

NATIONAL WEATHER SERVICE INSTRUCTION 10-302

OCTOBER 31, 2008

Operations and Services

Marine And Coastal Weather Services, NWSPD 10-3

MARINE AND COASTAL SERVICES AREA OF RESPONSIBILITY

NOTICE: This publication is available at: <http://www.nws.noaa.gov/directives/>.

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SUMMARY OF REVISIONS: This directive supersedes NWSI 10-302 dated May 13, 2008.

This directive was updated for:

1. WFO Eureka implementing marine zone reconfiguration for the far northern California coastal waters. For additional information, see SCN 08-38 posted at: <http://www.nws.noaa.gov/om/notif.htm>
2. WFO San Juan implementing improved marine zone coverage across the coastal waters of Puerto Rico and the U.S. Virgin Islands. For additional information, see SCN 08-43 posted at: <http://www.nws.noaa.gov/om/notif.htm>.
3. WFO Lake Charles implementing marine zone coverage for inland Sabine Lake, Calcasieu Lake, and Vermilion Bay. For additional information, see SCN 08-44 posted at: <http://www.nws.noaa.gov/om/notif.htm>.

signed

October 17, 2008

David B. Caldwell

Date

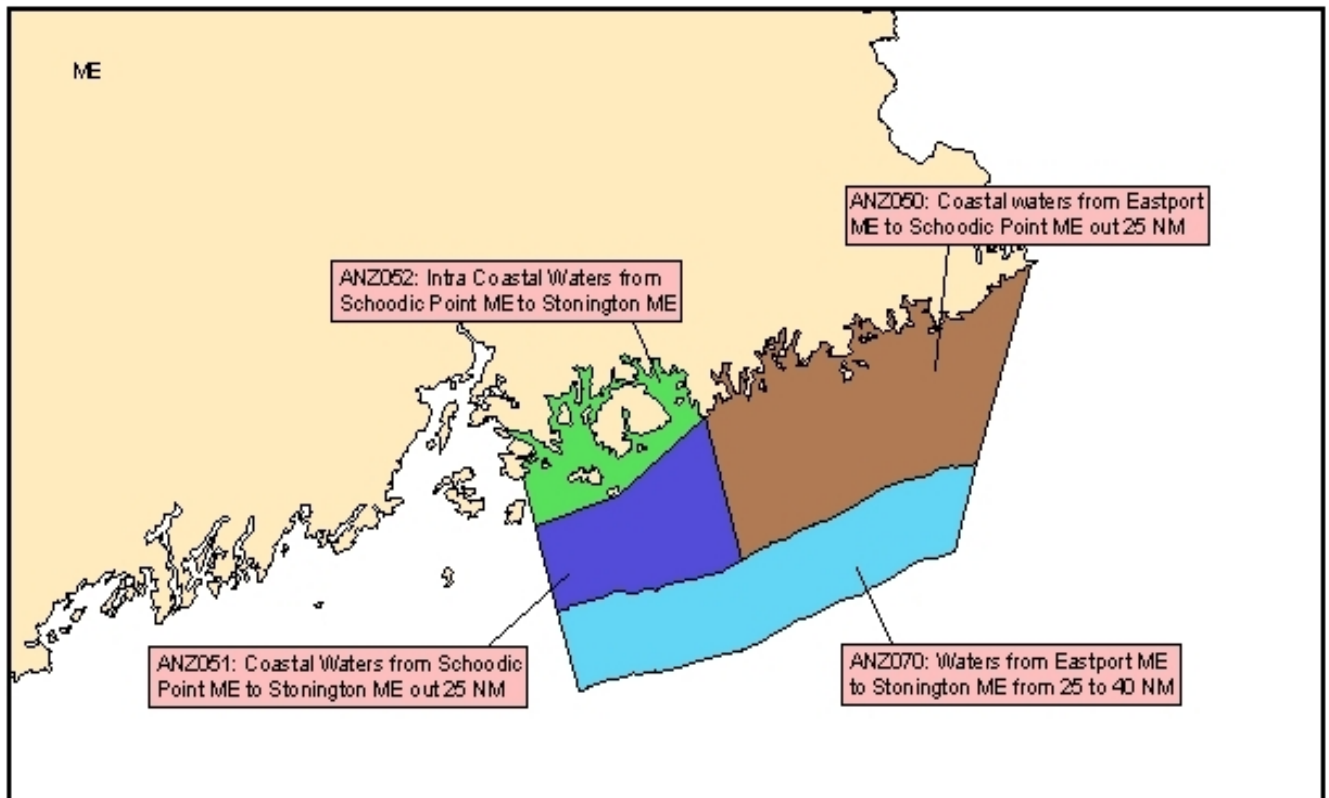
Director, Office of Climate,
Water, and Weather Services

MARINE AND COASTAL SERVICES AREAS OF RESPONSIBILITY

<u>Table of Contents:</u>	<u>Page</u>
1. Coastal Waters Forecast Areas of Responsibility.....	3
2. Great Lakes Forecast Areas of Responsibility.....	41
3. Offshore Forecast Areas of Responsibility.....	78
4. NAVTEX Forecast Areas of Responsibility.....	84
5. High Seas Forecast Areas of Responsibility.....	86
6. Coastal and Offshore Marine Codes Listings for EAS and NWR Applications	88
7. National Marine Sanctuary Inclusions.....	90

1. Coastal Waters Forecast Areas of Responsibility.

MARINE ZONES FOR WFO CARIBOU, ME



CARIBOU, ME (CAR)

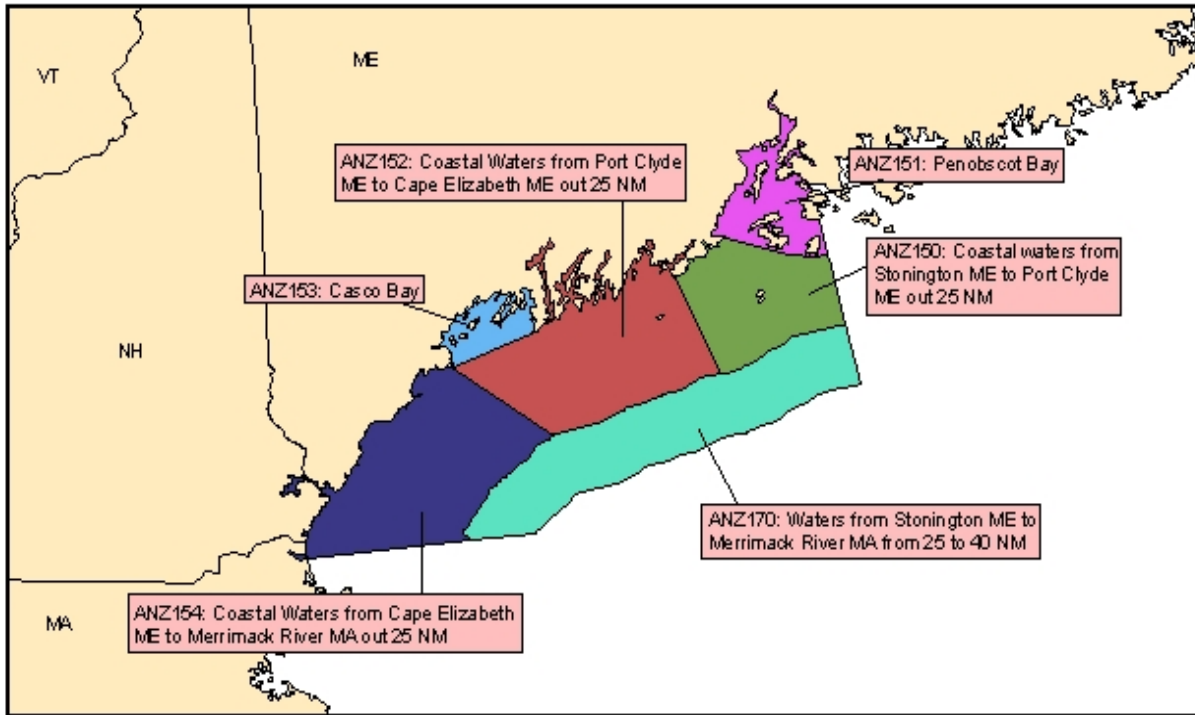
AREA OF RESPONSIBILITY BOUNDARIES

U.S.-Canada border to Stonington, ME, out 25 Nautical Miles (NM)
(Special Marine Warnings out to 40 NM)

- ANZ005 Synopsis for Eastport ME to Stonington ME out 25 NM
- ANZ050 Coastal Waters from Eastport ME to Schoodic Point ME out 25 NM
- ANZ051 Coastal Waters from Schoodic Point ME to Stonington ME out 25 NM
- ANZ052 Intra Coastal Waters from Schoodic Point ME to Stonington ME
- ANZ070* *Waters from Eastport ME to Stonington ME from 25 to 40 NM

*For Special Marine Warning purposes only.

MARINE ZONES FOR WFO GRAY, ME



GRAY, ME (GYX)

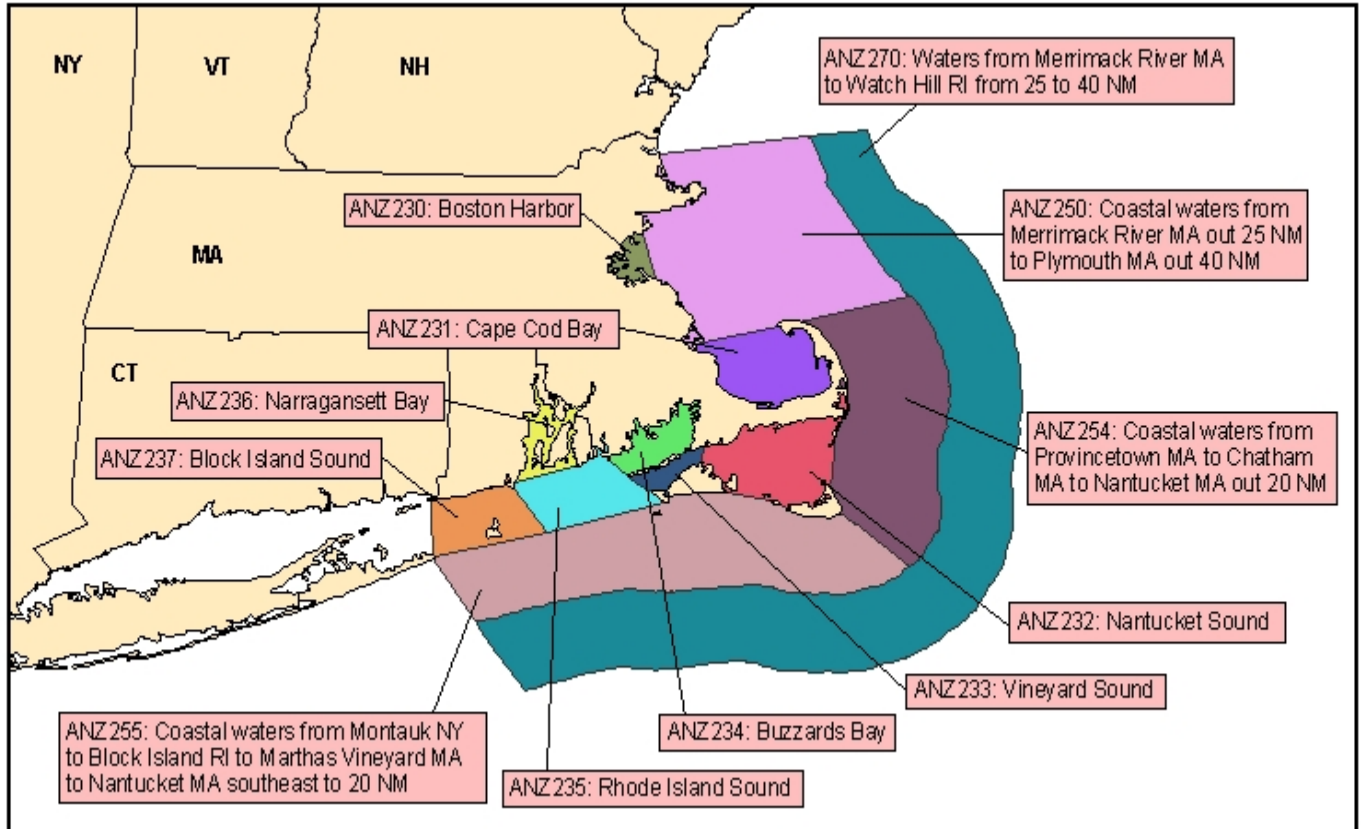
AREA OF RESPONSIBILITY BOUNDARIES

Stonington, ME to the Merrimack River, MA, out 25 NM
(Special Marine Warnings out to 40 NM)

- ANZ100 Synopsis for Stonington ME to Merrimack River MA out 25 NM
- ANZ150 Coastal Waters from Stonington ME to Port Clyde ME out 25 NM
- ANZ151 Penobscot Bay
- ANZ152 Coastal Waters from Port Clyde ME to Cape Elizabeth ME out 25 NM
- ANZ153 Casco Bay
- ANZ154 Coastal Waters from Cape Elizabeth ME to Merrimack River MA out 25 NM
- ANZ170* *Waters from Stonington ME to Merrimack River MA from 25 to 40 NM

*For Special Marine Warning purposes only.

MARINE ZONES FOR WFO TAUNTON, MA



TAUNTON, MA (BOX)

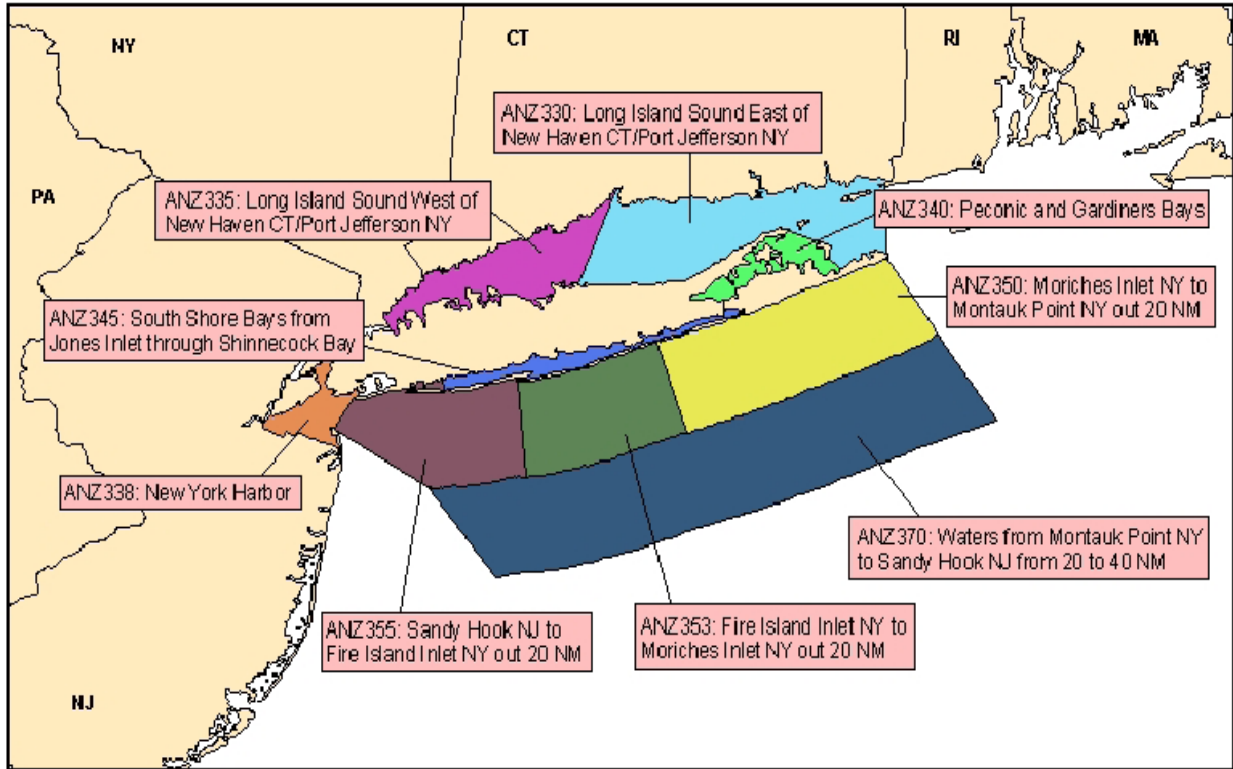
AREA OF RESPONSIBILITY BOUNDARIES

Merrimack River, MA, to CT-RI border, out 20 NM (40 NM for Special Marine Warnings)
Includes the Stellwagen Bank National Marine Sanctuary

- ANZ200 Synopsis for MA and RI coastal waters
- ANZ250 Coastal waters from Merrimack River MA out 25 NM to Plymouth MA out 40 NM
- ANZ230 Boston Harbor
- ANZ231 Cape Cod Bay
- ANZ254 Coastal waters from Provincetown MA to Chatham MA to Nantucket MA out 20 NM
- ANZ255 Coastal waters from Montauk NY to Block Island RI to Martha's Vineyard MA to Nantucket MA southeast to 20 NM
- ANZ232 Nantucket Sound
- ANZ233 Vineyard Sound
- ANZ234 Buzzards Bay
- ANZ235 Rhode Island Sound
- ANZ236 Narragansett Bay
- ANZ237 Block Island Sound
- ANZ270* *Waters from Merrimack River MA to Watch Hill RI from 25 to 40 NM

*For Special Marine Warning purposes only.

MARINE ZONES FOR WFO UPTON, NY



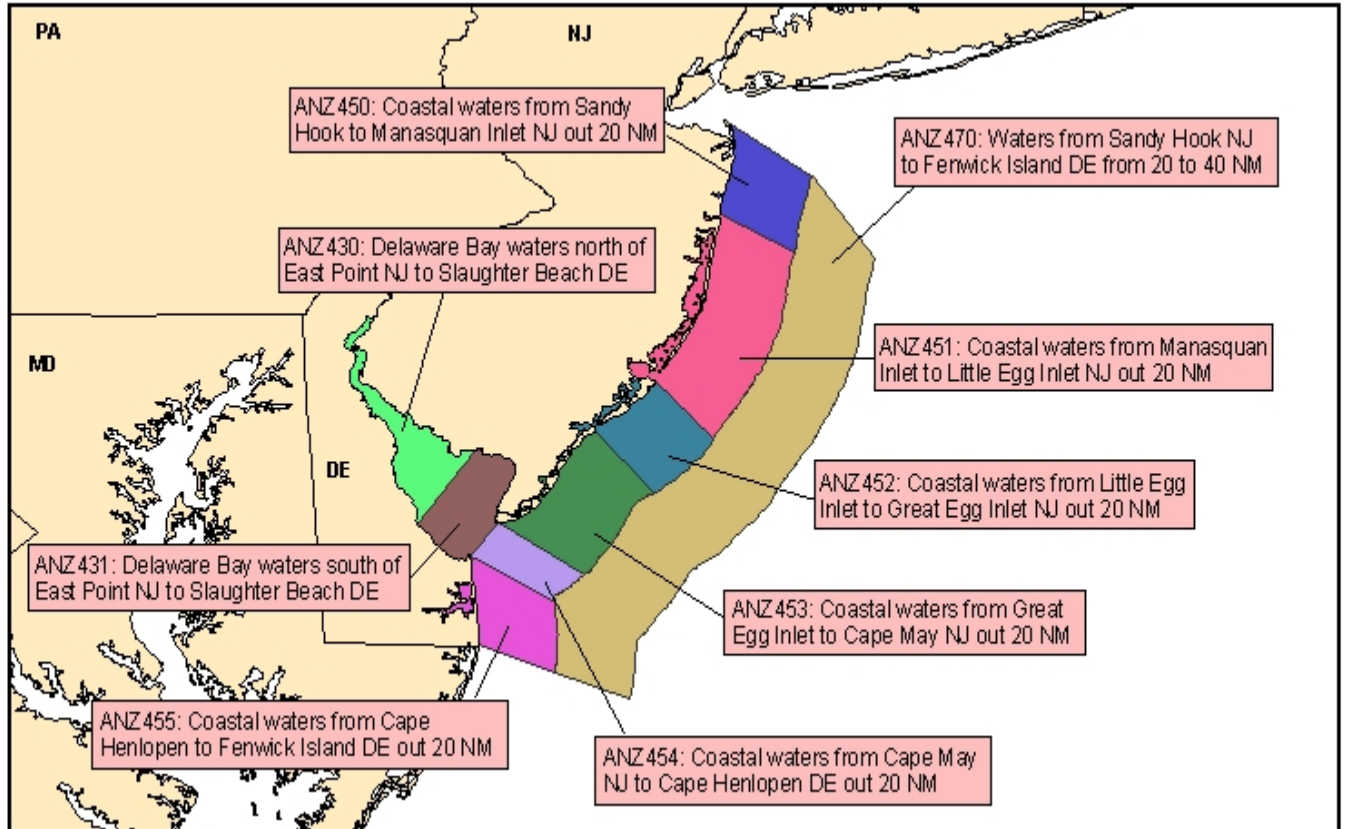
UPTON, NY (OKX)

AREA OF RESPONSIBILITY BOUNDARIES

Montauk Point, NY to northernmost point on Sandy Hook, NJ, out 20 NM
(40 NM for Special Marine Warnings)

- ANZ300 Synopsis for Long Island waters and New York Harbor
 - ANZ350 Moriches Inlet NY to Montauk Point NY out 20 NM
 - ANZ353 Fire Island Inlet NY to Moriches Inlet NY out 20 NM
 - ANZ355 Sandy Hook NJ to Fire Island Inlet NY out 20 NM
 - ANZ330 Long Island Sound East of New Haven CT/Port Jefferson NY
 - ANZ335 Long Island Sound West of New Haven CT/Port Jefferson NY
 - ANZ338 New York Harbor
 - ANZ340 Peconic and Gardiners Bays
 - ANZ345 South Shore Bays from Jones Inlet through Shinnecock Bay
 - ANZ370* *Waters from Montauk Point NY to Sandy Hook NJ from 20 to 40 NM
- *For Special Marine Warning purposes only.

MARINE ZONES FOR WFO MT HOLLY, NJ



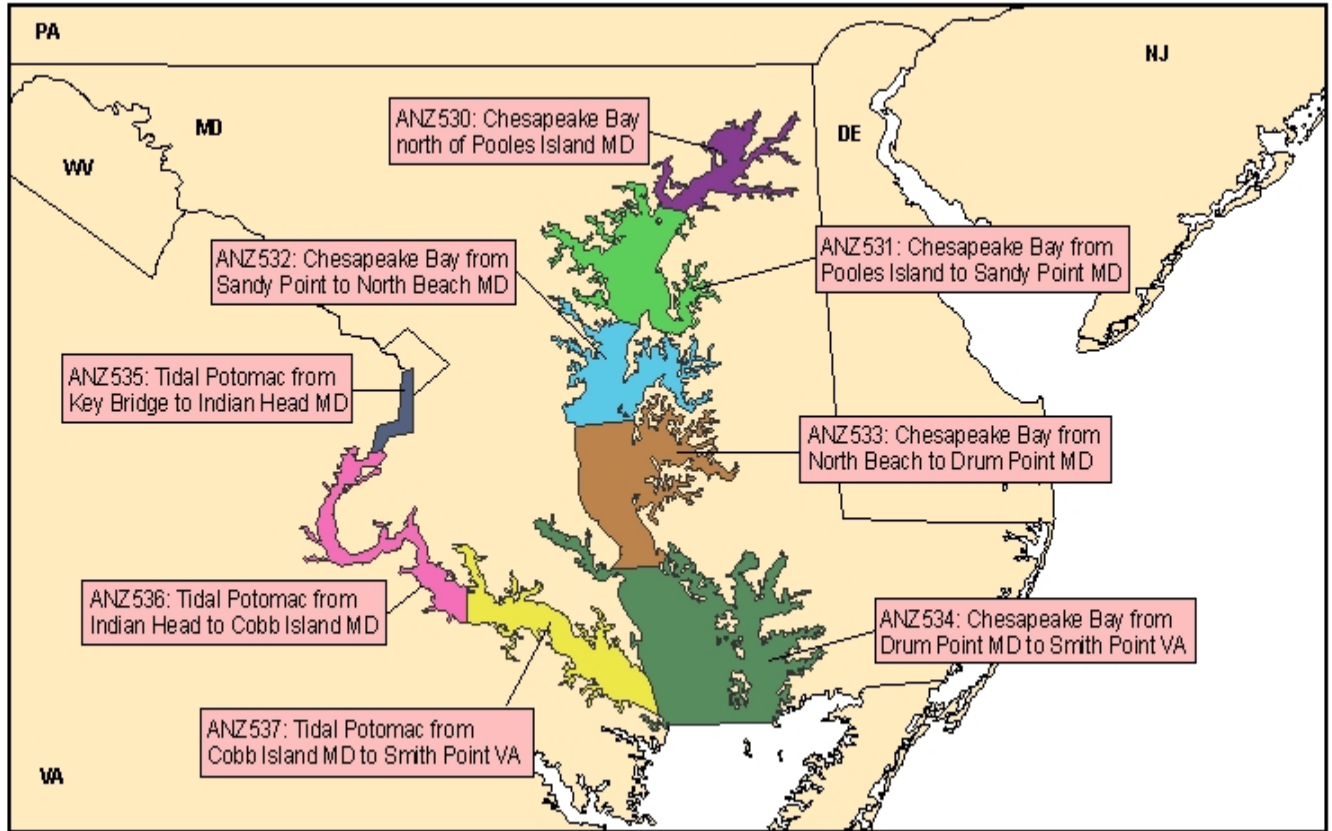
MT. HOLLY, NJ (PHI)

AREA OF RESPONSIBILITY BOUNDARIES

Northernmost point on Sandy Hook, NJ to MD-DE border, out 20 NM
(40 NM for Special Marine Warnings)

- ANZ400 Synopsis for the coastal waters from Sandy Hook NJ to Fenwick Island DE and for Delaware Bay
 - ANZ450 Coastal waters from Sandy Hook to Manasquan Inlet NJ out 20 NM
 - ANZ451 Coastal waters from Manasquan Inlet to Little Egg Inlet NJ out 20 NM
 - ANZ452 Coastal waters from Little Egg Inlet to Great Egg Inlet NJ out 20 NM
 - ANZ453 Coastal waters from Great Egg Inlet to Cape May NJ out 20 NM
 - ANZ454 Coastal waters from Cape May NJ to Cape Henlopen DE out 20 NM
 - ANZ455 Coastal waters from Cape Henlopen to Fenwick Island DE out 20 NM
 - ANZ430 Delaware Bay waters north of East Point NJ to Slaughter Beach DE
 - ANZ431 Delaware Bay waters south of East Point NJ to Slaughter Beach DE
 - ANZ470* *Waters from Sandy Hook NJ to Fenwick Island DE from 20 to 40 NM
- *For Special Marine Warning purposes only.

MARINE ZONES FOR WFO STERLING, VA



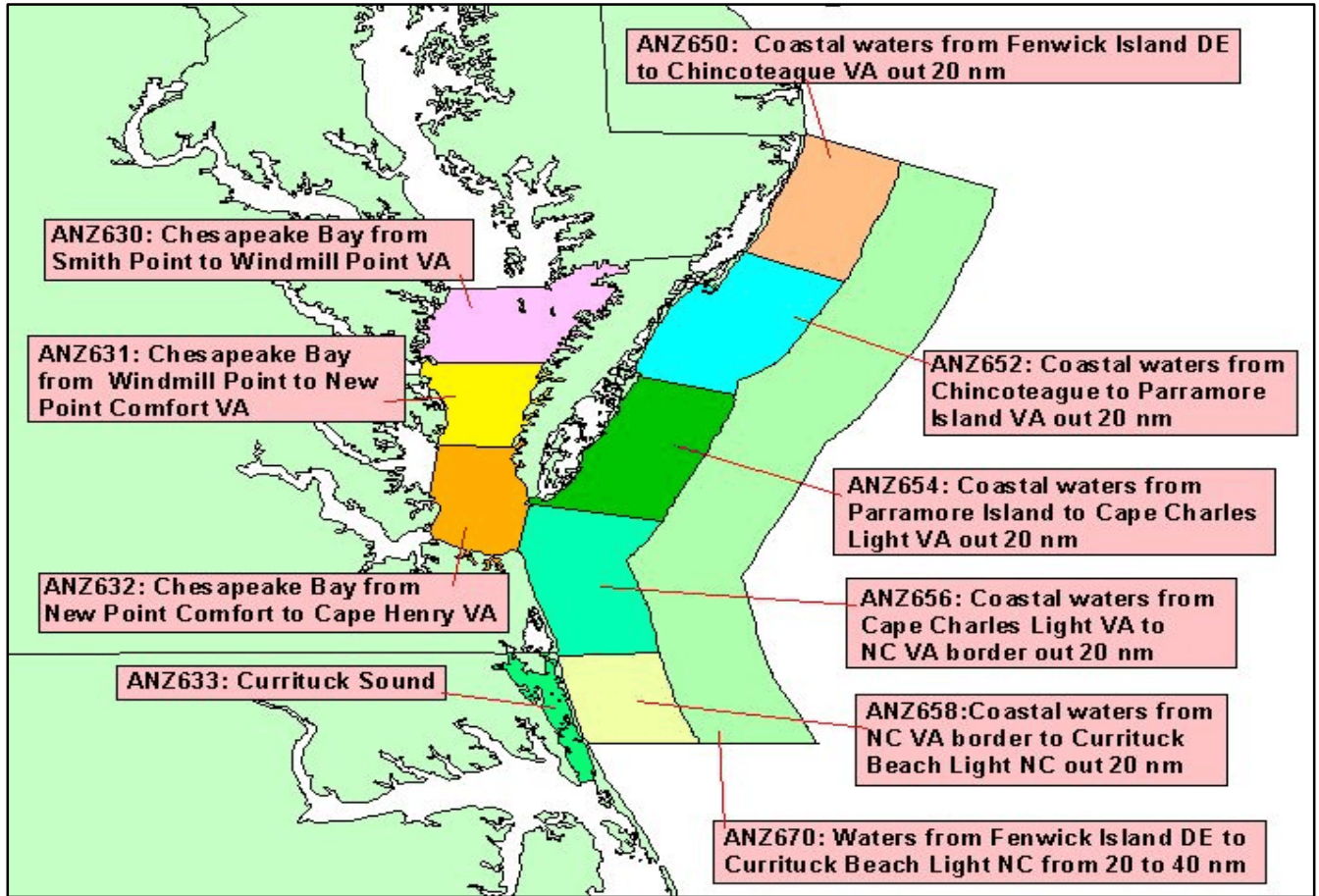
STERLING, VA (LWX)

AREA OF RESPONSIBILITY BOUNDARIES

Chesapeake Bay north of VA-MD border South of Susquehanna River, including Potomac River

- ANZ500 Synopsis for the Tidal Potomac and MD portion of Chesapeake Bay
- ANZ530 Chesapeake Bay north of Pooles Island MD
- ANZ531 Chesapeake Bay from Pooles Island to Sandy Point MD
- ANZ532 Chesapeake Bay from Sandy Point to North Beach MD
- ANZ533 Chesapeake Bay from North Beach to Drum Point MD
- ANZ534 Chesapeake Bay from Drum Point MD to Smith Point VA
- ANZ535 Tidal Potomac from Key Bridge to Indian Head MD
- ANZ536 Tidal Potomac from Indian Head to Cobb Island MD
- ANZ537 Tidal Potomac from Cobb Island MD to Smith Point VA

MARINE ZONES FOR WFO WAKEFIELD, VA



WAKEFIELD, VA (AKQ)

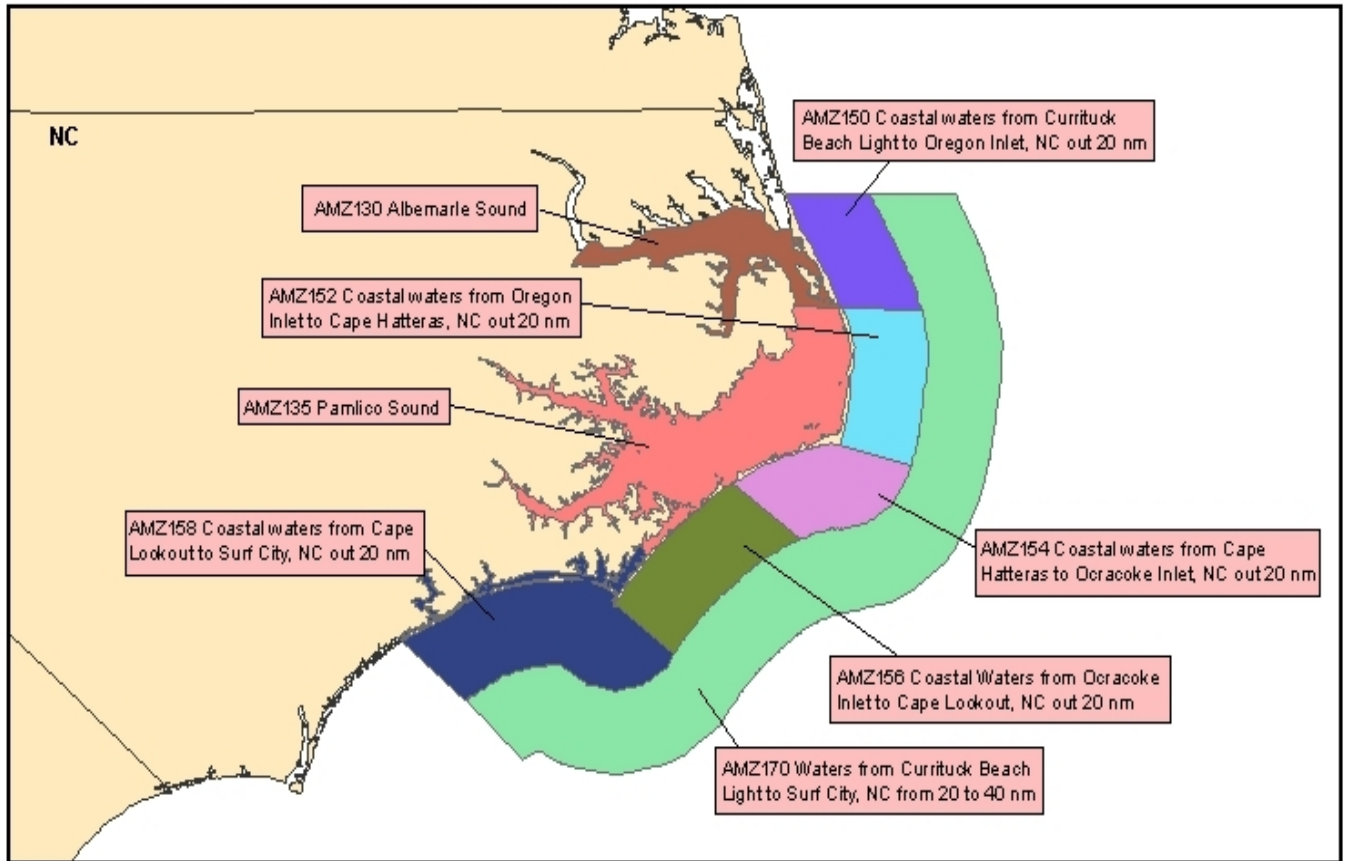
AREA OF RESPONSIBILITY BOUNDARIES

Chesapeake Bay south of VA-MD border to west of a line from Cape Henry to Cape Charles Light, VA
 MD-DE border to Dare-Currituck NC county line, out 20 NM including Currituck Sound
 (40 NM for Special Marine Warnings)

- ANZ600 Synopsis for Fenwick Island DE to Currituck Beach Light NC out 20 NM including Virginia portion of the Chesapeake Bay and Currituck Sound
- ANZ630 Chesapeake Bay from Smith Point to Windmill Point VA
- ANZ631 Chesapeake Bay from Windmill Point to New Point Comfort VA
- ANZ632 Chesapeake Bay from New Point Comfort to Cape Henry VA
- ANZ650 Coastal waters from Fenwick Island DE to Chincoteague VA out 20 NM
- ANZ652 Coastal waters from Chincoteague to Parramore Island VA out 20 NM
- ANZ654 Coastal waters from Parramore Island to Cape Charles Light VA out 20 NM
- ANZ656 Coastal waters from Cape Charles Light VA to NC VA border out 20 NM
- ANZ658 Coastal waters from NC VA border to Currituck Beach Light NC out 20 NM
- ANZ633 Currituck Sound
- ANZ670* *Waters from Fenwick Island DE to Currituck Beach Light NC from 20 to 40 NM

*For Special Marine Warning purposes only.

MARINE ZONES FOR WFO MOREHEAD CITY, NC



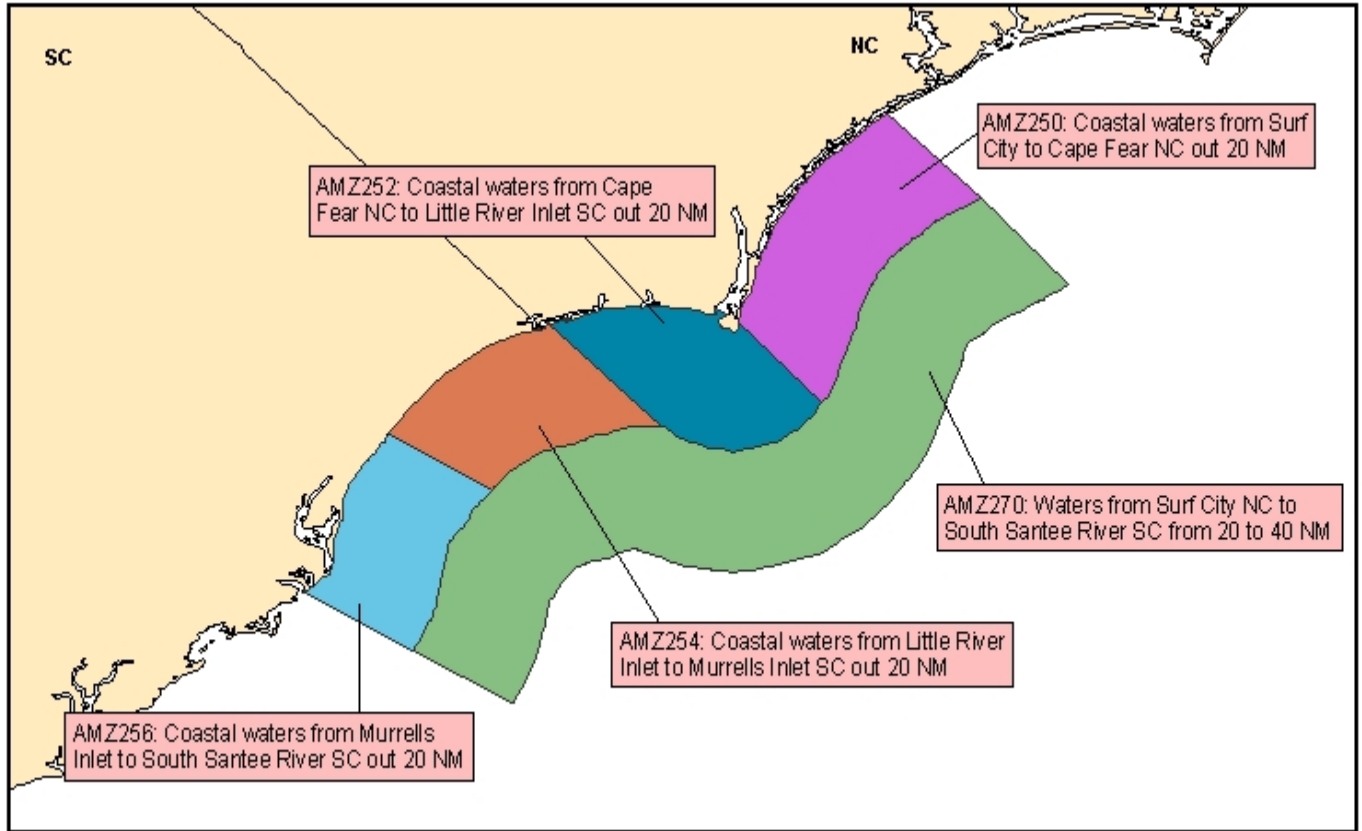
MOREHEAD CITY, NC (MHX)

AREA OF RESPONSIBILITY BOUNDARIES

Dare-Currituck, NC, county line to Pender-Onslow, NC, county line, out 20 NM, including Albemarle Sound and Pamlico Sound (40 NM for Special Marine Warnings)
Includes the Monitor National Marine Sanctuary

- AMZ100 Synopsis for eastern North Carolina coastal waters
 - AMZ150 Coastal waters from Currituck Beach Light to Oregon Inlet NC out 20 NM
 - AMZ152 Coastal waters from Oregon Inlet to Cape Hatteras NC out 20 NM
 - AMZ154 Coastal waters from Cape Hatteras to Ocracoke Inlet NC out 20 NM
 - AMZ156 Coastal waters from Ocracoke Inlet to Cape Lookout NC out 20 NM
 - AMZ158 Coastal waters from Cape Lookout to Surf City NC out 20 NM
 - AMZ130 Albemarle Sound
 - AMZ135 Pamlico Sound
 - AMZ170* *Waters from Currituck Beach Light to Surf City, NC from 20 to 40 NM
- *For Special Marine Warning purposes only.

MARINE ZONES FOR WFO WILMINGTON, NC



WILMINGTON, NC (ILM)

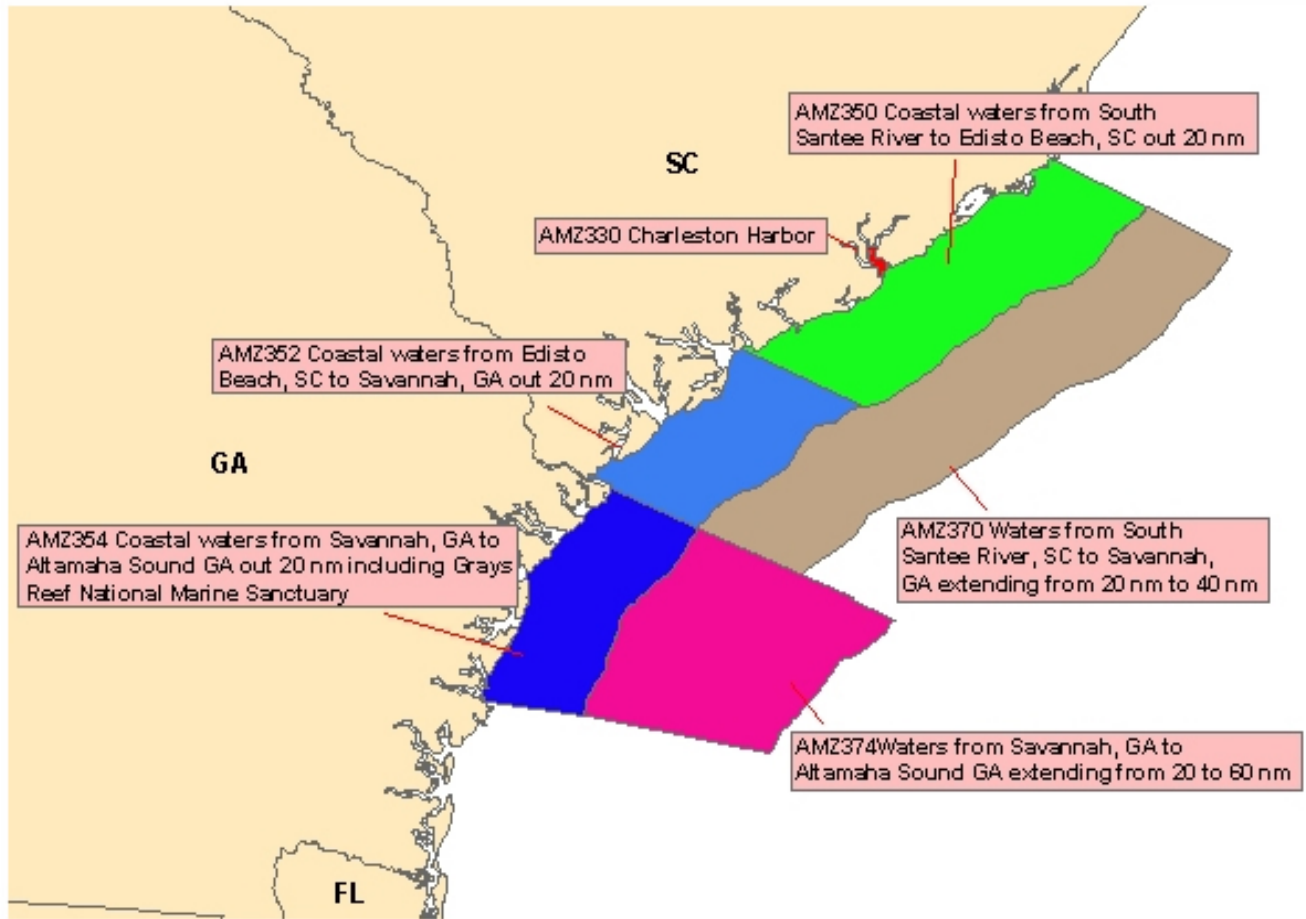
AREA OF RESPONSIBILITY BOUNDARIES

Pender-Onslow, NC, county line to Georgetown-Charleston, SC, county line, out 20 NM
(40 NM for Special Marine Warnings)

- AMZ200 Synopsis for coastal waters from Surf City North Carolina to South Santee River South Carolina out to 20 NM
- AMZ250 Coastal waters from Surf City to Cape Fear NC out 20 NM
- AMZ252 Coastal waters from Cape Fear NC to Little River Inlet SC out 20 NM
- AMZ254 Coastal waters from Little River Inlet to Murrells Inlet SC out 20 NM
- AMZ256 Coastal waters from Murrells Inlet to South Santee River SC out 20 NM
- AMZ270* *Waters from Surf City NC to South Santee River SC from 20 to 40 NM

*For Special Marine Warning purposes only.

MARINE ZONES FOR WFO CHARLESTON, SC



CHARLESTON, SC (CHS)

AREA OF RESPONSIBILITY BOUNDARIES

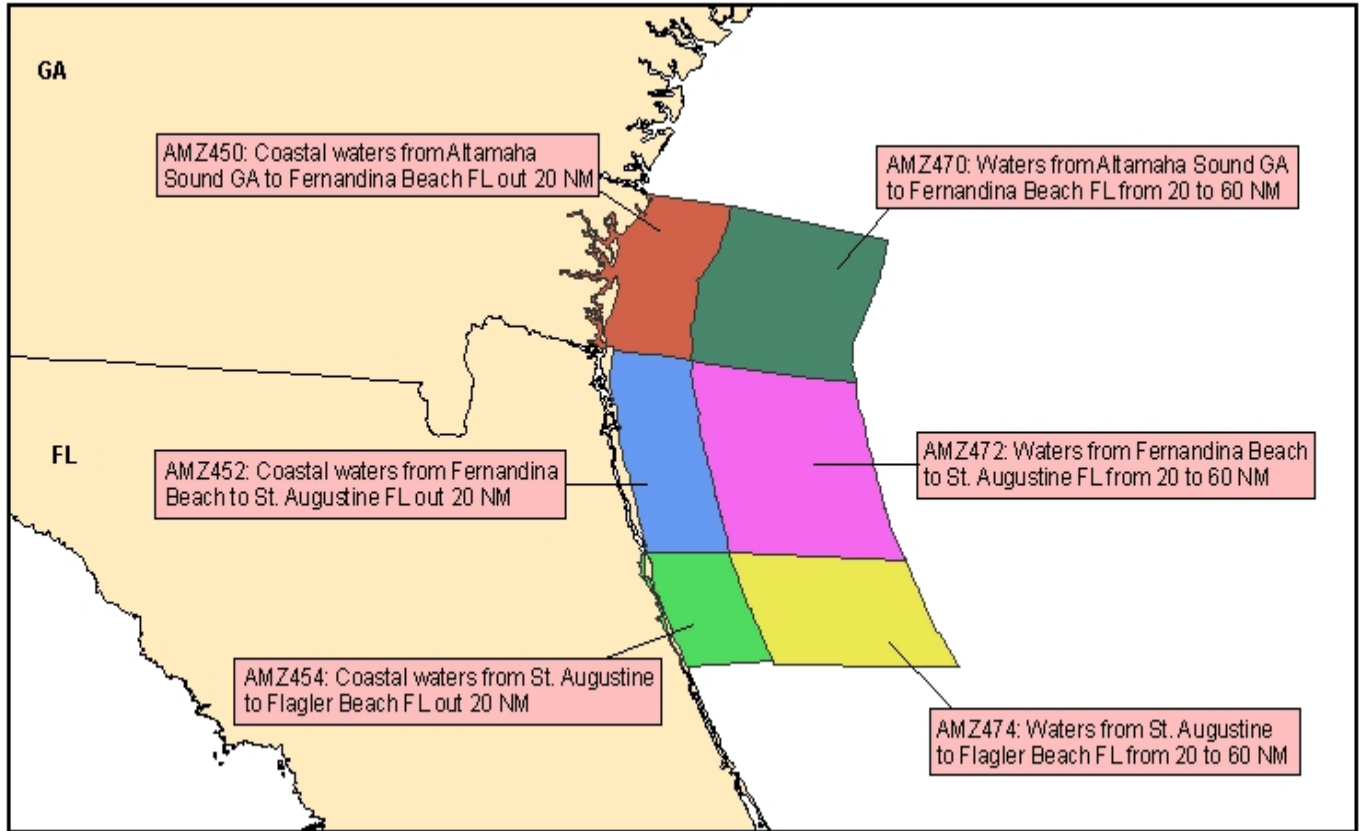
Georgetown-Charleston, SC, county line to SC-GA border, out 20 NM, including Charleston Harbor. (40 NM for Special Marine Warnings)

SC-GA border to Glynn-McIntosh, GA, county line, out 60 NM

Includes the Grays Reef National Marine Sanctuary

- AMZ300 Synopsis for southern South Carolina and northern Georgia waters
 - AMZ350 Coastal waters from South Santee River to Edisto Beach SC out 20 NM
 - AMZ352 Coastal waters from Edisto Beach SC to Savannah GA out 20 NM
 - AMZ330 Charleston Harbor
 - AMZ370* *Waters from South Santee River SC to Savannah GA from 20 to 40 NM
 - AMZ354 Coastal waters from Savannah to Altamaha Sound GA out 20 NM...including Grays Reef National Marine Sanctuary
 - AMZ374 Waters from Savannah to Altamaha Sound GA from 20 to 60 NM
- *For Special Marine Warning purposes only.

MARINE ZONES FOR WFO JACKSONVILLE, FL



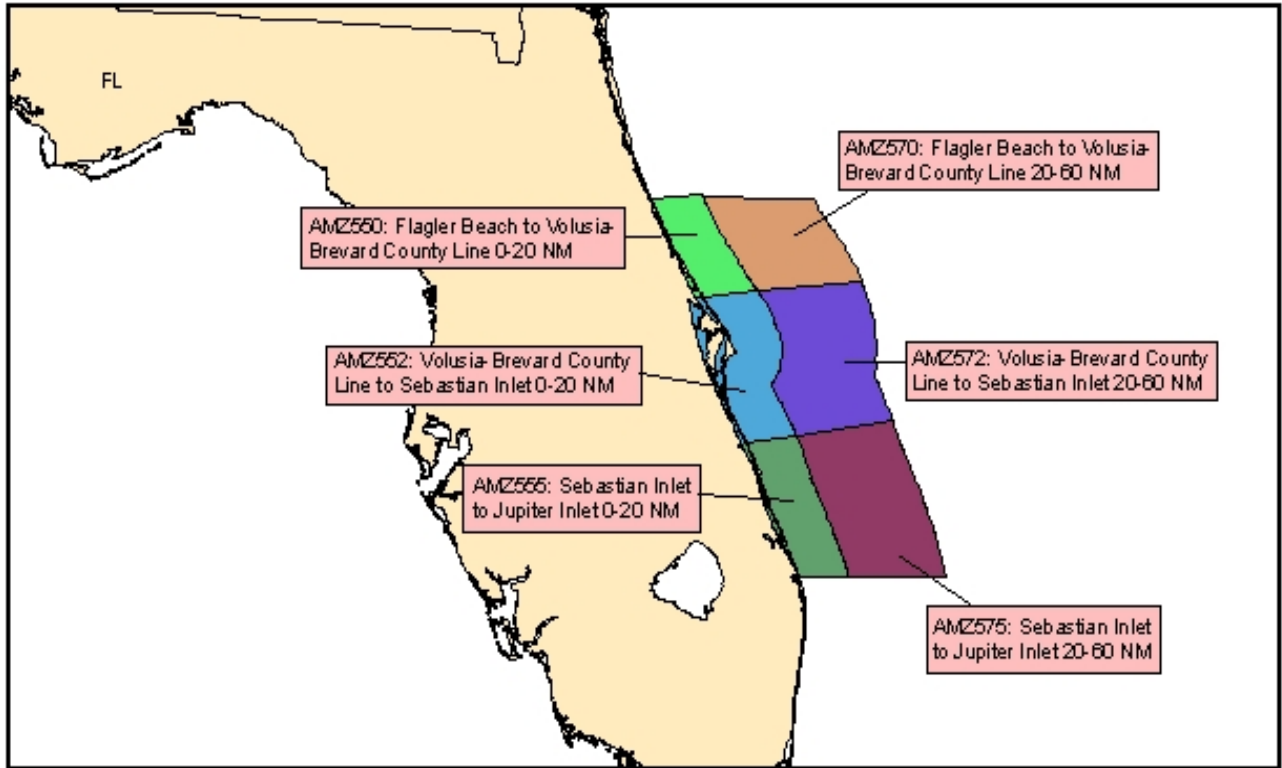
JACKSONVILLE, FL (JAX)

AREA OF RESPONSIBILITY BOUNDARIES

Glynn-McIntosh, GA, county line to Volusia-Flagler, FL, county line, out to 60 NM

- AMZ400 Synopsis for Altamaha Sound GA to Flagler Beach FL out 60 NM
- AMZ450 Coastal waters from Altamaha Sound GA to Fernandina Beach FL out 20 NM
- AMZ470 Waters from Altamaha Sound GA to Fernandina Beach FL from 20 to 60 NM
- AMZ452 Coastal waters from Fernandina Beach to St. Augustine FL out 20 NM
- AMZ472 Waters from Fernandina Beach to St. Augustine FL from 20 to 60 NM
- AMZ454 Coastal waters from St. Augustine to Flagler Beach FL out 20 NM
- AMZ474 Waters from St. Augustine to Flagler Beach FL from 20 to 60 NM

MARINE ZONES FOR WFO MELBOURNE, FL



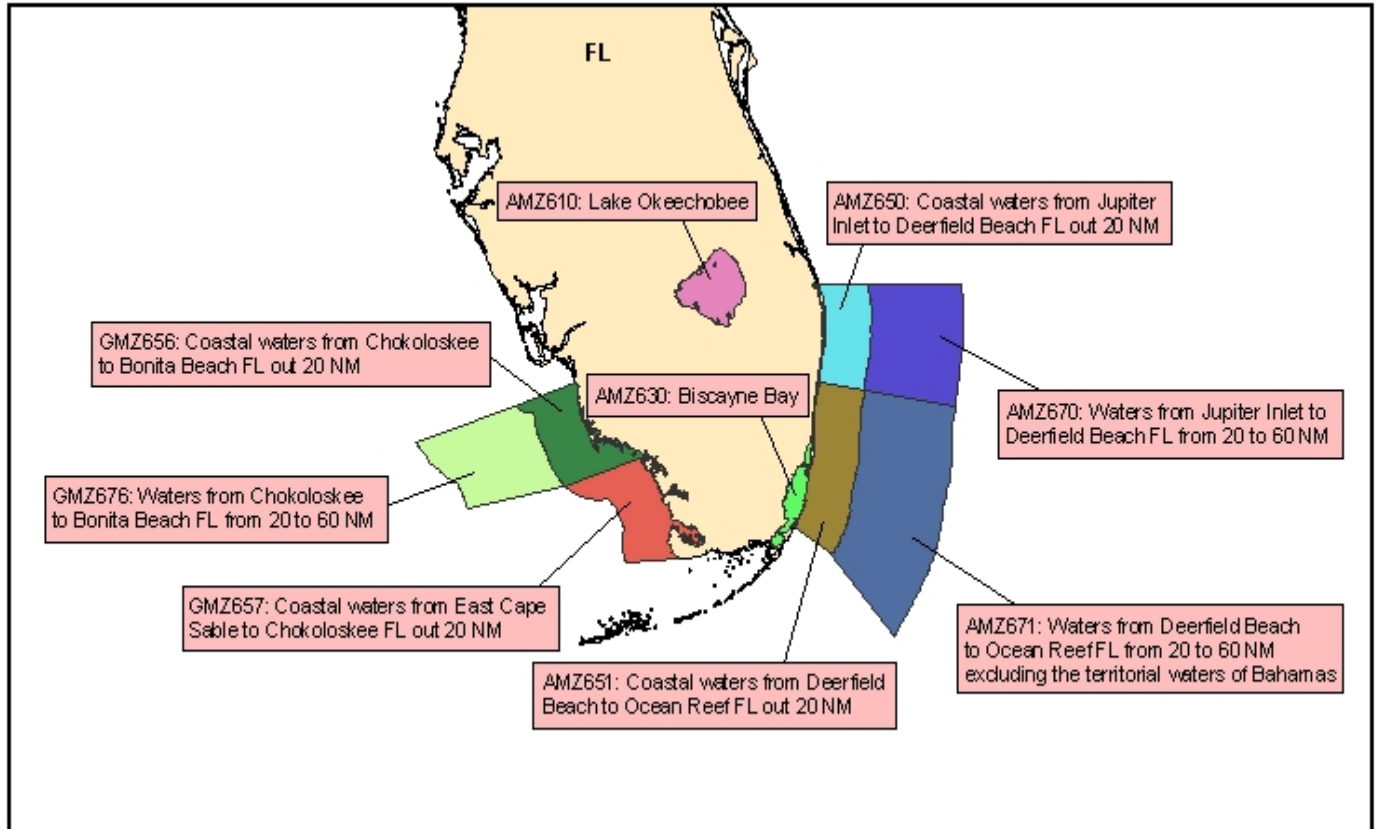
MELBOURNE, FL (MLB)

AREA OF RESPONSIBILITY BOUNDARIES

Volusia-Flagler, FL, county line to Martin-Palm Beach, FL, county line, out 60 NM

- AMZ500 Synopsis for Flagler Beach to Jupiter Inlet FL out 60 NM
- AMZ550 Flagler Beach to Volusia-Brevard County Line 0-20 NM
- AMZ552 Volusia-Brevard County Line to Sebastian Inlet 0-20 NM
- AMZ555 Sebastian Inlet to Jupiter Inlet 0-20 NM
- AMZ570 Flagler Beach to Volusia-Brevard County Line 20-60 NM
- AMZ572 Volusia-Brevard County Line to Sebastian Inlet 20-60 NM
- AMZ575 Sebastian Inlet to Jupiter Inlet 20-60 NM

MARINE ZONES FOR WFO MIAMI, FL



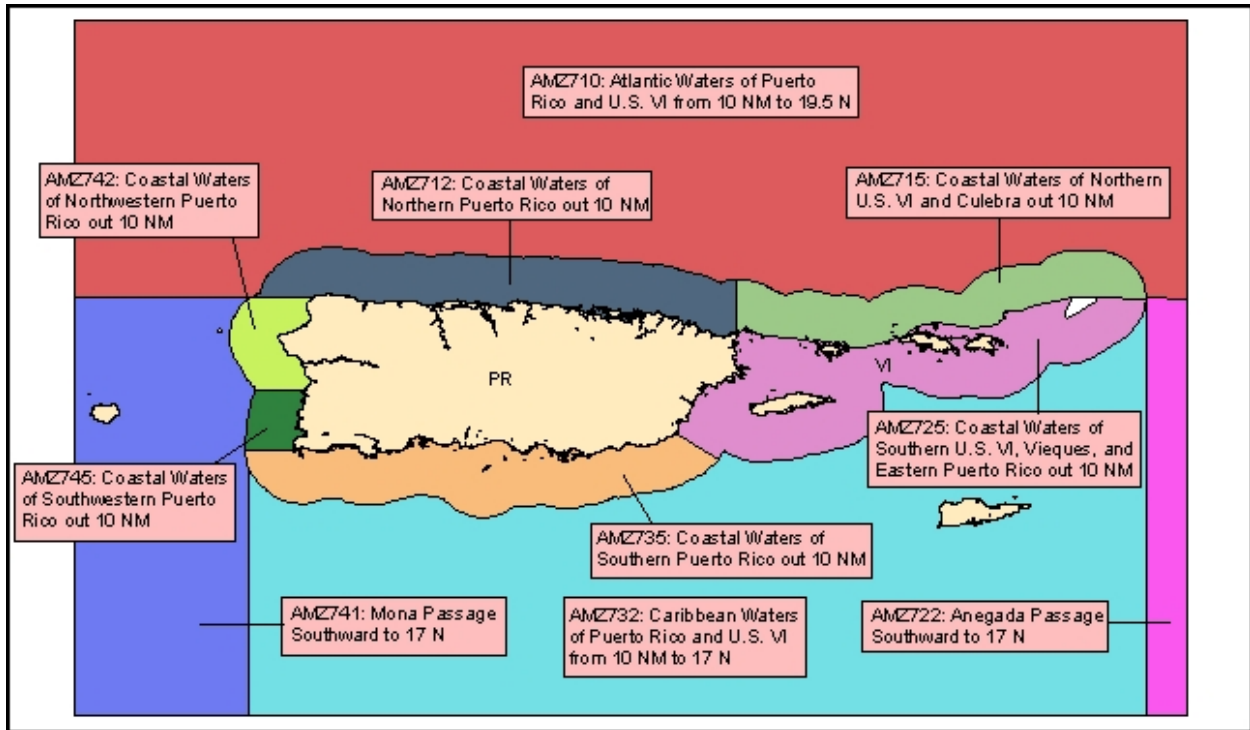
MIAMI, FL (MFL)

AREA OF RESPONSIBILITY BOUNDARIES

Martin-Palm Beach, FL, county line to Lee-Collier, FL, county line, excluding Florida Bay and the Keys, out 60 NM

- | | |
|--------|--|
| AMZ600 | Synopsis for Jupiter Inlet to Ocean Reef FL including Biscayne Bay out 60 NM |
| AMZ610 | Lake Okeechobee |
| AMZ650 | Coastal waters from Jupiter Inlet to Deerfield Beach FL out 20 NM |
| AMZ670 | Waters from Jupiter Inlet to Deerfield Beach FL from 20 to 60 NM |
| AMZ630 | Biscayne Bay |
| AMZ651 | Coastal waters from Deerfield Beach to Ocean Reef FL out 20 NM |
| AMZ671 | Waters from Deerfield Beach to Ocean Reef FL from 20 to 60 NM, excluding the territorial waters of the Bahamas |
| GMZ606 | Synopsis for East Cape Sable to Bonita Beach FL out 60 NM |
| GMZ656 | Coastal waters from Chokoloskee to Bonita Beach FL out 20 NM |
| GMZ657 | Coastal waters from East Cape Sable to Chokoloskee FL out 20 NM |
| GMZ676 | Waters from Chokoloskee to Bonita Beach FL from 20 to 60 NM |

MARINE ZONES FOR WFO SAN JUAN, PR



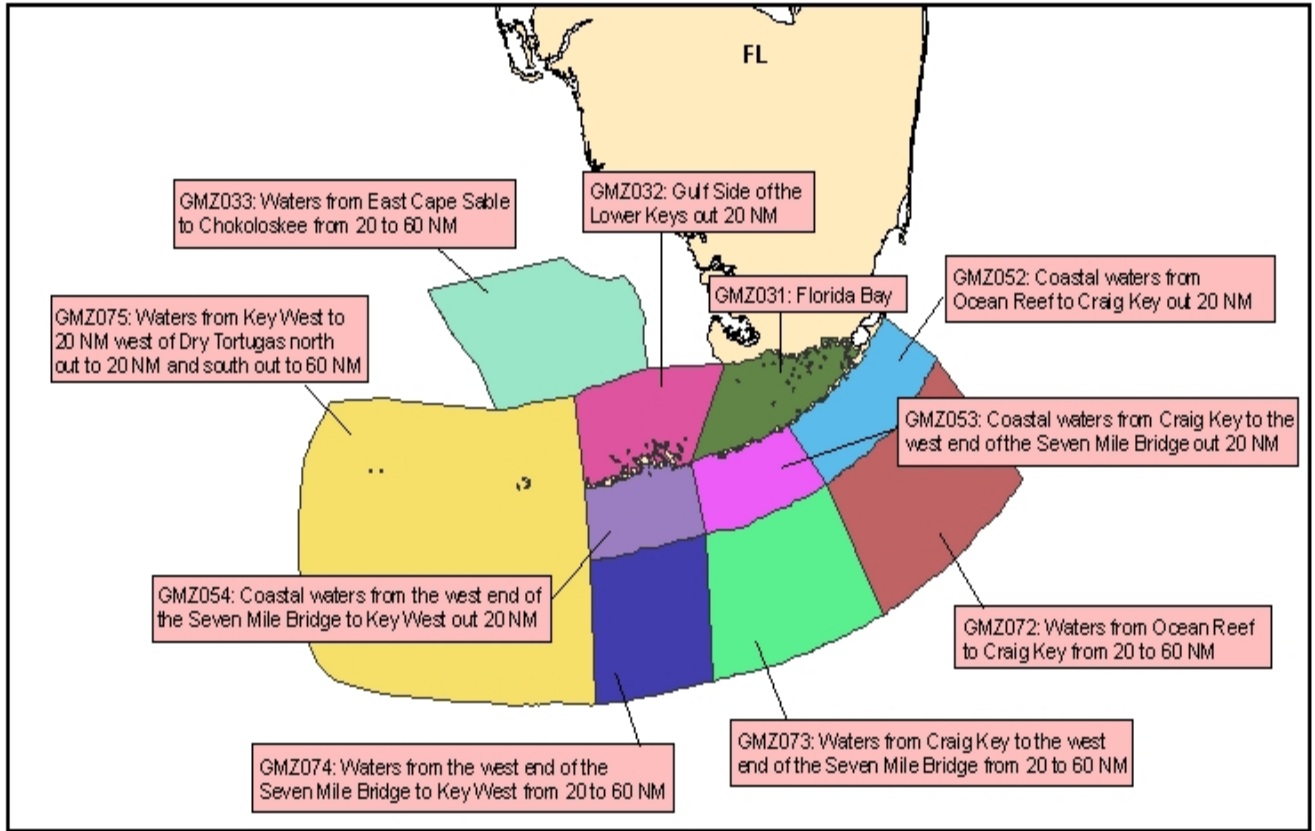
SAN JUAN, PR (SJU)

AREA OF RESPONSIBILITY BOUNDARIES

Puerto Rico and U.S. Virgin Islands Waters

- AMZ700 Synopsis for Puerto Rico and U.S. Virgin Islands waters
- AMZ710 Atlantic Waters of Puerto Rico and U.S. VI from 10 NM to 19.5 N.
- AMZ712 Coastal Waters of Northern Puerto Rico out 10 NM
- AMZ715 Coastal Waters of Northern U.S. VI and Culebra out 10 NM
- AMZ722 Anegada Passage Southward to 17 N
- AMZ725 Coastal Waters of Southern U.S. VI, Vieques, and Eastern Puerto Rico out 10 NM
- AMZ732 Caribbean Waters of Puerto Rico and U.S. VI from 10 NM to 17 N
- AMZ735 Coastal Waters of Southern Puerto Rico out 10 NM
- AMZ741 Mona Passage Southward to 17 N
- AMZ742 Coastal Waters of Northwestern Puerto Rico out 10 NM
- AMZ745 Coastal Waters of Southwestern Puerto Rico out 10 NM

MARINE ZONES FOR WFO KEY WEST, FL



KEY WEST, FL (KEY)

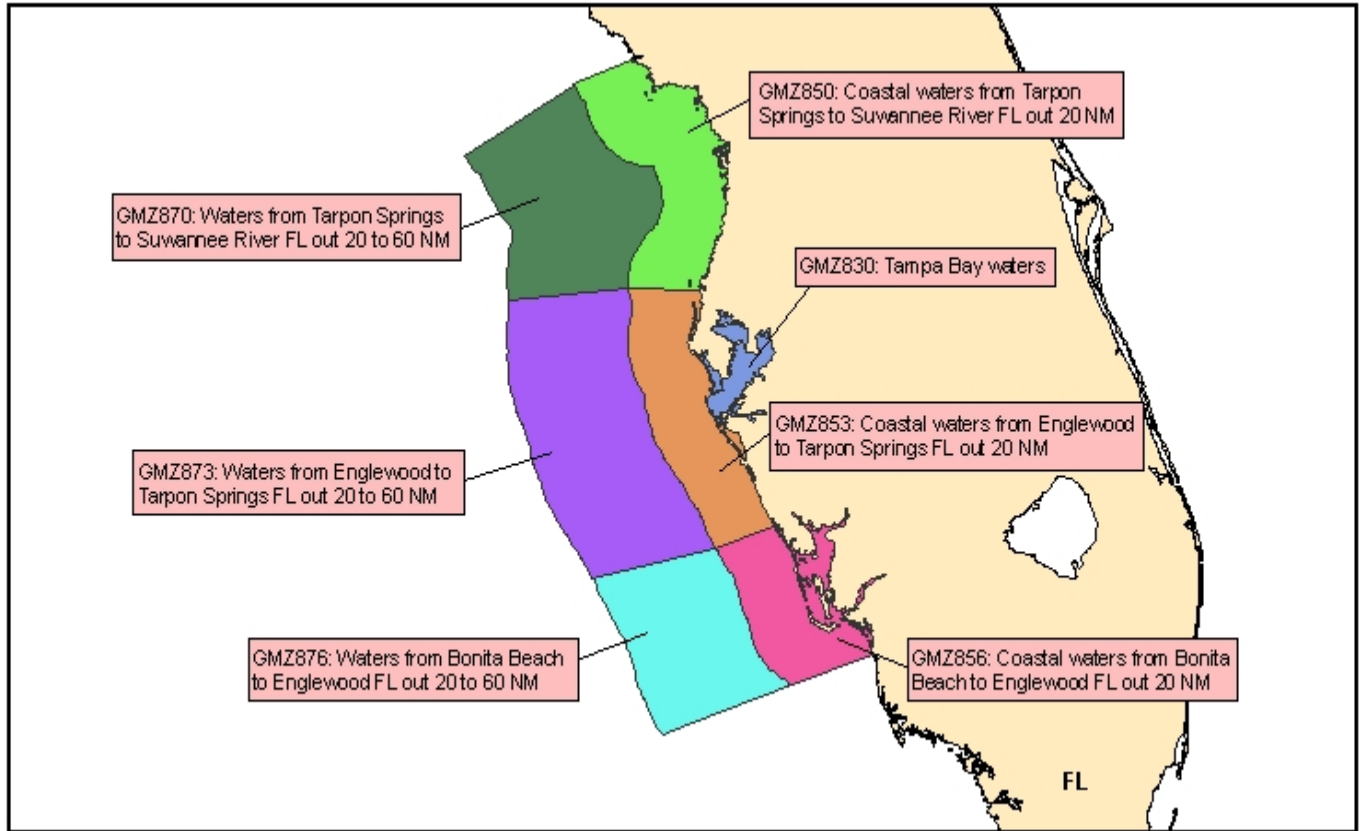
AREA OF RESPONSIBILITY BOUNDARIES

Florida Bay and the Keys

Includes the Florida Keys National Marine Sanctuary

- GMZ005 Synopsis for Florida Keys Coastal Waters
- GMZ052 Coastal waters from Ocean Reef to Craig Key out 20 NM
- GMZ072 Waters from Ocean Reef to Craig Key from 20 to 60 NM
- GMZ031 Florida Bay
- GMZ032 Gulf Side of the Lower Keys out 20 NM
- GMZ053 Coastal waters from Craig Key to the west end of the Seven Mile Bridge out 20 NM
- GMZ073 Waters from Craig Key to the west end of the Seven Mile Bridge from 20 to 60 NM
- GMZ054 Coastal waters from the west end of the Seven Mile Bridge to Key West out 20 NM
- GMZ074 Waters from the west end of the Seven Mile Bridge to Key West from 20 to 60 NM
- GMZ075 Waters from Key West to 20 NM west of Dry Tortugas out to 20 NM and south out to 60 NM
- GMZ033 Waters from East Cape Sable to Chokoloskee from 20 to 60 NM

MARINE ZONES FOR WFO TAMPA, FL



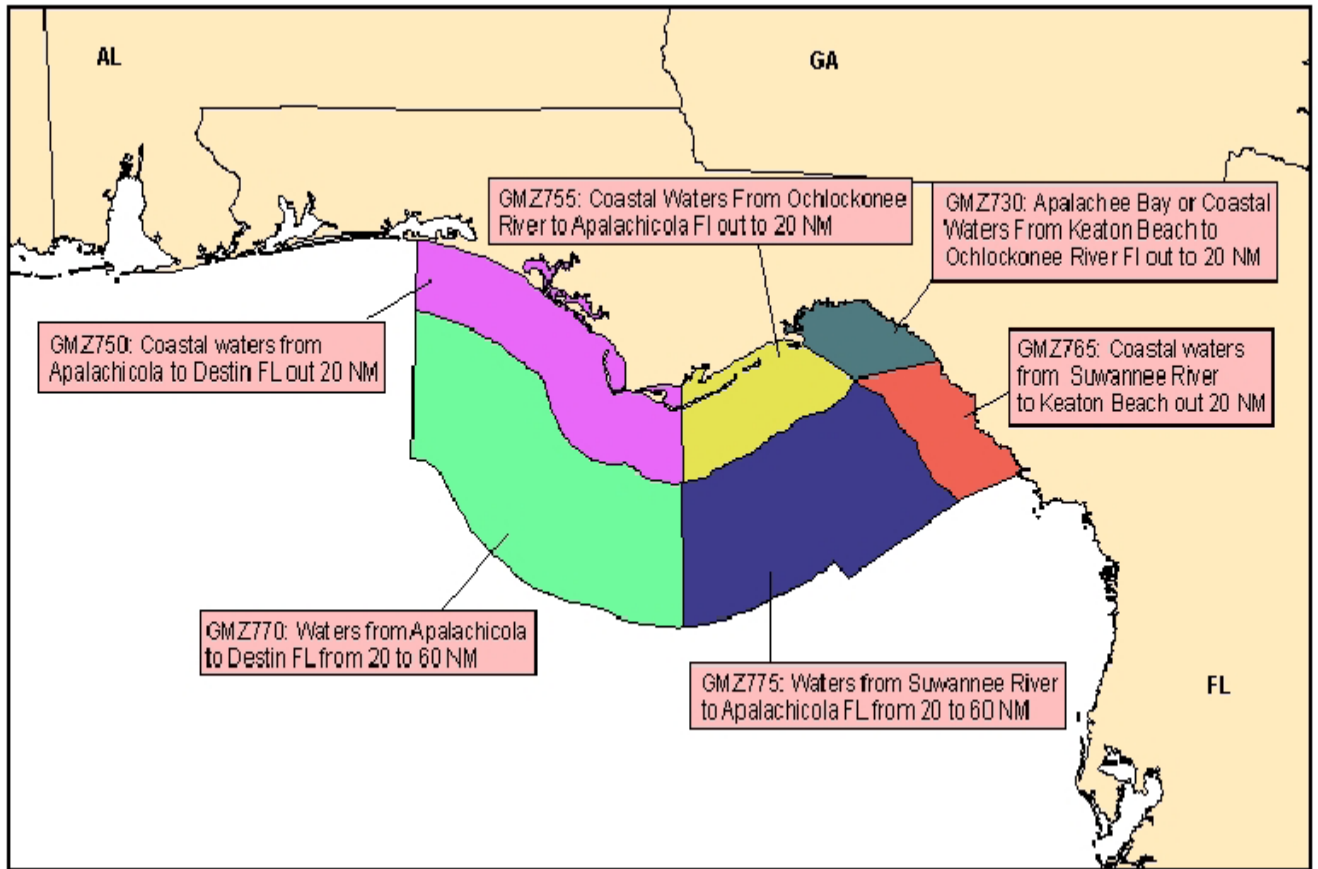
TAMPA, FL (TBW)

AREA OF RESPONSIBILITY BOUNDARIES

Lee-Collier county line to Levy-Dixie, FL county line, out 60 NM

- GMZ800 Synopsis for the coastal waters from Bonita Beach to Suwannee River FL out 60 NM
- GMZ856 Coastal waters from Bonita Beach to Englewood FL out 20 NM
- GMZ876 Waters from Bonita Beach to Englewood FL out 20 to 60 NM
- GMZ830 Tampa Bay waters
- GMZ853 Coastal waters from Englewood to Tarpon Springs FL out 20 NM
- GMZ873 Waters from Englewood to Tarpon Springs FL out 20 to 60 NM
- GMZ850 Coastal waters from Tarpon Springs to Suwannee River FL out 20 NM
- GMZ870 Waters from Tarpon Springs to Suwannee River FL out 20 to 60 NM

MARINE ZONES FOR WFO TALLAHASSEE, FL



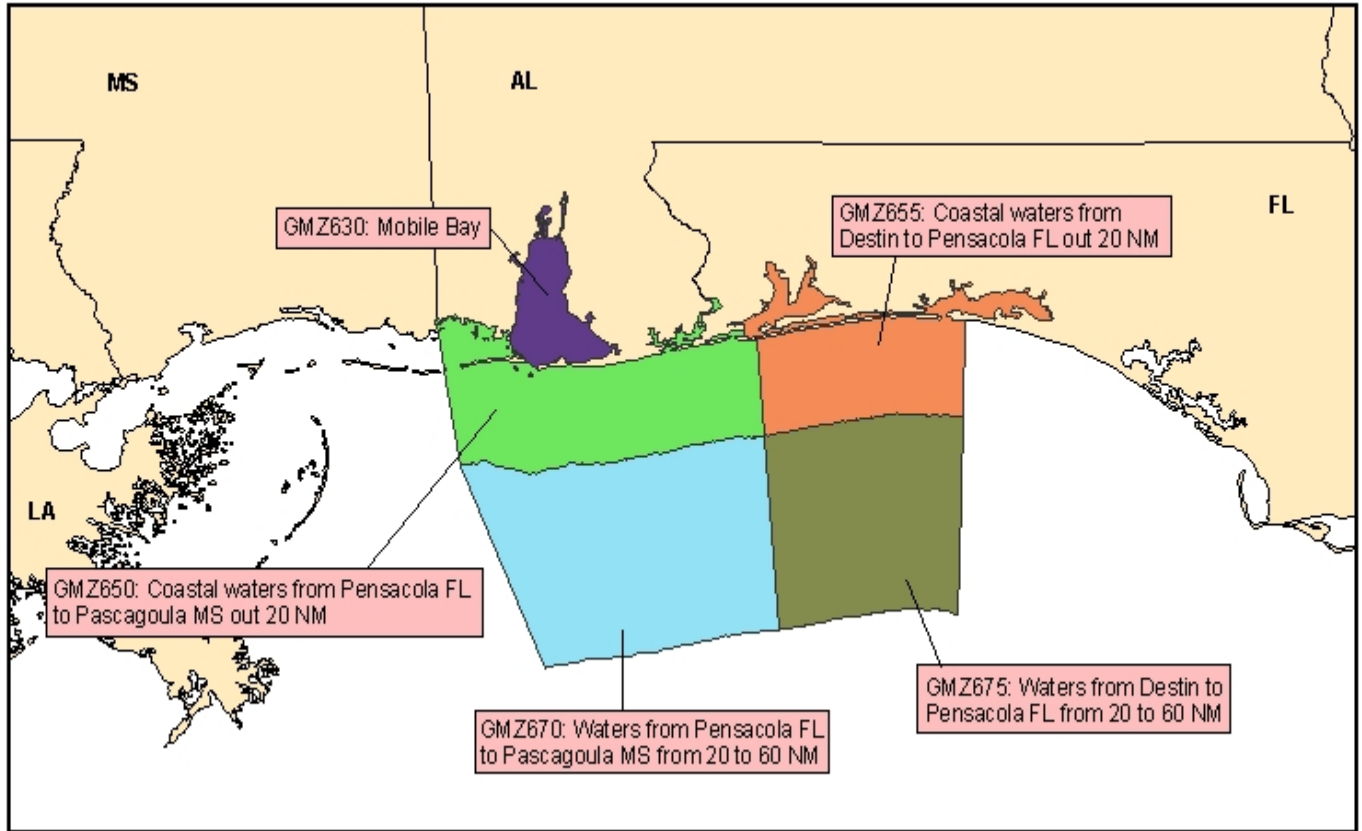
TALLAHASSEE, FL (TAE)

AREA OF RESPONSIBILITY BOUNDARIES

Levy-Dixie county line to Okaloosa-Walton, FL, county line, out 60 NM

- GMZ700 Synopsis for Suwannee River to Destin FL out 60 NM
- GMZ730 Apalachee Bay or Coastal Waters From Keaton Beach to Ochlockonee River FL out to 20 NM
- GMZ755 Coastal Waters from Ochlockonee River to Apalachicola FL out to 20 NM
- GMZ775 Waters from Suwannee River to Apalachicola FL from 20 to 60 NM
- GMZ750 Coastal waters from Apalachicola to Destin FL out 20 NM
- GMZ765 Coastal waters from Suwannee River to Keaton Beach out 20 NM
- GMZ770 Waters from Apalachicola to Destin FL from 20 to 60 NM

MARINE ZONES FOR WFO MOBILE, AL



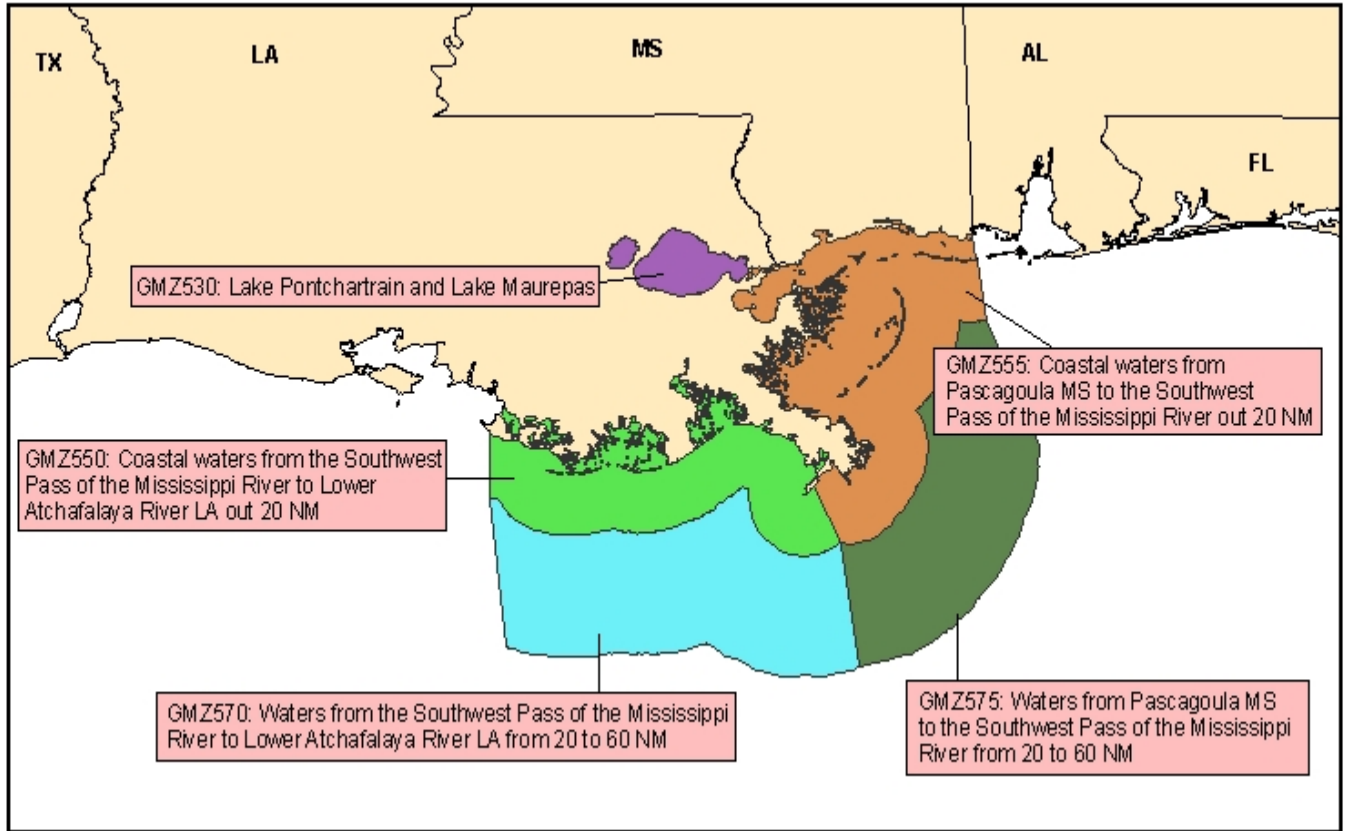
MOBILE, AL (MOB)

AREA OF RESPONSIBILITY BOUNDARIES

Okaloosa-Walton, FL, county line to Alabama-Mississippi state line, out 60 NM

- GMZ600 Synopsis for Destin FL to Pascagoula MS out 60 NM including Mobile Bay
- GMZ655 Coastal waters from Destin to Pensacola FL out 20 NM
- GMZ675 Waters from Destin to Pensacola FL from 20 to 60 NM
- GMZ650 Coastal waters from Pensacola FL to Pascagoula MS out 20 NM
- GMZ670 Waters from Pensacola FL to Pascagoula MS from 20 to 60 NM
- GMZ630 Mobile Bay

MARINE ZONES FOR WFO SLIDELL, LA



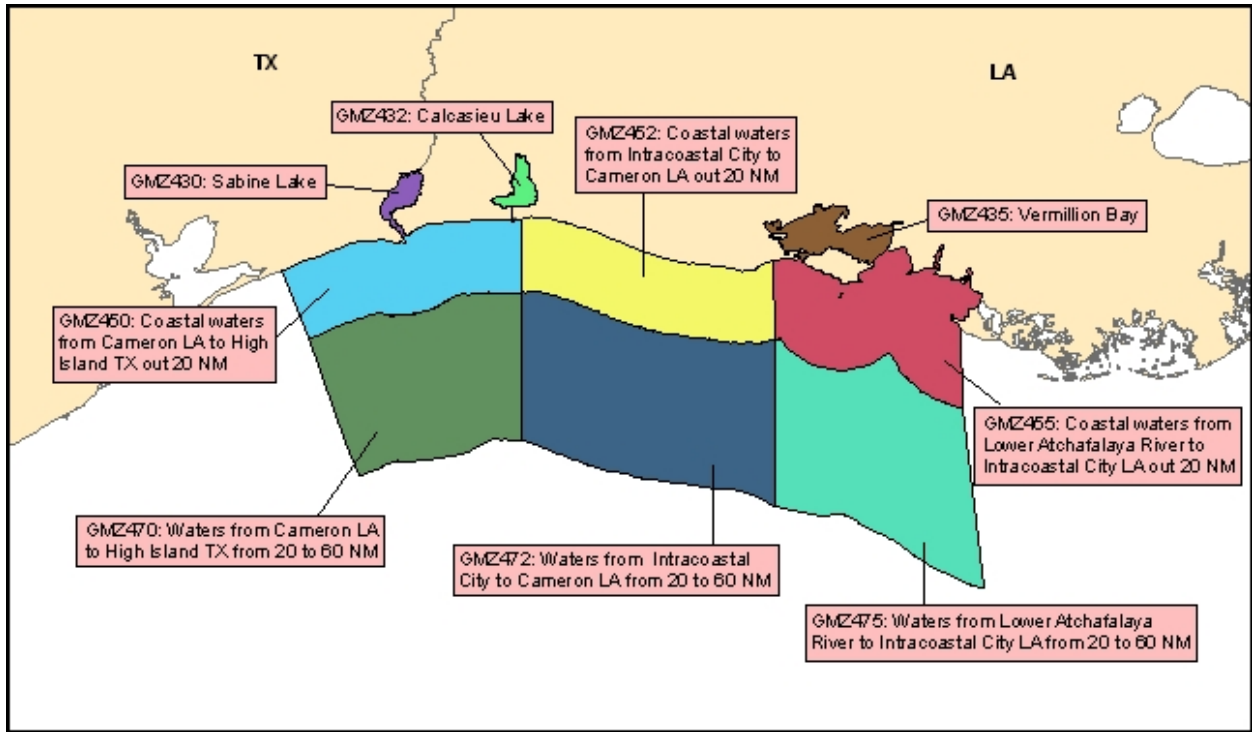
SLIDELL, LA (LIX)

AREA OF RESPONSIBILITY BOUNDARIES

Alabama-Mississippi state line to Terrebone-St. Mary parish line, out 60 NM

- GMZ500 Synopsis Pascagoula to SW Pass Mississippi River
- GMZ501 Synopsis for SW Pass of the Mississippi River to Atchafalaya River
- GMZ530 Lake Pontchartrain and Lake Maurepas
- GMZ555 Coastal waters from Pascagoula MS to the Southwest Pass of the Mississippi River out 20 NM
- GMZ575 Waters from Pascagoula MS to the Southwest Pass of the Mississippi River from 20 to 60 NM
- GMZ550 Coastal waters from the Southwest Pass of the Mississippi River to Lower Atchafalaya River LA out 20 NM
- GMZ570 Waters from the Southwest Pass of the Mississippi River to Lower Atchafalaya River LA from 20 to 60 NM

MARINE ZONES FOR WFO LAKE CHARLES, LA



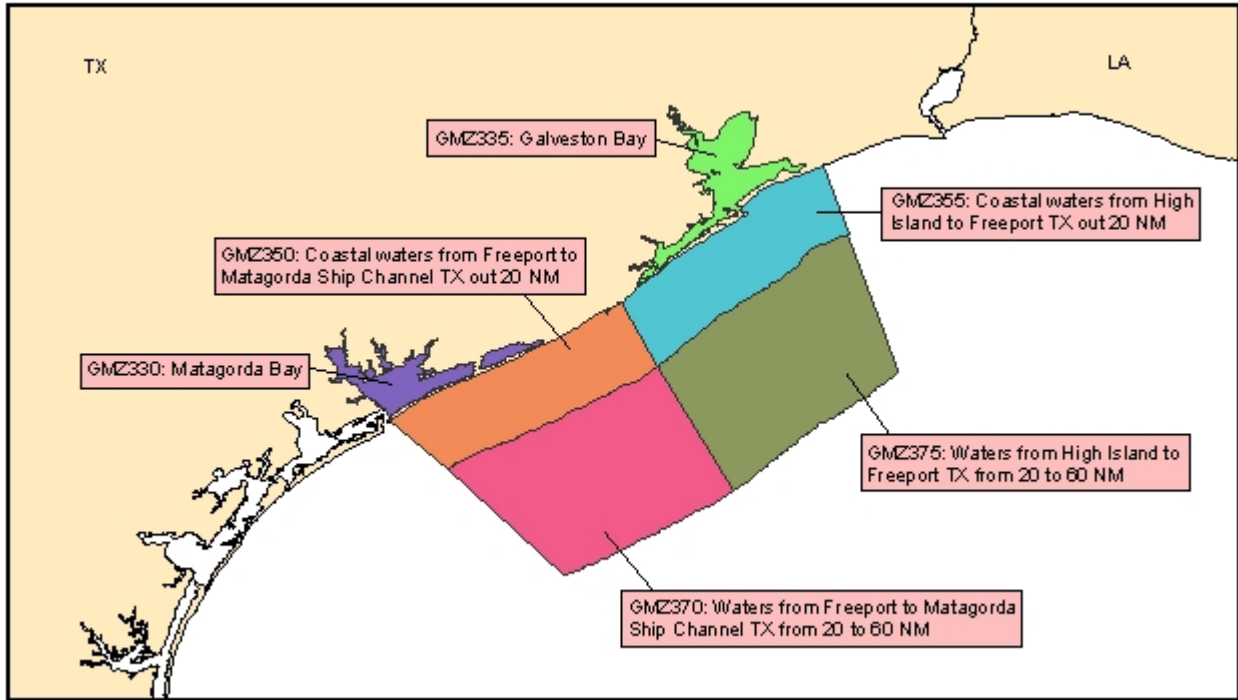
LAKE CHARLES, LA (LCH)

AREA OF RESPONSIBILITY BOUNDARIES

Terrebonne-St. Mary parish line to the Chambers-Jefferson, TX, county line, out 60 NM

- GMZ400 Synopsis for Lower Atchafalaya River LA to High Island TX out 60 NM
- GMZ455 Coastal waters from Lower Atchafalaya River to Intracoastal City LA out 20 NM
- GMZ475 Waters from Lower Atchafalaya River to Intracoastal City LA from 20 to 60 NM
- GMZ452 Coastal waters from Intracoastal City to Cameron LA out 20 NM
- GMZ472 Waters from Intracoastal City to Cameron LA from 20 to 60 NM
- GMZ450 Coastal waters from Cameron LA to High Island TX out 20 NM
- GMZ470 Waters from Cameron LA to High Island TX from 20 to 60 NM
- GMZ430 Sabine Lake
- GMZ432 Calcasieu Lake
- GMZ435 Vermillion Bay

MARINE ZONES FOR WFO HOUSTON-GALVESTON, TX



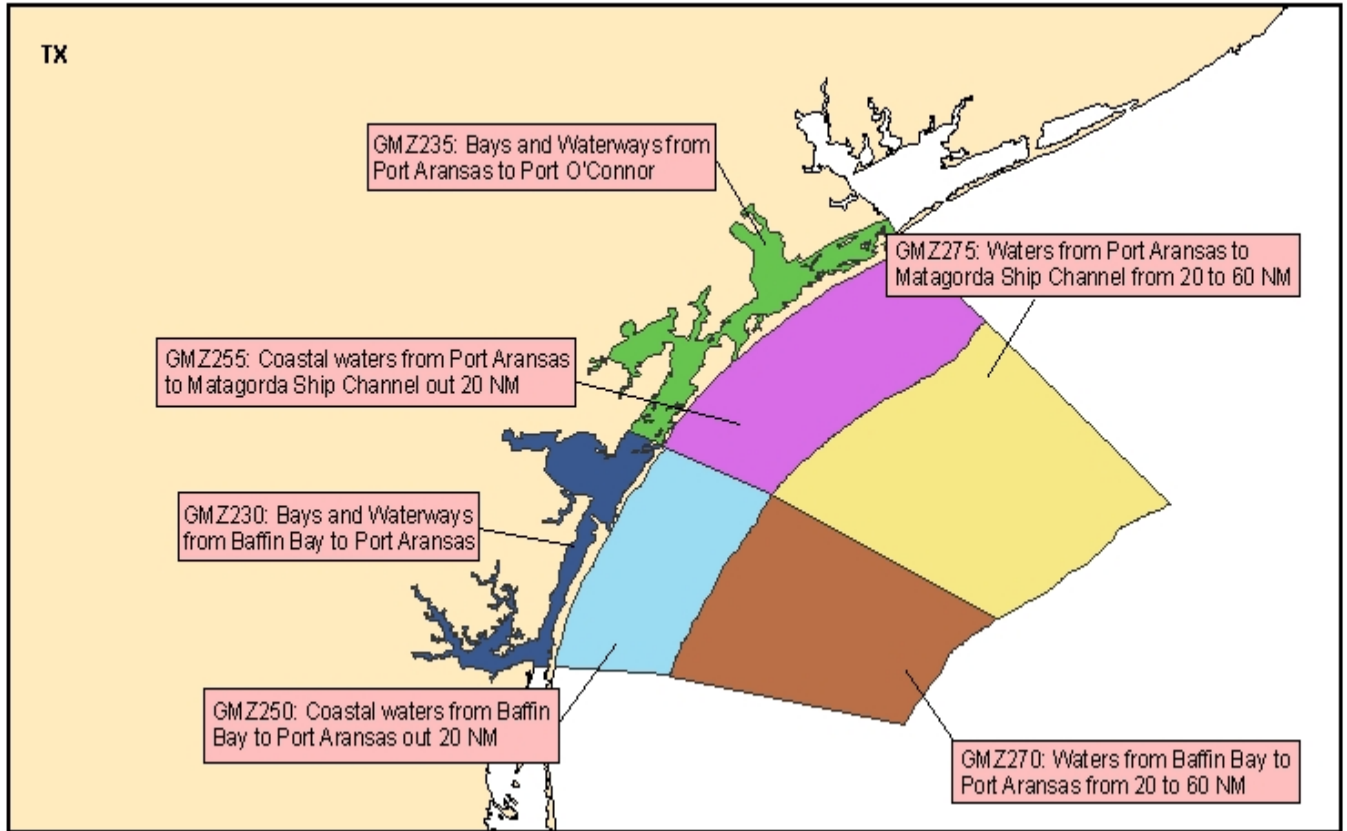
HOUSTON-GALVESTON, TX (HGX)

AREA OF RESPONSIBILITY BOUNDARIES

Chambers-Jefferson county line to Calhoun-Matagorda, TX, county line, out 60 NM

- GMZ300 Synopsis for High Island to Matagorda Ship Channel out 60 NM, including Galveston and Matagorda Bays
- GMZ335 Galveston Bay
- GMZ355 Coastal waters from High Island to Freeport TX out 20 NM
- GMZ375 Waters from High Island to Freeport TX from 20 to 60 NM
- GMZ330 Matagorda Bay
- GMZ350 Coastal waters from Freeport to Matagorda Ship Channel TX out 20 NM
- GMZ370 Waters from Freeport to Matagorda Ship Channel TX from 20 to 60 NM

MARINE ZONES FOR WFO CORPUS CHRISTI, TX



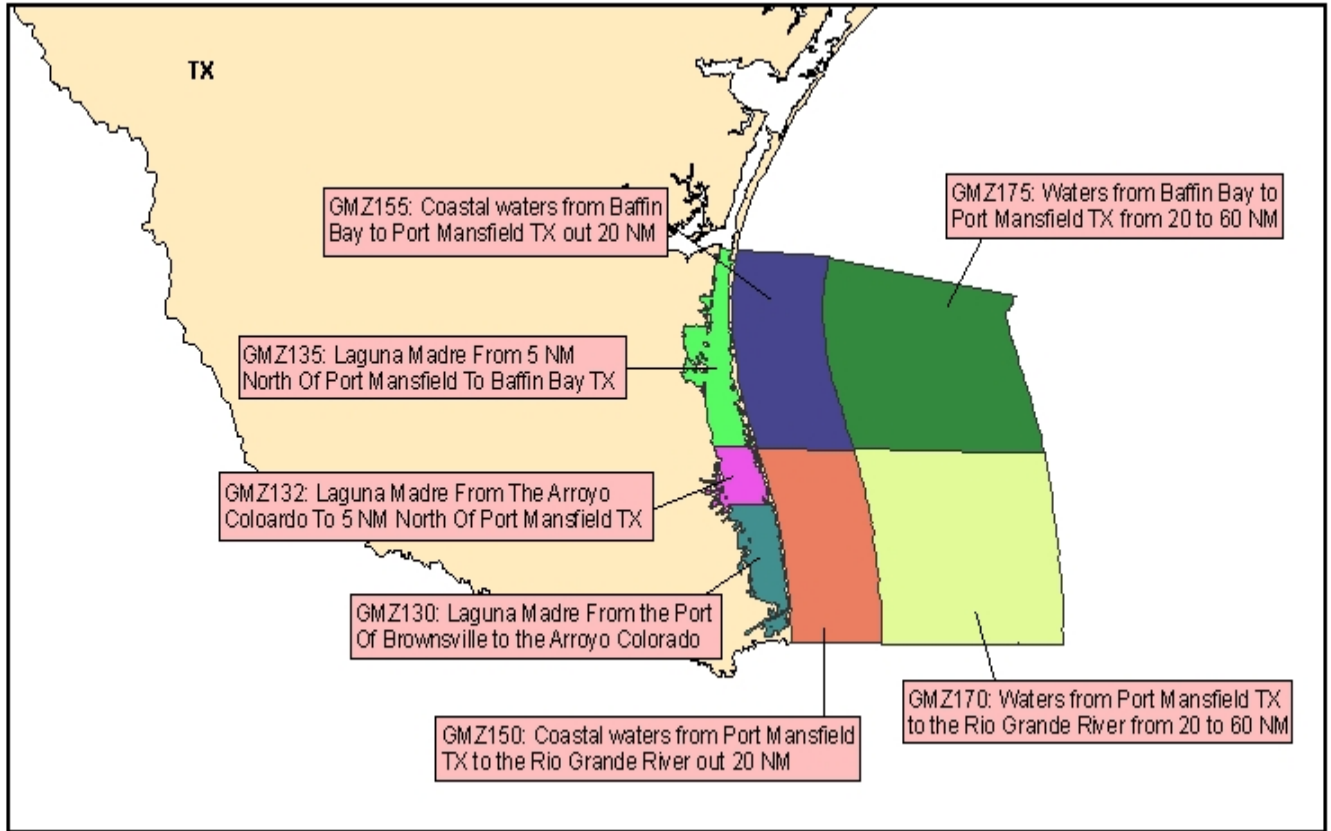
CORPUS CHRISTI, TX (CRP)

AREA OF RESPONSIBILITY BOUNDARIES

Calhoun-Matagorda county line to Kenedy-Kleberg, TX, county line, out 60 NM

- GMZ200 Synopsis for the middle Texas coastal waters
- GMZ235 Bays and Waterways from Port Aransas to Port O'Connor
- GMZ255 Coastal waters from Port Aransas to Matagorda Ship Channel out 20 NM
- GMZ275 Waters from Port Aransas to Matagorda Ship Channel from 20 to 60 NM
- GMZ230 Bays and Waterways from Baffin Bay to Port Aransas
- GMZ250 Coastal waters from Baffin Bay to Port Aransas out 20 NM
- GMZ270 Waters from Baffin Bay to Port Aransas from 20 to 60 NM

MARINE ZONES FOR WFO BROWNSVILLE, TX



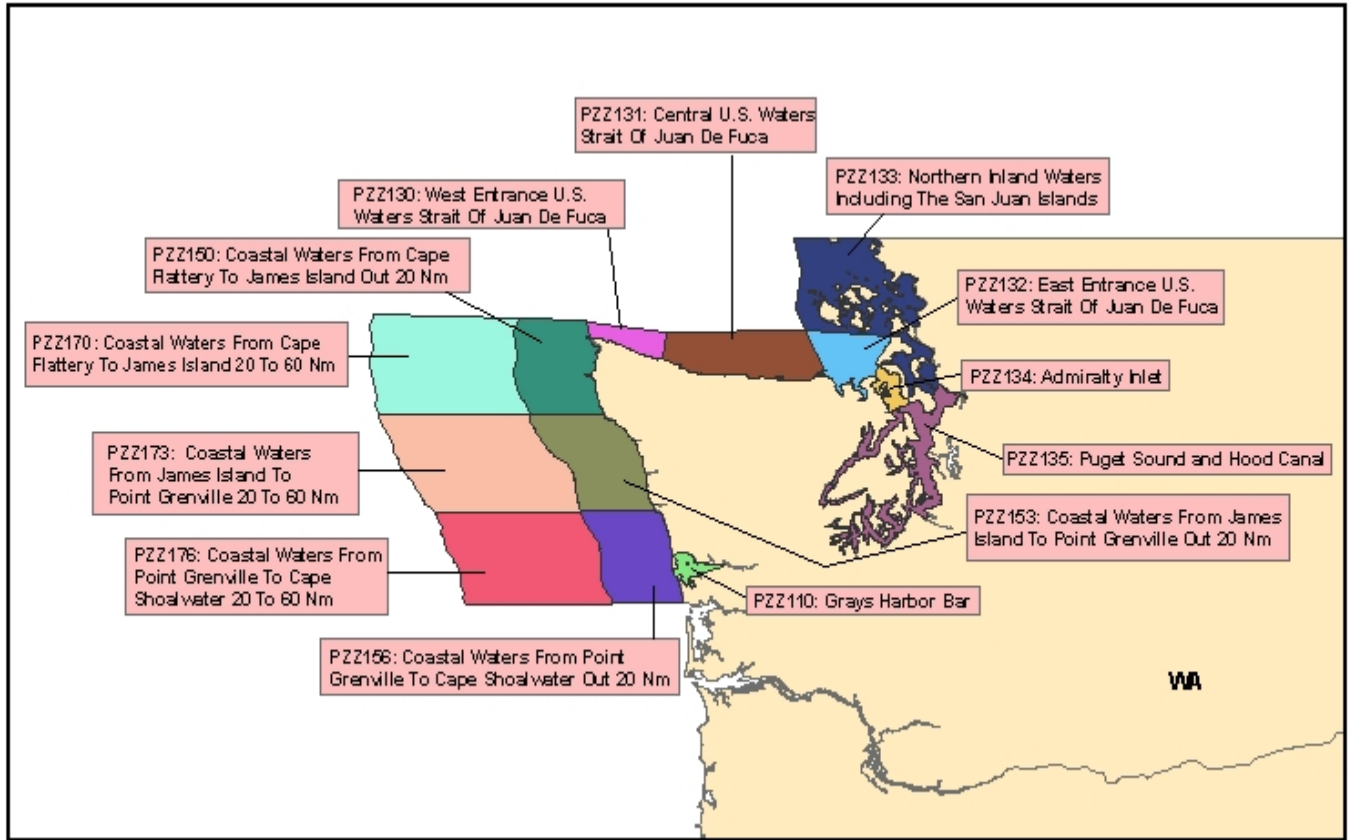
BROWNSVILLE, TX (BRO)

AREA OF RESPONSIBILITY BOUNDARIES

Kenedy-Kleberg, TX, county line to U.S.-Mexican border (Rio Grande River), out 60 NM

- GMZ100 Synopsis from Baffin Bay to the Rio Grande River out 60 NM
- GMZ155 Coastal waters from Baffin Bay to Port Mansfield TX out 20 NM
- GMZ175 Waters from Baffin Bay to Port Mansfield TX from 20 to 60 NM
- GMZ130 Laguna Madre from the Port of Brownsville to the Arroyo Colorado
- GMZ132 Laguna Madre from the Arroyo Colorado to 5 NM North of Port Mansfield TX
- GMZ135 Laguna Madre from 5 nm North of Port Mansfield to Baffin Bay TX
- GMZ150 Coastal waters from Port Mansfield TX to the Rio Grande River out 20 NM
- GMZ170 Waters from Port Mansfield TX to the Rio Grande River from 20 to 60 NM

MARINE ZONES FOR WFO SEATTLE, WA



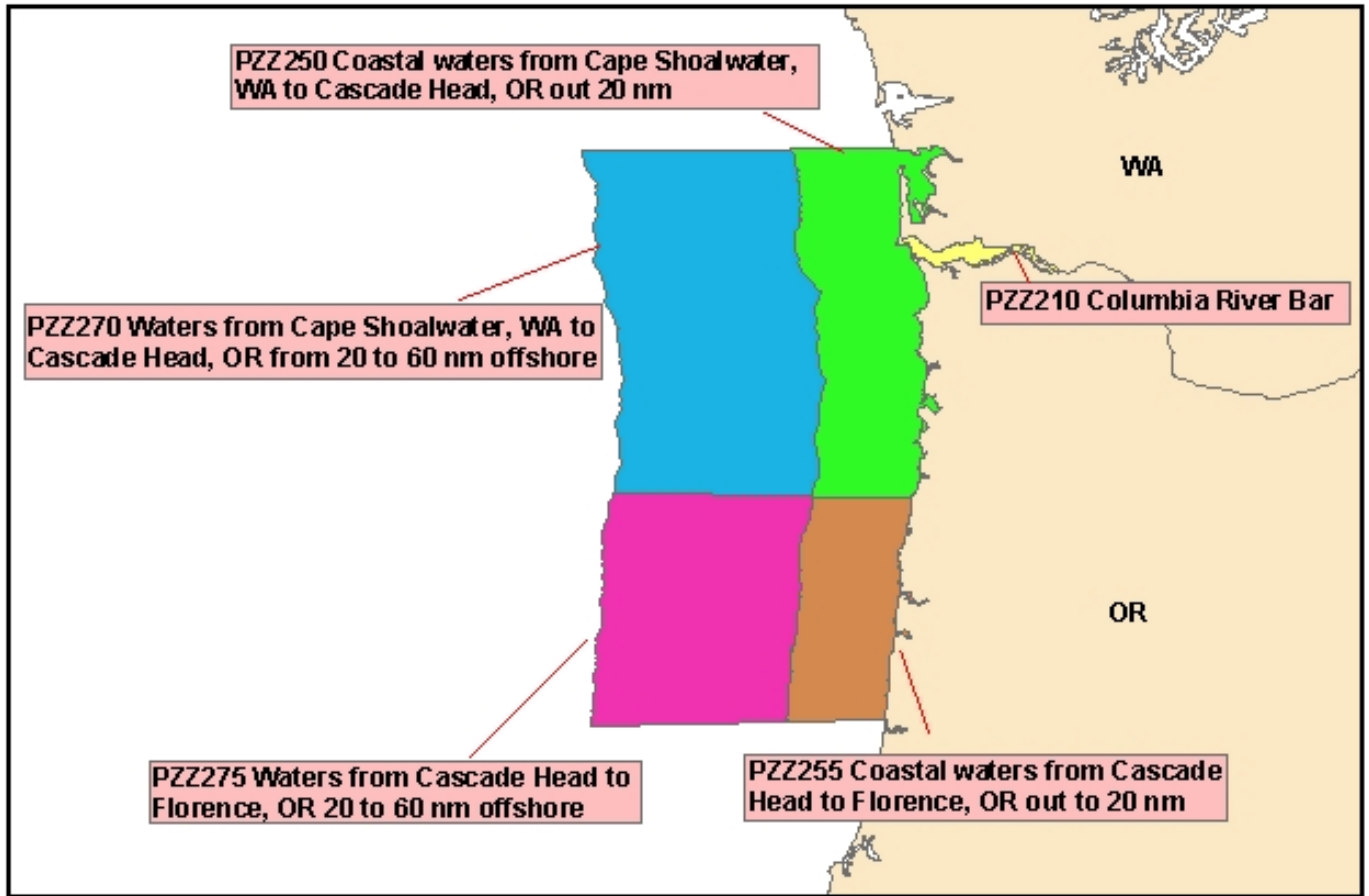
SEATTLE, WA (SEW)

AREA OF RESPONSIBILITY BOUNDARIES

Inland Waters of Western Washington and the Northern and Central Washington Coastal Waters Includes the Olympic Coast National Marine Sanctuary

- PZZ100 Synopsis for Northern and Central Washington Coastal and Inland Waters
- PZZ133 Northern inland waters including the San Juan Islands
- PZZ135 Puget Sound and Hood Canal
- PZZ134 Admiralty Inlet
- PZZ132 East Entrance U.S. waters Strait of Juan de Fuca
- PZZ131 Central U.S. waters Strait of Juan de Fuca
- PZZ130 West Entrance U.S. waters Strait of Juan de Fuca
- PZZ150 Coastal waters from Cape Flattery to James Island out 20 NM
- PZZ170 Coastal waters from Cape Flattery to James Island 20 to 60 NM
- PZZ153 Coastal waters from James Island to Point Grenville out 20 NM
- PZZ173 Coastal waters from James Island to Point Grenville 20 to 60 NM
- PZZ156 Coastal waters from Point Grenville to Cape Shoalwater out 20 NM
- PZZ176 Coastal waters from Point Grenville to Cape Shoalwater 20 to 60 NM
- PZZ110 Grays Harbor Bar - Two period wave/current forecast only

MARINE ZONES FOR WFO PORTLAND, OR



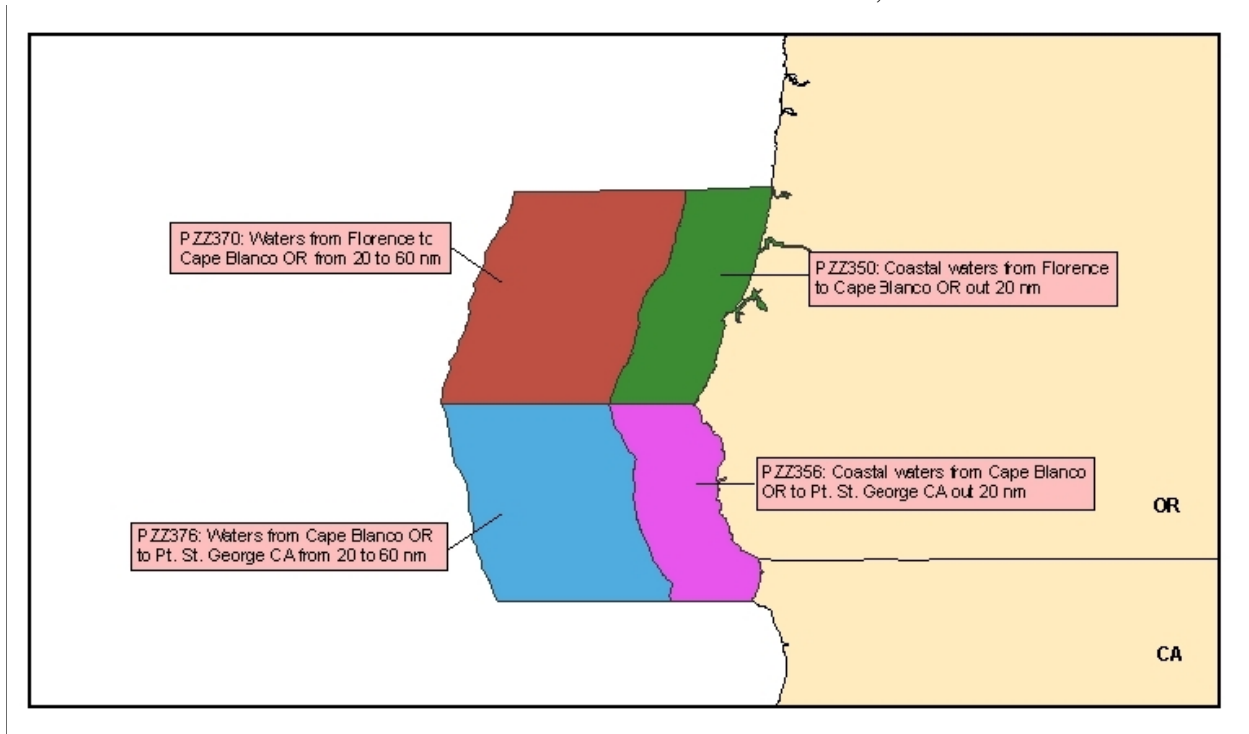
PORTLAND, OR (PQR)

AREA OF RESPONSIBILITY BOUNDARIES

Pacific-Grays Harbor, WA, county line to Douglas-Lane, OR, county line, out 60 NM

- PZZ200 Synopsis for Southern Washington and Northern Oregon Coast
- PZZ250 Coastal waters from Cape Shoalwater WA to Cascade Head OR out 20 NM
- PZZ270 Waters from Cape Shoalwater WA to Cascade Head OR from 20 to 60 NM
- PZZ210 Columbia River Bar - Two period wave/current forecast only
- PZZ255 Coastal waters from Cascade Head to Florence OR out 20 NM
- PZZ275 Waters from Cascade Head to Florence OR from 20 to 60 NM

MARINE ZONES FOR WFO MEDFORD, OR



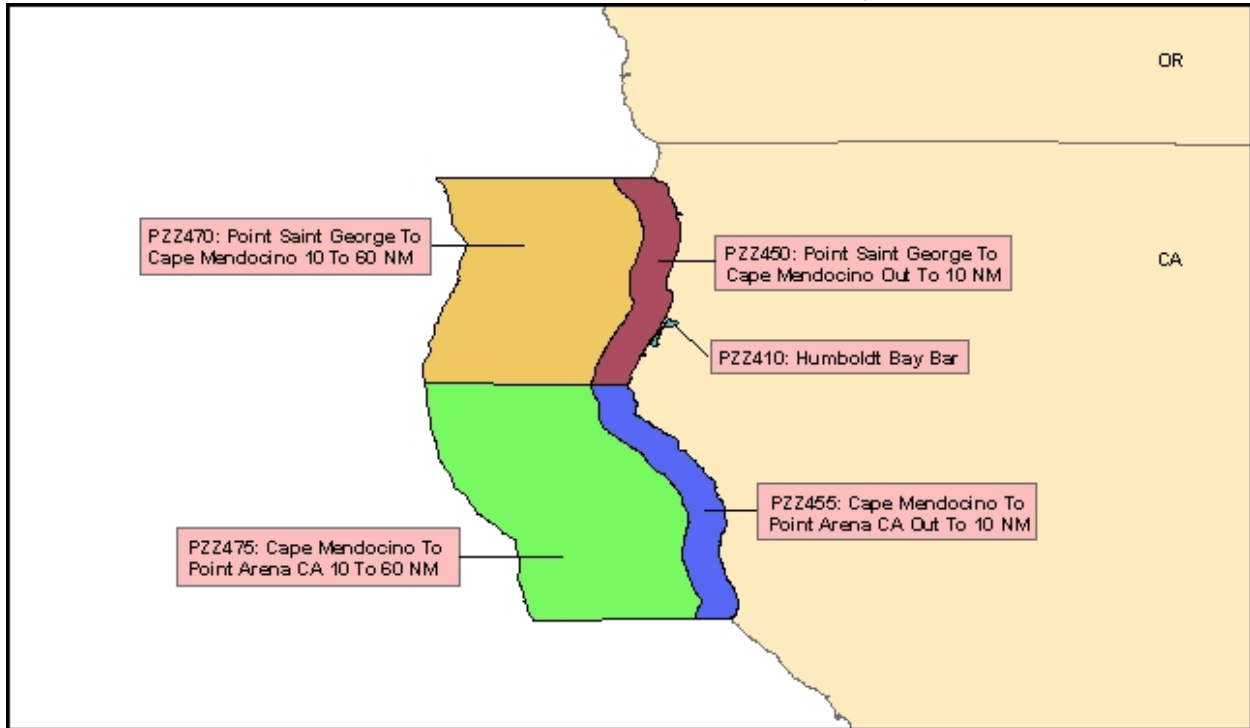
MEDFORD, OR (MFR)

AREA OF RESPONSIBILITY BOUNDARIES

Douglas-Lane, OR, county line to Oregon-California border, out 60 NM

- | | |
|--------|---|
| PZZ300 | Synopsis for the Southern Oregon Coastal Waters |
| PZZ350 | Coastal waters from Florence to Cape Blanco OR out 20 NM |
| PZZ370 | Waters from Florence to Cape Blanco OR from 20 to 60 NM |
| PZZ356 | Coastal waters from Cape Blanco OR to Pt. St. George CA out 20 NM |
| PZZ376 | Waters from Cape Blanco OR to Pt. St. George CA from 20 to 60 NM |

MARINE ZONES FOR WFO EUREKA, CA



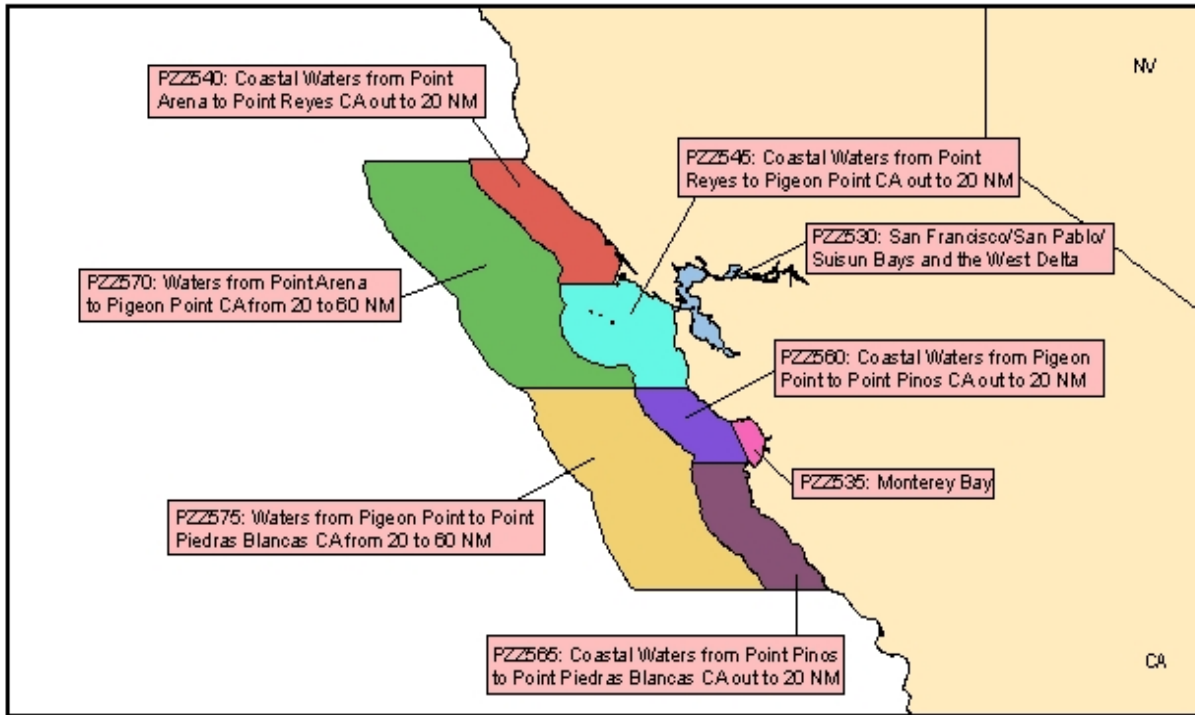
EUREKA, CA (EKA)

AREA OF RESPONSIBILITY BOUNDARIES

Oregon-California border to Sonoma-Mendocino, CA county line, out 60 NM

- PZZ400 Synopsis for Northern California Waters
- PZZ450 Point St. George to Cape Mendocino out to 10 NM
- PZZ470 Point St. George to Cape Mendocino 10 to 60 NM
- PZZ455 Cape Mendocino to Point Arena out to 10 NM
- PZZ475 Cape Mendocino to Point Arena 10 to 60 NM
- PZZ410 Humboldt Bay Bar - Three period wave/current forecast only – The forecast will be provided for the first three days of the corresponding Coastal Waters Forecast.

MARINE ZONES FOR WFO SAN FRANCISCO BAY AREA AT MONTEREY, CA



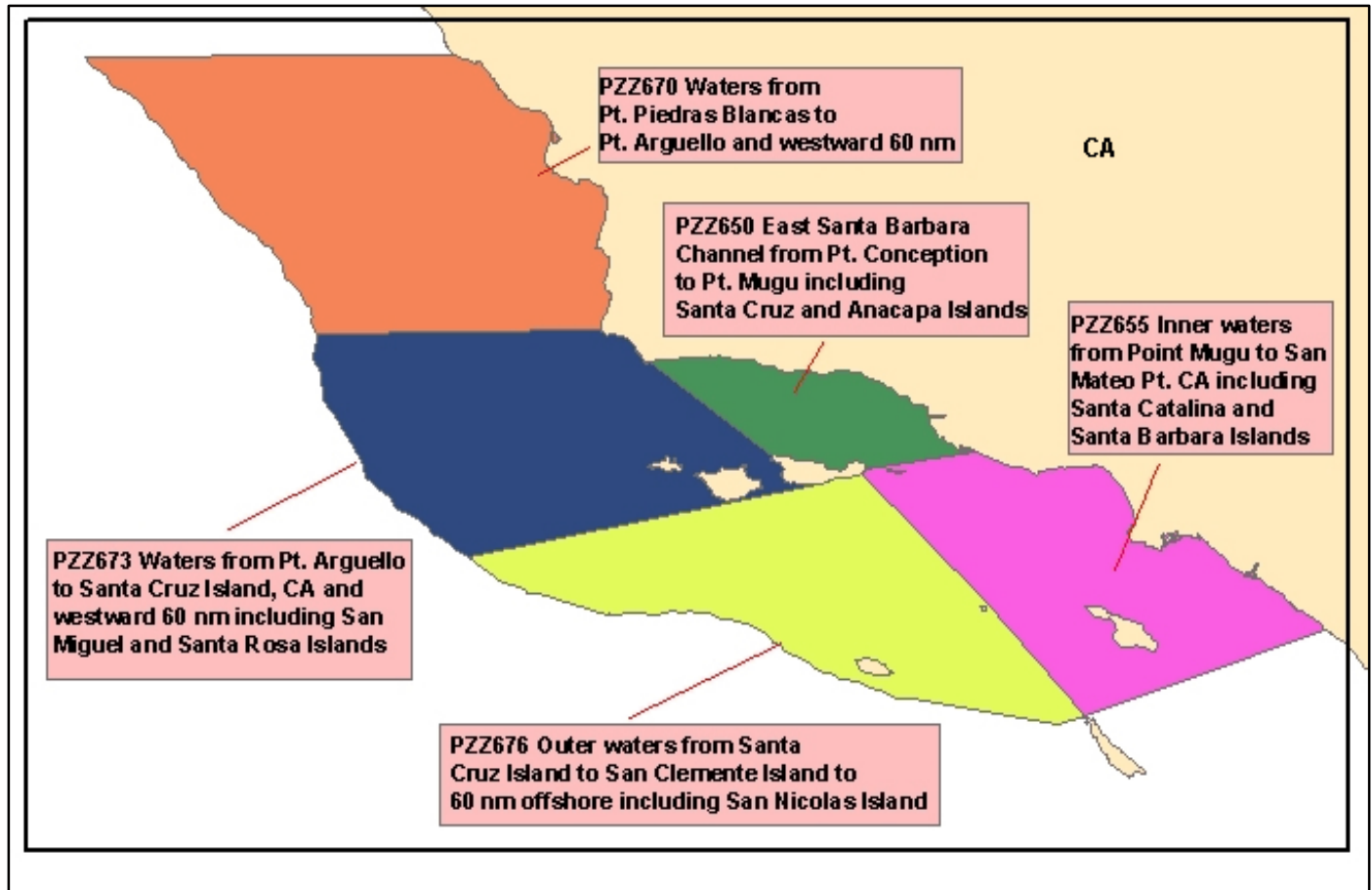
SAN FRANCISCO BAY AREA AT MONTEREY, CA (MTR)

AREA OF RESPONSIBILITY BOUNDARIES

Sonoma-Mendocino county line to Monterey-San Luis Obispo, CA county line, out 60 NM
Includes the Monterey Bay, Gulf of the Farallones, and Cordell Bank National Marine Sanctuaries

- PZZ500 Synopsis for Central California Coast and Bays including Monterey Bay...Gulf of the Farallones...and Cordell Bank National Marine Sanctuaries
- PZZ540 Coastal Waters from Point Arena to Point Reyes CA out to 20 NM
- PZZ545 Coastal Waters from Point Reyes to Pigeon Point CA out to 20 NM
- PZZ560 Coastal Waters from Pigeon Point to Point Pinos CA out to 20 NM
- PZZ565 Coastal Waters from Point Pinos to Point Piedras Blancas CA out to 20 NM
- PZZ570 Waters from Point Arena to Pigeon Point CA from 20 to 60 NM
- PZZ575 Waters from Pigeon Point to Point Piedras Blancas CA from 20 to 60 NM
- PZZ535 Monterey Bay
- PZZ530 San Francisco San Pablo Suisun Bays and the West Delta

MARINE ZONES FOR WFO LOS ANGELES, CA



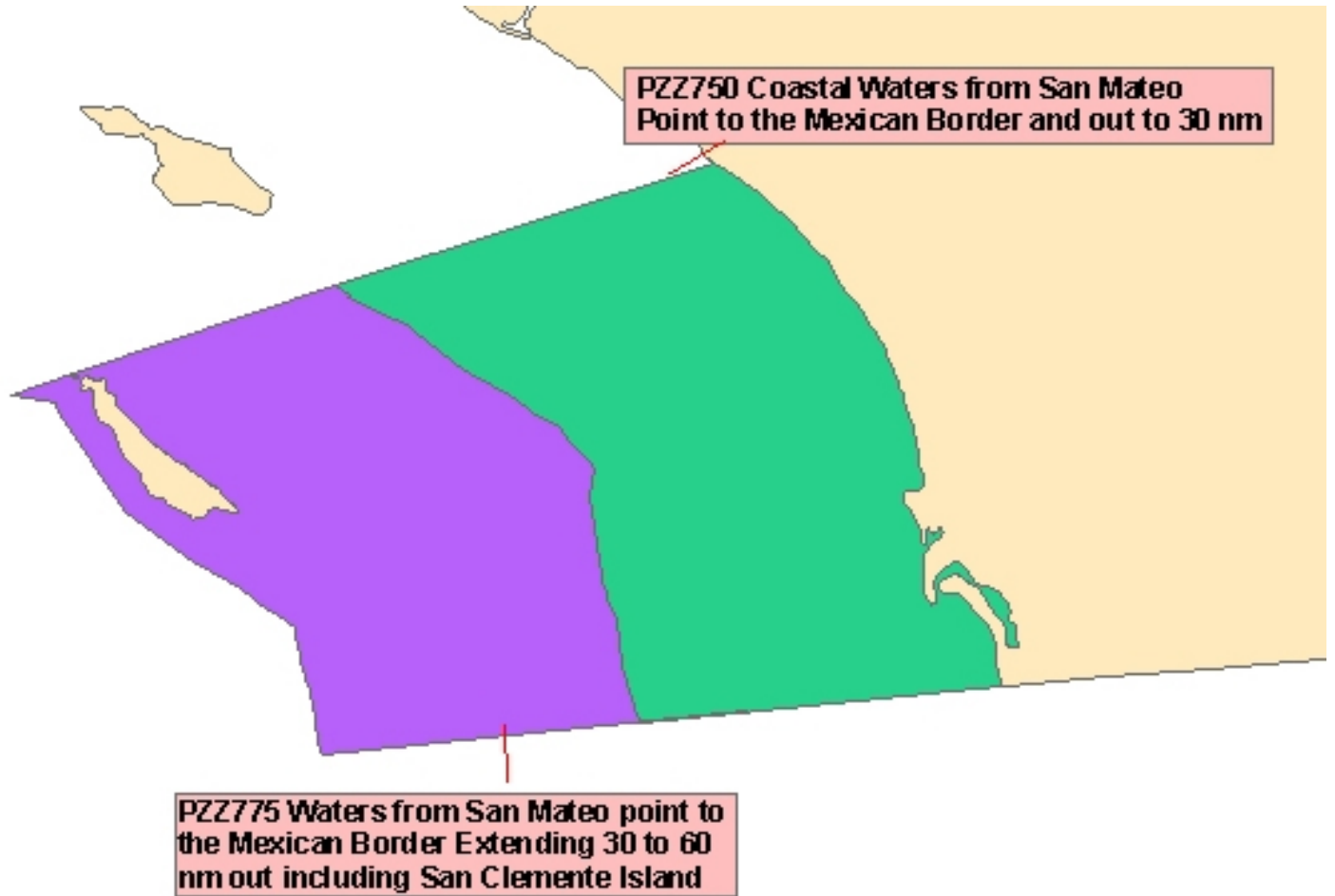
LOS ANGELES, CA (LOX)

AREA OF RESPONSIBILITY BOUNDARIES

Monterey-San Luis Obispo county line to San Diego-Orange, CA county line, out 60 NM
Includes the Channel Islands National Marine Sanctuary

- PZZ600 Synopsis for Southern California Coast and Santa Barbara Channel including the Channel Islands National Marine Sanctuary
- PZZ670 Waters from Point Piedras Blancas to Point Arguello CA westward 60 NM
- PZZ673 Waters from Point Arguello to Santa Cruz Island CA westward 60 NM including San Miguel and Santa Rosa Islands
- PZZ650 East Santa Barbara Channel from Point Conception to Point Mugu CA including Santa Cruz and Anacapa Islands
- PZZ655 Inner waters from Point Mugu to San Mateo Point CA including Santa Catalina and Santa Barbara Islands
- PZZ676 Outer waters from Santa Cruz Island to San Clemente Island to 60 NM offshore including San Nicholas Island

MARINE ZONES FOR WFO SAN DIEGO, CA



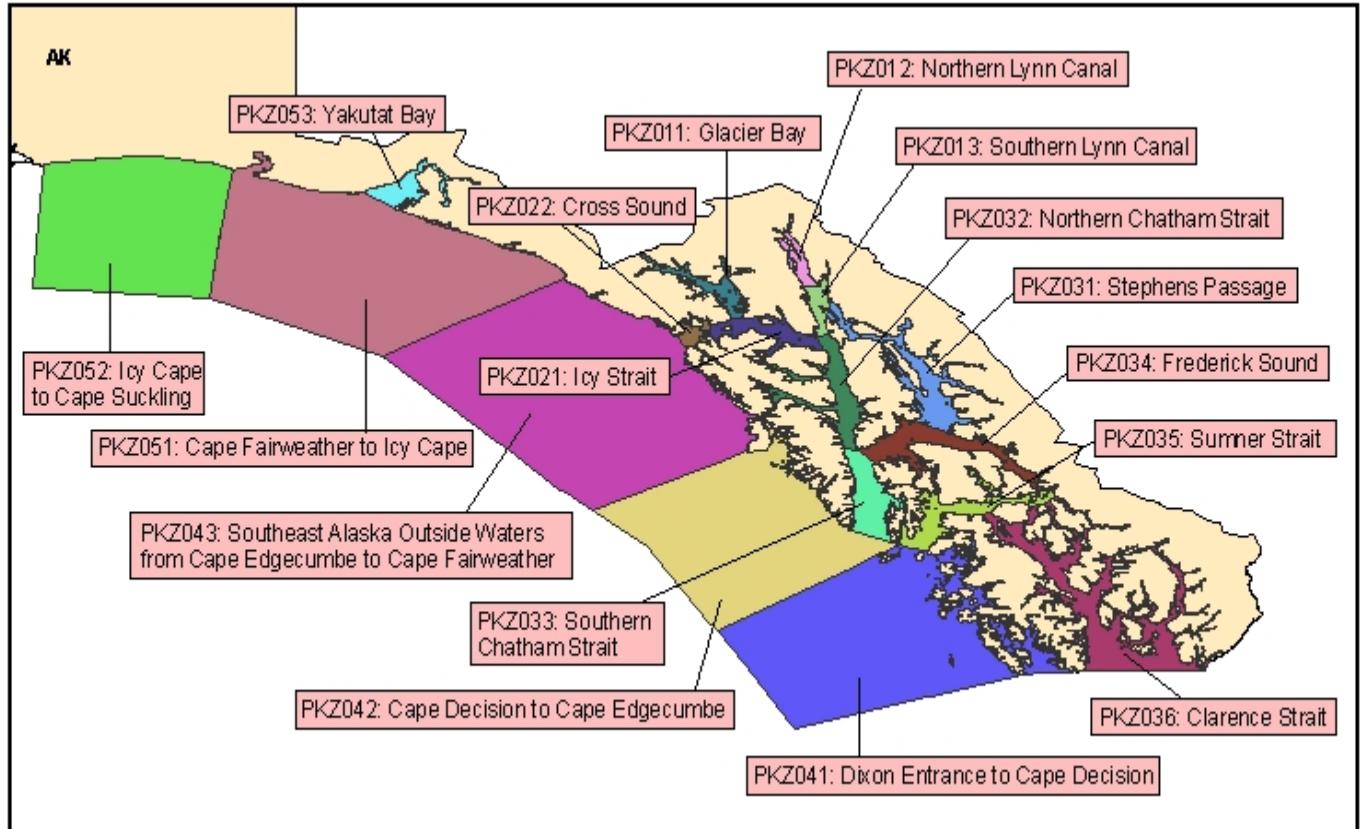
SAN DIEGO, CA (SGX)

AREA OF RESPONSIBILITY BOUNDARIES

San Diego-Orange, CA, county line to U.S.-Mexico border near San Diego, CA, out 60 NM

- PZZ700 Synopsis for Far Southern California Coast
- PZZ750 Coastal Waters from San Mateo Point to the Mexican border out 30 NM
- PZZ775 Waters from San Mateo Point to the Mexican Border extending 30 to 60 NM out including San Clemente Island

MARINE ZONES FOR WFO JUNEAU, AK



JUNEAU, AK (AJK)

All except Yakutat Bay

YAKATAK, AK (AYA)

Yakutat Bay

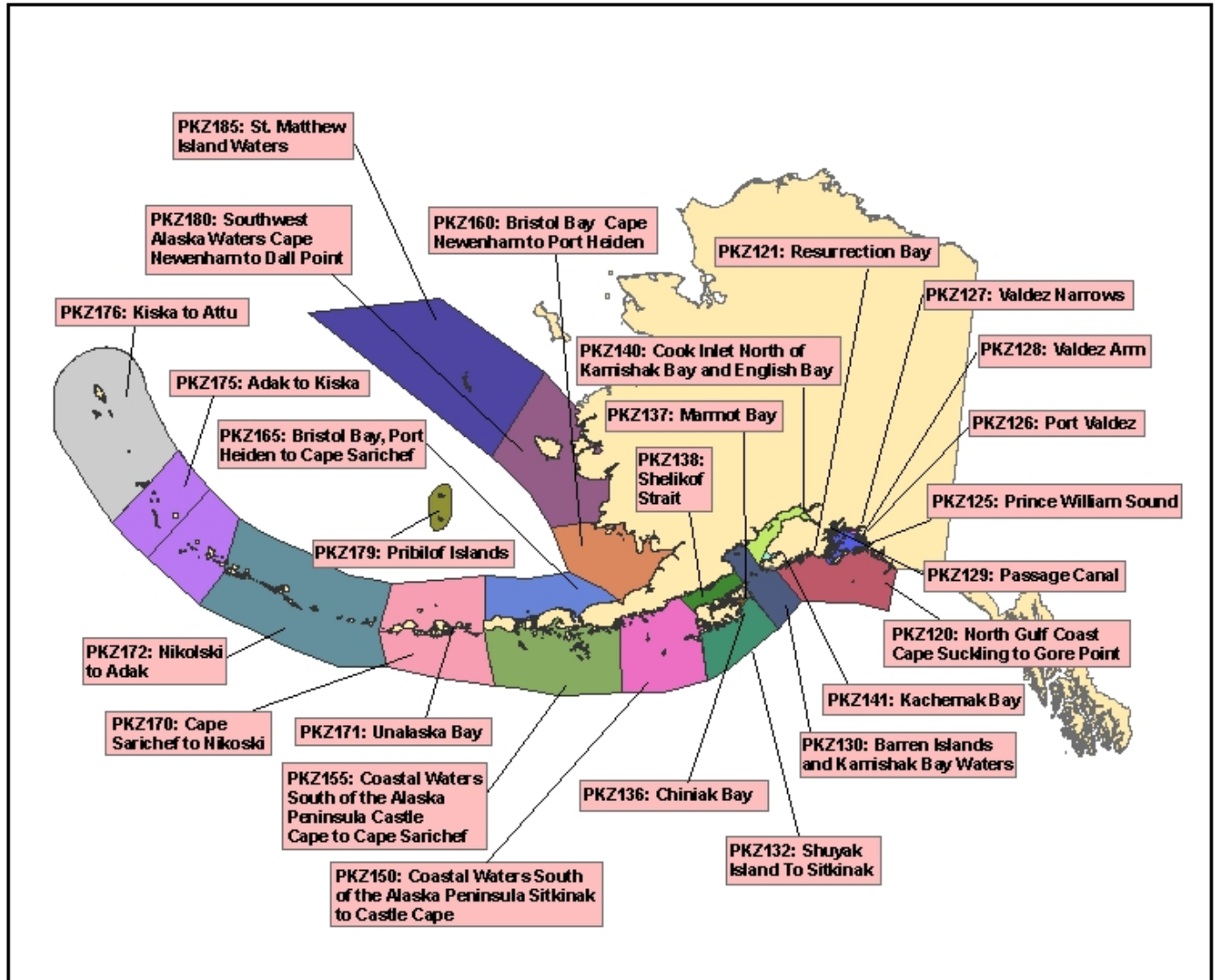
AREA OF RESPONSIBILITY BOUNDARIES

Coastal and Inside Waters Dixon Entrance to Cape Suckling, including Yakutat Bay, out to 100 NM

- PKZ098 Synopsis for Southeast Alaska Inner Channels Coastal Waters
- PKZ011 Glacier Bay
- PKZ012 Northern Lynn Canal
- PKZ013 Southern Lynn Canal
- PKZ021 Icy Strait
- PKZ022 Cross Sound
- PKZ031 Stephens Passage
- PKZ032 Northern Chatham Strait
- PKZ033 Southern Chatham Strait
- PKZ034 Frederick Sound
- PKZ035 Sumner Strait
- PKZ036 Clarence Strait
- PKZ099 Synopsis for Outside Waters
- PKZ041 Dixon Entrance to Cape Decision
- PKZ042 Cape Decision to Cape Edgecumbe

PKZ043	Cape Edgecumbe to Cape Fairweather
PKZ051	Cape Fairweather to Icy Cape
PKZ052	Icy Cape to Cape Suckling
PKZ053	Yakutat Bay

MARINE ZONES FOR WFO ANCHORAGE, AK



ANCHORAGE, AK (AFC)

North Gulf Coast and Kodiak Island and Cook Inlet Southwest Alaska and Bristol Bay and the Alaska Peninsula Waters and the Aleutian Islands

KODIAK, AK (ADQ)

Chiniak and Marmot Bays

VALDEZ, AK (AVW)

Port of Valdez and Valdez Narrows and Valdez Arm

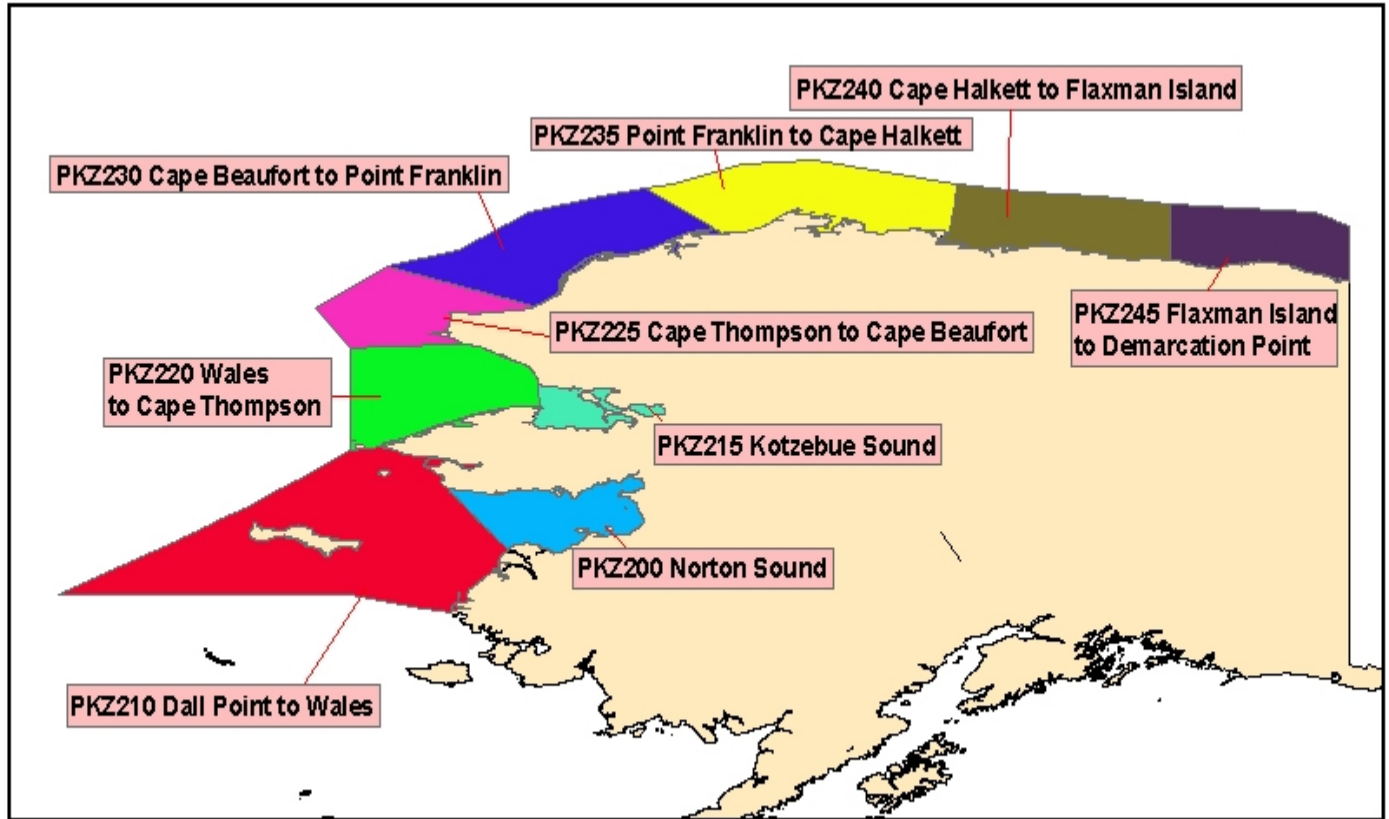
AREA OF RESPONSIBILITY BOUNDARIES

Cape Suckling to Dall Point including the Aleutian Islands, Pribilof Islands, and St. Matthew Island, out to 100 NM.

NWSI 10-302 OCTOBER 31, 2008

PKZ197 Synopsis for the North Gulf Coast...Kodiak Island Waters...and Cook Inlet
PKZ120 Cape Suckling to Gore Point
PKZ121 Resurrection Bay
PKZ125 Prince William Sound
PKZ129 Passage Canal
PKZ130 Barren Islands and Kamishak Bay Waters
PKZ132 Shuyak Island to Sitkinak
PKZ138 Shelikof Strait
PKZ140 Cook Inlet North of Kamishak and English Bay
PKZ141 Kachemak Bay
PKZ199 Synopsis for Southwest Alaska...Bristol Bay...the Alaska Peninsula Waters...and the
Aleutian Islands
PKZ150 Sitkinak to Castle Cape
PKZ155 Castle Cape to Cape Sarichef
PKZ160 Cape Newenham to Port Heiden
PKZ165 Port Heiden to Cape Sarichef
PKZ180 Cape Newenham to Dall Point
PKZ170 Cape Sarichef to Nikolski
PKZ171 Unalaska Bay
PKZ172 Nikolski to Adak
PKZ175 Adak to Kiska
PKZ176 Kiska to Attu
PKZ179 Pribilof Islands Nearshore Waters (out 5 NM only)
PKZ185 St. Matthew Island Waters
PKZ136 Chiniak Bay
PKZ137 Marmot Bay
PKZ126 Port Valdez
PKZ127 Valdez Narrows
PKZ128 Valdez Arm

MARINE ZONES FOR WFO FAIRBANKS, AK



FAIRBANKS, AK (AFG)

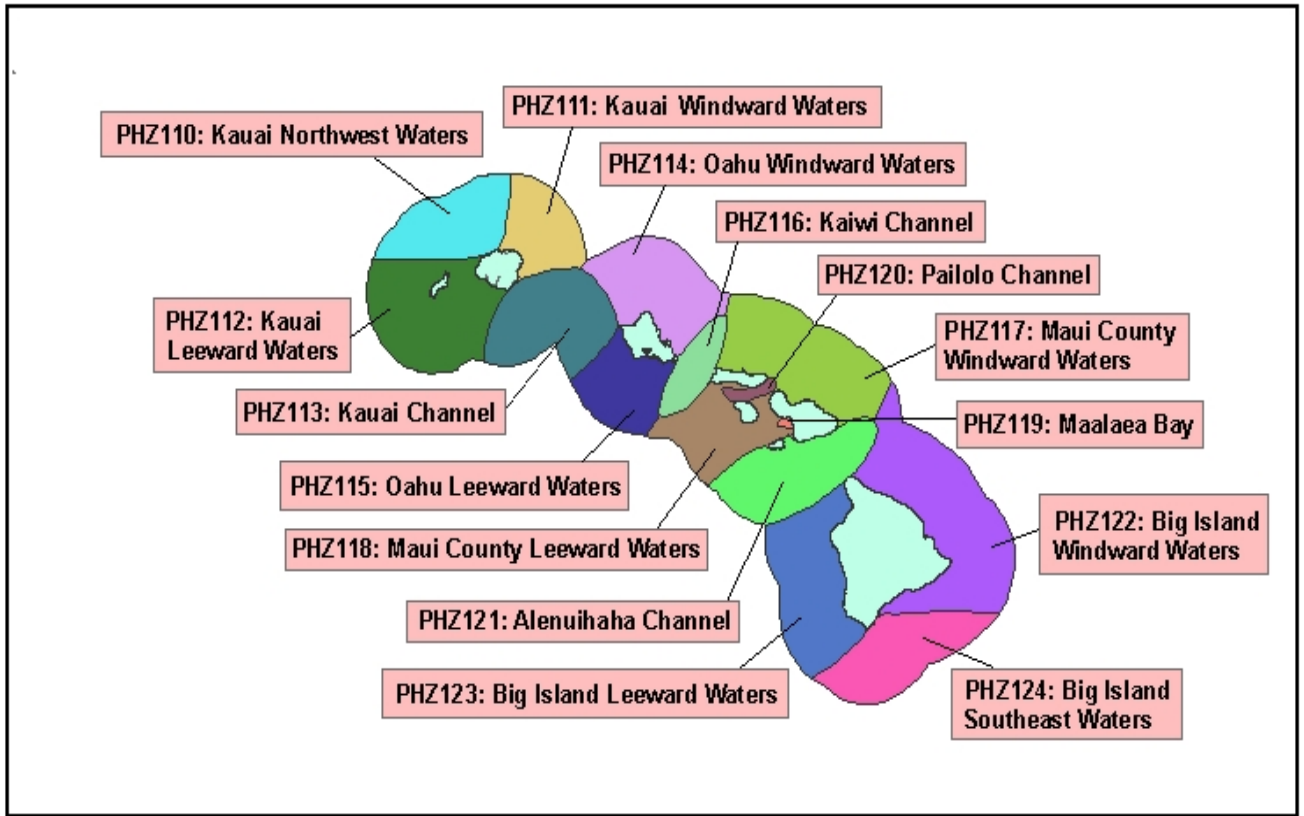
AREA OF RESPONSIBILITY BOUNDARIES

Arctic Alaska Coastal Waters Forecast

Cape Thompson to Demarcation Point, out to 100 NM.

- | | |
|--------|-------------------------------------|
| PKZ298 | Synopsis for Arctic Coast |
| PKZ225 | Cape Thompson to Cape Beaufort |
| PKZ230 | Cape Beaufort to Point Franklin |
| PKZ235 | Point Franklin to Cape Halkett |
| PKZ240 | Cape Halkett to Flaxman Island |
| PKZ245 | Flaxman Island to Demarcation Point |
| PKZ299 | Synopsis for Northwest Coast |
| PKZ200 | Norton Sound |
| PKZ210 | Dall Point to Wales |
| PKZ215 | Kotzebue Sound |
| PKZ220 | Wales to Cape Thompson |

MARINE ZONES FOR WFO HONOLULU, HI



HONOLULU, HI (HFO)

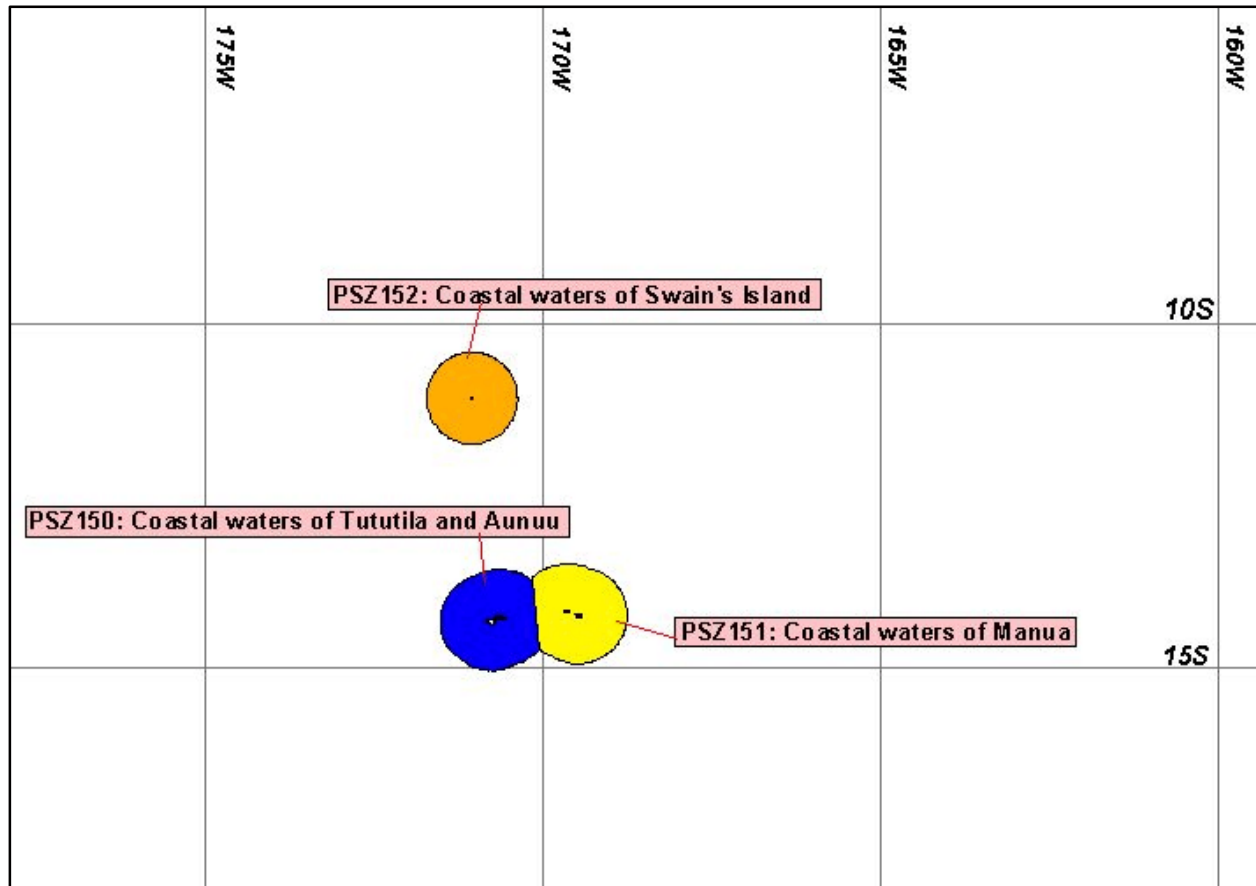
AREA OF RESPONSIBILITY BOUNDARIES

Water area within 40 NM of the main Hawaiian Islands

Includes the Hawaiian Islands Humpback Whale National Marine Sanctuary

- PHZ100 Synopsis for Hawaiian Coastal Waters
- PHZ110 Kauai Northwest Waters
- PHZ111 Kauai Windward Waters
- PHZ112 Kauai Leeward Waters
- PHZ113 Kauai Channel
- PHZ114 Oahu Windward Waters
- PHZ115 Oahu Leeward Waters
- PHZ116 Kaiwi Channel
- PHZ117 Maui County Windward Waters
- PHZ118 Maui County Leeward Waters
- PHZ119 Maalaea Bay
- PHZ120 Pailolo Channel
- PHZ121 Alenuihaha Channel
- PHZ122 Big Island Windward Waters
- PHZ123 Big Island Leeward Waters
- PHZ124 Big Island Southeast Waters

MARINE ZONES FOR WSO PAGO PAGO, AMERICAN SAMOA



PAGO PAGO, AMERICAN SAMOA (STU)

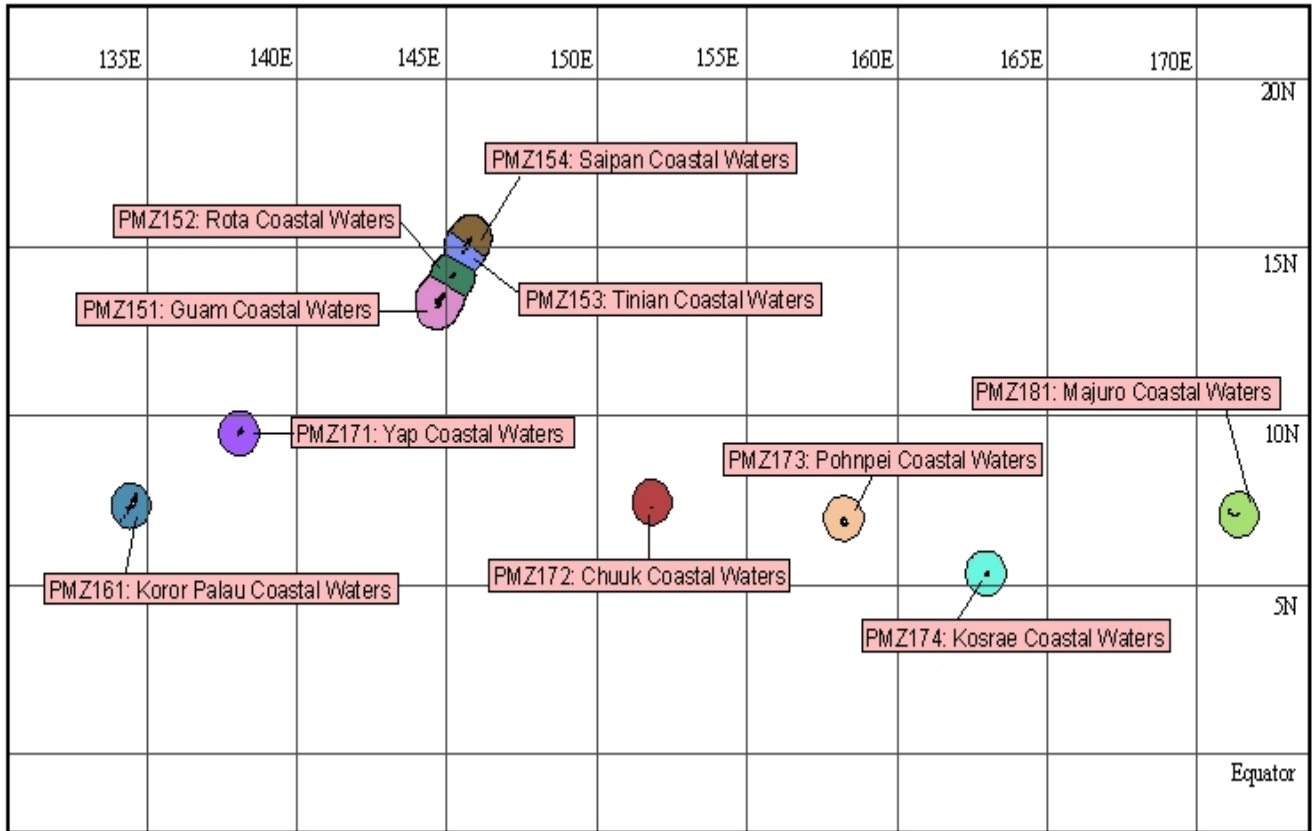
AREA OF RESPONSIBILITY BOUNDARIES

American Samoa Coastal Waters

Includes the Fagatele Bay National Marine Sanctuary

- PSZ100 Synopsis for American Samoa coastal waters
- PSZ150 Tututila and Aunuu coastal waters
- PSZ151 Manua coastal waters
- PSZ152 Swains Island coastal waters

MARINE ZONES FOR WFO GUAM



GUAM (GUM)

Guam and Commonwealth of the North Marianas, Republic of Palau, Federated States of Micronesia, Republic of the Marshall Islands

AREA OF RESPONSIBILITY BOUNDARIES

Guam and the Commonwealth of the Northern Mariana Islands within 40 NM of Guam, Rota, Tinian, and Saipan

The Republic of Palau within 40 NM of Koror

The Federated States of Micronesia within 40 NM of Yap, Chuuk, Pohnpei, and Kosrae

The Republic of the Marshall Islands within 40 NM of Majuro

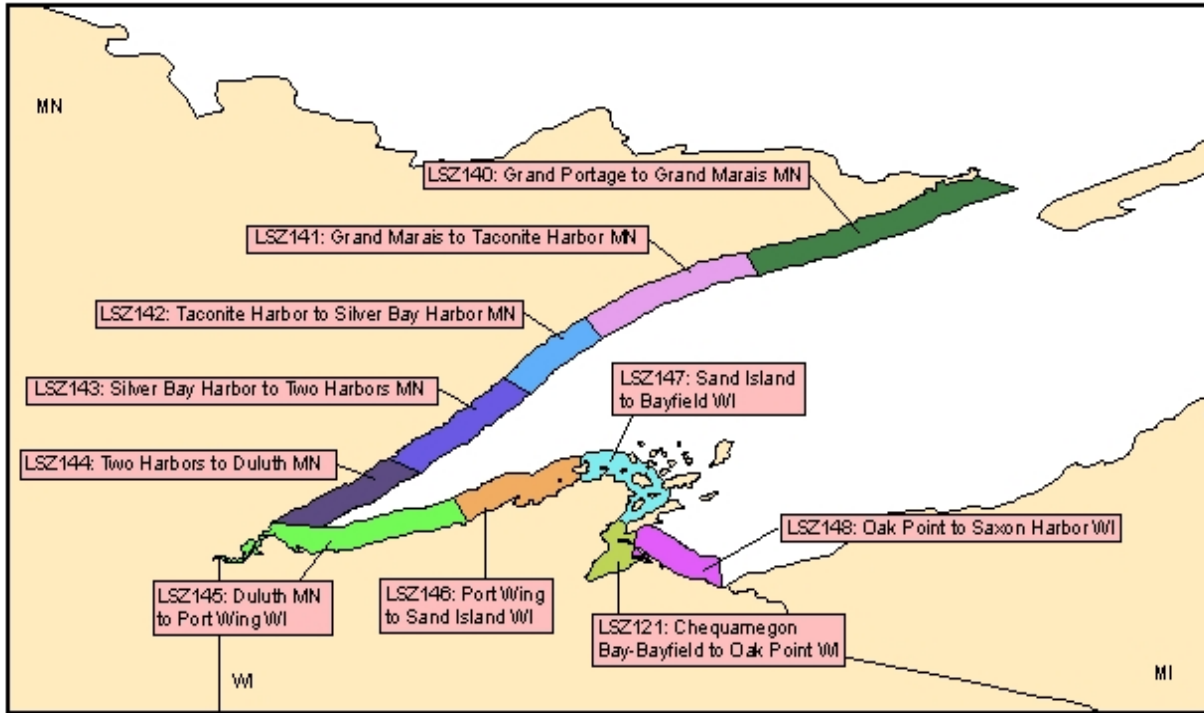
- PMZ150 Synopsis for Marianas waters
- PMZ151 Guam coastal waters
- PMZ152 Rota coastal waters
- PMZ153 Tinian coastal waters
- PMZ154 Saipan coastal waters
- PMZ161 Koror Palau coastal waters
- PMZ171 Yap coastal waters
- PMZ172 Chuuk coastal waters
- PMZ173 Pohnpei coastal waters
- PMZ174 Kosrae coastal waters
- PMZ181 Majuro coastal waters

Note: Special Marine Warnings/Marine Weather Statements are issued for Marianas coastal waters only.

2. Great Lakes Forecast Areas of Responsibility.

MARINE ZONES FOR WFO DULUTH, MN

(Nearshore Marine Forecast, Hazardous Weather Outlook, and Marine Weather Message)



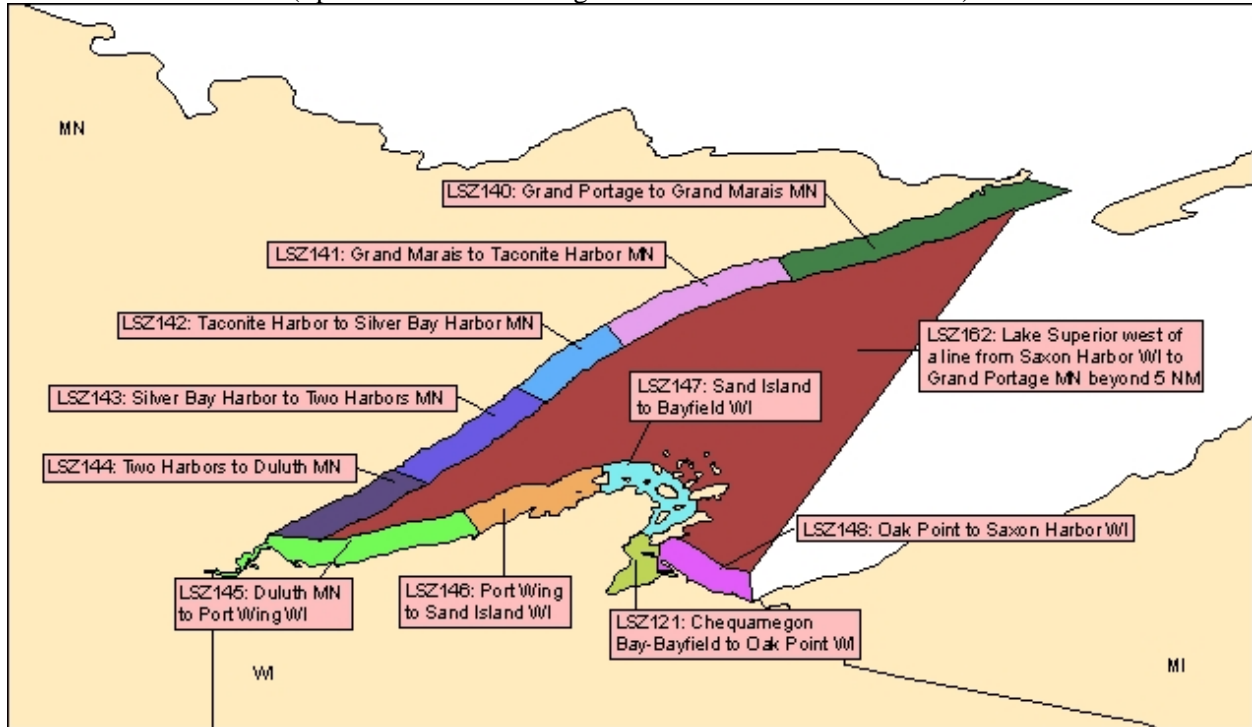
DULUTH, MN (DLH)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Superior – U.S.-Canada border to WI/MI border

LSZ140	Grand Portage to Grand Marais MN
LSZ141	Grand Marais to Taconite Harbor MN
LSZ142	Taconite Harbor to Silver Bay Harbor MN
LSZ143	Silver Bay Harbor to Two Harbors MN
LSZ144	Two Harbors to Duluth MN
LSZ145	Duluth MN to Port Wing WI
LSZ146	Port Wing to Sand Island WI
LSZ147	Sand Island to Bayfield WI
LSZ121	Chequamegon Bay-Bayfield to Oak Point WI
LSZ148	Oak Point to Saxon Harbor WI

MARINE ZONES FOR WFO DULUTH, MN
(Special Marine Warning and Severe Local Storm Watch)



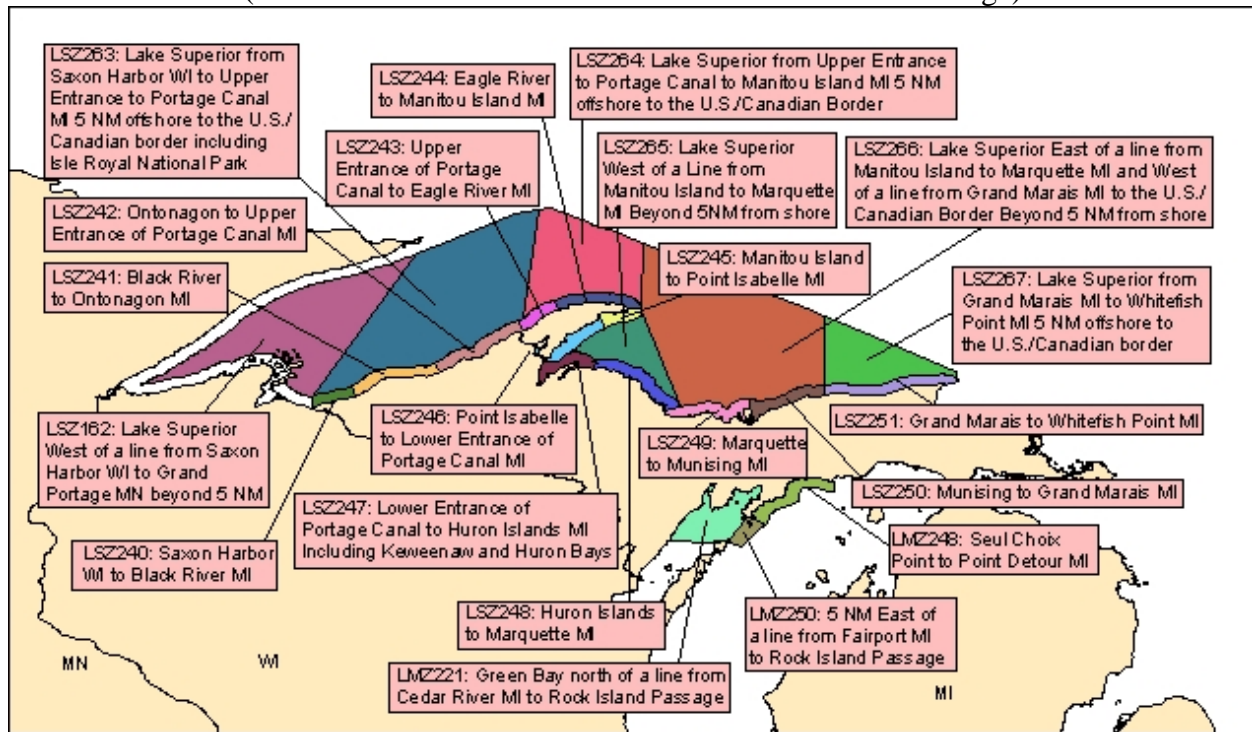
DULUTH, MN (DLH)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Superior – U.S.-Canada border to WI/MI border

- LSZ140 Grand Portage to Grand Marais MN
- LSZ141 Grand Marais to Taconite Harbor MN
- LSZ142 Taconite Harbor to Silver Bay Harbor MN
- LSZ143 Silver Bay Harbor to Two Harbors MN
- LSZ144 Two Harbors to Duluth MN
- LSZ145 Duluth MN to Port Wing WI
- LSZ146 Port Wing to Sand Island WI
- LSZ147 Sand Island to Bayfield WI
- LSZ121 Chequamegon Bay-Bayfield to Oak Point WI
- LSZ148 Oak Point to Saxon Harbor WI
- LSZ162 Lake Superior west of a line from Saxon Harbor WI to Grand Portage MN beyond 5 NM

MARINE ZONES FOR WFO MARQUETTE, MI
(Hazardous Weather Outlook and Marine Weather Message)



MARQUETTE, MI (MQT)

AREA OF RESPONSIBILITY BOUNDARIES for Lake Superior

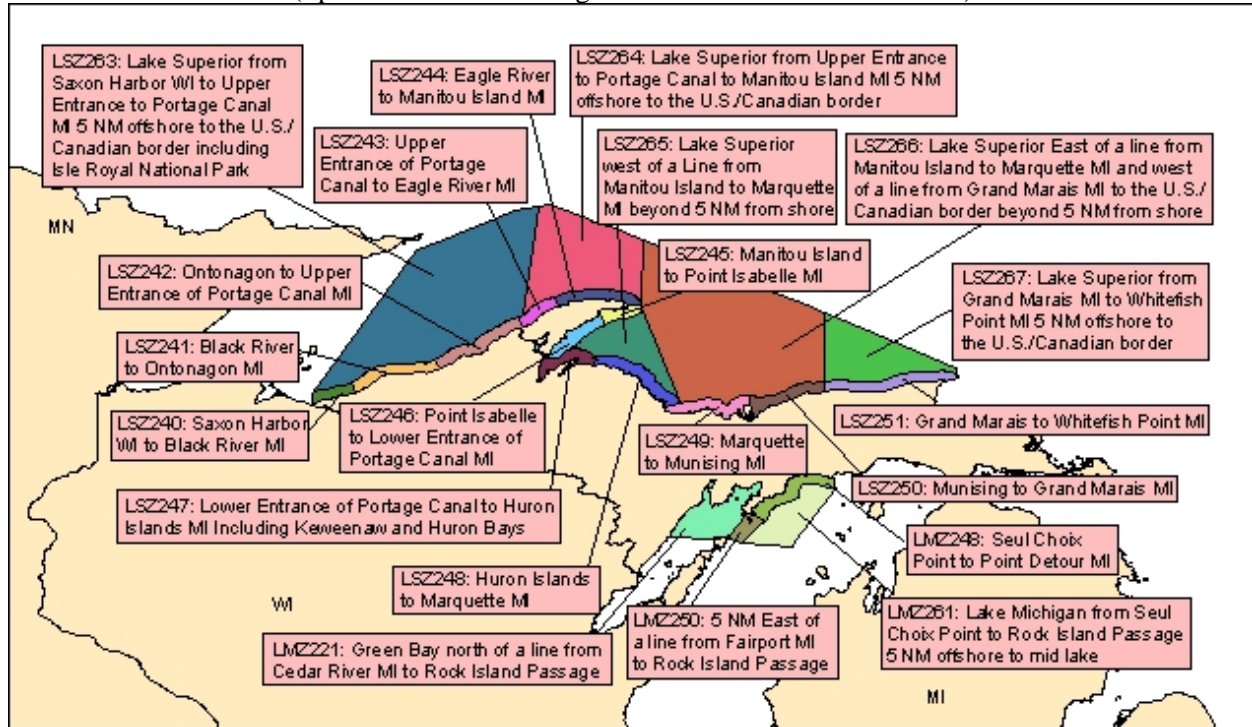
Lake Superior - WI/MI border to Whitefish Point, MI

- LSZ240 Saxon Harbor WI to Black River MI
- LSZ241 Black River to Ontonagon MI
- LSZ242 Ontonagon to Upper Entrance of Portage Canal MI
- LSZ243 Upper Entrance of Portage Canal to Eagle River MI
- LSZ244 Eagle River to Manitou Island MI
- LSZ245 Manitou Island to Point Isabelle MI
- LSZ246 Point Isabelle to Lower Entrance of Portage Canal MI
- LSZ247 Lower Entrance of Portage Canal to Huron Islands MI including Keweenaw and Huron Bays
- LSZ248 Huron Islands to Marquette MI
- LSZ249 Marquette to Munising MI
- LSZ250 Munising to Grand Marais MI
- LSZ251 Grand Marais to Whitefish Point MI
- LMZ221 Green Bay north of a line from Cedar River MI to Rock Island Passage
- LMZ248 Seul Choix Point to Point Detour MI
- LMZ250 5 NM east of a line from Fairport MI to Rock Island Passage
- LSZ162 Lake Superior west of a line from Saxon Harbor WI to Grand Portage MN beyond 5 NM
- LSZ263 Lake Superior from Saxon Harbor WI to Upper Entrance to Portage Canal MI 5 NM offshore to the U.S./Canadian border including Isle Royal National Park
- LSZ264 Lake Superior from Upper Entrance to Portage Canal to Manitou Island MI 5 NM offshore to the U.S./Canadian border

NWSI 10-302 OCTOBER 31, 2008

- LSZ265 Lake Superior west of a line from Manitou Island to Marquette MI beyond 5 NM from shore
- LSZ266 Lake Superior east of a line from Manitou Island to Marquette MI and west of a line from Grand Marais MI to the U.S./Canadian border beyond 5 NM from shore
- LSZ267 Lake Superior from Grand Marais MI to Whitefish Point MI 5 NM offshore to the U.S./Canadian border

MARINE ZONES FOR WFO MARQUETTE, MI
(Special Marine Warning and Severe Local Storm Watch)



MARQUETTE, MI (MQT)

AREA OF RESPONSIBILITY BOUNDARIES for Lake Superior

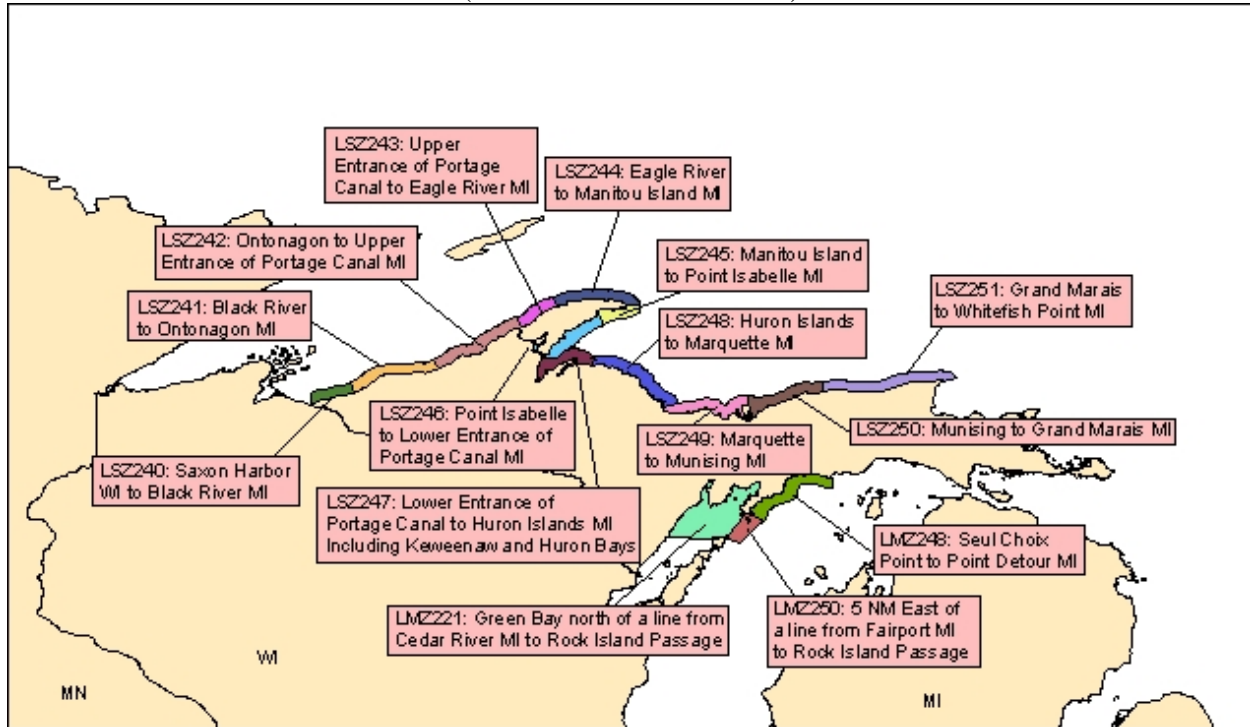
Lake Superior - WI/MI border to Whitefish Point, MI

- LSZ240 Saxon Harbor WI to Black River MI
- LSZ241 Black River to Ontonagon MI
- LSZ242 Ontonagon to Upper Entrance of Portage Canal MI
- LSZ243 Upper Entrance of Portage Canal to Eagle River MI
- LSZ244 Eagle River to Manitou Island MI
- LSZ245 Manitou Island to Point Isabelle MI
- LSZ246 Point Isabelle to Lower Entrance of Portage Canal MI
- LSZ247 Lower Entrance of Portage Canal to Huron Islands MI including Keweenaw and Huron Bays
- LSZ248 Huron Islands to Marquette MI
- LSZ249 Marquette to Munising MI
- LSZ250 Munising to Grand Marais MI
- LSZ251 Grand Marais to Whitefish Point MI
- LMZ221 Green Bay north of a line from Cedar River MI to Rock Island Passage
- LMZ248 Seul Choix Point to Point Detour MI
- LMZ250 5 NM East of a line from Fairport MI to Rock Island Passage
- LMZ261 Lake Michigan from Seul Choix Point to Rock Island Passage 5 NM offshore to mid lake
- LSZ263 Lake Superior from Saxon Harbor WI to Upper Entrance to Portage Canal MI 5 NM offshore to the U.S./Canadian border including Isle Royal National Park
- LSZ264 Lake Superior from Upper Entrance to Portage Canal to Manitou Island MI 5 NM offshore to the U.S./Canadian border

NWSI 10-302 OCTOBER 31, 2008

- LSZ265 Lake Superior west of a line from Manitou Island to Marquette MI beyond 5 NM from shore
- LSZ266 Lake Superior east of a line from Manitou Island to Marquette MI and west of a line from Grand Marais MI to the US/Canadian border beyond 5 NM from shore
- LSZ267 Lake Superior from Grand Marais MI to Whitefish Point MI 5 NM offshore to the U.S./Canadian border

MARINE ZONES FOR WFO MARQUETTE, MI
(Nearshore Marine Forecast)



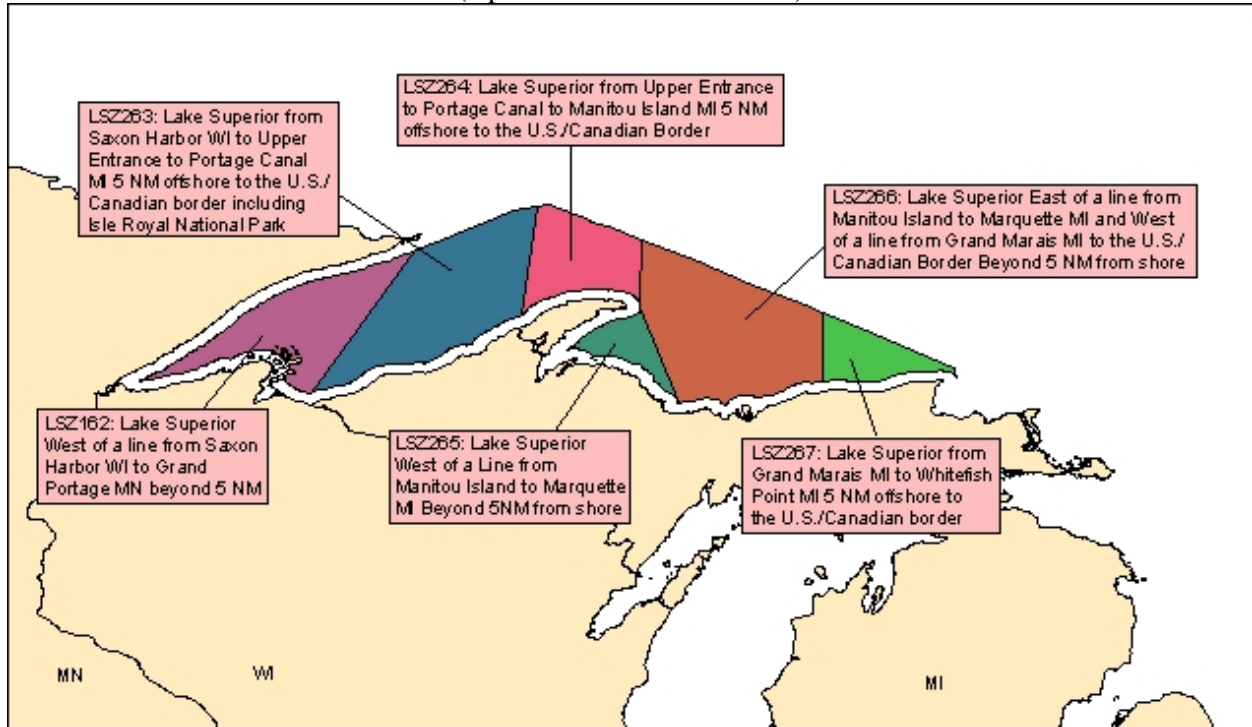
MARQUETTE, MI (MQT)

AREA OF RESPONSIBILITY BOUNDARIES for Lake Superior

Lake Superior - WI/MI border to Whitefish Point, MI

- LSZ240 Saxon Harbor WI to Black River MI
- LSZ241 Black River to Ontonagon MI
- LSZ242 Ontonagon to Upper Entrance of Portage Canal MI
- LSZ243 Upper Entrance of Portage Canal to Eagle River MI
- LSZ244 Eagle River to Manitou Island MI
- LSZ245 Manitou Island to Point Isabelle MI
- LSZ246 Point Isabelle to Lower Entrance of Portage Canal MI
- LSZ247 Lower Entrance of Portage Canal to Huron Islands MI including Keweenaw and Huron Bays
- LSZ248 Huron Islands to Marquette MI
- LSZ249 Marquette to Munising MI
- LSZ250 Munising to Grand Marais MI
- LSZ251 Grand Marais to Whitefish Point MI
- LMZ221 Green Bay north of a line from Cedar River MI to Rock Island Passage
- LMZ248 Seul Choix Point to Point Detour MI
- LMZ250 5 NM east of a line from Fairport MI to Rock Island Passage

MARINE AREAS FOR WFO MARQUETTE, MI
(Open Lake Marine Forecast)



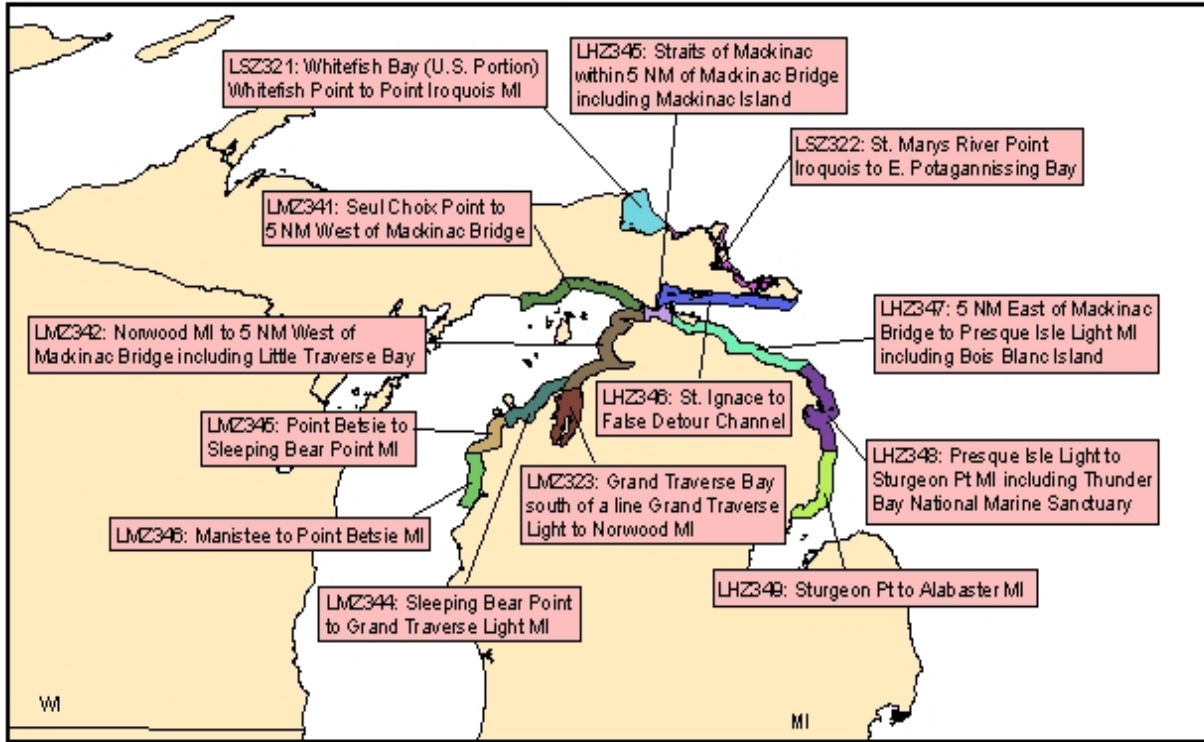
MARQUETTE, MI (MQT)

AREA OF RESPONSIBILITY BOUNDARIES for Lake Superior

Lake Superior - WI/MI border to Whitefish Point, MI

- LSZ162 Lake Superior west of a line from Saxon Harbor WI to Grand Portage MN beyond 5 NM
- LSZ263 Lake Superior from Saxon Harbor WI to Upper Entrance to Portage Canal MI 5 NM offshore to the U.S./Canadian border including Isle Royal National Park
- LSZ264 Lake Superior from Upper Entrance to Portage Canal to Manitou Island MI 5 NM offshore to the U.S./Canadian border
- LSZ265 Lake Superior west of a line from Manitou Island to Marquette MI beyond 5 NM from shore
- LSZ266 Lake Superior east of a line from Manitou Island to Marquette MI and west of a line from Grand Marais MI to the U.S./Canadian border beyond 5 NM from shore
- LSZ267 Lake Superior from Grand Marais MI to Whitefish Point MI 5 NM offshore to the U.S./Canadian border
- LSZ261 Lake Superior MAFOR

MARINE ZONES FOR WFO GAYLORD, MI
 (Nearshore Marine Forecast, Hazardous Weather Outlook, and Marine Weather Message)

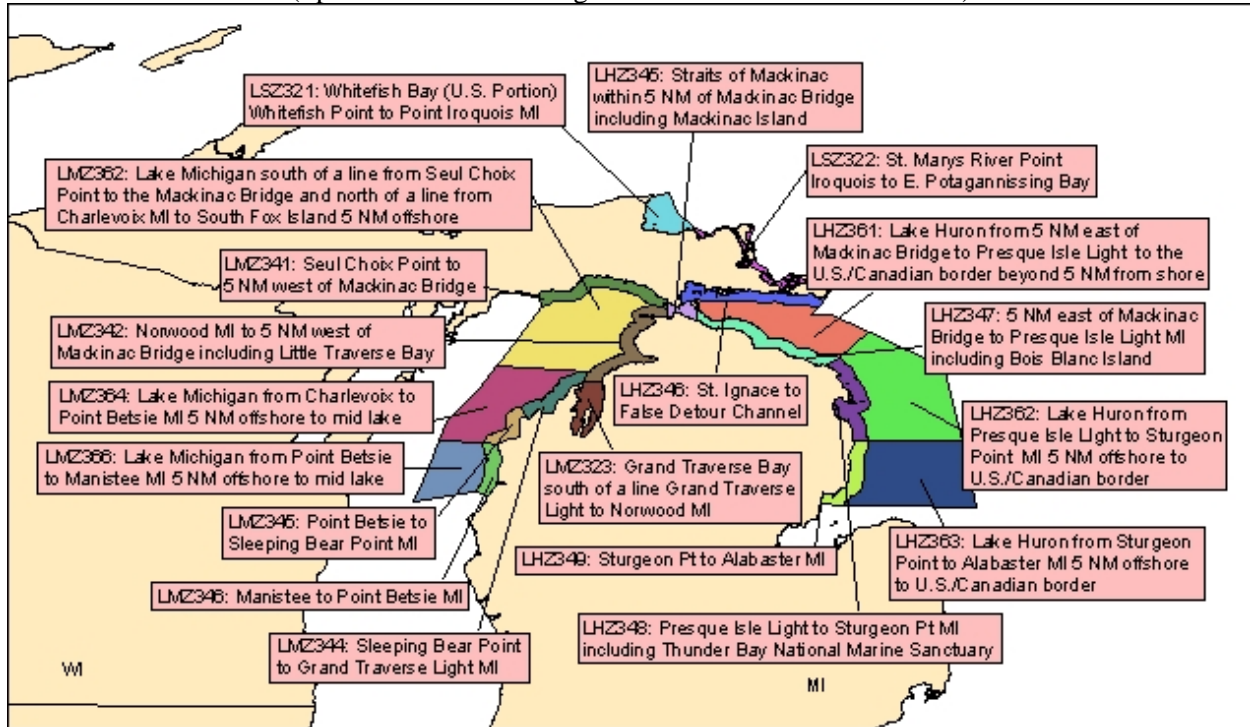


GAYLORD, MI (APX)

AREA OF RESPONSIBILITY BOUNDARIES for Lake Superior and Lake Michigan
 Lake Superior- U.S. Portion Whitefish Bay, St. Mary’s River, and Potagannissing Bay
 Lake Michigan - Mackinac Bridge to Schoolcraft/Mackinac county line and Mackinac Bridge to Manistee/Mason, MI county line
 Includes the Thunder Bay National Marine Sanctuary

- LSZ321 Whitefish Bay (U.S. Portion) Whitefish Point to Point Iroquois MI
- LSZ322 St. Marys River Point Iroquois to E. Potagannissing Bay
- LMZ341 Seul Choix Point to 5 NM west of Mackinac Bridge
- LMZ342 Norwood MI to 5 NM west of Mackinac Bridge including Little Traverse Bay
- LMZ323 Grand Traverse Bay south of a line Grand Traverse Light to Norwood MI
- LMZ344 Sleeping Bear Point to Grand Traverse Light MI
- LMZ345 Point Betsie to Sleeping Bear Point MI
- LMZ346 Manistee to Point Betsie MI
- LHZ345 Straits of Mackinac within 5 NM of Mackinac Bridge including Mackinac Island
- LHZ346 St. Ignace to False Detour Channel
- LHZ347 5 NM east of Mackinac Bridge to Presque Isle Light MI including Bois Blanc Island
- LHZ348 Presque Isle Light to Sturgeon Point MI including Thunder Bay National Marine Sanctuary
- LHZ349 Sturgeon Point to Alabaster MI

MARINE ZONES FOR WFO GAYLORD, MI
(Special Marine Warning and Severe Local Storm Watch)



GAYLORD, MI (APX)

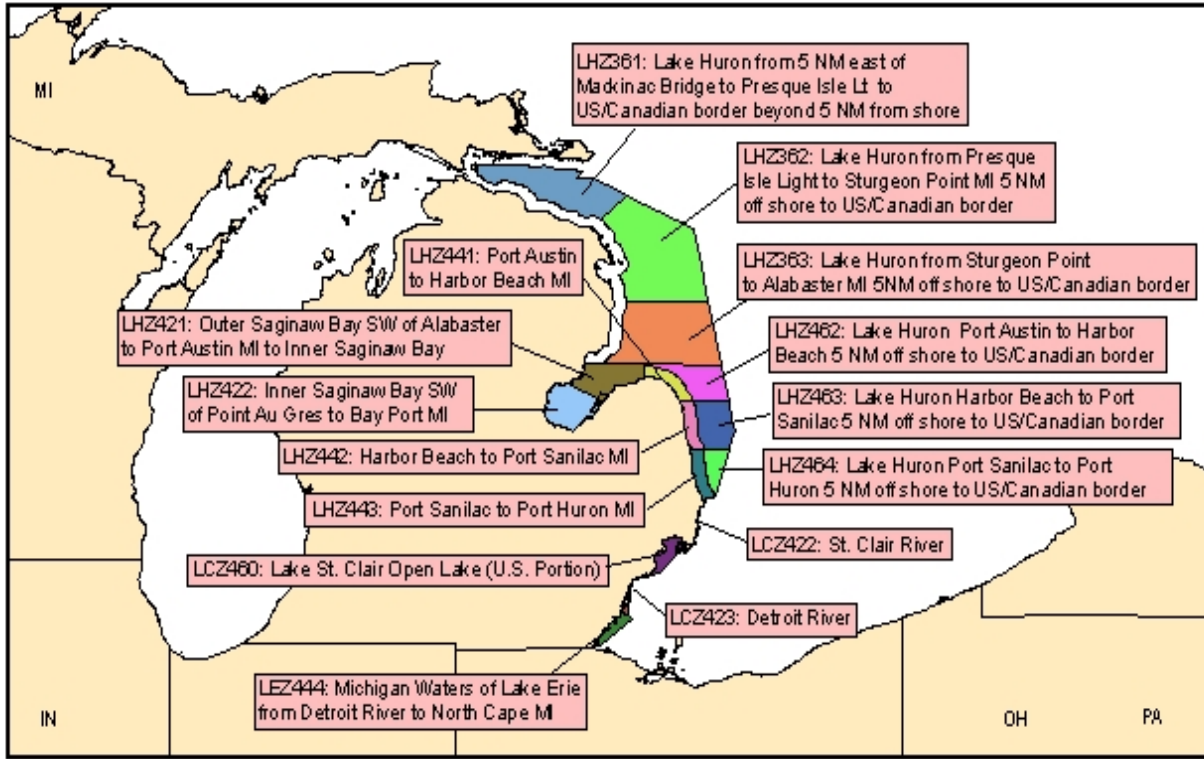
AREA OF RESPONSIBILITY BOUNDARIES for Lake Superior and Lake Michigan
 Lake Superior- U.S. Portion Whitefish Bay, St. Mary’s River, and Potagannissing Bay
 Lake Michigan - Mackinac Bridge to Schoolcraft/Mackinac county line and Mackinac Bridge to Manistee/Mason, MI county line
 Includes the Thunder Bay National Marine Sanctuary

- LSZ321 Whitefish Bay (U.S. Portion) Whitefish Point to Point Iroquois MI
- LSZ322 St. Marys River Point Iroquois to E. Potagannissing Bay
- LMZ341 Seul Choix Point to 5 NM west of Mackinac Bridge
- LMZ342 Norwood MI to 5 NM west of Mackinac Bridge including Little Traverse Bay
- LMZ323 Grand Traverse Bay south of a line Grand Traverse Light to Norwood MI
- LMZ344 Sleeping Bear Point to Grand Traverse Light MI
- LMZ345 Point Betsie to Sleeping Bear Point MI
- LMZ346 Manistee to Point Betsie MI
- LHZ345 Straits of Mackinac within 5 NM of Mackinac Bridge including Mackinac Island
- LHZ346 St. Ignace to False Detour Channel
- LHZ347 5 NM east of Mackinac Bridge to Presque Isle Light MI including Bois Blanc Island
- LHZ348 Presque Isle Light to Sturgeon Point MI including Thunder Bay National Marine Sanctuary
- LHZ349 Sturgeon Point to Alabaster MI
- LMZ362 Lake Michigan south of a line from Seul Choix Point to the Mackinac Bridge and north of a line from Charlevoix MI to South Fox Island 5 NM offshore
- LMZ364 Lake Michigan from Charlevoix to Point Betsie MI 5 NM offshore to mid lake
- LMZ366 Lake Michigan from Point Betsie to Manistee MI 5 NM offshore to mid lake

NWSI 10-302 OCTOBER 31, 2008

- LHZ361 Lake Huron from 5 NM east of Mackinac Bridge to Presque Isle Light to the U.S./Canadian border beyond 5 NM from shore
- LHZ362 Lake Huron from Presque Isle Light to Sturgeon Point MI 5 NM offshore to the U.S./Canadian border
- LHZ363 Lake Huron from Sturgeon Point to Alabaster MI 5 NM offshore to the U.S./Canadian border

MARINE ZONES FOR WFO DETROIT, MI
(Hazardous Weather Outlook and Marine Weather Message)

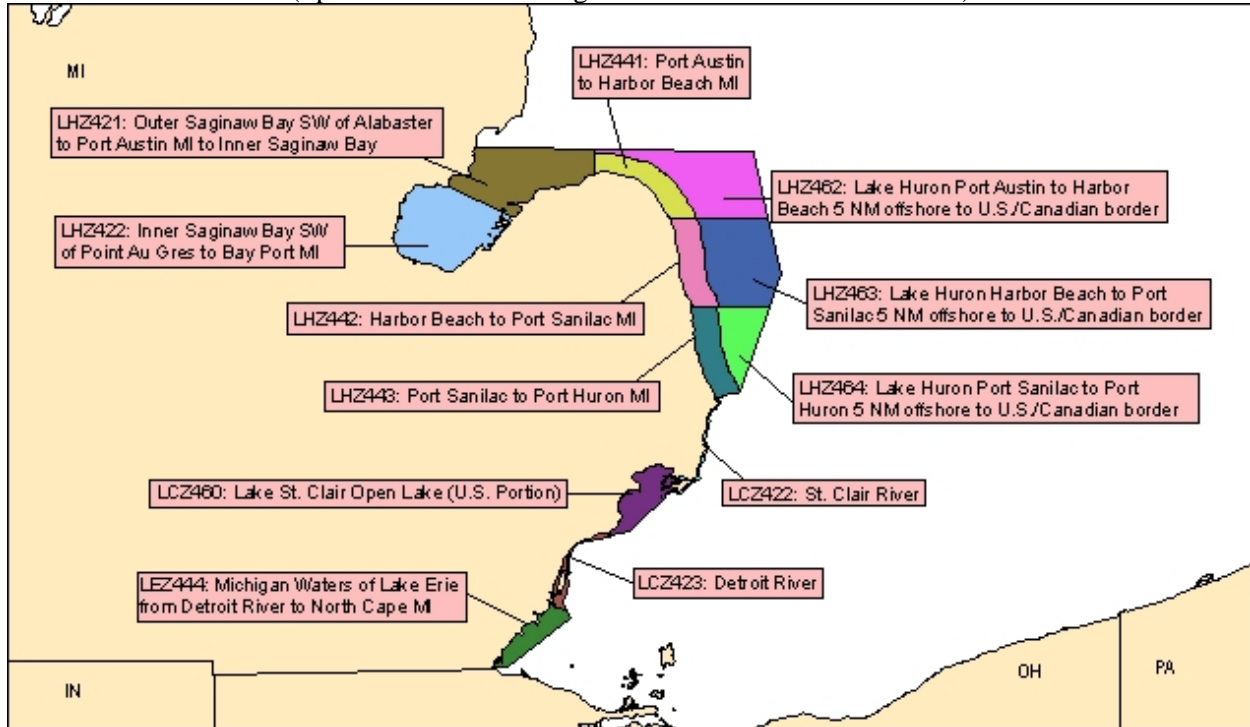


DETROIT, MI (DTX)

AREA OF RESPONSIBILITY BOUNDARIES for Lake Huron to St. Clair River
Lake Huron - Iosco/Arenac, MI county line to Port Huron

- LHZ421 Outer Saginaw Bay SW of Alabaster to Port Austin MI to Inner Saginaw Bay
- LHZ422 Inner Saginaw Bay SW of Point Au Gres to Bay Port MI
- LHZ441 Port Austin to Harbor Beach MI
- LHZ442 Harbor Beach to Port Sanilac MI
- LHZ443 Port Sanilac to Port Huron MI
- LCZ422 St. Clair River
- LCZ423 Detroit River
- LCZ460 Lake St. Clair Open Lake (U.S. Portion)
- LEZ444 Michigan waters of Lake Erie from Detroit River to North Cape MI
- LHZ361 Lake Huron from 5 NM east of Mackinac Bridge to Presque Isle Light MI to the U.S./Canadian border 5 NM offshore
- LHZ362 Lake Huron from Presque Isle Light to Sturgeon Point MI 5 NM offshore to the U.S./Canadian border
- LHZ363 Lake Huron from Sturgeon Point to Alabaster MI 5 NM offshore to the U.S./Canadian border
- LHZ462 Lake Huron Port Austin to Harbor Beach MI 5 NM offshore to U.S./Canadian border
- LHZ463 Lake Huron Harbor Beach to Port Sanilac MI 5 NM offshore to U.S./Canadian border
- LHZ464 Lake Huron Port Sanilac to Port Huron 5 NM offshore to U.S./Canadian border

MARINE ZONES FOR WFO DETROIT, MI
(Special Marine Warning and Severe Local Storm Watch)



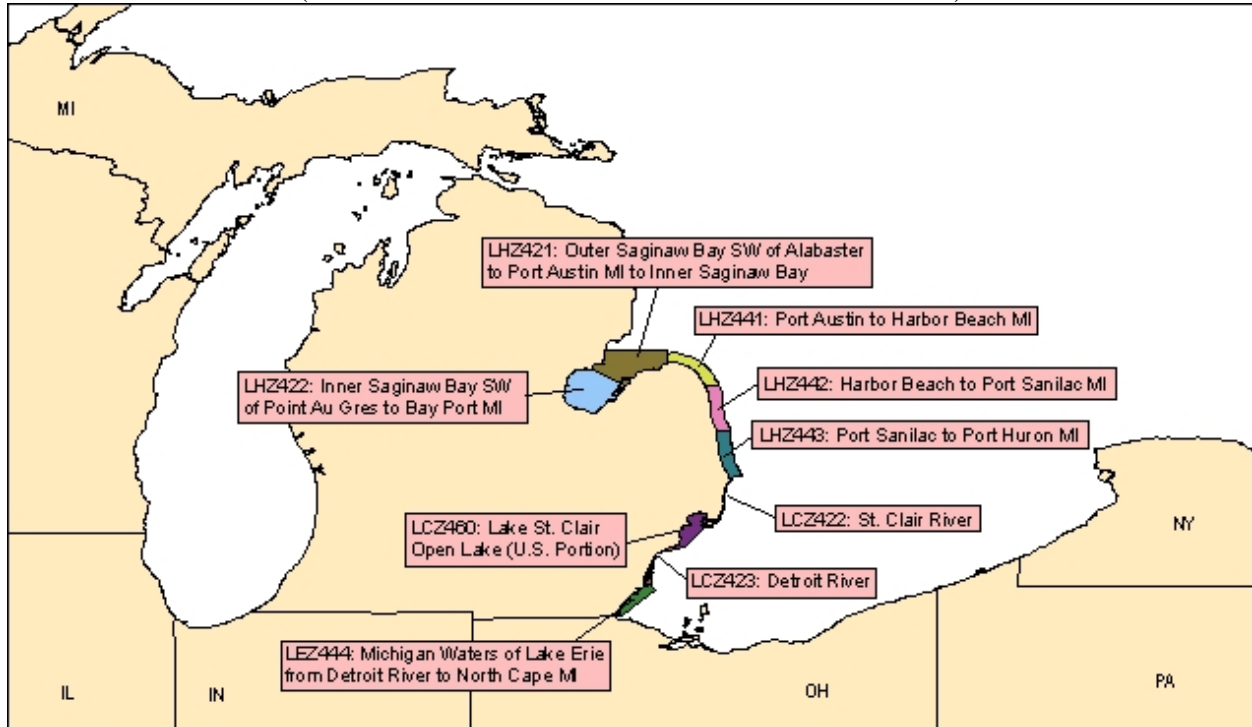
DETROIT, MI (DTX)

AREA OF RESPONSIBILITY BOUNDARIES for Lake Huron to St. Clair River

Lake Huron - Iosco/Arenac, MI county line to Port Huron

- LHZ421 Outer Saginaw Bay SW of Alabaster to Port Austin MI to Inner Saginaw Bay
- LHZ422 Inner Saginaw Bay SW of Point Au Gres to Bay Port MI
- LHZ441 Port Austin to Harbor Beach MI
- LHZ442 Harbor Beach to Port Sanilac MI
- LHZ443 Port Sanilac to Port Huron MI
- LCZ422 St. Clair River
- LCZ423 Detroit River
- LCZ460 Lake St. Clair Open Lake (U.S. Portion)
- LEZ444 Michigan waters of Lake Erie from Detroit River to North Cape MI
- LHZ462 Lake Huron from Port Austin to Harbor Beach MI 5 NM offshore to U.S./Canadian border
- LHZ463 Lake Huron from Harbor Beach to Port Sanilac MI 5 NM offshore to U.S./Canadian border
- LHZ464 Lake Huron from Port Sanilac to Port Huron 5 NM offshore to U.S./Canadian border

MARINE ZONES FOR WFO DETROIT, MI
(Nearshore Marine Forecast and Lake St. Clair Forecast)



DETROIT, MI (DTX)

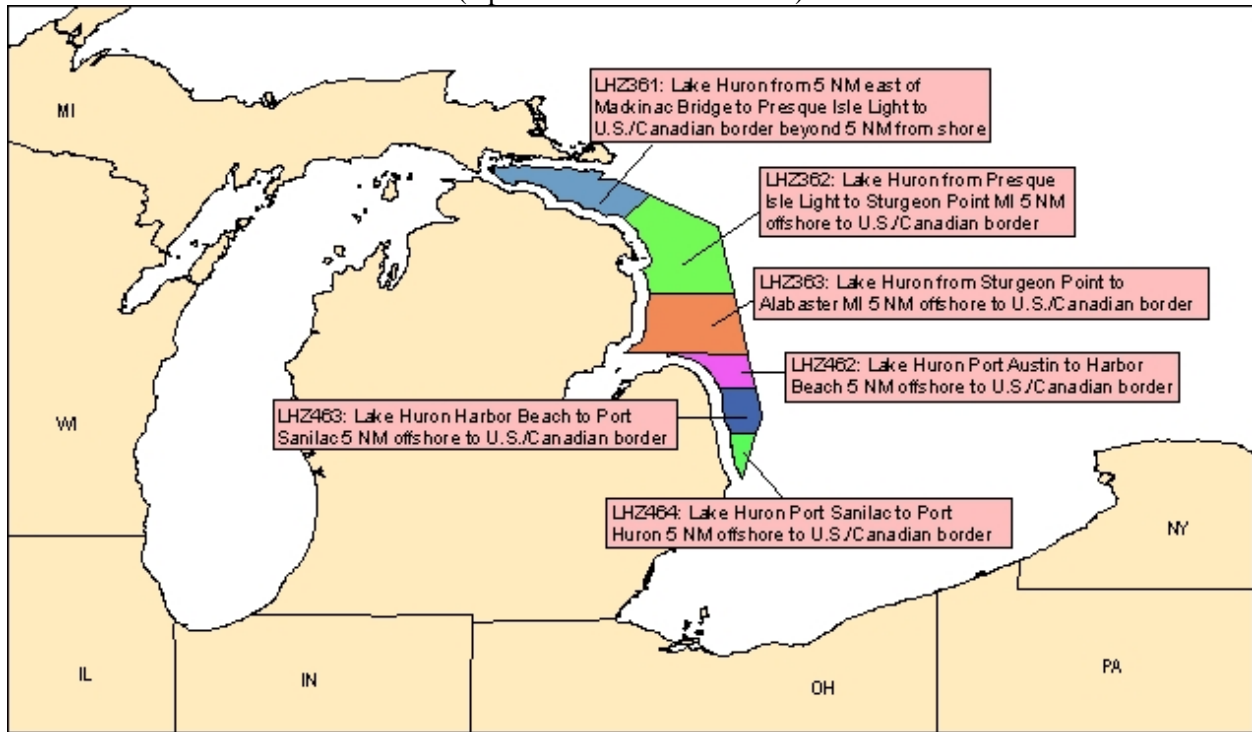
AREA OF RESPONSIBILITY BOUNDARIES for Lake Huron to St. Clair River

Lake Huron - Iosco/Arenac, MI county line to Port Huron

- LHZ421 Outer Saginaw Bay SW of Alabaster to Port Austin MI to Inner Saginaw Bay
- LHZ422 Inner Saginaw Bay SW of Point Au Gres to Bay Port MI
- LHZ441 Port Austin to Harbor Beach MI
- LHZ442 Harbor Beach to Port Sanilac MI
- LHZ443 Port Sanilac to Port Huron MI
- LCZ422 St. Clair River
- LCZ423 Detroit River
- LCZ460 Lake St. Clair Open Lake (U.S. Portion)
- LEZ444 Michigan waters of Lake Erie from Detroit River to North Cape MI

MARINE ZONES FOR WFO DETROIT, MI

(Open Lake Marine Forecast)



DETROIT, MI (DTX)

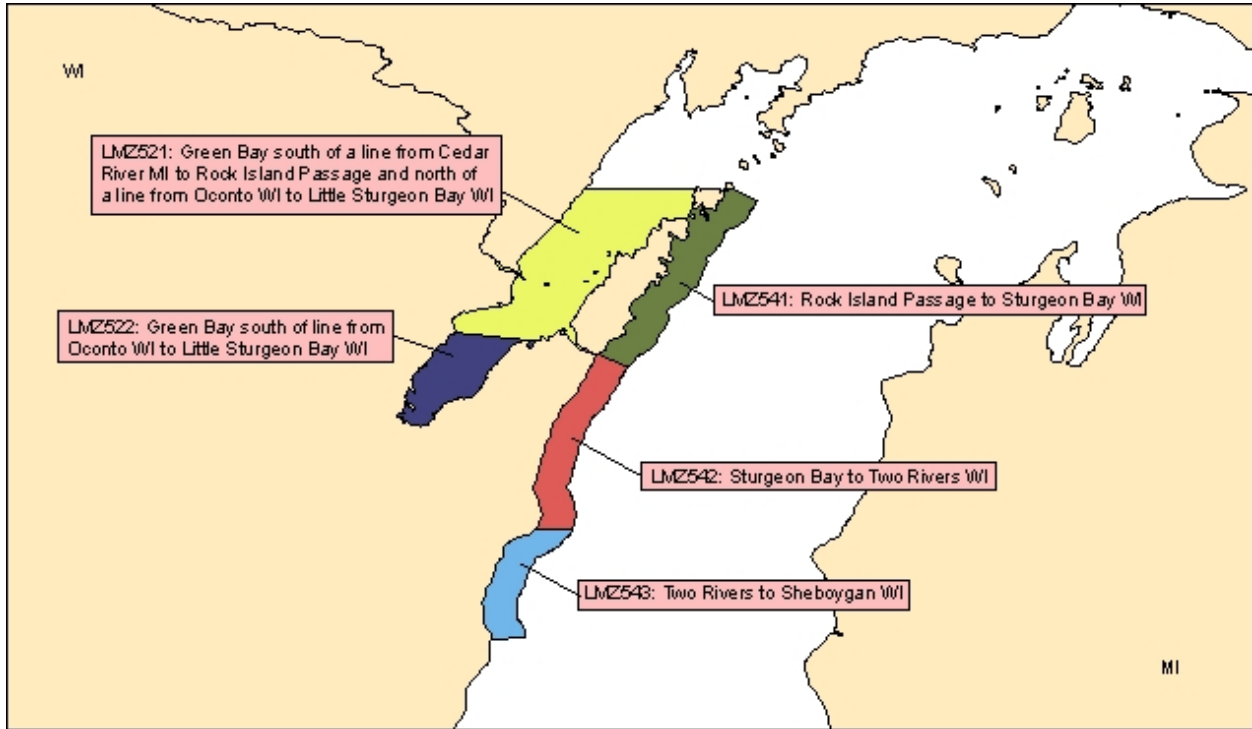
AREA OF RESPONSIBILITY BOUNDARIES for Lake Huron to St. Clair River

Lake Huron - Iosco/Arenac, MI county line to Port Huron

- LHZ361 Lake Huron from 5 NM east of Mackinac Bridge to Presque Isle Light MI to the U.S./Canadian border 5 NM offshore
- LHZ362 Lake Huron from Presque Isle Light to Sturgeon Point MI 5 NM offshore to the U.S./Canadian border
- LHZ363 Lake Huron from Sturgeon Point to Alabaster MI 5 NM offshore to the U.S./Canadian border
- LHZ462 Lake Huron Port Austin to Harbor Beach MI 5 NM offshore to U.S./Canadian border
- LHZ463 Lake Huron Harbor Beach to Port Sanilac MI 5 NM offshore to U.S./Canadian border
- LHZ464 Lake Huron Port Sanilac to Port Huron 5 NM offshore to U.S./Canadian border
- LHZ461 Lake Huron MAFOR

MARINE ZONES FOR WFO GREEN BAY, WI

(Nearshore Marine Forecast, Hazardous Weather Outlook, and Marine Weather Message)



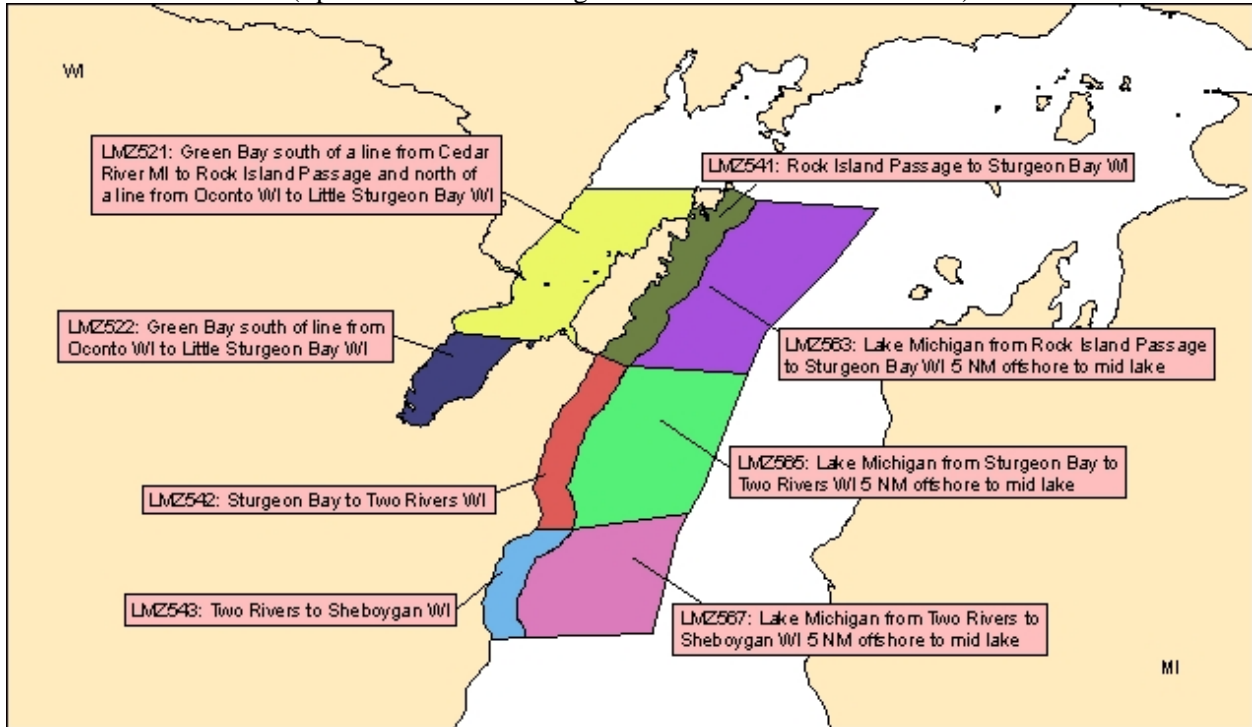
GREEN BAY, WI (GRB)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - Rock Island Passage to Manitowoc/Sheboygan, WI county line including southern three-quarters of Bay of Green Bay

- | | |
|--------|---|
| LMZ521 | Green Bay south of line from Cedar River MI to Rock Island Passage and north of a line from Oconto WI to Little Sturgeon Bay WI |
| LMZ522 | Green Bay south of a line from Oconto WI to Little Sturgeon Bay WI |
| LMZ541 | Rock Island Passage to Sturgeon Bay WI |
| LMZ542 | Sturgeon Bay to Two Rivers WI |
| LMZ543 | Two Rivers to Sheboygan WI |

MARINE ZONES FOR WFO GREEN BAY, WI
(Special Marine Warning and Severe Local Storm Watch)



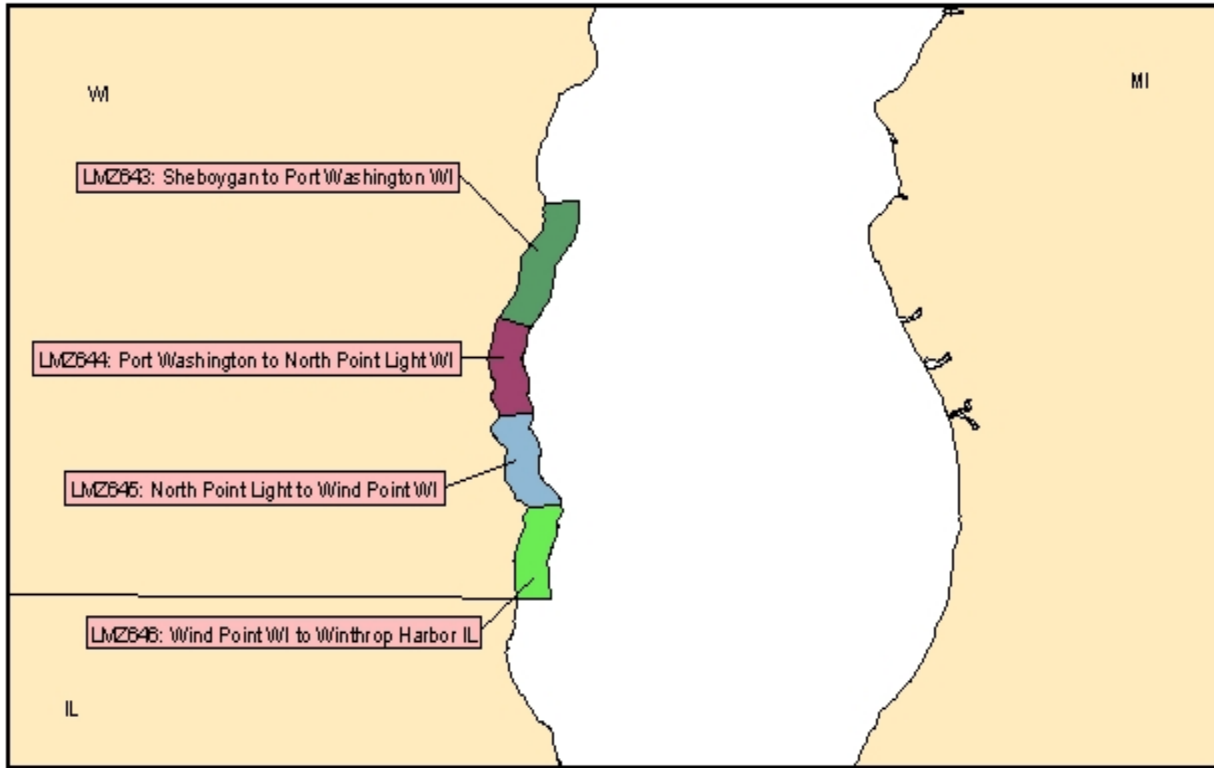
GREEN BAY, WI (GRB)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - Rock Island Passage to Manitowoc/Sheboygan, WI county line including southern three-quarters of Bay of Green Bay

- LMZ521 Green Bay south of line from Cedar River MI to Rock Island Passage and north of a line from Oconto WI to Little Sturgeon Bay WI
- LMZ522 Green Bay south of a line from Oconto WI to Little Sturgeon Bay WI
- LMZ541 Rock Island Passage to Sturgeon Bay WI
- LMZ542 Sturgeon Bay to Two Rivers WI
- LMZ543 Two Rivers to Sheboygan WI
- LMZ563 Lake Michigan from Rock Island Passage to Sturgeon Bay WI 5 NM offshore to mid lake
- LMZ565 Lake Michigan from Sturgeon Bay to Two Rivers WI 5 NM offshore to mid lake
- LMZ567 Lake Michigan from Two Rivers to Sheboygan WI 5 NM offshore to mid lake

MARINE ZONES FOR WFO MILWAUKEE - SULLIVAN, WI
(Nearshore Marine Forecast, Hazardous Weather Outlook, and Marine Weather Message)



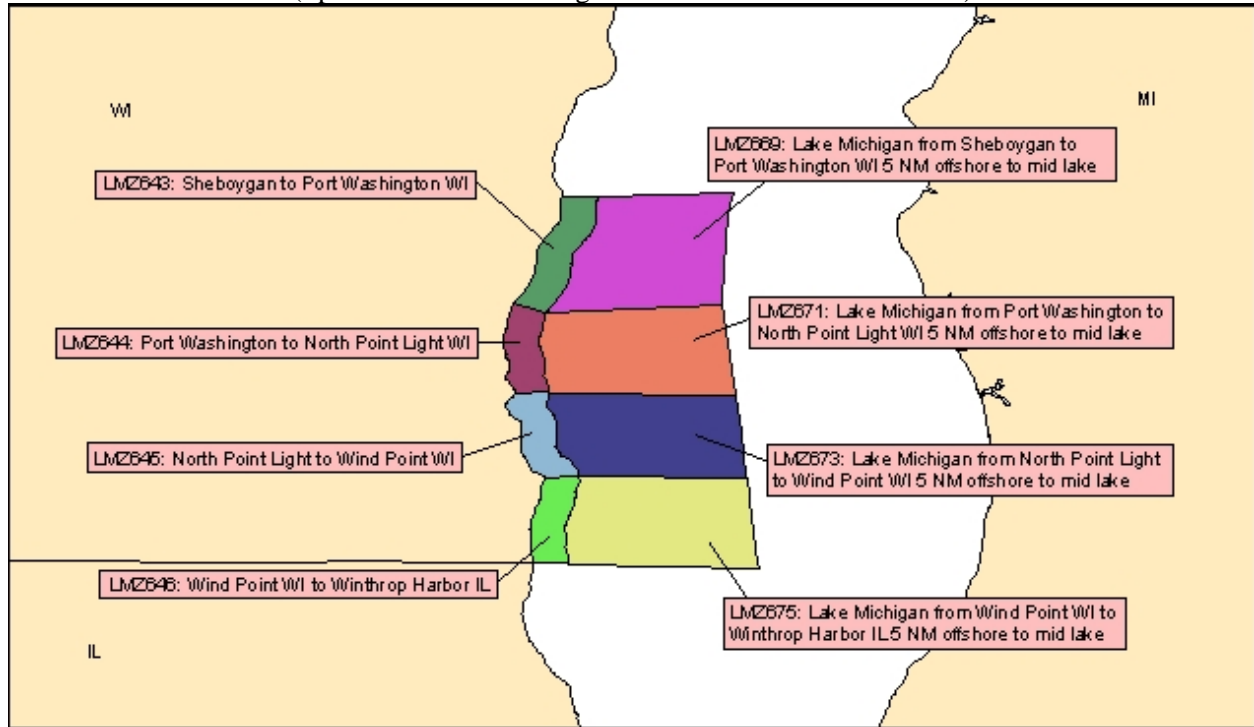
MILWAUKEE - SULLIVAN, WI (MKX)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - Manitowoc/ Sheboygan, WI county line to IL/WI border

- | | |
|--------|---|
| LMZ643 | Sheboygan to Port Washington WI |
| LMZ644 | Port Washington to North Point Light WI |
| LMZ645 | North Point Light to Wind Point WI |
| LMZ646 | Wind Point WI to Winthrop Harbor IL |

MARINE ZONES FOR WFO MILWAUKEE - SULLIVAN, WI
(Special Marine Warning and Severe Local Storm Watch)



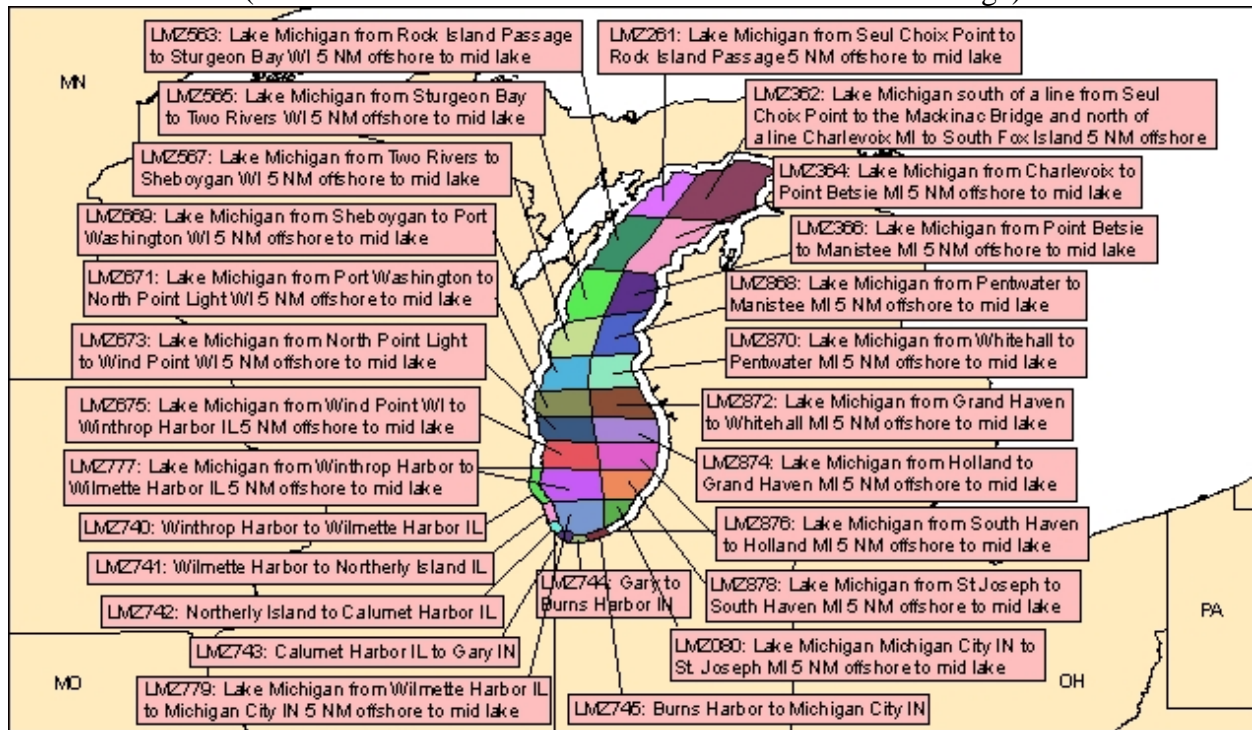
MILWAUKEE - SULLIVAN, WI (MKX)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - Manitowoc/ Sheboygan, WI county line to IL/WI border

- LMZ643 Sheboygan to Port Washington WI
- LMZ644 Port Washington to North Point Light WI
- LMZ645 North Point Light to Wind Point WI
- LMZ646 Wind Point WI to Winthrop Harbor IL
- LMZ669 Lake Michigan from Sheboygan to Port Washington WI 5 NM offshore to mid lake
- LMZ671 Lake Michigan from Port Washington to North Point Light WI 5 NM offshore to mid lake
- LMZ673 Lake Michigan from North Point Light to Wind Point WI 5 NM offshore to mid lake
- LMZ675 Lake Michigan from Wind Point WI to Winthrop Harbor IL 5 NM offshore to mid lake

MARINE ZONES FOR WFO CHICAGO, IL
(Hazardous Weather Outlook and Marine Weather Message)



CHICAGO, IL (LOT)

AREA OF RESPONSIBILITY BOUNDARIES

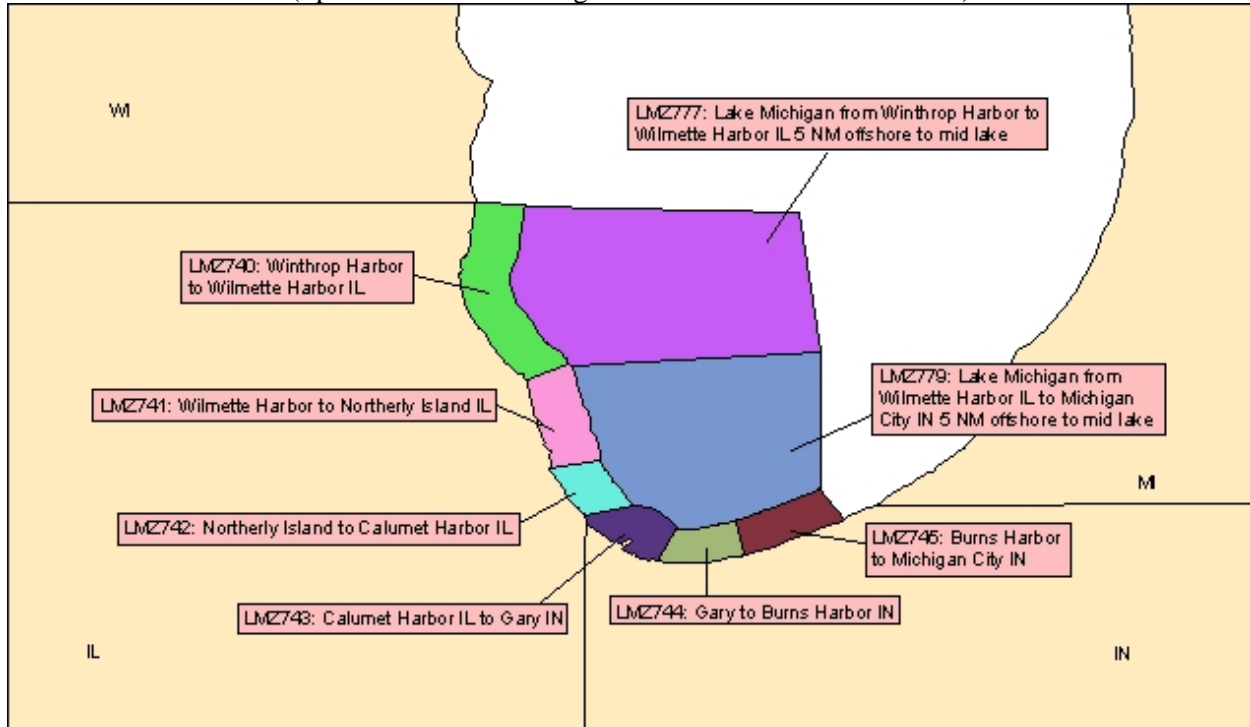
Lake Michigan - IL/WI border to Michigan City IN

- LMZ740 Winthrop Harbor to Wilmette Harbor IL
- LMZ741 Wilmette Harbor to Northerly Island IL
- LMZ742 Northerly Island to Calumet Harbor IL
- LMZ743 Calumet Harbor IL to Gary IN
- LMZ744 Gary to Burns Harbor IN
- LMZ745 Burns Harbor to Michigan City IN
- LMZ261 Lake Michigan from Seul Choix Point to Rock Island Passage 5 NM offshore to mid lake
- LMZ362 Lake Michigan south of a line from Seul Choix Point to the Mackinac Bridge and north of a line from Charlevoix MI to South Fox Island 5 NM offshore
- LMZ364 Lake Michigan from Charlevoix to Point Betsie MI 5 NM offshore to mid lake
- LMZ366 Lake Michigan from Point Betsie to Manistee MI 5 NM offshore to mid lake
- LMZ563 Lake Michigan from Rock Island Passage to Sturgeon Bay WI 5 NM offshore to mid lake
- LMZ565 Lake Michigan from Sturgeon Bay to Two Rivers WI 5 NM offshore to mid lake
- LMZ567 Lake Michigan from Two Rivers to Sheboygan WI 5 NM offshore to mid lake
- LMZ669 Lake Michigan from Sheboygan to Port Washington WI 5 NM offshore to mid lake
- LMZ671 Lake Michigan from Port Washington to North Point Light WI 5 NM offshore to mid lake
- LMZ673 Lake Michigan from North Point Light to Wind Point WI 5 NM offshore to mid lake
- LMZ675 Lake Michigan from Wind Point WI to Winthrop Harbor IL 5 NM offshore to mid lake
- LMZ777 Lake Michigan from Winthrop Harbor to Wilmette Harbor IL 5 NM offshore to mid lake
- LMZ779 Lake Michigan from Wilmette Harbor IL to Michigan City IN 5 NM offshore to mid lake
- LMZ080 Lake Michigan from Michigan City IN to St. Joseph MI 5 NM offshore to mid lake

NWSI 10-302 OCTOBER 31, 2008

LMZ878 Lake Michigan from St. Joseph to South Haven MI 5 NM offshore to mid lake
LMZ876 Lake Michigan from South Haven to Holland MI 5 NM offshore to mid lake
LMZ874 Lake Michigan from Holland to Grand Haven MI 5 NM offshore to mid lake
LMZ872 Lake Michigan from Grand Haven to Whitehall MI 5 NM offshore to mid lake
LMZ870 Lake Michigan from Whitehall to Pentwater MI 5 NM offshore to mid lake
LMZ868 Lake Michigan from Pentwater to Manistee MI 5 NM offshore to mid lake

MARINE ZONES FOR WFO CHICAGO, IL
(Special Marine Warning and Severe Local Storm Watch)



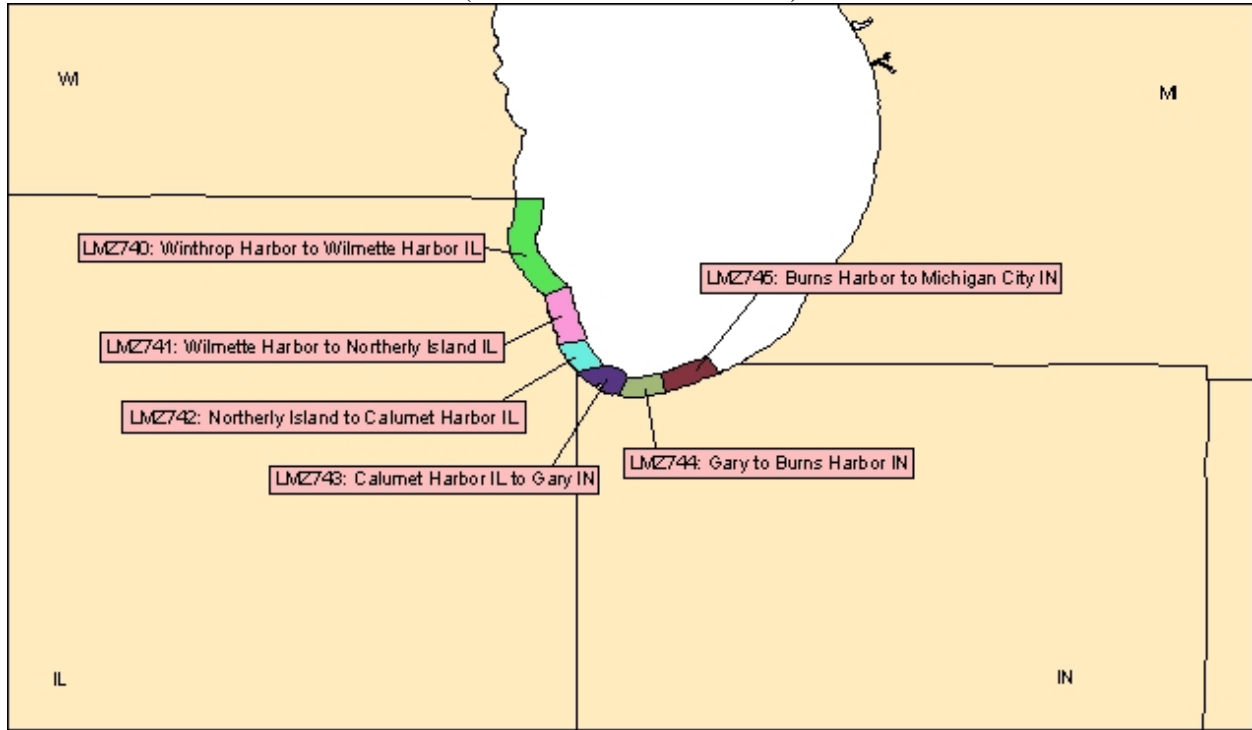
CHICAGO, IL (LOT)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - IL/WI border to Michigan City IN

- | | |
|--------|---|
| LMZ740 | Winthrop Harbor to Wilmette Harbor IL |
| LMZ741 | Wilmette Harbor to Northerly Island IL |
| LMZ742 | Northerly Island to Calumet Harbor IL |
| LMZ743 | Calumet Harbor IL to Gary IN |
| LMZ744 | Gary to Burns Harbor IN |
| LMZ745 | Burns Harbor to Michigan City IN |
| LMZ777 | Lake Michigan from Winthrop Harbor to Wilmette Harbor IL 5 NM offshore to mid lake |
| LMZ779 | Lake Michigan from Wilmette Harbor IL to Michigan City IN 5 NM offshore to mid lake |

MARINE ZONES FOR WFO CHICAGO, IL
(Nearshore Marine Forecast)



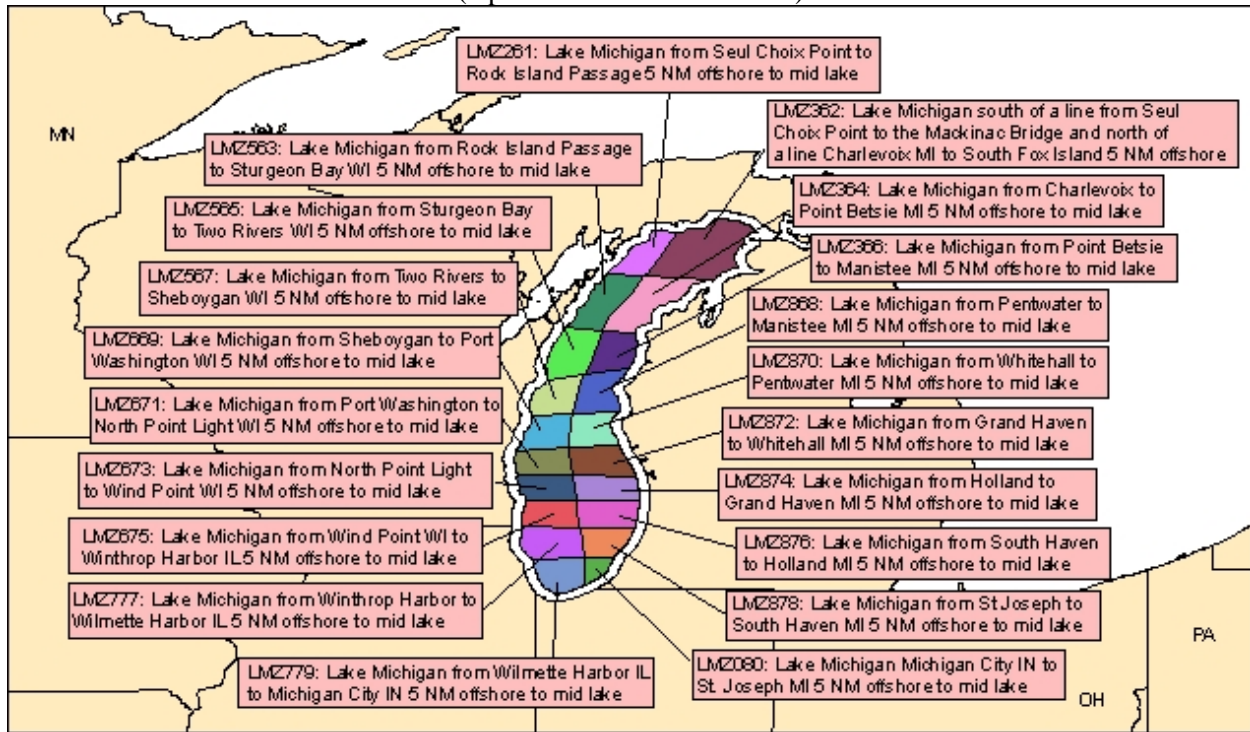
CHICAGO, IL (LOT)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - IL/WI border to Michigan City IN

- LMZ740 Winthrop Harbor to Wilmette Harbor IL
- LMZ741 Wilmette Harbor to Northerly Island IL
- LMZ742 Northerly Island to Calumet Harbor IL
- LMZ743 Calumet Harbor IL to Gary IN
- LMZ744 Gary to Burns Harbor IN
- LMZ745 Burns Harbor to Michigan City IN

(Open Lake Marine Forecast)



CHICAGO, IL (LOT)

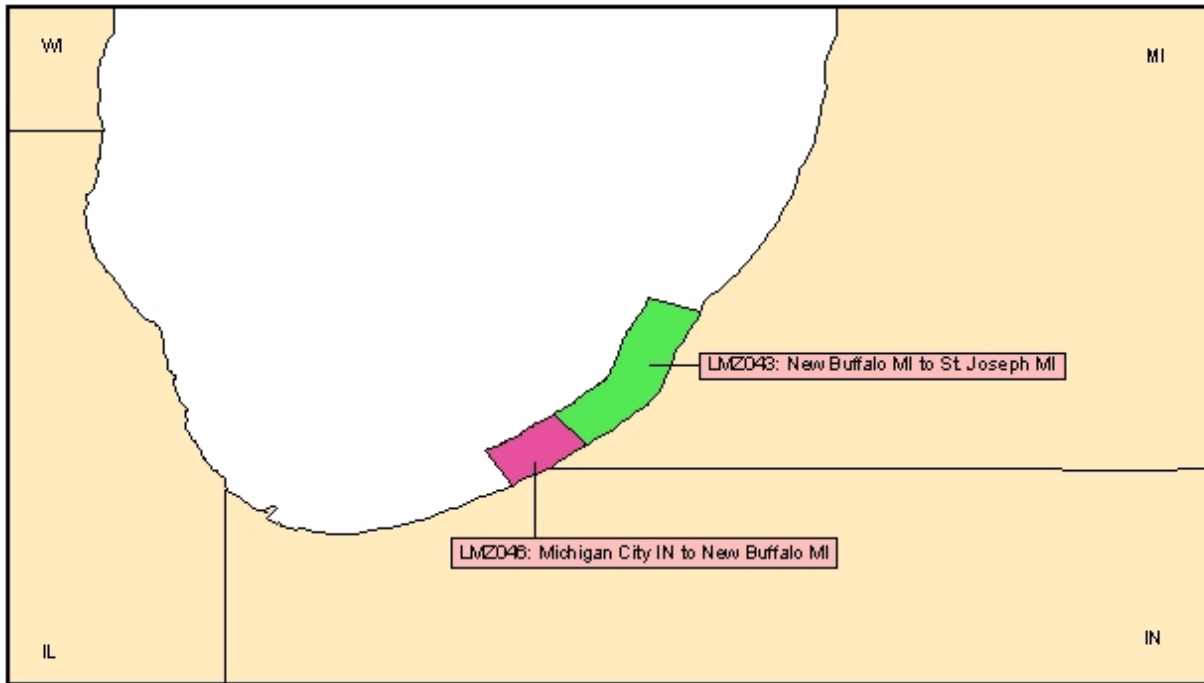
AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - IL/WI border to Michigan City IN

- LMZ261 Lake Michigan from Seul Choix Point to Rock Island Passage 5 NM offshore to mid lake
- LMZ362 Lake Michigan south of a line from Seul Choix Point to the Mackinac Bridge and north of a line from Charlevoix MI to South Fox Island 5 NM offshore
- LMZ364 Lake Michigan from Charlevoix to Point Betsie MI 5 NM offshore to mid lake
- LMZ366 Lake Michigan from Point Betsie to Manistee MI 5 NM offshore to mid lake
- LMZ563 Lake Michigan from Rock Island Passage to Sturgeon Bay WI 5 NM offshore to mid lake
- LMZ565 Lake Michigan from Sturgeon Bay to Two Rivers WI 5 NM offshore to mid lake
- LMZ567 Lake Michigan from Two Rivers to Sheboygan WI 5 NM offshore to mid lake
- LMZ669 Lake Michigan from Sheboygan to Port Washington WI 5 NM offshore to mid lake
- LMZ671 Lake Michigan from Port Washington to North Point Light WI 5 NM offshore to mid lake
- LMZ673 Lake Michigan from North Point Light to Wind Point WI 5 NM offshore to mid lake
- LMZ675 Lake Michigan from Wind Point WI to Winthrop Harbor IL 5 NM offshore to mid lake
- LMZ777 Lake Michigan from Winthrop Harbor to Wilmette Harbor IL 5 NM offshore to mid lake
- LMZ779 Lake Michigan from Wilmette Harbor IL to Michigan City IN 5 NM offshore to mid lake
- LMZ080 Lake Michigan from Michigan City IN to St. Joseph MI 5 NM offshore to mid lake
- LMZ878 Lake Michigan from St. Joseph to South Haven MI 5 NM offshore to mid lake
- LMZ876 Lake Michigan from South Haven to Holland MI 5 NM offshore to mid lake
- LMZ874 Lake Michigan from Holland to Grand Haven MI 5 NM offshore to mid lake
- LMZ872 Lake Michigan from Grand Haven to Whitehall MI 5 NM offshore to mid lake
- LMZ870 Lake Michigan from Whitehall to Pentwater MI 5 NM offshore to mid lake
- LMZ868 Lake Michigan from Pentwater to Manistee MI 5 NM offshore to mid lake

LMZ761 Lake Michigan MAFOR

MARINE ZONES FOR WFO NORTHERN INDIANA, IN
(Nearshore Marine Forecast, Hazardous Weather Outlook, and Marine Weather Message)



NORTHERN INDIANA, IN (IWX)

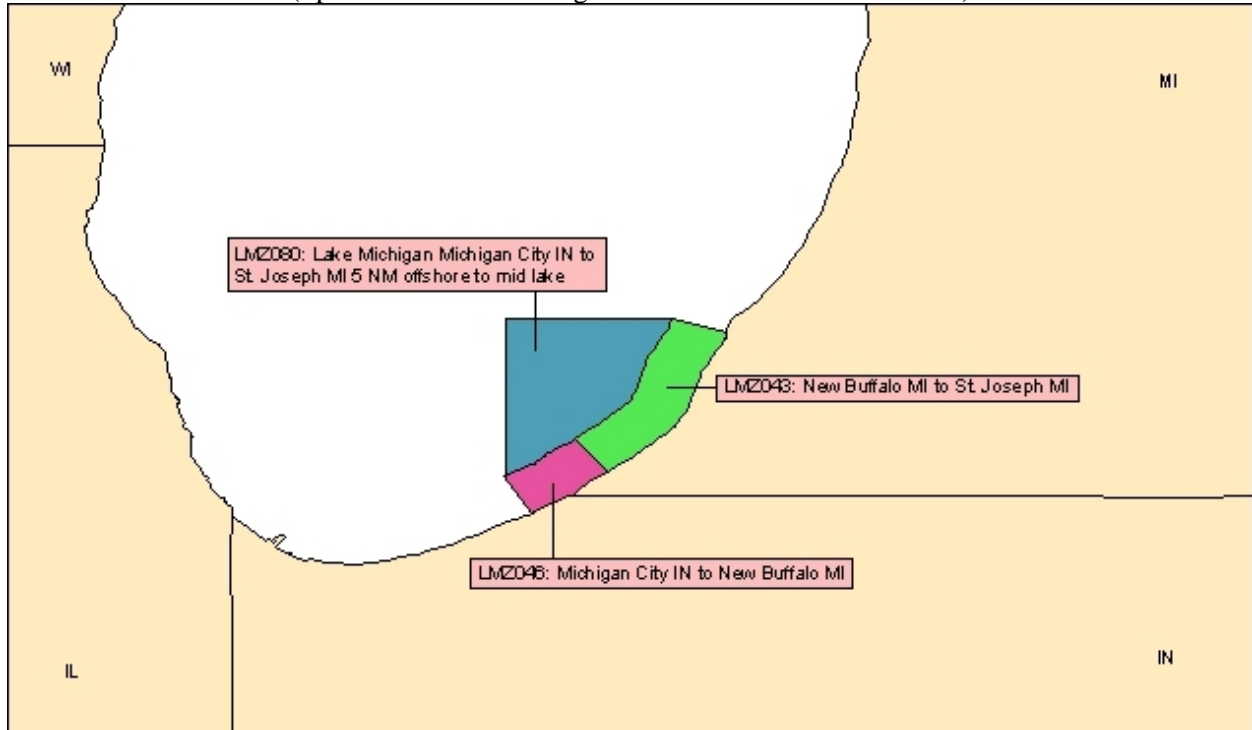
AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan – Michigan City, IN to St Joseph, MI

LMZ046 Michigan City IN to New Buffalo MI

LMZ043 New Buffalo MI to St. Joseph MI

MARINE ZONES FOR WFO NORTHERN INDIANA, IN
(Special Marine Warning and Severe Local Storm Watch)



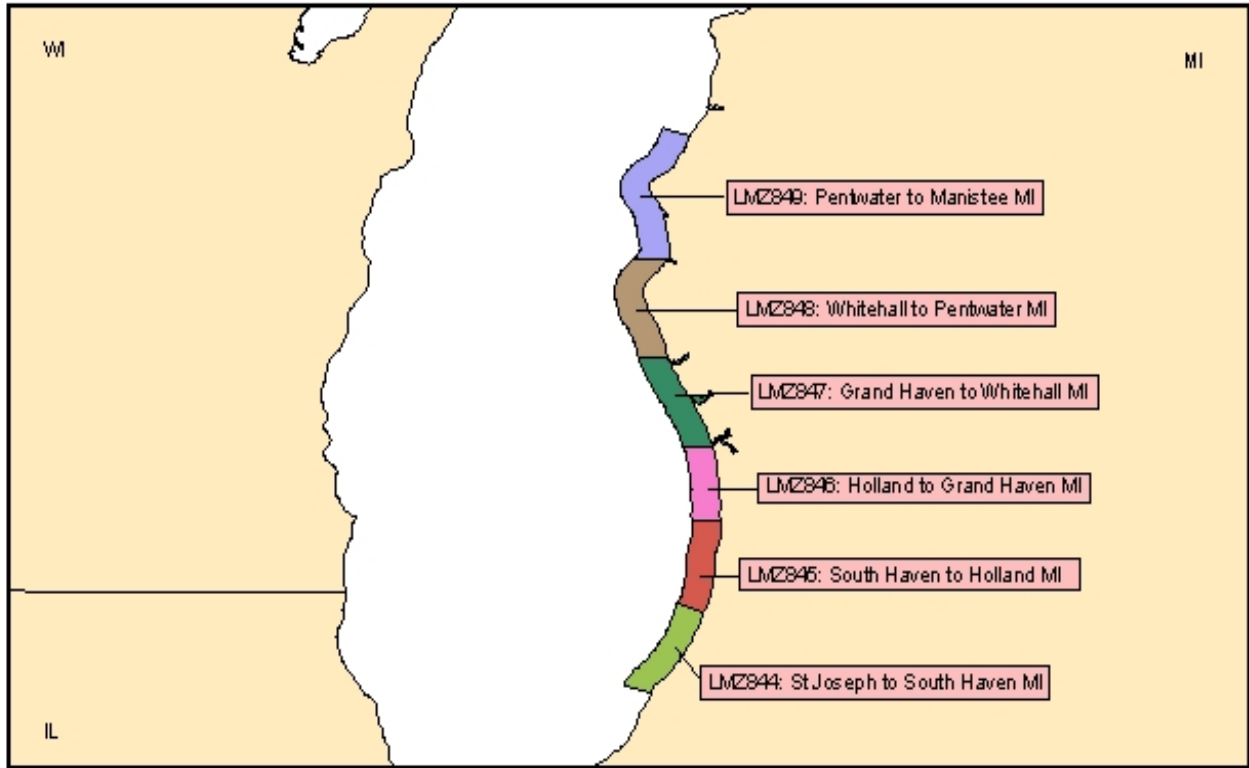
NORTHERN INDIANA, IN (IWX)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan – Michigan City, IN to St Joseph, MI

- LMZ046 Michigan City IN to New Buffalo MI
- LMZ043 New Buffalo MI to St. Joseph MI
- LMZ080 Lake Michigan from Michigan City IN to St. Joseph MI to 5 NM offshore to mid lake

MARINE ZONES FOR WFO GRAND RAPIDS, MI
(Nearshore Marine Forecast, Hazardous Weather Outlook, and Marine Weather Message)



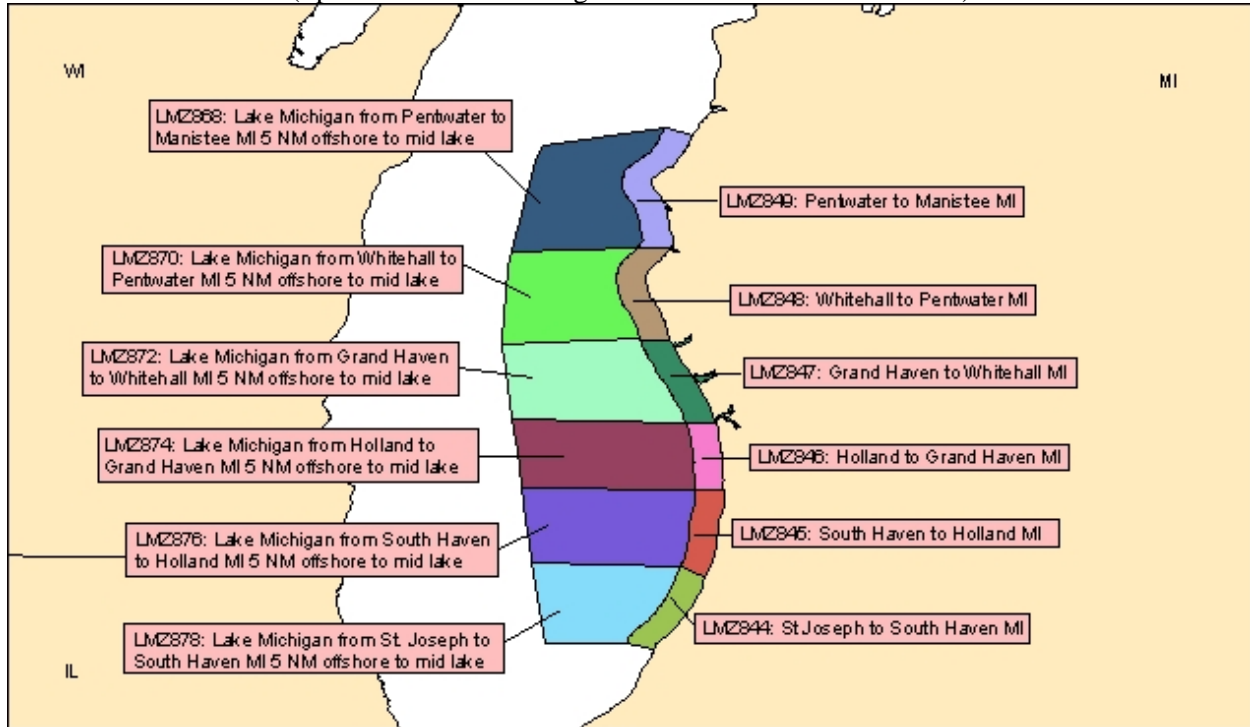
GRAND RAPIDS, MI (GRR)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - St. Joseph, MI to Manistee/Mason, MI county line

- | | |
|--------|-----------------------------|
| LMZ844 | St Joseph to South Haven MI |
| LMZ845 | South Haven to Holland MI |
| LMZ846 | Holland to Grand Haven MI |
| LMZ847 | Grand Haven to Whitehall MI |
| LMZ848 | Whitehall to Pentwater MI |
| LMZ849 | Pentwater to Manistee MI |

MARINE ZONES FOR WFO GRAND RAPIDS, MI
(Special Marine Warning and Severe Local Storm Watch)



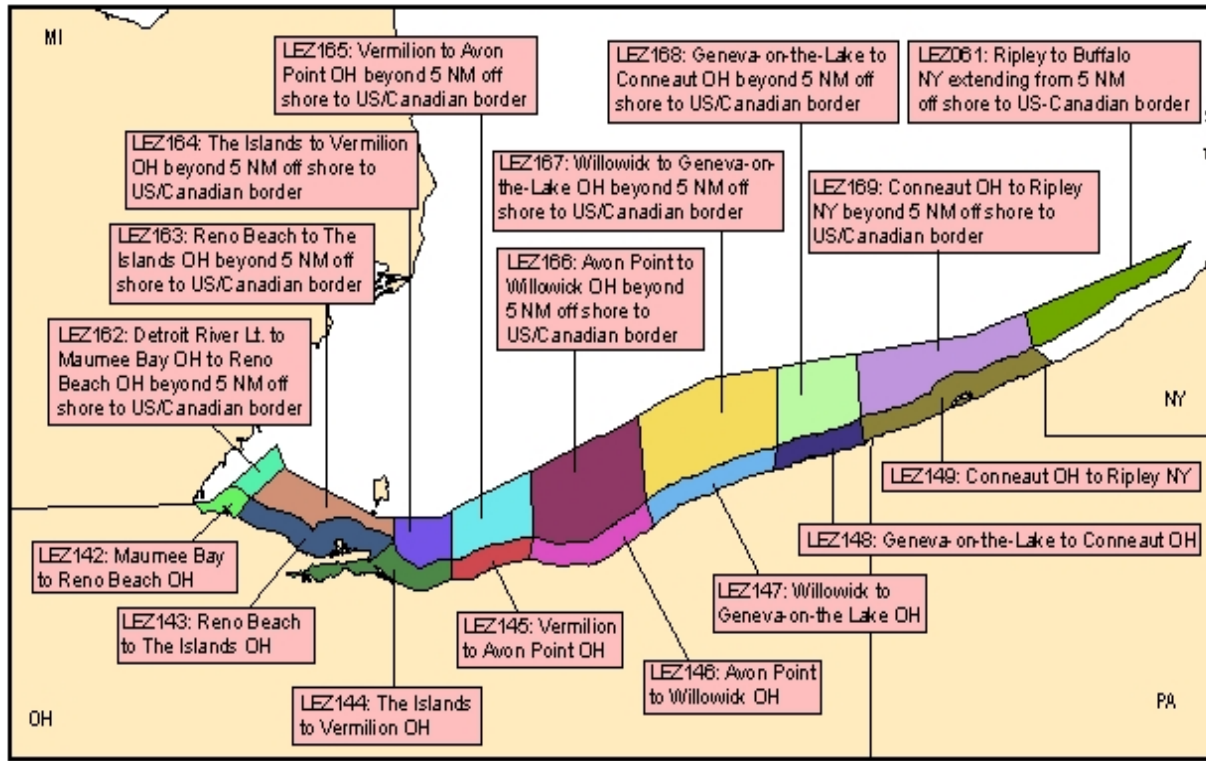
GRAND RAPIDS, MI (GRR)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - St. Joseph, MI to Manistee/Mason, MI county line

- | | |
|--------|---|
| LMZ844 | St Joseph to South Haven MI |
| LMZ845 | South Haven to Holland MI |
| LMZ846 | Holland to Grand Haven MI |
| LMZ847 | Grand Haven to Whitehall MI |
| LMZ848 | Whitehall to Pentwater MI |
| LMZ849 | Pentwater to Manistee MI |
| LMZ878 | Lake Michigan from St. Joseph to South Haven MI 5 NM offshore to mid lake |
| LMZ876 | Lake Michigan from South Haven to Holland MI 5 NM offshore to mid lake |
| LMZ874 | Lake Michigan from Holland to Grand Haven MI 5 NM offshore to mid lake |
| LMZ872 | Lake Michigan from Grand Haven to Whitehall MI 5 NM offshore to mid lake |
| LMZ870 | Lake Michigan from Whitehall to Pentwater MI 5 NM offshore to mid lake |
| LMZ868 | Lake Michigan from Pentwater to Manistee MI 5 NM offshore to mid lake |

MARINE ZONES FOR WFO CLEVELAND, OH
(Hazardous Weather Outlook and Marine Weather Message)



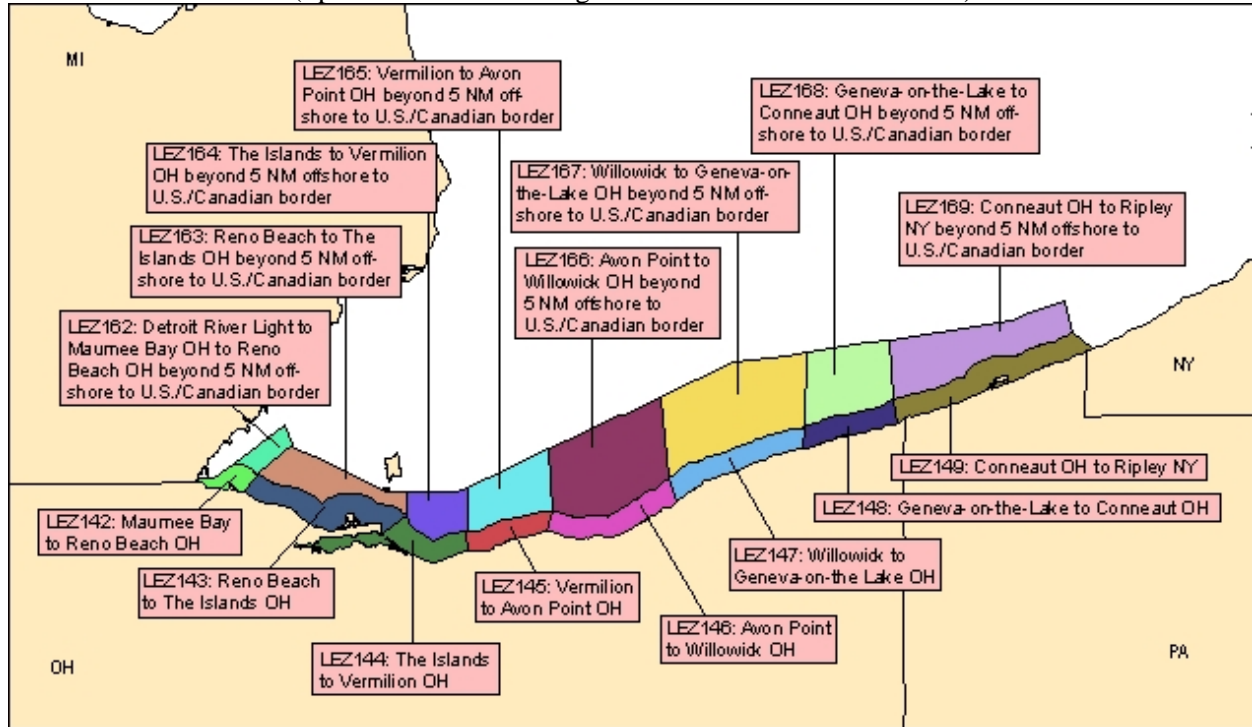
CLEVELAND, OH (CLE)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - MI/OH border to NY/PA border

- LEZ142 Maumee Bay to Reno Beach OH
- LEZ143 Reno Beach to The Islands OH
- LEZ144 The Islands to Vermilion OH
- LEZ145 Vermilion to Avon Point OH
- LEZ146 Avon Point to Willowick OH
- LEZ147 Willowick to Geneva-on-the Lake OH
- LEZ148 Geneva-on-the-Lake to Conneaut OH
- LEZ149 Conneaut OH to Ripley NY
- LEZ162 Detroit River Light to Maumee Bay OH to Reno Beach OH beyond 5 NM offshore to U.S./Canadian border
- LEZ163 Reno Beach to The Islands OH beyond 5 NM offshore to U.S./Canadian border
- LEZ164 The Islands to Vermilion OH beyond 5 NM offshore to U.S./Canadian border
- LEZ165 Vermilion to Avon Point OH beyond 5 NM offshore to U.S./Canadian border
- LEZ166 Avon Point to Willowick OH beyond 5 NM offshore to U.S./Canadian border
- LEZ167 Willowick to Geneva-on-the Lake OH beyond 5 NM offshore to U.S./Canadian border
- LEZ168 Geneva-on-the-Lake to Conneaut OH beyond 5 NM offshore to U.S./Canadian border
- LEZ169 Conneaut OH to Ripley NY beyond 5 NM offshore to U.S./Canadian border
- LEZ061 Ripley to Buffalo NY extending from 5 NM offshore to U.S./Canadian border

MARINE ZONES FOR WFO CLEVELAND, OH
(Special Marine Warning and Severe Local Storm Watch)



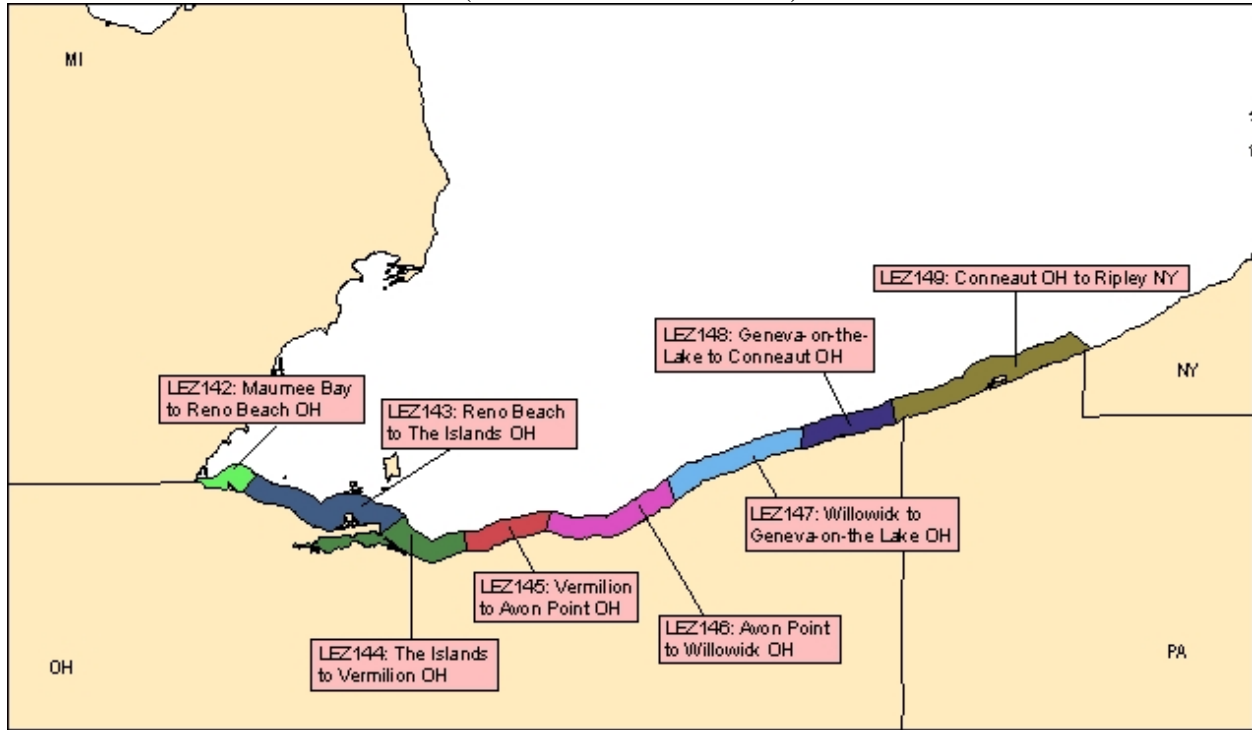
CLEVELAND, OH (CLE)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - MI/OH border to NY/PA border

- LEZ142 Maumee Bay to Reno Beach OH
- LEZ143 Reno Beach to The Islands OH
- LEZ144 The Islands to Vermilion OH
- LEZ145 Vermilion to Avon Point OH
- LEZ146 Avon Point to Willowick OH
- LEZ147 Willowick to Geneva-on-the Lake OH
- LEZ148 Geneva-on-the-Lake to Conneaut OH
- LEZ149 Conneaut OH to Ripley NY
- LEZ162 Detroit River Light to Maumee Bay OH to Reno Beach OH beyond 5 NM offshore to U.S./Canadian border
- LEZ163 Reno Beach to The Islands OH beyond 5 NM offshore to U.S./Canadian border
- LEZ164 The Islands to Vermilion OH beyond 5 NM offshore to U.S./Canadian border
- LEZ165 Vermilion to Avon Point OH beyond 5 NM offshore to U.S./Canadian border
- LEZ166 Avon Point to Willowick OH beyond 5 NM offshore to U.S./Canadian border
- LEZ167 Willowick to Geneva-on-the Lake OH beyond 5 NM offshore to U.S./Canadian border
- LEZ168 Geneva-on-the-Lake to Conneaut OH beyond 5 NM offshore to U.S./Canadian border
- LEZ169 Conneaut OH to Ripley NY beyond 5 NM offshore to U.S./Canadian border

MARINE ZONES FOR WFO CLEVELAND, OH
(Nearshore Marine Forecast)



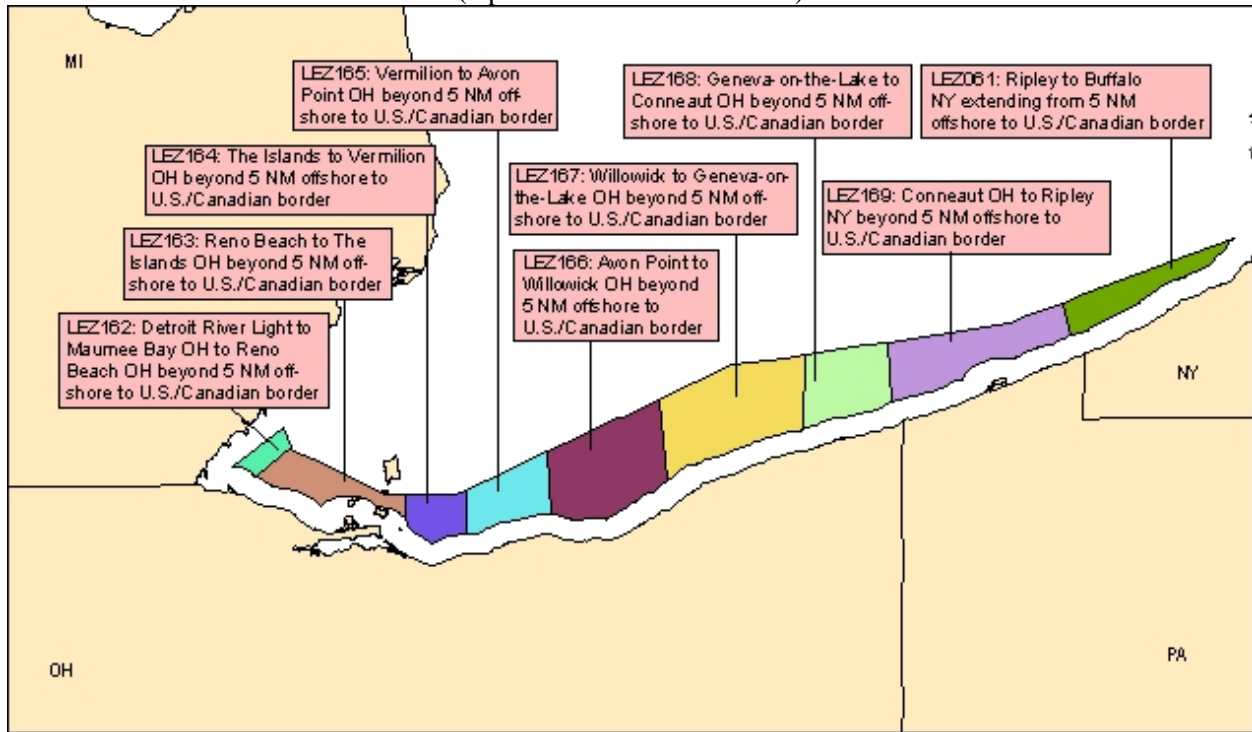
CLEVELAND, OH (CLE)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - MI/OH border to NY/PA border

- LEZ142 Maumee Bay to Reno Beach OH
- LEZ143 Reno Beach to The Islands OH
- LEZ144 The Islands to Vermilion OH
- LEZ145 Vermilion to Avon Point OH
- LEZ146 Avon Point to Willowick OH
- LEZ147 Willowick to Geneva-on-the Lake OH
- LEZ148 Geneva-on-the-Lake to Conneaut OH
- LEZ149 Conneaut OH to Ripley NY

(Open Lake Marine Forecast)



CLEVELAND, OH (CLE)

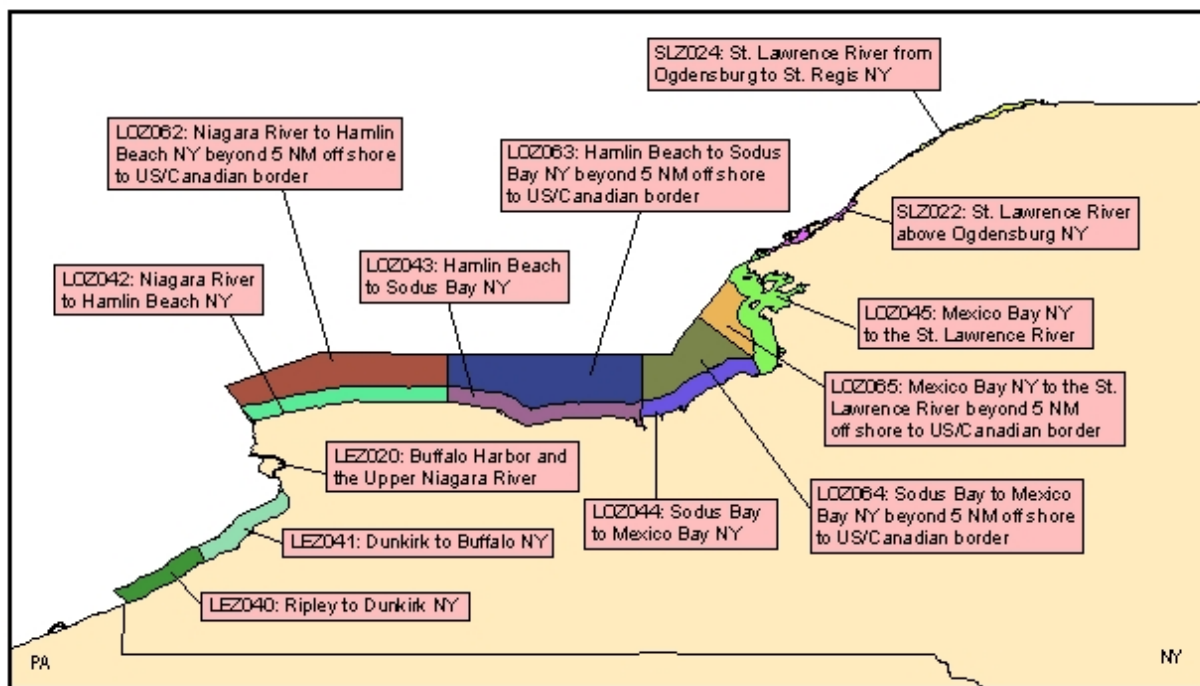
AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - MI/OH border to NY/PA border

- LEZ162 Detroit River Light to Maumee Bay OH to Reno Beach OH beyond 5 NM offshore to U.S./Canadian border
- LEZ163 Reno Beach to The Islands OH beyond 5 NM offshore to U.S./Canadian border
- LEZ164 The Islands to Vermilion OH beyond 5 NM offshore to U.S./Canadian border
- LEZ165 Vermilion to Avon Point OH beyond 5 NM offshore to U.S./Canadian border
- LEZ166 Avon Point to Willowick OH beyond 5 NM offshore to U.S./Canadian border
- LEZ167 Willowick to Geneva-on-the Lake OH beyond 5 NM offshore to U.S./Canadian border
- LEZ168 Geneva-on-the-Lake to Conneaut OH beyond 5 NM offshore to U.S./Canadian border
- LEZ169 Conneaut OH to Ripley NY beyond 5 NM offshore to U.S./Canadian border
- LEZ061 Ripley to Buffalo NY extending from 5 NM offshore to U.S./Canadian border
- LEZ161 Lake Erie MAFOR

MARINE ZONES FOR WFO BUFFALO, NY

(Hazardous Weather Outlook and Marine Weather Message)



BUFFALO, NY (BUF)

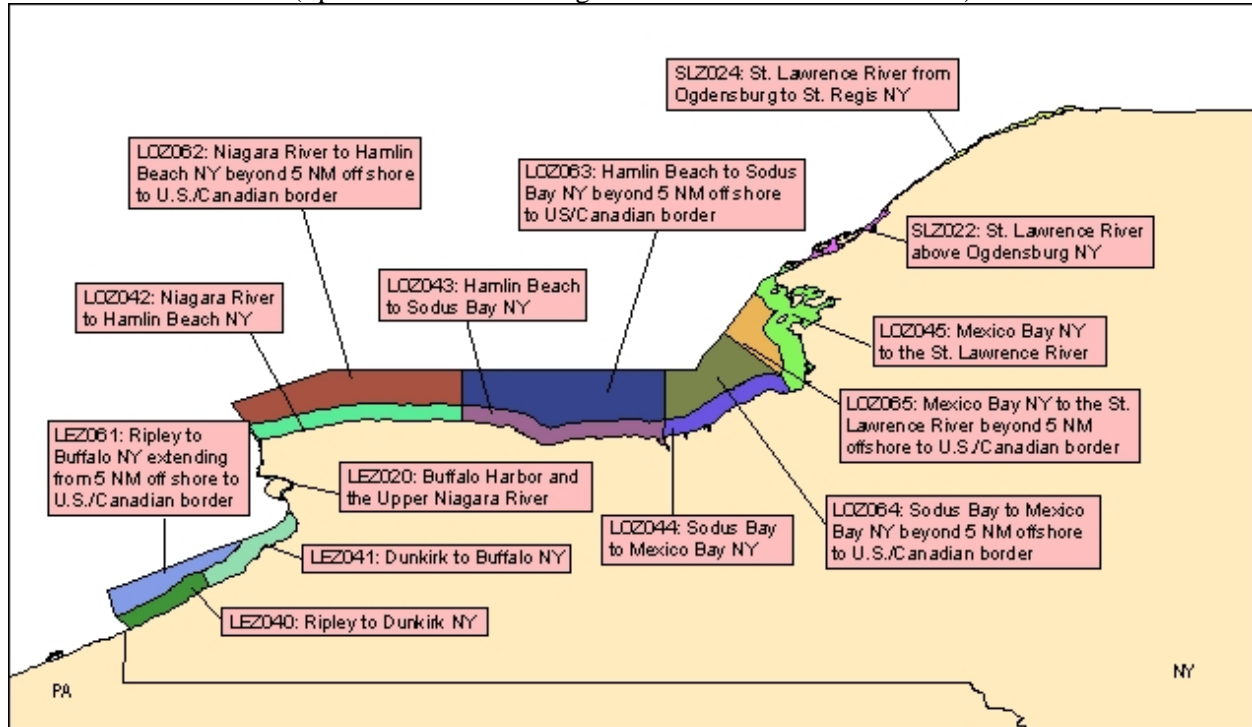
AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - NY/PA border to Buffalo Harbor, Buffalo Harbor and Niagara River

Lake Ontario – U.S./Canada border near Niagara River to U.S./Canada border at St. Lawrence River

- LEZ040 Ripley to Dunkirk NY
- LEZ041 Dunkirk to Buffalo NY
- LEZ020 Buffalo Harbor and the Upper Niagara River
- LOZ042 Niagara River to Hamlin Beach NY
- LOZ043 Hamlin Beach to Sodus Bay NY
- LOZ044 Sodus Bay to Mexico Bay NY
- LOZ045 Mexico Bay NY to the St. Lawrence River
- LOZ062 Niagara River to Hamlin Beach NY beyond 5 NM offshore to U.S./Canadian border
- LOZ063 Hamlin Beach to Sodus Bay NY beyond 5 NM offshore to U.S./Canadian border
- LOZ064 Sodus Bay to Mexico Bay NY beyond 5 NM offshore to U.S./Canadian border
- LOZ065 Mexico Bay NY to the St. Lawrence River beyond 5 NM offshore to U.S./Canadian border
- SLZ022 St. Lawrence River above Ogdensburg NY
- SLZ024 St. Lawrence River from Ogdensburg to St. Regis NY

MARINE ZONES FOR WFO BUFFALO, NY
(Special Marine Warning and Severe Local Storm Watch)



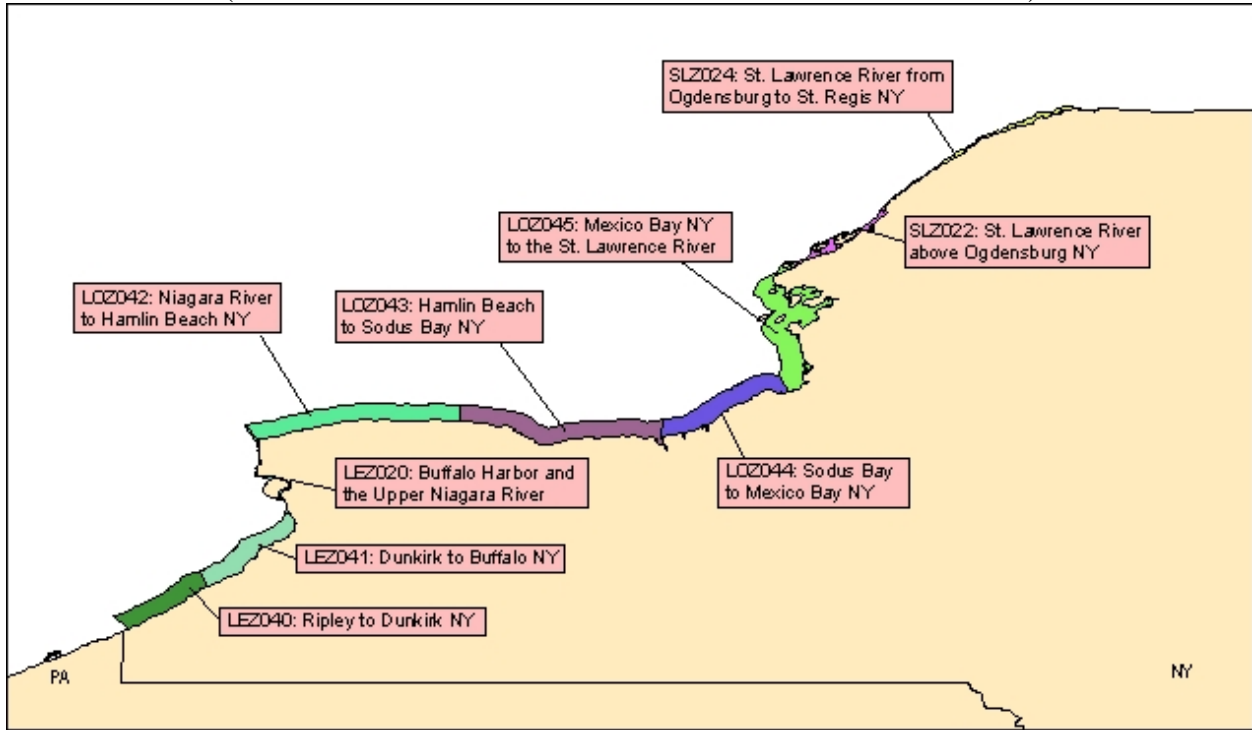
BUFFALO, NY (BUF)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - NY/PA border to Buffalo Harbor, Buffalo Harbor and Niagara River
 Lake Ontario – U.S./Canada border near Niagara River to U.S./Canada border at St. Lawrence River

- LEZ040 Ripley to Dunkirk NY
- LEZ041 Dunkirk to Buffalo NY
- LEZ061 Ripley to Buffalo NY extending from 5 NM offshore to U.S./Canadian border
- LEZ020 Buffalo Harbor and the Upper Niagara River
- LOZ042 Niagara River to Hamlin Beach NY
- LOZ043 Hamlin Beach to Sodus Bay NY
- LOZ044 Sodus Bay to Mexico Bay NY
- LOZ045 Mexico Bay NY to the St. Lawrence River
- LOZ062 Niagara River to Hamlin Beach NY beyond 5 NM offshore to U.S./Canadian border
- LOZ063 Hamlin Beach to Sodus Bay NY beyond 5 NM offshore to U.S./Canadian border
- LOZ064 Sodus Bay to Mexico Bay NY beyond 5 NM offshore to U.S./Canadian border
- LOZ065 Mexico Bay NY to the St. Lawrence River beyond 5 NM offshore to U.S./Canadian border
- SLZ022 St. Lawrence River above Ogdensburg NY
- SLZ024 St. Lawrence River from Ogdensburg to St. Regis NY

MARINE ZONES FOR WFO BUFFALO, NY
(Nearshore Marine Forecast and Forecast for the St. Lawrence River)



BUFFALO, NY (BUF)

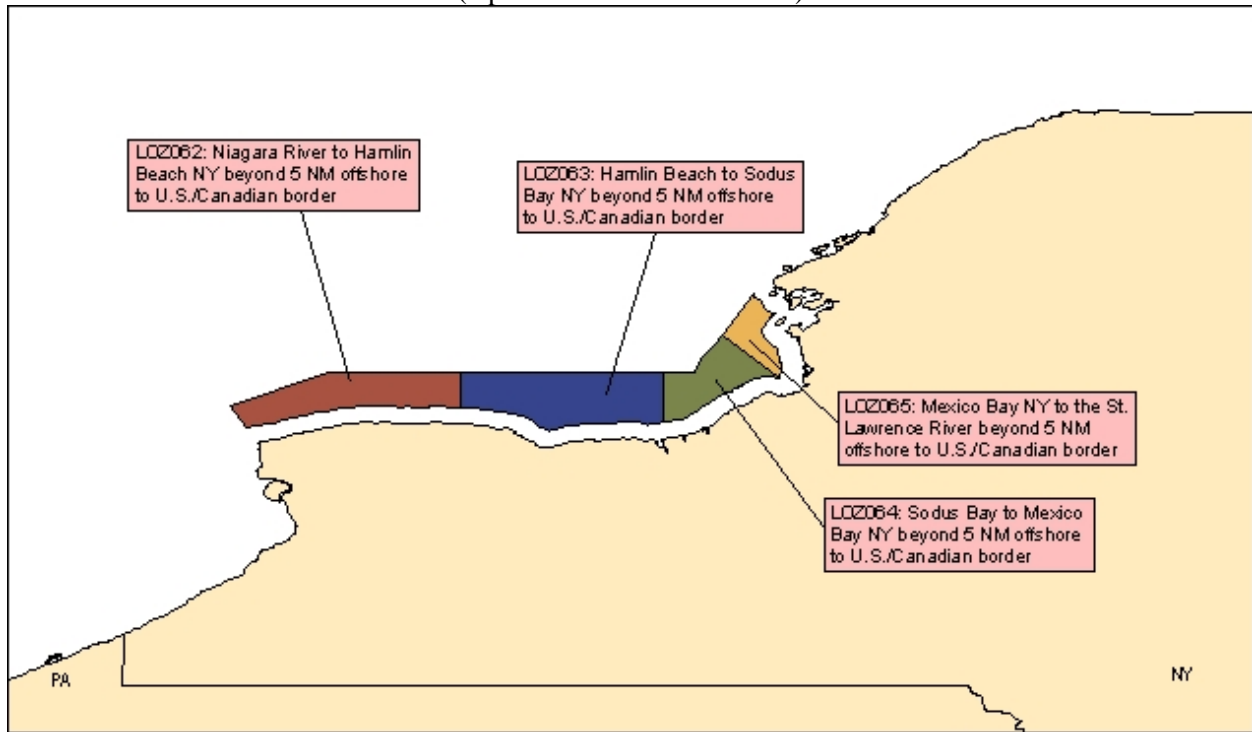
AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - NY/PA border to Buffalo Harbor, Buffalo Harbor and Niagara River

Lake Ontario – U.S./Canada border near Niagara River to U.S./Canada border at St. Lawrence River

- LEZ040 Ripley to Dunkirk NY
- LEZ041 Dunkirk to Buffalo NY
- LEZ020 Buffalo Harbor and the Upper Niagara River
- LOZ042 Niagara River to Hamlin Beach NY
- LOZ043 Hamlin Beach to Sodus Bay NY
- LOZ044 Sodus Bay to Mexico Bay NY
- LOZ045 Mexico Bay NY to the St. Lawrence River
- SLZ022 St. Lawrence River above Ogdensburg NY
- SLZ024 St. Lawrence River from Ogdensburg to St. Regis NY

(Open Lake Marine Forecast)



BUFFALO, NY (BUF)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Erie - NY/PA border to Buffalo Harbor, Buffalo Harbor and Niagara River

Lake Ontario – U.S./Canada border near Niagara River to U.S./Canada border at St. Lawrence River

- LOZ062 Niagara River to Hamlin Beach NY beyond 5 NM offshore to U.S./Canadian border
- LOZ063 Hamlin Beach to Sodus Bay NY beyond 5 NM offshore to U.S./Canadian border
- LOZ064 Sodus Bay to Mexico Bay NY beyond 5 NM offshore to U.S./Canadian border
- LOZ065 Mexico Bay NY to the St. Lawrence River beyond 5 NM offshore to U.S./Canadian border
- LOZ061 Lake Ontario MAFOR

3. Offshore Forecast Areas of Responsibility.

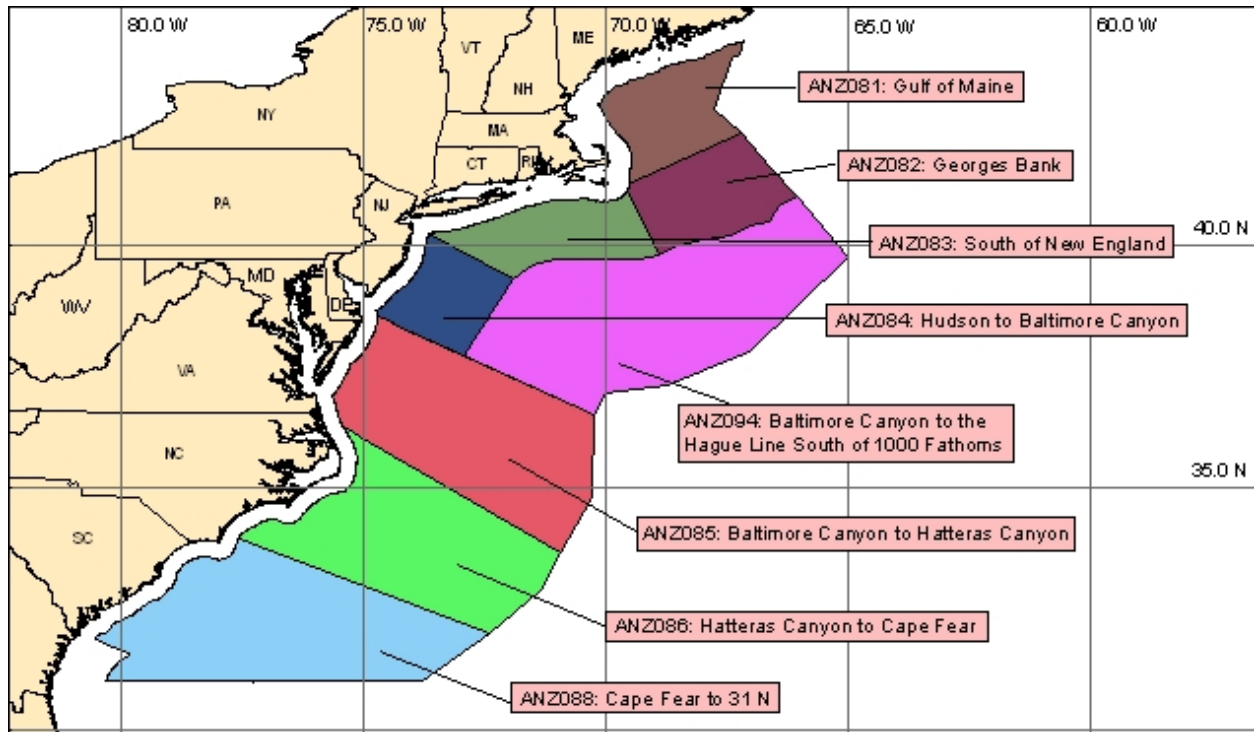
OFFSHORE MARINE FORECASTS

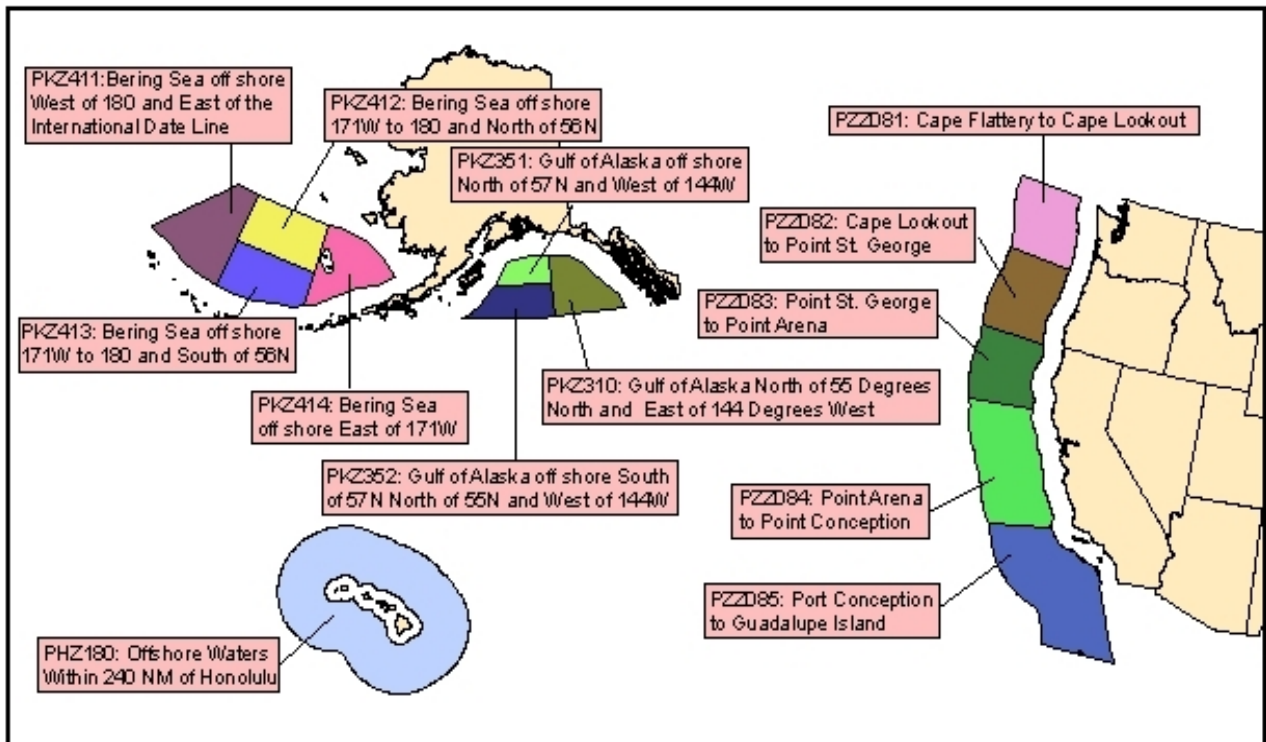
<u>Issuing Office</u>	<u>Official Area of Responsibility</u>	<u>Warning and Forecast Headings</u>	<u>UGC</u>	<u>Area ID</u>
NCEP/ OPC	Waters of the West Atlantic Ocean adjacent to the U.S. southwest of the Hague Line and north of 31N and between the Coastal Waters Forecast and 250 NM off shore	New England Continental Shelf and Slope Waters from 25 NM Offshore to The Hague Line...except to 1000 fathoms S of New England.		
		Synopsis for New England Waters.	ANZ080	NTI
		Gulf of Maine to the Hague Line.	ANZ081	
		Georges Bank from the Northeast Channel to the Great South Channel including the waters east of Cape Cod to the Hague Line.	ANZ082	
		South of New England from the Great South Channel to Hudson Canyon including the waters south of Martha's Vineyard and Nantucket Island out to 1000 fathoms.	ANZ083	
		W Central N Atlantic Shelf and Slope Waters Beyond 20 NM to 250 NM Offshore...Including S of Georges Bank from 1000 fathoms to 250 NM Offshore:		
		Synopsis for Mid Atlantic Waters.	ANZ089	NT2
		Hudson to Baltimore Canyon.	ANZ084	
		Baltimore Canyon to The Hague Line South of 1000 Fathoms	ANZ094	
		Baltimore Canyon to Hatteras Canyon out to 36N 70W to 34N 71W.	ANZ085	
Hatteras Canyon to Cape Fear out to 34N 71W to 32N 73W.	ANZ086			
Cape Fear to 31N out to 32N 73W to 31N 74W.	ANZ088			

<p>Waters of the Eastern Pacific Ocean adjacent to the contiguous U.S. between 60 NM and 250 NM from shore</p>	<p>Washington and Oregon waters from 60 NM to 250 NM off shore:</p>	<p>Synopsis for Washington and Oregon Waters. Cape Flattery to Cape Lookout. Cape Lookout to Point St. George.</p>	<p>PZZ080 PZZ081 PZZ082</p>	<p>PZ5</p>
	<p>California waters from 60 NM to 250 NM Offshore:</p>	<p>Synopsis for California Waters Offshore. Point St. George to Point Arena. Point Arena to Point Conception. Point Conception to Guadalupe Island.</p>	<p>PZZ089 PZZ083 PZZ084 PZZ085</p>	<p>PZ6</p>
<p>NCEP/ TPC</p>	<p>The Gulf of Mexico outside the Coastal Marine Forecast areas.</p>	<p>Offshore Waters Forecast for Gulf of Mexico: Includes the Flower Gardens National Marine Sanctuary Synopsis for the Gulf of Mexico. NW Gulf N of 25N and W of 90W. SW Gulf S of 25N and W of 90W. Middle Gulf between 85W and 90W. E Gulf between 81W and 85W.</p>	<p>GMZ089 GMZ080 GMZ082 GMZ084 GMZ086</p>	<p>NT4</p>
	<p>The Southwest North Atlantic south of 31N and west of 65W, the Caribbean Sea, and the tropical North Atlantic east of the Lesser Antilles and west of 55W between the coastal waters of South America and 22N</p>	<p>Offshore Waters Forecast for the Caribbean Sea and Tropical North Atlantic: Synopsis for Caribbean Sea and Tropical N Atlantic from 7N to 22N between 55W and 65W. NW Caribbean North of 15N West of 75W. SW Caribbean S of 15N West of 75W. E Caribbean E of 75W to the Leeward and Windward Islands. Tropical N Atlantic from 7N to 22N between 55W and 65W. Synopsis for SW North Atlantic including the Bahamas. SW North Atlantic S of 31N West of 65W including the Bahamas.</p>	<p>AMZ089 AMZ082 AMZ084 AMZ086 AMZ087 AMZ088 AMZ080</p>	<p>NT3</p>

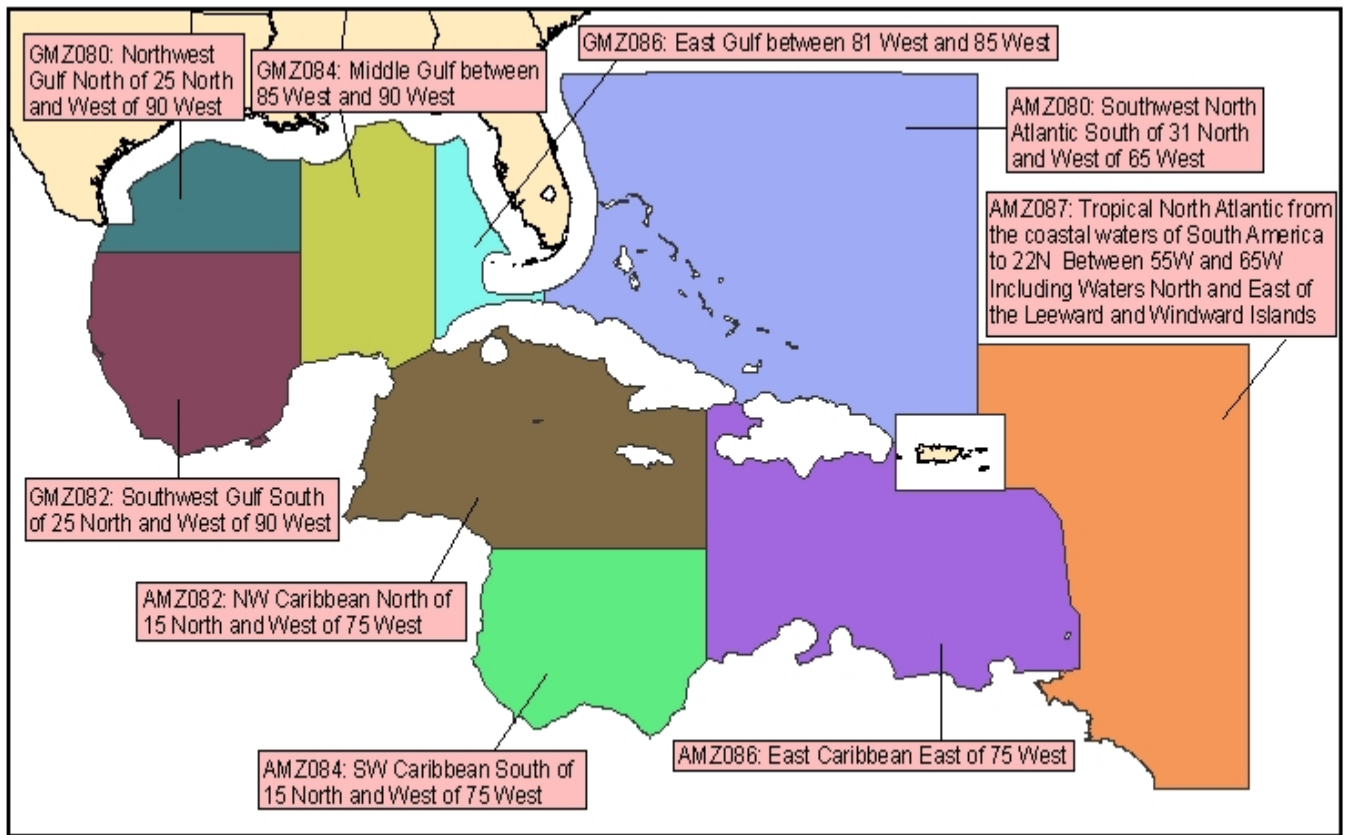
WFO AFC	The Gulf of Alaska north of 55 degrees North and west of 144 degrees West	Gulf of Alaska Offshore Waters Forecast:	PKZ399	AFC
		Synopsis for Gulf of Alaska north of 55 degrees North and west of 144 degrees West.		
		Gulf of Alaska offshore north of 57 degrees North and west of 144 degrees West.	PKZ351	
		Gulf of Alaska offshore south of 57 degrees North north of 55 degrees North and west of 144 degrees West.	PKZ352	
	The Bering Sea east of the International Date Line outside the Coastal Waters	Central Bering Sea Offshore Waters Forecast:		
		Synopsis for the Central Bering Sea. Bering Sea offshore west of 180 degrees and east of the International Date Line.	PKZ499	AFC
			PKZ411	
		Bering Sea offshore 171 degrees West to 180 degrees and north of 56 degrees North	PKZ412	
		Bering Sea offshore 171 degrees West to 180 degrees and south of 56 degrees North	PKZ413	
		Bering Sea offshore east of 171 degrees West	PKZ414	
WFO AJK	The Gulf of Alaska north of 55 degrees North and east of 144 degrees West	Gulf of Alaska Offshore Waters Forecast:		
		Synopsis for Gulf of Alaska north of 55 degrees North and east of 144 degrees West.	PKZ398	AJK
		Gulf of Alaska north of 55 degrees North and east of 144 degrees West.	PKZ310	
WFO HFO	Hawaiian Offshore Waters Beyond 40 Nautical Miles out to 240 Nautical Miles	Hawaiian Offshore Waters Beyond 40 Nautical Miles out to 240 Nautical Miles:		
		Synopsis for Hawaiian Offshore Waters Hawaiian Offshore Waters	PHZ105	HFO
			PHZ180	

Upon request, WFO Fairbanks will provide forecasts for water areas of northern Alaska outside the Coastal Waters Forecast areas to 200 NM from shore. No product designator is given.





Alaska, Hawaii and Pacific



South Atlantic, Gulf of Mexico, and Caribbean

4. NAVTEX Forecast Areas of Responsibility (pages 84-85)

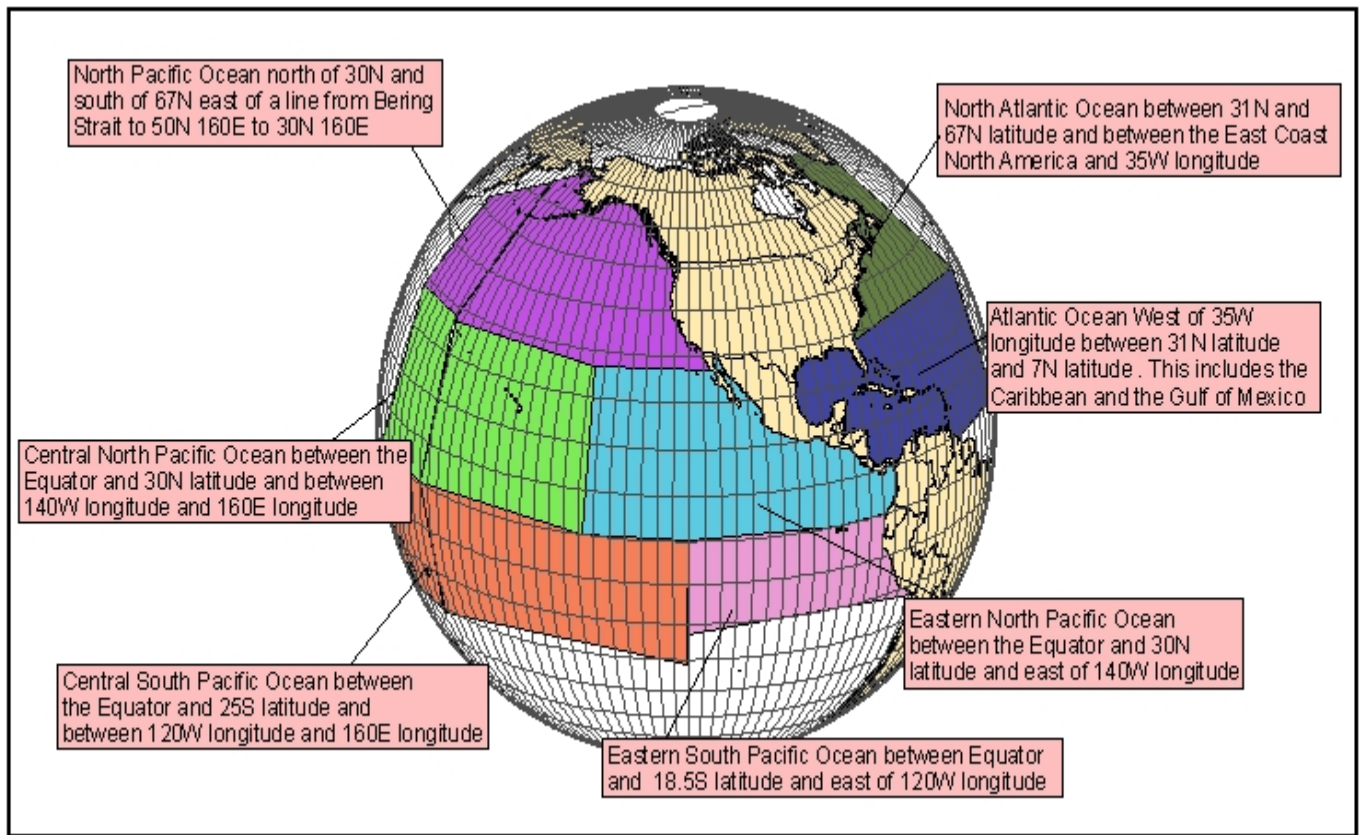
<u>Issuing Office</u>	<u>Geographic Heading</u>	<u>Prod. ID</u>	<u>WMO Header</u>	<u>Product Coverage (out to 200 NM)</u>	<u>NAVTEX Transmitter</u>
OPC/ ATL	Northeast U.S. waters	OFFN01	FZNT23KWNM	Eastport ME to Sandy Hook NJ	Boston MA
	Mid Atl. states waters	OFFN02	FZNT24KWNM	Sandy Hook NJ to Murrells Inlet SC	Chesapeake VA
	Southeastern U.S. waters	OFFN03	FZNT25KWNM	Murrells Inlet SC to Flagler Beach FL	Savannah GA
TPC	SW North Atlantic E half of the Gulf of Mexico and NW Caribbean waters	OFFN04	FZNT25KNHC	Flagler Beach FL to Suwannee River FL	Miami FL
	Puerto Rico and U.S. Virgin Isls. waters	OFFN05	FZNT26KNHC	Surrounding San Juan	San Juan PR
	Gulf of Mexico waters	OFFN06	FZNT27KNHC	Suwannee River FL to Rio Grande	New Orleans LA
OPC/ PAC.	Southern Calif. waters	OFFN07	FZPN22KWNM	Mexican Border to Point Piedras Blancas CA	Cambria CA
	Northern Calif. waters	OFFN08	FZPN23KWNM	Point Piedras Blancas CA to Point St. George CA	Pt.Reyes CA
	WA and OR waters	OFFN09	FZPN24KWNM	Point St.George CA to Canadian Border	Astoria OR
WFO HFO	Hawaiian waters	OFFN10	FZHW61 PHFO	Hawaiian waters	Honolulu, HI

4. NAVTEX Forecast Areas of Responsibility (continued from page 84)

<u>Issuing Office</u>	<u>Geographic Heading</u>	<u>Prod. ID</u>	<u>WMO Header</u>	<u>Product Coverage</u>	<u>NAVTEX Transmitter</u>
WFO AJK	SE Alaska coastal waters	OFFN11	FZAK61 PAJK	Dixon Entrance to Cape Suckling (out to 100 NM)	Kodiak, AK
WFO AFC	S Central Alaska coastal waters	OFFN12	FZAK63 PAFC	S Central Alaska coastal waters (out to 100 NM)	Kodiak, AK
WFO AFC	SW Alaska coastal waters	OFFN13	FZAK64 PAFC	Alaska Peninsula Waters and Aleutian Islands (out to 100 NM)	Kodiak, AK
WFO AFG	NW Coast	OFFN14	FZAK62 PAFG	Norton Sound, Kotzebue Sound, Dall Point to Cape Thompson	Kodiak, AK
WFO AFG	Arctic Coast	OFFN15	FZAK61 PAFG	Cape Thompson to Demarcation Point	Kodiak, AK

5. High Seas Forecast Areas of Responsibility.

<u>Issuing Office</u>	<u>Area</u>
NCEP/OPC	<p>North Atlantic Ocean between 31 N and 67 N latitude and between the East Coast of the U.S. and 35 W longitude. WMO METAREA IV</p> <p>North Pacific Ocean north of 30 N and south of 67 N east of a line from Bering Strait to 50 N 160 E to 30 N 160 E. WMO METAREA XII</p>
NCEP/TPC	<p>Atlantic Ocean west of 35 W longitude between 31 N latitude and 7 N latitude including the Caribbean Sea and the Gulf of Mexico. WMO METAREA IV</p> <p>Eastern North Pacific Ocean between the Equator and 30 N latitude and east of 140 W longitude. WMO METAREA XII</p> <p>Eastern South Pacific Ocean between the Equator and 18.5 S latitude and east of 120 W longitude. WMO METAREA XVI</p>
WFO Honolulu	<p>Central North Pacific Ocean between the Equator and 30 N latitude and between 140 W longitude and 160 E longitude. WMO METAREA XII</p> <p>Central South Pacific Ocean between the Equator and 25 S latitude and between 120 W longitude and 160 E longitude. WMO METAREA XIV</p>



6. Coastal and Offshore Marine Codes Listings for Emergency Alert System (EAS) and NOAA Weather Radio (NWR) Applications.

<u>Numeric</u>	<u>Alpha</u>	<u>Abbreviated Name of Marine Area</u> <u>Full Name of Marine Area</u>
57	PZ	EASTERN N. PACIFIC OCEAN Eastern North Pacific Ocean and along U.S. West Coast from Canadian border to Mexican border
58	PK	N. PACIFIC OCEAN NEAR ALASKA North Pacific Ocean near Alaska and along Alaska coastline including the Bering Sea and the Gulf of Alaska
59	PH	CENTRAL PACIFIC OCEAN Central Pacific Ocean including Hawaiian waters
61	PS	S. CENTRAL PACIFIC OCEAN South Central Pacific Ocean including American Samoa waters
65	PM	WESTERN PACIFIC OCEAN Western Pacific Ocean including Mariana Island waters
73	AN	NORTHWEST N. ATLANTIC OCEAN Western North Atlantic Ocean and along U.S. East Coast from Canadian border south to Currituck Beach Light NC
75	AM	WEST N. ATLANTIC OCEAN Western North Atlantic Ocean and along U.S. East Coast south of Currituck Beach Light NC following the coastline into Gulf of Mexico to Ocean Reef FL including the Caribbean

NWSI 10-302 OCTOBER 31, 2008

<u>Numeric</u>	<u>Alpha</u>	<u>Abbreviated Name of Marine Area</u> <u>Full Name of Marine Area</u>
77	GM	GULF OF MEXICO Gulf of Mexico and along the U.S. Gulf Coast from the Mexican border to Ocean Reef FL.
91	LS	LAKE SUPERIOR Lake Superior
92	LM	LAKE MICHIGAN Lake Michigan
93	LH	LAKE HURON Lake Huron
94	LC	LAKE ST. CLAIR Lake St. Clair
96	LE	LAKE ERIE Lake Erie
97	LO	LAKE ONTARIO Lake Ontario
98	SL	ST. LAWRENCE RIVER St. Lawrence River above St. Regis

Note: The above table can be accessed under the Code Listings for Special Applications section on the NWS' Advanced Weather Interactive Processing System (AWIPS) Map Database website found at the following URL: <http://www.nws.noaa.gov/geodata/>.

7. National Marine Sanctuary Inclusions.

<u>OFFICE</u>	<u>INCLUSION</u>
WFO Taunton/Boston	THE STELLWAGEN BANK NATIONAL MARINE SANCTUARY
WFO Morehead City/Newport	THE MONITOR NATIONAL MARINE SANCTUARY
WFO Charleston, SC	THE GRAYS REEF NATIONAL MARINE SANCTUARY
WFO Key West	THE FLORIDA KEYS NATIONAL MARINE SANCTUARY
NCEP/TPC	THE FLOWER GARDEN BANKS NATIONAL MARINE SANCTUARY
WFO Los Angeles	THE CHANNEL ISLANDS NATIONAL MARINE SANCTUARY
WFO San Fran. Bay Area at /Monterey	THE MONTEREY BAY/GULF OF THE FARALLONES/AND CORDELL BANK NATIONAL MARINE SANCTUARIES
WFO Seattle	THE OLYMPIC COAST NATIONAL MARINE SANCTUARY
WFO Honolulu	THE HAWAIIAN ISLANDS HUMPBACK WHALE NATIONAL MARINE SANCTUARY
WFO Honolulu	THE NORTHWESTERN HAWAIIAN ISLANDS MARINE NATIONAL MONUMENT
WSO Pago Pago	THE FAGATELE BAY NATIONAL MARINE SANCTUARY
WFO Gaylord	THE THUNDER BAY NATIONAL MARINE SANCTUARY

Note 1: Please refer to NWSI 10-310, 10-311, and 10-312 for guidance on inclusion of the National Marine Sanctuaries in marine forecast products.

Note 2: The National Marine Sanctuary boundaries are available for downloading to AWIPS from the NOAA1 server.