Clair Flats Old Channel . . . . .	9530
St. Clair Municipal Park Entrance . . . . .	8905
St. Clair River . . . . .	9755
St. James Harbor . . . . .	17815

St. James Light . . . . .	17845
St. Joseph . . . . .	19515
St. Joseph North Pier Inner Light . . . . .	19520
St. Joseph North Pierhead Light . . . . .	19515
St. Lawrence Seaway . . . . .	5
St. Lawrence Seaway . . . . .	1225
St. Louis Bay Cross Channel . . . . .	16090
St. Louis Bay North Channel (Western Section) . . . . .	16023
St. Louis Bay South Channel (Eastern Section) . . . . .	16065
St. Louis Bay South Channel (Western Section) . . . . .	16120
St. Louis River . . . . .	16491
St. Louis River Upper Channel . . . . .	16175
St. Martin Island Light . . . . .	21450
Stafford County Park . . . . .	10202.1
Stannard Rock Light . . . . .	14725
Sterling State Park . . . . .	6615
Stony Creek Bay . . . . .	2019
Stony Creek Channel . . . . .	6635
Strawberry Channel . . . . .	21820
Strawberry Creek Channel Entrance . . . . .	21075
Strawberry Island Cut . . . . .	2985
Sturgeon Bay Ship Canal . . . . .	20995
Sturgeon Bay Ship Canal Light . . . . .	20995
Sturgeon Bay Ship Channel Entrance Leading Light . . . . .	21205
Sturgeon Bay Ship Channel . . . . .	21105
Sugar Island Leading Light . . . . .	14040
Sugar Island North Channel . . . . .	13905
Superior Entry . . . . .	15595
Superior Entry South Breakwater Light . . . . .	15595
Superior Front Channel . . . . .	15690
Superior Harbor Basin . . . . .	15660
Suttons Bay . . . . .	18190
Swan Creek Entrance . . . . .	6720
Sweets Point Light 13 . . . . .	12905

## T

Taconite Harbor . . . . .	16585
Tawas . . . . .	11240
Tawas Light . . . . .	11240
Thirtymile Point Light . . . . .	2395
Thunder Bay (Main) Light (C) . . . . .	16915
Thunder Bay . . . . .	16905
Thunder Bay Island Light . . . . .	11495
Thunder Bay National Marine Sanctuary . . . . .	11348
Tibbetts Point Light . . . . .	1735
Toledo Beach Marina . . . . .	6460
Toledo Harbor Light . . . . .	6030
Tonawanda Channel . . . . .	3140
Torch Lake Canal . . . . .	14905
Traverse City . . . . .	18270
Trenton Channel . . . . .	7950
Trowbridge Island Light (C) . . . . .	16890
Turtle Creek . . . . .	5996
Two Harbors . . . . .	16500
Two Harbors East Breakwater Light . . . . .	16505
Two Harbors Light . . . . .	16500
Two Rivers . . . . .	20925

# INDEX

## V

Vermilion . . . . .	4430
Vidal Shoals . . . . .	14305
Vidal Shoals Channel . . . . .	14230

## W

Wagener County Park . . . . .	10126
Walpole Island Light (C) . . . . .	9720
Walpole Island Lower Light A32 (C) . . . . .	9730
Waukegan . . . . .	20305
Waukegan Harbor Light . . . . .	20315
Wawatam Lighthouse . . . . .	12608
West Arm . . . . .	18240
West End Sandusky Bay . . . . .	4970
West Harbor . . . . .	5380
West Neebish Channel (Downbound) . . . . .	13470
West Outer Channel . . . . .	7325
Whiskey Island Marina . . . . .	4190
White Lake . . . . .	18650
White Shoal Light . . . . .	17750
Whitefish Point Light . . . . .	14530
Whitney Bay . . . . .	12780
Wild Wings Marina . . . . .	5955
Wildwood Park . . . . .	3975
William Livingstone Memorial Light . . . . .	8240
Wilmette Harbor . . . . .	20225
Wilson Harbor . . . . .	2400
Wilson Hill Small Boat Channel . . . . .	351
Wind Point Light . . . . .	20605
Windmill Point Light . . . . .	8260
Wolfe Island Cut . . . . .	1575
Wolfe Island Light (C) . . . . .	1605
Wyandotte Channel . . . . .	7835

## Z

Zion Intake . . . . .	20355
Zipple Bay . . . . .	17035

**CROSS REFERENCE - INTERNATIONAL VS. U.S. LIGHT NUMBER**

Inter.	-	U.S.	Inter.	-	U.S.	Inter.	-	U.S.	Inter.	-	U.S.
H2601.00		10	H2681.00		535	H2783.00		1310			
H2601.40		20	H2682.00		580	H2784.00		1320			
H2604.00		65	H2682.10		585	H2785.00		1325			
H2606.00		70	H2692.00		595	H2786.00		1335			
H2608.00		75	H2693.00		600	H2787.00		1340			
H2616.00		105	H2693.10		605	H2788.00		1345			
H2616.20		110	H2706.00		705	H2789.00		1360			
H2616.40		115	H2706.10		710	H2790		1365			
H2620.00		130	H2707.00		725	H2791.00		1370			
H2623.00		145	H2707.10		730	H2791.40		1375			
H2624.00		150	H2709.00		745	H2792.00		1380			
H2626.00		160	H2709.40		810	H2793.00		1390			
H2626.20		165	H2709.41		815	H2794.00		1400			
H2628.00		170	H2710.00		765	H2795.00		1405			
H2629.00		175	H2710.40		770	H2796.00		1410			
H2630.00		180	H2712.00		780	H2797.00		1420			
H2631.00		185	H2716.00		820	H2798.00		1425			
H2631.20		190	H2718.00		840	H2800.00		1430			
H2634.00		210	H2720.00		870	H2801.00		1445			
H2638.00		225	H2720.10		875	H2804.00		1465			
H2642.00		245	H2721.00		880	H2805.00		1470			
H2643.00		250	H2721.10		885	H2807.00		1505			
H2644.00		255	H2723.00		910	H2808.00		1515			
H2645.00		260	H2723.4		955	H2812.00		1550			
H2646.00		265	H2725.00		895	H2813.00		1560			
H2648.00		270	H2742.00		1040	H2816.00		1570			
H2649.00		275	H2744.00		1045	H2818.00		1605			
H2653.00		290	H2746.00		1065	H2820.00		1610			
H2661.00		320	H2747.00		1070	H2824.00		1655			
H2662.00		325	H2748.00		1075	H2824.10		1660			
H2664.00		335	H2750.00		1090	H2826.00		1635			
H2665.00		340	H2751.00		1095	H2828.00		1670			
H2665.40		345	H2754.00		1110	H2831.00		1705			
H2666.00		360	H2754.10		1115	H2832.00		1700			
H2666.10		365	H2756.00		1120						
H2669.00		495	H2760.00		1140						
H2669.10		500	H2764.00		1180						
H2670.00		390	H2766.00		1195						
H2671.00		395	H2768.00		1205						
H2672.00		400	H2769.00		1210						
H2673.00		415	H2770.00		1225						
H2674.00		515	H2771.00		1230						
H2674.10		520	H2774.00		1250						
H2675.00		485	H2775.00		1235						
H2677.00		510	H2778.00		1280						
H2679.00		425	H2779.00		1285						
H2679.10		430	H2780.00		1290						
H2680.00		530	H2782.00		1305						