

Guide for DCR Discharge Allowances, Restrictions and Prohibitions

[Table of Dry Cargo Residues Allowed on the Great Lakes](#) (from 33 CFR 151 Subpart A, table 151.66(b))

Maps and Chartlets of Defined Restricted Discharge Areas in Table 151.66(b) (Maps and chartlets are intended to be used as a guide)

I. Lake Erie

- a. [Detroit River International Wildlife Refuge](#)
- b. [Western Basin](#)

II. Lake Huron

- a. [Thunder Bay National Marine Sanctuary](#)
- b. [Six Fathom Scarp Mid-Lake Protection Area](#)

III. Lake Michigan

- a. [Milwaukee Mid-Lake Special Protection Area](#)
- b. [Waukegan Special Protection Area](#)
- c. [Northern Refuge](#)
- d. [Indiana Dunes National Lakeshore](#)
- e. [Sleeping Bear Dunes National Lakeshore](#)

IV. Lake Superior

- a. [Isle Royale National Park](#)
- b. [Caribou Island and Southwest Bank Protection Area](#)
- c. [Stannard Rock Protection Area](#)
- d. [Superior Shoal Protection Area](#)
- e. [Apostle Islands National Lakeshore](#)
- f. [Pictured Rocks National Lakeshore](#)
- g. [Grand Portage National Monument](#)

Table 151.66(b): Bulk Dry Cargo Residue Discharges Allowed on the Great Lakes.

Location	Cargo	Discharge Allowed Except As Noted
Tributaries, their connecting rivers, and St. Lawrence River	Limestone and other clean stone	Prohibited where there is an apparent impact on wetlands, fish spawning areas, and potable water intakes.
	All other cargos	Prohibited.
Lake Ontario	Limestone and other clean stone	Prohibited where there is an apparent impact on wetlands, fish spawning areas, and potable water intakes.
	Iron ore	Prohibited within 6 miles from shore.
	All other cargos	Prohibited within 13.8 miles from shore.
Lake Erie	Limestone and other clean stone	Prohibited where there is an apparent impact on wetlands, fish spawning areas, and potable water intakes; prohibited in the Detroit River International Wildlife Refuge; prohibited in Western Basin, except that a vessel operating exclusively within Western Basin may discharge limestone or clean stone cargo residues over the dredged navigation channels between Toledo Harbor Light and Detroit River Light.
	Iron ore	Prohibited within 6 miles from shore; prohibited in the Detroit River International Wildlife Refuge; prohibited in Western Basin, except that a vessel may discharge residue over the dredged navigation channels between Toledo Harbor Light and Detroit River Light if it unloads in Toledo or Detroit and immediately thereafter loads new cargo in Toledo, Detroit, or Windsor.
	Coal, salt	Prohibited within 13.8 miles from shore; prohibited in the Detroit River International Wildlife Refuge; prohibited in Western Basin, except that a vessel may discharge residue over the dredged navigation channels between Toledo Harbor Light and Detroit River Light if it unloads in Toledo or Detroit and immediately thereafter loads new cargo in Toledo, Detroit, or Windsor.
	All other cargos	Prohibited within 13.8 miles from shore; prohibited in the Detroit River International Wildlife Refuge; prohibited in Western Basin.
Lake St. Clair	Limestone and other clean stone	Prohibited where there is an apparent impact on wetlands, fish spawning areas, and potable water intakes.
	All other cargos	Prohibited.
Lake Huron except Six Fathom Scarp Mid-Lake Special Protection Area	Limestone and other clean stone	Prohibited where there is an apparent impact on wetlands, fish spawning areas, and potable water intakes; prohibited in the Thunder Bay National Marine Sanctuary.
	Iron ore	Prohibited within 6 miles from shore and in Saginaw Bay; prohibited in the Thunder Bay National Marine

		<p>Sanctuary; prohibited for vessels up bound along the Michigan thumb as follows: (a) Between 5.8 miles northeast of entrance buoys 11 and 12 to the track line turn abeam of Harbor Beach, prohibited within 3 miles from shore; and (b) For vessels bound for Saginaw Bay only, between the track line turn abeam of harbor Beach and 4 nautical miles northeast of Point Aux Barques Light, prohibited within 4 miles from shore and not less than 10 fathoms of depth.</p>
	Coal, salt	<p>Prohibited within 13.8 miles from shore and in Saginaw Bay; prohibited in the Thunder Bay National Marine Sanctuary; prohibited for vessels up bound from Alpena into ports along the Michigan shore south of Forty Mile Point within 4 miles from shore and not less than 10 fathoms of depth.</p>
	All other cargos	<p>Prohibited within 13.8 miles from shore and in Saginaw Bay; prohibited in the Thunder Bay National Marine Sanctuary.</p>
Lake Michigan	Limestone and other clean stone	<p>Prohibited where there is an apparent impact on wetlands, fish spawning areas, and potable water intakes; prohibited within the Milwaukee Mid-Lake and Waukegan Special Protection Areas; prohibited within the Northern Refuge; prohibited within 3 miles of the shore of the Indiana Dunes and Sleeping Bear National Lakeshores; prohibited within Green Bay.</p>
	Iron ore	<p>Prohibited in the Northern Refuge; north of 45°N, prohibited within 12 miles from shore and in Green Bay; south of 45°N, prohibited within 6 miles from shore, and prohibited within the Milwaukee Mid-Lake and Waukegan Special Protection Areas, in Green Bay, and within 3 miles of the shore of Indiana Dunes and Sleeping Bear National Lakeshores; except that discharges are allowed at: (a) 4.75 miles off Big Sable Point Betsie, along established Lake Carriers Association (LCA) track lines; and (b) Along 056.25° LCA track line between due east of Poverty Island to a point due south of Port Inland Light.</p>
	Coal	<p>Prohibited in the Northern Refuge; prohibited within 13.8 miles from shore and prohibited within the Milwaukee Mid-Lake and Waukegan Special Protection Areas, in Green Bay, and within 3 miles of the shore of Indiana Dunes and Sleeping Bear National Lakeshores; except that discharges are allowed: (a) Along 013.5 ° LCA track line between 45°N and Boulder Reef, and along 022.5° LCA track running 23.25 miles between Boulder Reef and the charted position of Red Buoy #2; (b) Along 037° LCA track line between 45°20'N and 45°42'N; (c) Along 056.25° LCA track line between points due east of Poverty Island to a point due south of Port Inland Light; and (d) At 3 miles from shore for coal carried between</p>

		Manistee and Ludington along customary routes.
	Salt	Prohibited in the Northern Refuge; prohibited within 13.8 miles from shore and prohibited within the Milwaukee Mid-Lake and Waukegan Special Protection Areas, in Green Bay, and within 3 miles of the shore of Indiana Dunes and Sleeping Bear National Lakeshores, and in Green Bay.
	All other cargos	Prohibited in the Northern Refuge; prohibited within 13.8 miles from shore and prohibited within the Milwaukee Mid-Lake and Waukegan Special Protection Areas, in Green Bay, and within 3 miles of the shore of Indiana Dunes and Sleeping Bear National Lakeshores.
Lake Superior	Limestone and other clean stone	Prohibited where there is an apparent impact on wetlands, fish spawning areas, and potable water intakes; and prohibited within Isle Royal National Park and the Caribou Island and Southwest Bank, Stannard Rock, and Superior Shoal Protection Areas, and within 3 miles of the shore of the Apostle Islands and Pictured Rocks National Lakeshores or the Grand Portage National Monument.
	Iron ore	Prohibited within 6 miles from shore (within 3 miles off northwestern shore between Duluth and Grand Marais); and prohibited within Isle Royal National Park and the Caribou Island and Southwest Bank, Stannard Rock, and Superior Shoal Protection Areas, and within 3 miles of the shore of the Apostle Islands and Pictured Rocks National Lakeshores or the Grand Portage National Monument.
	Coal, salt	Prohibited within 13.8 miles from shore (within 3 miles off northwestern shore between Duluth and Grand Marais); and prohibited within Isle Royal National Park and the Caribou Island and Southwest Bank, Stannard Rock, and Superior Shoal Protection Areas, and within 3 miles of the shore of the Apostle Islands and Pictured Rocks National Lakeshores or the Grand Portage National Monument.
	Cement	Prohibited within 13.8 miles from shore (within 3 miles offshore west of a line due north from Bark Point); and prohibited within Isle Royal National Park and the Caribou Island and Southwest Bank, Stannard Rock, and Superior Shoal Protection Areas, and within 3 miles of the shore of the Apostle Islands and Pictured Rocks National Lakeshores or the Grand Portage National Monument.
	All other cargos	Prohibited within 13.8 miles from shore; and prohibited within Isle Royal National Park and the Caribou Island and Southwest Bank, Stannard Rock, and Superior Shoal Protection Areas, and within 3 miles of the shore of the Apostle Islands and Pictured Rocks National Lakeshores or the Grand Portage National Monument.

Detroit River International Wildlife Refuge means the U.S. waters of the Detroit River bound by the area extending from the Michigan shore at the southern outlet of the Rouge River to 41°54'N, 083°06'W along the U.S.- Canada boundary southward and clockwise connecting points:

42°02'N	083°08'W
41°54'N	083°06'W
41°50'N	083°10'W
41°44.52N	083°22'W
41°44.19N	083°27'W.



Legend

Approved Acquisition Boundary

Counties

FWS Lands

Owned

Agreement

Major Roads

Limited Access Highway

US Highway

Airports

Airport Area

Runway

Source:
<http://www.fws.gov/>
 Midwest/DetroitRiver/



Western Basin means that portion of Lake Erie west of
a line due south from Point Pelee.

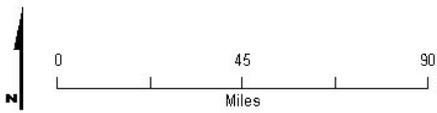
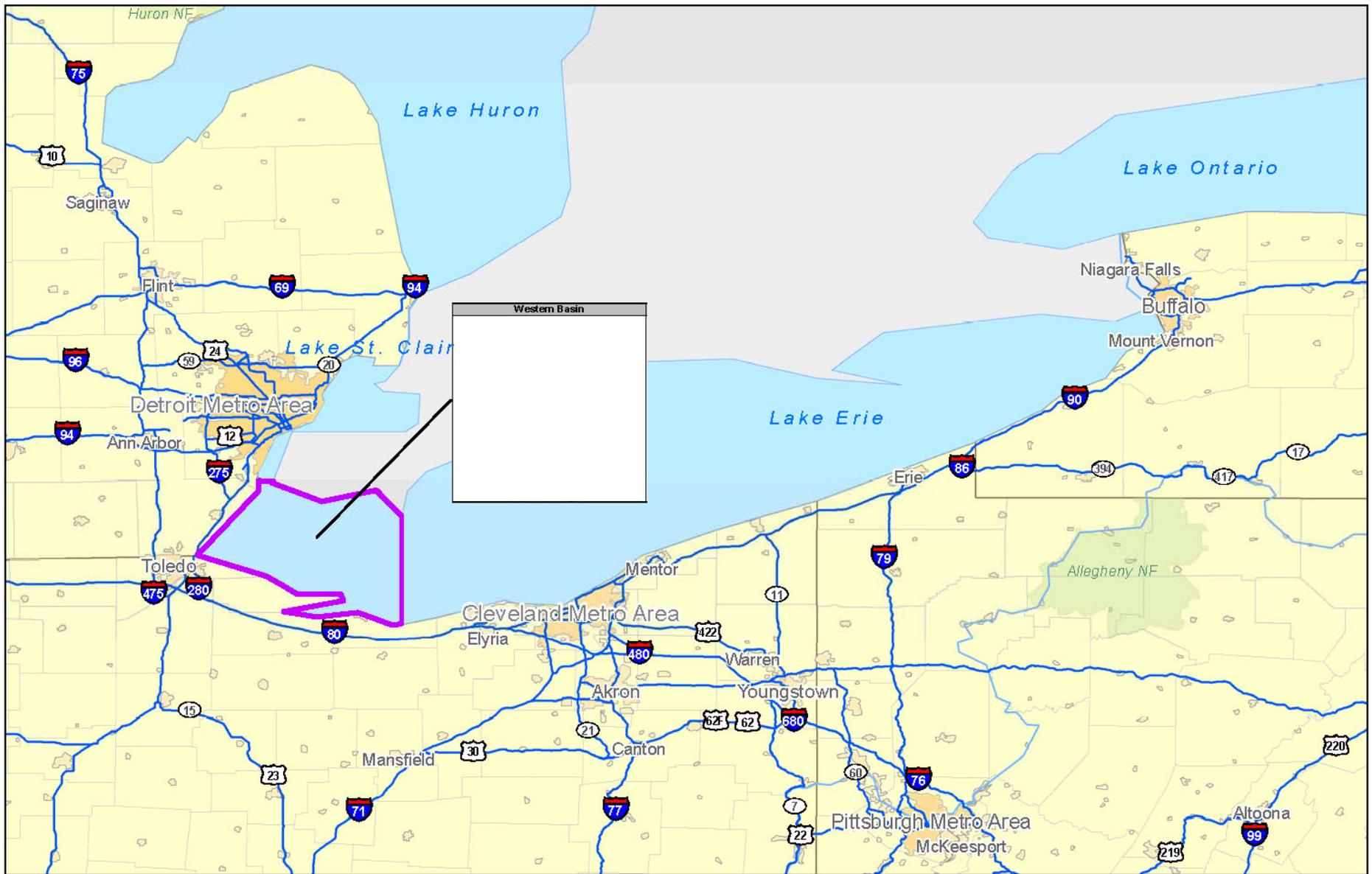


Figure 1-6
 Western Basin of Lake Erie
 U.S. Coast Guard Dry Cargo Residue EIS

Thunder Bay National Marine Sanctuary means the site on or near Lake Huron designated by the National Oceanic and Atmospheric Administration as the boundary that forms an approximately rectangular area by extending along the ordinary high water mark between the northern and southern boundaries of Alpena County, cutting across the mouths of rivers and streams, and lakeward from those points along latitude lines to longitude 83 degrees west. The coordinates of the boundary are:

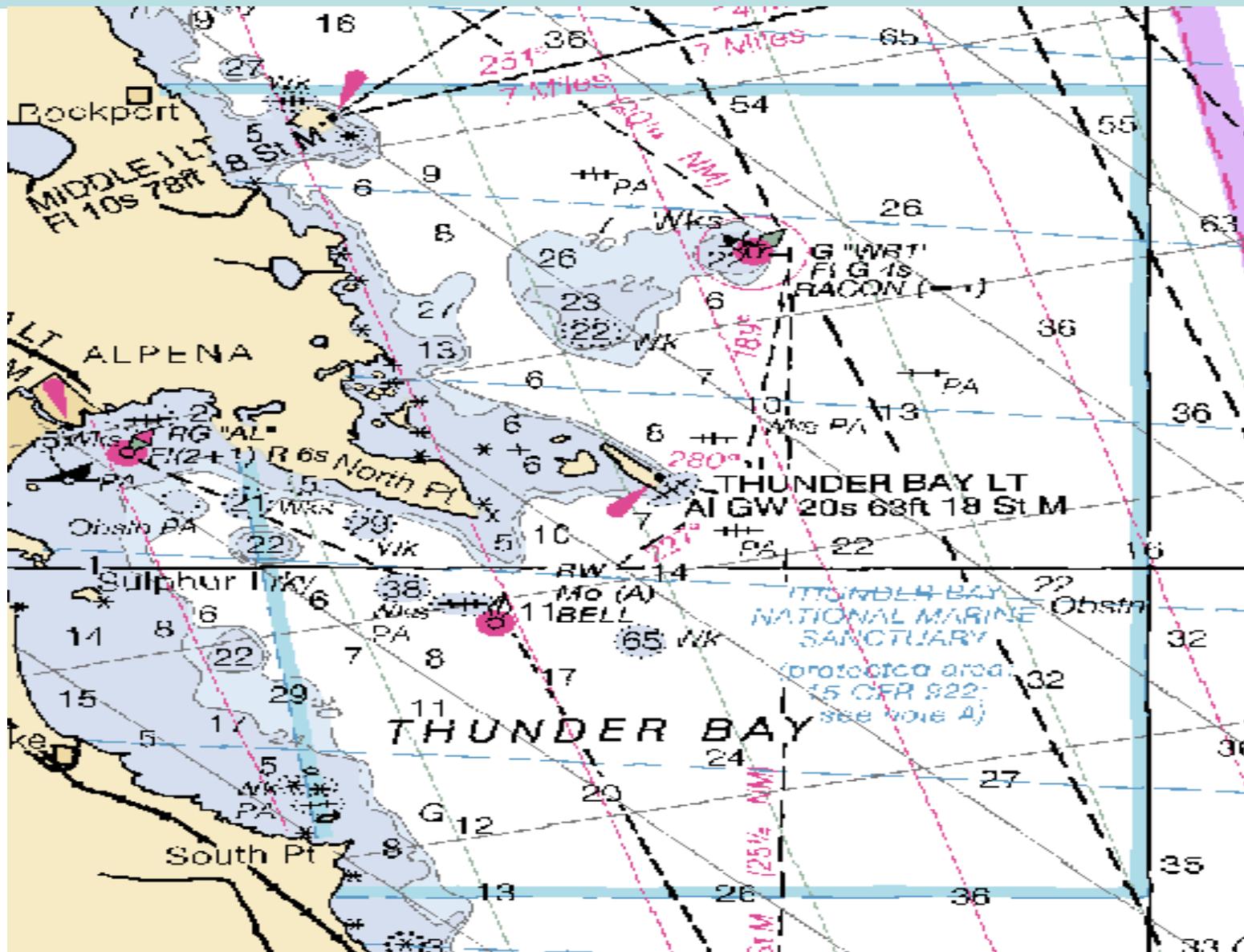
45°12'25.5"N 83°23'18.6"W

45°12'25.5"N 83°00'00"W

44°51'30.5"N 83°00'00"W

44°51'30.5"N 83°19'17.3"W

Thunder Bay National Marine Sanctuary



Six Fathom Scarp Mid-Lake Special Protection Area

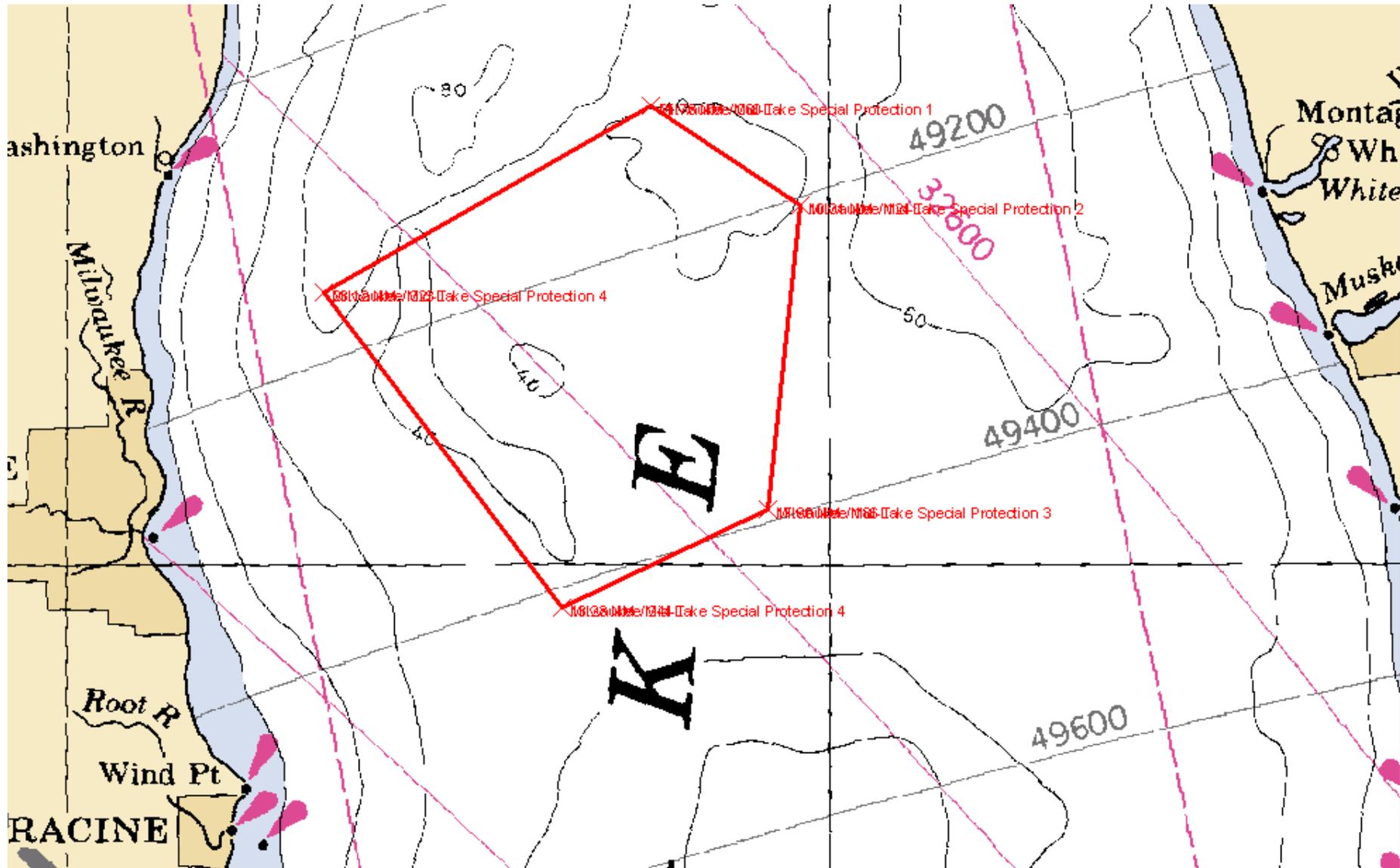
means the area enclosed by rhumb lines connecting the following coordinates, beginning on the northernmost point and proceeding clockwise:

44°55'N	82°33'W
44°47'N	82°18'W
44°39'N	82°13'W
44°27'N	82°13'W
44°27'N	82°20'W
44°17'N	82°25'W
44°17'N	82°30'W
44°28'N	82°40'W
44°51'N	82°44'W
44°53'N	82°44'W
44°54'N	82°40'W;

Milwaukee Mid-Lake Special Protection Area means the area enclosed by rhumb lines connecting the following coordinates, beginning on the northernmost point and proceeding clockwise:

43°27.0'N	87°14.0'W
43°21.2'N	87°02.3'W
43°03.3'N	87°04.8'W
42°57.5'N	87°21.0'W
43°16.0'N	87°39.8'W;

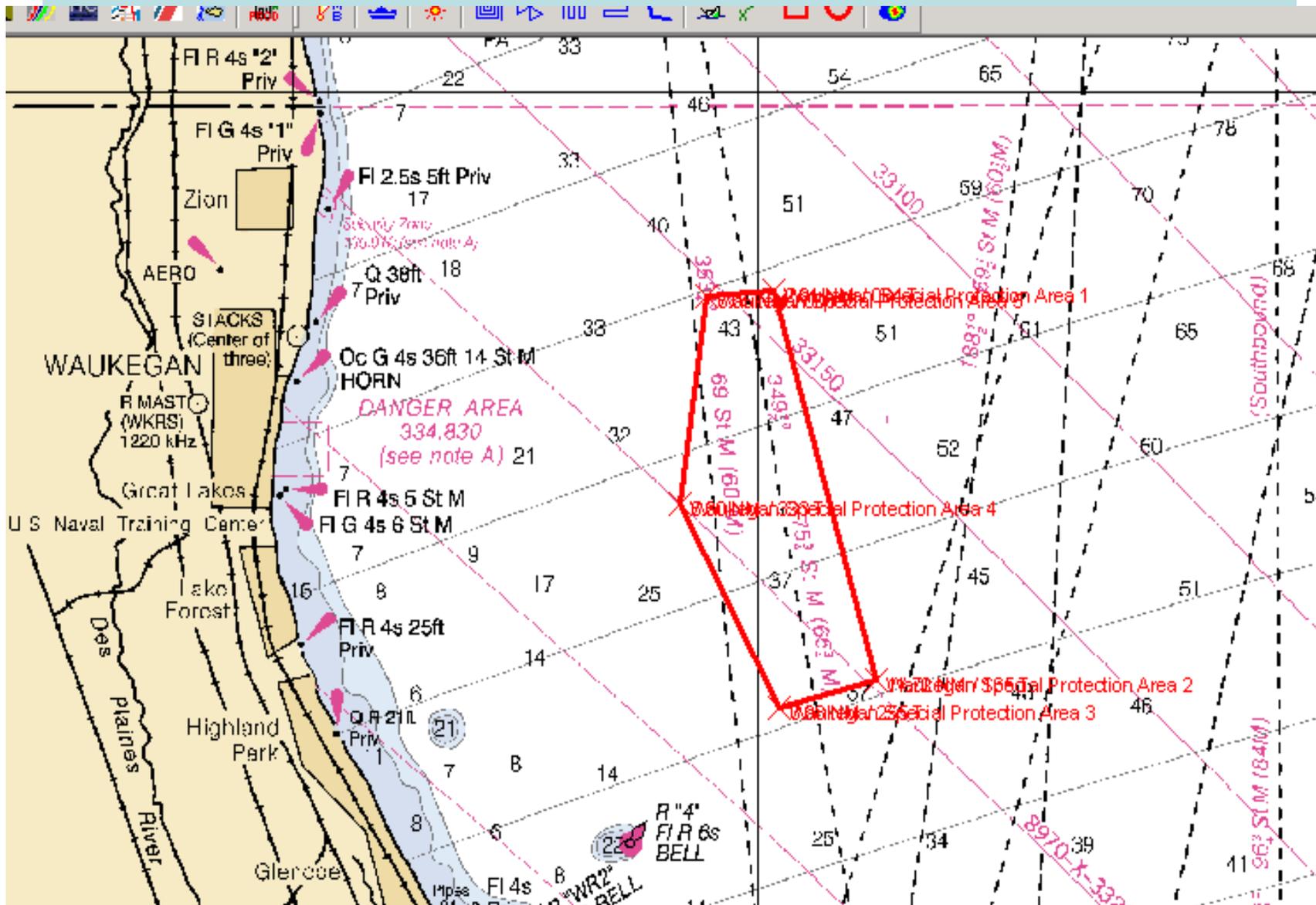
Milwaukee Mid-Lake Special Protection



Waukegan Special Protection Area means the area enclosed by rhumb lines connecting the following coordinates, beginning on the northernmost point and proceeding clockwise:

42°24.3'N	87°29.3'W
42°13.0'N	87°25.1'W
42°12.2'N	87°29.1'W
42°18.1'N	87°33.1'W
42°24.1'N	87°32.0'W;

Waukegan Special Protection Area



Northern Refuge means the area enclosed by rhumb lines connecting the coordinates, beginning on the northernmost point and proceeding clockwise:

45°45' N 86°00' W,

western shore of High Island, southern shore of Beaver Island:

45°30' N	85°30' W
45°30' N	85°15' W
45°25' N	85°15' W
45°25' N	85°20' W
45°20' N	85°20' W
45°20' N	85°40' W
45°15' N	85°40' W
45°15' N	85°50' W
45°10' N	85°50' W
45°10' N	86°00' W;

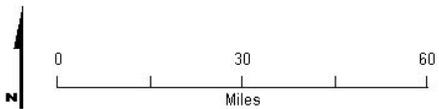
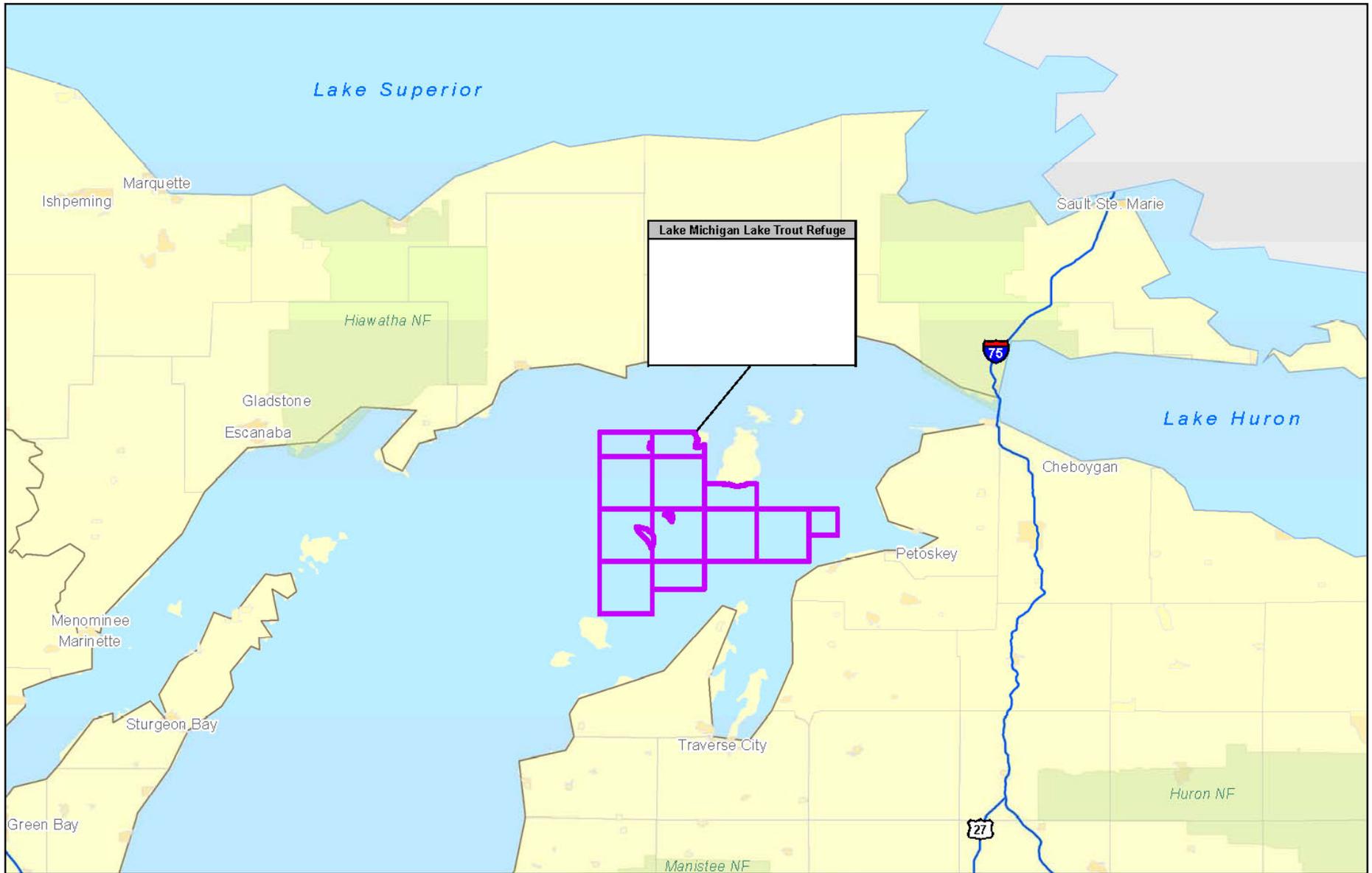
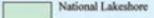
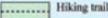
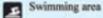
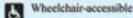


Figure 1-2
 Lake Michigan Lake Trout Refuge (Northern Refuge)
 U.S. Coast Guard Dry Cargo Residue EIS

Indiana Dunes National Lakeshore means the site on or near Lake Michigan, administered by the National Park Service, from a point of land near Gary, Indiana at 41°42'59.4"N 086°54'59.9"W eastward along the shoreline to 41°37'08.8"N 087°17'18.8"W near Michigan City, Indiana.

- | | | | | |
|---|--|---|--|--|
|  National Lakeshore |  Hiking trail |  Ranger station |  Campground |  Swimming area |
|  State Park or Nature Preserve |  Bicycle trail |  Wheelchair-accessible |  Snack bar |  Bench access |
| | |  Self-guiding trail |  Picnic area |  Cross-country ski trail |

0 1 2 3 4 Kilometers
0 1 2 3 4 Miles

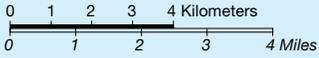


Water Safety
Lake Michigan waters can be hazardous. Rip currents occur frequently during periods of high wind and waves. During the winter, shelf ice forms along the lakeshore and is never safe to walk on. Check with local authorities about conditions and potential hazards.



Source:
<http://www.nps.gov/indu/>

Sleeping Bear Dunes National Lakeshore means the site on or near Lake Michigan, administered by the National Park Service, that includes North Manitou Island, South Manitou Island and the Michigan shoreline from a point of land at 44°42'45.1"N 086°12'18.1"W north and eastward along the shoreline to 44°57'12.0"N 085°48'12.8"W.



Unpaved road

Authorized parkland

Passenger ferry route

Ranger station

Picnic area

Campground

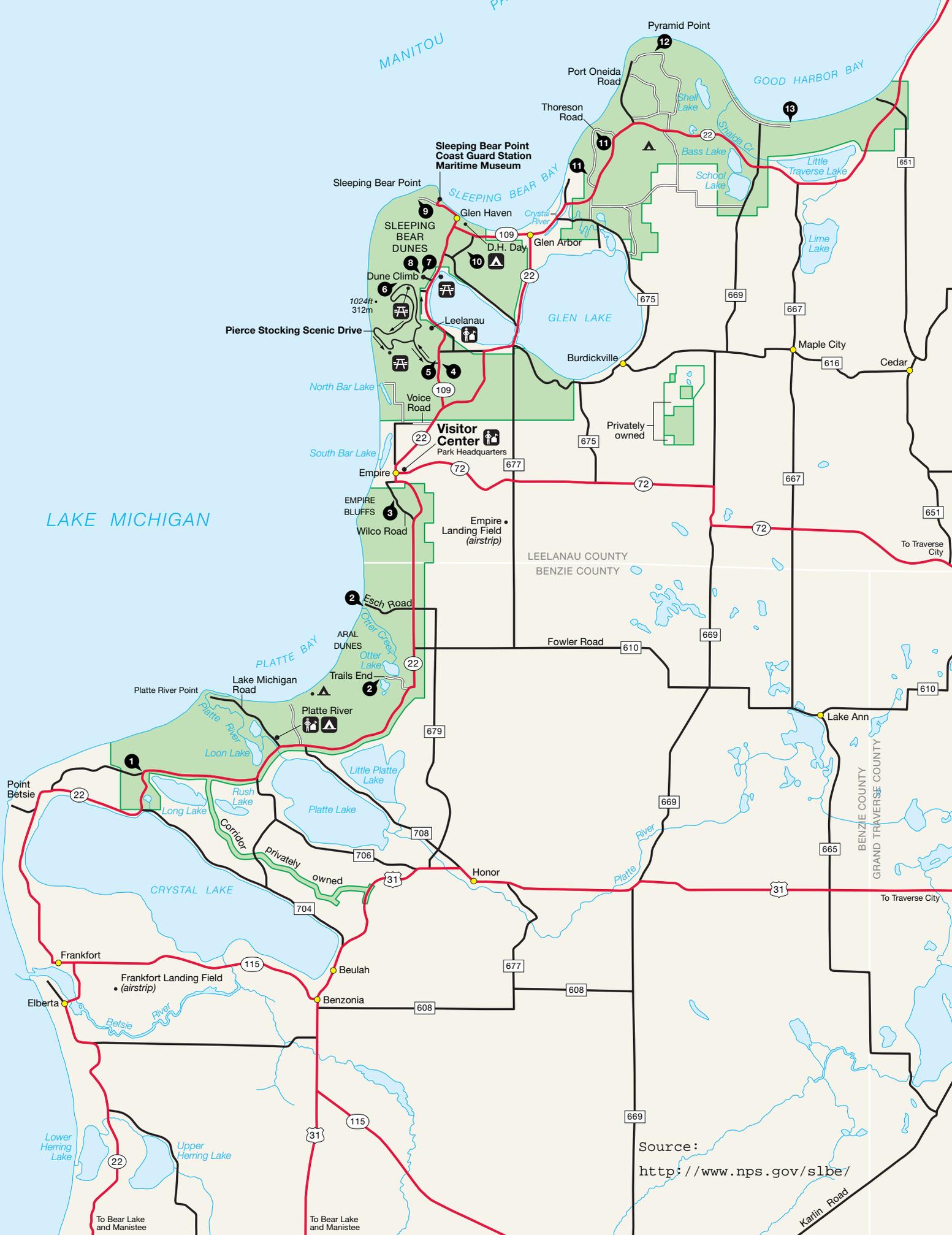
Backcountry campground walk-in (permit required)

Several pieces of private property exist within the park's authorized boundary. Many small areas are not shown on the map. Respect all property owner's rights.

Trailheads
Trails for hiking and/or cross-country skiing begin at designated locations. Detailed trail maps are available.

- 1 Old Indian Trail
- 2 Platte Plains Trail
- 3 Empire Bluff Trail
- 4 Windy Moraine Trail
- 5 Shauger Hill Trail
- 6 Cottonwood Trail (no winter use)
- 7 The Dunes Trail (no winter use)
- 8 Duneside Accessible Trail (no winter use)
- 9 The Dunes Trail (Sleeping Bear Point Loop - no winter use)
- 10 Alligator Hill Trail
- 11 Bay View Trail
- 12 Pyramid Point Trail
- 13 Good Harbor Bay Trail

LAKE MICHIGAN
Lake Elevation 580ft (177m)



Source:
<http://www.nps.gov/slbe/>

Isle Royale National Park means the site on or near Lake Superior, administered by the National Park Service, where the boundary includes any submerged lands within the territorial jurisdiction of the United States within four and one-half miles of the shoreline of Isle Royale and the surrounding islands, including Passage Island and Gull Island.



CANADA
UNITED STATES

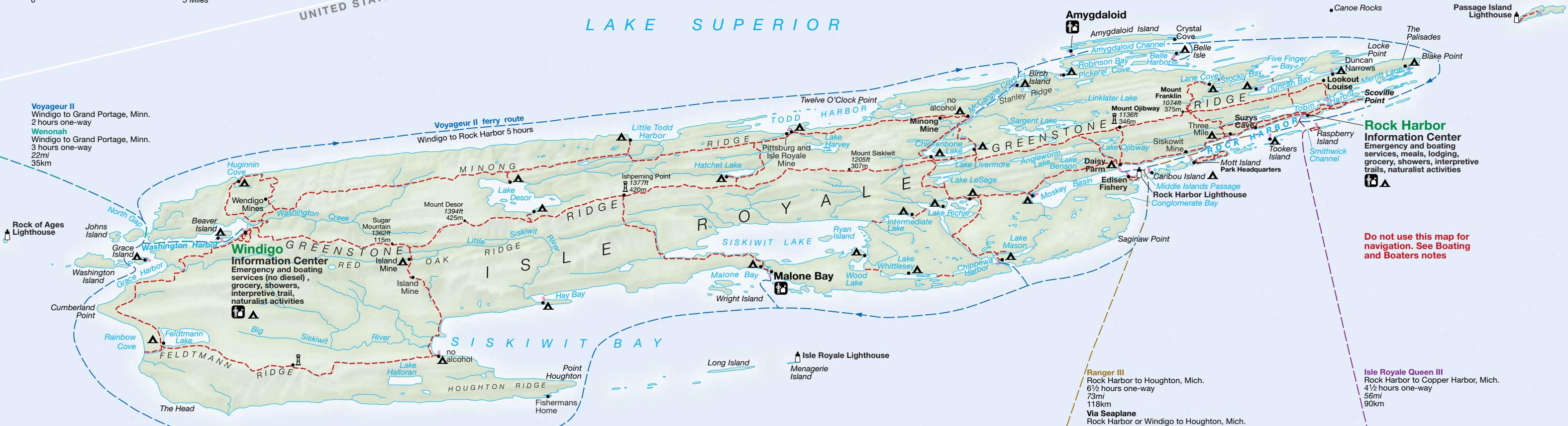
LAKE SUPERIOR

Voyageur II
Windigo to Grand Portage, Minn.
2 hours one-way

Wenonah
Windigo to Grand Portage, Minn.
3 hours one-way
22mi
35km

Voyageur II ferry route
Windigo to Rock Harbor 5 hours

Voyageur II ferry route
Rock Harbor to Windigo 4½ hours



Rock Harbor
Information Center
Emergency and boating services, meals, lodging, grocery, showers, interpretive trails, naturalist activities

Do not use this map for navigation. See Boating and Boaters notes

Ranger III
Rock Harbor to Houghton, Mich.
6½ hours one-way
73mi
118km

Via Seaplane
Rock Harbor or Windigo to Houghton, Mich.
30 minutes one-way

Isle Royale Queen III
Rock Harbor to Copper Harbor, Mich.
4½ hours one-way
56mi
90km

Isle Royale National Park boundary extends 4.5 miles from Isle Royale and the outer islands or to the international boundary.

- Trail
- Dock
- Ranger station
- Campsite
- Lookout Tower
- Lighthouse

Inland Lake Canoe Campgrounds
Intermediate Lake
Lake Richie Canoe
Lake Whittlesey
Wood Lake

Day Use Only Docks
Amygdaloid
Lookout Louise
Mott Island
Passage Island
Raspberry Island

Public Overnight Docks
Beaver Island
Belle Isle
Birch Island
Caribou Island
Chippewa Harbor

Daisy Farm
Duncan Bay
Duncan Narrows
Grace Island
Hay Bay

Malone Bay
McCargoe Cove
Merritt Lane
Moskey Basin
Rock Harbor

Siskiwit Bay
Three Mile
Todd Harbor
Tookers Island
Windigo

Source:
<http://www.nps.gov/ISRO/>

Caribou Island and Southwest Bank Protection Area

means the area enclosed by rhumb lines connecting the following coordinates, beginning on the northernmost point and proceeding clockwise:

47°30.0'N 85°50.0'W

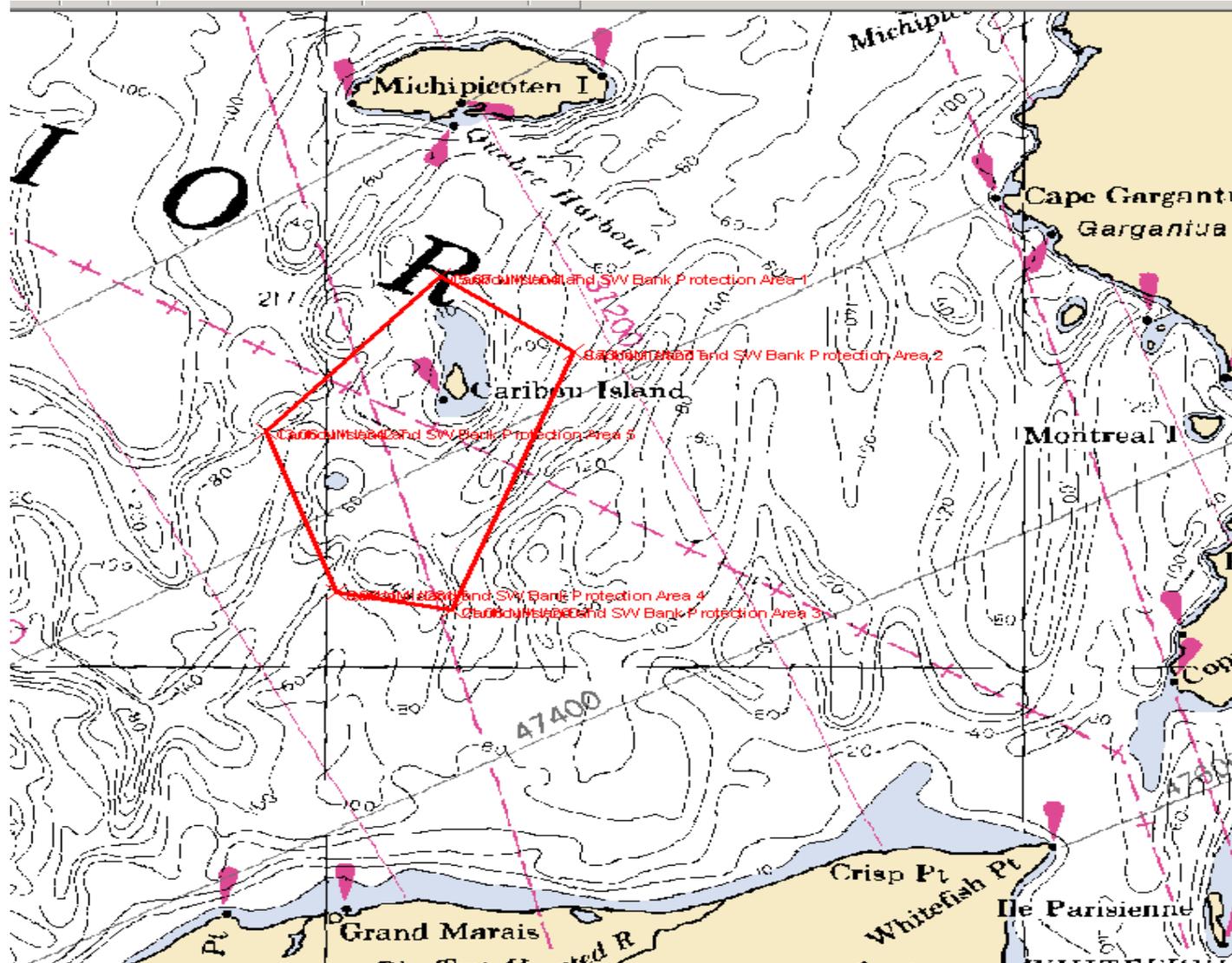
47°24.2'N 85°38.5'W

47°04.0'N 85°49.0'W

47°05.7'N 85°59.0'W

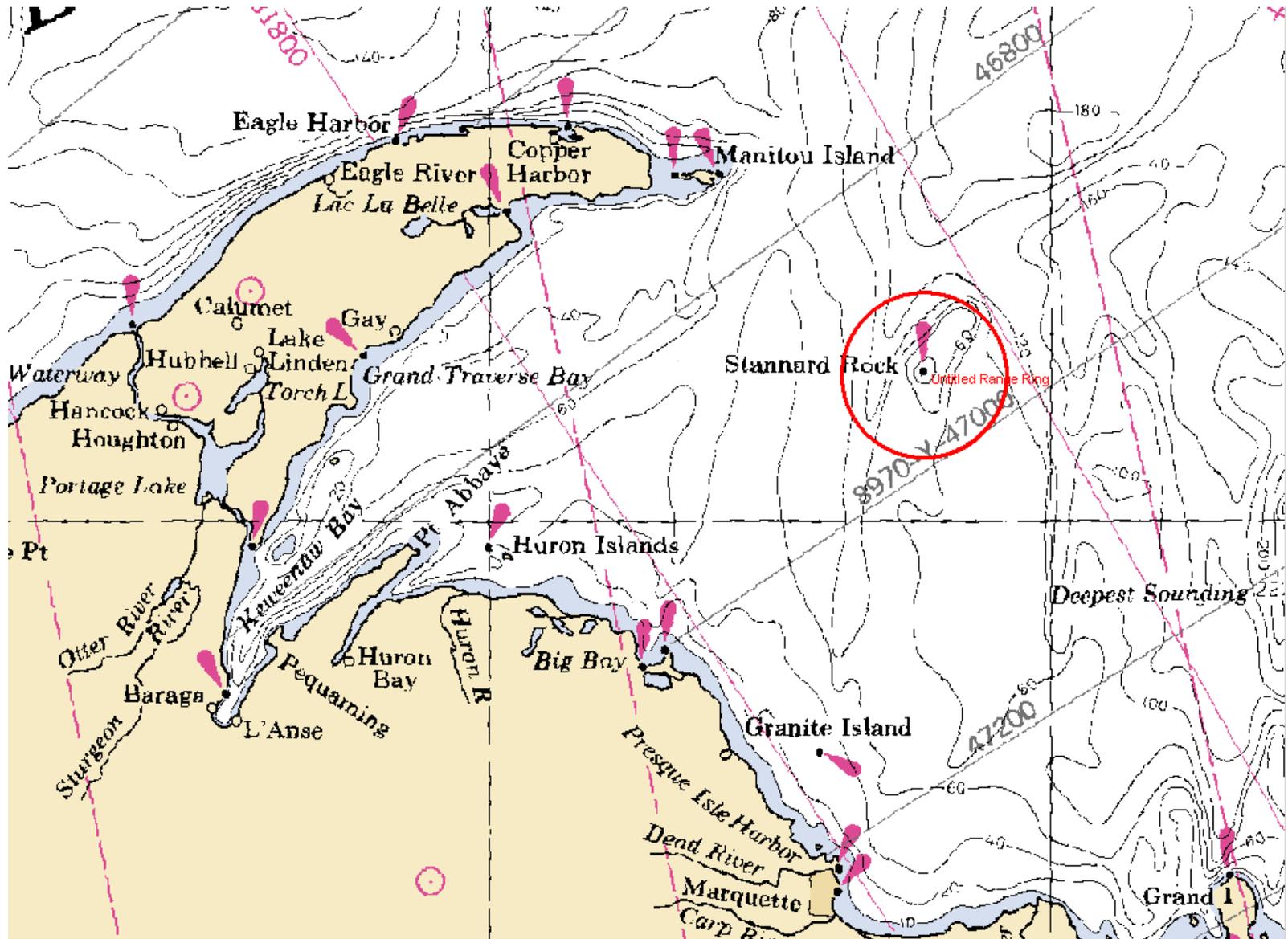
47°18.1'N 86°05.0'W;

Caribou Island and Southwest Bank Protection Area



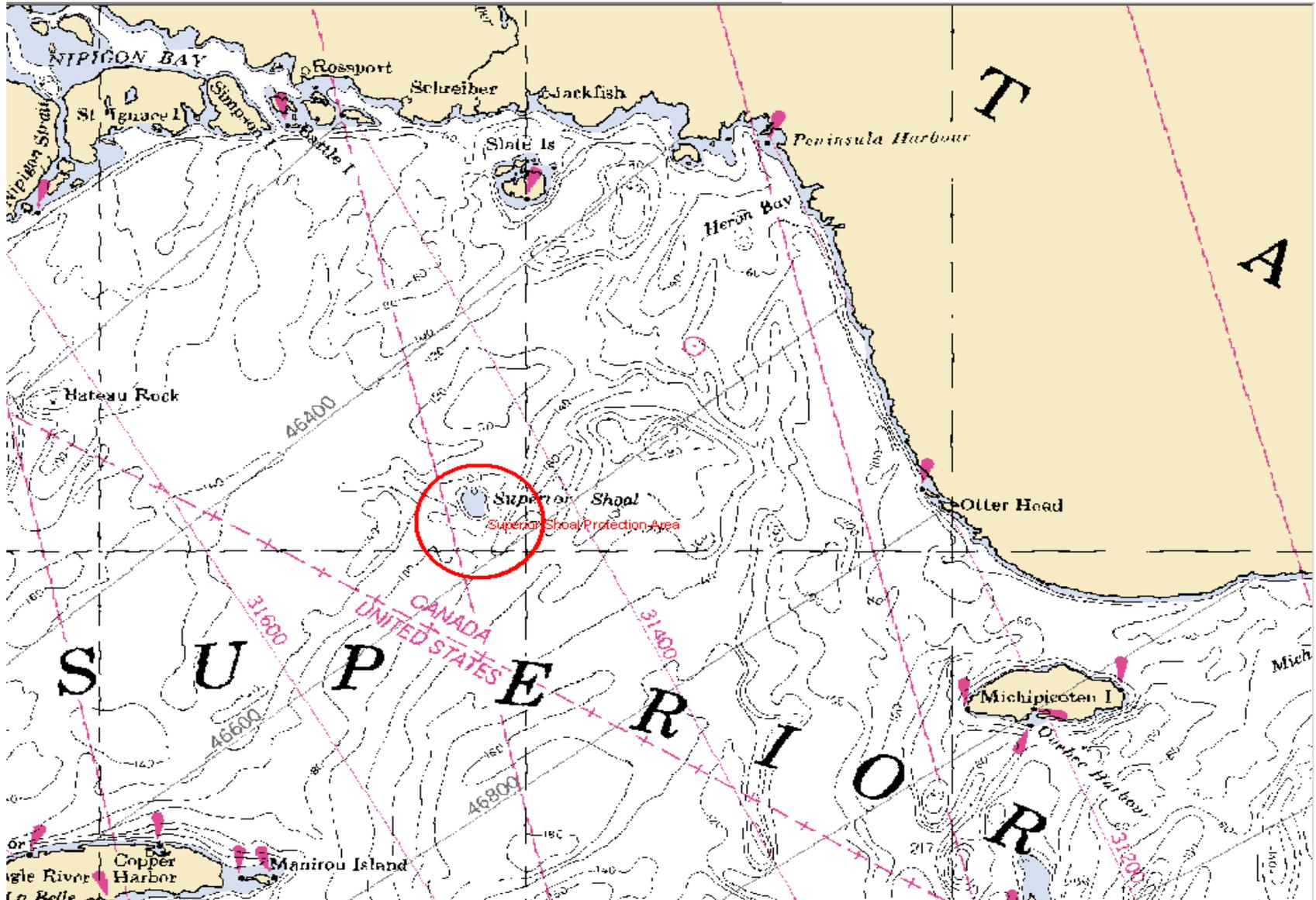
Stannard Rock Protection Area means the area within a
6 mile radius from Stannard Rock Light, at 47°10'57"N
87°13'34"W;

Stannard Rock Protection Area



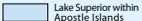
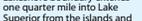
Superior Shoal Protection Area means the area within a
6 mile radius from the center of Superior Shoal, at
48°03.2'N 87°06.3'W;

Superior Shoal Protection Area



Apostle Islands National Lakeshore means the site on or near Lake Superior administered by the National Park Service, less Madeline Island, and including the Wisconsin shoreline of Bayfield Peninsula from the point of land at 46°57'19.7"N 90°52'51.0"W southwest along the shoreline to a point of land at 46°52'56.4"N 91°3'3.1"W.

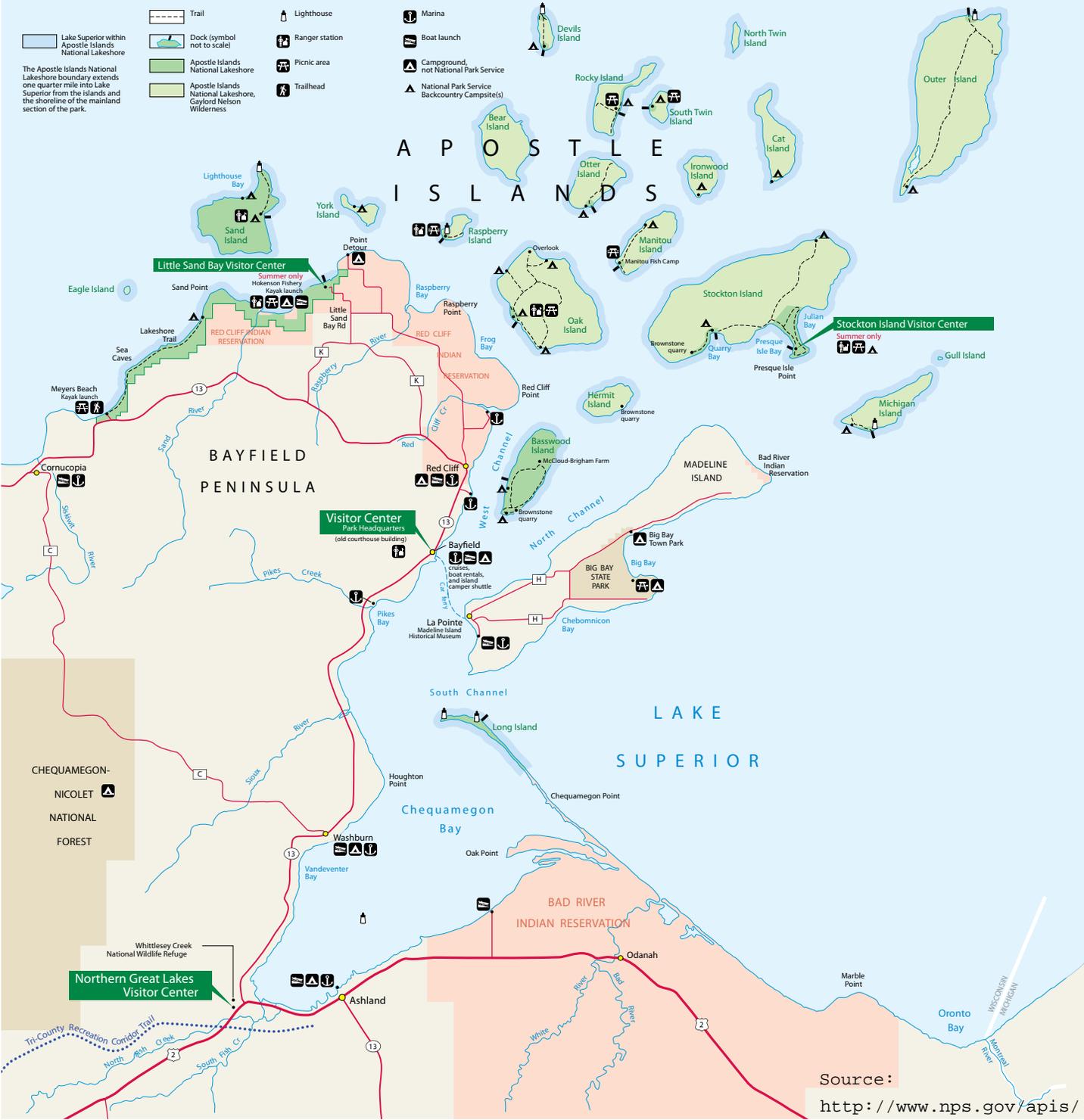


 Lake Superior within Apostle Islands National Lakeshore
 Apostle Islands National Lakeshore
 Apostle Islands National Lakeshore, Gaylord Nelson Wilderness

The Apostle Islands National Lakeshore boundary extends one quarter mile into Lake Superior from the islands and the shoreline of the mainland section of the park.

-  Trail
-  Lighthouse
-  Ranger station
-  Boat launch
-  Picnic area
-  Campground, not National Park Service
-  Trailhead
-  National Park Service Backcountry Campsite(s)

A P O S T L E I S L A N D S



Source: <http://www.nps.gov/apis/>

Pictured Rocks National Lakeshore means the site on or near Lake Superior, administered by the National Park Service, from a point of land at 46°26'21.3"N 086°36'43.2"W eastward along the Michigan shoreline to 46°40'22.2"N 085°59'58.1"W.

Pictured Rocks National Lakeshore consists of two zones. The Lakeshore Zone is federal land managed by the National Park Service (NPS). The Inland Buffer Zone is a mixture of Federal, state, and private ownership. Please respect the rights of private landowners.

Buffer Zone is under a mixture of Federal, state, and private ownership. Please respect the rights of private landowners.

Lakeshore Zone (NPS)
Inland Buffer Zone (mixed ownership)

For part of its length, H58, the primary access road to the Lakeshore, is unpaved.

Paved Lakeshore access road
Unpaved Lakeshore access road
Other unpaved road
Trail

- National Park Service campground
- Other public campground
- Ranger station
- Wheelchair-accessible
- Boat launch
- Self-guiding trail
- Picnic area
- Cross-country ski trail



LAKE SUPERIOR

PICTURED ROCKS

LAKE SUPERIOR STATE FOREST

SENEY NATIONAL WILDLIFE REFUGE

LAKE SUPERIOR STATE FOREST

Source: <http://www.nps.gov/piro/>

Seney Municipal
Roadside rest area
To Sault Ste. Marie and Mackinac Bridge

Michigan Dept. of Natural Resources
Field Office

Grand Marais Maritime Museum
Grand Sable Visitor Center (summer only)



Grand Portage National Monument means the site on or near Lake Superior, administered by the National Park Service, from a southwest corner of the monument point of land, $47^{\circ}57.521' 89^{\circ} 41.245'$, to the northeast corner of the monument point of land, $47^{\circ}57.888' 89^{\circ}40.725'$.

