

NATIONAL WEATHER SERVICE INSTRUCTION 10-302

NOVEMBER 29, 2023

Operations and Services

Marine and Coastal Weather Services, NWSPD 10-3

MARINE AND COASTAL AREAS OF RESPONSIBILITY

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

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SUMMARY OF REVISIONS: This directive supersedes NWSI 10-302, *Marine and Coastal Services Areas of Responsibility*, dated August 16, 2018. All of the marine zone changes included below were made to improve NWS marine forecast and warning services.

- 1) Changes to marine zones listed by NWS Region/National Center are summarized in this downloadable PDF (https://www.weather.gov/media/marine/MarineChanges_NWSI_10-302-2023update.pdf).
- 2) Offshore section was re-organized to match the style of coastal waters.
- 3) New maps used for High Seas section and re-organized to match the style of coastal waters section.
- 4) Information in Sections 6 and 7 was re-organized into tables for ease of viewing and future edits.

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November 15, 2023

Allison Allen

Date

Director

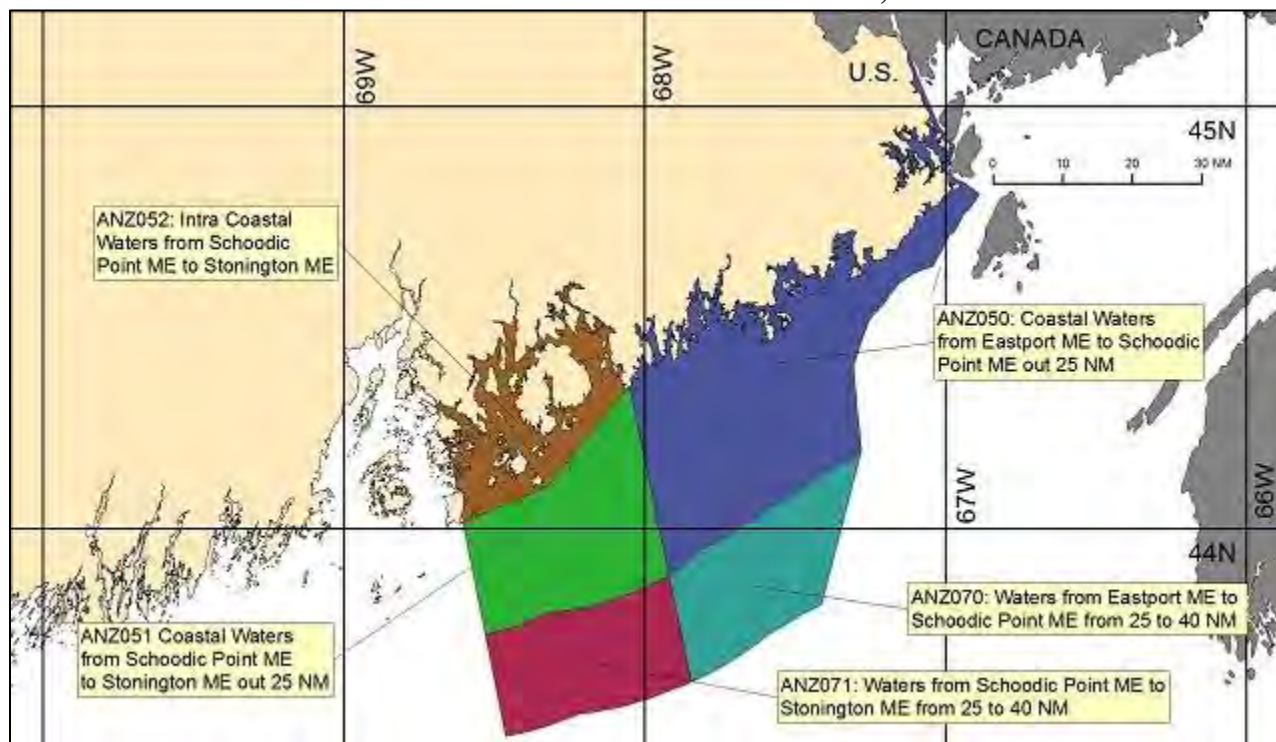
Analyze, Forecast and Support Office

Marine and Coastal Services Areas of Responsibility

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1 Coastal Waters Forecast Areas of Responsibility

MARINE ZONES FOR WFO CARIBOU, ME



CARIBOU, ME (CAR)

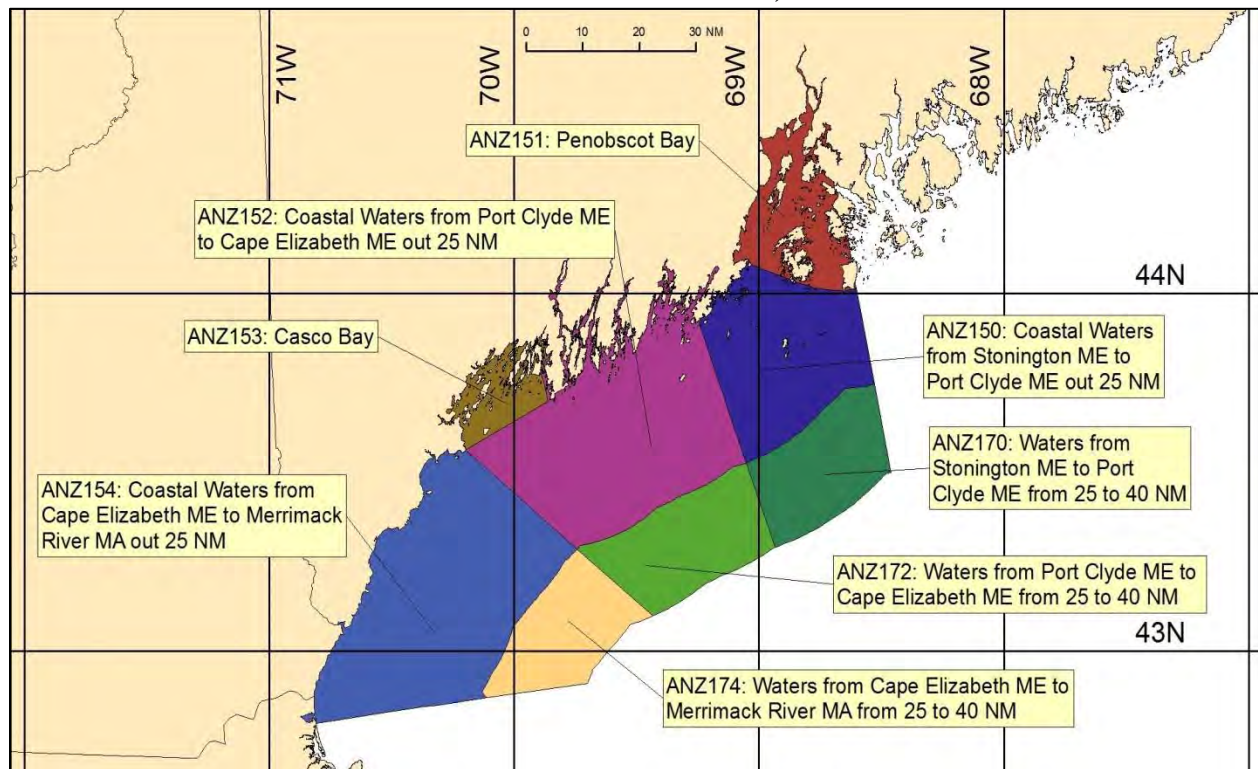
AREA OF RESPONSIBILITY BOUNDARIES

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 25NM
 ANZ052 Intra Coastal Waters from Schoodic Point, ME to Stonington, ME
 ANZ070* *Waters from Eastport, ME to Schoodic Point, ME, from 25 to 40NM
 ANZ071* *Waters from Schoodic Point, 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)

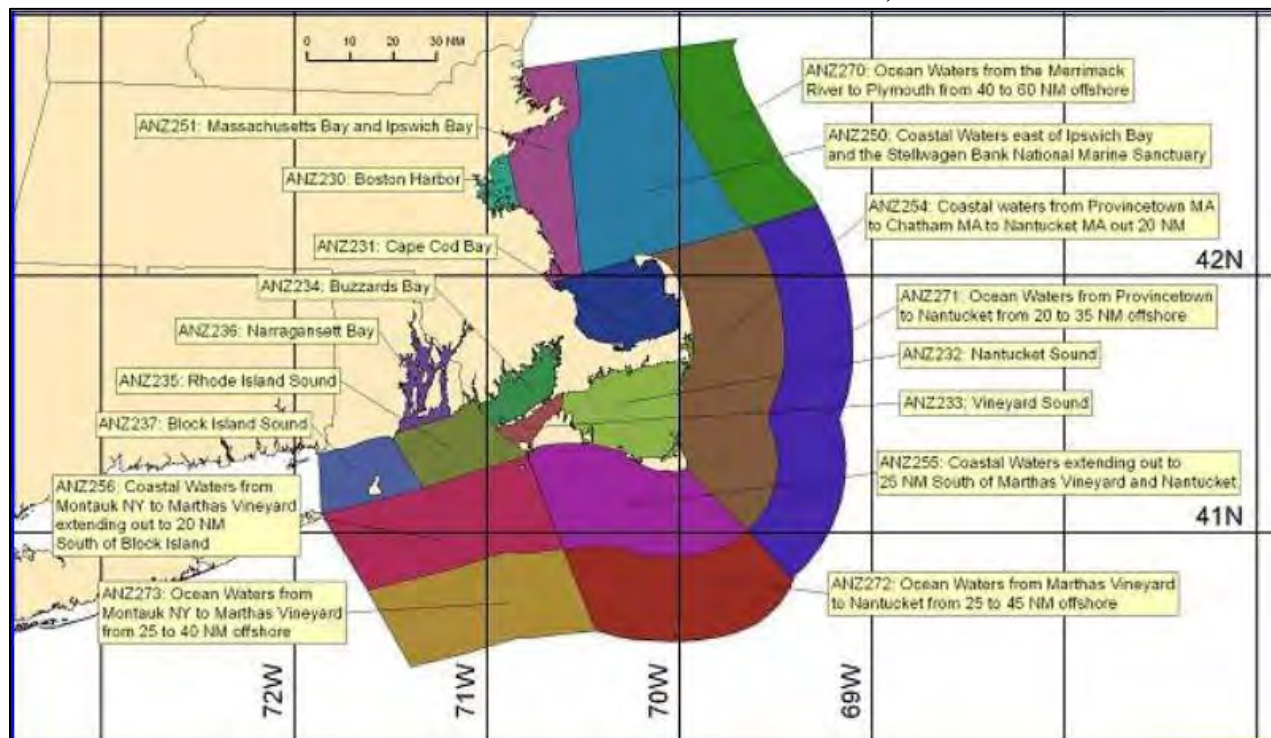
- ANZ100 Synopsis for Stonington, ME to Merrimack River, MA, out 25 NM
 ANZ150 Coastal Waters from Stonington, ME to Port Clyde ME, out 25 NM
 ANZ151 Penobscot Bay
 ANZ152 Coastal Waters from Port Clyde, ME to Cape Elizabeth, ME, out 25 NM
 ANZ153 Casco Bay
 ANZ154 Coastal Waters from Cape Elizabeth,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

ANZ172* *Waters from Port Clyde, ME to Cape Elizabeth, ME, from 25 to 40 NM

ANZ174* *Waters from Cape Elizabeth, 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)

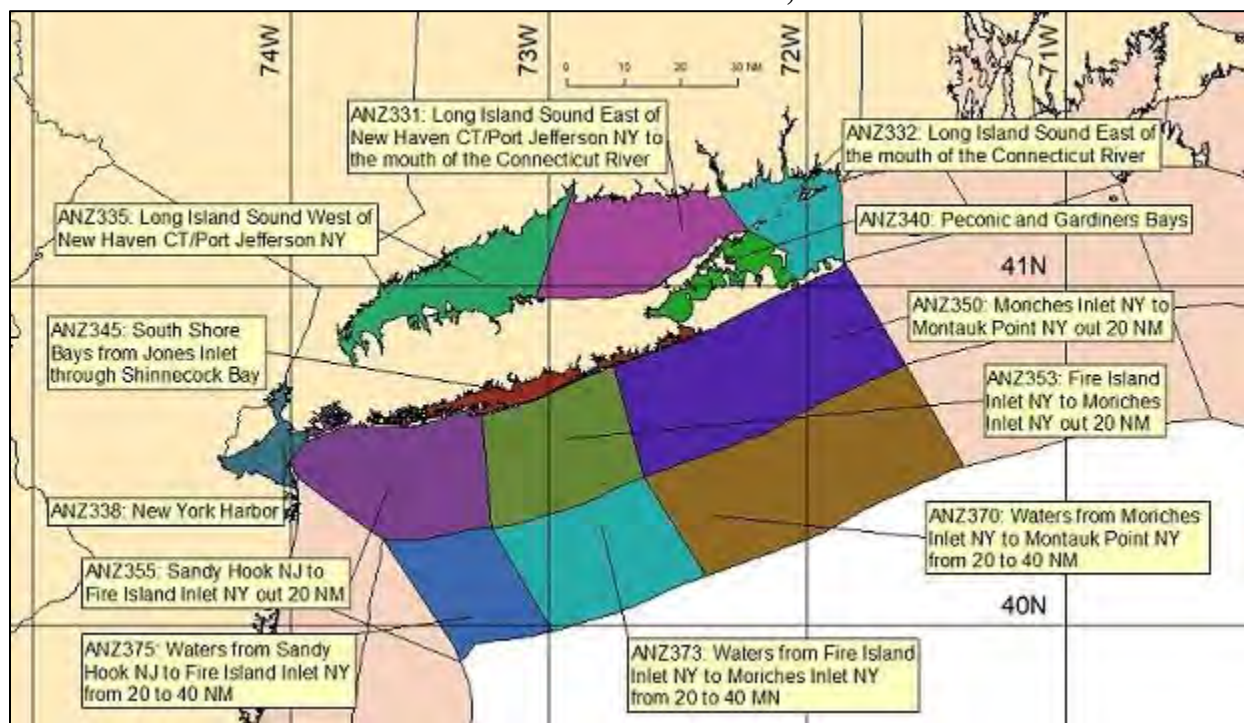
AREA OF RESPONSIBILITY BOUNDARIES

Merrimack River, MA, to CT-RI border, out 40 NM (60 NM for Special Marine Warnings). Includes the Stellwagen Bank National Marine Sanctuary.

ANZ200	Synopsis for MA and RI coastal waters
ANZ230	Boston Harbor
ANZ231	Cape Cod Bay
ANZ232	Nantucket Sound
ANZ233	Vineyard Sound
ANZ234	Buzzards Bay
ANZ235	Rhode Island Sound
ANZ236	Narragansett Bay
ANZ237	Block Island Sound
ANZ250	Coastal waters east of Ipswich Bay and the Stellwagen Bank National Marine Sanctuary
ANZ251	Massachusetts Bay and Ipswich Bay
ANZ254	Coastal waters from Provincetown, MA to Chatham, MA to Nantucket, MA, out 20 NM
ANZ255	Coastal waters extending out to 25 NM south of Martha's Vineyard and Nantucket

- ANZ256 Coastal waters from Montauk, NY to Martha's Vineyard, extending out to 20 NM south of Block Island
- ANZ270* *Ocean waters from Merrimack River to Plymouth, from 40 to 60 NM offshore
- ANZ271* *Ocean waters from Provincetown to Nantucket, from 20 to 35 NM offshore
- ANZ272* *Ocean waters from Martha's Vineyard to Nantucket, from 25 to 40 NM offshore
- ANZ273* *Ocean waters from Montauk, NY to Martha's Vineyard, from 25 to 40 NM offshore
- *For Special Marine Warning purposes only.

MARINE ZONES FOR WFO UPTON, NY



UPTON, NY (OKX)

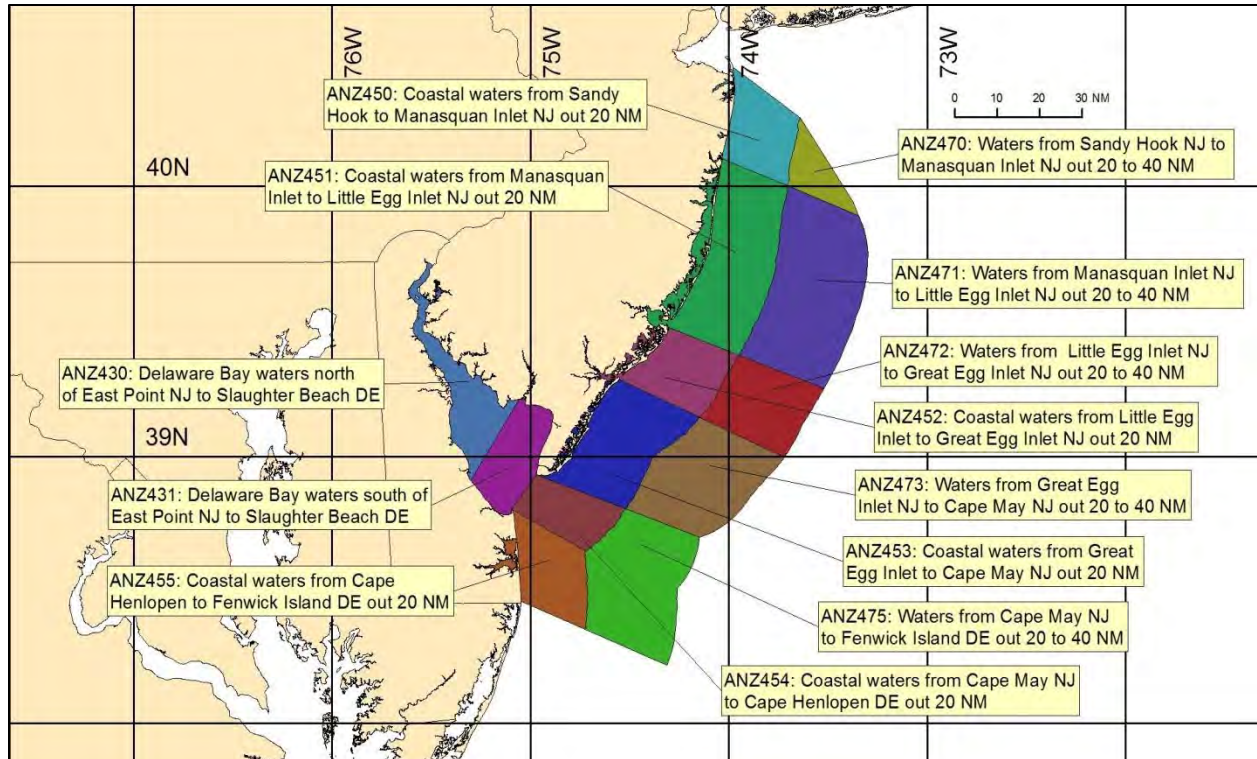
AREA OF RESPONSIBILITY BOUNDARIES

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
- 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
- ANZ331 Long Island Sound East of New Haven, CT/Port Jefferson, NY to the mouth of the Connecticut River
- ANZ332 Long Island Sound East of the Mouth of the Connecticut River
- 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 Moriches Inlet, NY to Montauk Point, NY, from 20 to 40 NM
 ANZ373* *Waters from Fire Island Inlet, NY to Moriches Inlet, NY, from 20 to 40 NM
 ANZ375* *Waters from Sandy Hook, NJ to Fire Island Inlet, NY, from 20 to 40 NM
 *For Special Marine Warning purposes only.

MARINE ZONES FOR WFO MT HOLLY, NJ



MT. HOLLY, NJ (PHI)

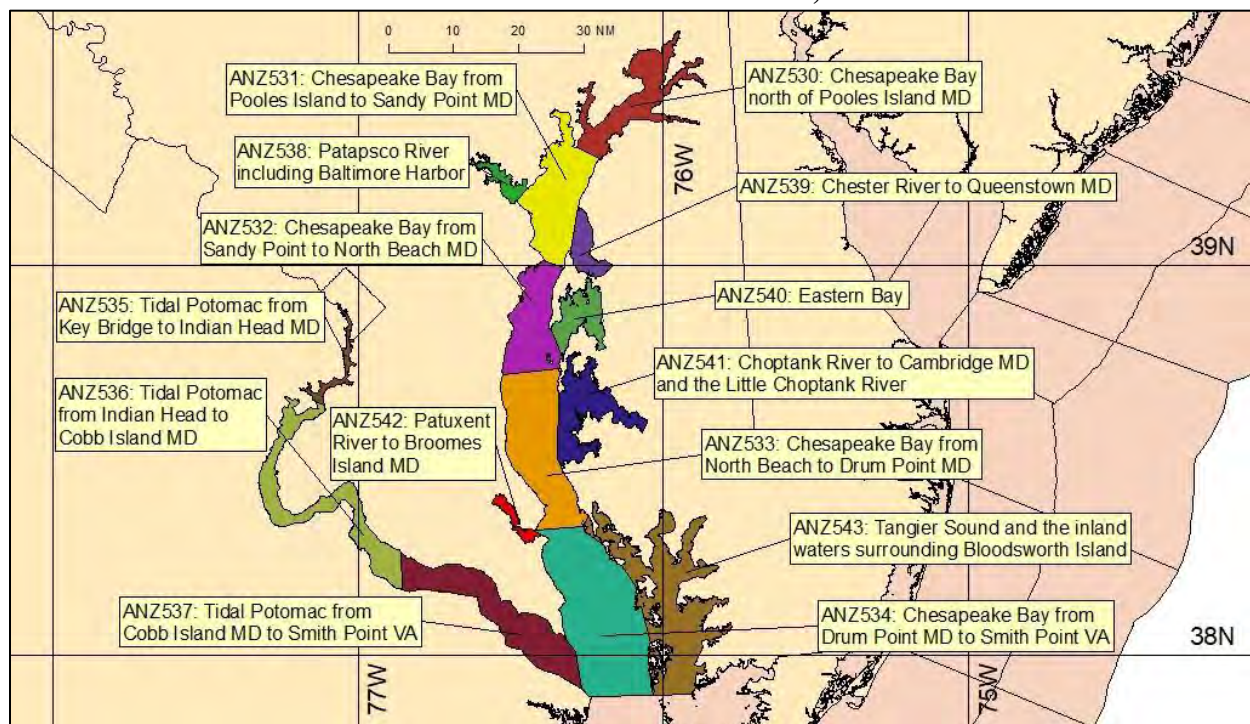
AREA OF RESPONSIBILITY BOUNDARIES

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 Manasquan Inlet, NJ, out 20 to 40 NM
- ANZ471* *Waters from Manasquan Inlet, NJ to Little Egg Inlet, NJ, out 20 to 40 NM
- ANZ472* *Waters from Little Egg Inlet, NJ to Great Egg Inlet, NJ, out 20 to 40 NM

- ANZ473* *Waters from Great Egg Inlet, NJ to Cape May, NJ, out 20 to 40 NM
 ANZ475* *Waters from Cape May, NJ to Fenwick Island, DE, out 20 to 40 NM
 *For Special Marine Warning purposes only.

MARINE ZONES FOR WFO STERLING, VA



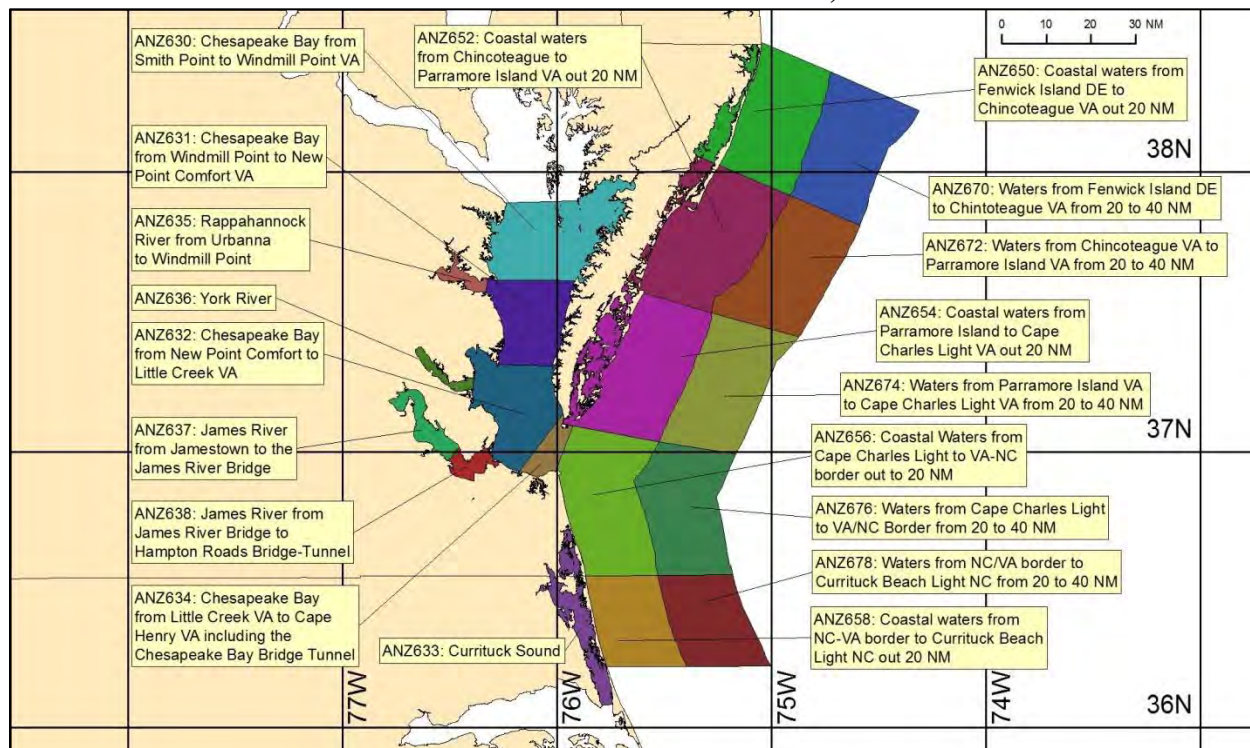
STERLING, VA (LWX)

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 |
| ANZ538 | Patapsco River including Baltimore Harbor |
| ANZ539 | Chester River to Queenstown, MD |
| ANZ540 | Eastern Bay |
| ANZ541 | Choptank River to Cambridge, MD and the Little Choptank River |
| ANZ542 | Patuxent River to Broome's Island, MD |

ANZ543 Tangier Sound and the Inland Waters surrounding Bloodsworth Island

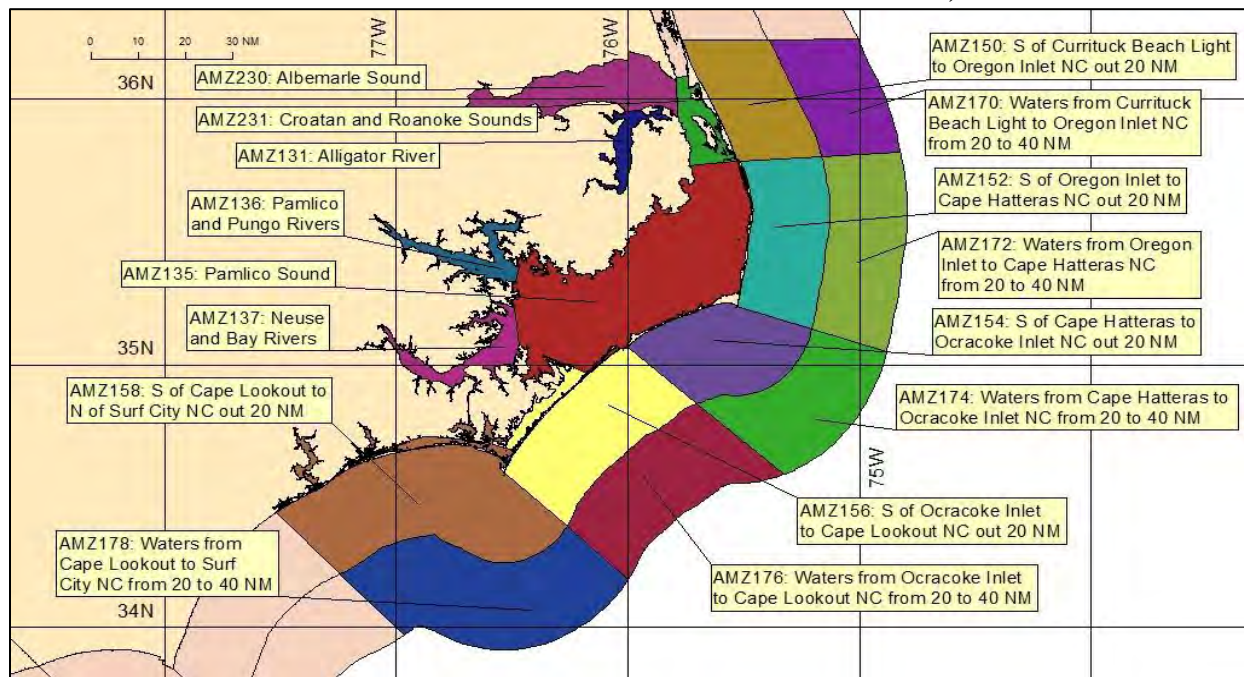
MARINE ZONES FOR WFO WAKEFIELD, VA**WAKEFIELD, VA (AKQ)****AREA OF RESPONSIBILITY BOUNDARIES**

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 Little Creek, VA |
| ANZ634 | Chesapeake Bay from Little Creek, VA to Cape Henry, VA, including the Chesapeake Bay Bridge Tunnel |
| ANZ635 | Rappahannock River from Urbanna to Windmill Point |
| ANZ636 | York River |
| ANZ637 | James River from Jamestown to the James River Bridge |
| ANZ638 | James River from the James River Bridge to Hampton Roads Bridge-Tunnel |
| 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 Chincoteague, VA, from 20 to 40 NM
- ANZ672* *Waters from Chincoteague, VA to Parramore Island, VA, from 20 to 40 NM
- ANZ674* *Waters from Parramore Island, VA to Cape Charles Light, VA, from 20 to 40 NM
- ANZ676* *Waters from Cape Charles Light to VA-NC Border, from 20 to 40 NM
- ANZ678* *Waters from NC-VA border 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)

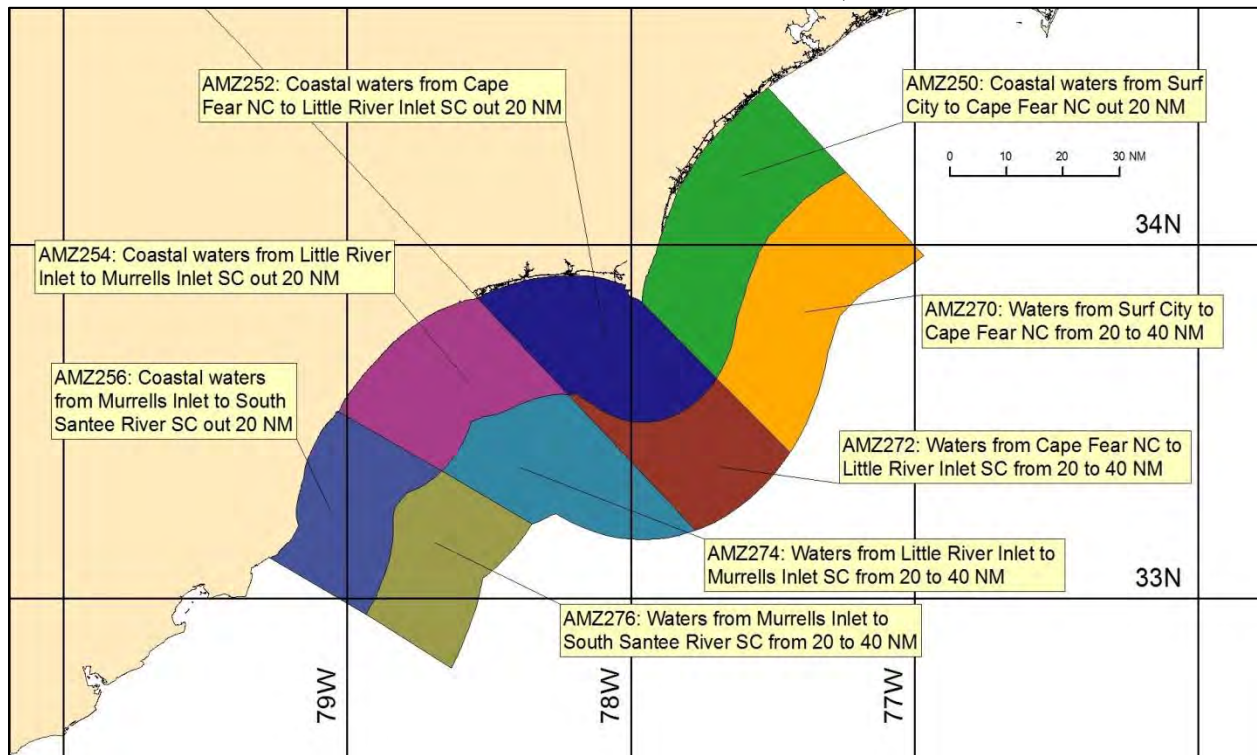
AREA OF RESPONSIBILITY BOUNDARIES

Dare-Currituck, NC county line to Pender-Onslow, NC county line, out 20NM, 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 S of Currituck Beach Light to Oregon Inlet, NC, out 20 NM
- AMZ152 S of Oregon Inlet to Cape Hatteras, NC, out 20 NM
- AMZ154 S of Cape Hatteras to Ocracoke Inlet, NC, out 20 NM
- AMZ156 S of Ocracoke Inlet to Cape Lookout, NC, out 20 NM
- AMZ158 S of Cape Lookout to N of Surf City, NC, out 20 NM
- AMZ230 Albemarle Sound
- AMZ231 Croatan and Roanoke Sounds
- AMZ131 Alligator River
- AMZ135 Pamlico Sound

- AMZ136 Pamlico and Pungo Rivers
 AMZ137 Neuse and Bay Rivers
 AMZ170* *Waters from Currituck Beach Light to Oregon Inlet, NC, from 20 to 40 NM
 AMZ172* *Waters from Oregon Inlet to Cape Hatteras, NC, from 20 to 40 NM
 AMZ174* *Waters from Cape Hatteras to Ocracoke Inlet, NC, from 20 to 40 NM
 AMZ176* *Waters from Ocracoke Inlet to Cape Lookout, NC, from 20 to 40 NM
 AMZ178* *Waters from Cape Lookout to Surf City, NC, from 20 to 40 NM
 *For Special Marine Warning purposes only.

MARINE ZONES FOR WFO WILMINGTON, NC



WILMINGTON, NC (ILM)

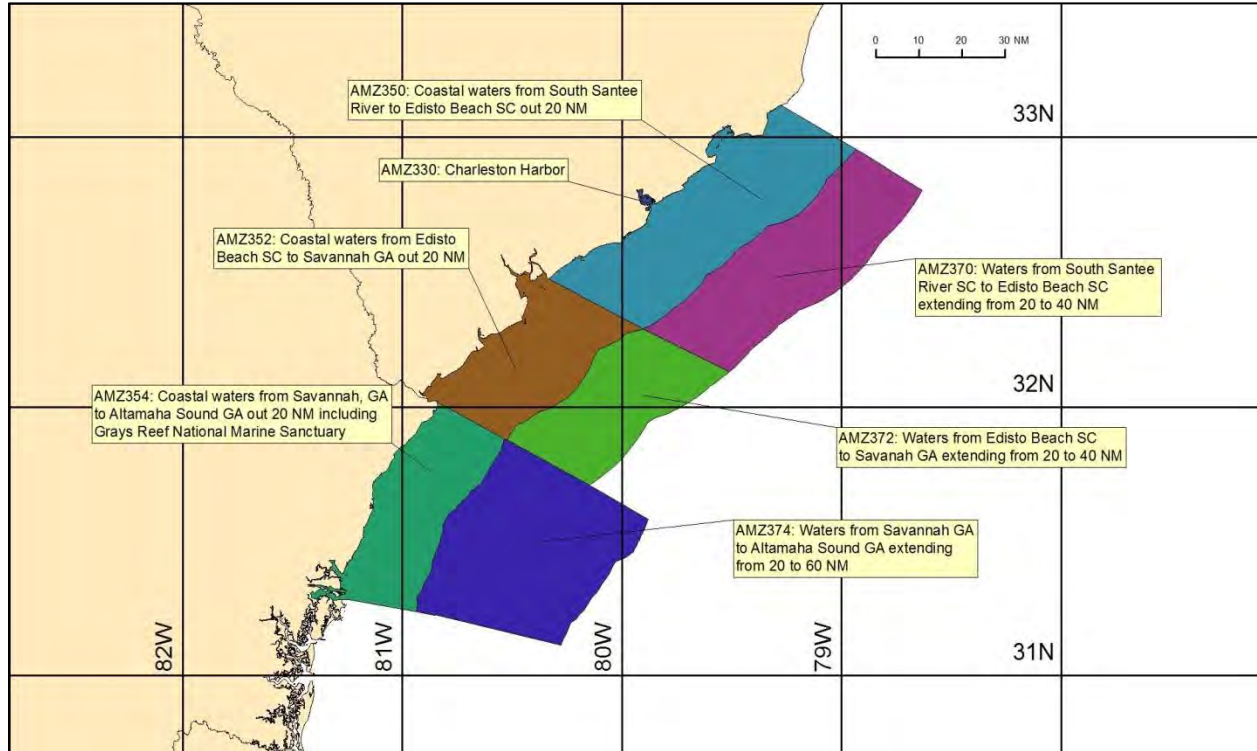
AREA OF RESPONSIBILITY BOUNDARIES

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, NC to South Santee River, SC, 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 to Cape Fear, NC, from 20 to 40 NM
 AMZ272* *Waters from Cape Fear, NC to Little River Inlet, SC, from 20 to 40 NM

- AMZ274* *Waters from Little River Inlet to Murrells Inlet, SC, from 20 to 40 NM
 AMZ276* *Waters from Murrells Inlet 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)

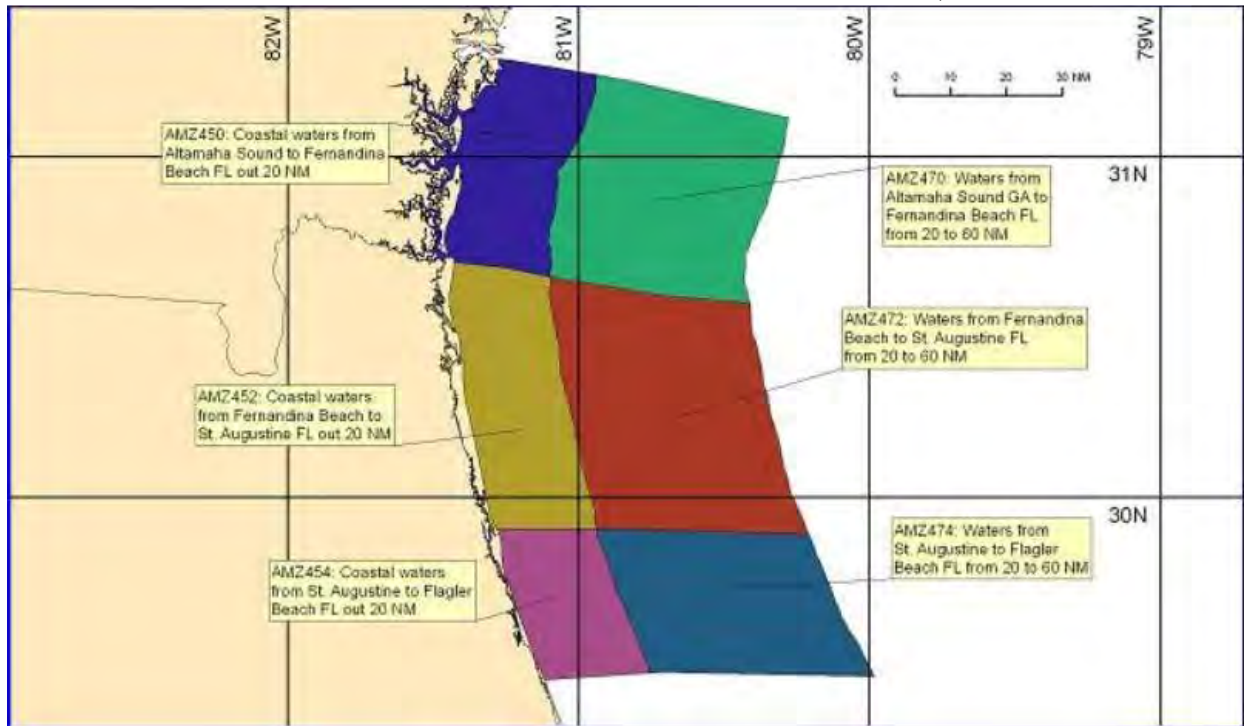
AREA OF RESPONSIBILITY BOUNDARIES

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 Edisto Beach, SC, extending from 20 to 40 NM
 AMZ372* *Waters from Edisto Beach, SC to Savannah, GA, extending 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



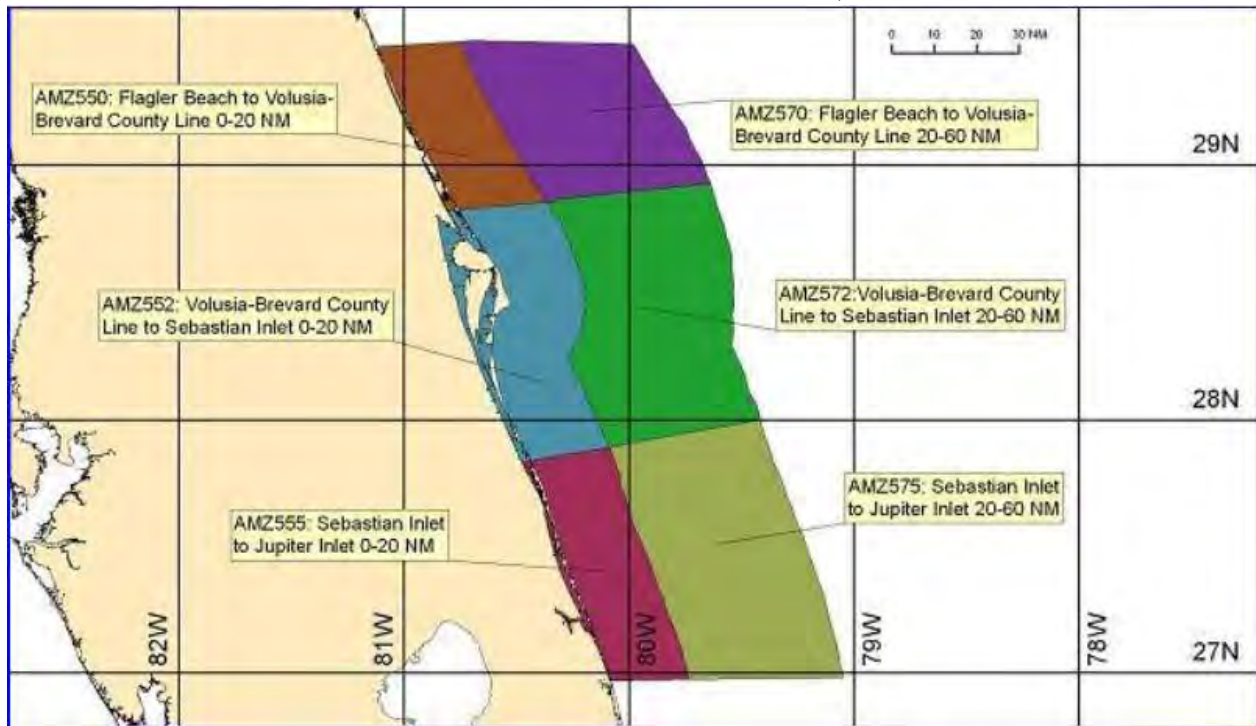
JACKSONVILLE, FL (JAX)

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

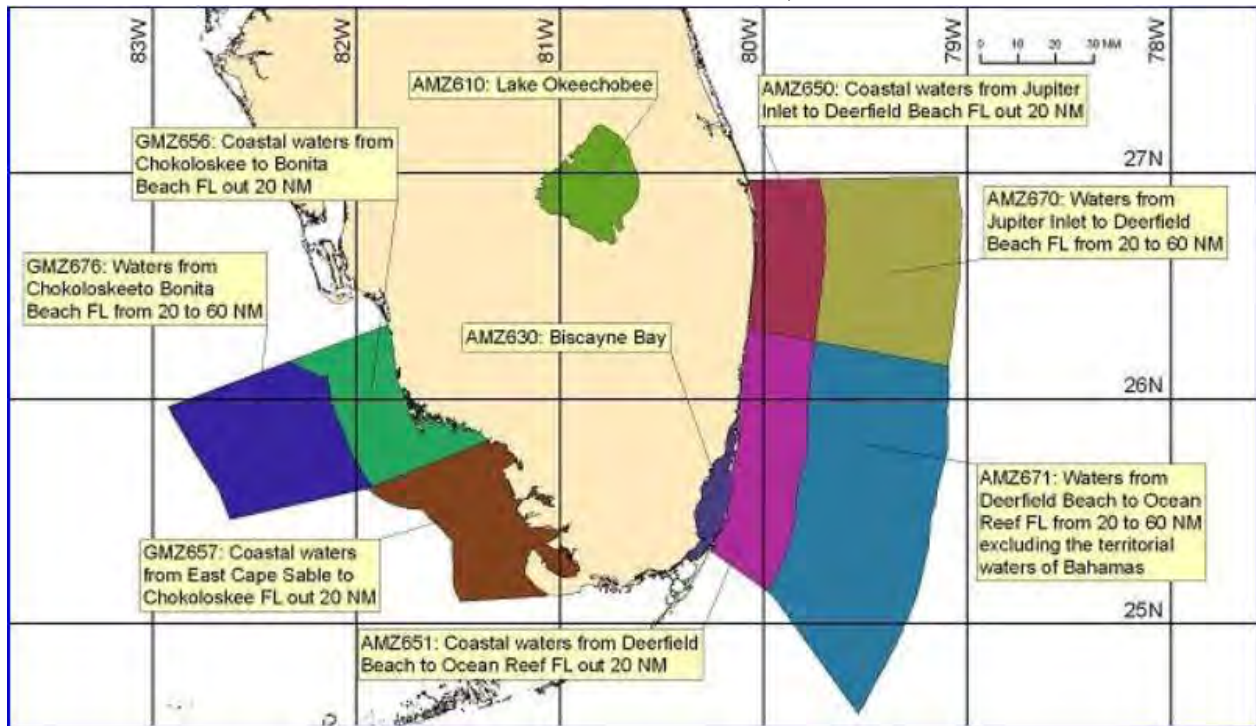


MELBOURNE, FL (MLB)

AREA OF RESPONSIBILITY BOUNDARIES

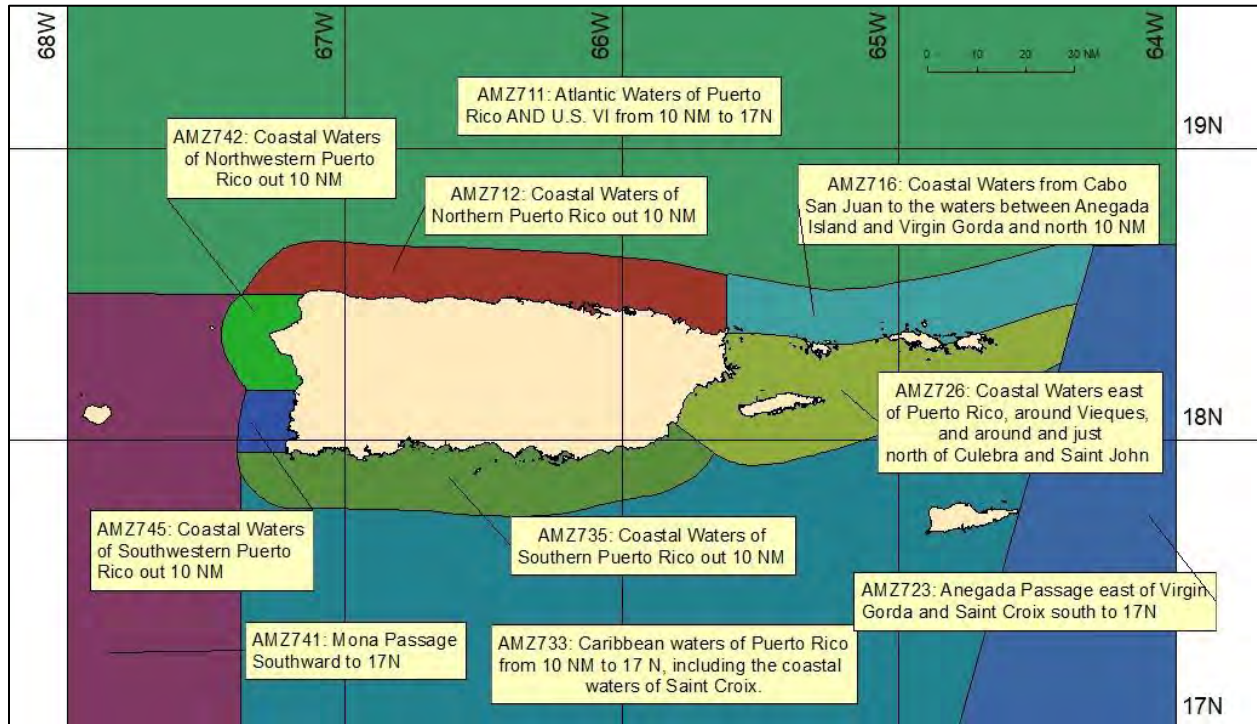
Volusia-Flagler, FL county line to Martin-Palm Beach, FL county line, out 60 NM.

- 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**

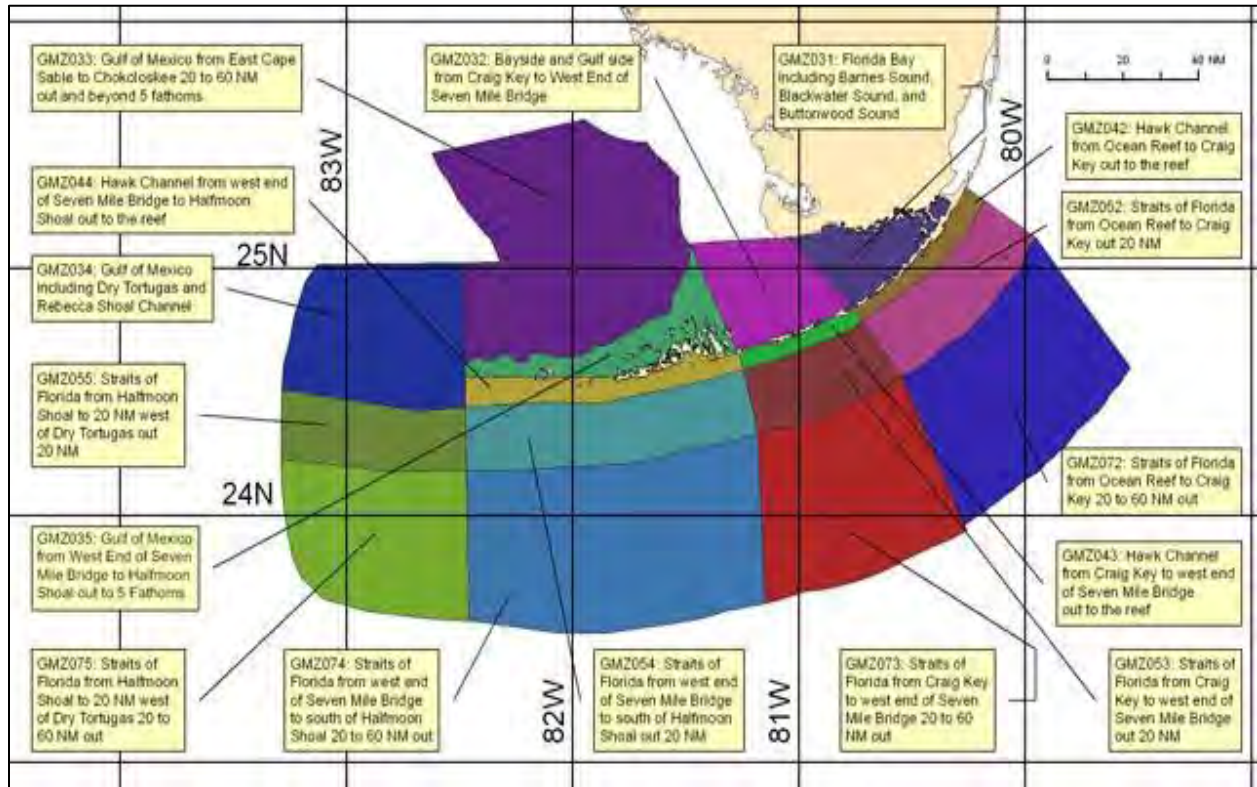
Martin-Palm Beach, FL county line to Lee-Collier, FL county line, excluding Florida Bay and the Keys, out 60 NM.

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
AMZ711	Atlantic Waters of Puerto Rico AND U.S. VI 10 NM to 17N
AMZ712	Coastal Waters of Northern Puerto Rico, out 10 NM
AMZ716	Coastal Waters from Cabo San Juan to the waters between Anegada Island and Virgin Gorda and north 10 NM
AMZ723	Anegada Passage east of Virgin Gorda and Saint Croix south to 17N
AMZ726	Coastal Waters east of Puerto Rico around Vieques, and around and just north of Culebra and Saint John
AMZ733	Caribbean Waters of Puerto Rico from 10 NM to 17N, including the coastal waters of Saint Croix
AMZ735	Coastal Waters of Southern Puerto Rico, out 10 NM
AMZ741	Mona Passage Southward to 17N
AMZ742	Coastal Waters of Northwestern Puerto Rico, out 10 NM
AMZ745	Coastal Waters of Southwestern Puerto Rico, out 10 NM

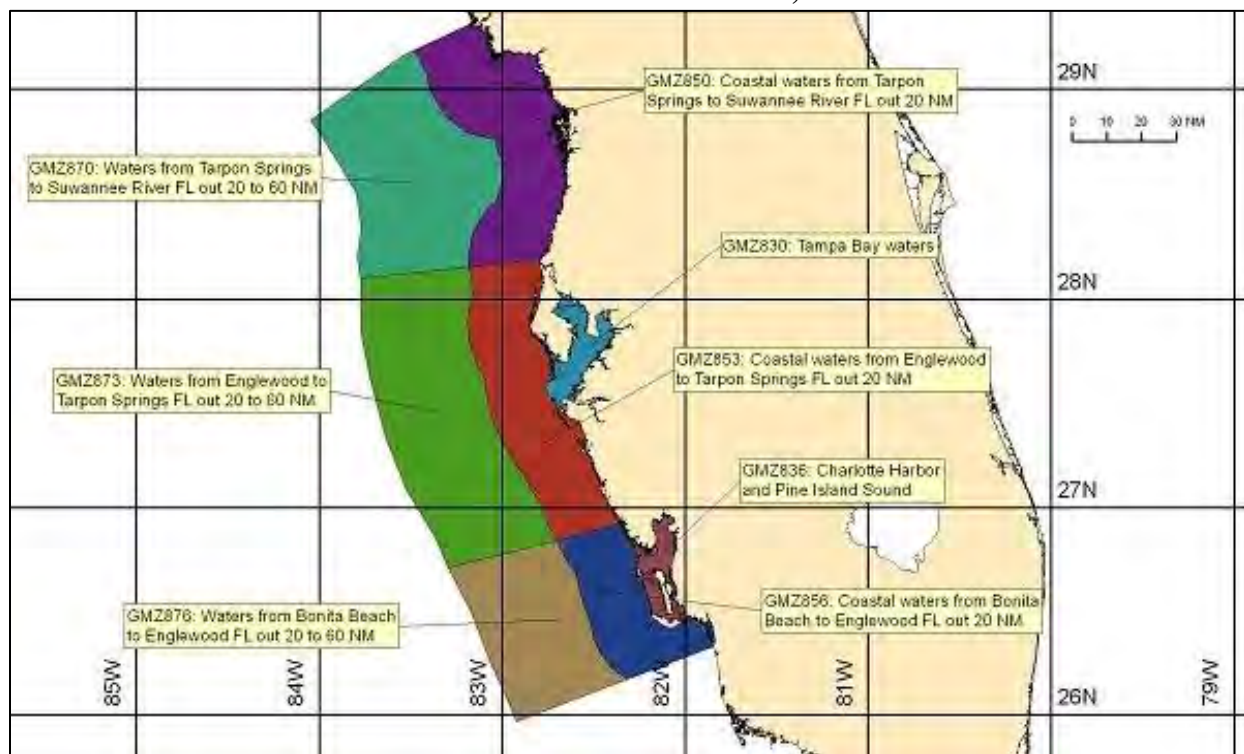
MARINE ZONES FOR WFO KEY WEST, FL**KEY WEST, FL (KEY)****AREA OF RESPONSIBILITY BOUNDARIES**

Florida Bay and the Keys, including the Florida Keys National Marine Sanctuary.

GMZ005	Synopsis for Keys Coastal Waters from Ocean Reef to Dry Tortugas
GMZ031	Florida Bay including Barnes Sound, Blackwater Sound, and Buttonwood Sound
GMZ032	Bayside and Gulfside from Craig Key to west end of Seven Mile Bridge
GMZ033	Gulf of Mexico from East Cape Sable to Chokoloskee, 20 to 60 nm out and beyond 5 fathoms
GMZ034	Gulf of Mexico including Dry Tortugas and Rebecca Shoal Channel
GMZ035	Gulf of Mexico from west end of Seven Mile Bridge to Halfmoon Shoal out to 5 fathoms
GMZ042	Hawk Channel from Ocean Reef to Craig Key out to the reef
GMZ043	Hawk Channel from Craig Key to west end of Seven Mile Bridge, out to the reef
GMZ044	Hawk Channel from west end of Seven Mile Bridge to Halfmoon Shoal, out to the reef
GMZ052	Straits of Florida from Ocean Reef to Craig Key, out 20 nm
GMZ053	Straits of Florida from Craig Key to west end of Seven Mile Bridge, out 20 nm
GMZ054	Straits of Florida from west end of Seven Mile Bridge to south of Halfmoon Shoal, out 20 nm
GMZ055	Straits of Florida from Halfmoon Shoal to 20 nm west of Dry Tortugas, out 20 nm

- GMZ072 Straits of Florida from Ocean Reef to Craig Key, 20 to 60 nm out
- GMZ073 Straits of Florida from Craig Key to west end of Seven Mile Bridge, 20 to 60 nm out
- GMZ074 Straits of Florida from west end of Seven Mile Bridge to south of Halfmoon Shoal, 20 to 60 nm out
- GMZ075 Straits of Florida from Halfmoon Shoal to 20 nm west of Dry Tortugas 20 to 60 nm out

MARINE ZONES FOR WFO TAMPA, FL



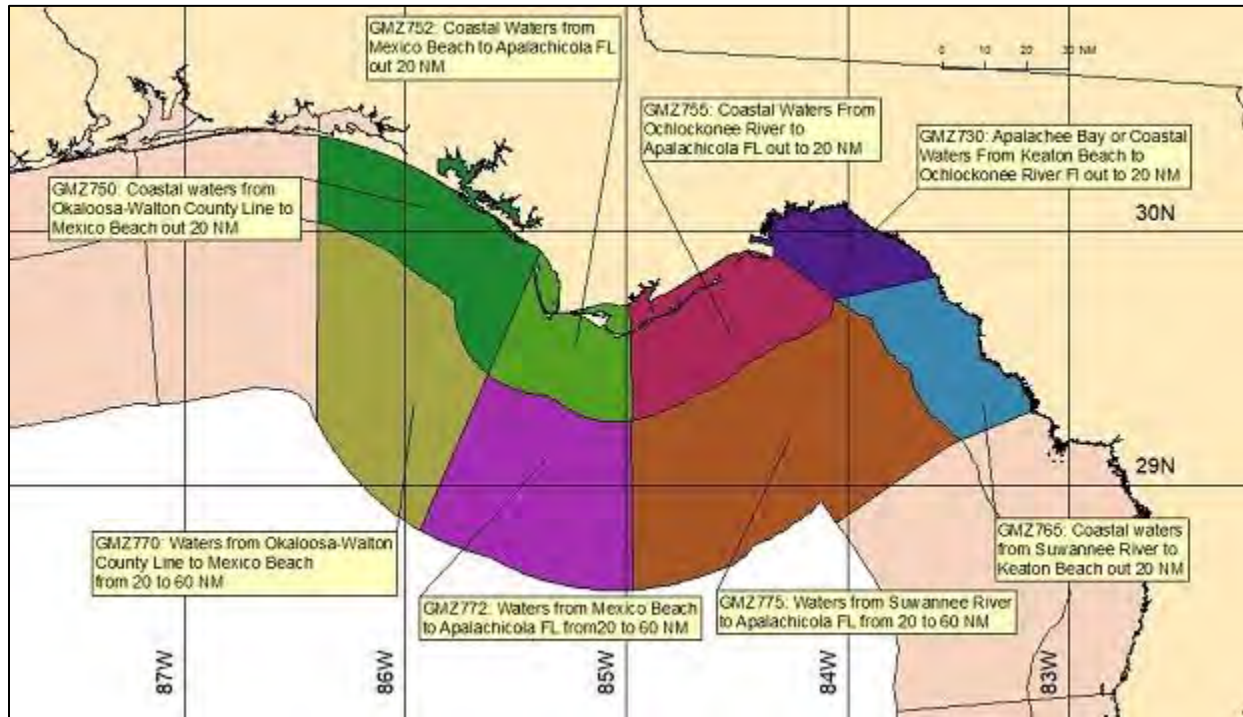
TAMPA, FL (TBW)

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
- GMZ836 Charlotte Harbor and Pine Island Sound
- 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



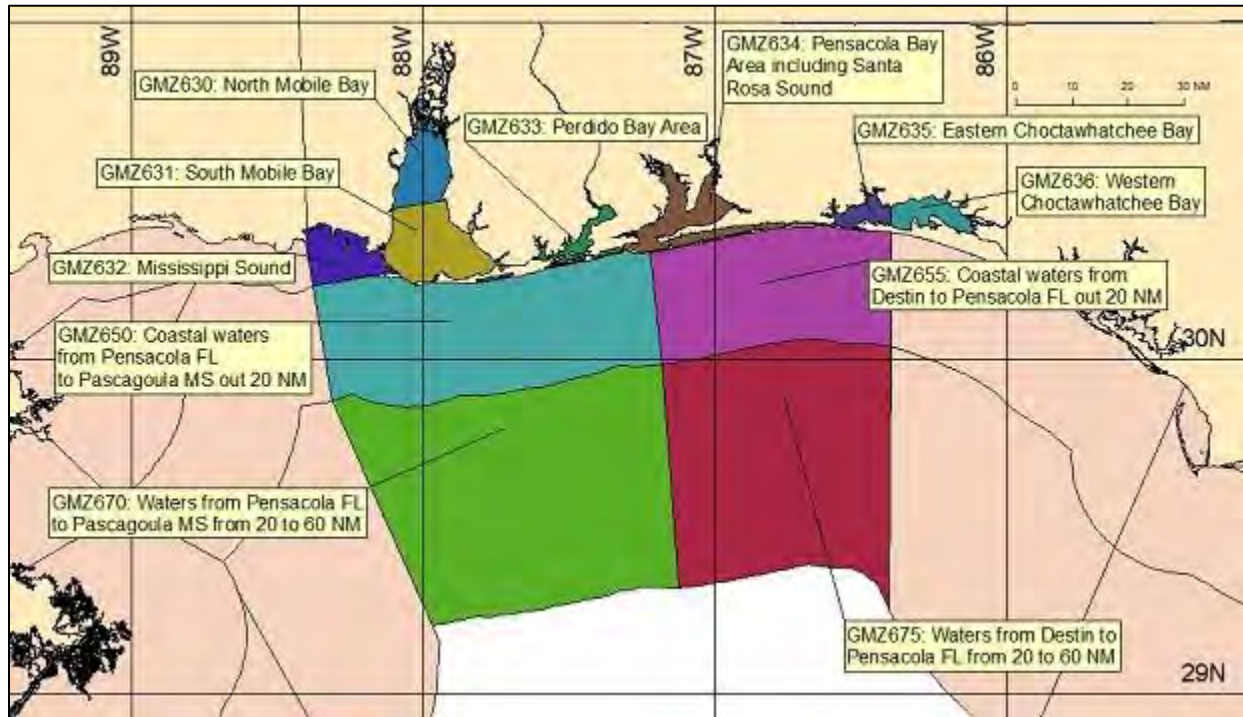
TALLAHASSEE, FL (TAE)

AREA OF RESPONSIBILITY BOUNDARIES

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

GMZ700	Synopsis for Suwannee River to Okaloosa Walton County Line FL out to 60 NM
GMZ730	Apalachee Bay or Coastal Waters from Keaton Beach to Ochlockonee River FL, out to 20 NM
GMZ765	Coastal waters from Suwannee River to Keaton Beach FL out 20 NM
GMZ755	Coastal Waters from Ochlockonee River to Apalachicola, FL, out 20 NM
GMZ775	Waters from Suwannee River to Apalachicola, FL, from 20 to 60 NM
GMZ752	Coastal Waters from Mexico Beach to Apalachicola FL out 20 NM
GMZ772	Waters from Apalachicola to Mexico Beach FL from 20 to 60 NM
GMZ750	Coastal waters from Mexico Beach to Okaloosa Walton County Line FL out 20 NM
GMZ770	Waters from Mexico Beach to Okaloosa Walton County Line FL from 20 to 60 NM

MARINE ZONES FOR WFO MOBILE, AL

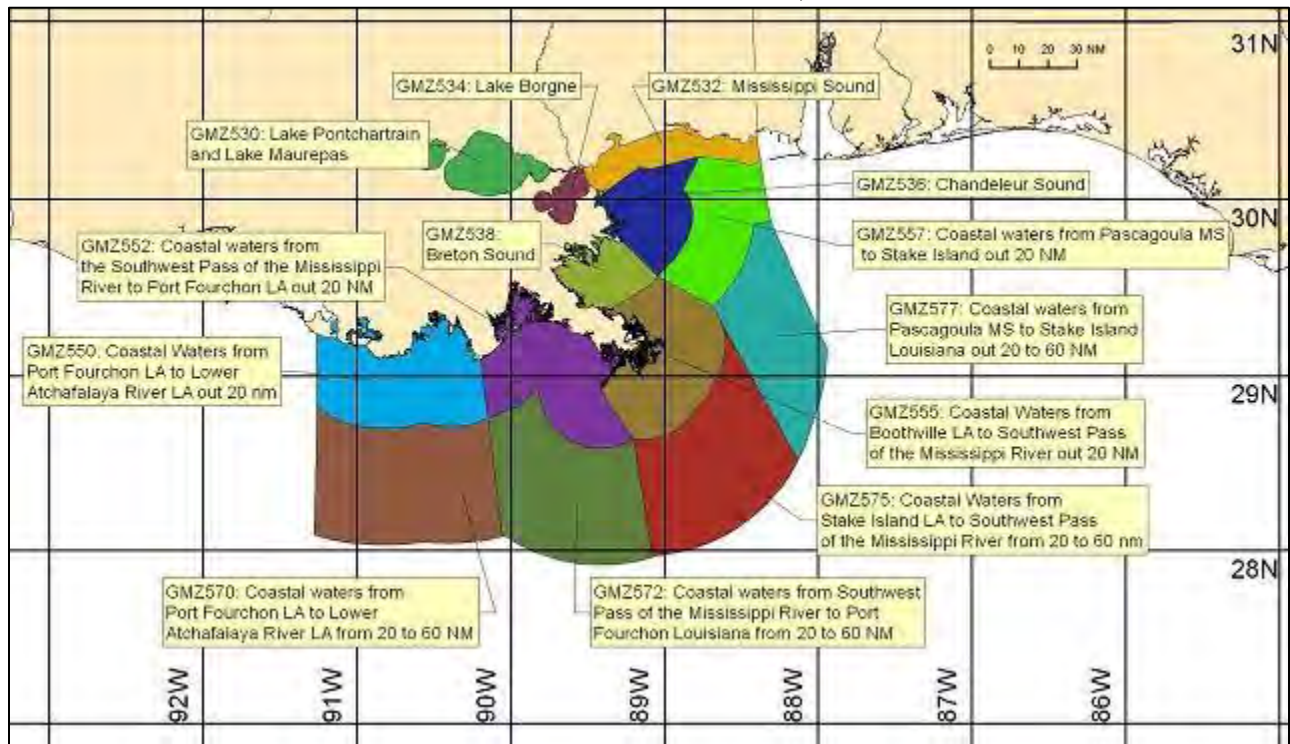


MOBILE, AL (MOB)

AREA OF RESPONSIBILITY BOUNDARIES

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

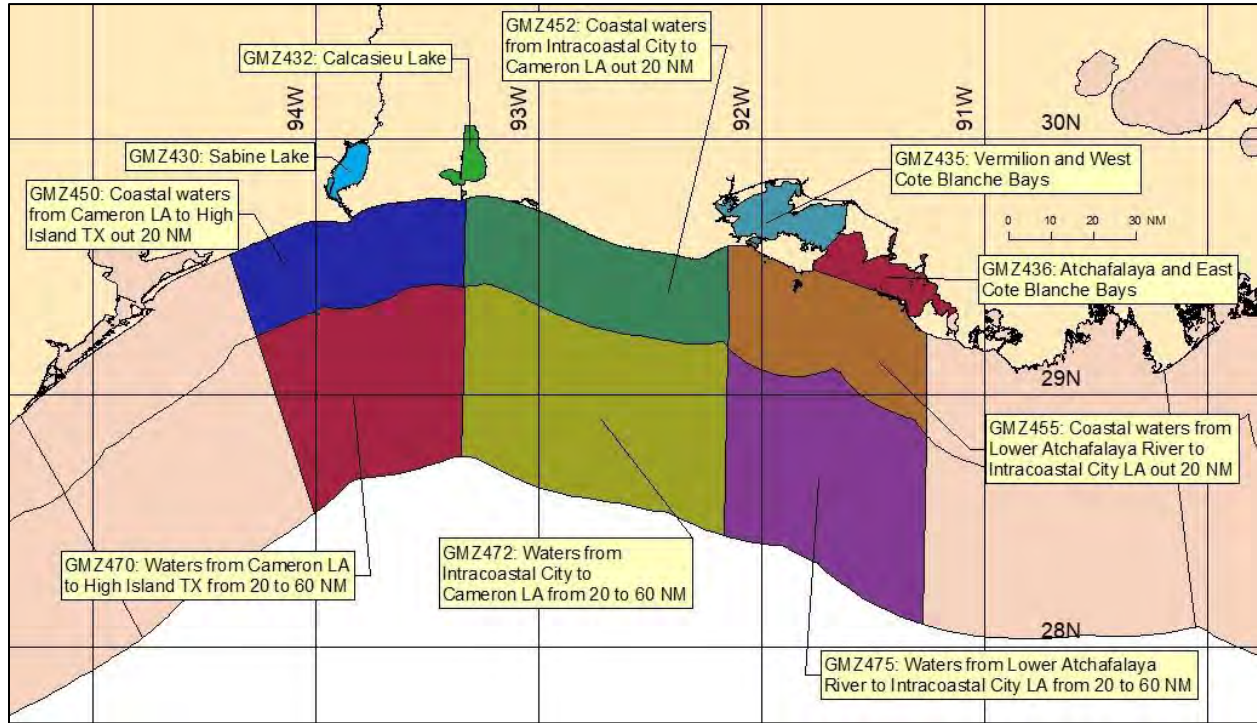
GMZ600	Synopsis for Pascagoula MS to Okaloosa Walton County Line FL out 60 NM including Major Area Bays and Sounds
GMZ655	Coastal waters from Okaloosa Walton County Line FL to Pensacola FL out 20 NM
GMZ675	Waters from Okaloosa Walton County Line FL to Pensacola FL from 20 to 60 NM
GMZ650	Coastal waters from Pensacola, FL to Pascagoula, MS, out 20 NM
GMZ670	Waters from Pensacola, FL to Pascagoula, MS, from 20 to 60 NM
GMZ630	Northern Mobile Bay
GMZ631	Southern Mobile Bay
GMZ632	Mississippi Sound
GMZ633	Perdido Bay
GMZ634	Pensacola Bay System
GMZ635	Western Choctawhatchee Bay
GMZ636	Eastern Choctawhatchee 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
GMZ530	Lake Pontchartrain and Lake Maurepas
GMZ532	Mississippi Sound
GMZ534	Lake Borgne
GMZ536	Chandeleur Sound
GMZ538	Breton Sound
GMZ555	Coastal waters from Boothville, LA to Southwest Pass of the Mississippi River, out 20 NM
GMZ575	Coastal waters from Stake Island, LA to the Southwest Pass of the Mississippi River, from 20 to 60 NM
GMZ557	Coastal waters from Pascagoula, MS to Stake Island, LA, out 20 NM
GMZ577	Coastal waters from Pascagoula, MS to Stake Island, LA, from 20 to 60 NM
GMZ501	Synopsis for SW Pass of the Mississippi River to Atchafalaya River
GMZ550	Coastal waters from Port Fourchon, LA to Lower Atchafalaya River, LA, out 20 NM
GMZ570	Coastal waters from Port Fourchon, LA to Lower Atchafalaya River, LA, from 20 to 60 NM
GMZ552	Coastal waters from the Southwest Pass of the Mississippi River to Port Fourchon, LA, out 20 NM

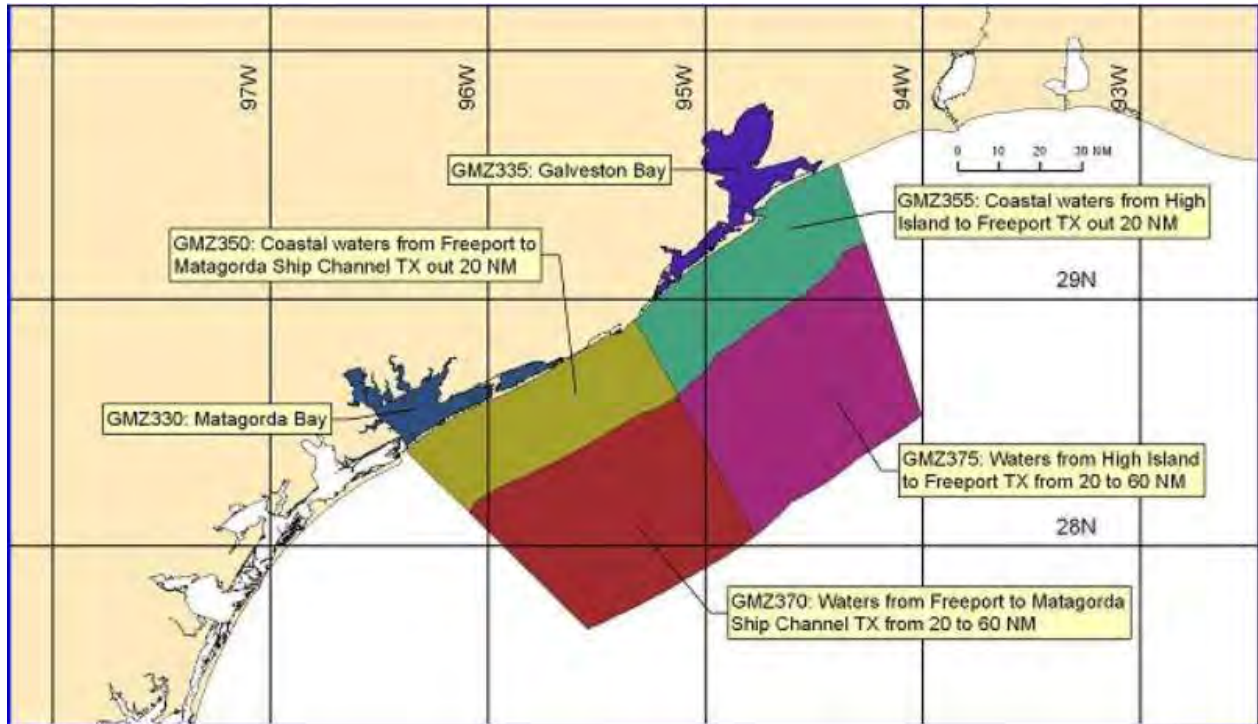
GMZ572 Coastal waters from the Southwest Pass of the Mississippi River to Port Fourchon, LA, from 20 to 60 NM

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 and West Cote Blanche Bays
GMZ436	Atchafalaya and East Cote Blanche Bays

MARINE ZONES FOR WFO HOUSTON-GALVESTON, TX



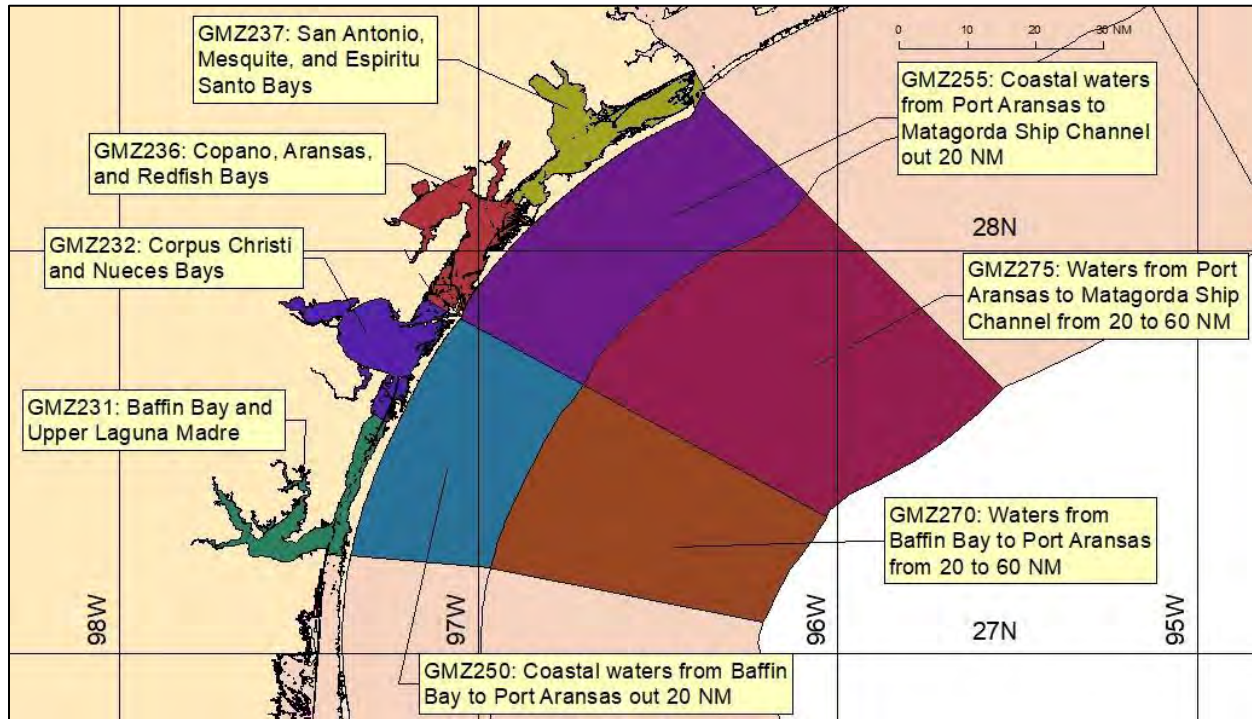
HOUSTON-GALVESTON, TX (HGX)

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

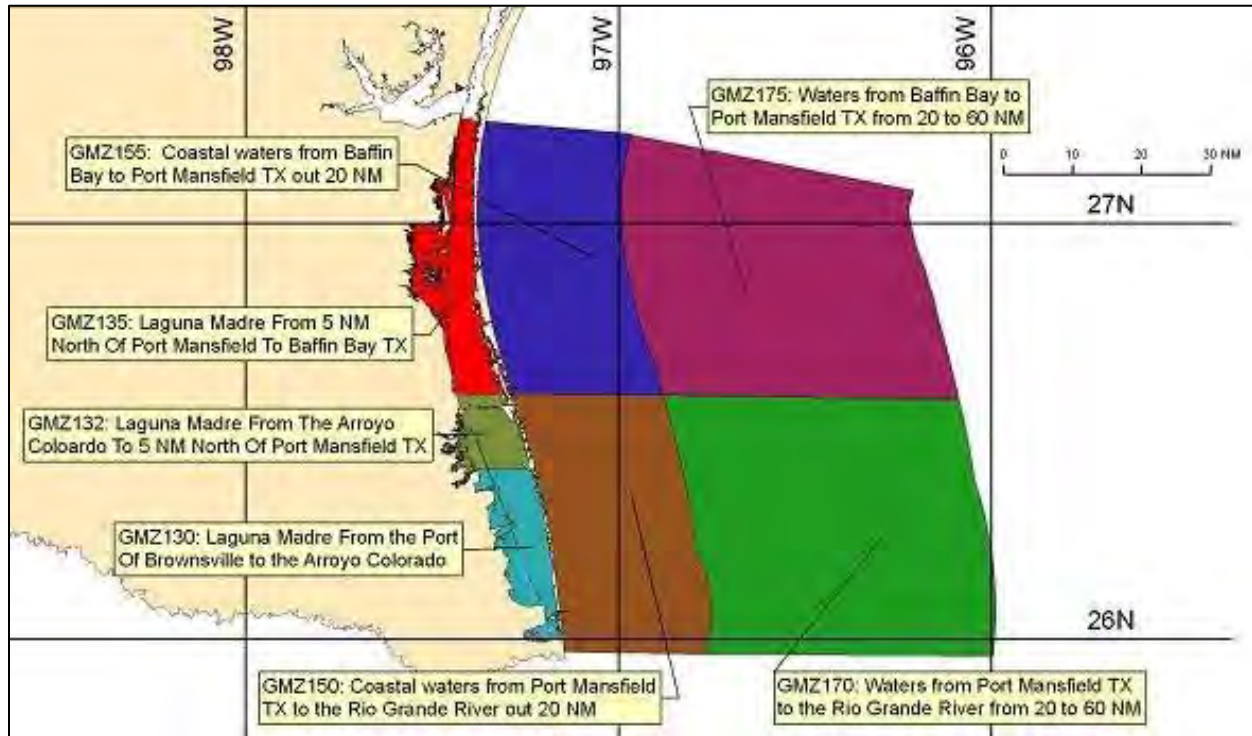


CORPUS CHRISTI, TX (CRP)

AREA OF RESPONSIBILITY BOUNDARIES

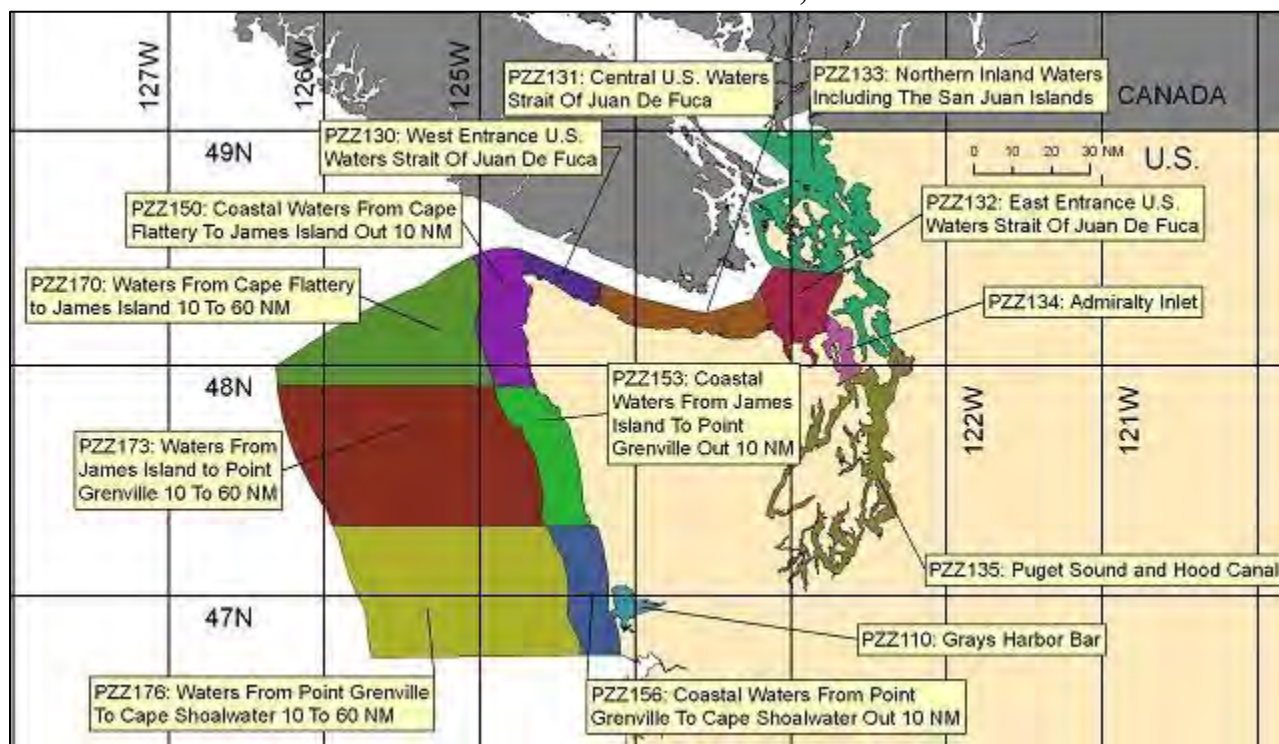
Calhoun-Matagorda county line to Kenedy-Kleberg, TX county line, out 60 NM.

GMZ200	Synopsis for the middle Texas coastal waters
GMZ231	Baffin Bay and Upper Laguna Madre
GMZ232	Corpus Christi and Nueces Bays
GMZ236	Copano, Aransas and Redfish Bays
GMZ237	San Antonio, Mesquite and Espiritu Santo Bays
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
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

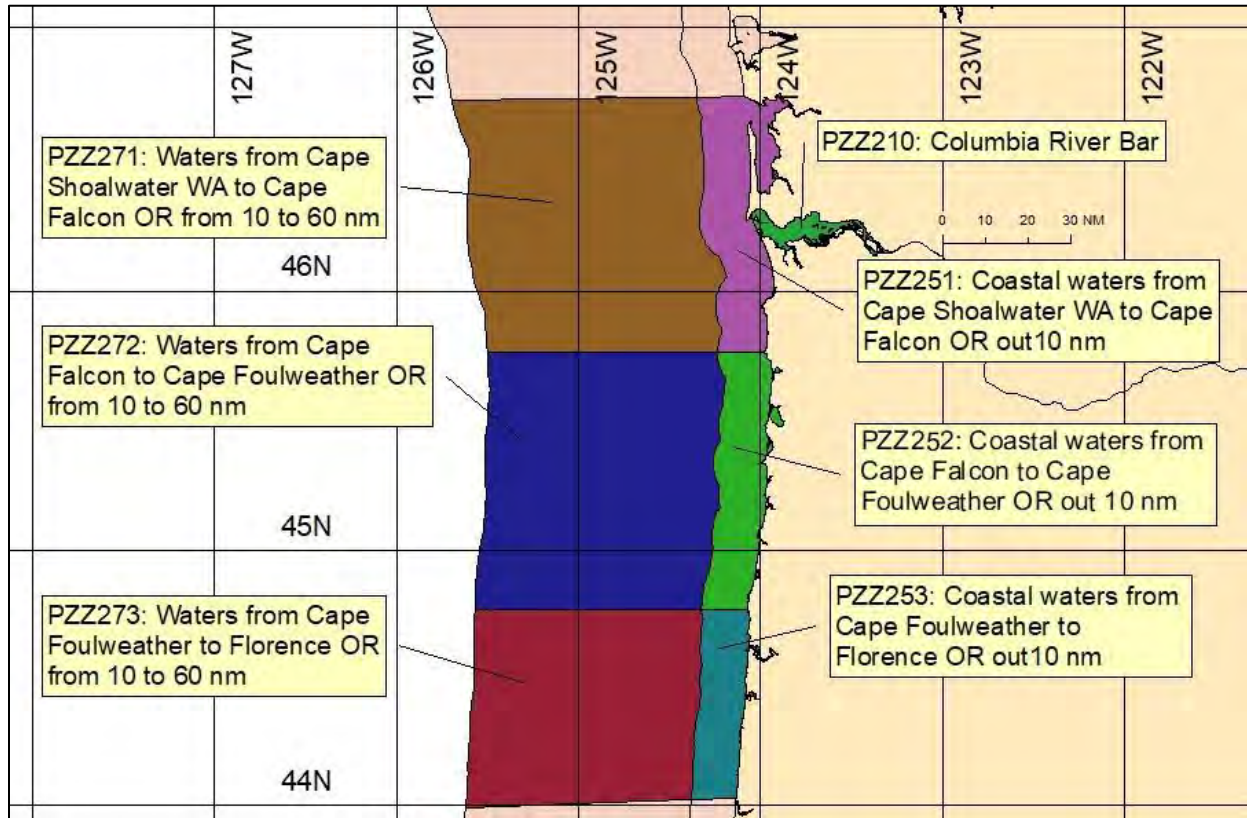
Kenedy-Kleberg, TX county line to U.S./Mexican border (Rio Grande River), out 60 NM.

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.

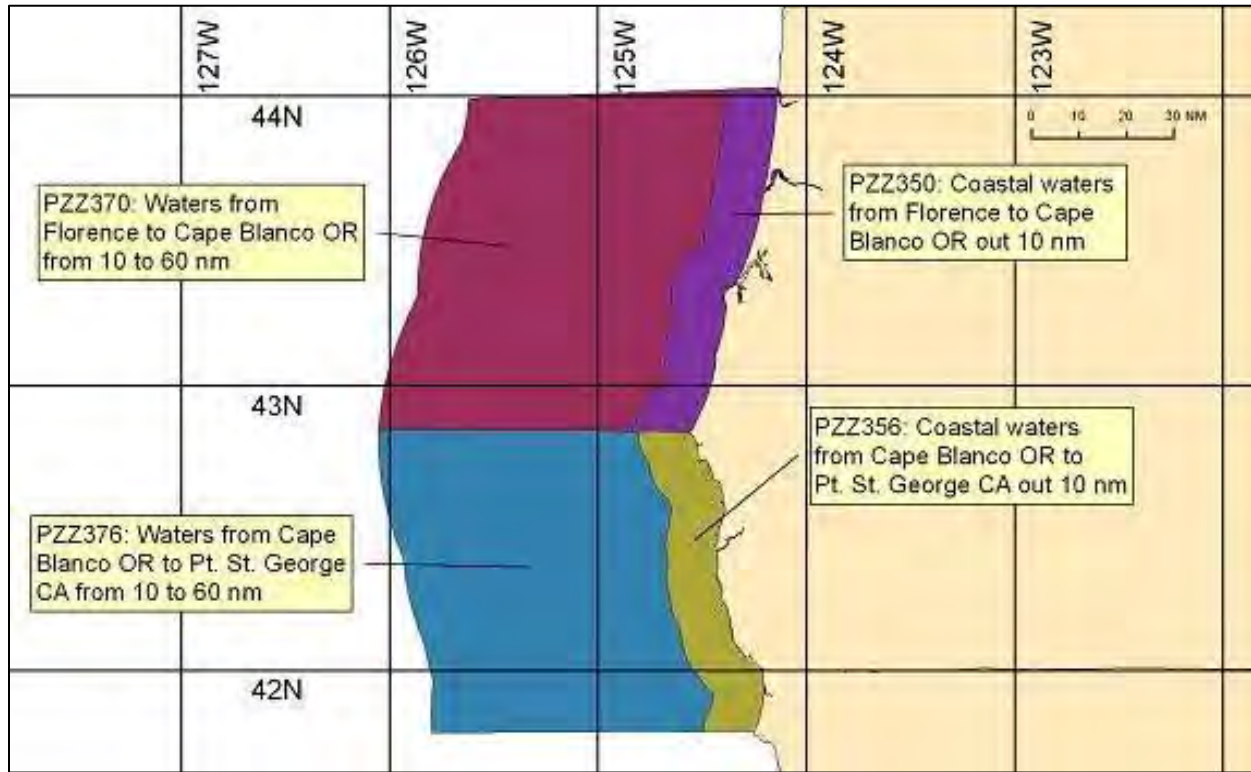
PZZ100	Synopsis for Northern and Central Washington Coastal and Inland Waters
PZZ133	Northern inland waters including the San Juan Islands
PZZ135	Puget Sound and Hood Canal
PZZ134	Admiralty Inlet
PZZ132	East Entrance, U.S. waters Strait of Juan de Fuca
PZZ131	Central U.S. waters Strait of Juan de Fuca
PZZ130	West Entrance, U.S. waters Strait of Juan de Fuca
PZZ150	Coastal waters from Cape Flattery to James Island, out 10 NM
PZZ170	Waters from Cape Flattery to James Island, 10 to 60 NM
PZZ153	Coastal waters from James Island to Point Grenville, out 10 NM
PZZ173	Waters from James Island to Point Grenville, 10 to 60 NM
PZZ156	Coastal waters from Point Grenville to Cape Shoalwater, out 10 NM
PZZ176	Waters from Point Grenville to Cape Shoalwater, 10 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
PZZ210	Columbia River Bar – Two period wave/current forecast only
PZZ251	Coastal Waters from Cape Shoalwater WA to Cape Falcon OR out 10 nm
PZZ271	Waters from Cape Shoalwater WA to Cape Falcon OR 10 to 60 nm
PZZ252	Coastal waters from Cape Falcon to Cape Foulweather, OR, out 10 NM
PZZ272	Waters from Cape Falcon to Cape Foulweather, OR from 10 to 60 NM
PZZ253	Coastal waters from Cape Foulweather to Florence, OR out 10 NM
PZZ273	Waters from Cape Foulweather to Florence, OR, from 10 to 60 NM

MARINE ZONES FOR WFO MEDFORD, OR

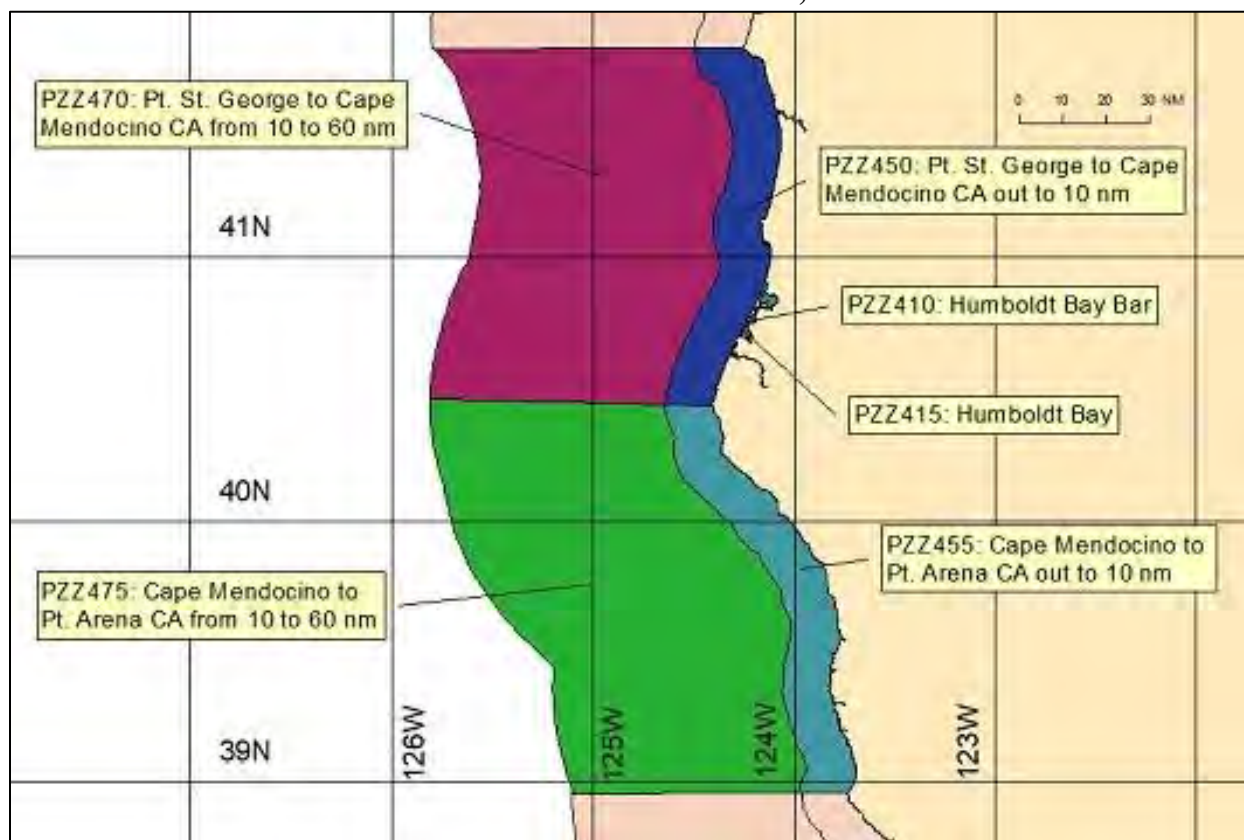


MEDFORD, OR (MFR)

AREA OF RESPONSIBILITY BOUNDARIES

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

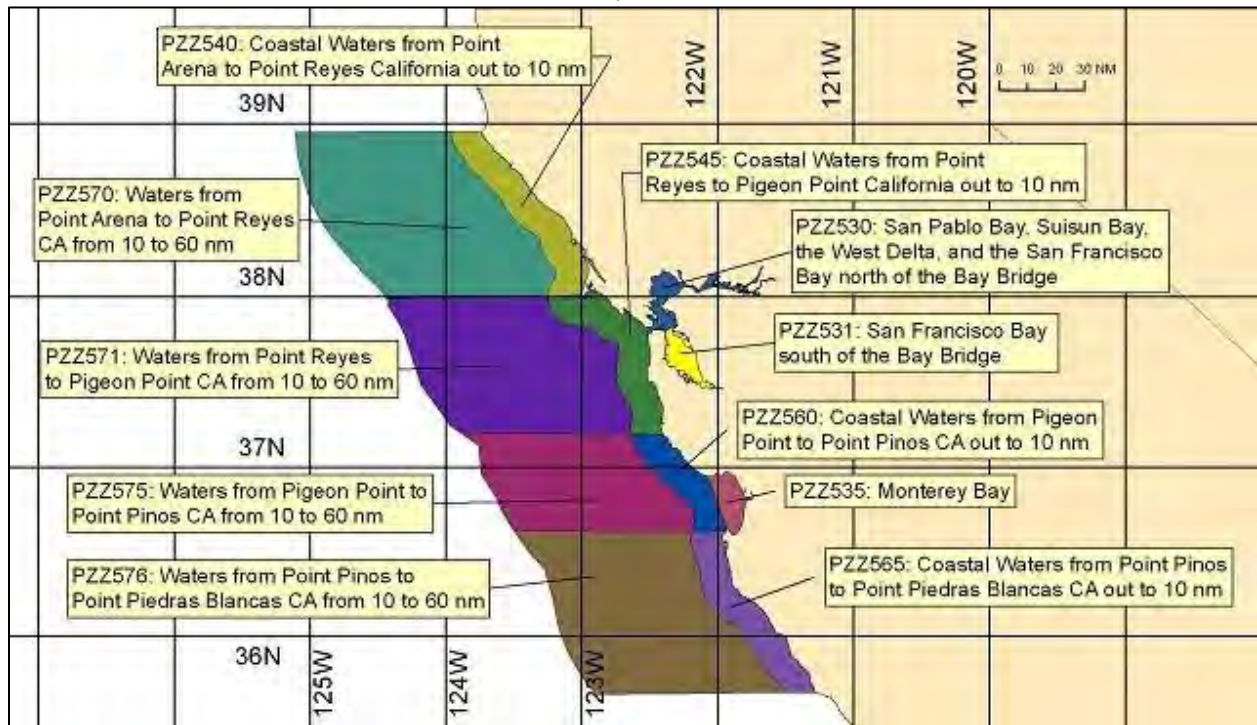
- PZZ300 Synopsis for the Southern Oregon Coastal Waters
- PZZ350 Coastal waters from Florence to Cape Blanco, OR, out 10 NM
- PZZ370 Waters from Florence to Cape Blanco, OR, from 10 to 60 NM
- PZZ356 Coastal waters from Cape Blanco, OR to Pt. St. George, CA, out 10 NM
- PZZ376 Waters from Cape Blanco, OR to Pt. St. George, CA, from 10 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.)
PZZ415	Humboldt Bay

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

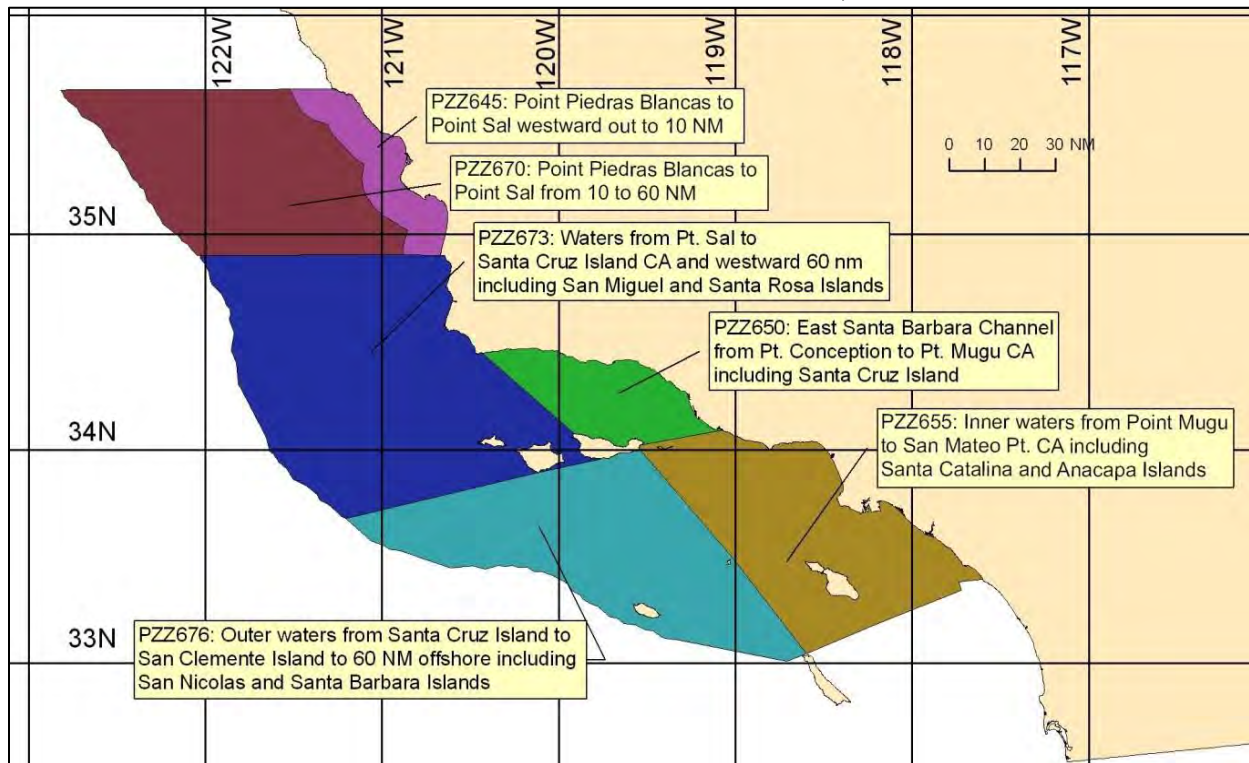


SAN FRANCISCO BAY AREA AT MONTEREY, CA (MTR)

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.

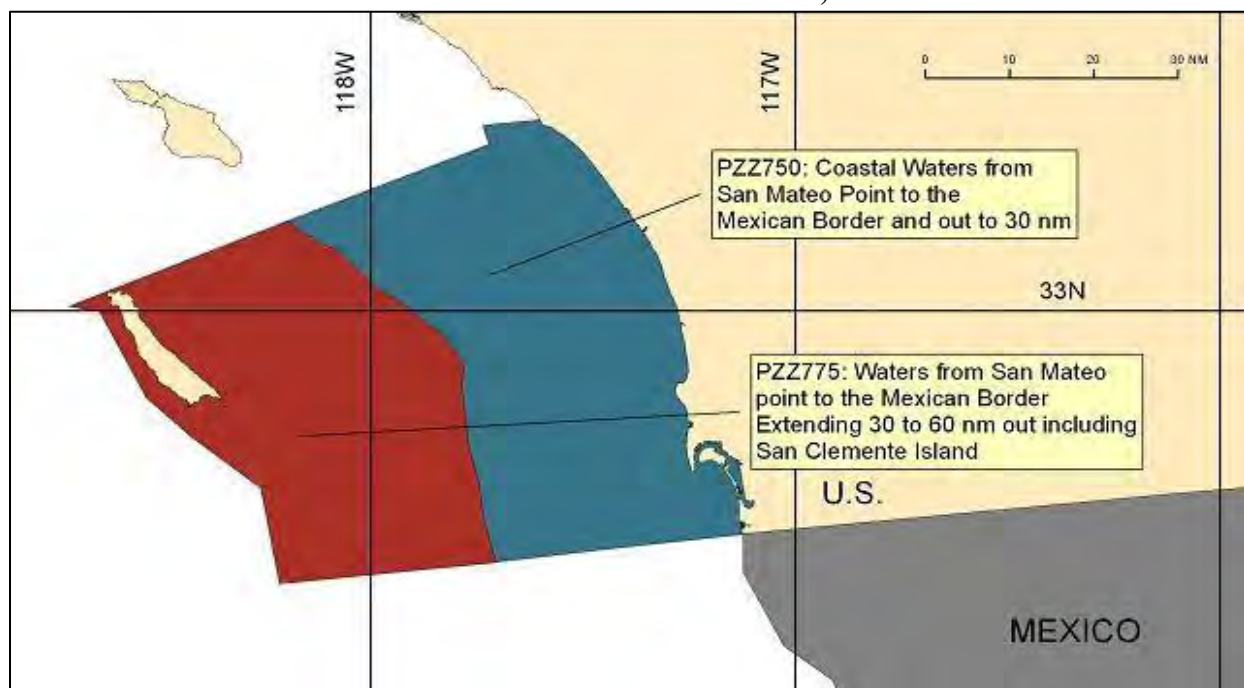
PZZ500	Synopsis for Central California Coast and Bays, including Monterey Bay, Gulf of the Farallones, and Cordell Bank National Marine Sanctuaries
PZZ540	Coastal Waters from Point Arena to Point Reyes, CA, out to 10 NM
PZZ545	Coastal Waters from Point Reyes to Pigeon Point, CA, out to 10 NM
PZZ560	Coastal Waters from Pigeon Point to Point Pinos, CA, out to 10 NM
PZZ565	Coastal Waters from Point Pinos to Point Piedras Blancas, CA, out to 10 NM
PZZ570	Waters from Point Arena to Point Reyes, CA, from 10 to 60 NM
PZZ571	Waters from Point Reyes to Pigeon Point, CA, from 10 to 60 NM
PZZ575	Waters from Pigeon Point to Point Pinos, CA, from 10 to 60 NM
PZZ576	Waters from Point Pinos to Point Piedras Blancas, CA, from 10 to 60 NM
PZZ535	Monterey Bay
PZZ530	San Pablo Bay, Suisun Bay, the West Delta, and the San Francisco Bay north of the Bay Bridge
PZZ531	San Francisco Bay south of the Bay Bridge

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 and National Park.

PZZ600	Synopsis for Southern California Coast and Santa Barbara Channel, including the Channel Islands National Marine Sanctuary and National Park
PZZ645	Point Piedras Blancas to Point Sal, westward out to 10 NM
PZZ670	Point Piedras Blancas to Point Sal, from 10 to 60 NM
PZZ673	Waters from Point Sal to Santa Cruz Island, CA, and 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 Island
PZZ655	Inner waters from Point Mugu to San Mateo Point, CA, including Santa Catalina and Anacapa Islands
PZZ676	Outer waters from Santa Cruz Island to San Clemente Island, to 60 NM offshore, including San Nicolas and Santa Barbara Islands

MARINE ZONES FOR WFO SAN DIEGO, CA

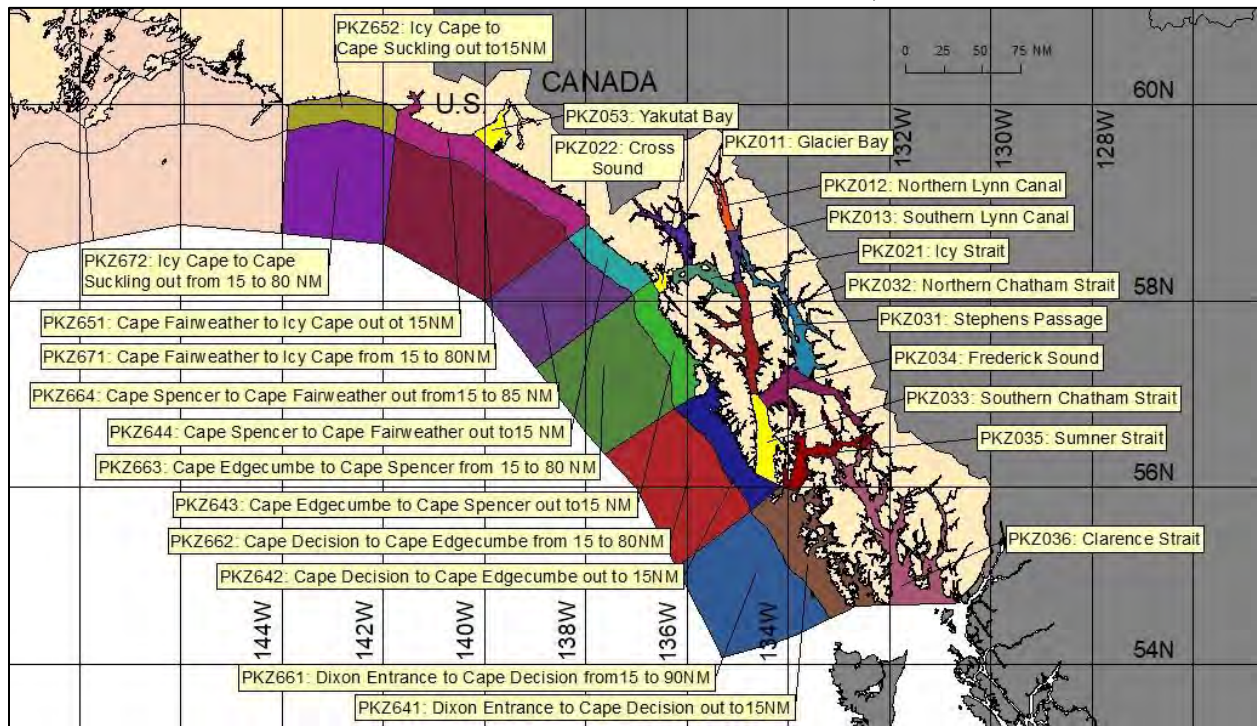


SAN DIEGO, CA (SGX)

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

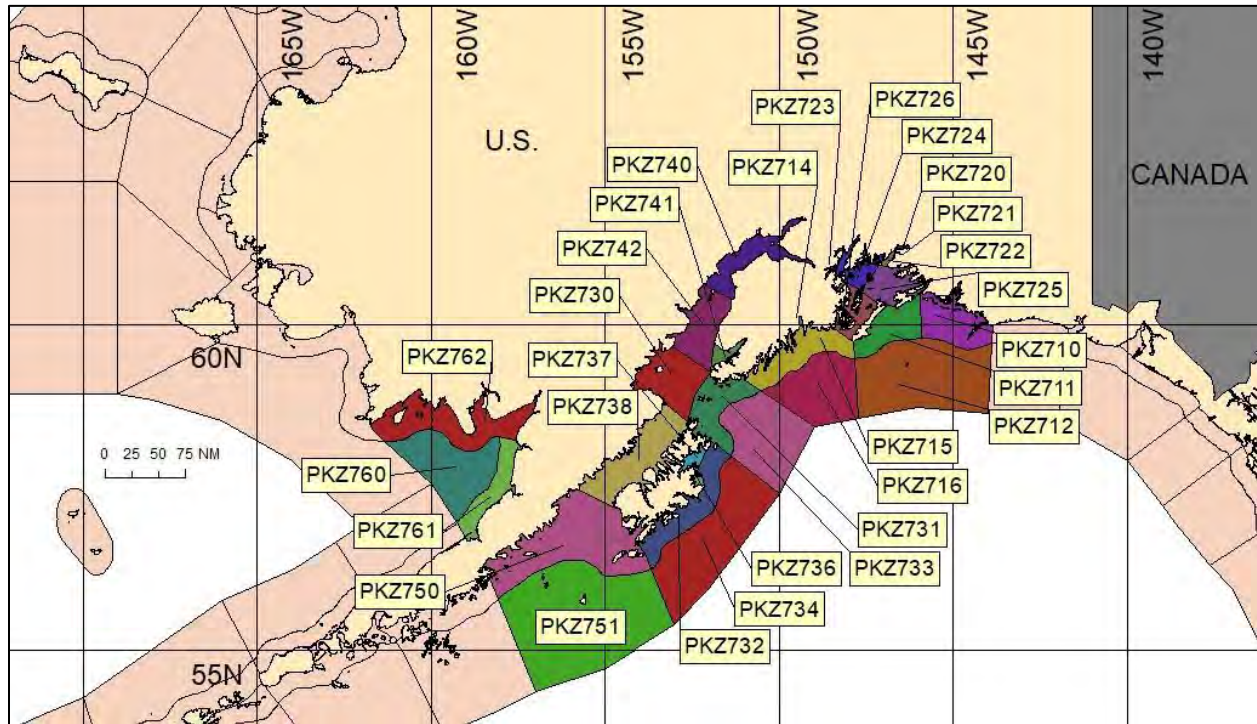
MARINE ZONES FOR WFO JUNEAU, AK**JUNEAU, AK (AJK)****AREA OF RESPONSIBILITY BOUNDARIES**

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 |
| PKZ053 | Yakutat Bay |
| PKZ641 | Dixon Entrance to Cape Decision out to 15 NM |
| PKZ642 | Cape Decision to Cape Edgecumbe out to 15 NM |
| PKZ643 | Cape Edgecumbe to Cape Spencer out to 15 NM |
| PKZ644 | Cape Spencer to Cape Fairweather out to 15 NM |
| PKZ651 | Cape Fairweather to Icy Cape out to 15 NM |

PKZ652	Icy Cape to Cape Suckling out to 15 NM
PKZ661	Dixon Entrance to Cape Decision 15 to 90 NM
PKZ662	Cape Decision to Cape Edgecumbe 15 to 80 NM
PKZ663	Cape Edgecumbe to Cape Spencer 15 to 80 NM
PKZ664	Cape Spencer to Cape Fairweather 15 to 85 NM
PKZ671	Cape Fairweather to Icy Cape 15 to 80 NM
PKZ672	Icy Cape to Cape Suckling 15 to 80 NM

MARINE ZONES FOR WFO ANCHORAGE, AK (EAST)



ANCHORAGE, AK (EAST) (AFC/AER)

AREA OF RESPONSIBILITY BOUNDARIES

Northern Gulf of Alaska Coast, up to 100 NM out, including Kodiak Island and Cook Inlet.

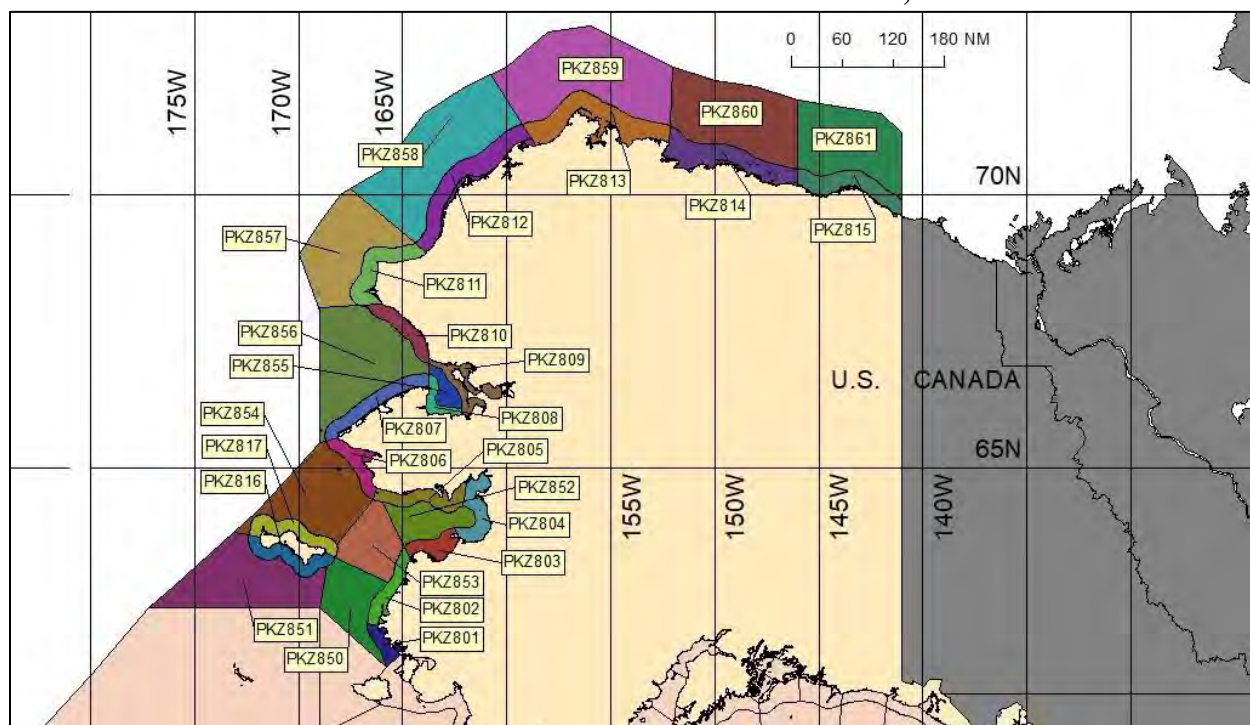
PKZ197	Synopsis for the North Gulf Coast, Kodiak Island Waters, and Cook Inlet
PKZ710	Cape Suckling to Gravel Point out to 15 NM
PKZ711	Gravel Point to Cape Cleare out to 15 NM
PKZ712	Cape Suckling to Cape Cleare from 15 to 100 NM
PKZ714	Resurrection Bay
PKZ715	Cape Cleare to Gore Point out to 15 NM
PKZ716	Cape Cleare to Gore Point from 15 to 75 NM
PKZ720	Port of Valdez
PKZ721	Valdez Narrows
PKZ722	Valdez Arm
PKZ723	Passage Canal
PKZ724	Northwest Prince William Sound
PKZ725	Central and Eastern Prince William Sound
PKZ726	Southwest Prince William Sound
PKZ730	West of Barren Islands including Kamishak Bay
PKZ731	Barren Islands East
PKZ732	Marmot Island to Sitkinak out to 15 NM
PKZ733	Gore Point to Marmot Island from 15 to 80 NM
PKZ734	Marmot Island to Sitkinak from 15 to 85 NM

PKZ736	Chiniak Bay
PKZ737	Marmot Bay
PKZ738	Shelikof Strait
PKZ740	Cook Inlet North of Kalgin Island
PKZ741	Kachemak Bay
PKZ742	Cook Inlet Kalgin Island to Point Bede
PKZ750	South of the AK Peninsula Sitkinak to Castle Cape out to 15 NM
PKZ751	South of the AK Peninsula Sitkinak to Castle Cape from 15 to 100 NM
PKZ760	Bristol Bay greater than 15 NM
PKZ761	Bristol Bay from Port Heiden to Cape Chichagof out to 15 NM
PKZ762	Bristol Bay from Cape Chichagof to Cape Pierce out to 15 NM

AREA OF RESPONSIBILITY BOUNDARIES

PKZ199	Synopsis for Southwest Alaska, Bristol Bay, the Alaska Peninsula Waters, and the Aleutian Islands
PKZ752	South of the AK Peninsula Castle Cape to Cape Tolstoi out to 15 NM
PKZ753	South of the AK Peninsula Castle Cape to Cape Tolstoi from 15 to 100 NM
PKZ754	South of the AK Peninsula Cape Tolstoi to Cape Sarichef out to 15 NM
PKZ755	South of the AK Peninsula Cape Tolstoi to Cape Sarichef from 15 to 100 NM
PKZ756	Port Heiden to Nelson Lagoon out to 15 NM
PKZ757	Port Heiden to Nelson Lagoon from 15 to 60 NM
PKZ758	Nelson Lagoon to Cape Sarichef out to 15 NM
PKZ759	Nelson Lagoon to Cape Sarichef from 15 to 70 NM
PKZ763	Kuskokwim Delta and Etolin Strait out to 15 NM
PKZ764	Kuskokwim Delta from 15 to 80 NM
PKZ765	North and West of Nunivak Island
PKZ766	Pribilof Islands Nearshore Waters
PKZ767	Saint Matthew Island Waters
PKZ770	Cape Sarichef to Nikoski Bering Side out to 15 NM
PKZ771	Unalaska Bay
PKZ772	Cape Sarichef to Nikoski Bering Side 15 to 85 NM

PKZ773	Cape Sarichef to Nikoski Pacific Side out to 15 NM
PKZ774	Cape Sarichef to Nikoski Pacific Side from 15 to 85 NM
PKZ775	Nikolski to Seguam Island Bering Side out to 15 NM
PKZ776	Nikolski to Seguam Island Bering Side from 15 to 85 NM
PKZ777	Nikolski to Seguam Island Pacific Side out to 15 NM
PKZ778	Nikolski to Seguam Island Pacific Side from 15 to 75 NM
PKZ780	Seguam Island to Adak Bering Side out to 15 NM
PKZ781	Seguam Island to Adak Bering Side from 15 to 85 NM
PKZ782	Seguam Island to Adak Pacific Side out to 15 NM
PKZ783	Seguam Island to Adak Pacific Side from 15 to 75 NM
PKZ784	Adak to Kiska Bering Side
PKZ785	Adak to Kiska Pacific Side
PKZ786	Kiska to Attu Bering Side
PKZ787	Kiska to Attu Pacific Side

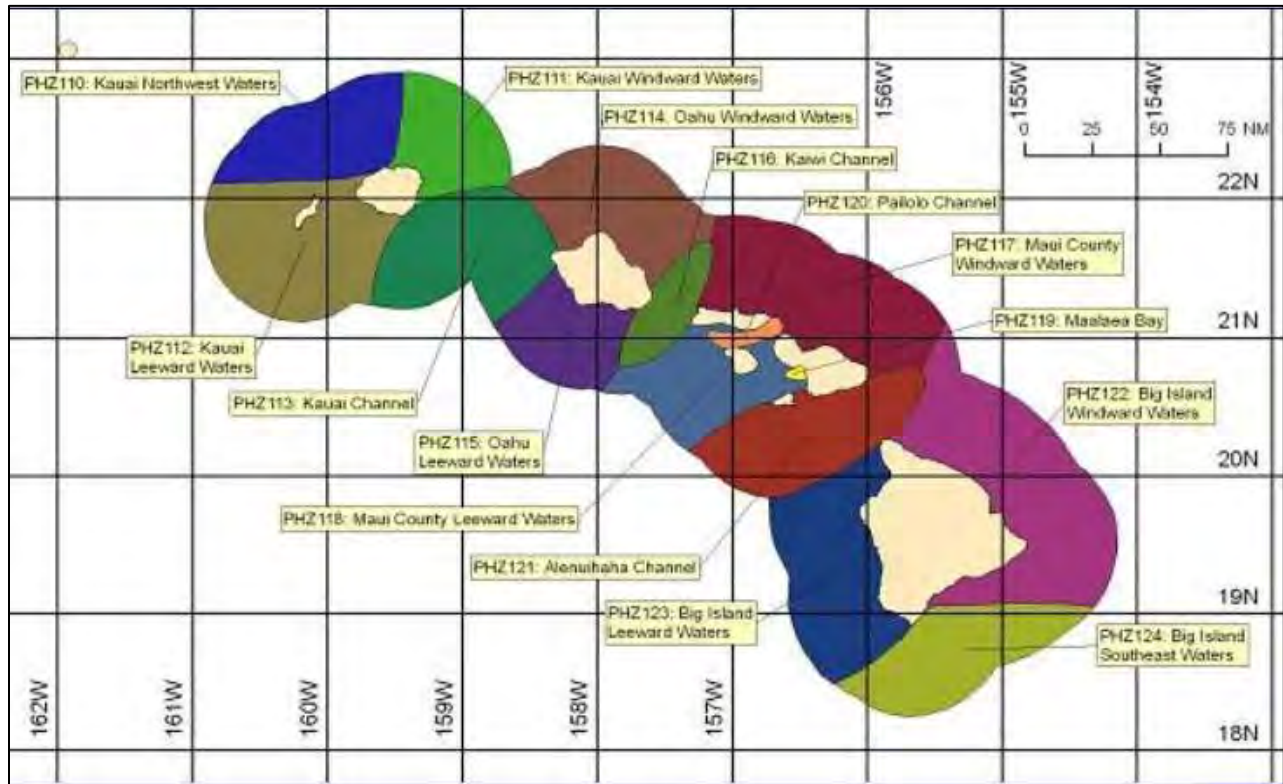
MARINE ZONES FOR WFO FAIRBANKS, AK**FAIRBANKS, AK (AFG)**AREA OF RESPONSIBILITY BOUNDARIES

Arctic Alaska Coastal Waters Forecast.

PKZ298	Synopsis for Arctic Coast
PKZ801	Etolin Strait to Dall Point out to 15 NM
PKZ802	Dall Point to Kwikpak Pass out to 15 NM
PKZ803	Kwikpak Pass to Cape Stephens out to 15 NM
PKZ804	Cape Stephens to Moses Point out to 15 NM
PKZ805	Moses Point to Sledge Island out to 15 NM
PKZ806	Sledge Island to Wales out to 15 NM
PKZ807	Wales to Cape Espenberg out to 15 NM
PKZ808	Cape Espenberg to Motherwood Point out to 10 NM
PKZ809	Motherwood Point to Cape Krusenstern out to 10 NM
PKZ810	Cape Krusenstern to Cape Thompson out to 15 NM
PKZ811	Cape Thompson to Cape Beaufort out to 15 NM
PKZ812	Cape Beaufort to Point Franklin out to 15 NM
PKZ813	Point Franklin to Cape Halkett out to 15 NM
PKZ814	Cape Halkett to Flaxman Island out to 15 NM
PKZ815	Flaxman Island to Demarcation Point out to 15 NM
PKZ816	South Side of Saint Lawrence Island out to 15 NM
PKZ817	North Side of Saint Lawrence Island out to 15 NM
PKZ850	Etolin Strait to Kwemeluk Pass from 15 to 90 NM

PKZ851	Southwest of Saint Lawrence Island from 15 to 100 NM
PKZ852	Norton Sound greater than 15 NM
PKZ853	Kwemeluk Pass to Kwikpak Pass from 15 to 90 NM
PKZ854	Sledge Island to Wales greater than 15 NM
PKZ855	Kotzebue Sound greater than 10 NM
PKZ856	Wales to Cape Thompson greater than 15 NM
PKZ857	Cape Thompson to Cape Beaufort from 15 to 85 NM
PKZ858	Cape Beaufort to Point Franklin from 15 to 85 NM
PKZ859	Point Franklin to Cape Halkett from 15 to 75 NM
PKZ860	Cape Halkett to Flaxman Island from 15 to 80 NM
PKZ861	Flaxman Island to Demarcation Point from 15 to 75 NM

MARINE ZONES FOR WFO HONOLULU, HI



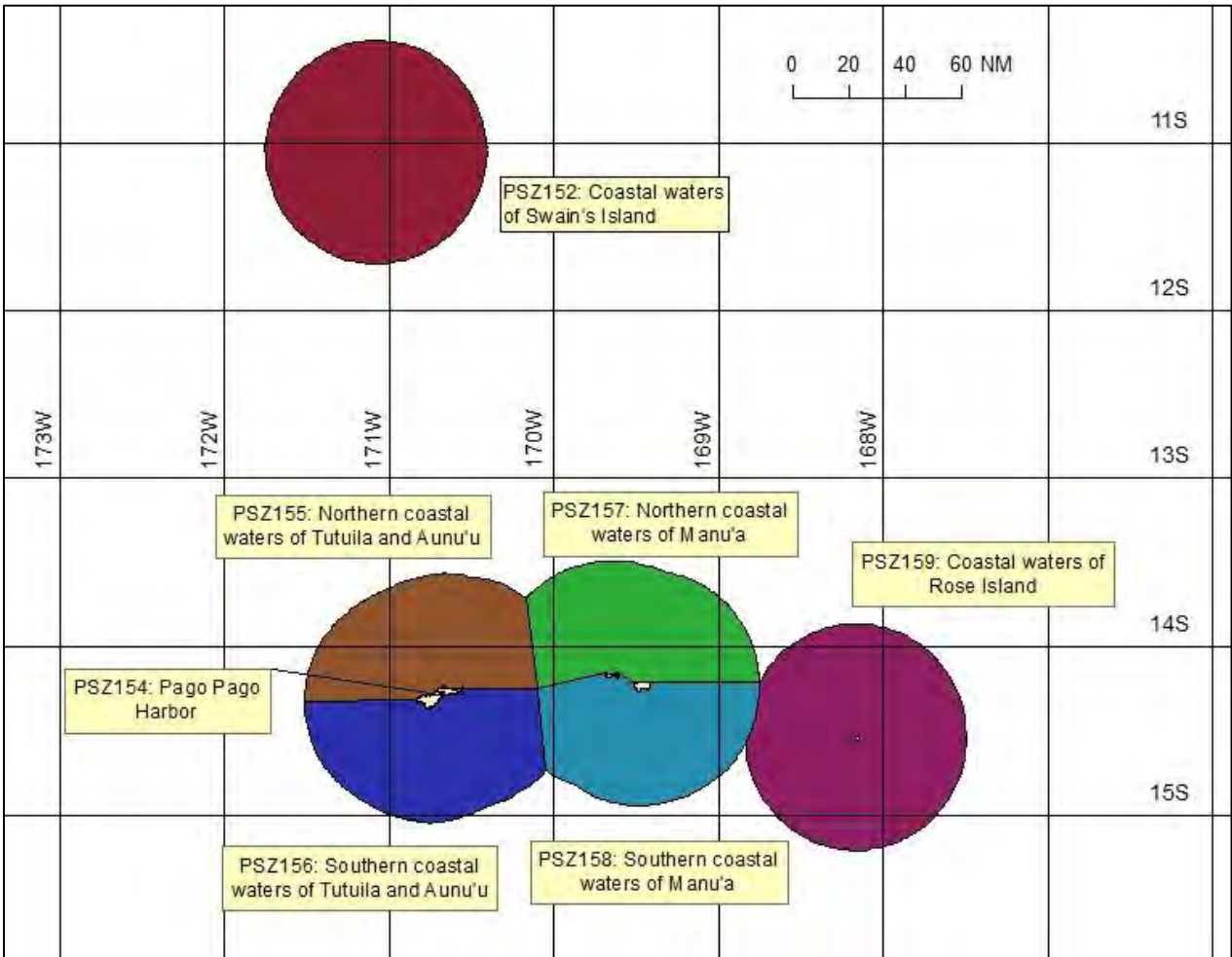
HONOLULU, HI (HFO)

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

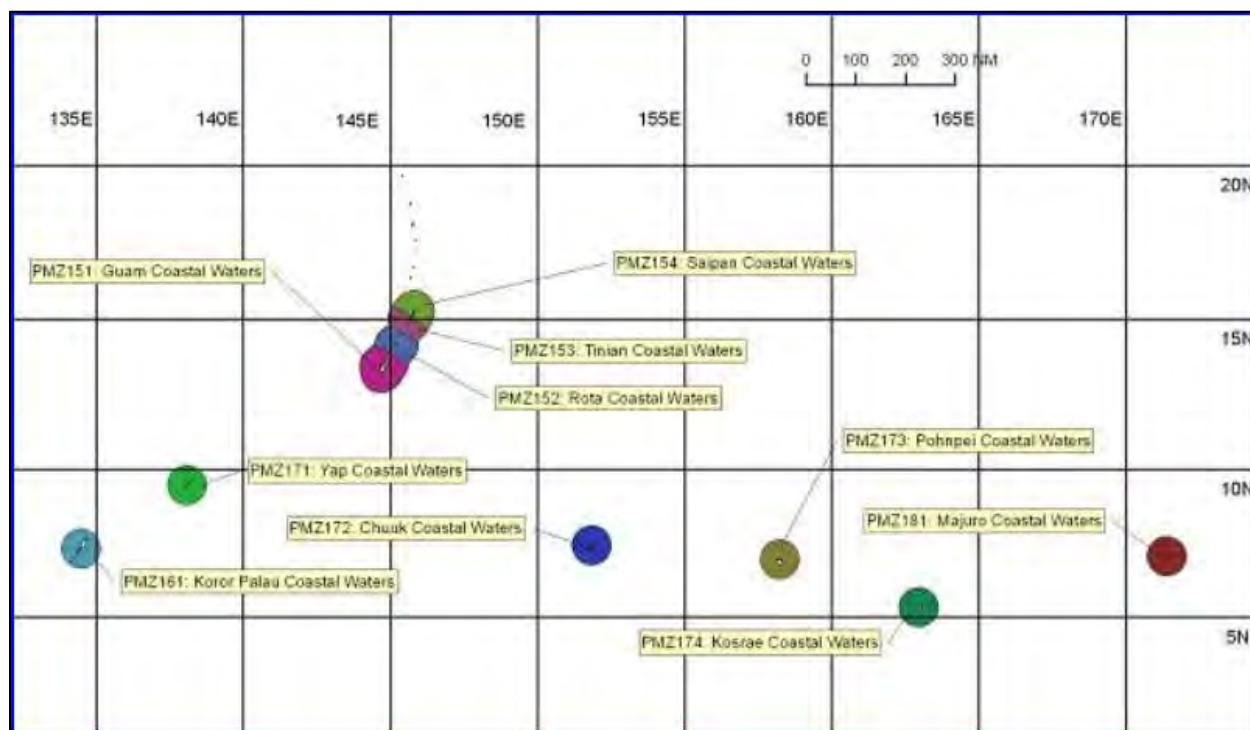


PAGO PAGO, AMERICAN SAMOA (STU)

AREA OF RESPONSIBILITY BOUNDARIES

American Samoa Coastal Waters. Includes the Fagatele Bay National Marine Sanctuary.

PSZ100	Synopsis for American Samoa coastal waters
PSZ152	Coastal Waters of Swain's Island
PSZ154	Pago Pago Harbor
PSZ155	Northern coastal waters of Tutuila and Aunu'u
PSZ156	Southern coastal waters of Tutuila and Aunu'u Island of Manu'a,
PSZ157	Northern coastal waters of Manu'a
PSZ158	Southern coastal waters of Manu'a
PSZ159	Coastal waters of Rose Island

MARINE ZONES FOR WFO GUAM**GUAM (GUM)****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.

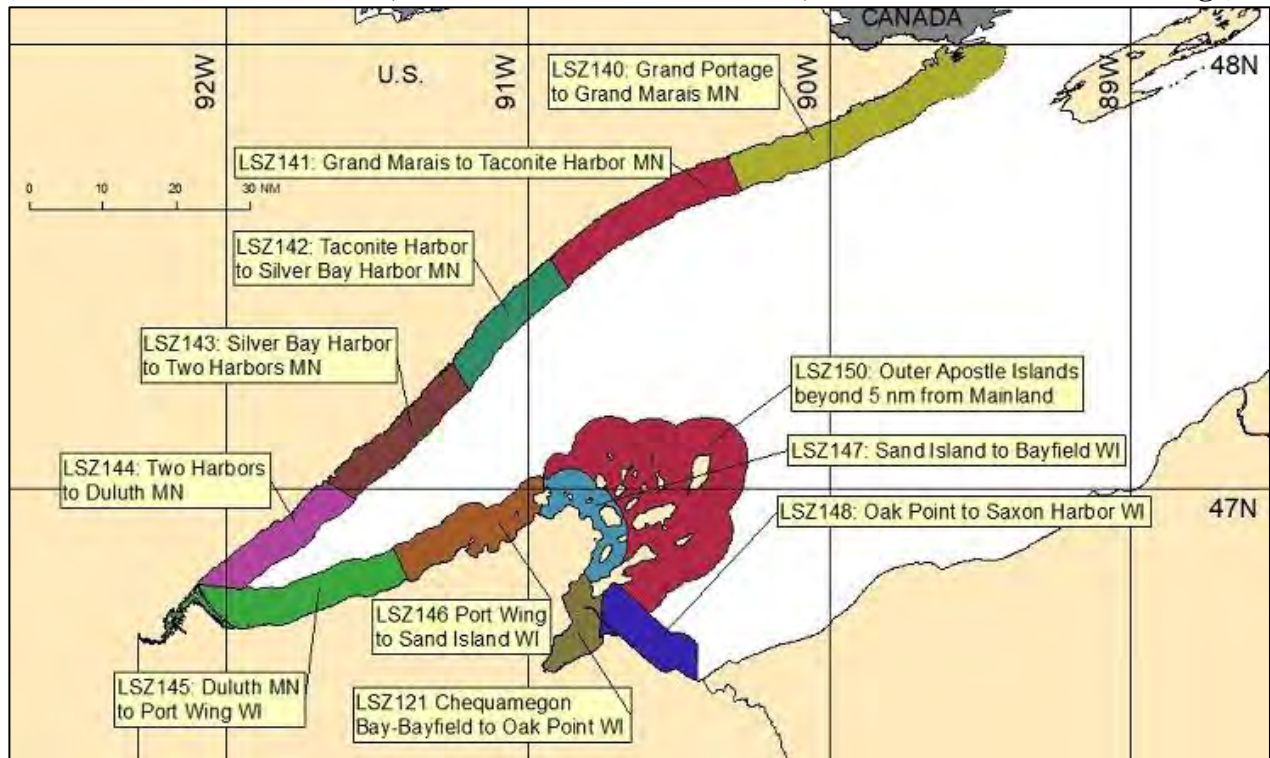
PMZ150	Synopsis for Marianas waters
PMZ151	Guam coastal waters
PMZ152	Rota coastal waters
PMZ153	Tinian coastal waters
PMZ154	Saipan coastal waters
PMZ161	Koror Palau coastal waters
PMZ171	Yap coastal waters
PMZ172	Chuuk coastal waters
PMZ173	Pohnpei coastal waters
PMZ174	Kosrae coastal waters
PMZ181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

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

Note: Land forecast information is no longer included in the marine zone forecasts.

2 Great Lakes Forecast Areas of Responsibility

MARINE ZONES FOR WFO DULUTH, MN (Nearshore Marine Forecast, Hazardous Weather Outlook, and Marine Weather Message)



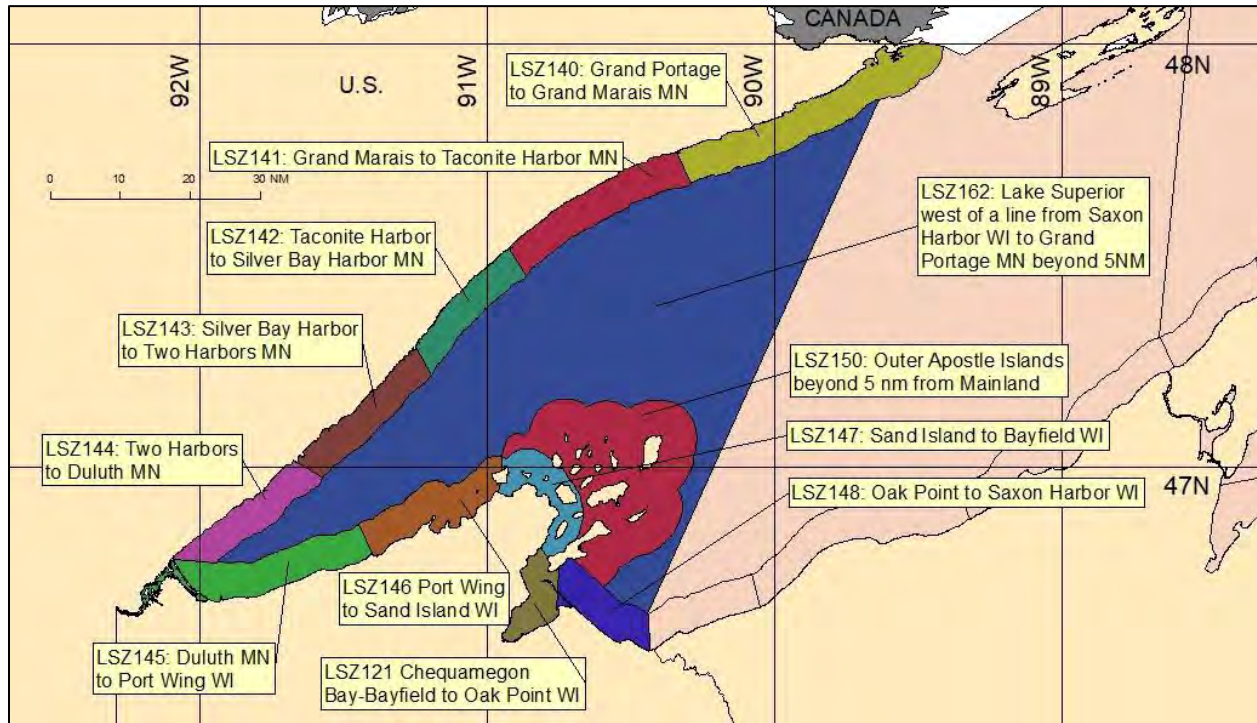
DULUTH, MN (DLH)

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,
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
LSZ150	Outer Apostle Islands beyond 5 nm from Mainland

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



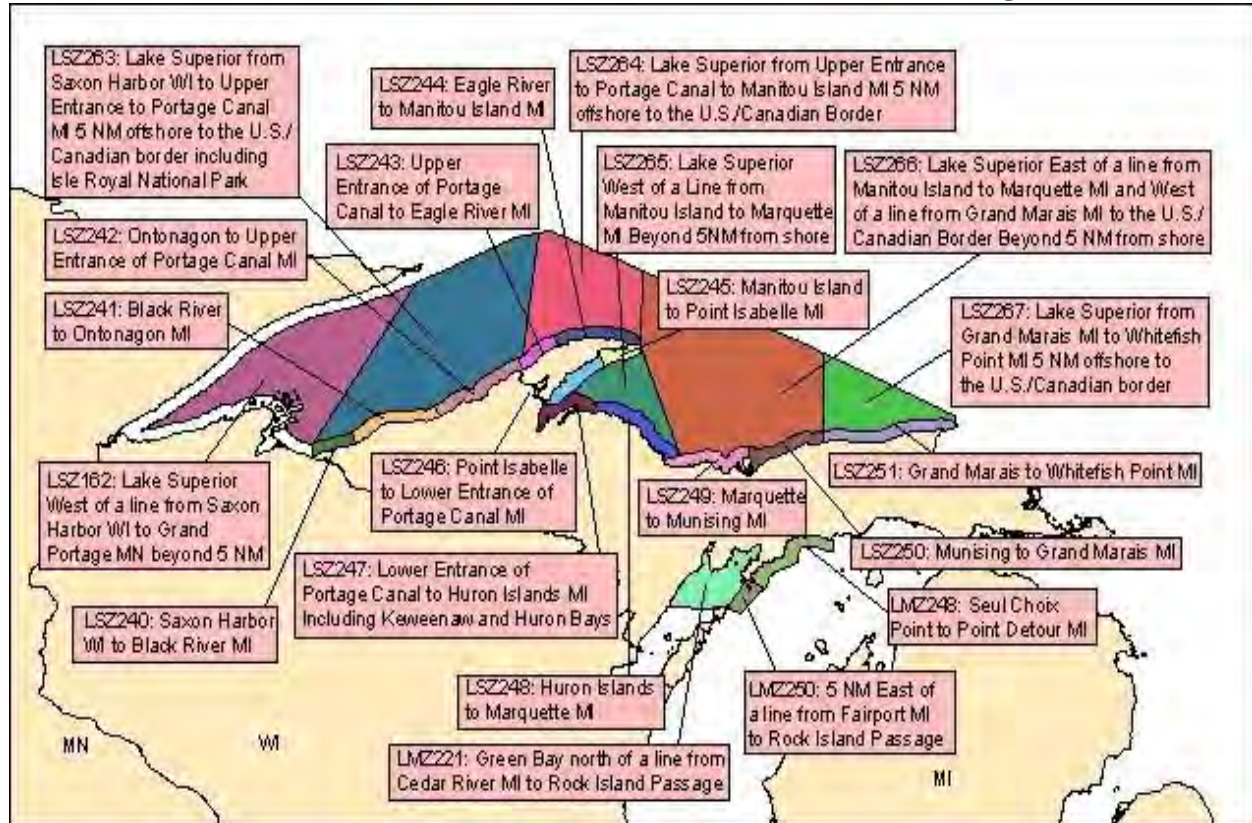
DULUTH, MN (DLH)

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
LSZ150	Outer Apostle Islands beyond 5 nm from Mainland (displayed on previous page)
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)

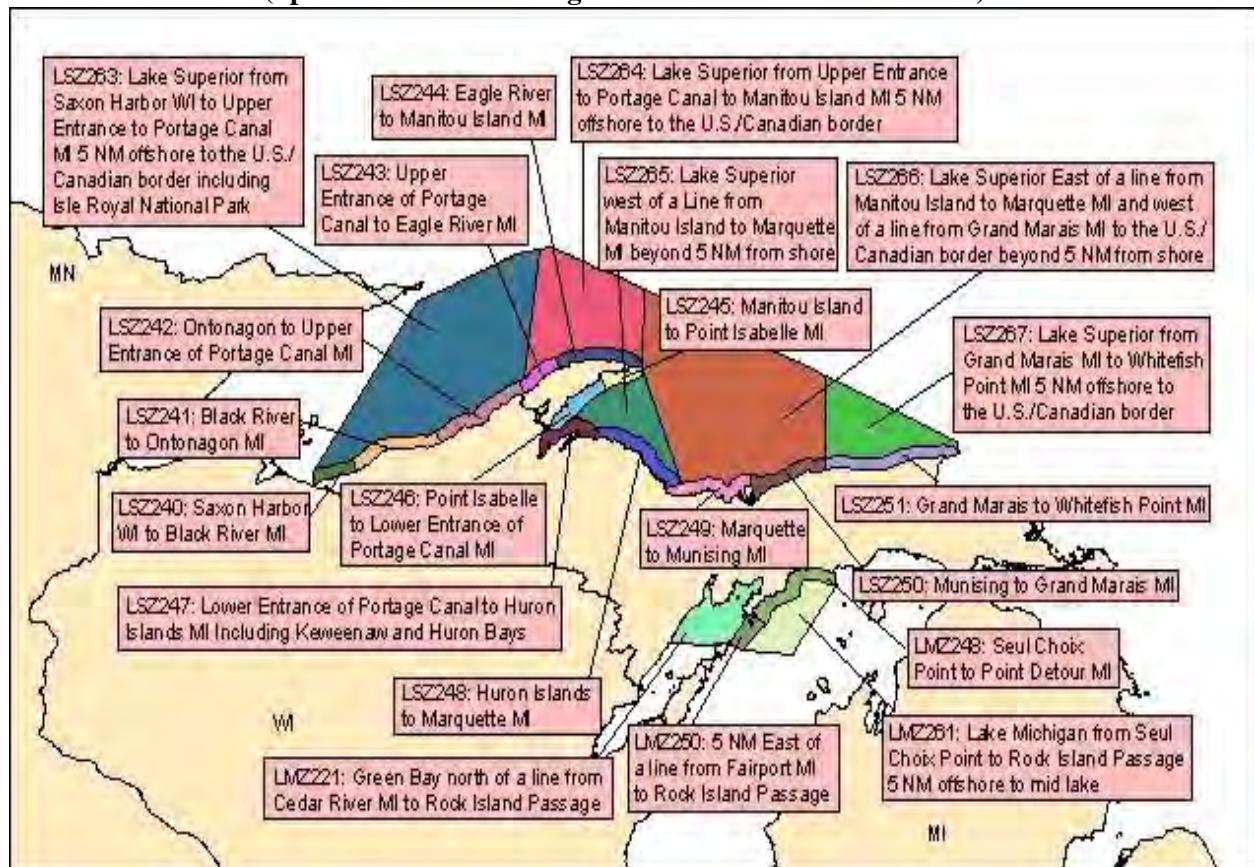
AREA OF RESPONSIBILITY BOUNDARIES for Lake Superior

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
- 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)

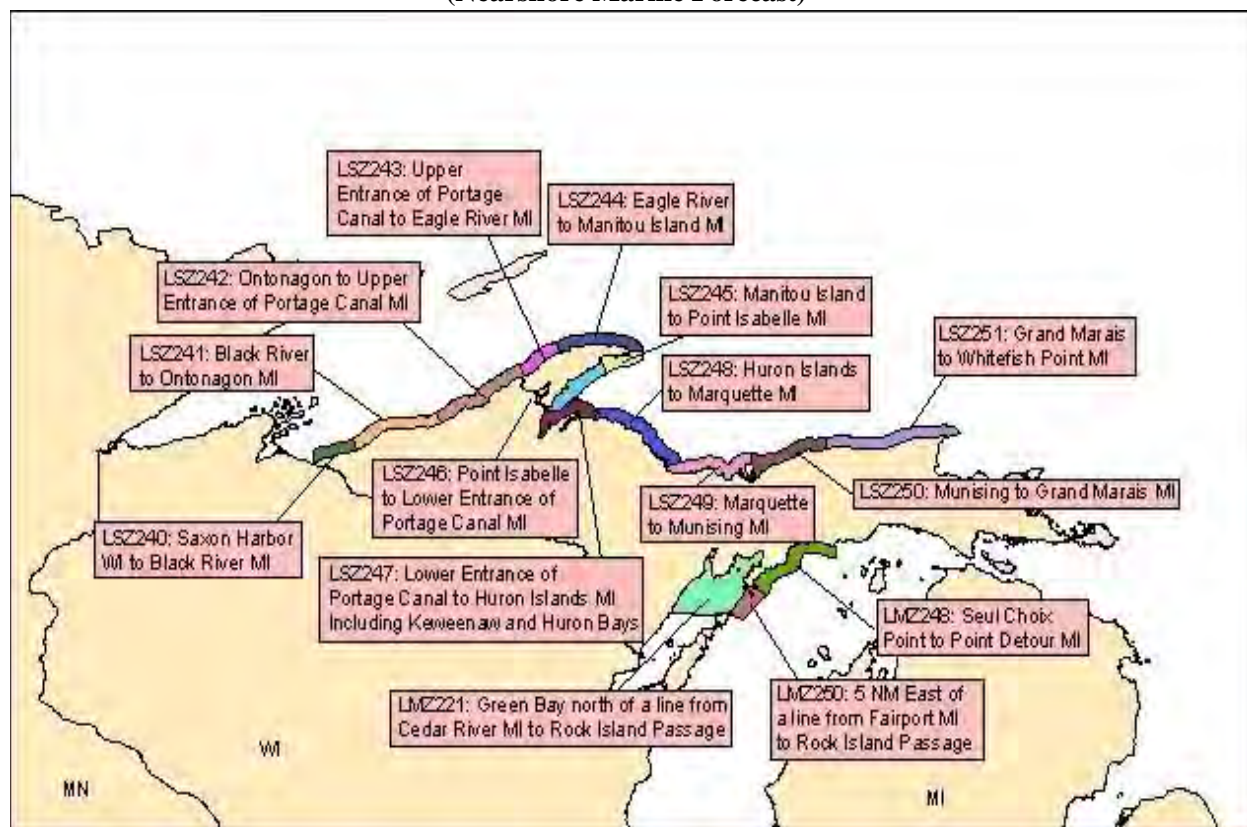
AREA OF RESPONSIBILITY BOUNDARIES for Lake Superior

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 off-shore 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

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



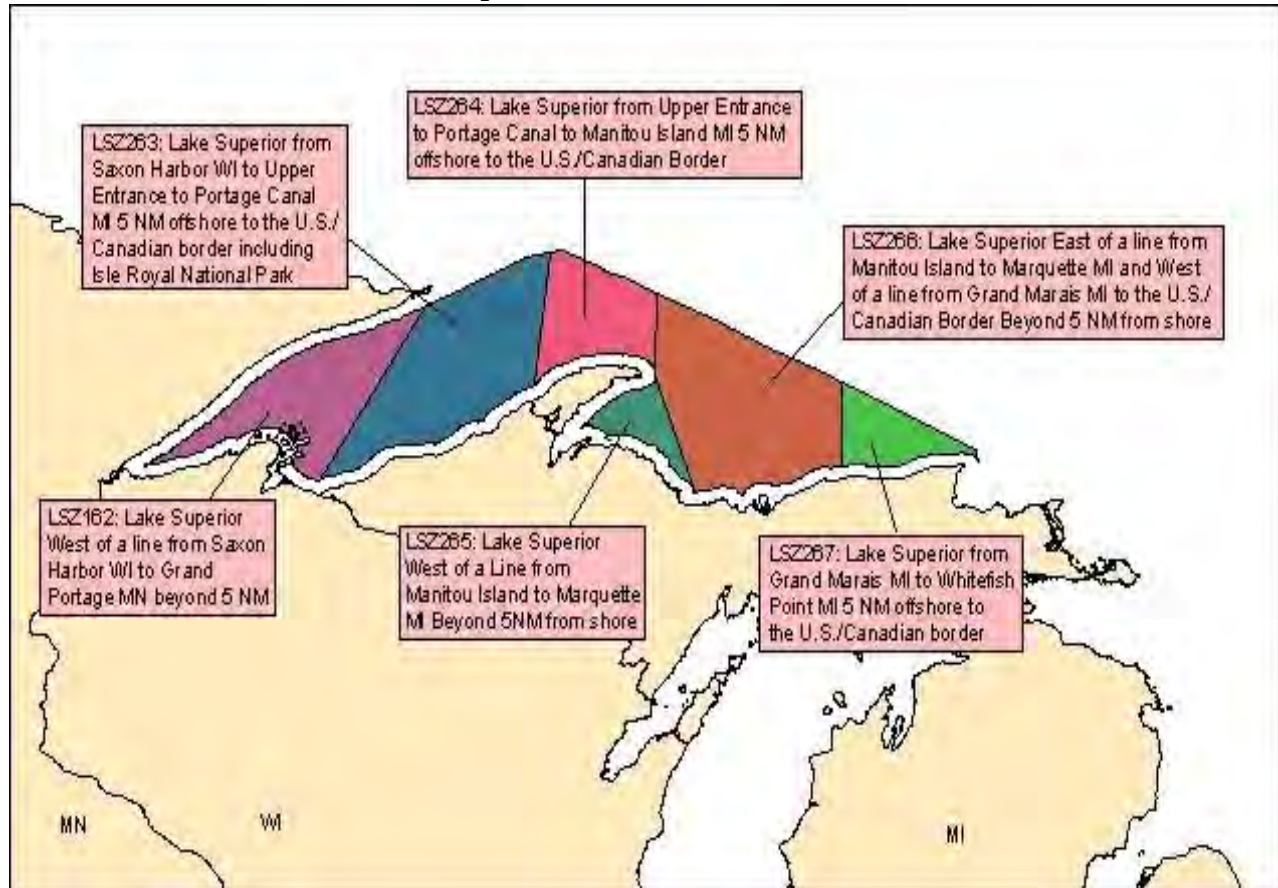
MARQUETTE, MI (MQT)

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 ZONES FOR WFO MARQUETTE, MI
(Open Lake Marine Forecast)

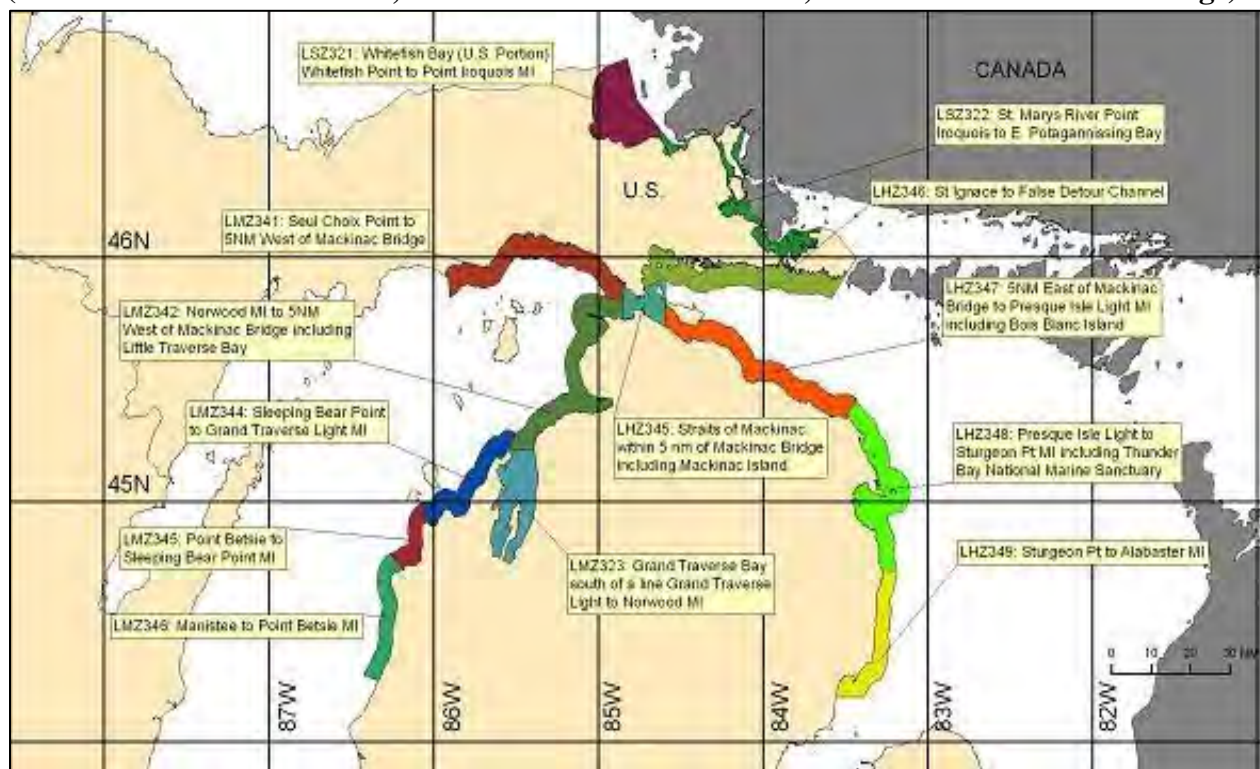


MARQUETTE, MI (MQT)

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

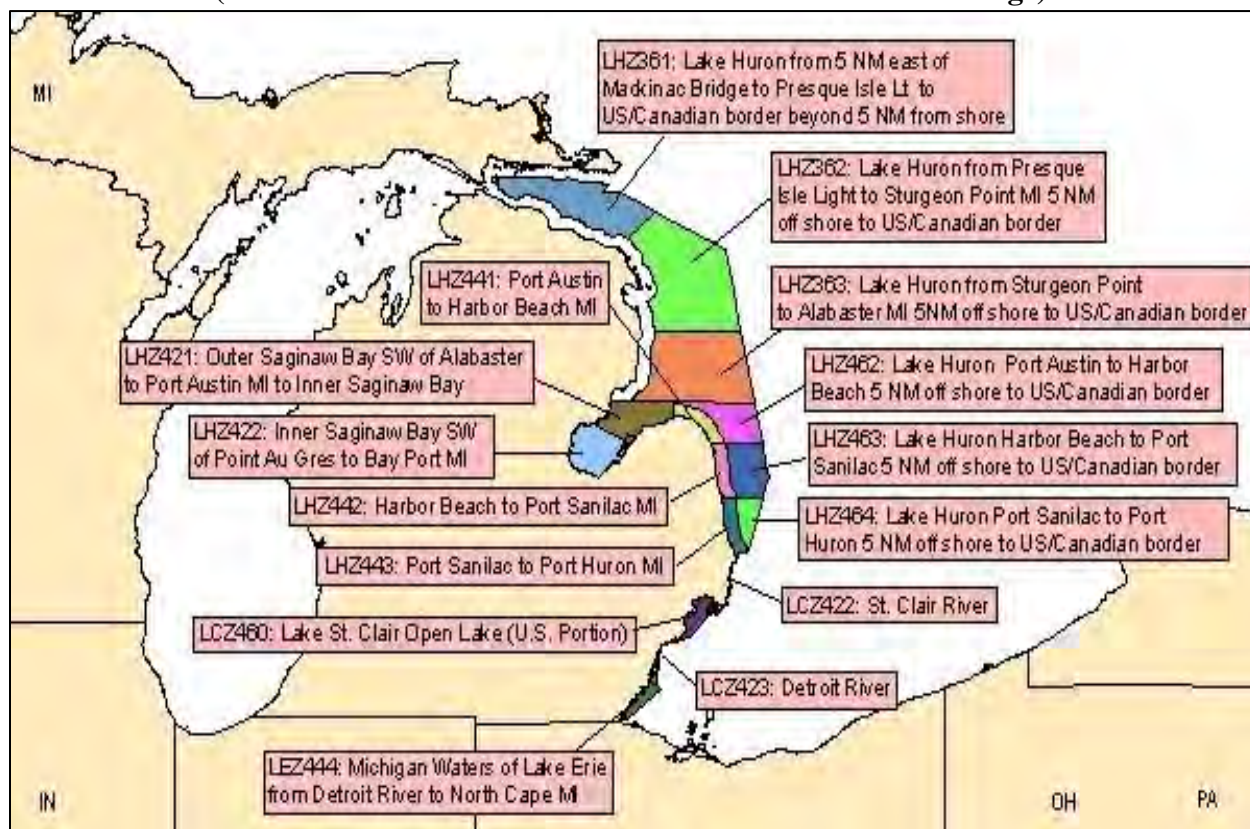
Lake Superior - U.S. Portion Whitefish Bay, St. Mary's River, and Potagannissing Bay. Lake Michigan - Mackinac Bridge to Schoolcraft/Mackinac county line, and Mackinac Bridge to Manistee/Mason, MI county line. Includes the Thunder Bay National Marine Sanctuary.

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

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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
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)

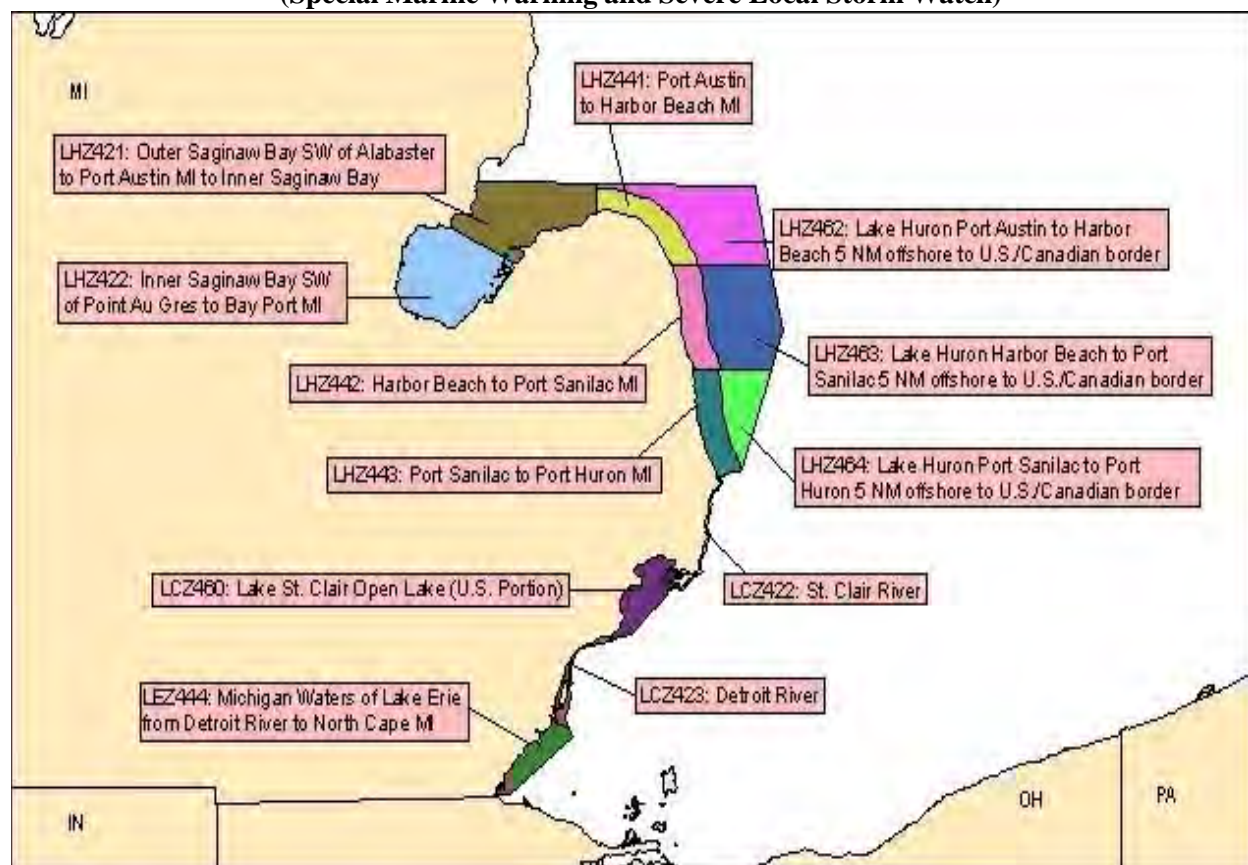
AREA OF RESPONSIBILITY BOUNDARIES for Lake Huron to St. Clair River

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)

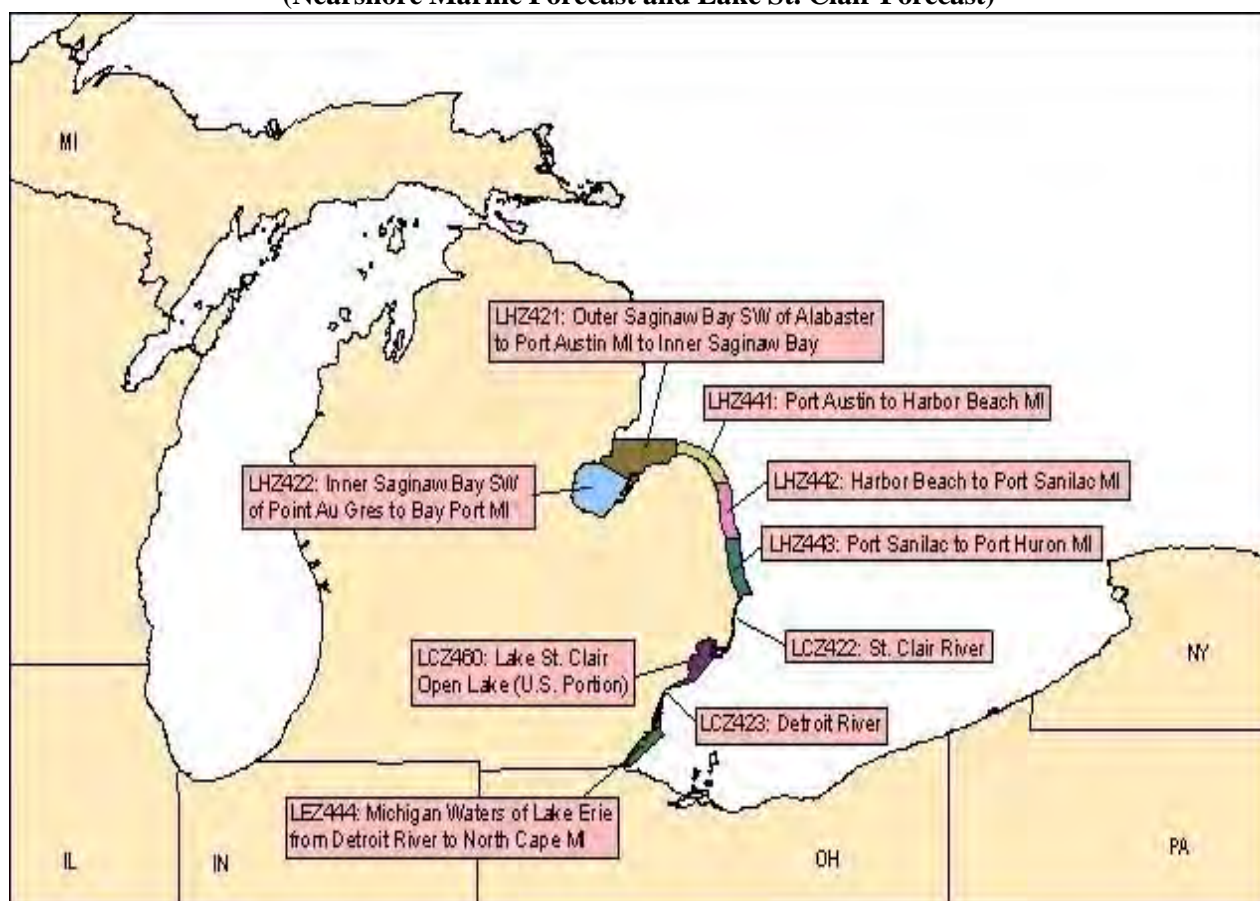
AREA OF RESPONSIBILITY BOUNDARIES for Lake Huron to St. Clair River

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)

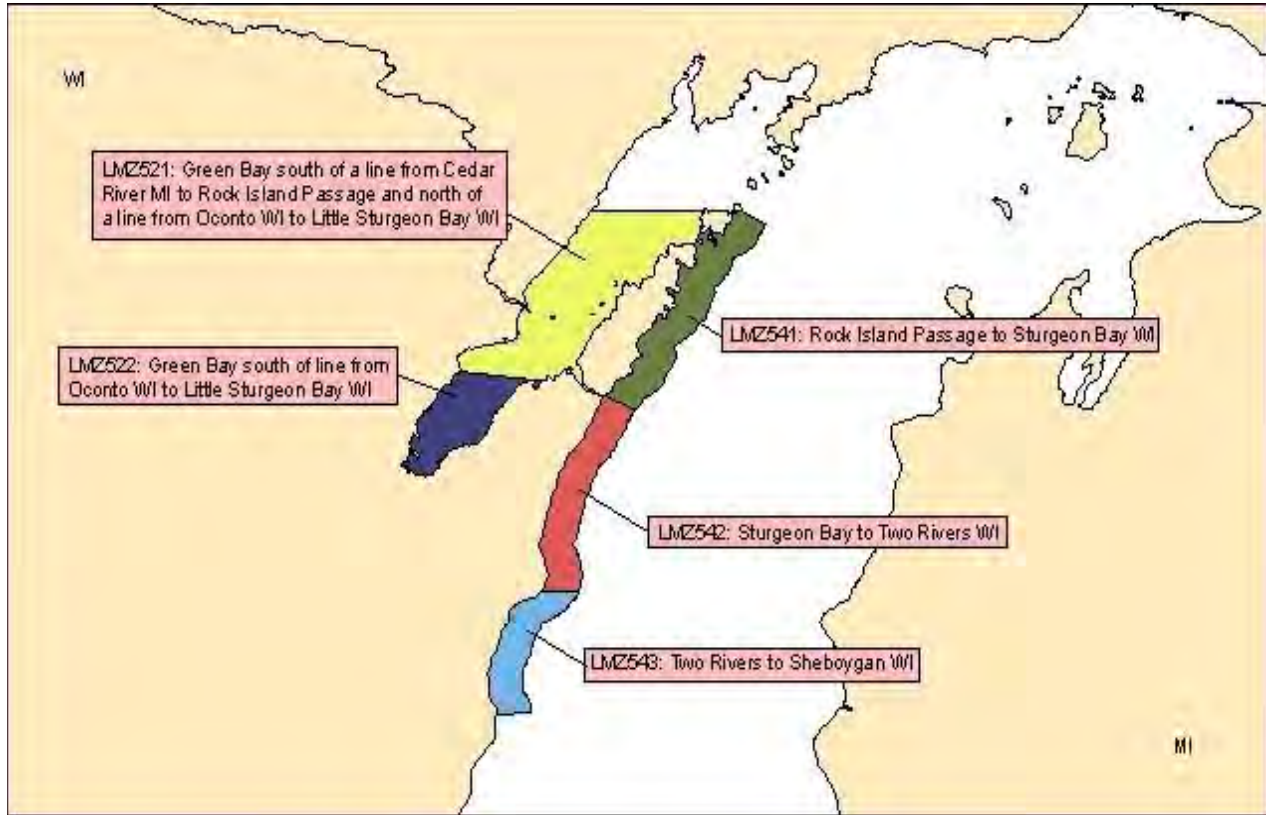
AREA OF RESPONSIBILITY BOUNDARIES for Lake Huron to St. Clair River

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)



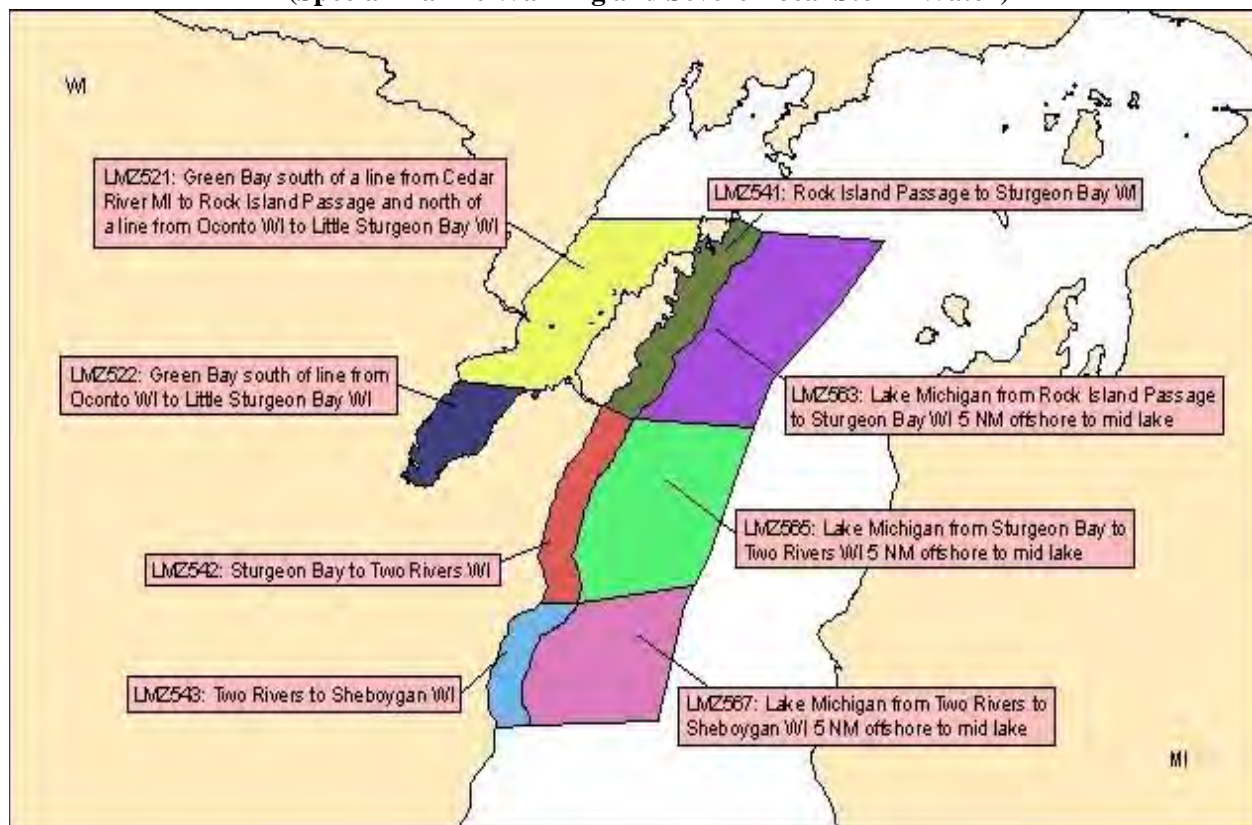
GREEN BAY, WI (GRB)

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)



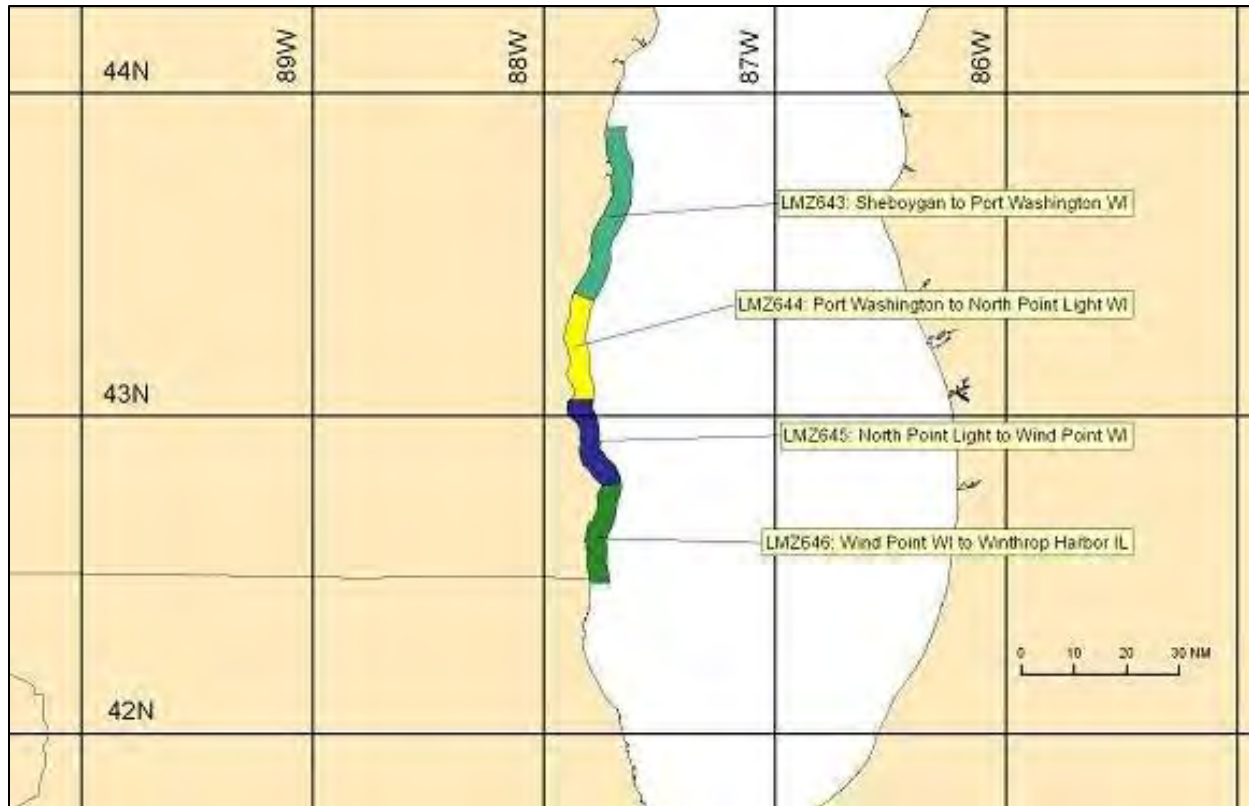
GREEN BAY, WI (GRB)

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)



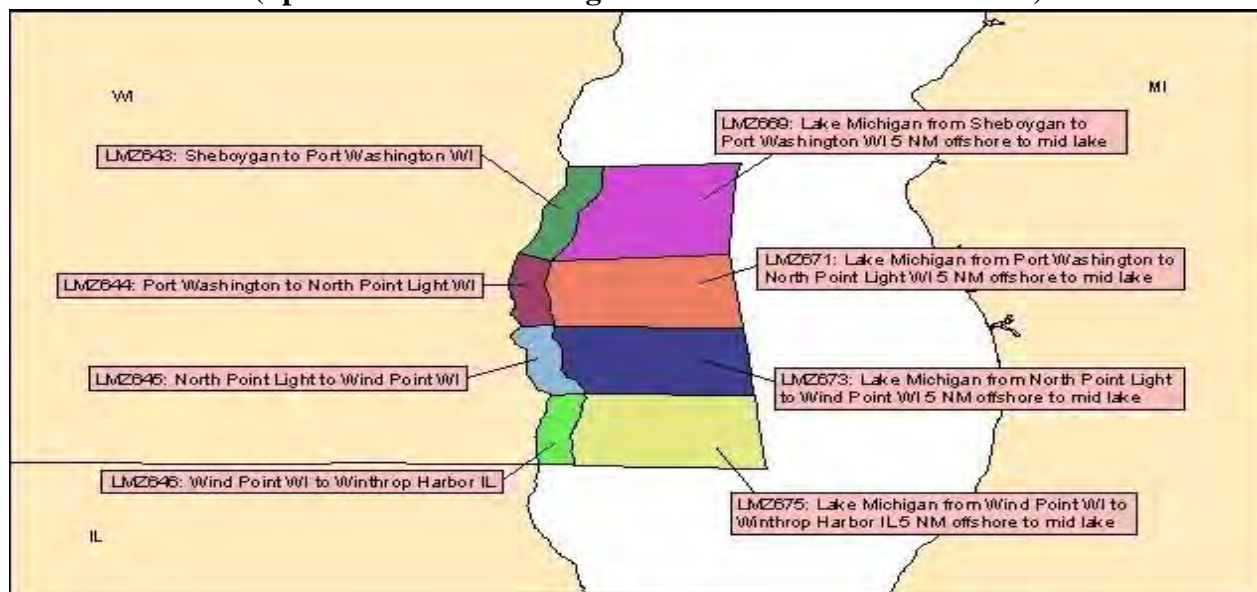
MILWAUKEE - SULLIVAN, WI (MKX)

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)**



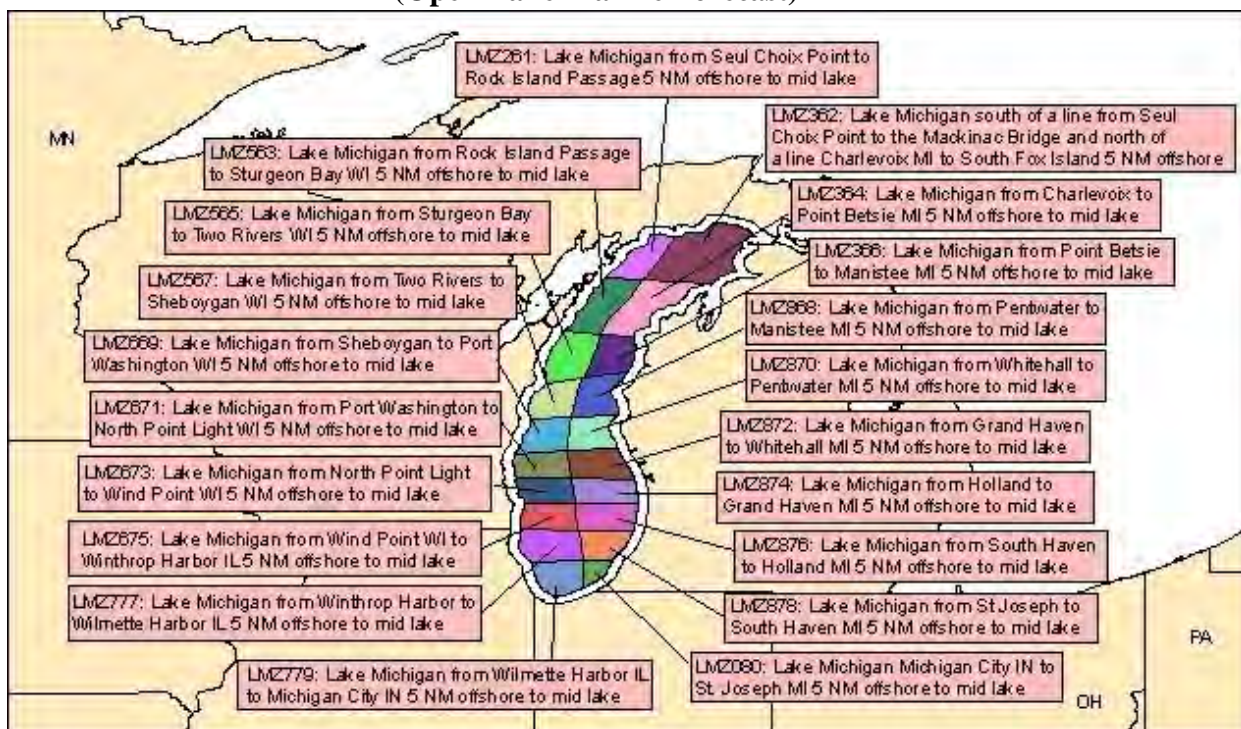
MILWAUKEE - SULLIVAN, WI (MKX)

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

(Open Lake Marine Forecast)

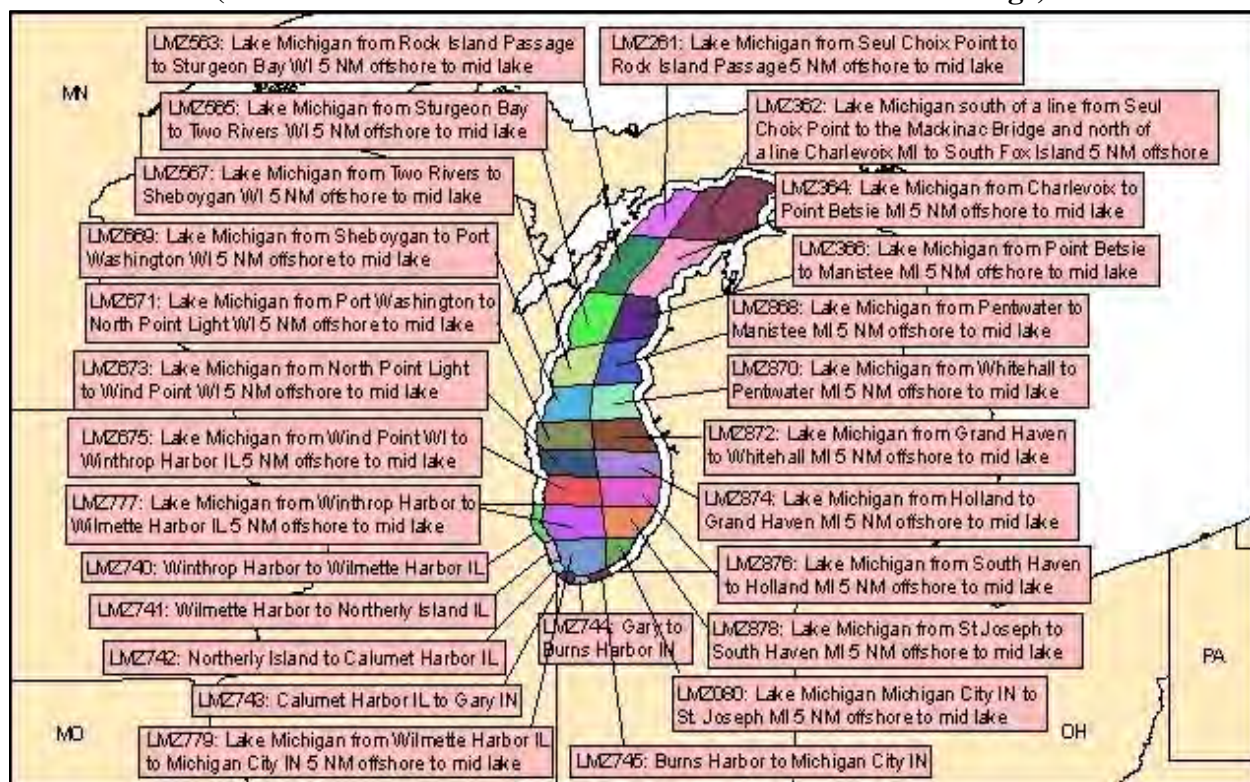
**MILWAUKEE-SULLIVAN, WI (MKX)**AREA OF RESPONSIBILITY BOUNDARIES

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 MILWAUKEE, WI
(Hazardous Weather Outlook and Marine Weather Message)**



MILWAUKEE, WI (MKX)

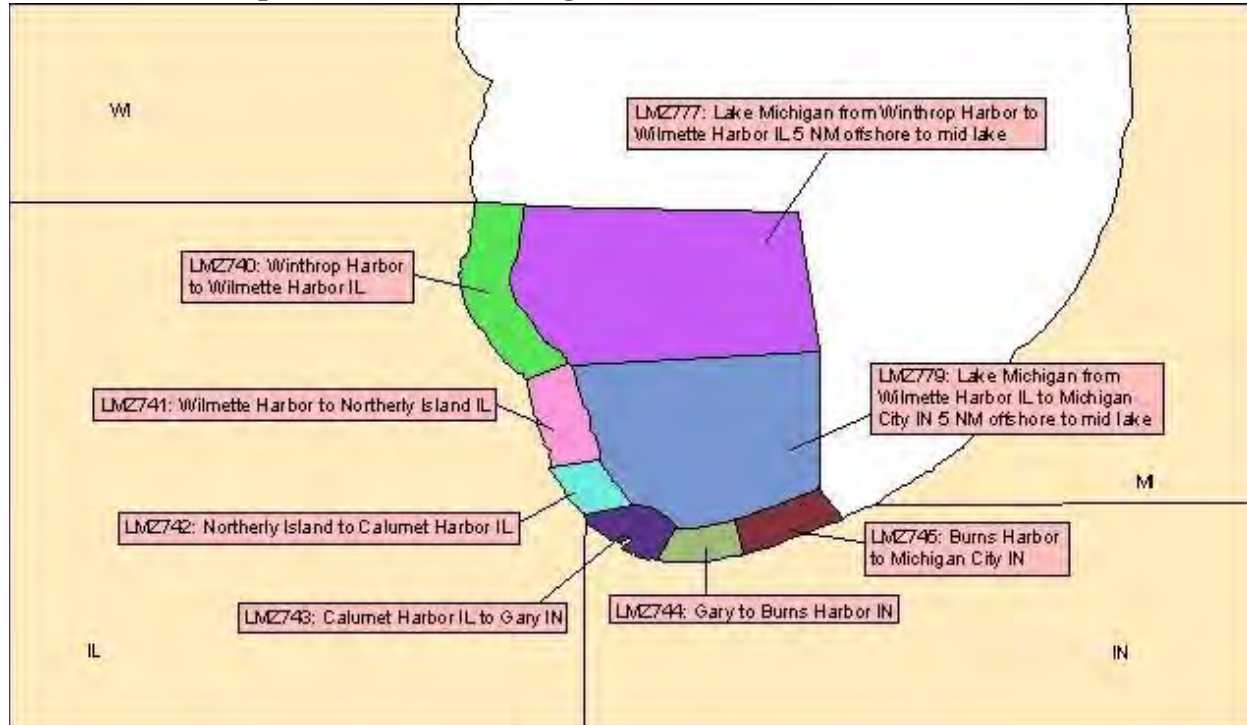
AREA OF RESPONSIBILITY BOUNDARIES

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
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)



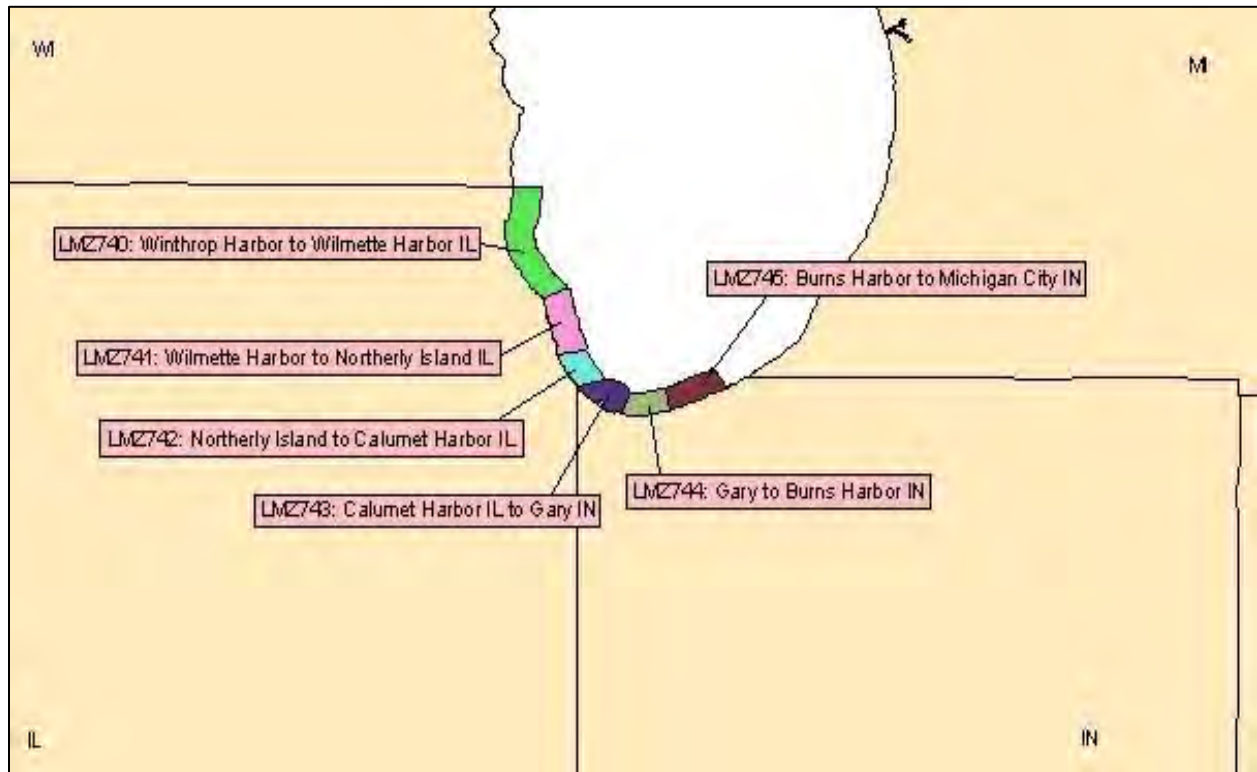
CHICAGO, IL (LOT)

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)**



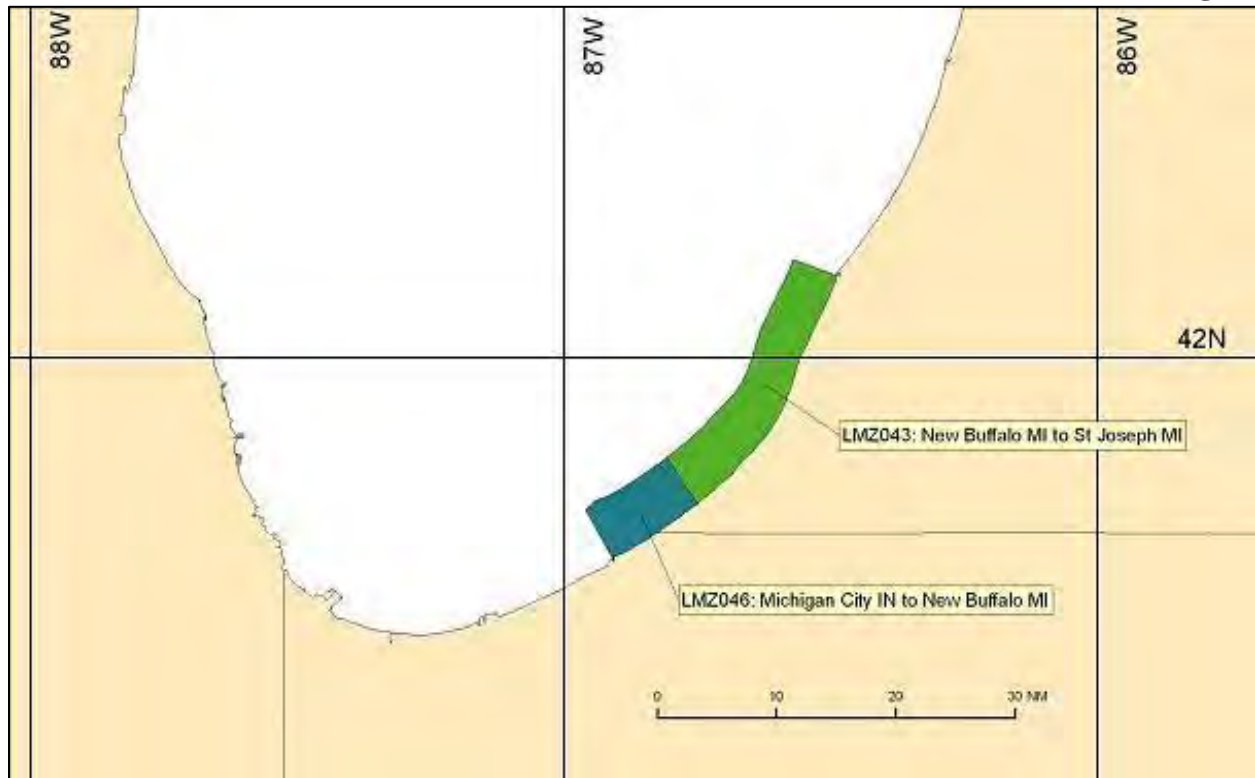
CHICAGO, IL (LOT)

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

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



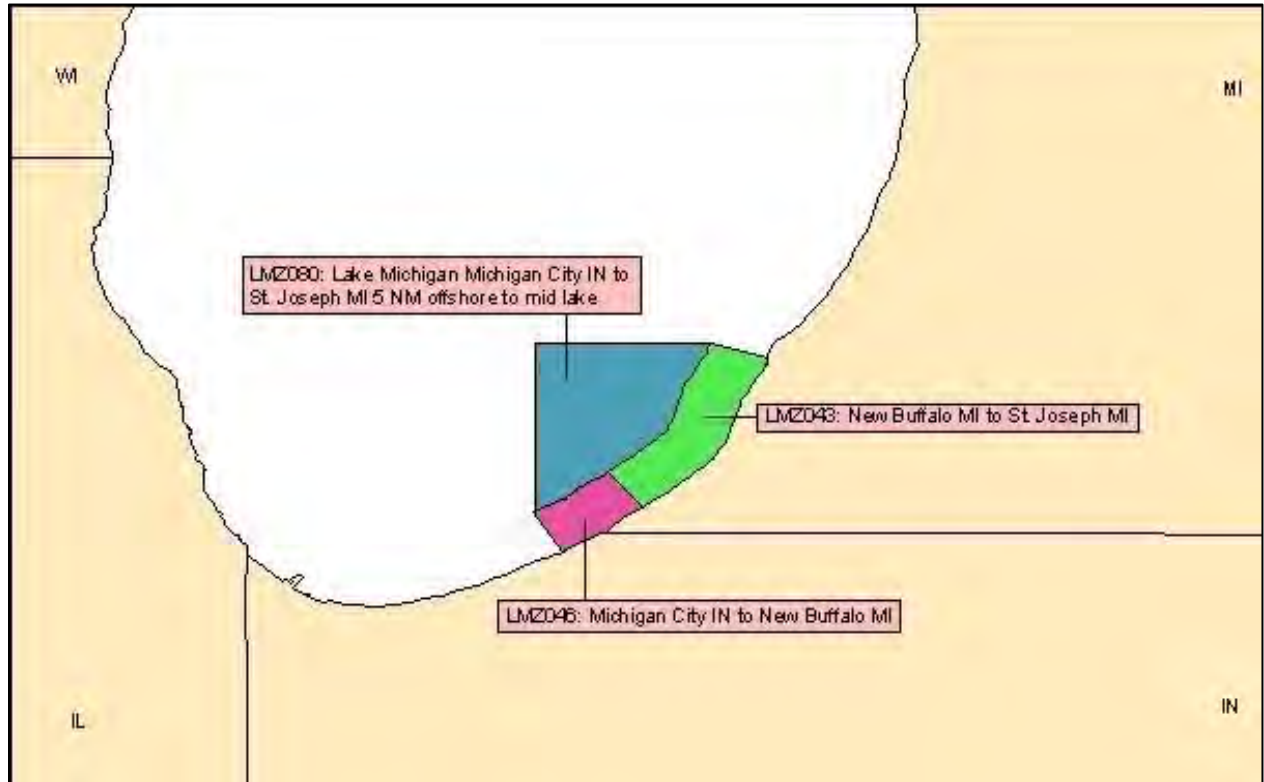
NORTHERN INDIANA, IN (IWX)

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)**



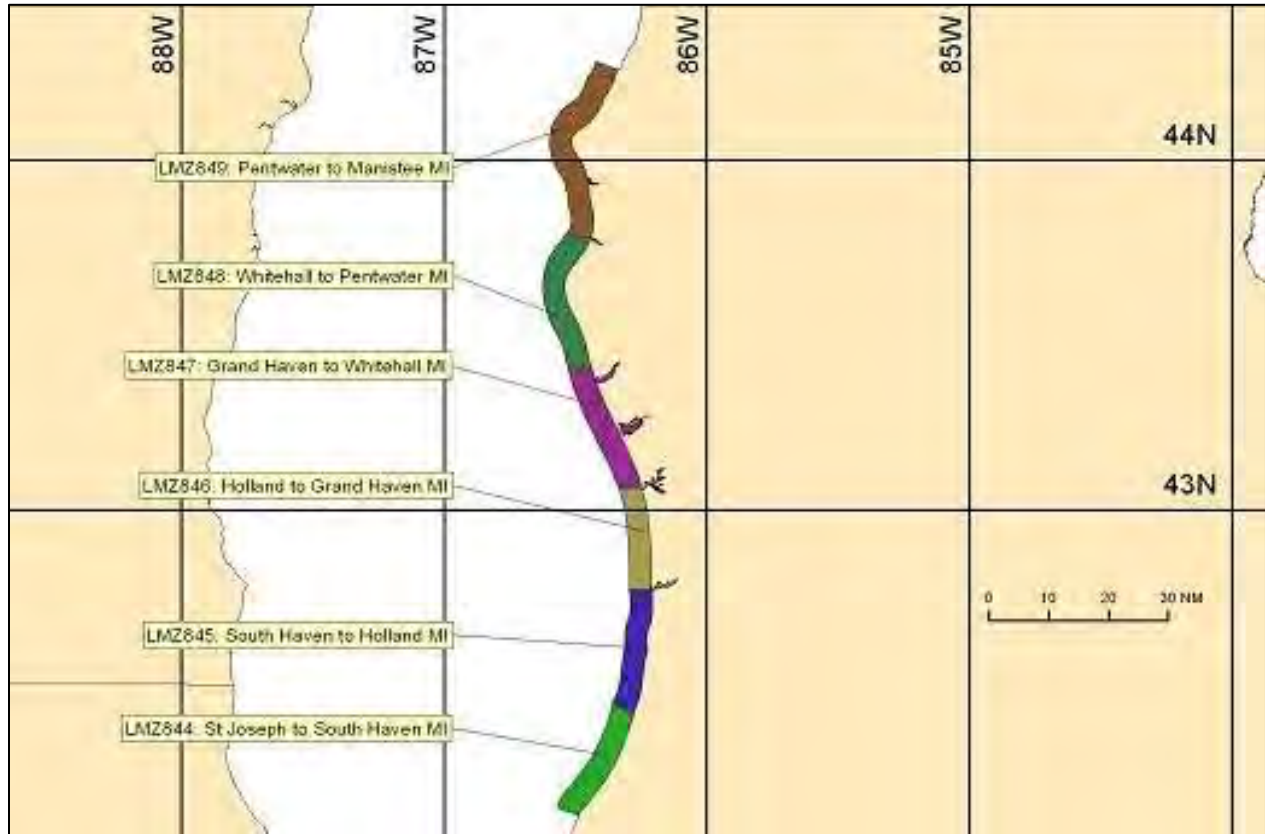
NORTHERN INDIANA, IN (IWX)

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)



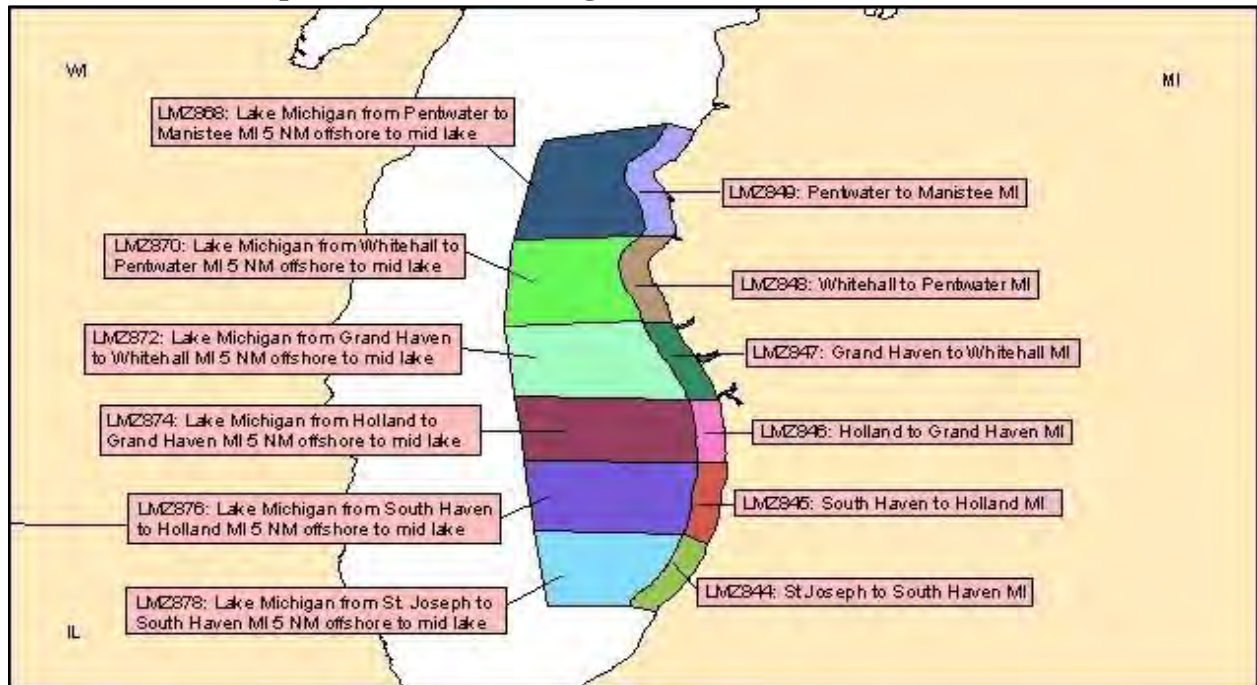
GRAND RAPIDS, MI (GRR)

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)

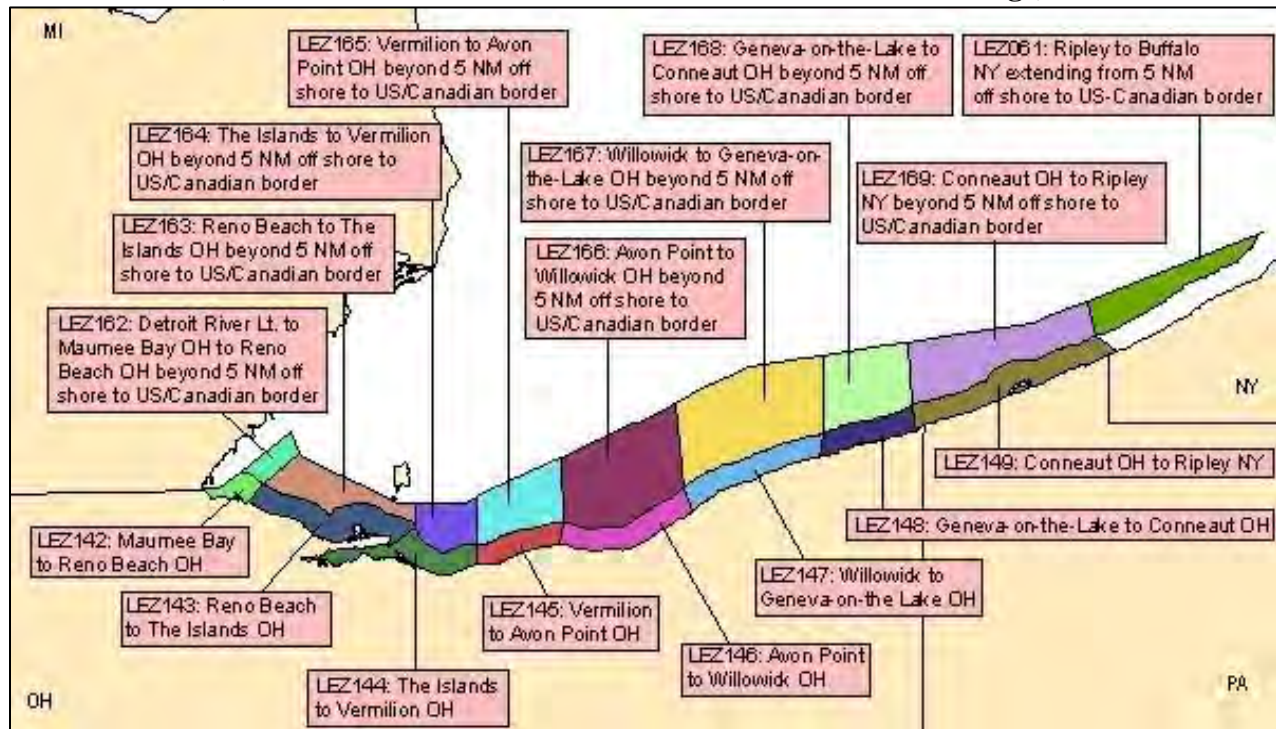
AREA OF RESPONSIBILITY BOUNDARIES

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)

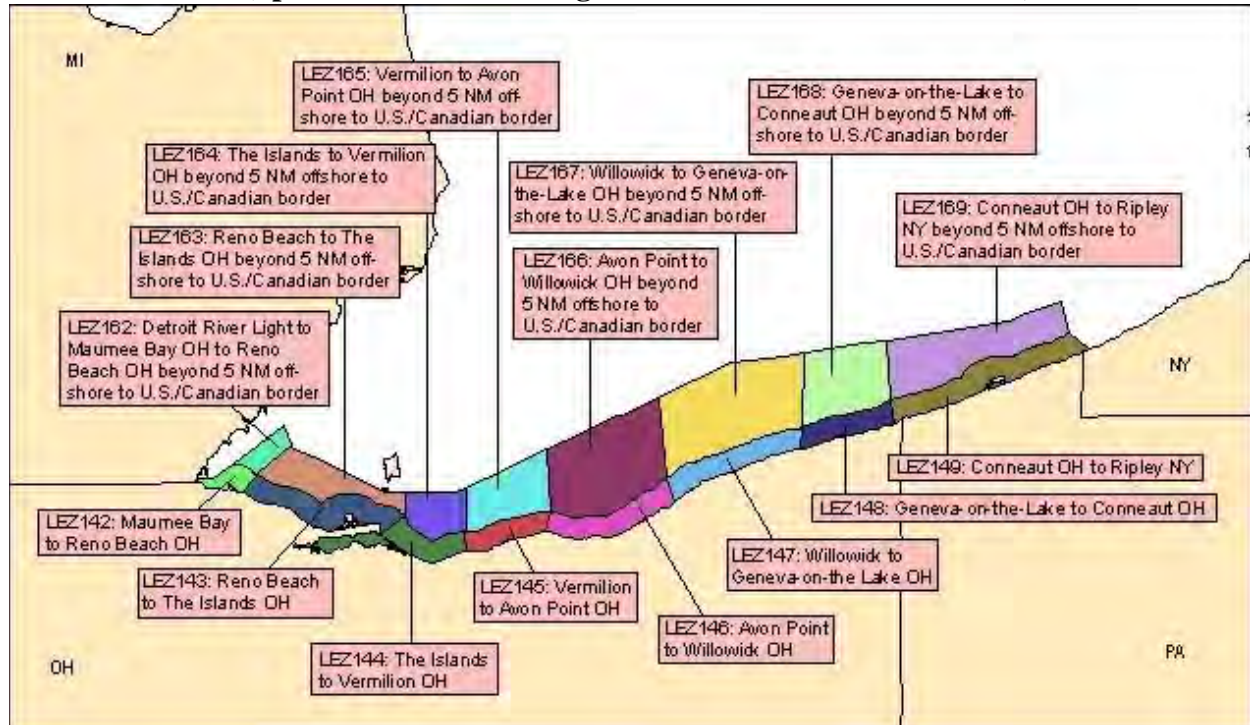
AREA OF RESPONSIBILITY BOUNDARIES

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

(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

(Nearshore Marine Forecast)



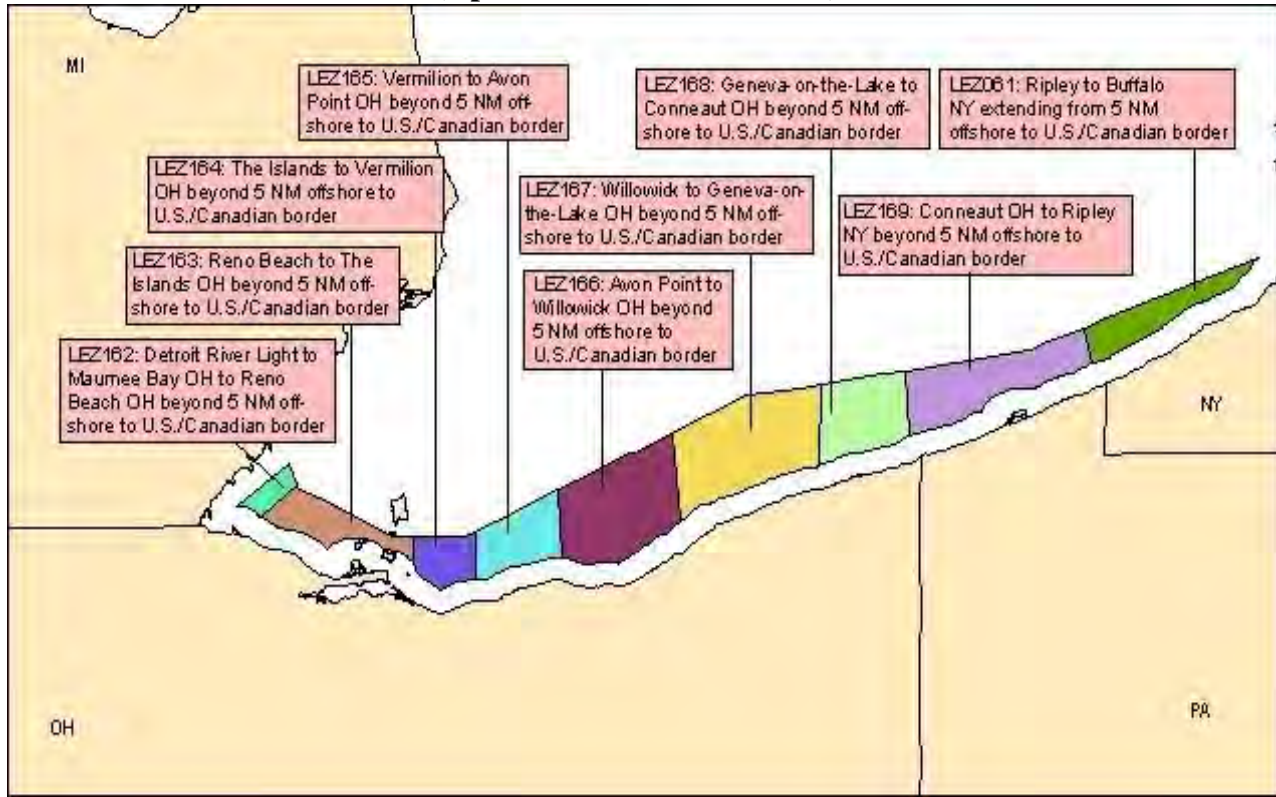
CLEVELAND, OH (CLE)

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,
 LEZ148 Geneva-on-the-Lake to Conneaut, OH
 LEZ149 Conneaut, OH to Ripley, NY

(Open Lake Marine Forecast)



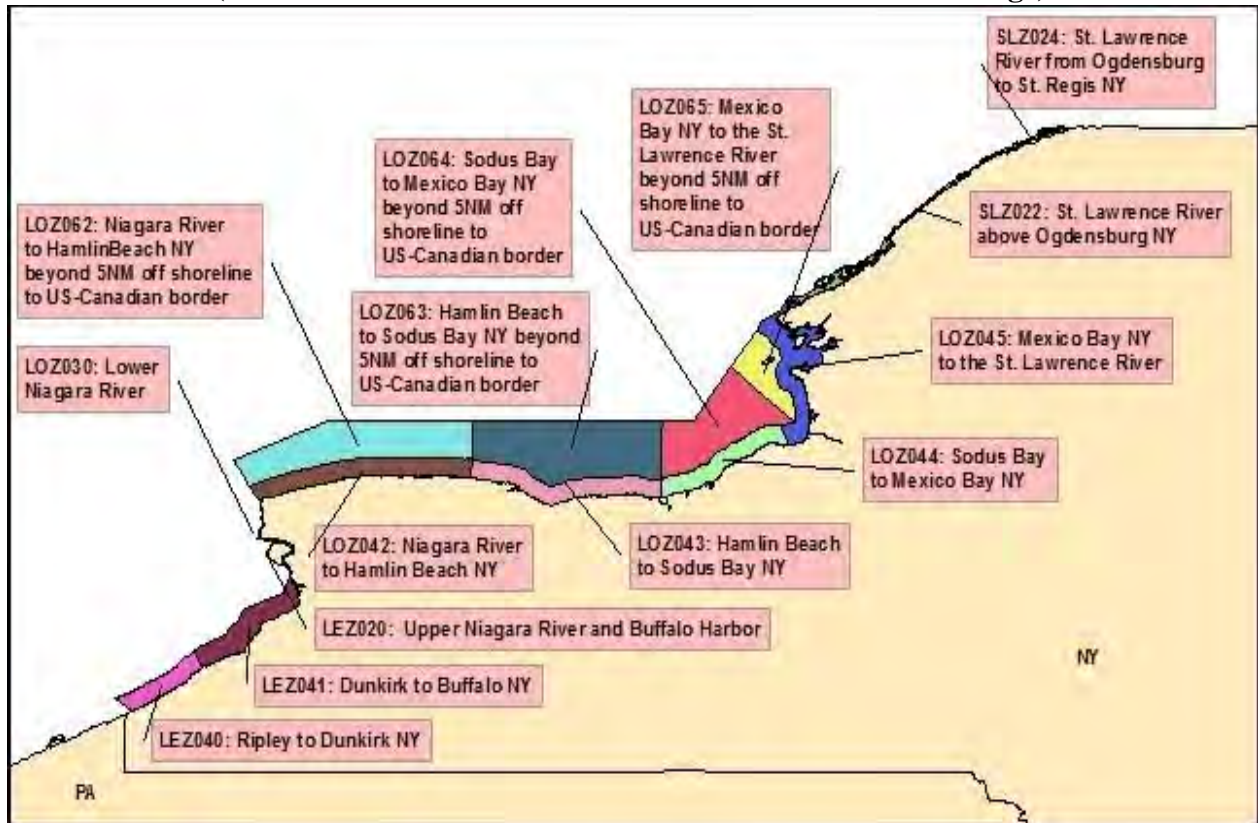
CLEVELAND, OH (CLE)

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

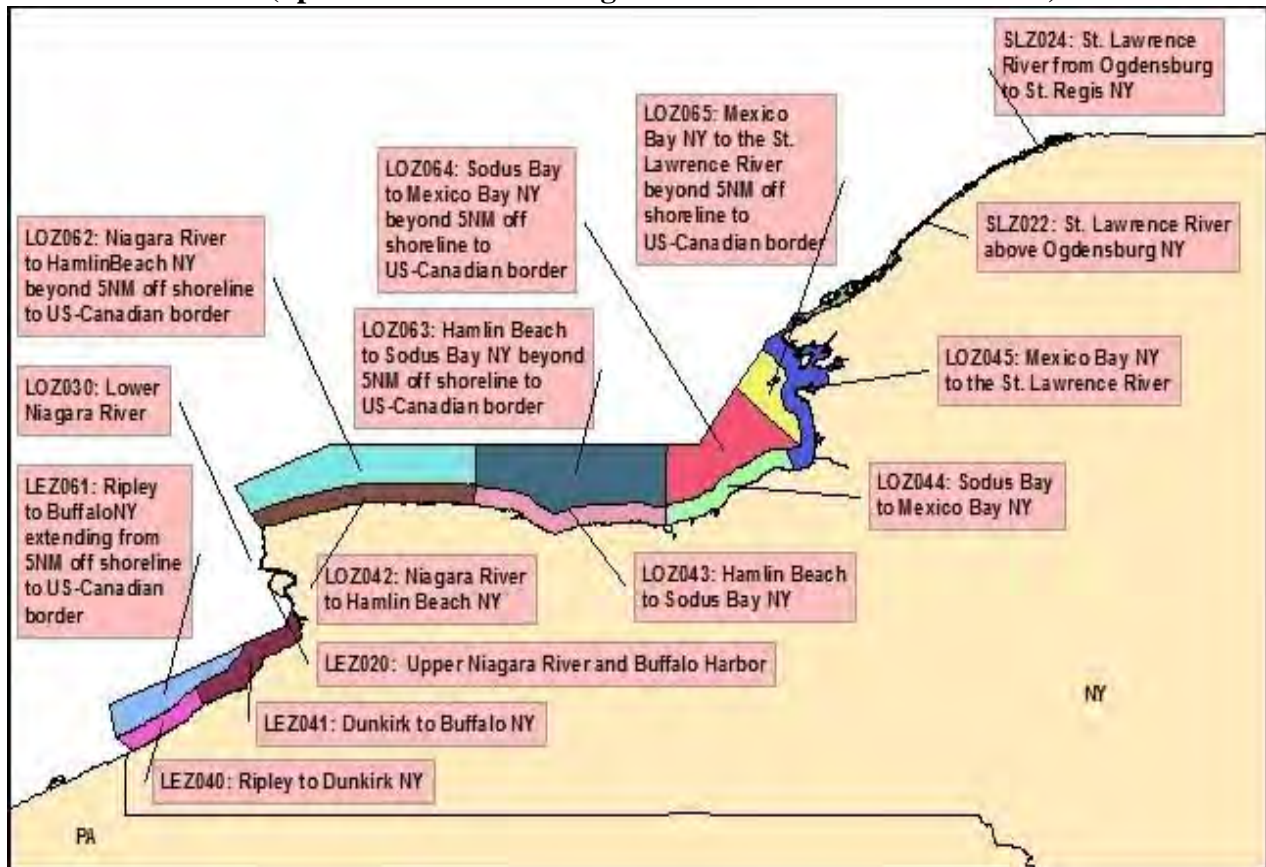
Lake Erie - NY/PA border to Buffalo Harbor; Buffalo Harbor and Niagara River.

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	Upper Niagara River and Buffalo Harbor
LOZ030	Lower 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

(Special Marine Warning and Severe Local Storm Watch)



BUFFALO, NY (BUF)

AREA OF RESPONSIBILITY BOUNDARIES

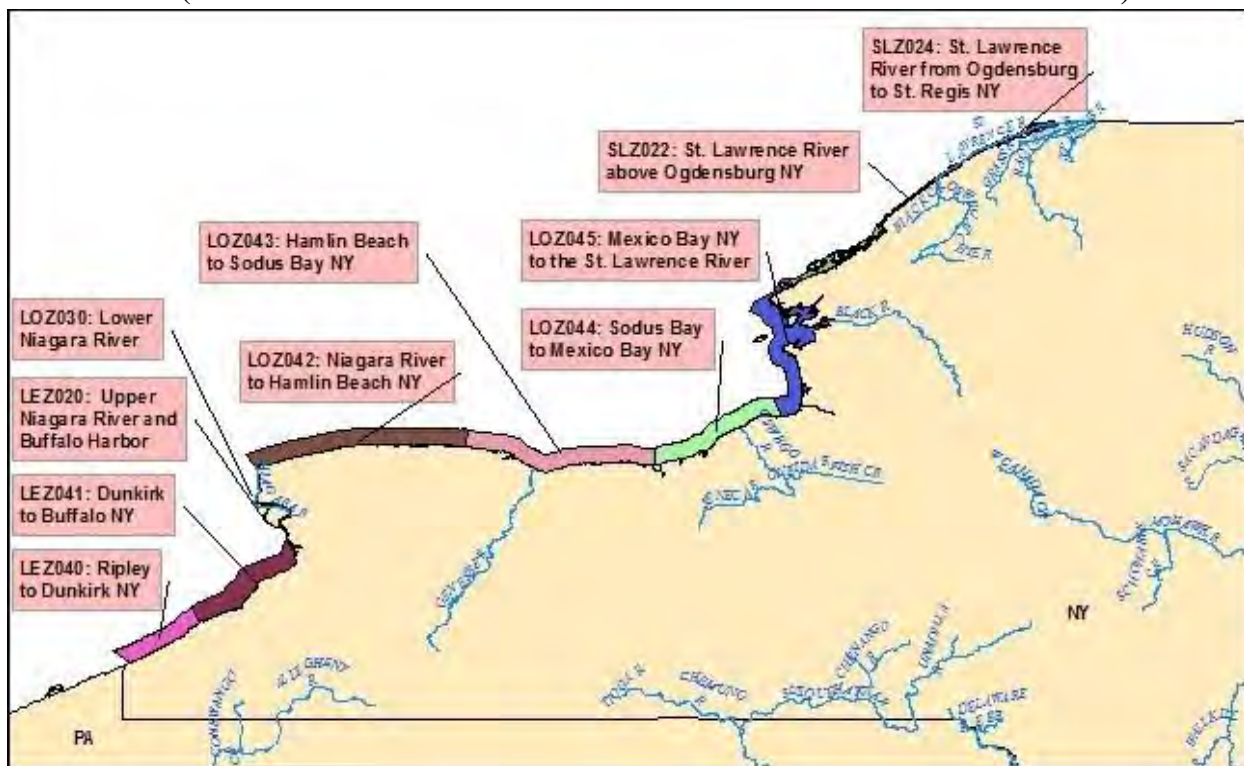
Lake Erie - NY/PA border to Buffalo Harbor; Buffalo Harbor and Niagara River.

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	Upper Niagara River and Buffalo Harbor
LOZ030	Lower 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

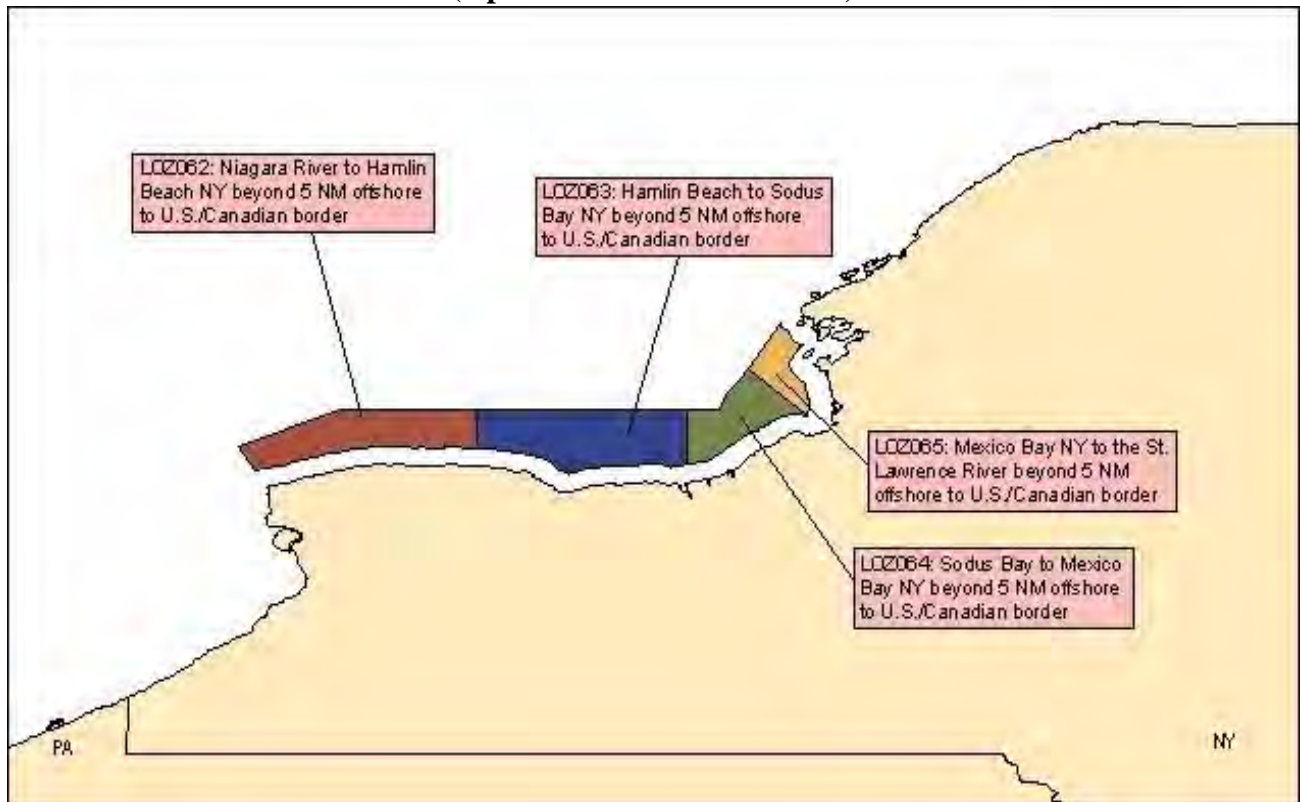
Lake Erie - NY/PA border to Buffalo Harbor; Buffalo Harbor and Niagara River.

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

LEZ040	Ripley to Dunkirk, NY
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LEZ041	Dunkirk to Buffalo, NY
LEZ020	Upper Niagara River and Buffalo Harbor
LOZ030	Lower 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.

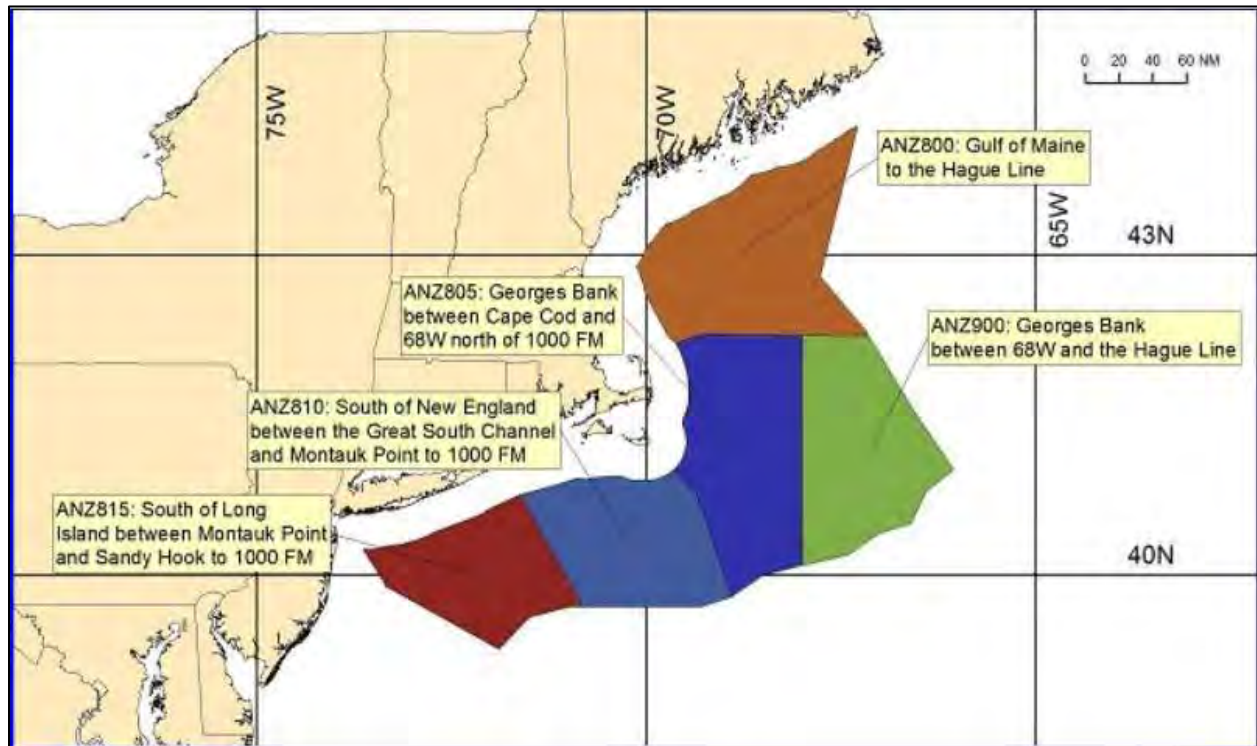
LOZ062	Niagara River to Hamlin Beach, NY, beyond 5 NM offshore to U.S./Canadian border
LOZ063	Hamlin Beach to Sodus Bay, NY, beyond 5 NM offshore to U.S./Canadian border

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

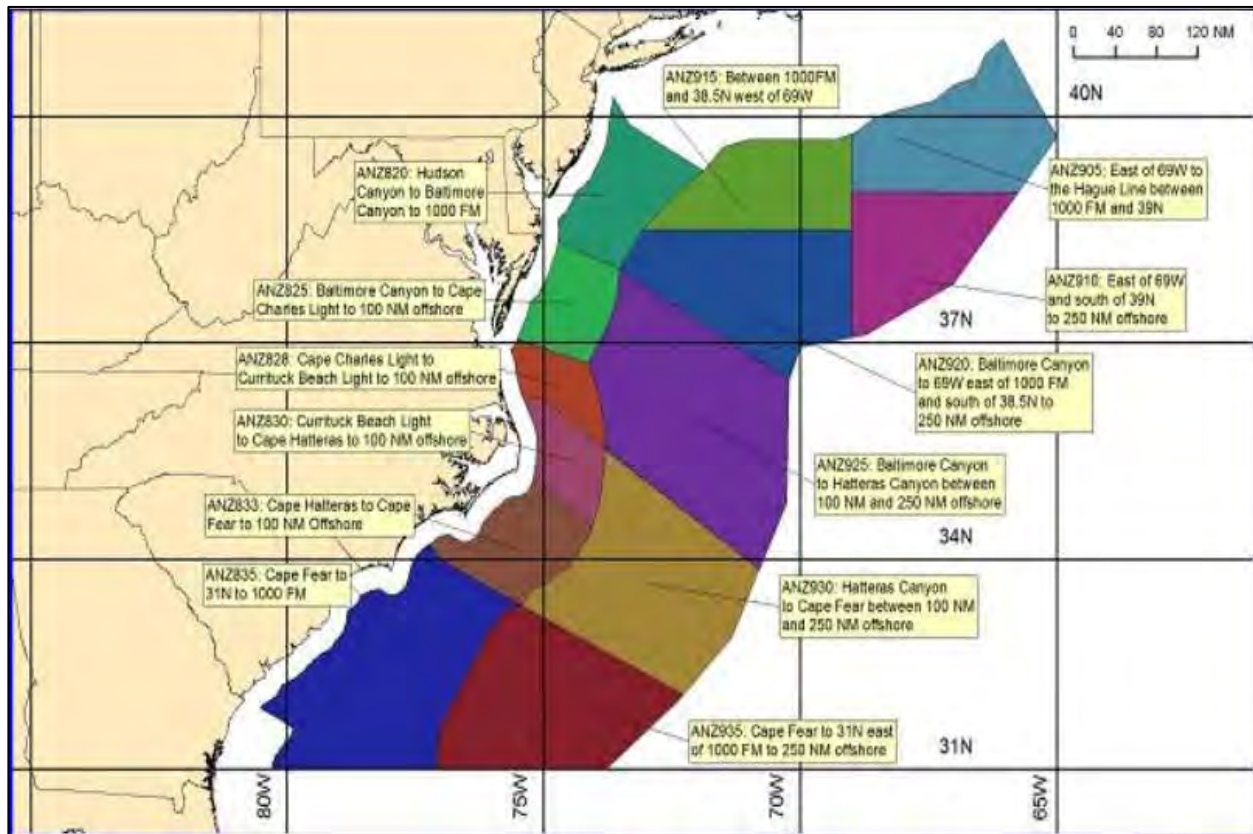
Ocean Prediction Center

New England / North Atlantic



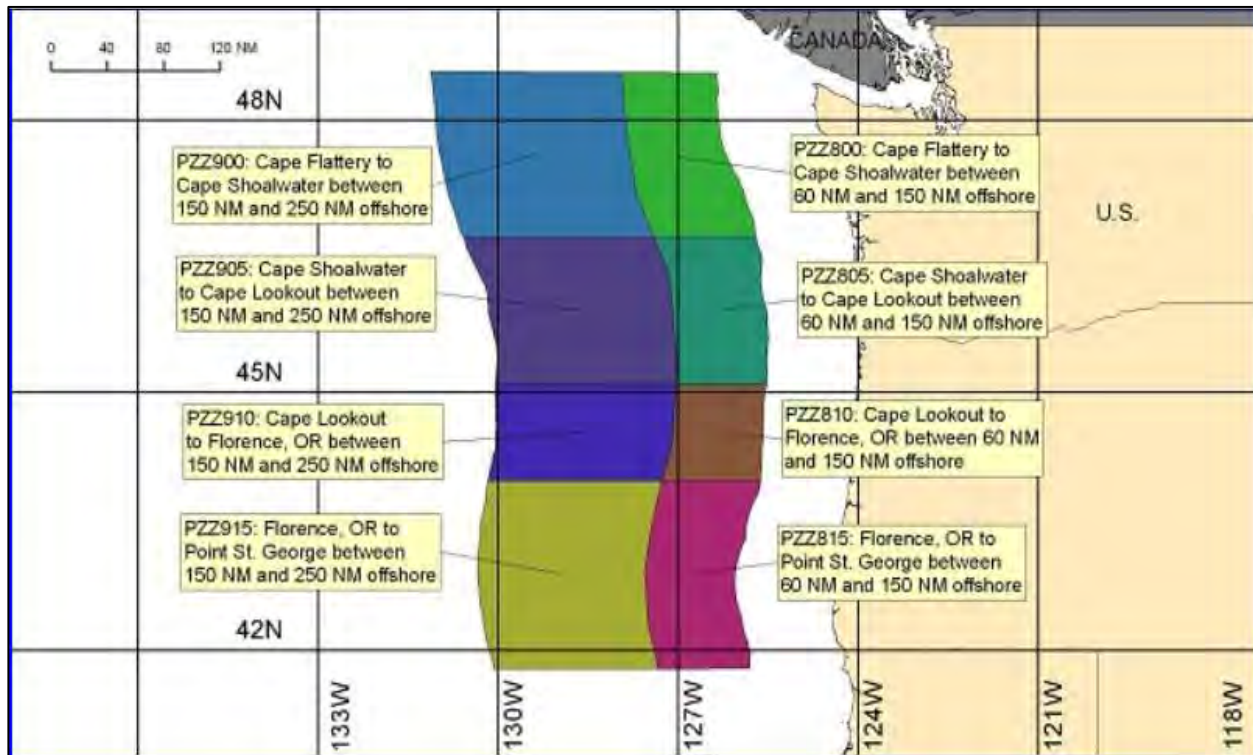
Boundary Description: New England continental shelf and slope waters from 25 nm offshore to the Hague Line, except to 1000 fm south of New England.

- ANZ898 Synopsis for New England Waters (Area ID – NT1)
- ANZ800 Gulf of Maine to the Hague Line
- ANZ805 Georges Bank between Cape Cod and 68W North of 1,000 FM
- ANZ900 Georges Bank between 68W and the Hague Line
- ANZ810 South of New England between the Great South Channel and Montauk Point to 1000 NM
- ANZ815 South of Long Island between Montauk Point and Sandy Hook to 1000 FM

Mid-Atlantic

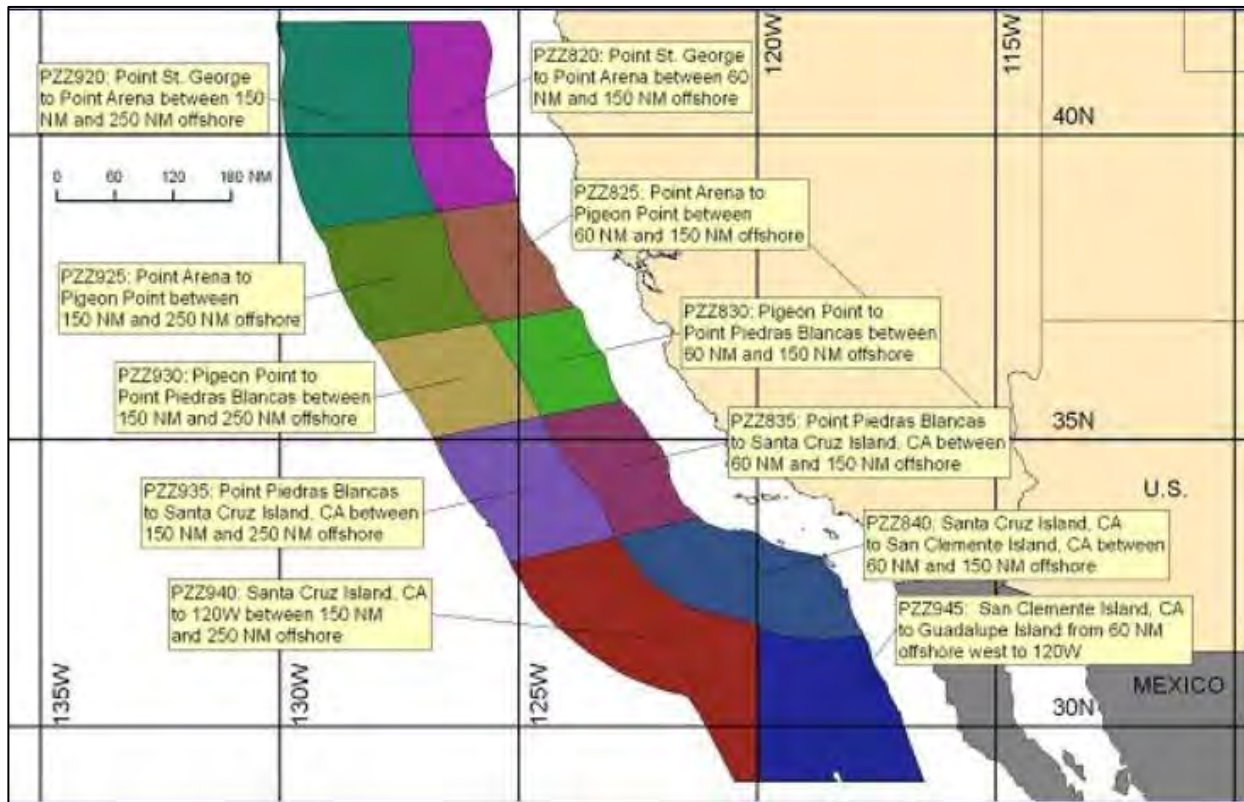
Boundary Description: West central North Atlantic continental shelf and slope waters beyond 20 nm to 250 nm offshore, including south of Georges Bank from 1,000 fm to 250 nm offshore.

- ANZ899 Synopsis for mid-Atlantic Waters (Area ID – NT2)
- ANZ820 Hudson Canyon to Baltimore Canyon to 1,000 FM.
- ANZ915 Between 1000FM and 38.5 N west of 69 W
- ANZ905 East of 69W to the Hague Line between 1,000 FM and 39N
- ANZ920 Baltimore Canyon to 69W east of 1000 FM and south of 38.5N to 250 NM offshore
- ANZ910 East of 69W and south of 39N to 250 NM offshore
- ANZ825 Baltimore Canyon to Cape Charles Light to 100 NM offshore
- ANZ828 Cape Charles Light to Currituck Beach Light to 100 NM offshore
- ANZ925 Baltimore Canyon to Hatteras Canyon between 100 NM and 250 NM offshore
- ANZ830 Currituck Beach Light to Cape Hatteras to 100 NM offshore
- ANZ833 Cape Hatteras to Cape Fear to 100 NM Offshore
- ANZ930 Hatteras Canyon to Cape Fear between 100 NM and 250 NM offshore
- ANZ835 Cape Fear to 31N to 1000 FM
- ANZ935 Cape Fear to 31N east of 1000 FM to 250 NM offshore

Eastern Pacific - Oregon and Washington Offshore Waters

Boundary Description: Washington and Oregon waters (Inner waters from 60 nm to 150 nm offshore and Outer waters from 150 nm to 250 nm offshore).

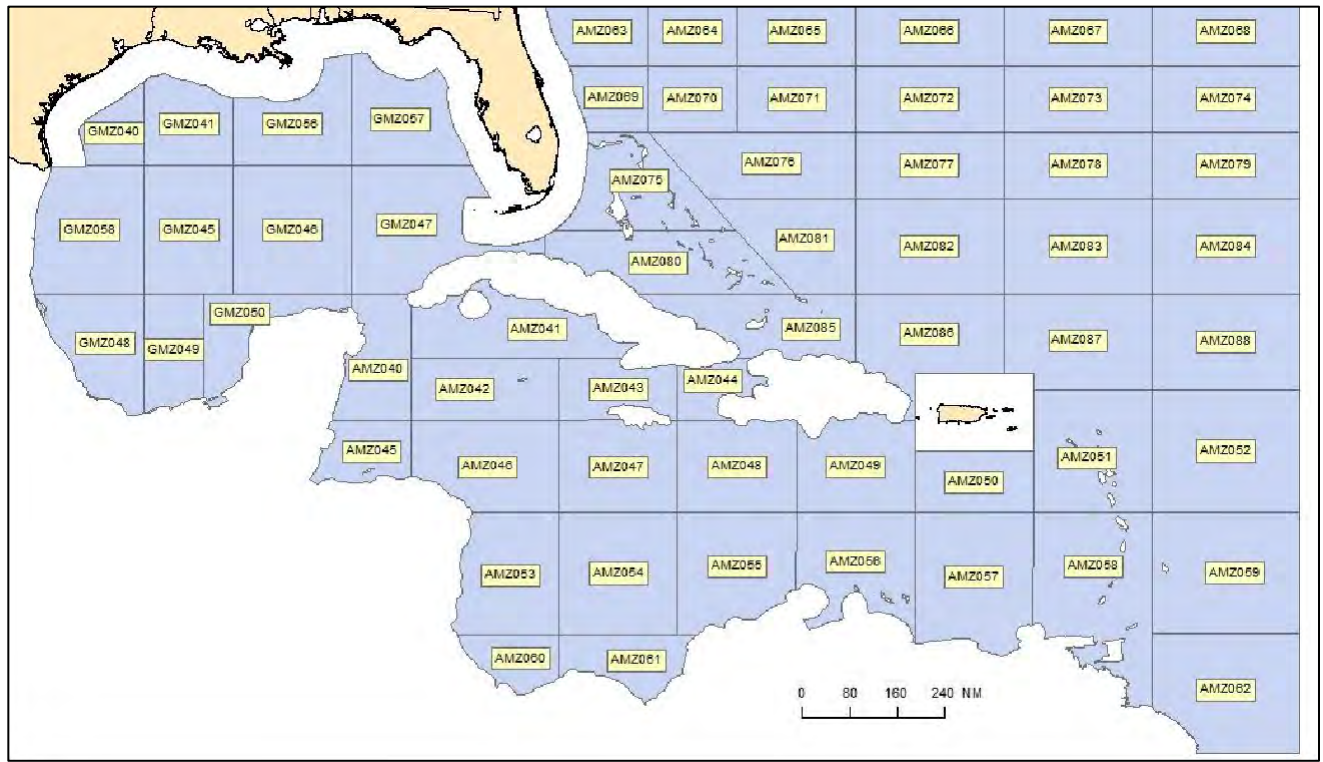
- PZZ898 Synopsis for Oregon and Washington Waters (Area ID – PZ5)
- PZZ800 Cape Flattery to Cape Shoalwater between 60 NM and 150 NM offshore
- PZZ900 Cape Flattery to Cape Shoalwater between 150 NM and 250 NM offshore
- PZZ805 Cape Shoalwater to Cape Lookout between 60 NM and 150 NM offshore
- PZZ905 Cape Shoalwater to Cape Lookout between 150 NM and 250 NM offshore
- PZZ810 Cape Lookout to Florence, OR between 60 NM and 150 NM offshore
- PZZ910 Cape Lookout to Florence, OR between 150 NM and 250 NM offshore
- PZZ815 Florence, OR to Point St. George between 60 NM and 150 NM offshore
- PZZ915 Florence, OR to Point St. George between 150 NM and 250 NM offshore

Eastern Pacific - California Offshore Waters

Boundary Description: California waters (Inner waters from 60 nm to 150 nm offshore and Outer waters from 150 nm to 250 nm offshore.)

- PZZ899 Synopsis for California Waters (Area ID – PZ6)
- PZZ820 Point St. George to Point Arena between 60 NM and 150 NM offshore
- PZZ920 Point St. George to Point Arena between 150 NM and 250 NM offshore
- PZZ825 Point Arena to Pigeon Point between 60 NM and 150 NM offshore
- PZZ925 Point Arena to Pigeon Point between 150 NM and 250 NM offshore
- PZZ830 Pigeon Point to Point Piedras Blancas between 60 NM and 150 NM offshore
- PZZ930 Pigeon Point to Point Piedras Blancas between 150 NM and 250 NM offshore
- PZZ835 Point Piedras Blancas to Santa Cruz Island, CA between 60 NM and 150 NM offshore
- PZZ935 Point Piedras Blancas to Santa Cruz Island, CA between 150 NM and 250 NM offshore
- PZZ840 Santa Cruz Island, CA to San Clemente Island, CA between 60 NM and 150 NM offshore
- PZZ940 Santa Cruz Island, CA to 120W between 150 NM and 250 NM offshore
- PZZ945 San Clemente Island, CA to Guadalupe Island from 60 NM offshore west to 120W

National Hurricane Center (NHC) / Tropical Analysis Forecast Branch (TAFB)

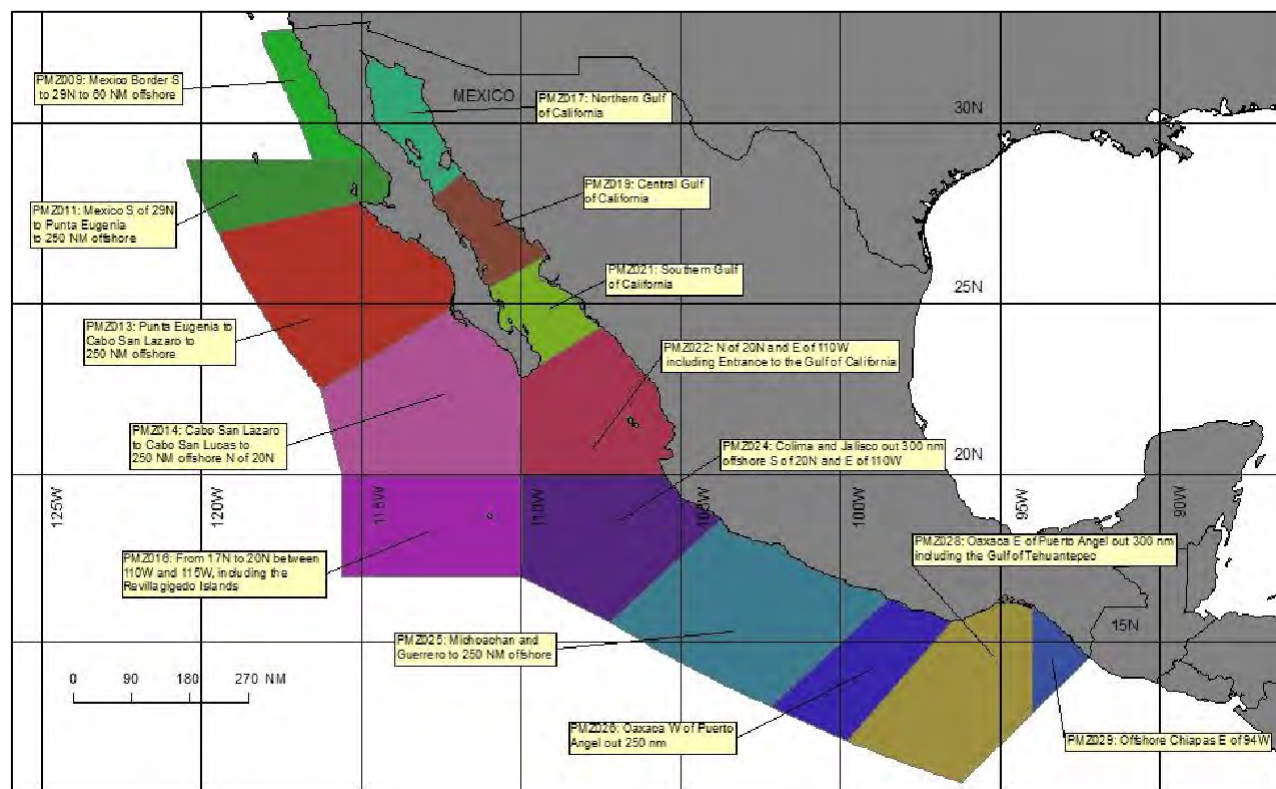
Southwest North Atlantic, Gulf of Mexico and Caribbean Offshore Waters

Boundary Description: Tropical N Atlantic from 07°N to 22°N between 55°W and 64°W, the SW N Atlantic S of 31°N W of 65°W including Bahamas, the Caribbean Sea and the Gulf of Mexico.

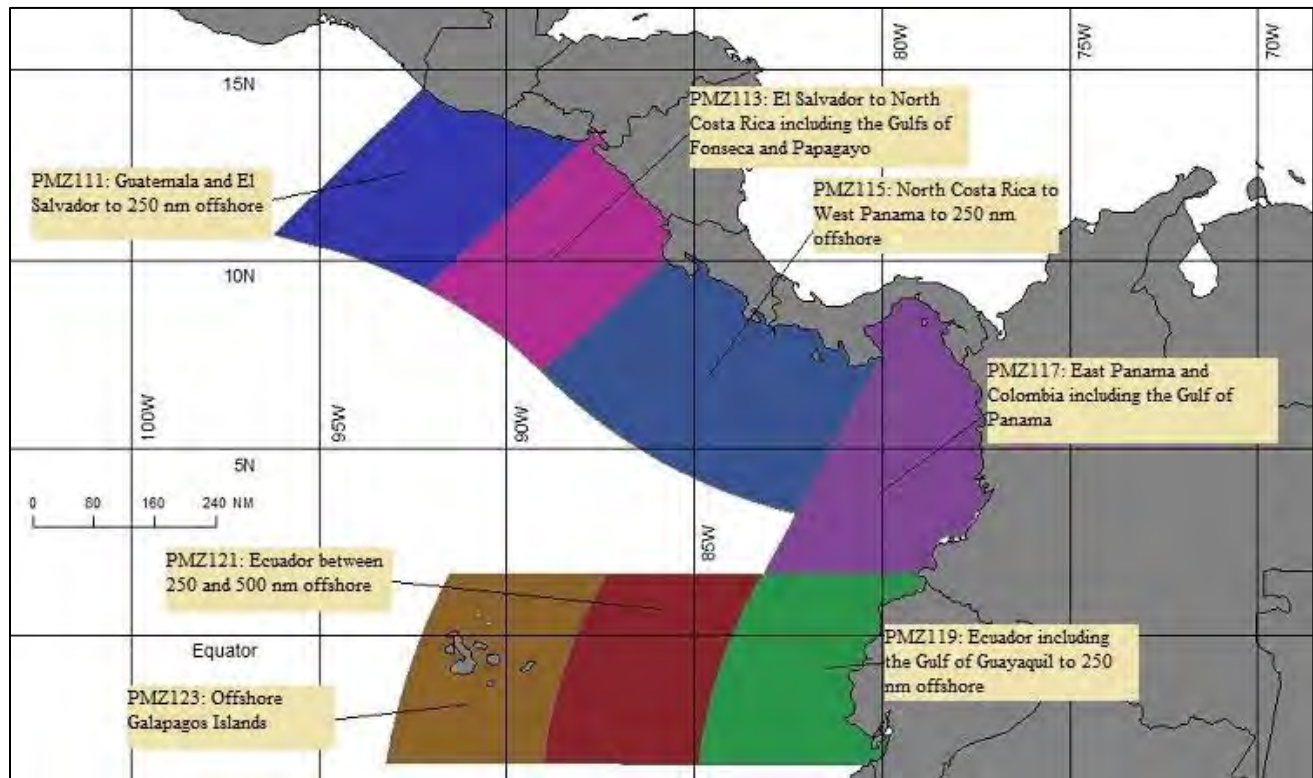
- AMZ001 Synopsis for Caribbean Sea and Tropical N Atlantic from 07°N to 19°N between 55°W and 64°W (Area ID – NT3)
- AMZ101 Synopsis for the SW N Atlantic including the Bahamas (Area ID – NT3)
- AMZ040 Caribbean N of 18°N W of 85°W including Yucatan Basin
- AMZ041 Caribbean N of 20°N E of 85°W
- AMZ042 Caribbean from 18°N to 20°N between 80°W and 85°W including Cayman Basin
- AMZ043 Caribbean from 18°N to 20°N between 76°W and 80°W
- AMZ044 Caribbean approaches to the Windward Passage
- AMZ045 Gulf of Honduras
- AMZ046 Caribbean from 15°N to 18°N between 80°W and 85°W
- AMZ047 Caribbean from 15°N to 18°N between 76°W and 80°W
- AMZ048 Caribbean from 15°N to 18°N between 72°W and 76°W
- AMZ049 Caribbean N of 15°N between 68°W and 72°W
- AMZ050 Caribbean N of 15°N between 64°W and 68°W
- AMZ051 Offshore Waters Leeward Islands
- AMZ052 Tropical N Atlantic from 15°N to 19°N between 55°W and 60°W
- AMZ053 W Central Caribbean from 11°N to 15°N W of 80°W

AMZ054	Caribbean from 11N to 15N between 76W and 80W
AMZ055	Caribbean from 11N to 15N between 72W and 76W including Colombia Basin
AMZ056	Caribbean S of 15N between 68W and 72W including Gulf of Venezuela
AMZ057	Caribbean S of 15N between 64W and 68W including Venezuela Basin
AMZ058	Offshore Waters Windward Islands including Trinidad and Tobago
AMZ059	Tropical N Atlantic from 11N and 15N between 55W and 60W
AMZ062	Tropical N Atlantic from 7N and 11N between 55W and 60W
AMZ060	SW Caribbean S of 11N W of 80W
AMZ061	SW Caribbean S of 11N E of 80W including the approaches to the Panama Canal
AMZ063	Atlantic from 29N to 31N W of 77W
AMZ064	Atlantic from 29N to 31N between 74W and 77W
AMZ065	Atlantic from 29N to 31N between 70W and 74W
AMZ066	Atlantic from 29N to 31N between 65W and 70W
AMZ067	Atlantic from 29N to 31N between 60W and 65W
AMZ068	Atlantic from 29N to 31N between 55W and 60W
AMZ069	Atlantic from 27N to 29N W of 77W
AMZ070	Atlantic from 27N to 29N between 74W and 77W
AMZ071	Atlantic from 27N to 29N between 70W and 74W
AMZ072	Atlantic from 27N to 29N between 65W and 70W
AMZ073	Atlantic from 27N to 29N between 60W and 65W
AMZ074	Atlantic from 27N to 29N between 55W and 60W
AMZ075	Northern Bahamas from 24N to 27N
AMZ076	Atlantic from 22N to 27N E of Bahamas to 70W
AMZ077	Atlantic from 22N to 27N between 65W and 70W
AMZ078	Atlantic from 25N to 27N between 60W and 65W
AMZ079	Atlantic from 25N to 27N between 55W and 60W
AMZ080	Central Bahamas including Cay Sal Bank
AMZ081	Atlantic from 22N to 25N E of Bahamas to 70W
AMZ082	Atlantic from 22N to 25N between 65W and 70W
AMZ083	Atlantic from 22N to 25N between 60W and 65W
AMZ084	Atlantic from 22N to 25N between 55W and 60W
AMZ085	Atlantic S of 22N W of 70W including approaches to the Windward Passage
AMZ086	Atlantic S of 22N between 65W and 70W including Puerto Rico Trench
AMZ087	Atlantic from 19N to 22N between 60W and 65W
AMZ088	Atlantic from 19N to 22N between 55W and 60W
GMZ001	Synopsis for the Gulf of Mexico (Area ID – NT4)
GMZ040	NW Gulf including Stetson Bank
GMZ041	SW Louisiana Offshore Waters including Flower Garden Bank Marine Sanctuary
GMZ045	W Central Gulf from 22N to 26N between 91W and 94W
GMZ046	Central Gulf from 22N to 26N between 87W and 91W-
GMZ047	SE Gulf from 22N to 26N E of 87W including Straits of Florida
GMZ048	SW Gulf S of 22N W of 94W
GMZ049	Central Bay of Campeche
GMZ050	E Bay of Campeche including Campeche Bank
GMZ056	N Central Gulf Offshore Waters
GMZ057	NE Gulf N of 26N E of 87W

GMZ058 W Central Gulf from 22N to 26N W of 94W

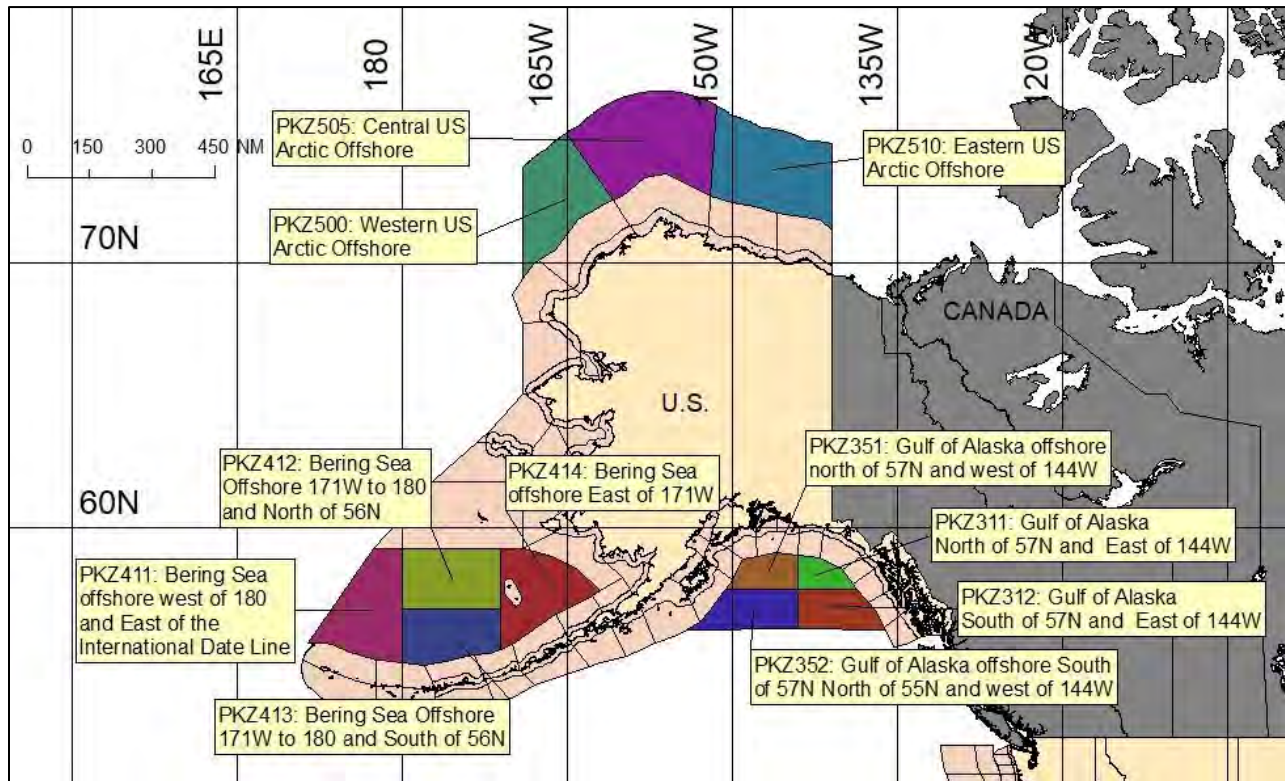
Eastern Pacific – Mexico**Boundary Description:** Offshore Waters Forecast of the Eastern Pacific within 300 nm of Mexico

- PMZ001 Synopsis for the E Pacific within 250 nm of Mexico (Area ID – PZ7)
- PMZ009 Mexico Border S to 29N within 60 nm of shore
- PMZ011 Mexico S of 29N to Punta Eugenia
- PMZ013 Punta Eugenia to Cabo San Lazaro to 250 nm offshore
- PMZ014 Cabo San Lazaro to Cabo San Lucas to 250 nm offshore of 20N
- PMZ016 From 17N to 20N between 110W and 115W, including the Revillagigedo Islands of California
- PMZ017 Northern Gulf of California
- PMZ019 Central Gulf of California
- PMZ021 Southern Gulf of California
- PMZ022 N of 20N and E of 110W including Entrance to the Gulf of California
- PMZ024 Colima and Jalisco out 300 nm offshore S of 20N and E Of 110W
- PMZ025 Mexico - States of Michoacan and Guerrero to 250 nm offshore
- PMZ026 Oaxaca W of Puerto Angel out 250 nm
- PMZ028 Oaxaca E of Puerto Angel out 300 nm including the Gulf of Tehuantepec
- PMZ029 Offshore Chiapas E of 94W

Eastern Pacific - Equatorial

Boundary Description: Offshore Waters Forecast for the E Pacific within 250 nm of Central America, Colombia, and within 750 nm of Ecuador

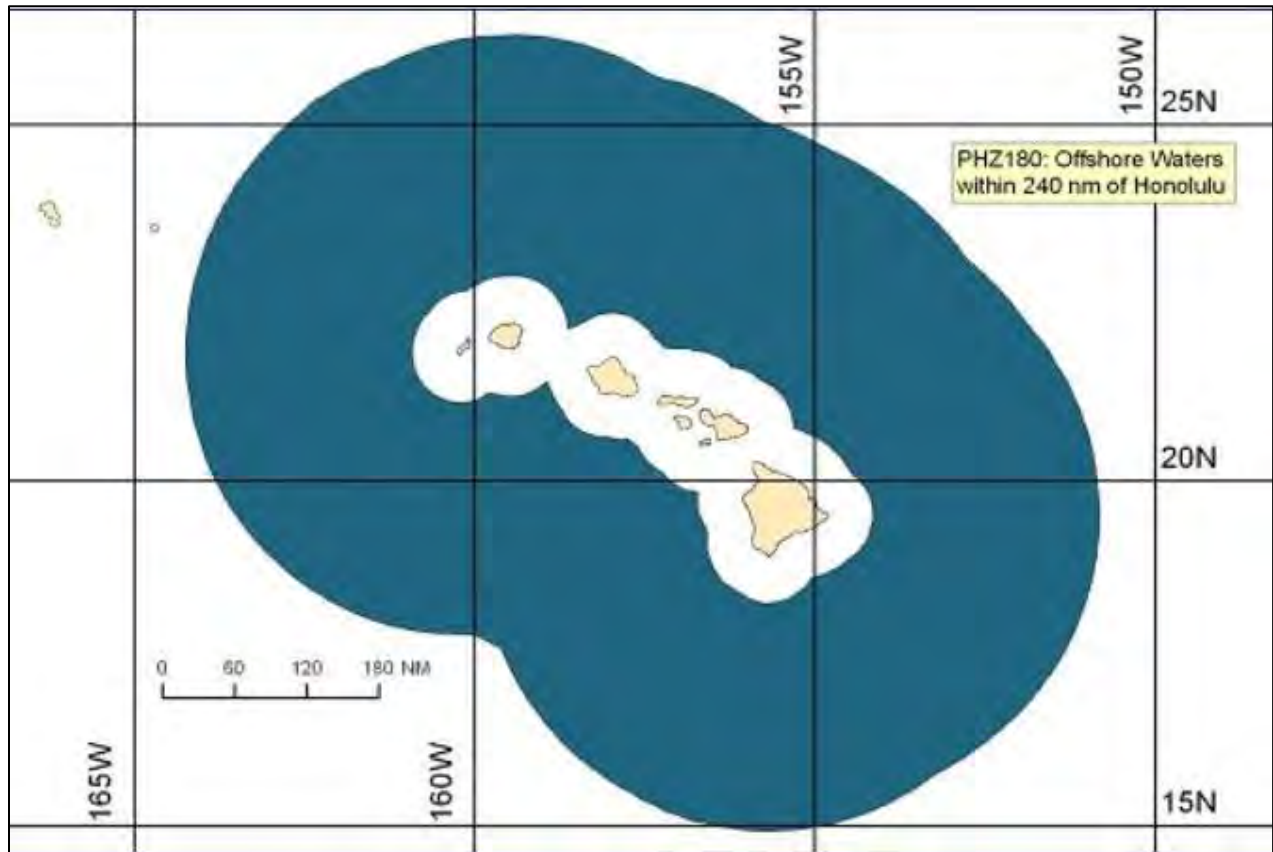
- PMZ101 Synopsis for the E Pacific within 250 nm of Central America, Colombia, and within 750 nm of Ecuador (Area ID – PZ78)
- PMZ111 Guatemala and El Salvador to 250 nm offshore
- PMZ113 El Salvador to North Costa Rica including the Gulfs of Fonseca and Papagayo
- PMZ115 North Costa Rica to West Panama to 250 nm offshore
- PMZ117 East Panama and Colombia including the Gulf of Panama
- PMZ119 Ecuador including the Gulf of Guayaquil to 250 nm offshore
- PMZ121 Ecuador between 250 and 500 nm offshore
- PMZ123 Offshore Galapagos Islands

Alaska Offshore Waters

Boundary Descriptions: Offshore waters forecast for Gulf of Alaska east of 144W...Offshore waters forecast for the Gulf of Alaska West of 144W...Offshore Waters Forecast for the Bering Sea...Offshore Waters Forecast for the US Arctic Waters...

- PKZ398 Synopsis for the eastern Gulf of Alaska (Area ID – AJK)
- PKZ311 Gulf of Alaska North of 57 Degrees North and East of 144 Degrees West
- PKZ312 Gulf of Alaska South of 57 Degrees North and East of 144 Degrees West
- PKZ399 Synopsis for the western Gulf of Alaska (Area ID – AER)
- PKZ351 Gulf of Alaska Offshore North of 57N and West of 144W
- PKZ352 Gulf of Alaska Offshore South of 57N North of 55N and West of 144W
- PKZ499 Synopsis for the Central Bering Sea (Area ID – ALU)
- PKZ411 Bering Sea Offshore West of 180 and East of the International Dateline
- PKZ412 Bering Sea Offshore 171W to 180 and North of 45N
- PKZ413 Bering Sea Offshore 171W to 180 and South of 56N
- PKZ414 Bering Sea Offshore East of 171W
- PKZ599 Synopsis for the Arctic Waters (Area ID – AFG)
- PKZ500 Western US Arctic Offshore
- PKZ505 Central US Arctic Offshore
- PKZ510 Eastern US Arctic Offshore

Hawaii Offshore Waters



Boundary Descriptions: Hawaiian offshore waters beyond 40 nautical miles out to 240 nautical miles including the portion of the Papahānaumokuākea Marine National Monument east of French Frigate Shoals

- PKZ105 Synopsis for Hawaiian Offshore Waters (Area ID – HFO)
- PKZ180 Offshore Waters for Hawaii within 240 nm of Honolulu

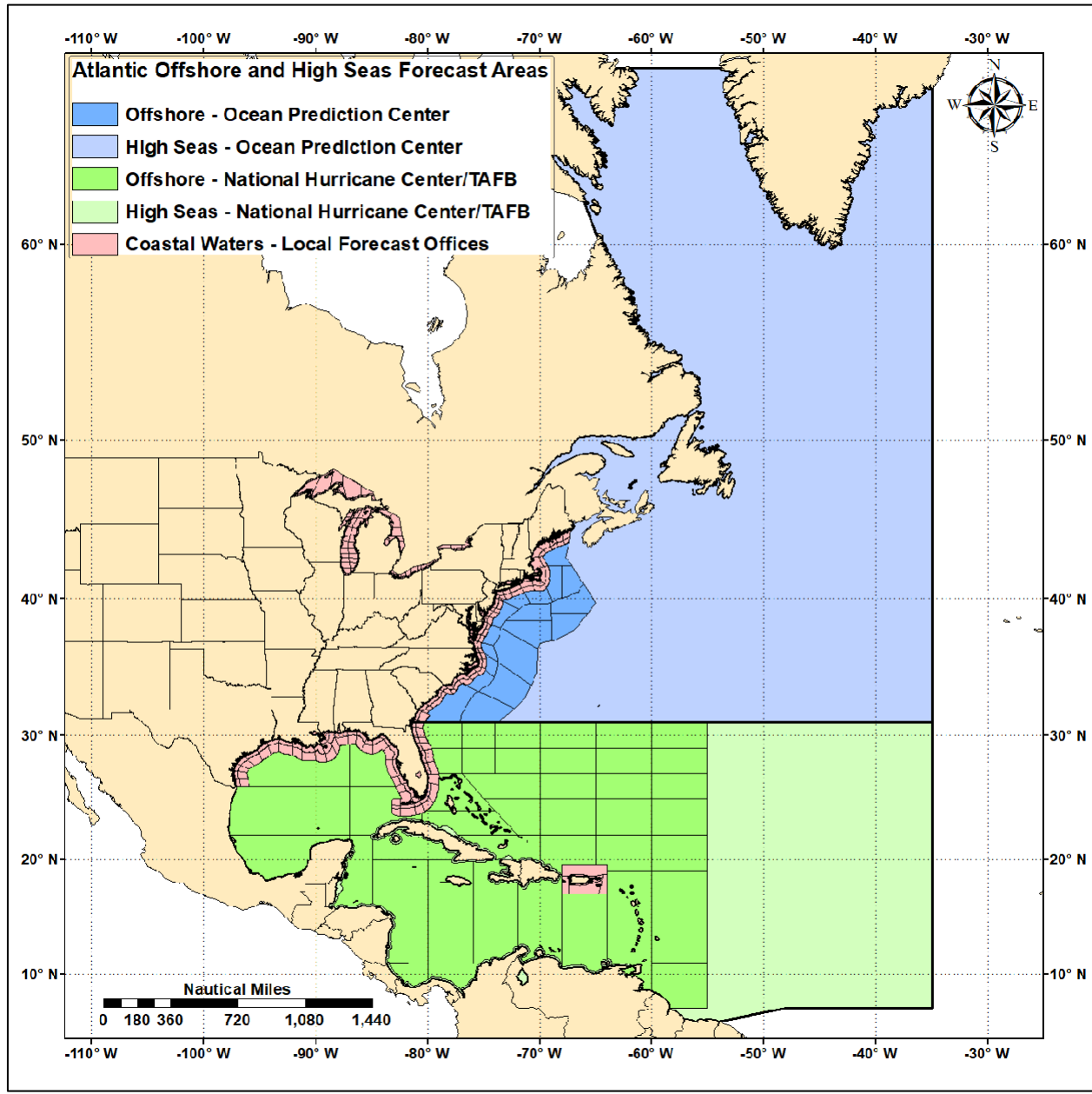
4 NAVTEX Forecast Areas of Responsibility

Issuing Office	Geographic Heading	Product ID	WMO Header	Product Coverage (out to 200 nm)	NAVTEX Transmitter
OPC (Atlantic)	Northeast US Waters	OFFN01	FZNT23KWNM	Eastport, ME to South of New England	Boston, MA
	Mid-Atlantic States waters	OFFN02	FZNT24KWNM	Sandy Hook, NJ to Murrells Inlet, SC	Chesapeake, VA
	Southeastern US waters	OFFN03	FZNT25KWNM	Murrells Inlet, SC to Flagler Beach, FL	Savannah, GA
NHC/TAFB (Atlantic and Gulf)	SW North Atlantic E half of the Gulf of Mexico and NW Caribbean waters	OFFN04	FZNT25KNHC	Flagler Beach, FL to Suwanee River, FL	Miami, FL
	Puerto Rico and US Virgin Island waters	OFFN05	FZNT26KNHC	Surrounding San Juan	San Juan, PR
	Gulf of Mexico Waters	OFFN06	FZNT27KNHC	Suwanee River, FL to Rio Grande	New Orleans, LA
OPC (Pacific)	Southern CA Waters	OFFN07	FZPN22KWNM	Point Pedras Blancas, CA to Mexican Border	Cambria, CA
	Northern CA waters	OFFN08	FZPN23KWNM	Pt. St. George CA to Pt. Pedras Blancas CA	Pt. Reyes, CA
	WA and OR waters	OFFN09	FZPN24KWNM	Canadian Border to Pt. St. George, CA	Astoria, OR
WFO Honolulu	Hawaiian waters	OFFN10	FZHW61 PHFO	Hawaiian waters	Honolulu, HI
WFO Juneau, AK	SE Alaska coastal waters	OFFN11	FZAK61 PAJK	Dixon Entrance to Cape Suckling (out 100nm)	Kodiak, AK
WFO Anchorage, AK	S central Alaska coastal waters	OFFN12	FZAK63 PAFC	S Central Alaska coastal	Kodiak, AK

				waters (out to 100 nm)	
	SW Alaska coastal waters	OFFN13	FZAK64 PAFC	Alaska Peninsula waters and Aleutian Islands (out to 100nm)	Kodiak, AK
WFO Fairbanks, AK	NW coast	OFFN14	FZAK62 PAFG	Norton Sound, Kotzebue Sound, Dall Point to Cape Thompson	Kodiak, AK
	Arctic coast	OFFN15	FZAK61 PAFG	Cape Thompson to Demarcation Point	Kodiak, AK

5 High Seas Forecast Areas of Responsibility

Atlantic



The image above indicates NWS coastal, offshore and High Seas forecast zones in the Atlantic. High Seas areas are shown in light blue (OPC) and light green (NHC/TAFB)

Issuing Office

Area

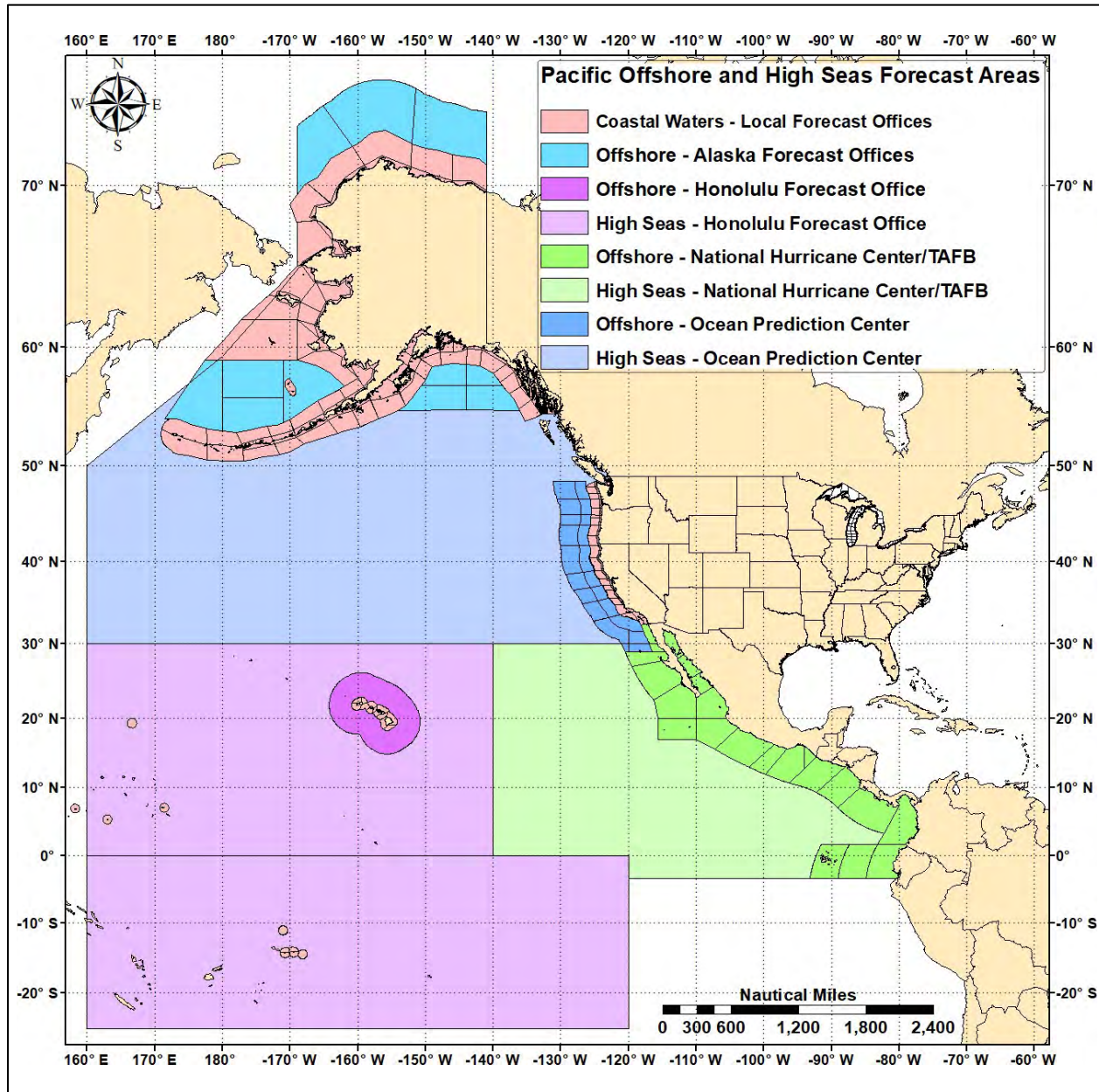
NCEP/OPC

North Atlantic Ocean between 31N and 67N latitude and between the East Coast of the U.S. and 35W longitude. WMO METAREA IV.

NHC/TAFB

Atlantic Ocean west of 35W longitude between 31N latitude and 7N latitude including the Caribbean Sea and the Gulf of Mexico. WMO METAREA IV.

Pacific



The image above indicates NWS coastal, offshore and High Seas forecast zones in the Pacific. High Seas areas are shown in light blue (OPC), light green (NHC/TAFB) and light purple (WFO Honolulu).

<u>Issuing Office</u>	<u>Area</u>
NCEP/OPC	North Pacific Ocean north of 30N and south of 67N east of a line from Bering Strait to 50N 160E to 30N 160E. WMO METAREA XII.
NHC/TAFB	Eastern North Pacific Ocean between the Equator and 30N latitude, east of 140W longitude, and 3.4S to the Equator east of 120W longitude. WMO METAREA XII.
WFO Honolulu	Central North Pacific Ocean between the Equator and 30N latitude and between 140W longitude and 160E longitude. WMO METAREA XII. Central South Pacific Ocean between the Equator and 25S latitude and between 120W longitude and 160E longitude. WMO METAREA XIV.

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

Numeric	Alpha	Abbreviated Name	Full Name
57	PZ	Eastern N. Pacific Ocean	Eastern North Pacific Ocean and along the US 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 US East Coast from Canadian border south to Currituck Beach Light, NC
75	AM	West N. Atlantic Ocean	Western North Atlantic Ocean and along US East Coast south of Currituck Beach Light, NC following the coastline to Gulf of Mexico to Ocean Reef, FL including the Caribbean
77	GM	Gulf of Mexico	Gulf of Mexico and along the US 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. Claire	Lake St. Claire
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: <https://www.weather.gov/gis/>

7 National Marine Sanctuary Inclusions

Office	Inclusion
WFO Taunton/Boston, MA	The Stellwagen Bank National Marine Sanctuary
WFO Morehead City/Newport, NC	The Monitor National Marine Sanctuary
WFO Charleston, SC	The Grays Reef National Marine Sanctuary
WFO Key West, FL	The Florida Keys National Marine Sanctuary
NHC/TAFB	The Flower Garden Banks National Marine Sanctuary
WFO Los Angeles, CA	The Channel Islands National Marine Sanctuary
WFO San Francisco Bay Area at/Monterey	The Monterey Bay/Gulf of the Farallones/and Cordell Bank National
WFO Seattle, WA	The Olympic Coast National Marine Sanctuary
WFO Honolulu, HI	The Hawaiian Islands Humpback Whale National Marine Sanctuary
WFO Honolulu, HI	The Northwestern Hawaiian Islands Marine National Monument
WSO Pago Pago	The Fagatele Bay National Marine Sanctuary
WFO Gaylord, MI	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.