

NATIONAL WEATHER SERVICE INSTRUCTION 10-302

July 16, 2004

Operations and Services

MARINE AND COASTAL WEATHER SERVICE PROGRAM, NWSPD 10-3

MARINE AND COASTAL SERVICES AREAS OF RESPONSIBILITY

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

OPR: OS21 (B. LaMarre)

Certified by: OS21 (T. Pierce)

Type of Issuance: Routine.

SUMMARY OF REVISIONS: To bring this directive into phase with the entire suite of 10-3 Procedural Instructions, an emergency update was performed. This directive supersedes NWSI 10-302 dated January 13, 2004. New and/or corrected maps are included for the following offices: Pago Pago, American Samoa; Brownsville, TX; Key West, FL; Charleston, SC; Wakefield, VA; New Orleans, LA; Corpus Christi, TX; Seattle, WA; Portland, OR; Medford, OR; Eureka, CA; San Francisco/Monterey, CA; Los Angeles, CA; San Diego, CA; San Juan, PR; Jacksonville, FL (reference Service Change Notice 04-31 for marine zone change); WFO Caribou, ME; and Honolulu, HI (reference Service Change Notice 04-16 and 04-17 for marine zone modernization/expansion and related header changes). The new, formatted maps (with the marine zone coding included, as seen on the maps of the aforementioned offices) will be included for all offices in future updates. This directive also includes corrected headers for the Offshore Waters Forecast.

Signed

July 2, 2004

Gregory A. Mandt
Director, Office of Climate,
Water, and Weather Services

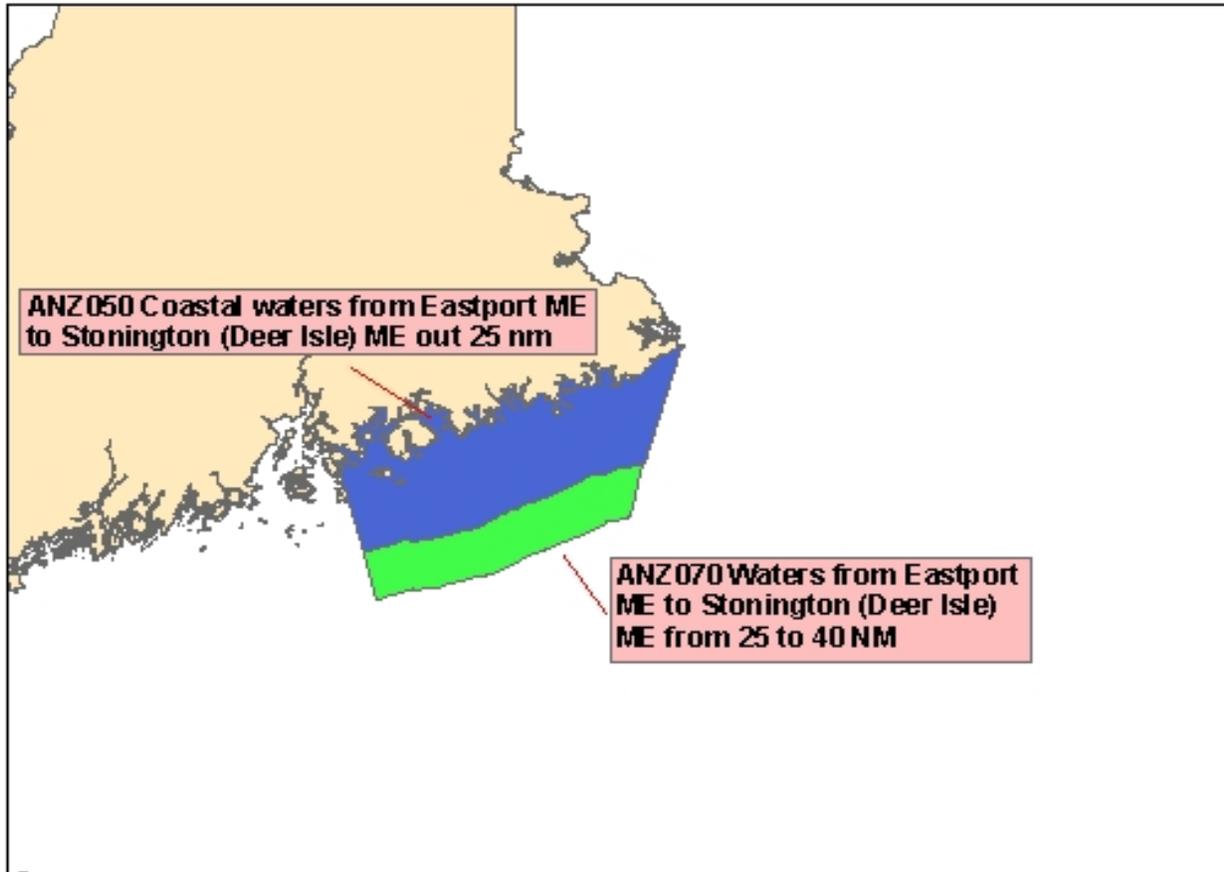
Date

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) FZUS51 KCAR

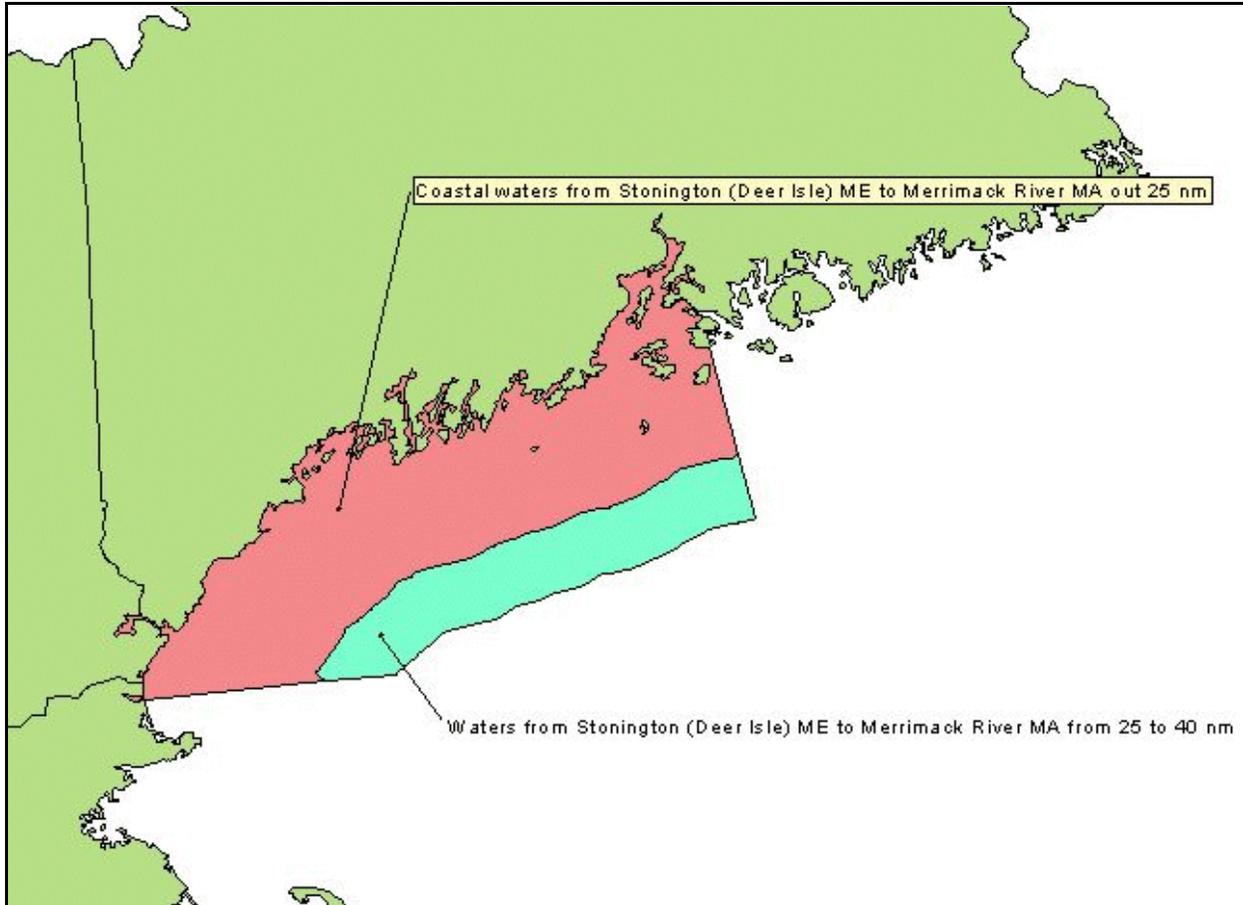
AREA OF RESPONSIBILITY BOUNDARIES

US-Canada border to Stonington (Deer Isle) ME out 25 NM
(Special Marine Warnings out to 40 NM)

- ANZ005 Synopsis for Eastport ME to Stonington (Deer Isle) ME out 25 NM
- ANZ050 Coastal Waters from Eastport ME to Stonington (Deer Isle) ME out 25 NM
- ANZ070* *Waters from Eastport ME to Stonington (Deer Isle) ME from 25 to 40 NM

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO GRAY, ME



GRAY, ME (GYX) FZUS51 KGYX

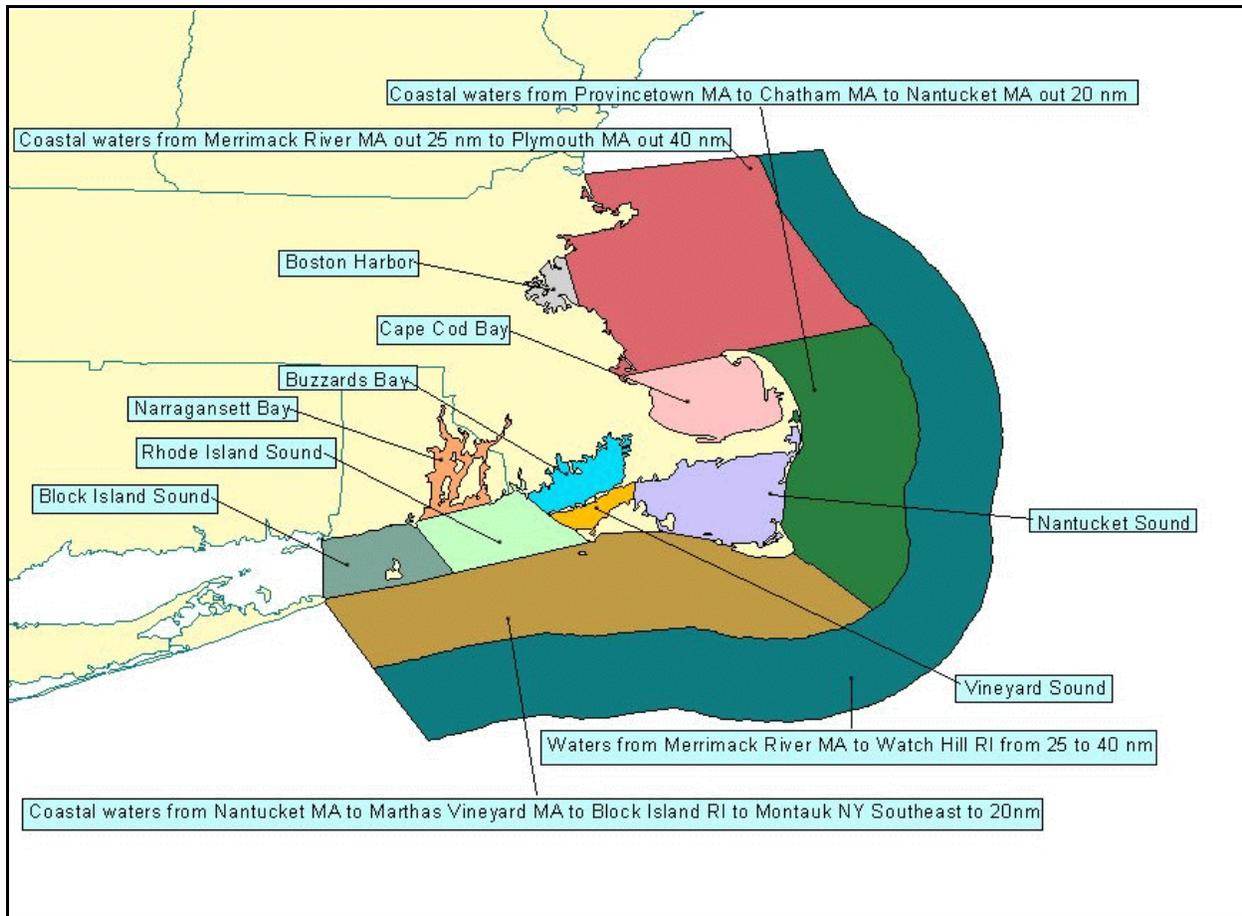
AREA OF RESPONSIBILITY BOUNDARIES

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

- ANZ100 Synopsis for Stonington (Deer Isle) ME to Merrimack River MA out 25 NM
- ANZ150 Coastal Waters from Stonington (Deer Isle) ME to Merrimack River MA out 25 NM
- ANZ170* *Waters from Stonington (Deer Isle) 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) FZUS51 KBOX

AREA OF RESPONSIBILITY BOUNDARIES

Merrimack River, MA, to CT-RI border out 20 NM (40 NM for Special Marine Warnings)

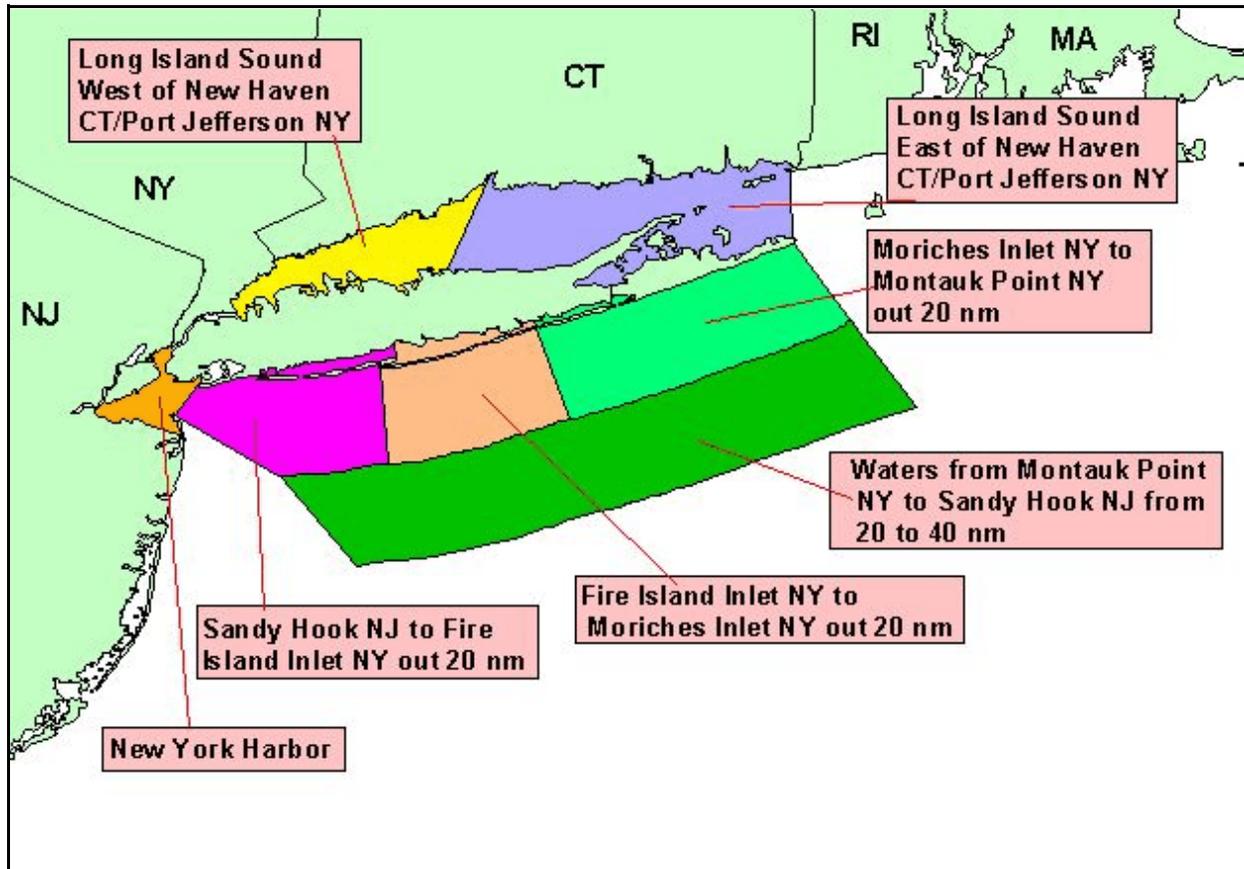
- ANZ200 Synopsis for MA and RI waters
- ANZ250 Coastal waters from Merrimack River MA out 25 NM to Plymouth MA out 40 NM
- ANZ230 Boston Harbor
- ANZ231 Cape Cod Bay
- ANZ254 Coastal waters from Provincetown MA to Chatham MA to Nantucket MA out 20 NM
- ANZ255 Coastal waters from Montauk NY to Block Island RI to Marthas Vineyard MA to Nantucket MA and 20 NM southeast.

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ANZ232 Nantucket Sound
ANZ233 Vineyard Sound
ANZ234 Buzzards Bay
ANZ235 Rhode Island Sound
ANZ236 Narragansett Bay
ANZ237 Block Island Sound

ANZ270* *Waters from Merrimack River, MA, to Watch Hill, RI from 20 to 40 NM
* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO UPTON, NY



UPTON, NY (OKX) FZUS51 KOKX

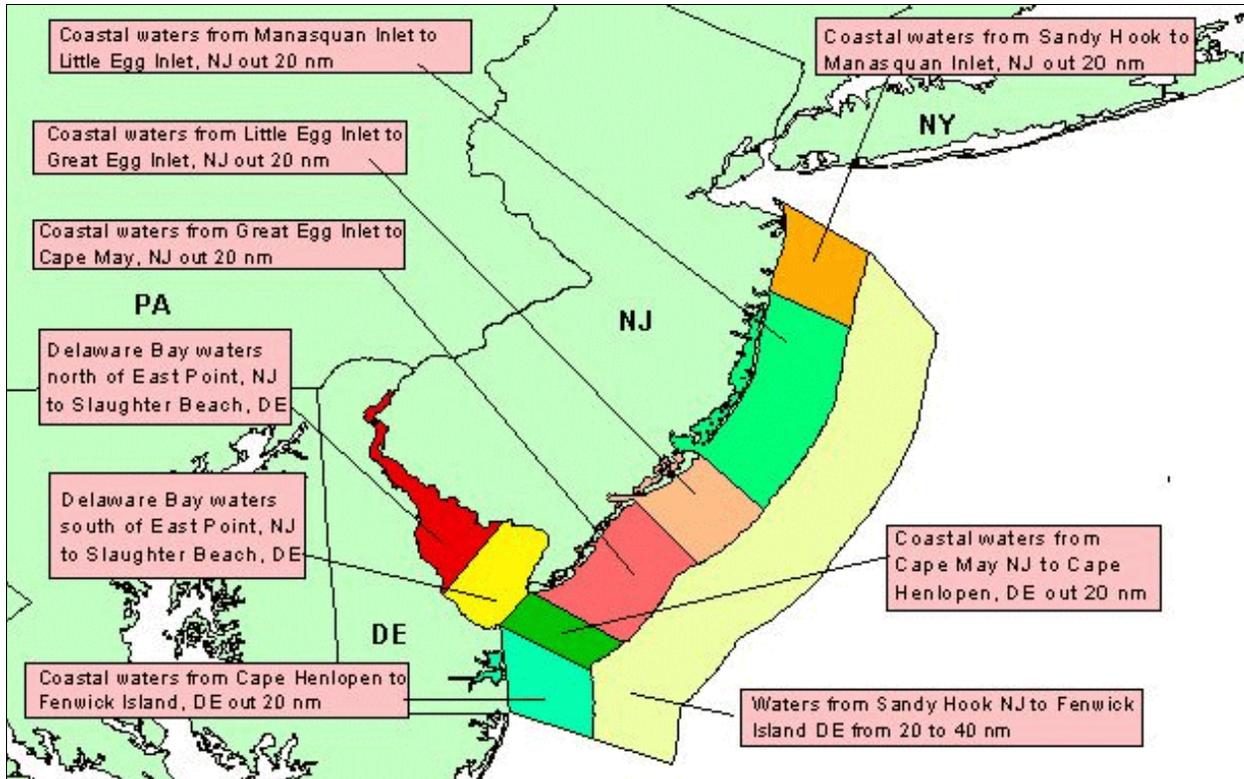
AREA OF RESPONSIBILITY BOUNDARIES

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

- ANZ300 Synopsis for Long Island waters and New York Harbor
- ANZ350 Coastal waters from Moriches Inlet to Montauk Point NY out 20 NM
- ANZ353 Coastal waters from Fire Island Inlet to Moriches Inlet NY out 20 NM
- ANZ355 Coastal waters from Sandy Hook NJ to Fire Island Inlet NY out 20 NM
- ANZ330 Long Island sound east of New Haven CT/Port Jefferson NY
- ANZ335 Long Island sound west of New Haven CT/Port Jefferson NY
- ANZ338 New York Harbor

ANZ370* *Waters from Montauk Point NY to Sandy Hook NJ from 20 to 40 NM
* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO MT HOLLY, NJ



MT. HOLLY, NJ (PHI) FZUS51 KPHI

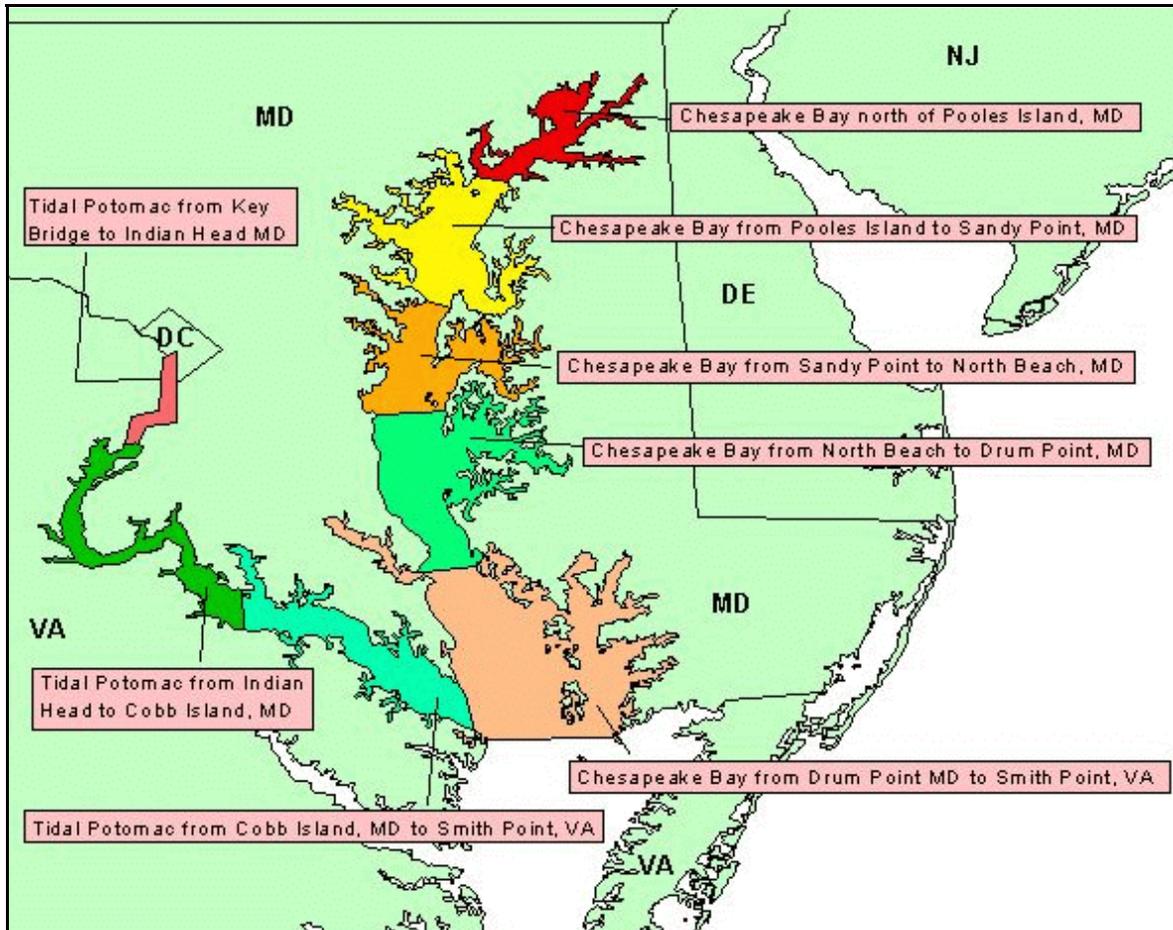
AREA OF RESPONSIBILITY BOUNDARIES

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

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

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO STERLING, VA



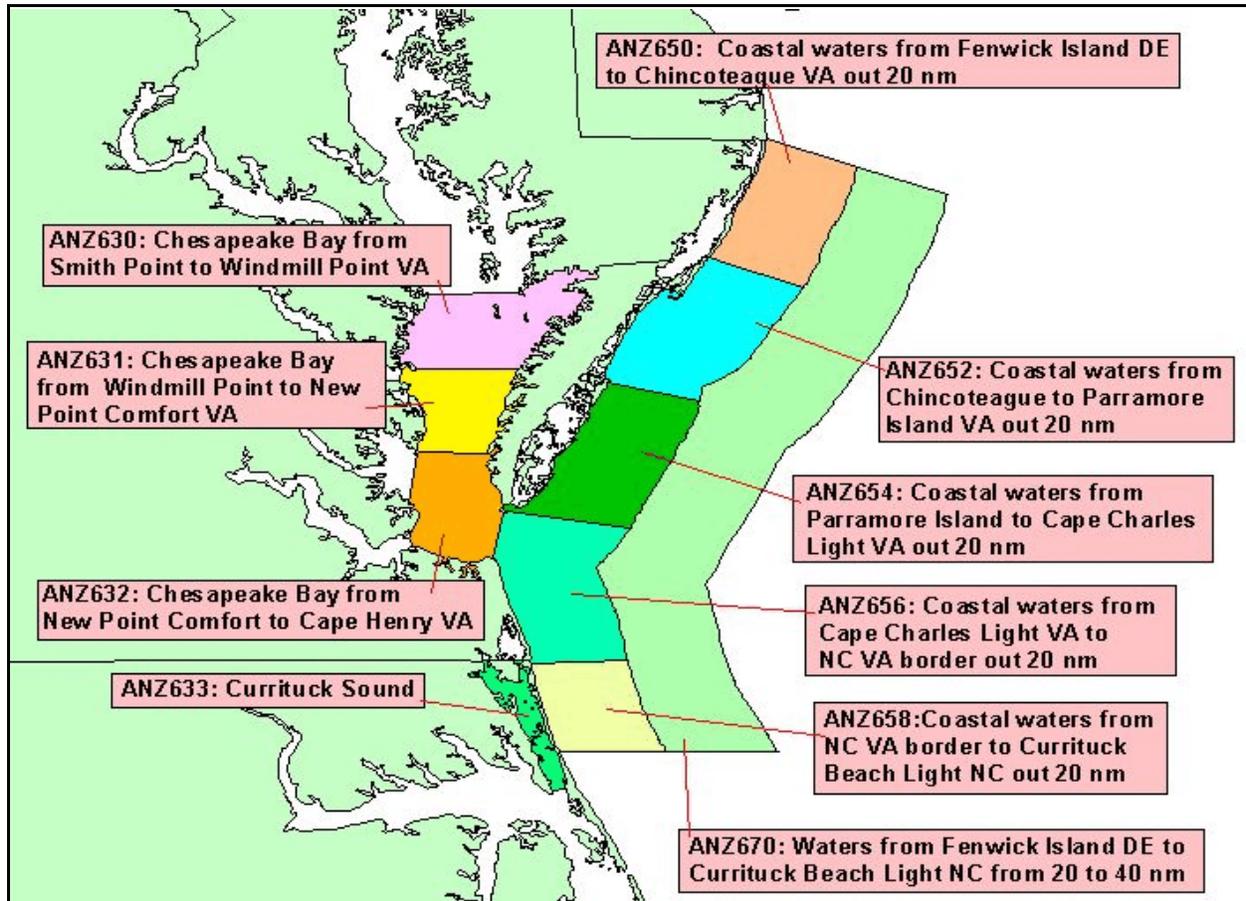
STERLING, VA (LWX) FZUS51 KLWX

AREA OF RESPONSIBILITY BOUNDARIES

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

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

MARINE ZONES FOR WFO WAKEFIELD, VA



WAKEFIELD, VA (AKQ) FZUS51 KAKQ

AREA OF RESPONSIBILITY BOUNDARIES

Chesapeake Bay south of VA-MD border to west of a line from Cape Henry to Cape Charles Light VA

MD-DE border to Dare-Currituck NC county line out 20 NM including Currituck Sound (40 NM for Special Marine Warnings)

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

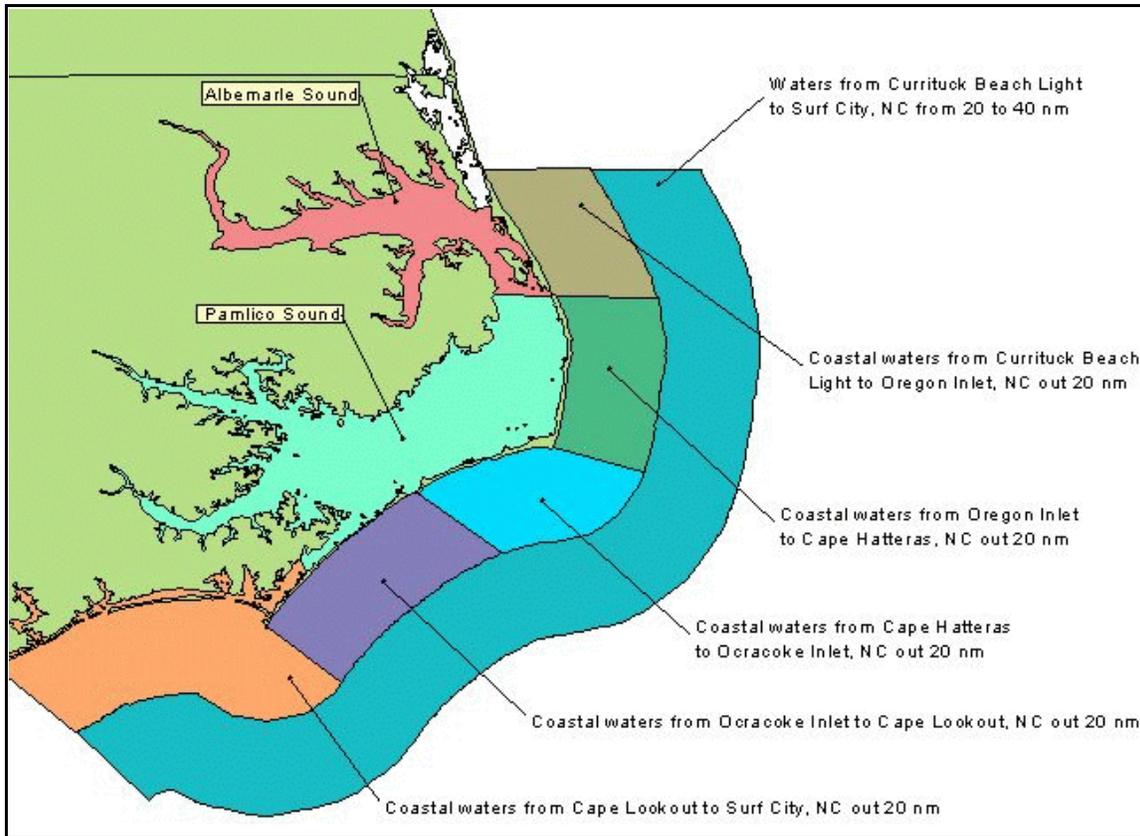
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ANZ656 Coastal waters from Cape Charles Light VA to NC-VA border out 20 NM
ANZ658 Coastal waters from NC-VA border to Currituck Beach Light NC out 20NM
ANZ633 Currituck Sound

ANZ670* *Waters from Fenwick Island DE to Currituck Beach Light NC from 20 to 40 NM

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO MOREHEAD CITY, NC

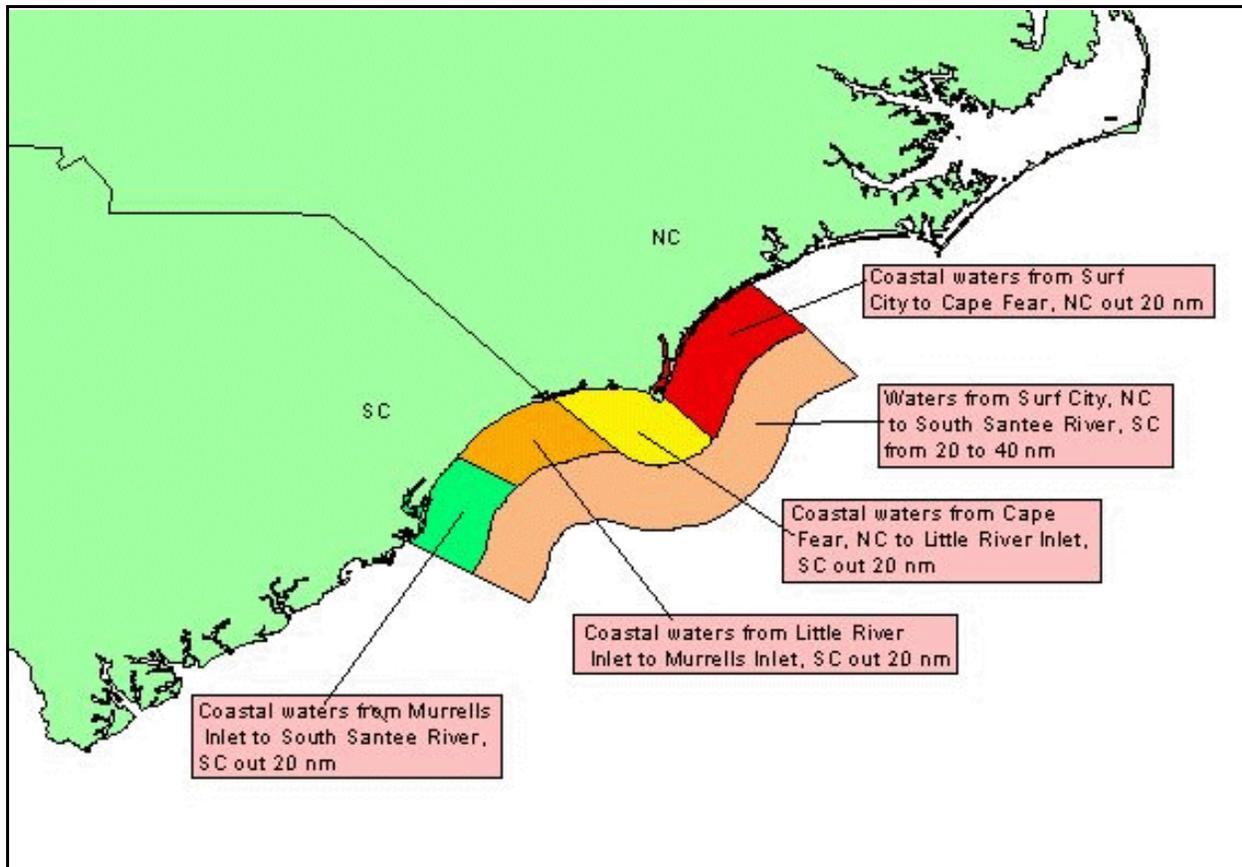


MOREHEAD CITY, NC (MHX) FZUS52 KMHX
AREA OF RESPONSIBILITY BOUNDARIES

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

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

MARINE ZONES FOR WFO WILMINGTON, NC



WILMINGTON, NC (ILM) FZUS52 KILM

AREA OF RESPONSIBILITY BOUNDARIES

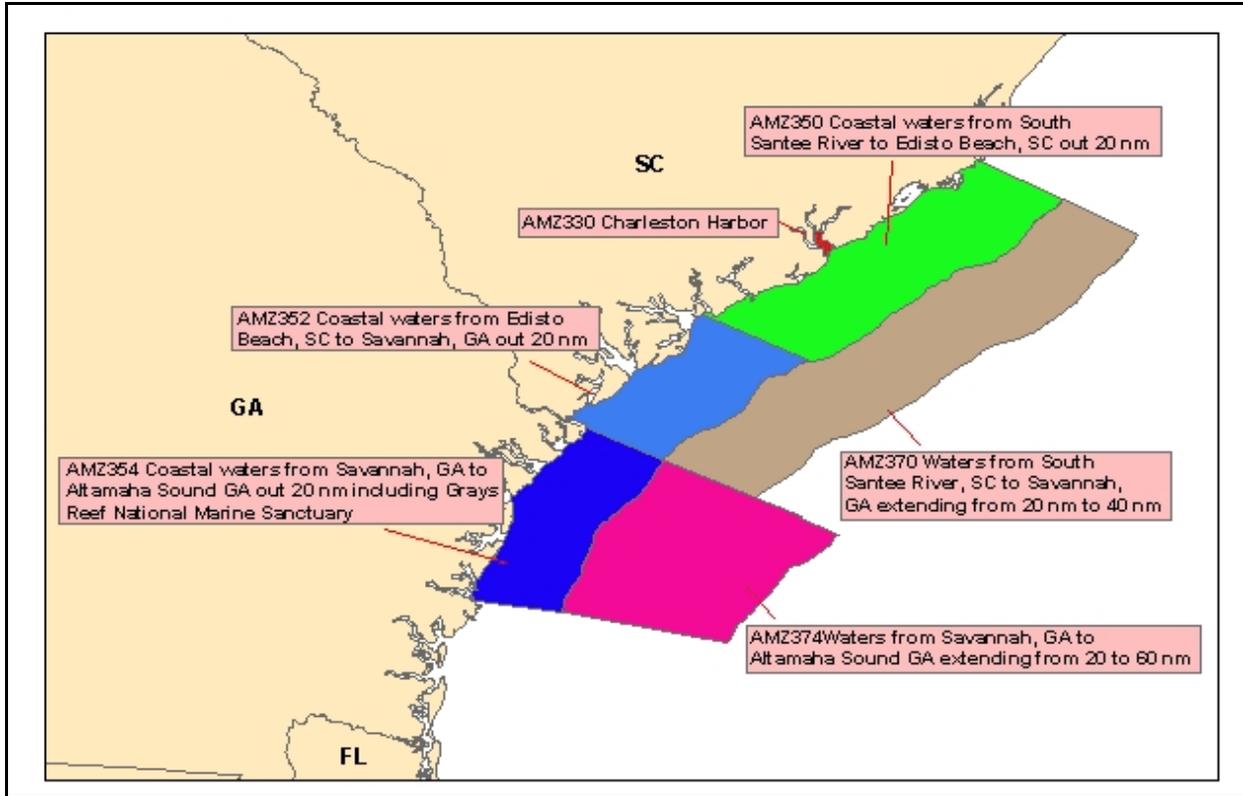
Pender-Onslow, NC, county line to Georgetown-Charleston, SC, county line out 20 NM (40 NM for Special Marine Warnings)

- AMZ200 Synopsis for Surf City NC to South Santee River SC out 20 NM
- AMZ250 Coastal waters from Surf City to Cape Fear NC out 20 NM
- AMZ252 Coastal waters from Cape Fear NC to Little River Inlet SC out 20 NM
- AMZ254 Coastal waters from Little River Inlet to Murrells Inlet SC out 20 NM
- AMZ256 Coastal waters from Murrells Inlet to South Santee River SC out 20 NM

AMZ270* *Waters from Surf City NC to South Santee River SC from 20 to 40 NM

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO CHARLESTON, SC



CHARLESTON, SC (CHS) FZUS52 KCHS

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

AMZ300 Synopsis for South Santee River SC to Savannah GA out 20 NM and Savannah GA to Altamaha Sound GA out 60 NM...including Charleston Harbor and Grays Reef National Marine Sanctuary.

AMZ350 Coastal waters from South Santee River to Edisto Beach SC out 20 NM

AMZ352 Coastal waters from Edisto Beach SC to Savannah GA out 20 NM

AMZ330 Charleston Harbor

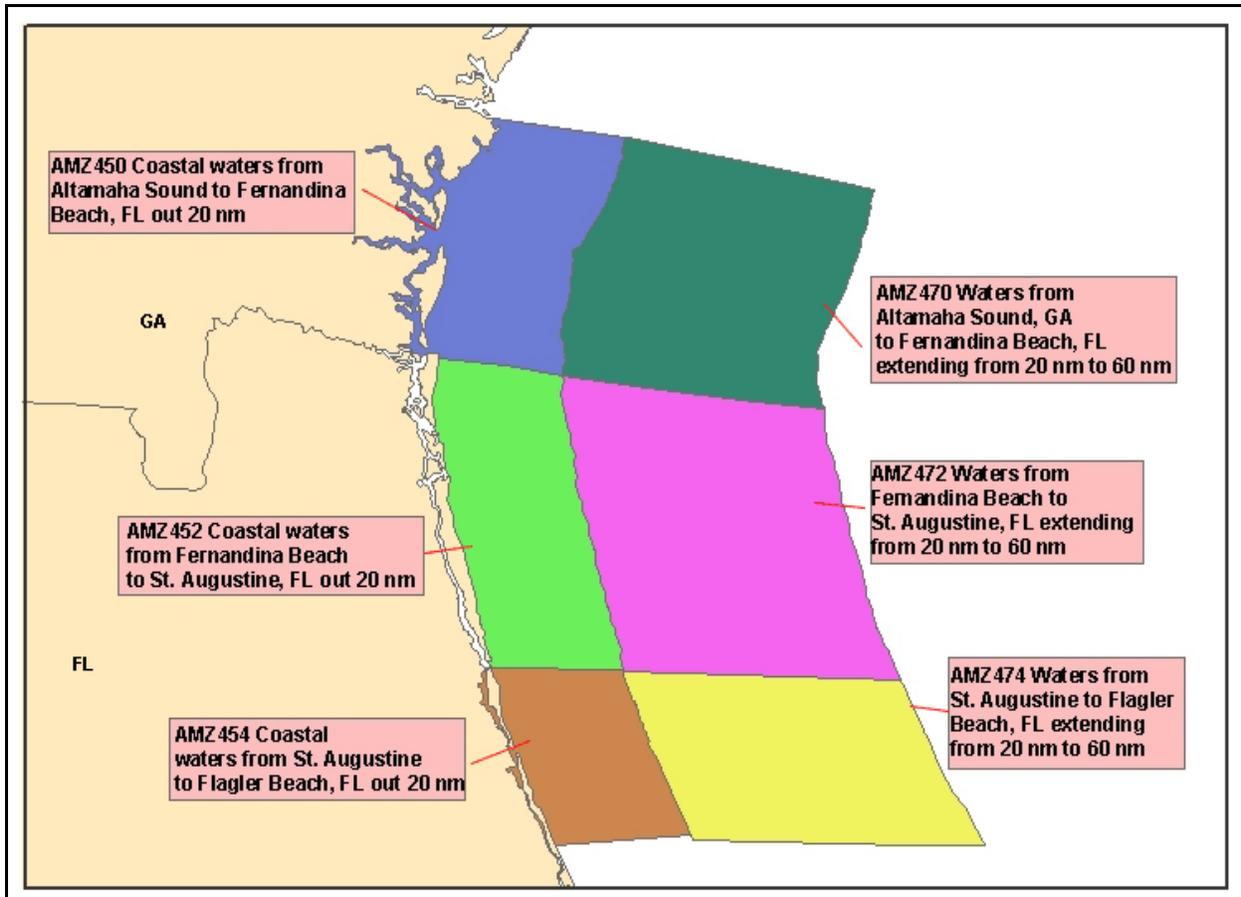
AMZ370* *Waters from South Santee River SC to Savannah GA from 20 to 40 NM

AMZ354 Coastal waters from Savannah to Altamaha Sound GA out 20 NM...including Grays Reef National Marine Sanctuary

AMZ374 Waters from Savannah to Altamaha Sound GA from 20 to 60 NM

* - For Special Marine Warning purposes only.

MARINE ZONES FOR WFO JACKSONVILLE, FL



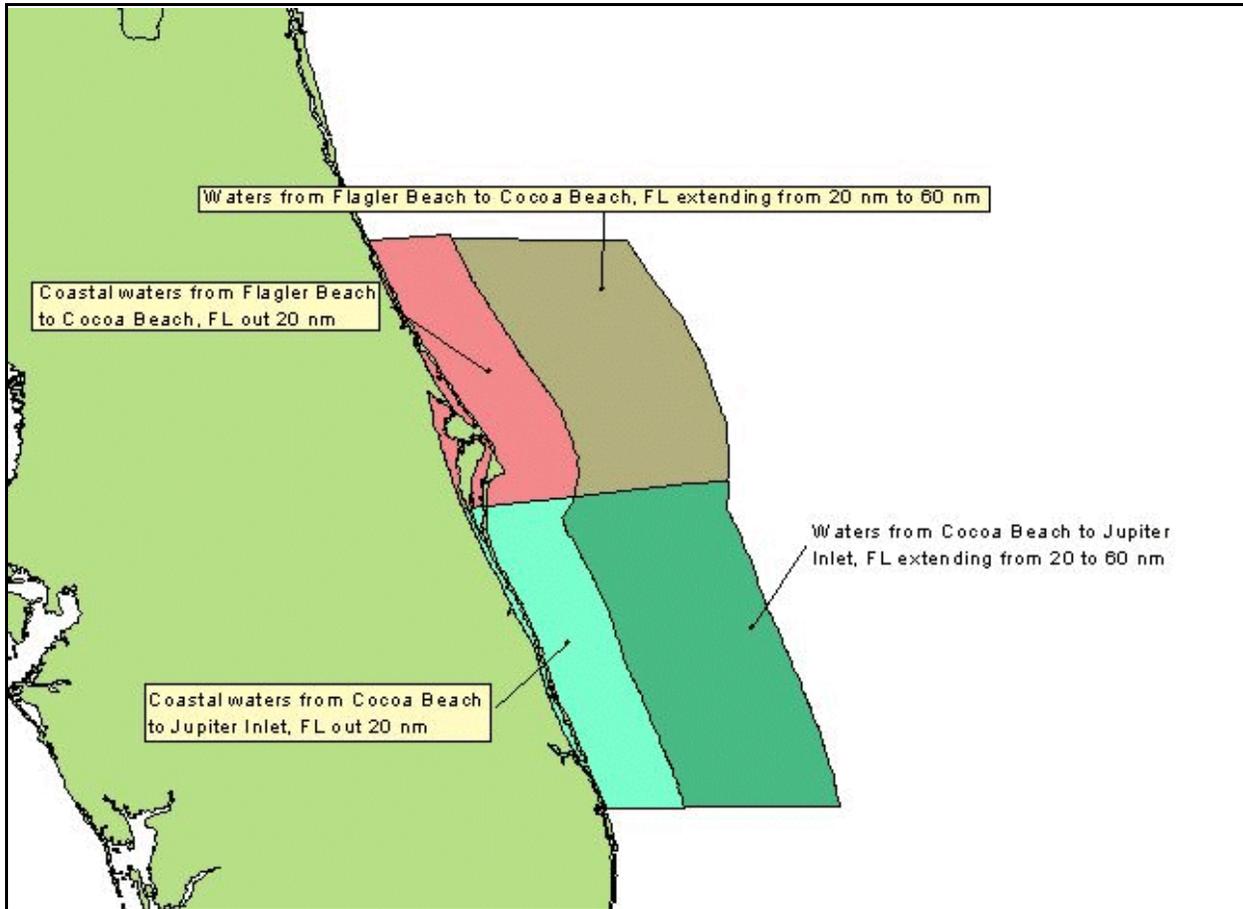
JACKSONVILLE, FL (JAX) FZUS52 KJAX

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



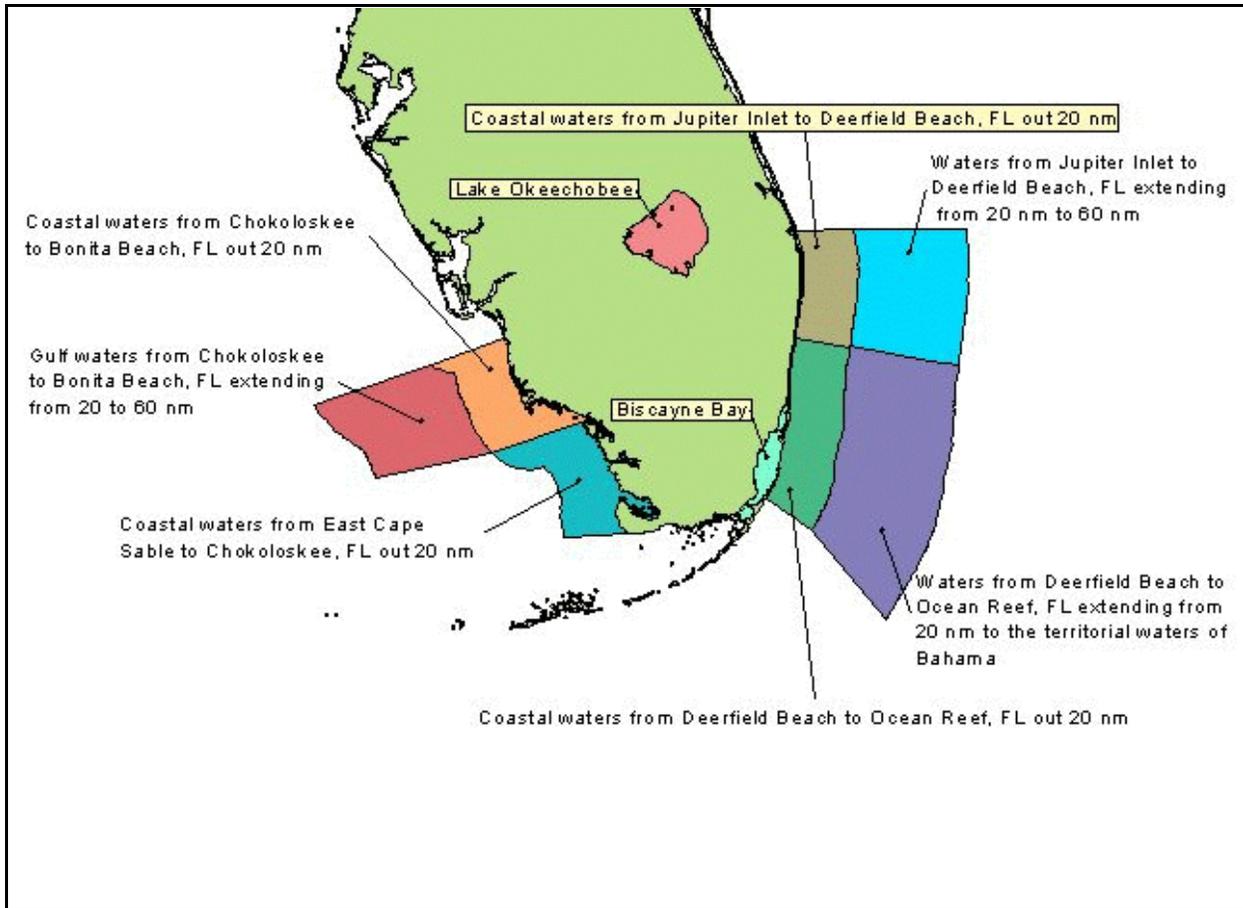
MELBOURNE, FL (MLB) FZUS52 KMLB

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 Coastal waters from Flagler Beach to Cocoa Beach FL out 20 NM
- AMZ570 Waters from Flagler Beach to Cocoa Beach FL from 20 to 60 NM
- AMZ555 Coastal waters from Cocoa Beach to Jupiter Inlet FL out 20 NM
- AMZ575 Waters from Cocoa Beach to Jupiter Inlet FL from 20 to 60 NM

MARINE ZONES FOR WFO MIAMI, FL



MIAMI, FL (MFL) FZUS52 KMFL

AREA OF RESPONSIBILITY BOUNDARIES

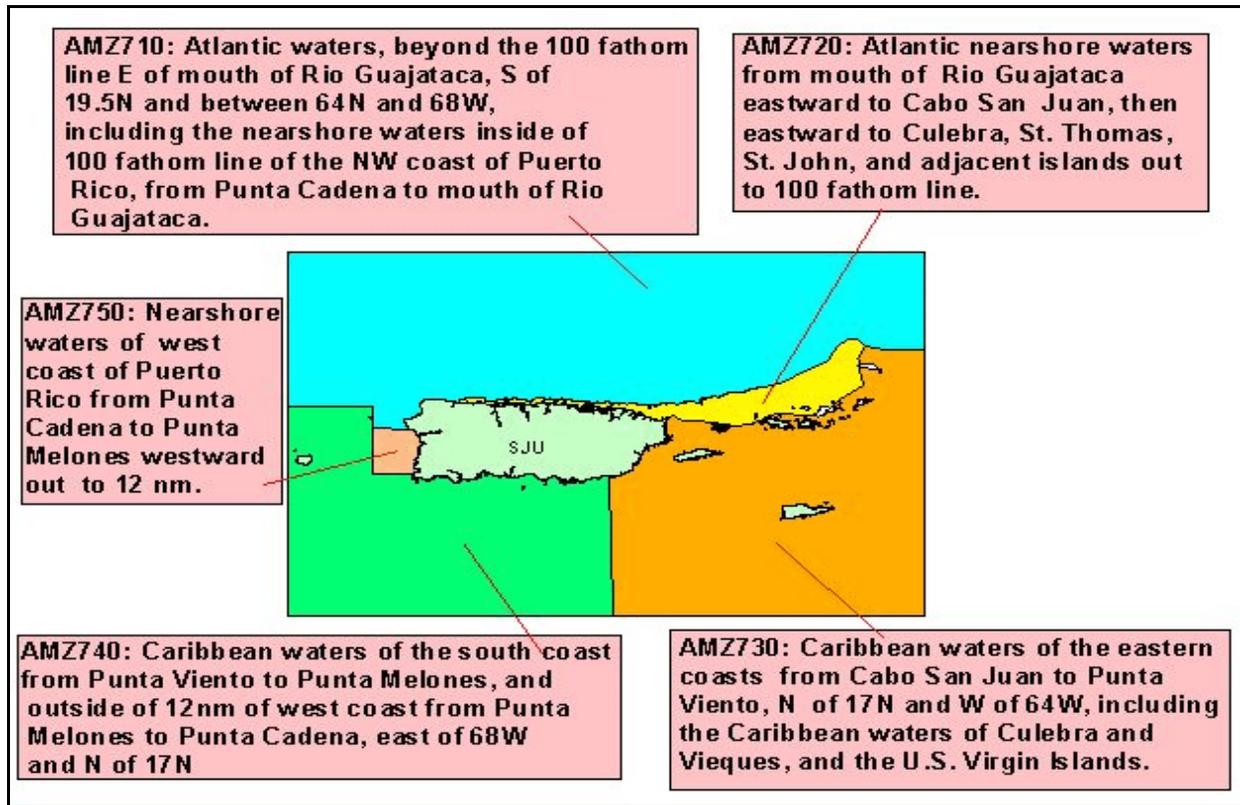
Martin-Palm Beach, FL, county line to Lee-Collier, FL, county line, excluding Florida Bay and the Keys, out 60 NM

- 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 NM to 60 NM excluding the territorial waters of the Bahamas

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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) FZCA52 TJSJ

AREA OF RESPONSIBILITY BOUNDARIES

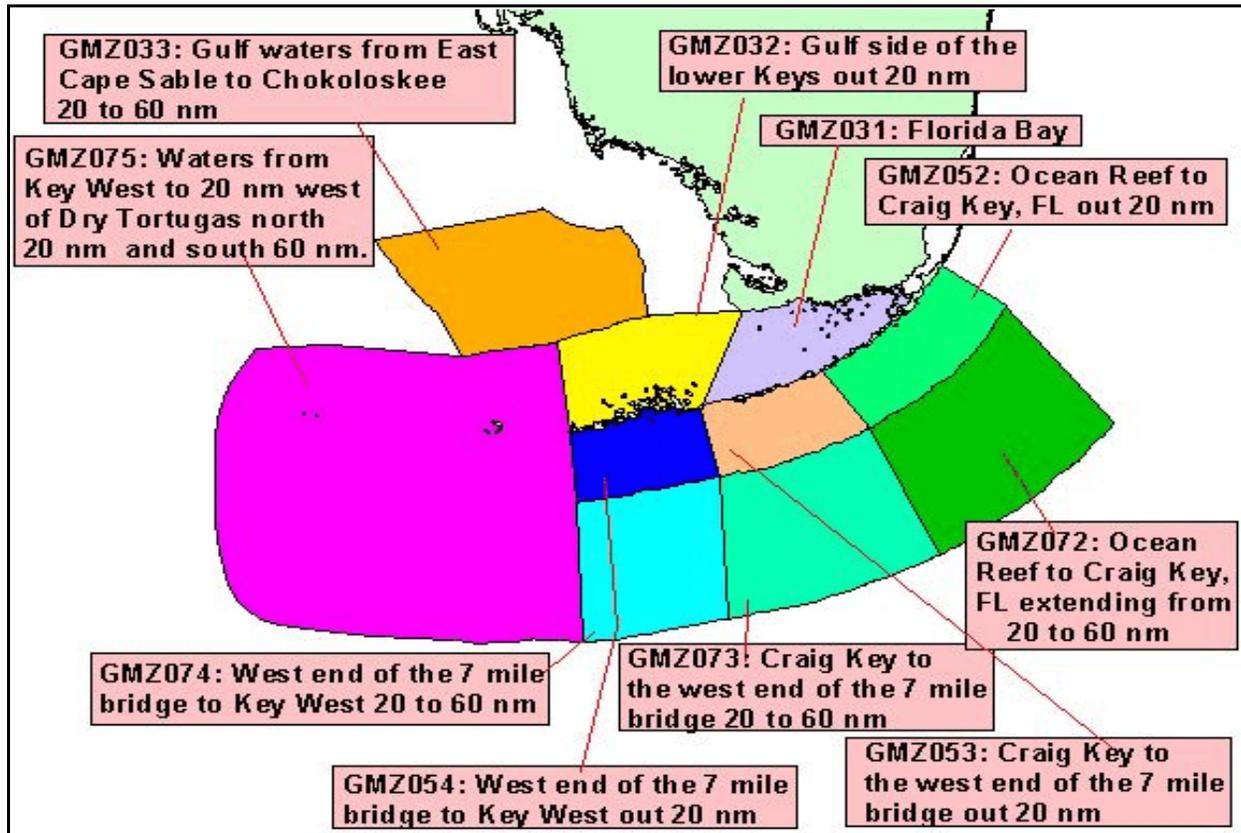
Puerto Rico and U.S. Virgin Islands Waters

- AMZ700 Synopsis for PR and U.S. Virgin Islands coastal waters
- AMZ710 Atlantic waters, northward to 19.5N and between 68W and 64W from northwest coast of Puerto Rico at Punta Cadena eastward to mouth of Rio Guajataca extending beyond 100 fathom line to the Anegada Passage
- AMZ720 Atlantic nearshore waters from mouth of Rio Guajataca eastward to Cabo San Juan then eastward to Culebra St. Thomas St. John and adjacent islands out to 100 fathom line
- AMZ730 Caribbean Waters from Punta Viento north to Cabo San Juan extending southward to 17N and eastward to 64W including the Caribbean waters of Culebra and Vieques and of the U.S. Virgin Islands
- AMZ740 Caribbean Waters from Punta Viento to Punta Melones and the waters outside of 12 NM from Punta Melones to Punta Cadena, extending southward to 17N and westward to 68W

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AMZ750 Nearshore waters of west coast of Puerto Rico from Punta Cadena to Punta
Melones westward out 12 NM

MARINE ZONES FOR WFO KEY WEST, FL



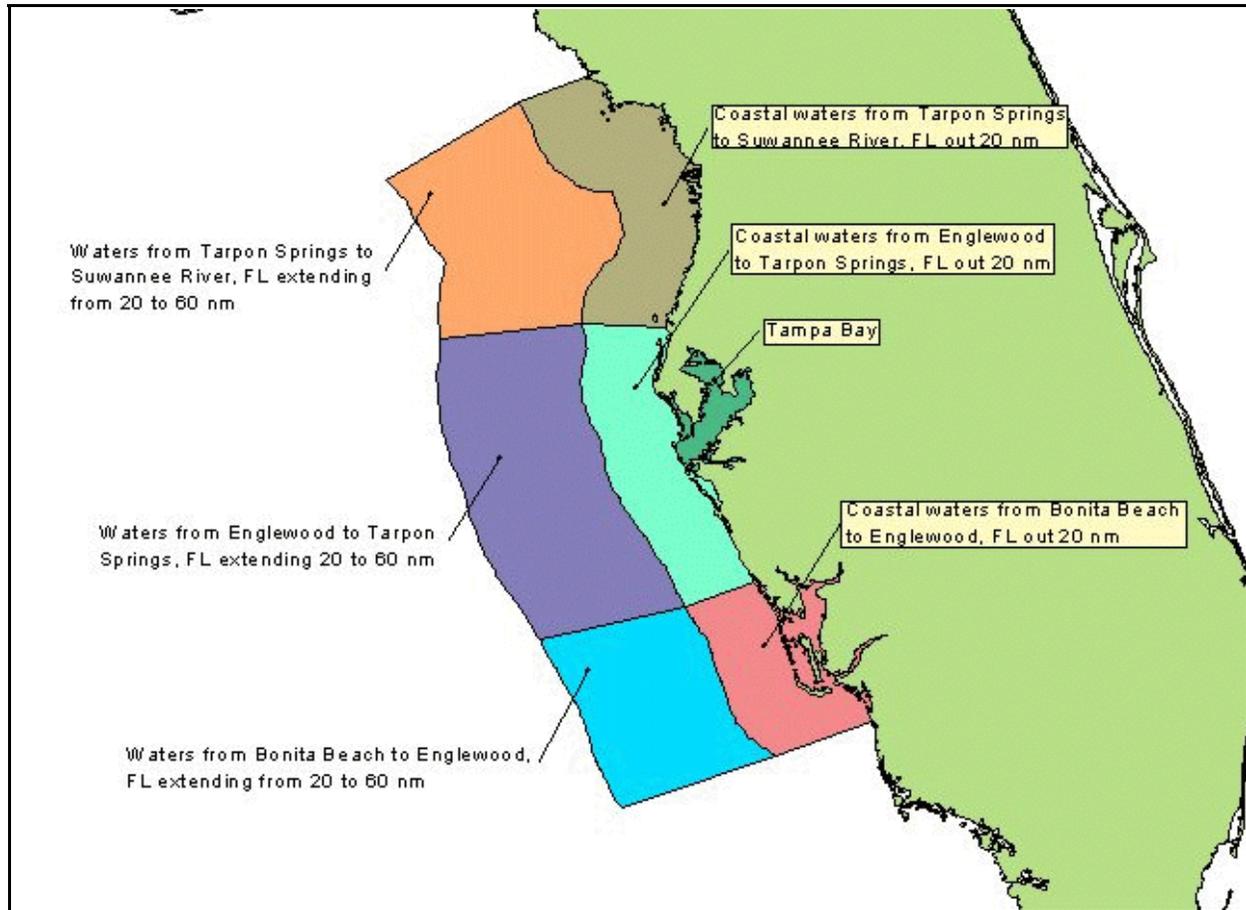
KEY WEST, FL (EYW) FZUS52 KEYW

AREA OF RESPONSIBILITY BOUNDARIES

Florida Bay and the Keys

- GMZ005 Synopsis for Florida Bay and the Keys
- GMZ052 Ocean Reef to Craig Key FL out 20 NM
- GMZ072 Ocean Reef to Craig Key FL from 20 to 60 NM
- GMZ031 Florida Bay
- GMZ032 Gulf side of the lower Keys out 20 NM
- GMZ053 Craig Key to the west end of 7 mile bridge FL out 20 NM
- GMZ073 Craig Key to the west end of 7 mile bridge FL from 20 to 60 NM
- GMZ054 West end of 7 mile bridge to Key West FL out 20 NM
- GMZ074 West end of 7 mile bridge to Key West FL from 20 to 60 NM
- GMZ075 Waters from Key West FL to 20 NM west of Dry Tortugas north 20 NM and south 60 NM
- GMZ033 Gulf waters from East Cape Sable to Chokoloskee FL from 20 to 60 NM

MARINE ZONES FOR WFO TAMPA, FL



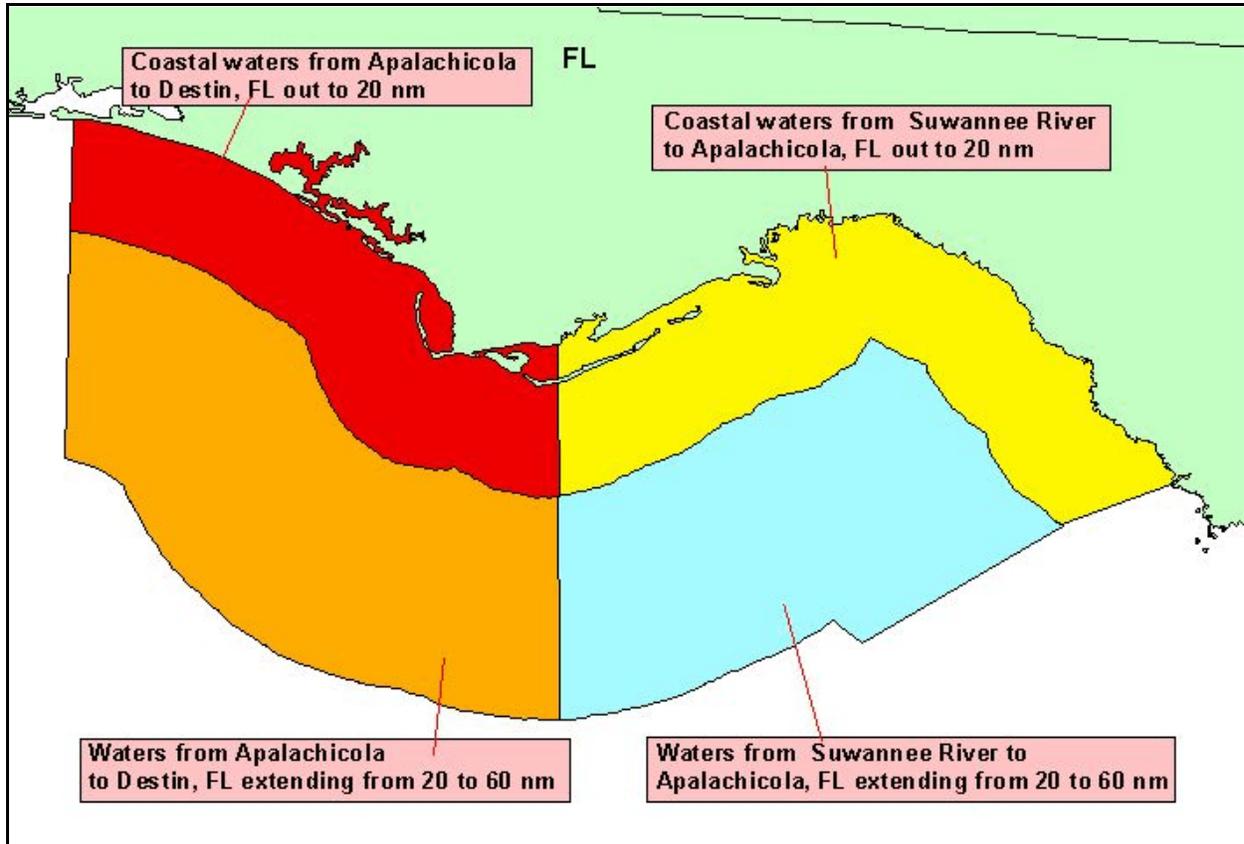
TAMPA, FL (TBW) FZUS52 KTBW

AREA OF RESPONSIBILITY BOUNDARIES

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

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

MARINE ZONES FOR WFO TALLAHASSEE, FL



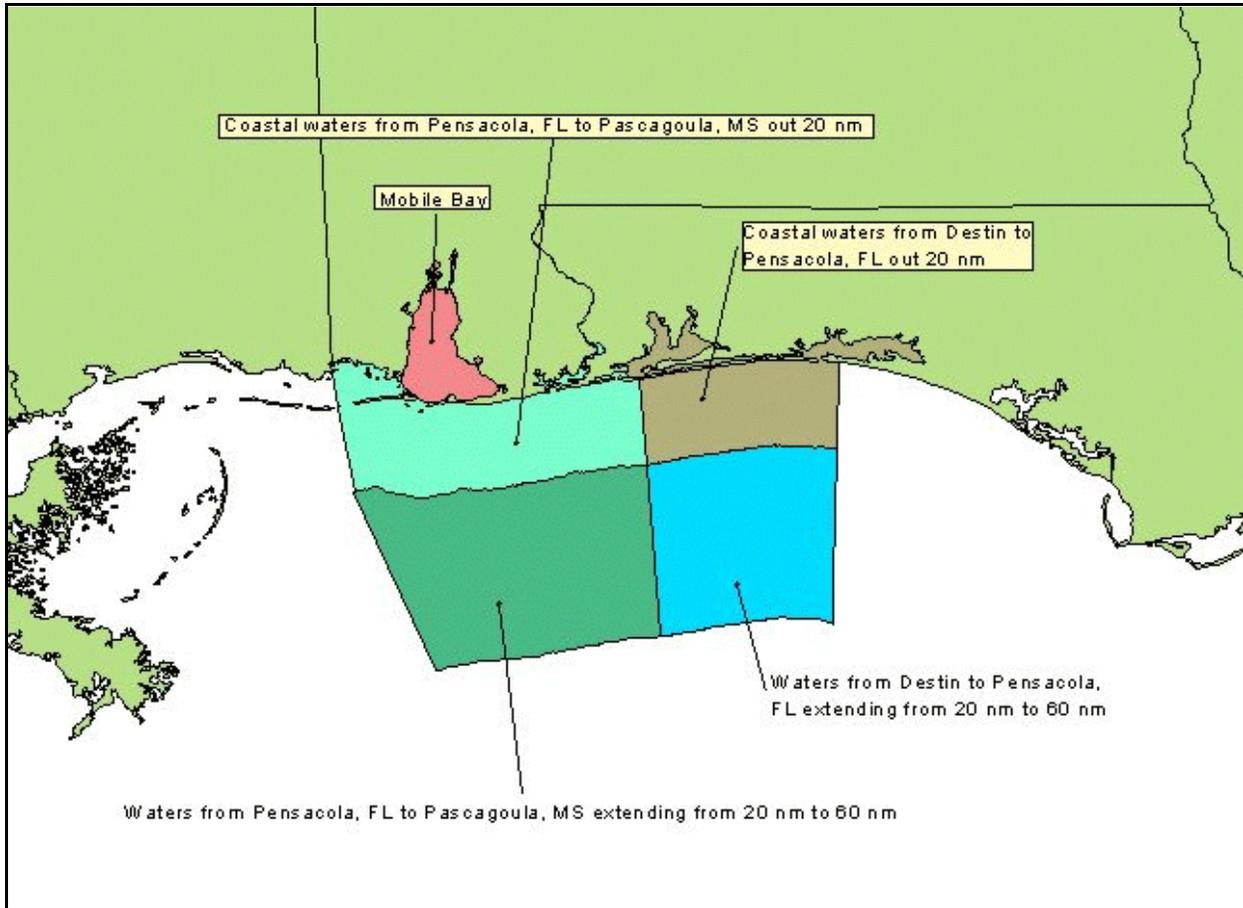
TALLAHASSEE, FL (TAE) FZUS52 KTAE

AREA OF RESPONSIBILITY BOUNDARIES

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

- GMZ700 Synopsis for Suwannee River to Destin FL out 60 NM
- GMZ755 Coastal waters from Suwannee River to Apalachicola FL out 20 NM
- GMZ775 Waters from Suwannee River to Apalachicola FL from 20 to 60 NM
- GMZ750 Coastal waters from Apalachicola to Destin FL out 20 NM
- GMZ770 Waters from Apalachicola to Destin FL from 20 to 60 NM

MARINE ZONES FOR WFO MOBILE, AL



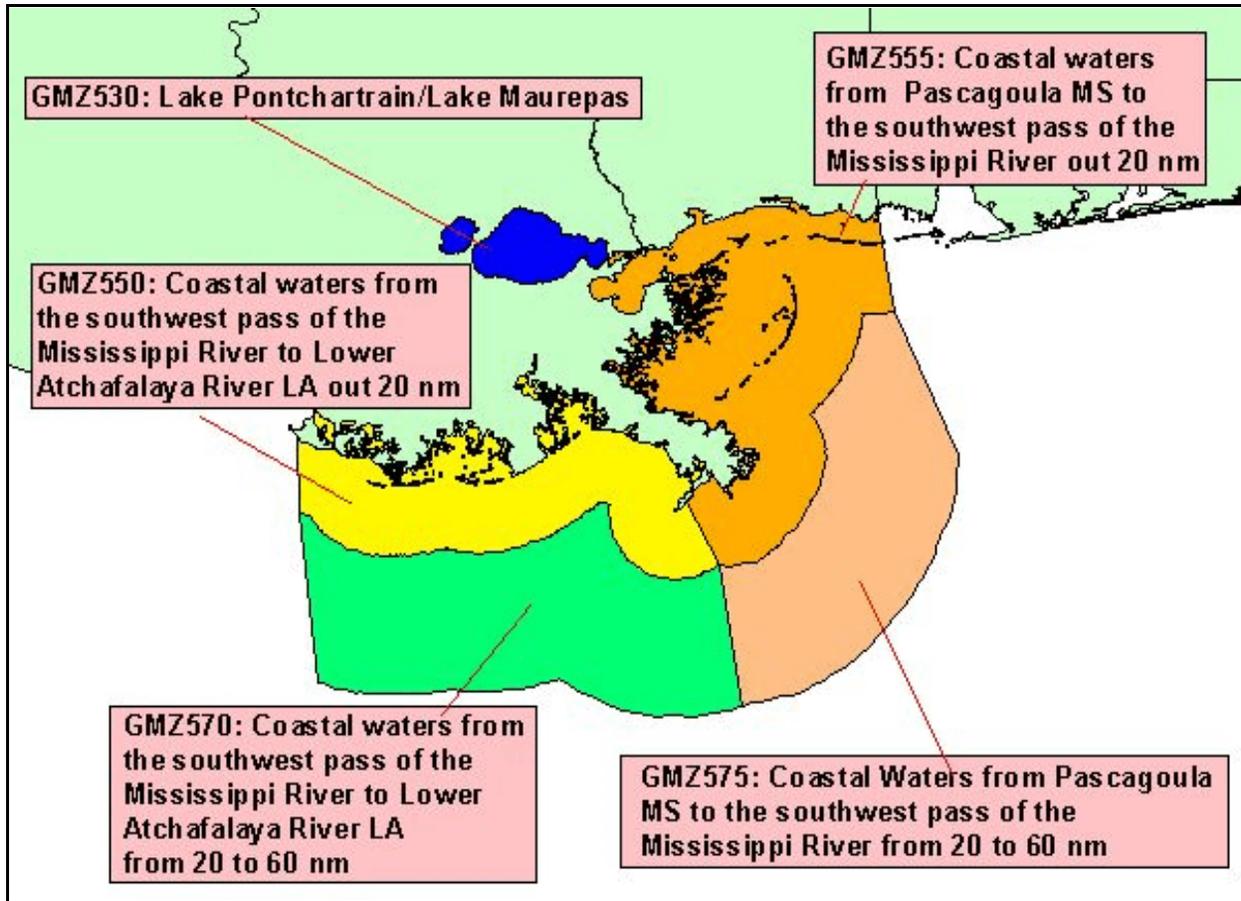
MOBILE, AL (MOB) FZUS54 KMOB

AREA OF RESPONSIBILITY BOUNDARIES

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

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

MARINE ZONES FOR WFO SLIDELL, LA



SLIDELL, LA (LIX) FZUS54 KLIX

AREA OF RESPONSIBILITY BOUNDARIES

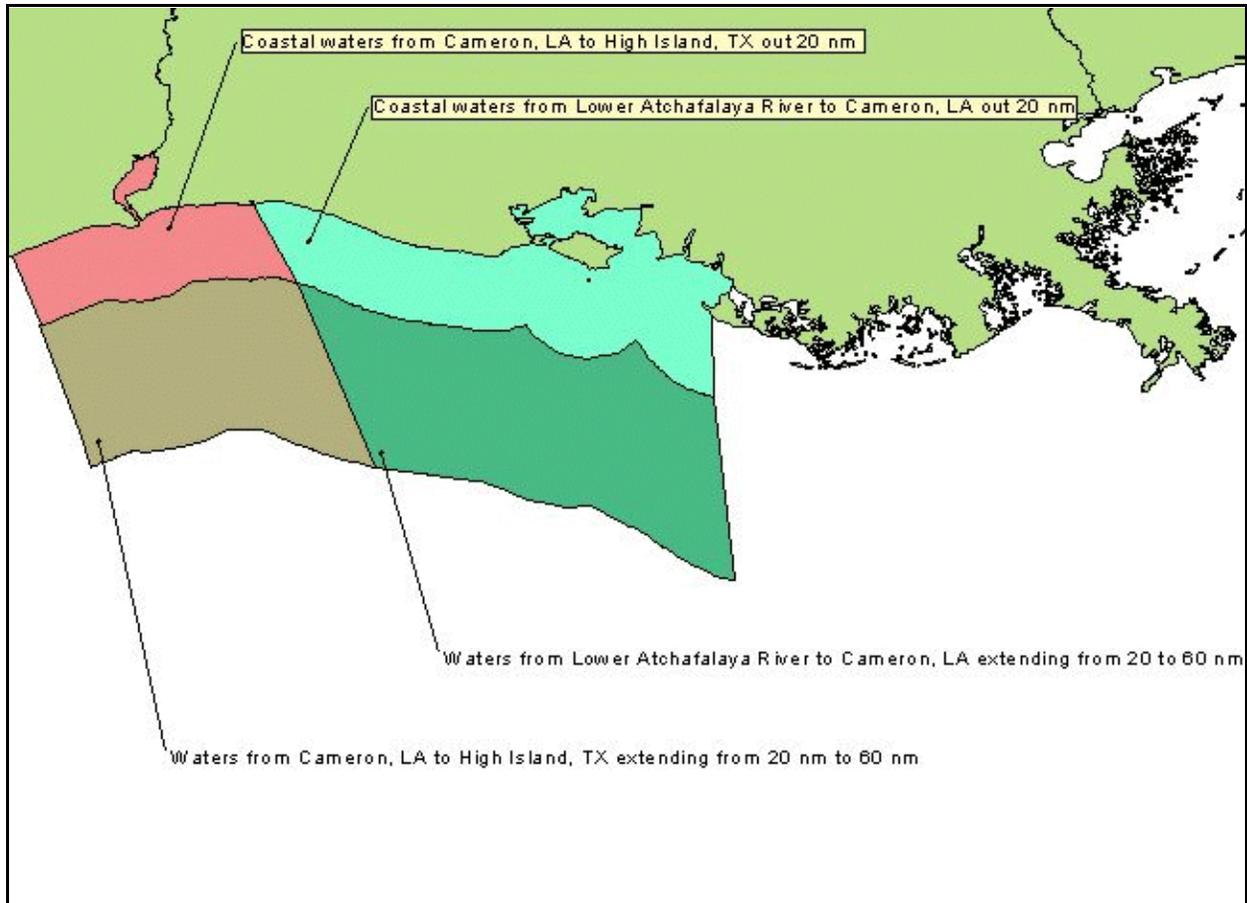
Alabama-Mississippi state line to Terrebone-St. Mary parish line out 60 NM

- GMZ500 Synopsis for Pascagoula MS to Southwest Pass of the Mississippi River out 60 NM including Lakes Ponchartrain and Maurepas
- GMZ501 Synopsis for Southwest Pass of the Mississippi River to Atchafalaya River LA out 60 NM
- GMZ530 Lake Ponchartrain/Lake Maurepas
- GMZ555 Coastal waters from Pascagoula MS to the Southwest Pass of the Mississippi River out 20 NM
- GMZ575 Coastal waters from Pascagoula MS to the Southwest Pass of the Mississippi River from 20 to 60 NM

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- GMZ550 Coastal waters from the Southwest Pass of the Mississippi River to Lower Atchafalaya River LA out 20 NM
- GMZ570 Coastal waters from the Southwest Pass of the Mississippi River to Lower Atchafalaya River LA from 20 to 60 NM

MARINE ZONES FOR WFO LAKE CHARLES, LA



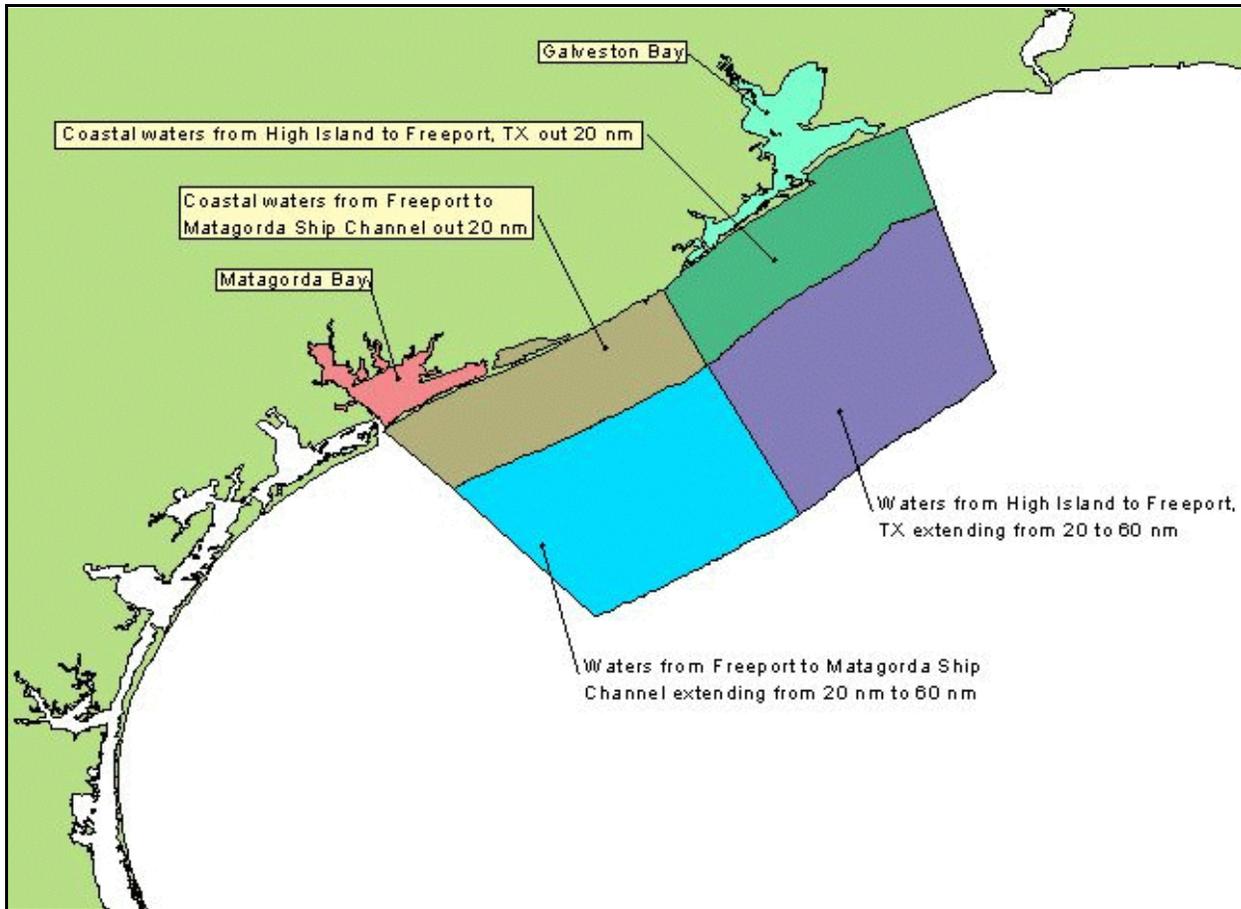
LAKE CHARLES, LA (LCH) FZUS54 KLCH

AREA OF RESPONSIBILITY BOUNDARIES

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

- GMZ400 Synopsis for Atchafalaya River LA to High Island TX out 60 NM
- GMZ455 Coastal waters from Lower Atchafalaya River to Cameron LA out 20 NM
- GMZ475 Waters for Lower Atchafalaya River 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

MARINE ZONES FOR WFO HOUSTON-GALVESTON, TX



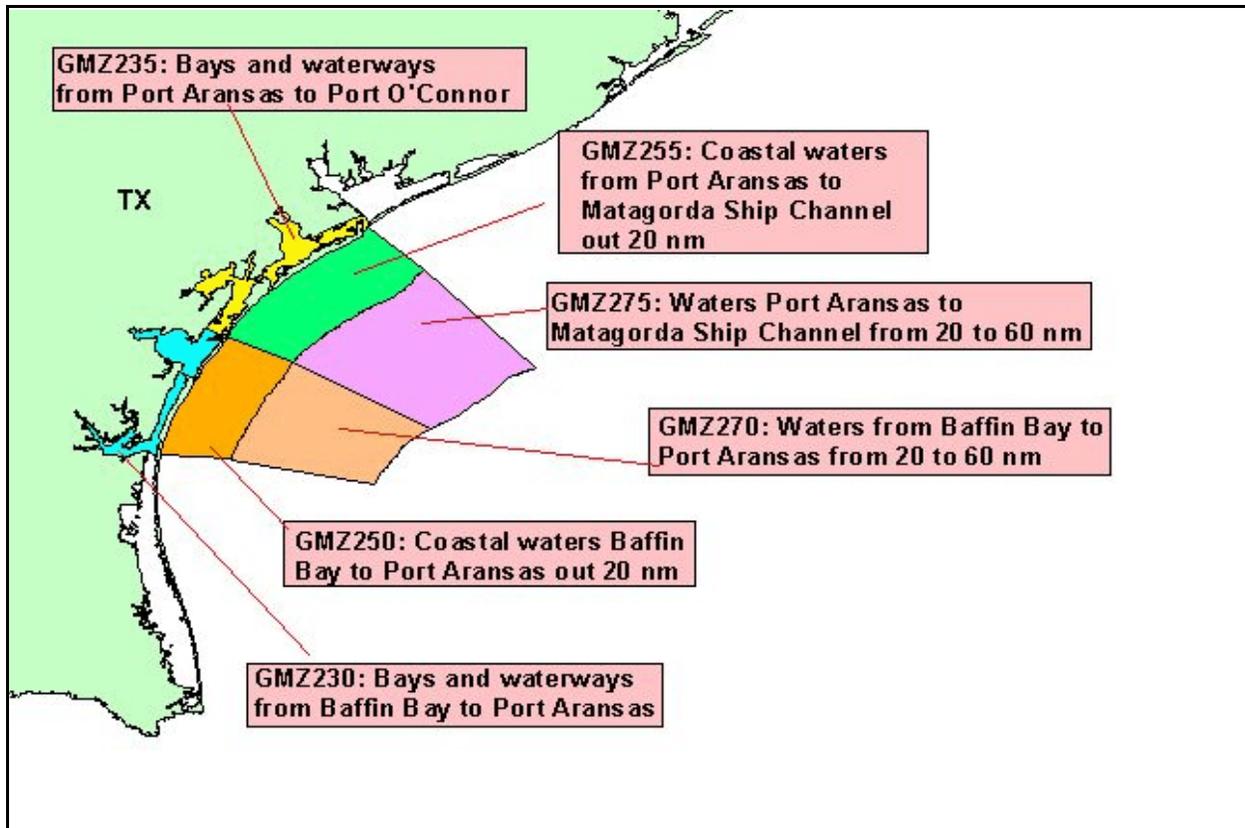
HOUSTON-GALVESTON, TX (HGX) FZUS54 KHGX

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 TX out 60 NM
- 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



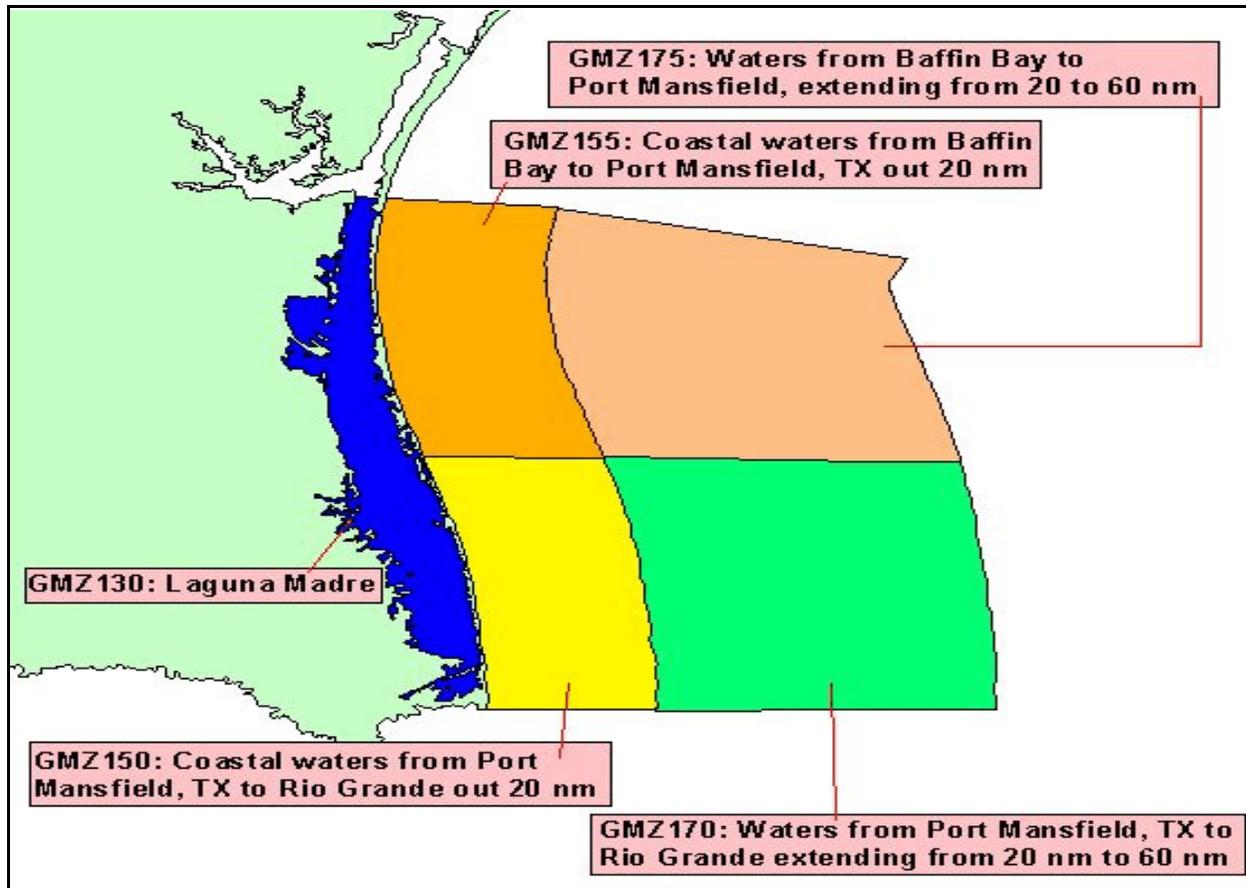
CORPUS CHRISTI, TX (CRP) FZUS54 KCRP

AREA OF RESPONSIBILITY BOUNDARIES

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

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

MARINE ZONES FOR WFO BROWNSVILLE, TX



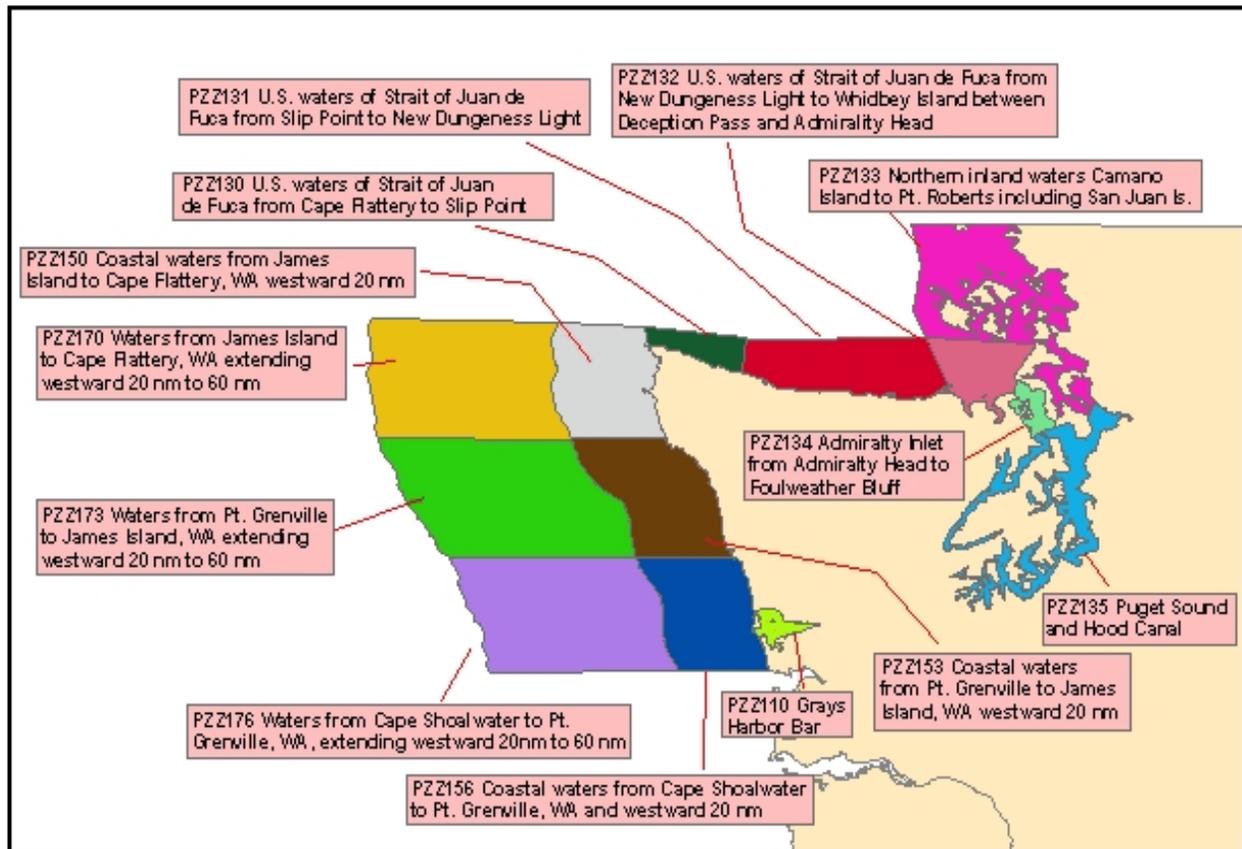
BROWNSVILLE, TX (BRO) FZUS54 KBRO

AREA OF RESPONSIBILITY BOUNDARIES

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

- GMZ100 Synopsis from Baffin Bay to Rio Grande River TX 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
- GMZ150 Coastal waters from Port Mansfield to Rio Grande River TX out 20 NM
- GMZ170 Waters from Port Mansfield to Rio Grande River TX from 20 to 60 NM

MARINE ZONES FOR WFO SEATTLE, WA - Puget Sound/Strait of Juan De Fuca

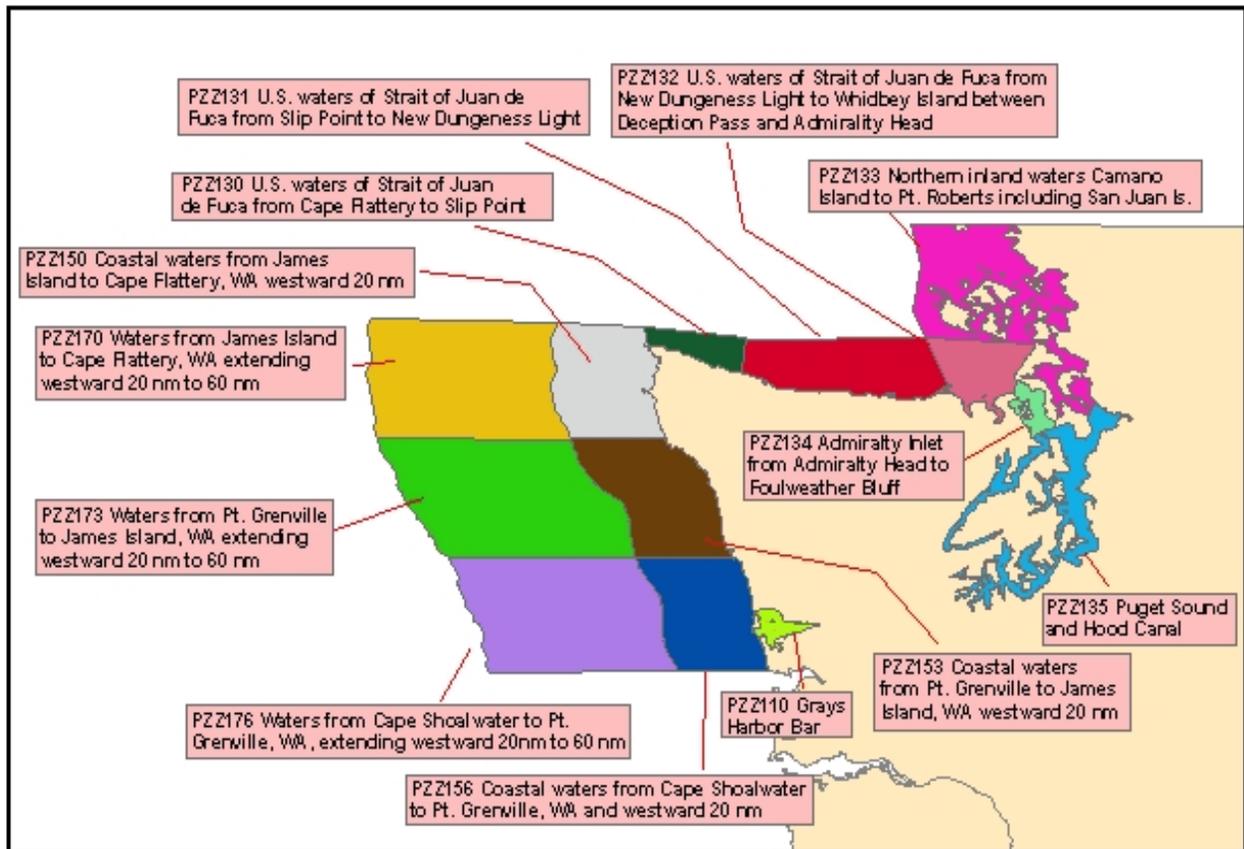


SEATTLE, WA (SEW) FZUS56 KSEW
AREA OF RESPONSIBILITY BOUNDARIES

US- Canada border to Pacific-Grays Harbor, WA, county line out 60 NM, including Strait of Juan de Fuca and Puget Sound

- PZZ100 Synopsis for Northern Washington Coast and Puget Sound
- PZZ133 Northern inland waters Camano Island to Point Roberts including San Juan Island
- PZZ135 Puget Sound and Hood Canal WA
- PZZ134 Admiralty Inlet from Admiralty Head to Foulweather Bluff WA
- PZZ132 U.S. waters of the Strait of Juan de Fuca from New Dungeness Light to Whidbey Island between Deception Pass and Admiralty Head
- PZZ131 U.S. waters of the Strait of Juan de Fuca from Slip Pt to New Dungeness Light
- PZZ130 U.S. waters of the Strait of Juan de Fuca from Cape Flattery to Slip Point

MARINE ZONES FOR WFO SEATTLE, WA - Pacific Ocean



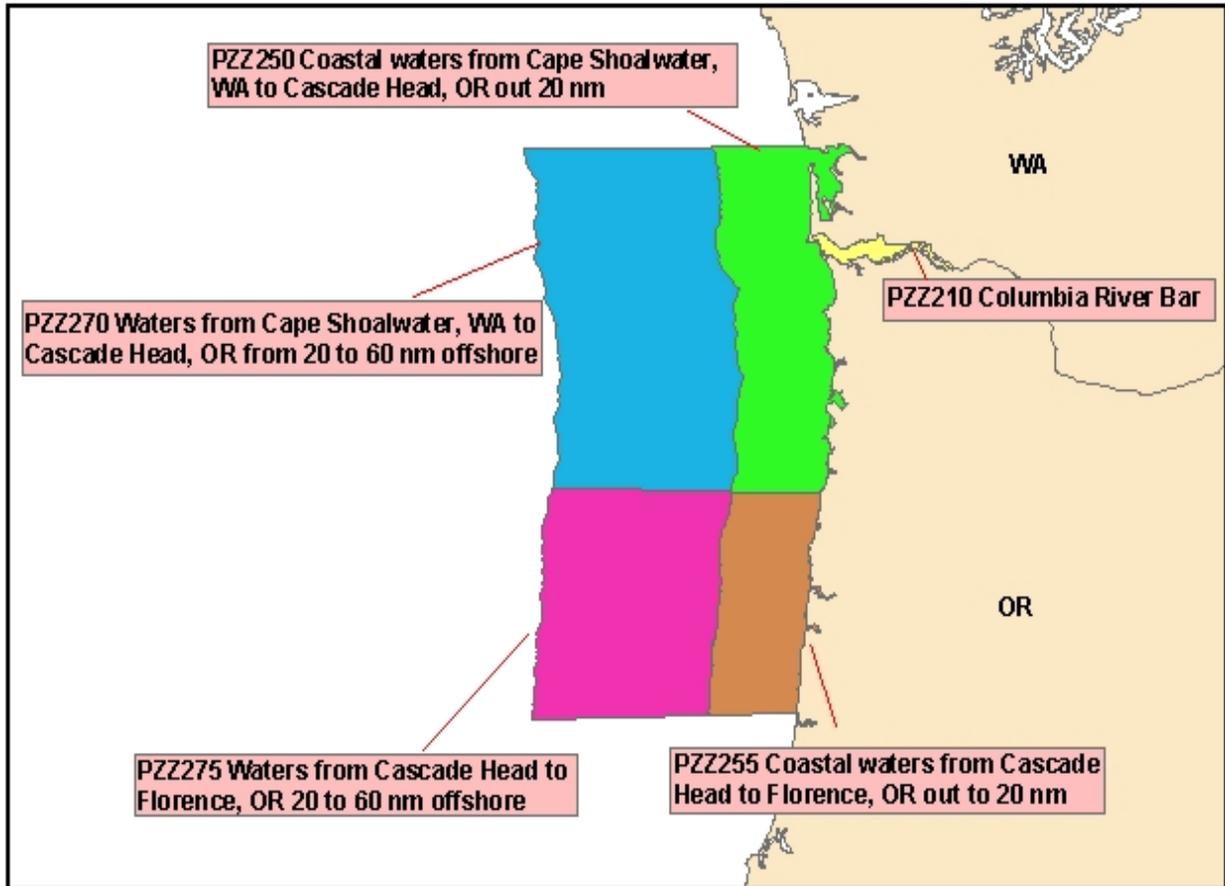
SEATTLE, WA (SEW) FZUS56 KSEW

AREA OF RESPONSIBILITY BOUNDARIES

US- Canada border to Pacific-Grays Harbor, WA, county line out 60 NM, including Strait of Juan de Fuca and Puget Sound

- PZZ150 Coastal waters from James Island to Cape Flattery WA out 20 NM
- PZZ170 Waters from James Island to Cape Flattery WA from 20 to 60 NM
- PZZ153 Coastal waters from Pt. Grenville to James Island WA out 20 NM
- PZZ173 Waters from Pt. Grenville to James Island WA from 20 to 60 NM
- PZZ156 Coastal waters from Cape Shoalwater to Pt. Grenville WA out 20 NM
- PZZ176 Waters from Cape Shoalwater to Pt. Grenville WA from 20 to 60 NM
- PZZ110 Grays Harbor Bar - Two period wave/current forecast only

MARINE ZONES FOR WFO PORTLAND, OR



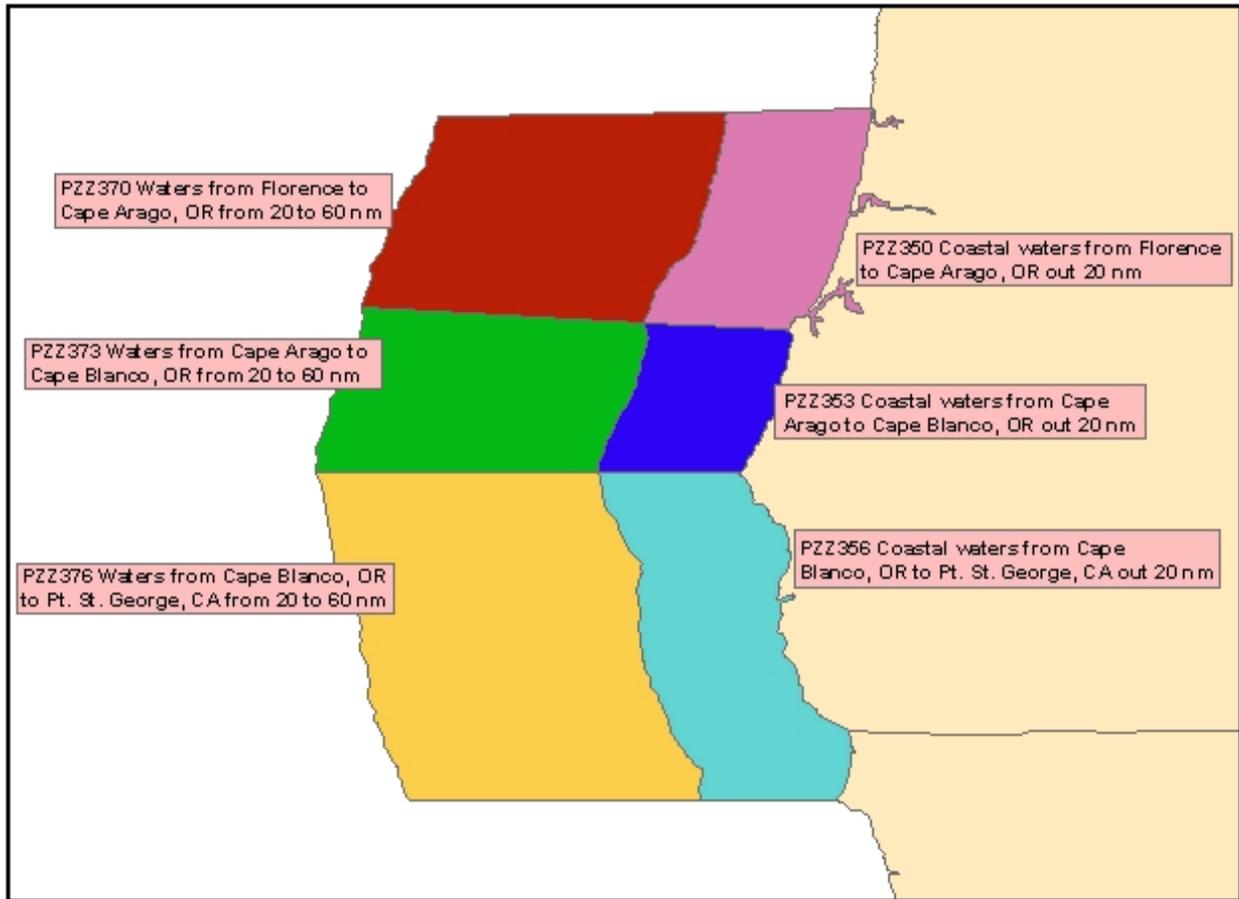
PORTLAND, OR (PQR) FZUS56 KPQR

AREA OF RESPONSIBILITY BOUNDARIES

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

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

MARINE ZONES FOR WFO MEDFORD, OR



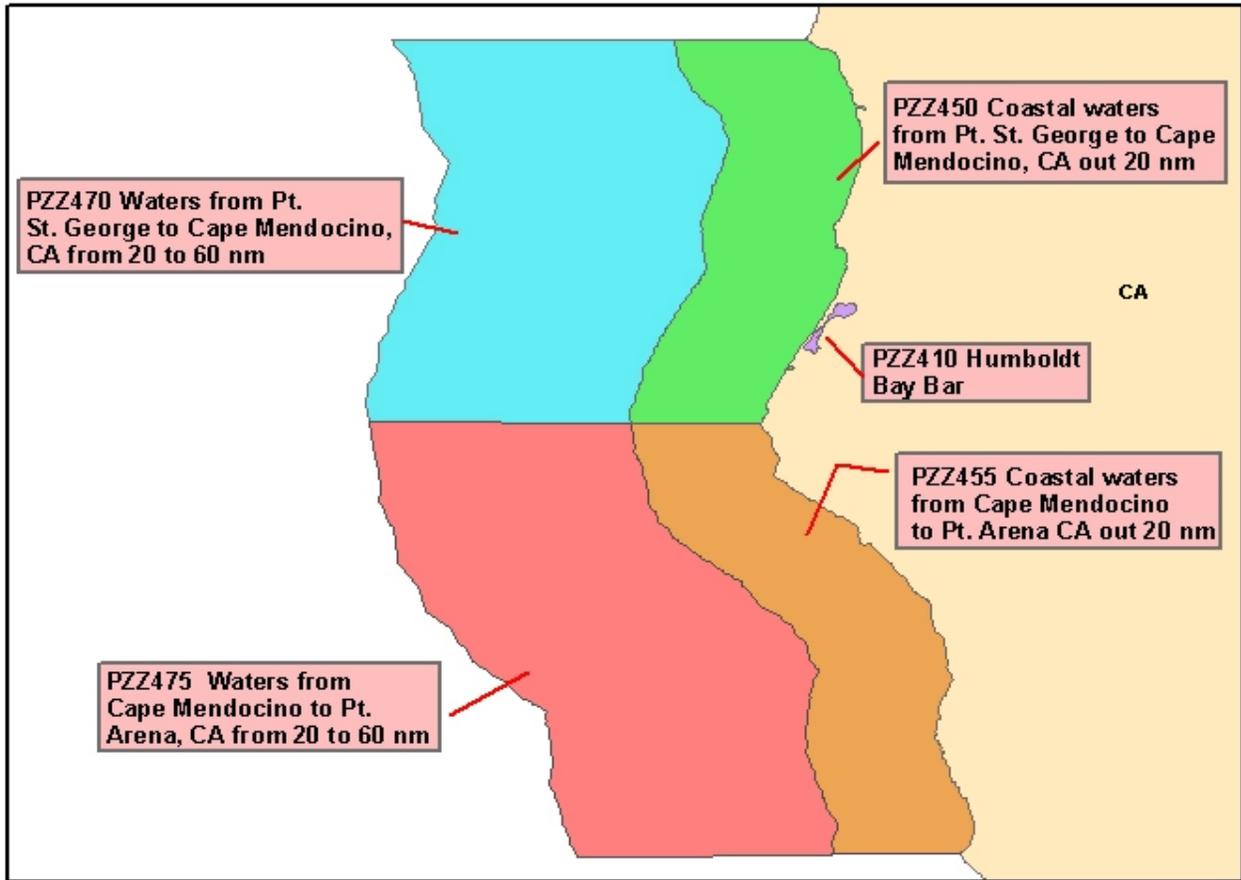
MEDFORD, OR (MFR) FZUS51 KMFR

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 Arago OR out 20 NM
- PZZ370 Waters from Florence to Cape Arago OR from 20 to 60 NM
- PZZ353 Coastal waters from Cape Arago to Cape Blanco OR out 20 NM
- PZZ373 Waters from Cape Arago to Cape Blanco OR from 20 to 60 NM
- PZZ356 Coastal waters from Cape Blanco OR to Pt. St. George CA out 20 NM
- PZZ376 Waters from Cape Blanco OR to Pt. St. George CA from 20 to 60 NM

MARINE ZONES FOR WFO EUREKA, CA



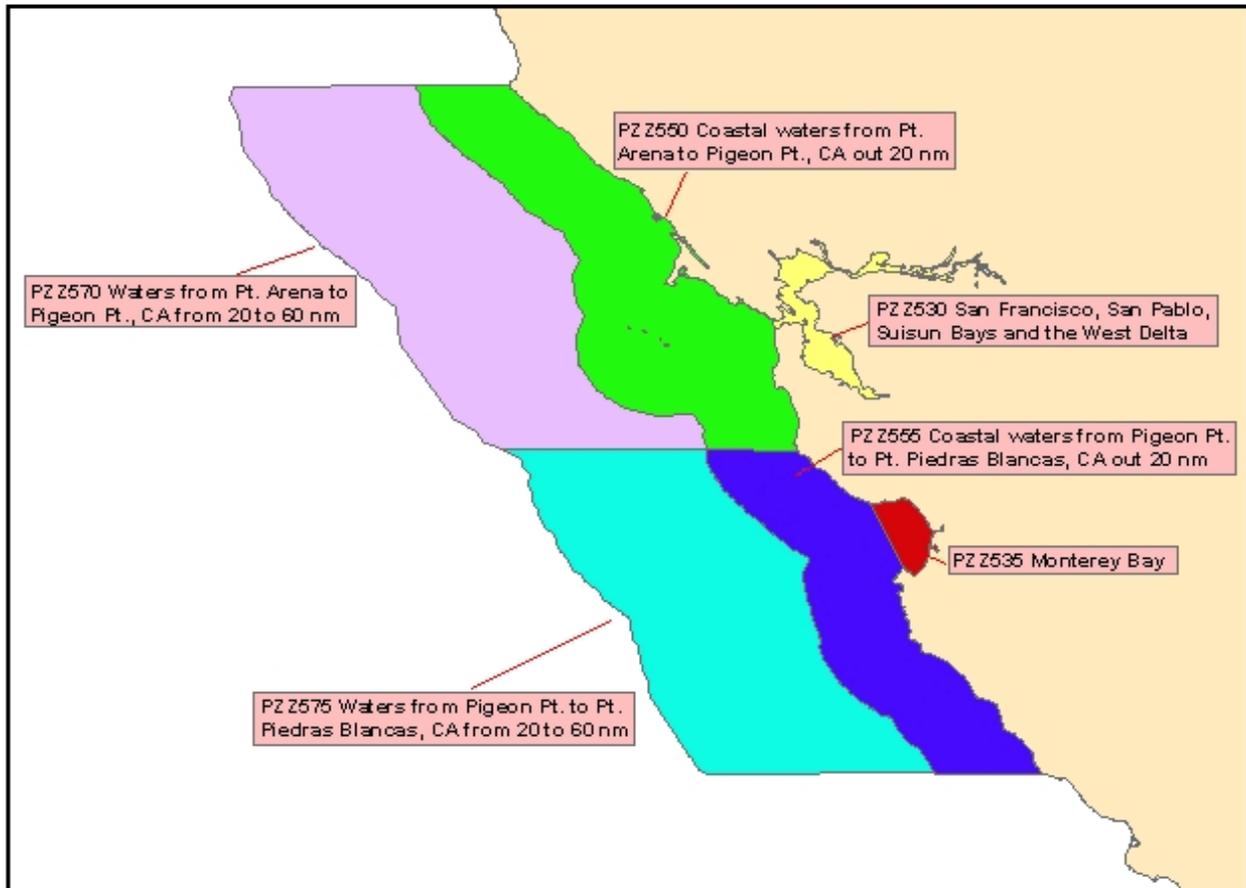
EUREKA, CA (EKA) FZUS51 KEKA

AREA OF RESPONSIBILITY BOUNDARIES

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

- PZZ400 Synopsis for Northern California Waters
- PZZ450 Coastal waters from Pt. St. George to Cape Mendocino CA out 20 NM
- PZZ470 Waters from Pt. St. George to Cape Mendocino CA from 20 to 60 NM
- PZZ455 Coastal waters from Cape Mendocino to Pt. Arena CA out 20 NM
- PZZ475 Waters from Cape Mendocino to Pt. Arena CA from 20 to 60 NM
- PZZ410 Humboldt Bay Bar - Two period wave/current forecast only

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



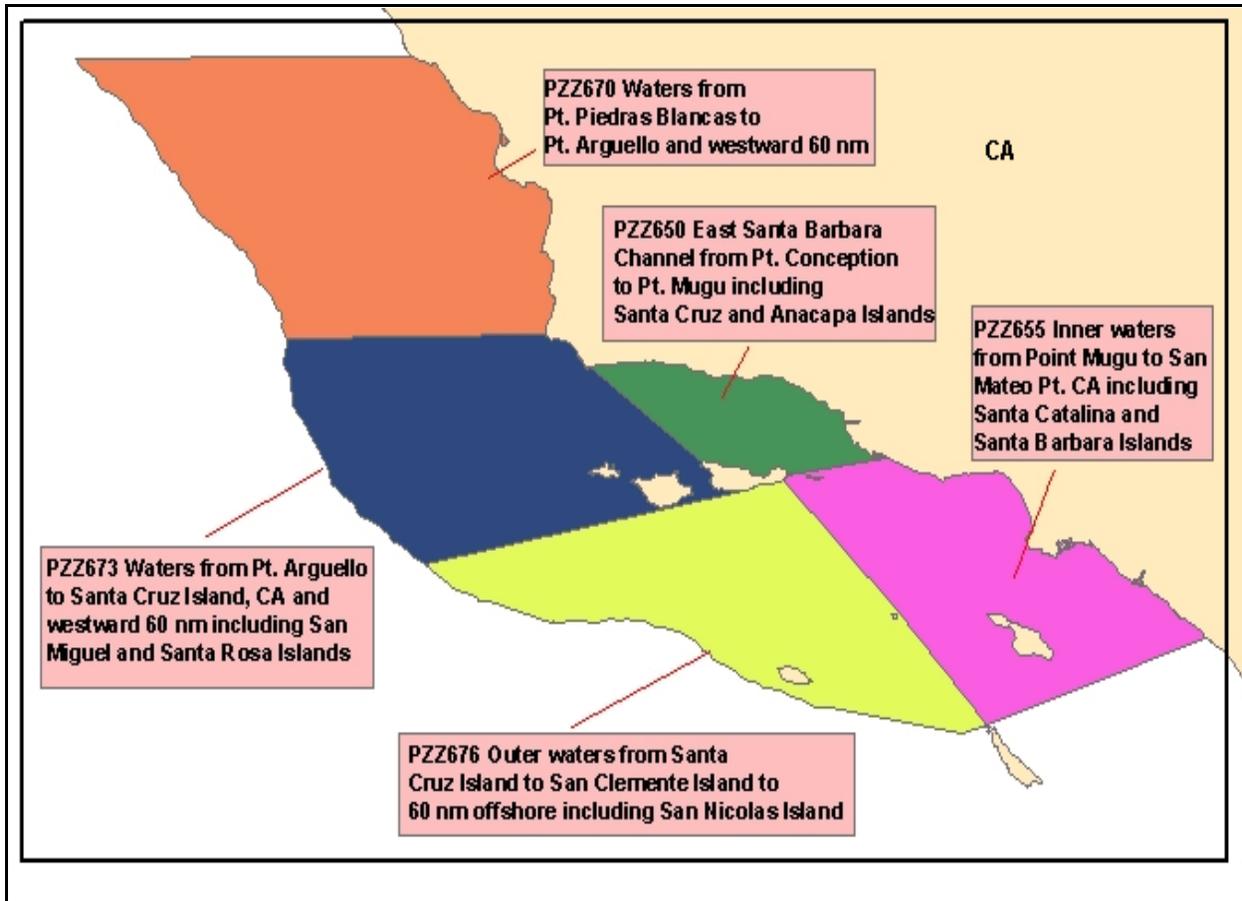
SAN FRANCISCO BAY AREA AT MONTEREY, CA (MTR) FZUS51 KMTR

AREA OF RESPONSIBILITY BOUNDARIES

Sonoma-Mendocino county line to Monterey-San Luis Obispo, CA county line out 60 NM

- PZZ500 Synopsis for Central California Coast and Bays
- PZZ550 Coastal waters from Point Arena to Pigeon Point CA out 20 NM
- PZZ570 Waters from Point Arena to Pigeon Point CA from 20 to 60 NM
- PZZ555 Coastal waters from Pigeon Point to Point Piedras Blancas CA out 20 NM
- PZZ575 Waters from Pigeon Point to Point Piedras Blancas CA from 20 to 60 NM
- PZZ535 Monterey Bay
- PZZ530 San Francisco San Pablo Suisun Bays and West Delta

MARINE ZONES FOR WFO LOS ANGELES, CA



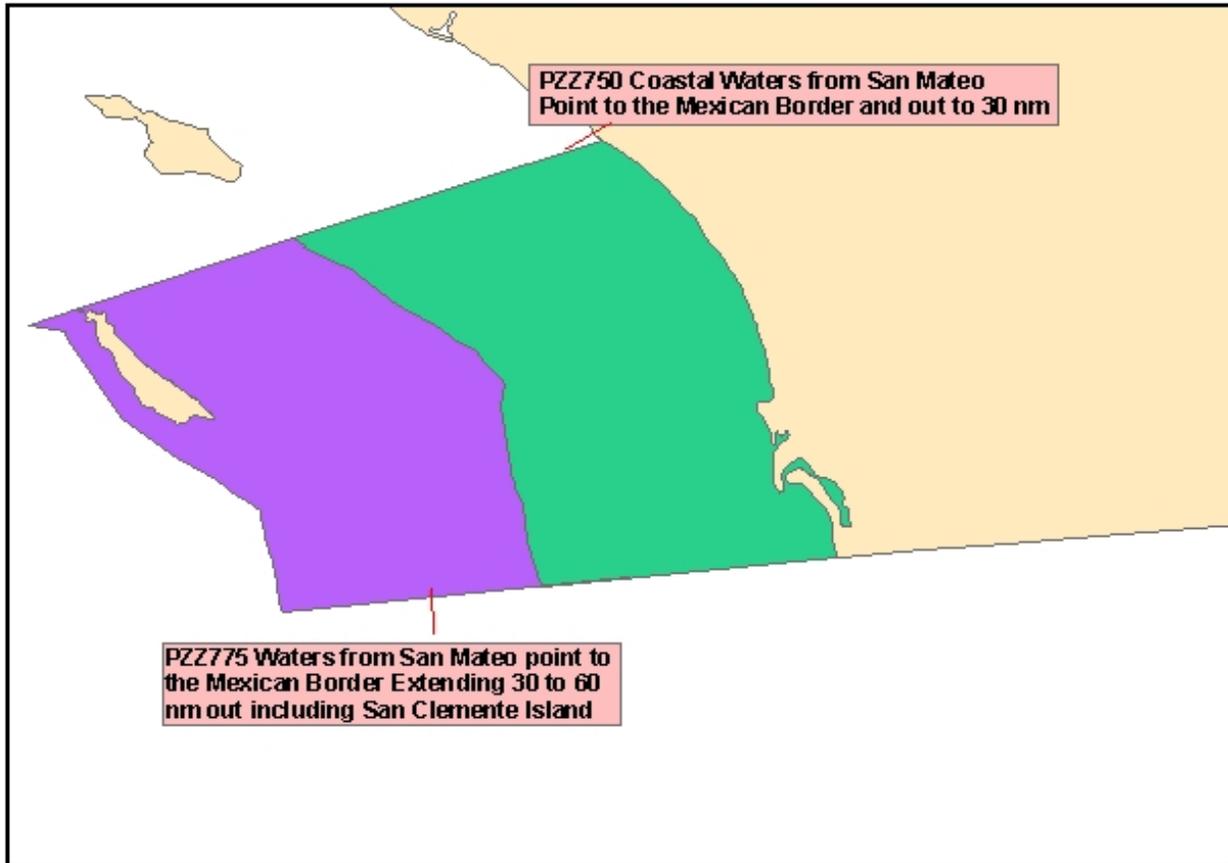
LOS ANGELES, CA (LOX) FZUS51 KLOX

AREA OF RESPONSIBILITY BOUNDARIES

Monterrey-San Luis Obispo county line to San Diego-Orange, CA county line out 60 NM

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

MARINE ZONES FOR WFO SAN DIEGO, CA



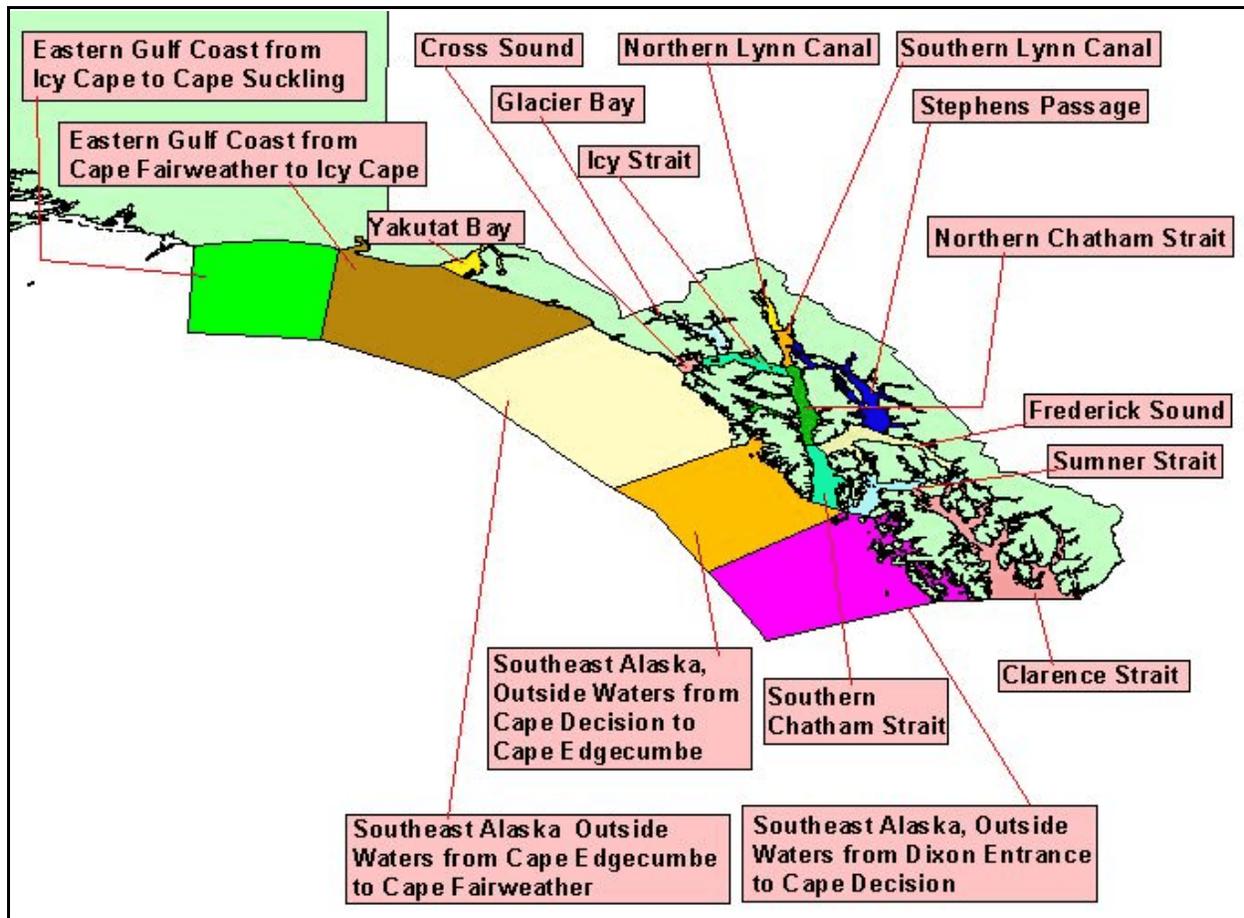
SAN DIEGO, CA (SGX) FZUS51 KSGX

AREA OF RESPONSIBILITY BOUNDARIES

San Diego-Orange, CA, county line to US-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 and 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)

FZAK51 PAJK

FZAK52 PAJK

YAKATAK, AK (AYA)

FZAK57 PAYA (Yakutat Bay)

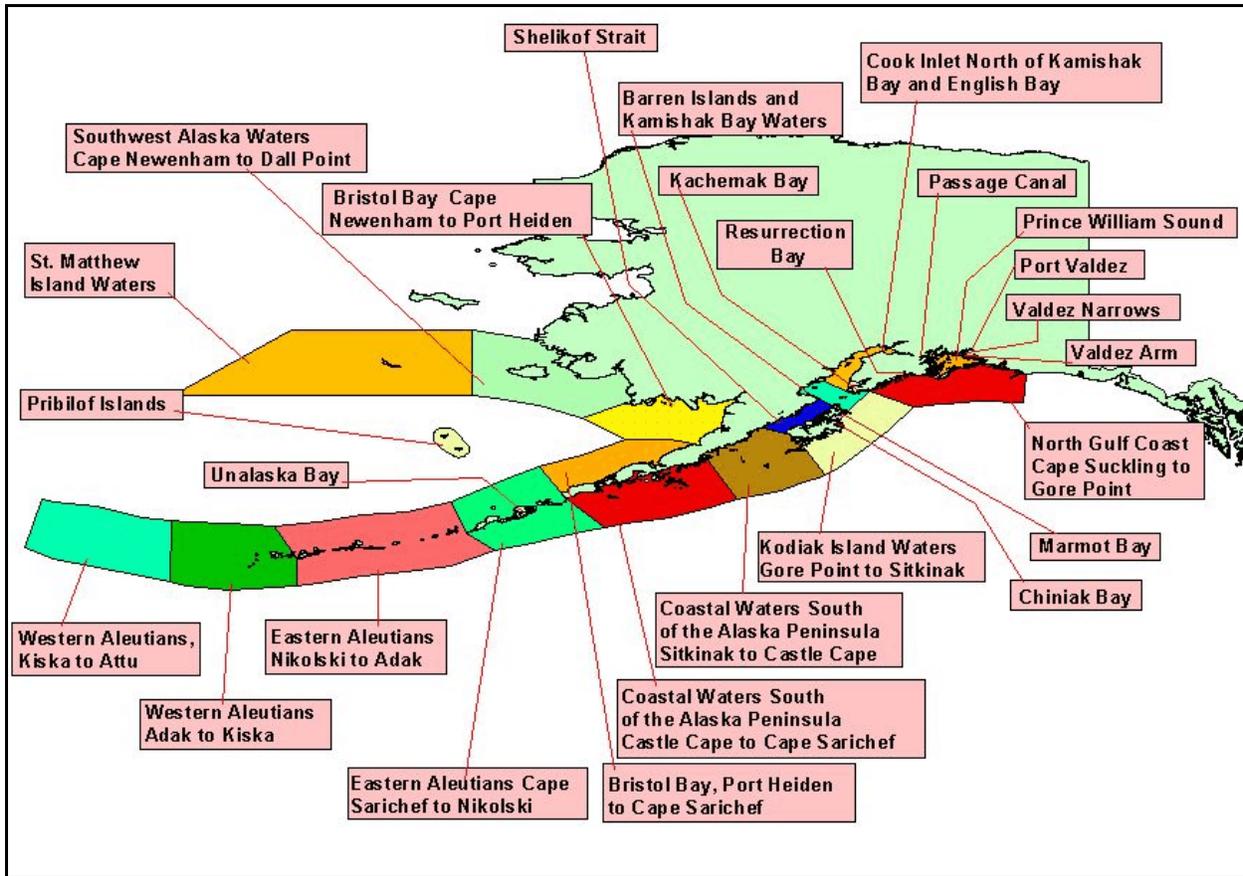
AREA OF RESPONSIBILITY BOUNDARIES

Coastal and Inside Waters Dixon Entrance to Cape Suckling including Yakutat Bay out to 100 nm.

- PKZ098 Synopsis for Inside Waters
- PKZ011 Glacier Bay
- PKZ012 Northern Lynn Canal
- PKZ013 Southern Lynn Canal
- PKZ021 Icy Strait
- PKZ022 Cross Sound
- PKZ031 Stephens Passage
- PKZ032 Northern Chatham Strait

PKZ033 Southern Chatham Strait
PKZ034 Frederick Sound
PKZ035 Sumner Strait
PKZ036 Clarence Strait
PKZ099 Synopsis for Outside Waters
PKZ041 Dixon Entrance to Cape Decision
PKZ042 Cape Decision to Cape Edgecumbe
PKZ043 Cape Edgecumbe to Cape Fairweather
PKZ051 Cape Fairweather to Icy Cape
PKZ052 Icy Cape to Cape Suckling
PKZ097 Synopsis for Yakutat Bay
PKZ053 Yakutat Bay

MARINE ZONES FOR WFO ANCHORAGE, AK



ANCHORAGE, AK (AFC)

FZAK51 PAFC (North Gulf Coast and Kodiak Island and Cook Inlet)

FZAK52 PAFC (Southwest Alaska and Bristol Bay and the Alaska Peninsula Waters and the Aleutian Islands)

KODIAK, AK (ADQ)

FZAK58 PADQ (Chiniak and Marmot Bays)

VALDEZ, AK (AVW)

FZAK58 PAVW (Port of Valdez and Valdez Narrows and Valdez Arm)

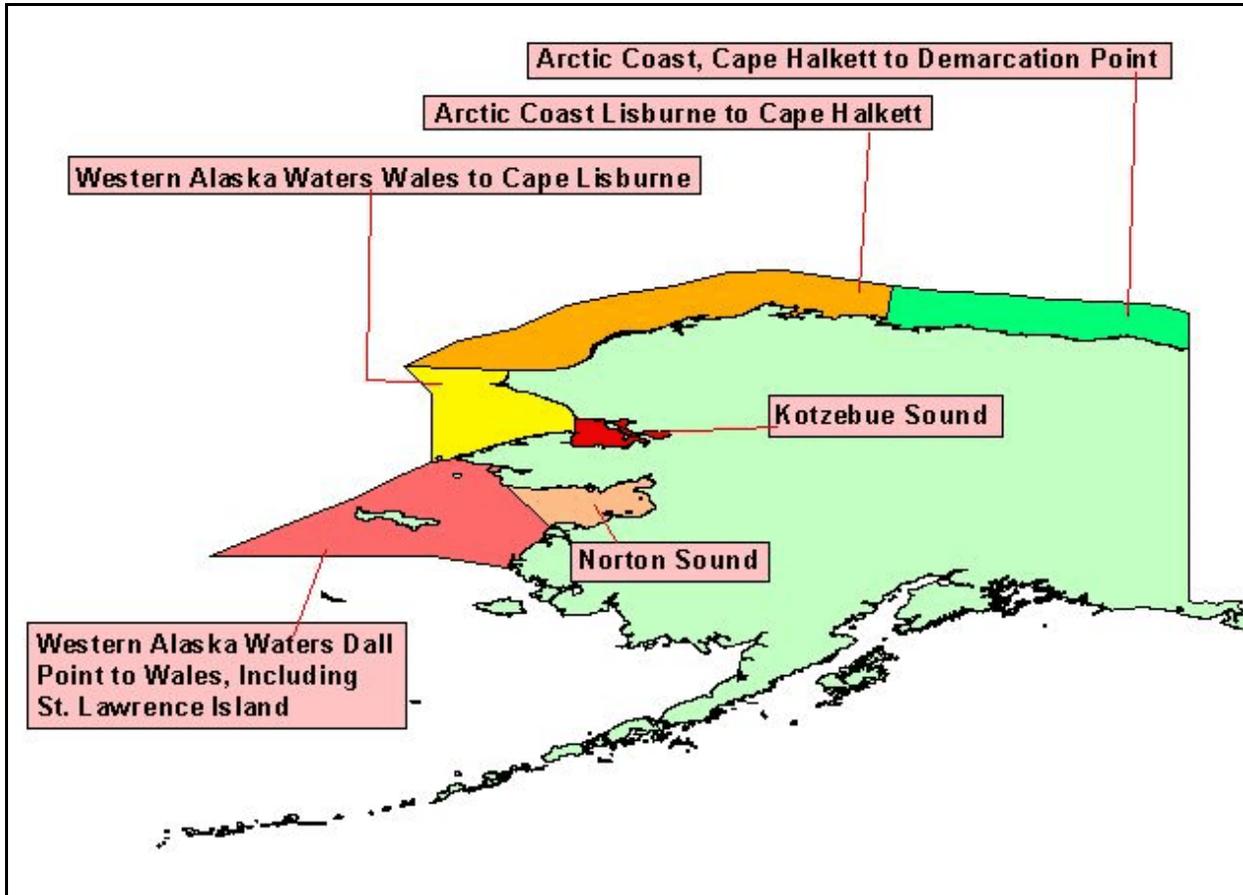
AREA OF RESPONSIBILITY BOUNDARIES

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

- PKZ197 Synopsis for the North Gulf Coast
- PKZ120 Cape Suckling to Gore Point
- PKZ121 Resurrection Bay

PKZ125 Prince William Sound
PKZ129 Passage Canal
PKZ130 Barren Islands and Kamishak Bay
PKZ132 Kodiak Island Waters Gore Point to Sitkinak
PKZ138 Shelikof Strait
PKZ140 Cook Inlet North of Kamishak and English Bay
PKZ141 Kachemak Bay
PKZ199 Synopsis for Southwest Alaska and the Aleutians
PKZ150 Sitkinak to Castle Cape
PKZ155 Castle Cape to Cape Sarichef
PKZ160 Cape Newenham to Port Heiden
PKZ165 Port Heiden to Cape Sarichef
PKZ180 Cape Newenham to Dall Point
PKZ170 Cape Sarichef to Nikolski
PKZ171 Unalaska Bay
PKZ172 Nikolski to Adak
PKZ175 Adak to Kiska
PKZ176 Kiska to Attu
PKZ179 Pribilof Islands Nearshore Waters (out 5 NM only)
PKZ185 St. Matthew Island Waters
PKZ198 Synopsis for Chiniak and Marmot Bays
PKZ136 Chiniak Bay
PKZ137 Marmot Bay
PKZ196 Synopsis for Valdez Port Narrows and Arm
PKZ126 Port of Valdez
PKZ127 Valdez Narrows
PKZ128 Valdez Arm

MARINE ZONES FOR WFO FAIRBANKS, AK



FAIRBANKS, AK (AFG)

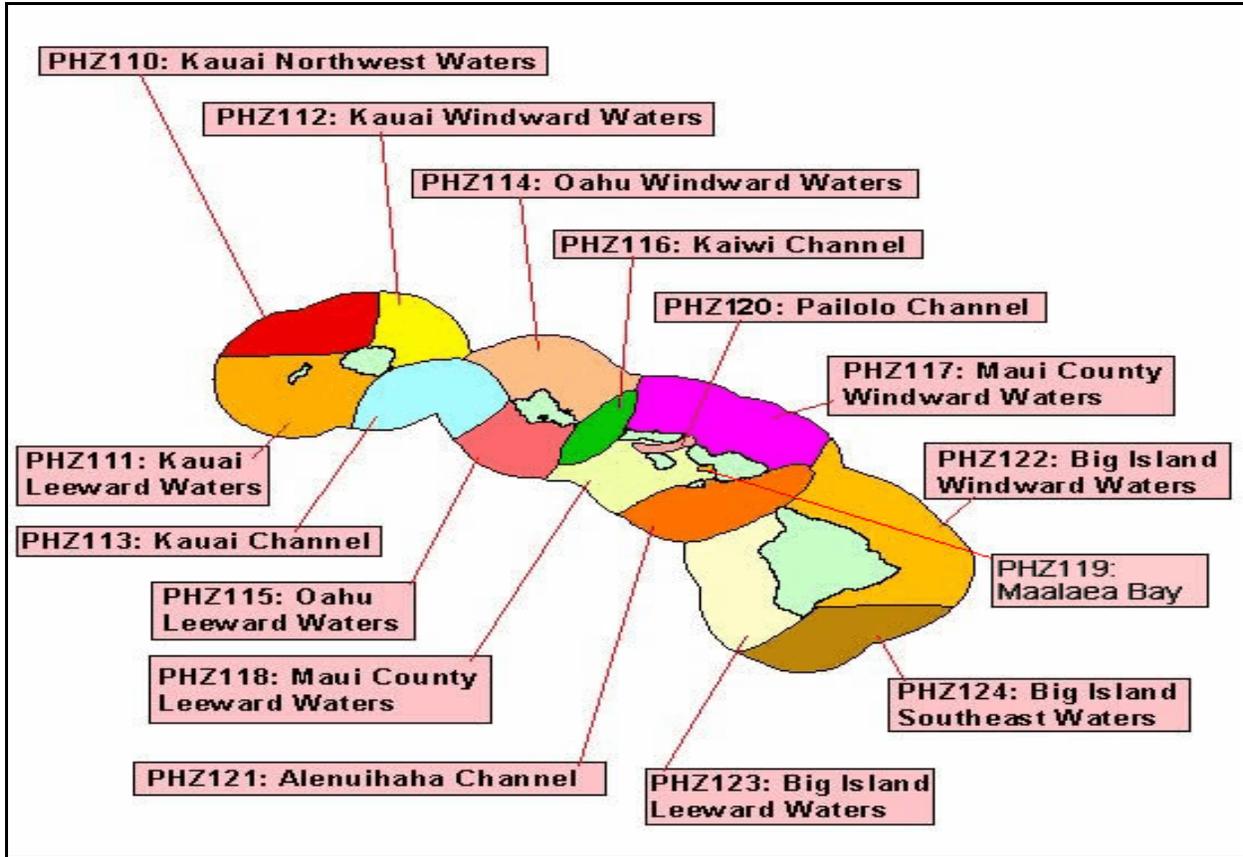
FZAK59 PAFG

AREA OF RESPONSIBILITY BOUNDARIES

Dall Point to Demarcation Point out to 100 NM.

- PKZ299 Synopsis for Western Alaska and the Arctic Coast
- PKZ290 Norton Sound
- PKZ295 Dall Point to Wales
- PKZ200 Kotzebue Sound
- PKZ205 Wales to Cape Lisburne
- PKZ210 Cape Lisburne to Cape Halkett
- PKZ215 Cape Halkett to Demarcation Point

MARINE ZONES FOR WFO HONOLULU, HI



HONOLULU, HI (HFO) FZHW50 PHFO

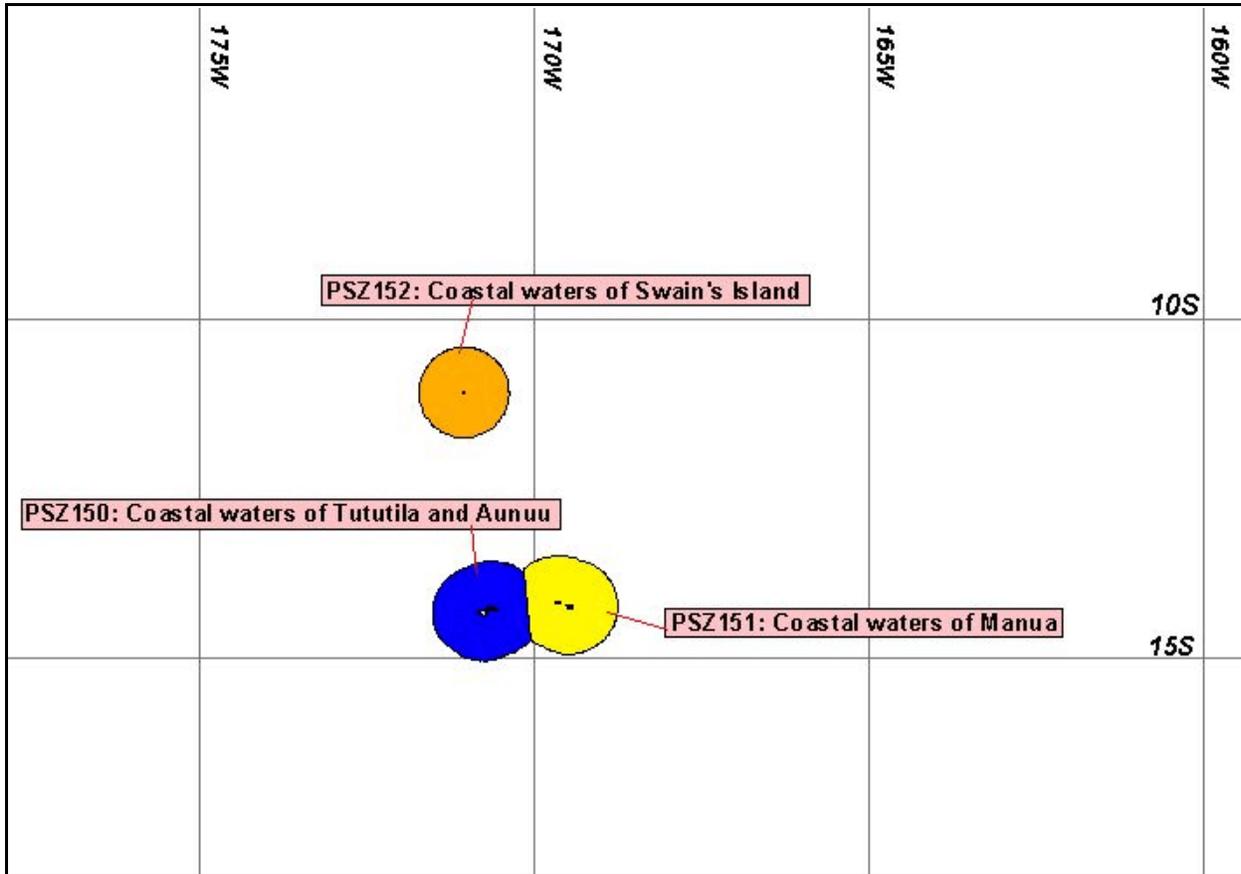
AREA OF RESPONSIBILITY BOUNDARIES

Water area within 40 NM of the main Hawaiian Islands

- PHZ100 Synopsis for Hawaiian Waters
- PHZ110 Kauai Northwest Waters
- PHZ111 Kauai Leeward Waters
- PHZ112 Kauai Windward 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



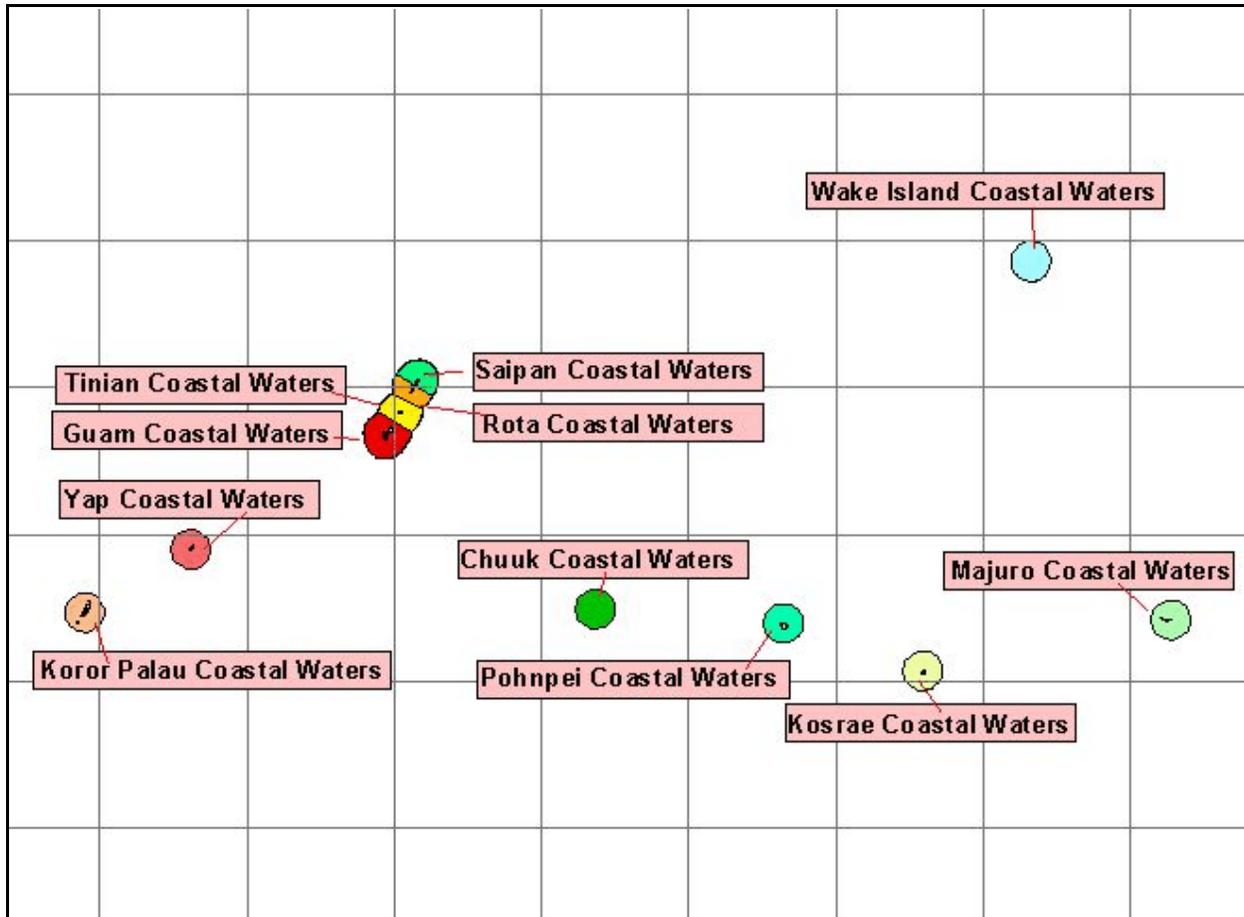
PAGO PAGO, AMERICAN SAMOA (STU) FZZM40 NSTU

AREA OF RESPONSIBILITY BOUNDARIES

American Samoa Coastal Waters

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

MARINE ZONES FOR WFO GUAM



GUAM (GUM)

FZMY50 (Guam and Commonwealth of the North Marianas)

FZPQ50 (Republic of Palau, Federated States of Micronesia, Republic of the Marshall Islands)

AREA OF RESPONSIBILITY BOUNDARIES

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

The Republic of Palau within 40 NM of Koror

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

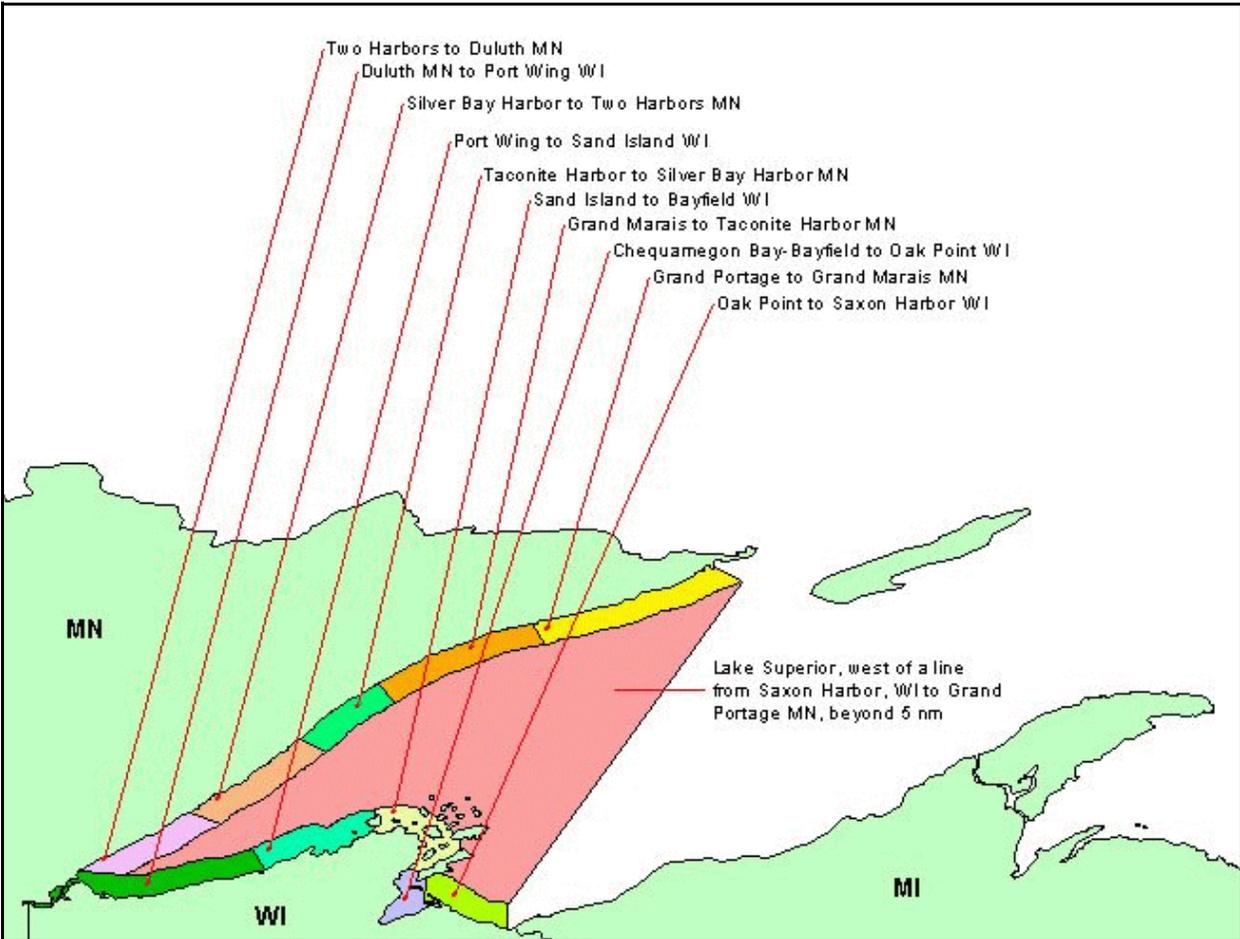
The Republic of the Marshall Islands within 40 NM of Majuro

PMZ150 Synopsis for Marianas waters

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

2. Great Lakes Forecast Areas of Responsibility

MARINE ZONES FOR WFO DULUTH, MN



DULUTH, MN (DLH) FZUS53 KDLH

AREA OF RESPONSIBILITY BOUNDARIES

Lake Superior - US-Can border to WI/MI border

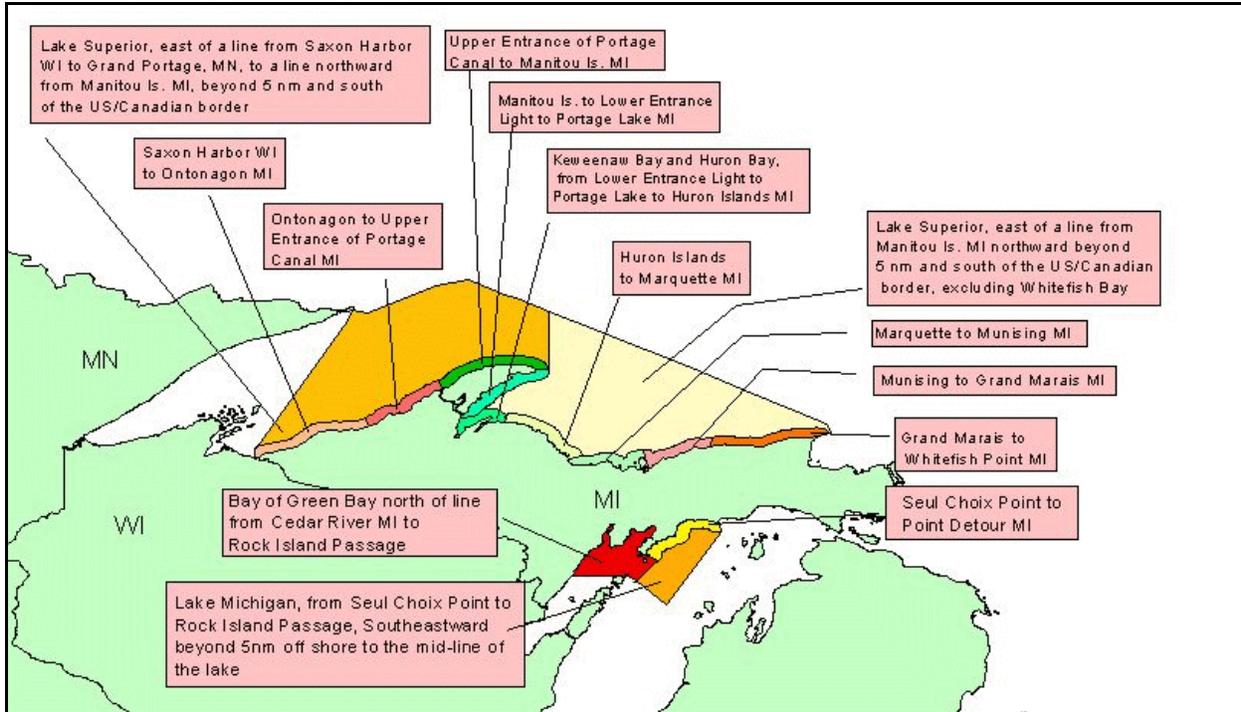
- LSZ140 Grand Portage to Grand Marais MN
- LSZ141 Grand Marais to Taconite Harbor MN
- LSZ142 Taconite Harbor to Silver Bay Harbor MN
- LSZ143 Silver Bay Harbor to Two Harbors MN
- LSZ144 Two Harbors to Duluth MN
- LSZ145 Duluth MN to Port Wing WI

NWSI 10-302 July 16, 2004

LSZ146 Port Wing to Sand Island WI
LSZ147 Sand Island to Bayfield WI
LSZ121 Chequamegon Bay-Bayfield to Oak Point WI
LSZ148 Oak Point to Saxon Harbor WI
LSZ162* *Lake Superior west of a line from Saxon Harbor WI to Grand Portage MN
beyond 5 NM

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO MARQUETTE, MI - Lake Superior



MARQUETTE, MI (MQT)

FZUS63 KMQT (Open Lake)

FZUS53 KMQT (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

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

LSZ260 Lake Superior Open Lake (U.S. Portion)

LSZ261 Lake Superior MAFOR

LSZ241 Saxon Harbor WI to Ontonagon MI

LSZ242 Ontonagon to Upper Entrance of Portage Canal MI

LSZ243 Upper Entrance of Portage Canal to Manitou Island MI

LSZ244 Manitou Island to Lower Entrance Light to Portage Lake MI

LSZ221 Keweenaw Bay and Huron Bay from Lower Entrance Light to Portage Lake to Huron Islands MI

LSZ245 Huron Islands to Marquette MI

LSZ246 Marquette to Munising MI

LSZ247 Munising to Grand Marais MI

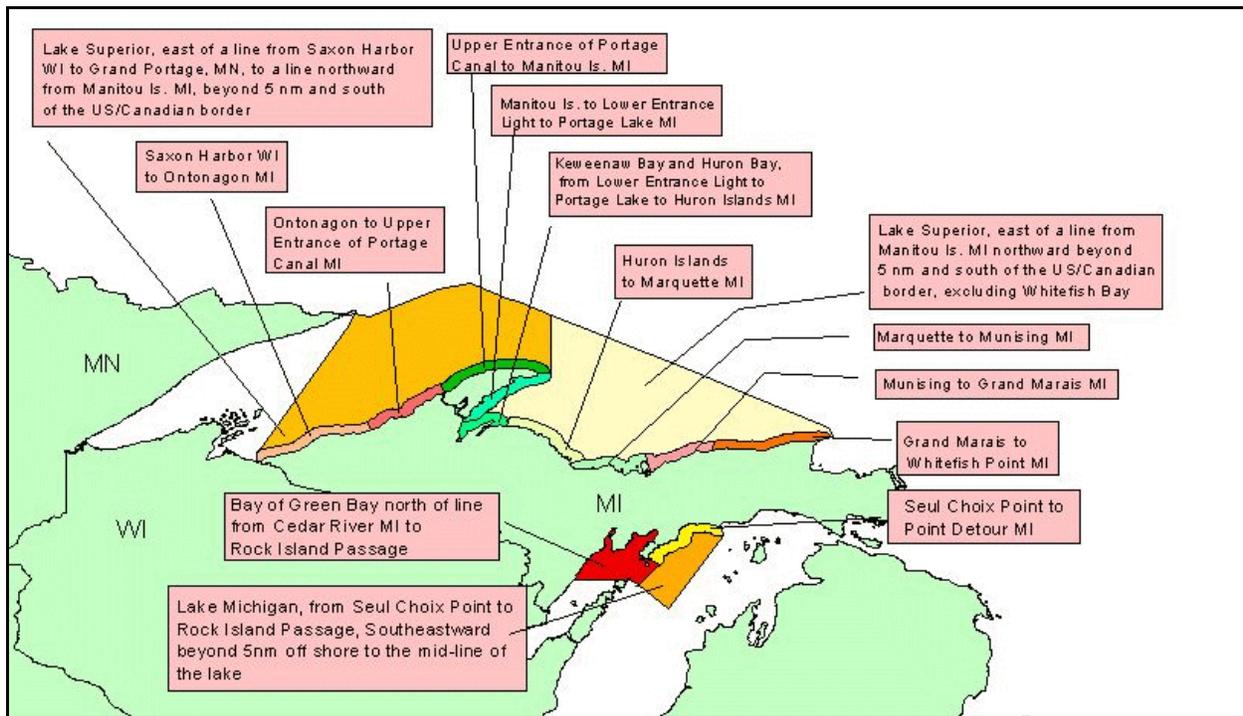
LSZ248 Grand Marais to Whitefish Point MI

NWSI 10-302 July 16, 2004

- LSZ263* *Lake Superior east of a line from Saxon Harbor WI to Grand Portage MN to a line Manitou Island MI north beyond 5 NM and south of the US/Canadian border
- LSZ264* *Lake Superior east of a line from Manitou Island MI northward beyond 5 NM and south of the US/Canadian border excluding Whitefish Bay.

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO MARQUETTE, MI - Lake Michigan



MARQUETTE, MI (MQT)

FZUS63 KMQT (Open Lake)

FZUS53 KMQT (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - Schoolcraft/Mackinac, MI county line to Rock Island Passage, including northern quarter of bay of Green Bay and the Passage Islands

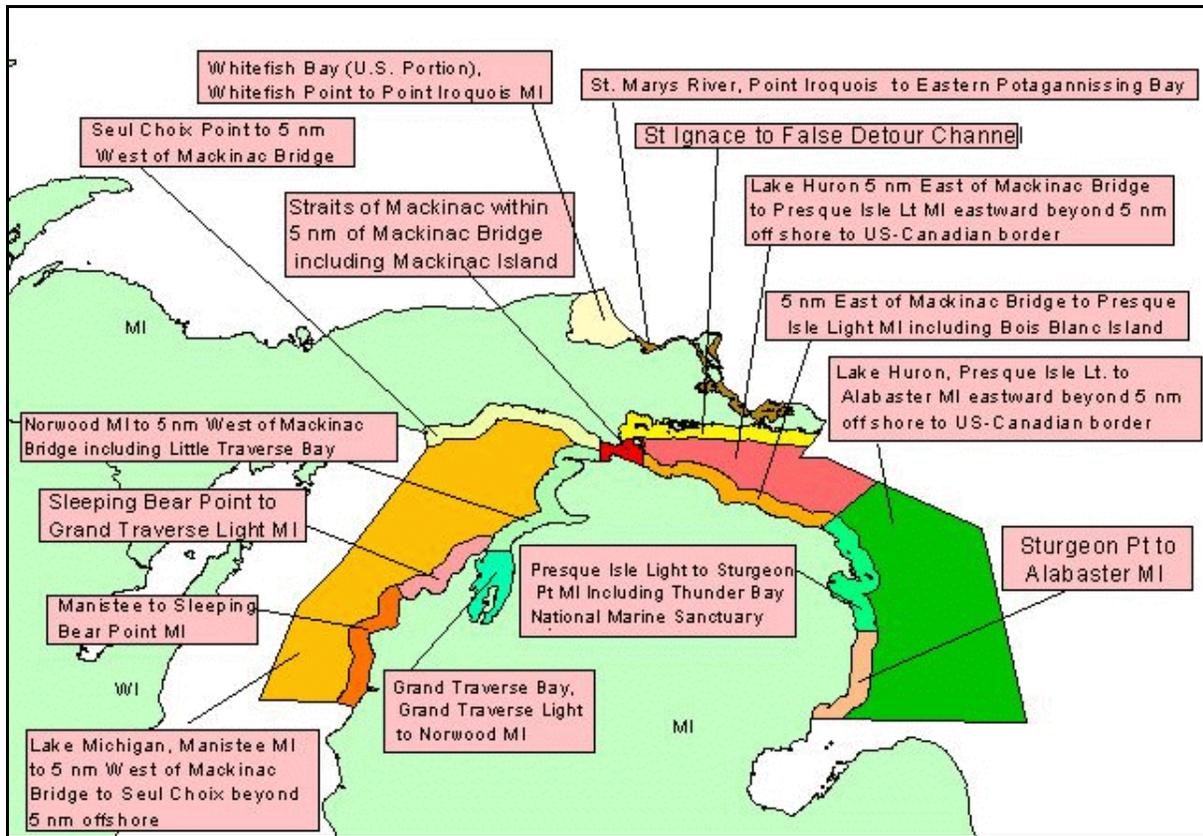
LMZ248 Seul Choix Point to Point Detour MI

LMZ221 Bay of Green Bay north of a line from Cedar River MI to Rock Island Passage

LMZ262* *Lake Michigan from Seul Choix Point to Rock Island Passage southeastward beyond 5 NM off shore to the mid-line of the lake

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO GAYLORD, MI - Lake Superior and Lake Michigan



GAYLORD, MI (APX) FZUS53 KAPX

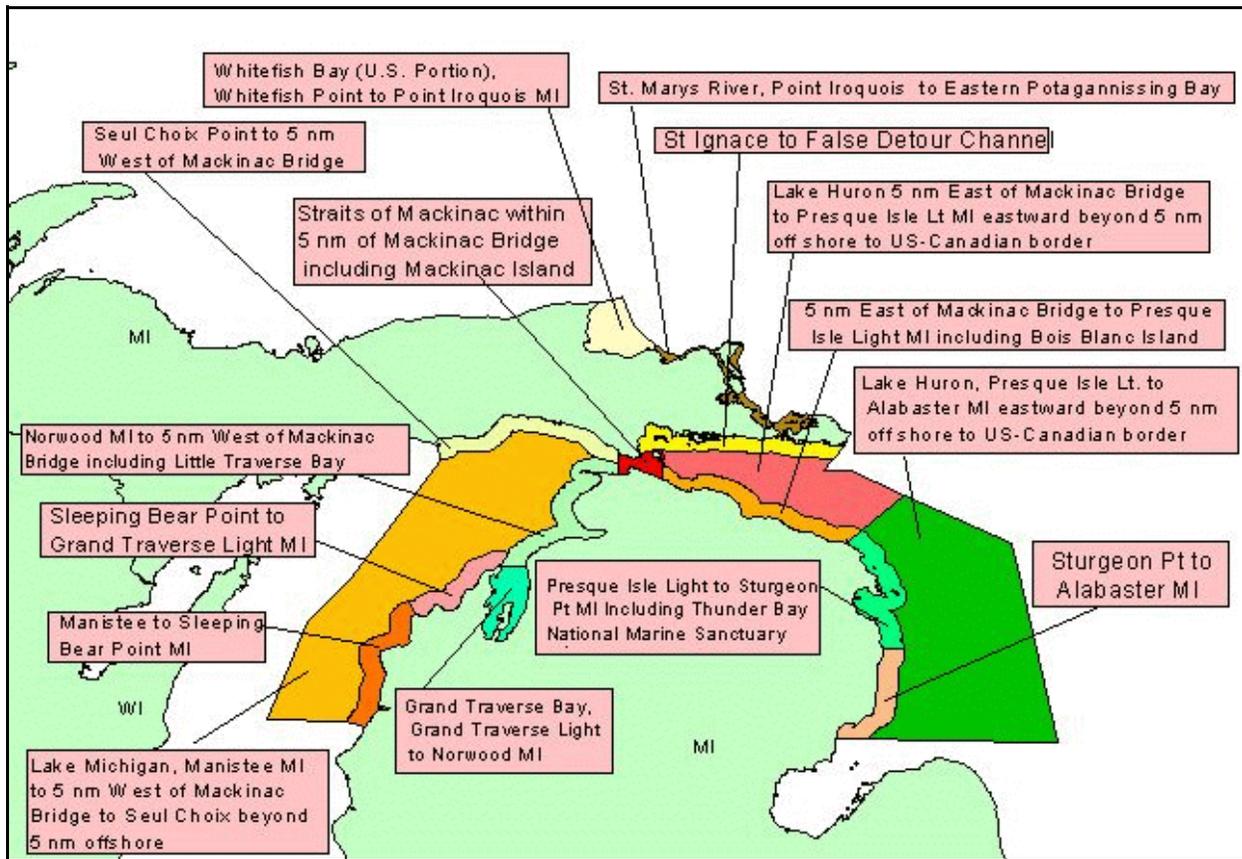
AREA OF RESPONSIBILITY BOUNDARIES

Lake Superior- U.S. Portion Whitefish Bay, St. Marys River, and Potagannissing Bay
 Lake Michigan - Mackinac Bridge to Schoolcraft/Mackinac county line and Mackinac Bridge to Manistee/Mason, MI county line

- 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 MI 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 Grand Traverse Light to Norwood MI
- LMZ344 Sleeping Bear Point to Grand Traverse Light MI
- LMZ345 Manistee to Sleeping Bear Point MI
- LMZ363* *Lake Michigan Manistee MI to 5 NM west of Mackinac Bridge to Seul Choix beyond 5 NM off shore

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO GAYLORD, MI - Lake Huron



GAYLORD, MI (APX) FZUS53 KAPX

AREA OF RESPONSIBILITY BOUNDARIES

Lake Huron - Mackinac Bridge to False Detour Channel and Mackinac to Iosco/Arenac, MI county line

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

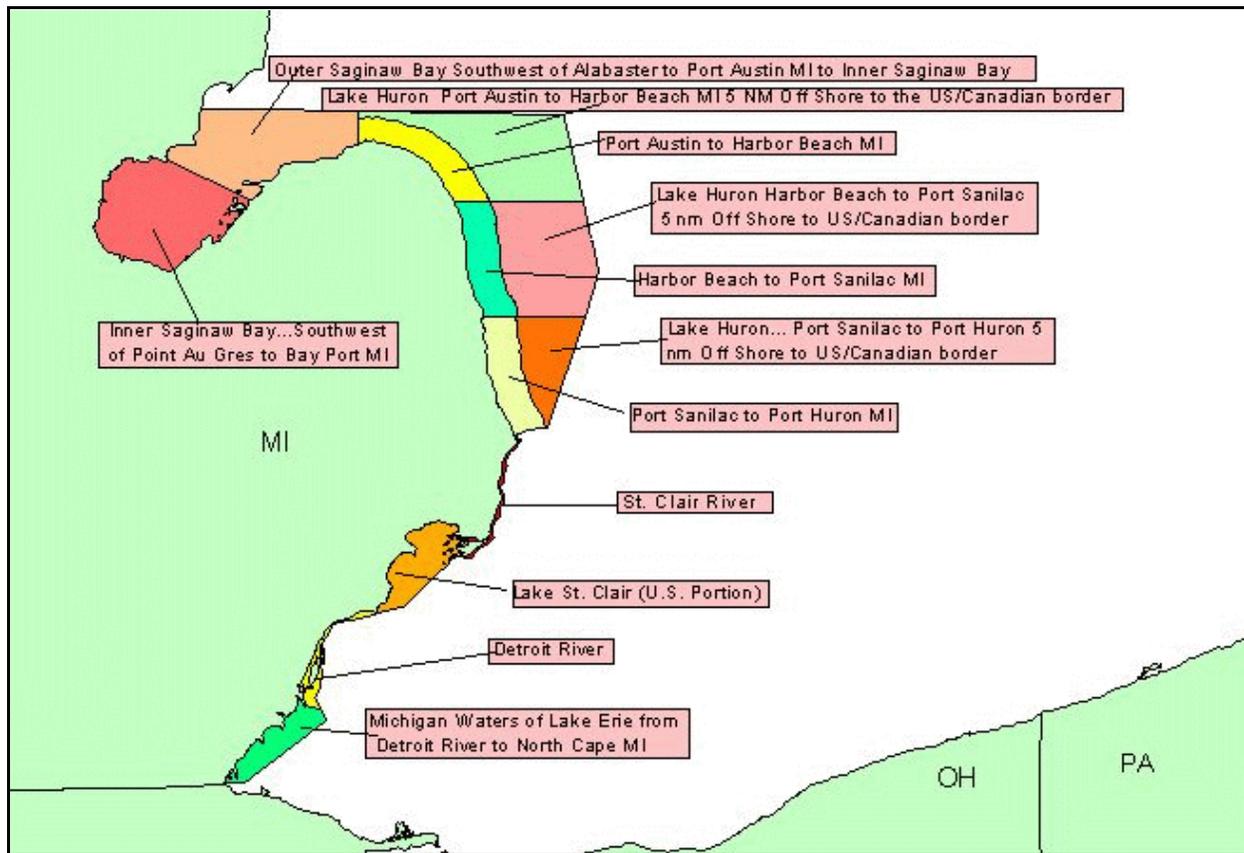
LHZ349 Sturgeon Point to Alabaster MI

LHZ361* *Lake Huron 5 NM east of Mackinac Bridge to Presque Isle Light MI East beyond 5 NM off shore to US-Canadian border

LHZ362* *Lake Huron Presque Isle Light to Alabaster MI eastward beyond 5 NM off shore to US-Canadian border

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO DETROIT, MI - Lake Huron to St. Clair River



DETROIT, MI (DTX)

FZUS63 KDTX (Open Lake)

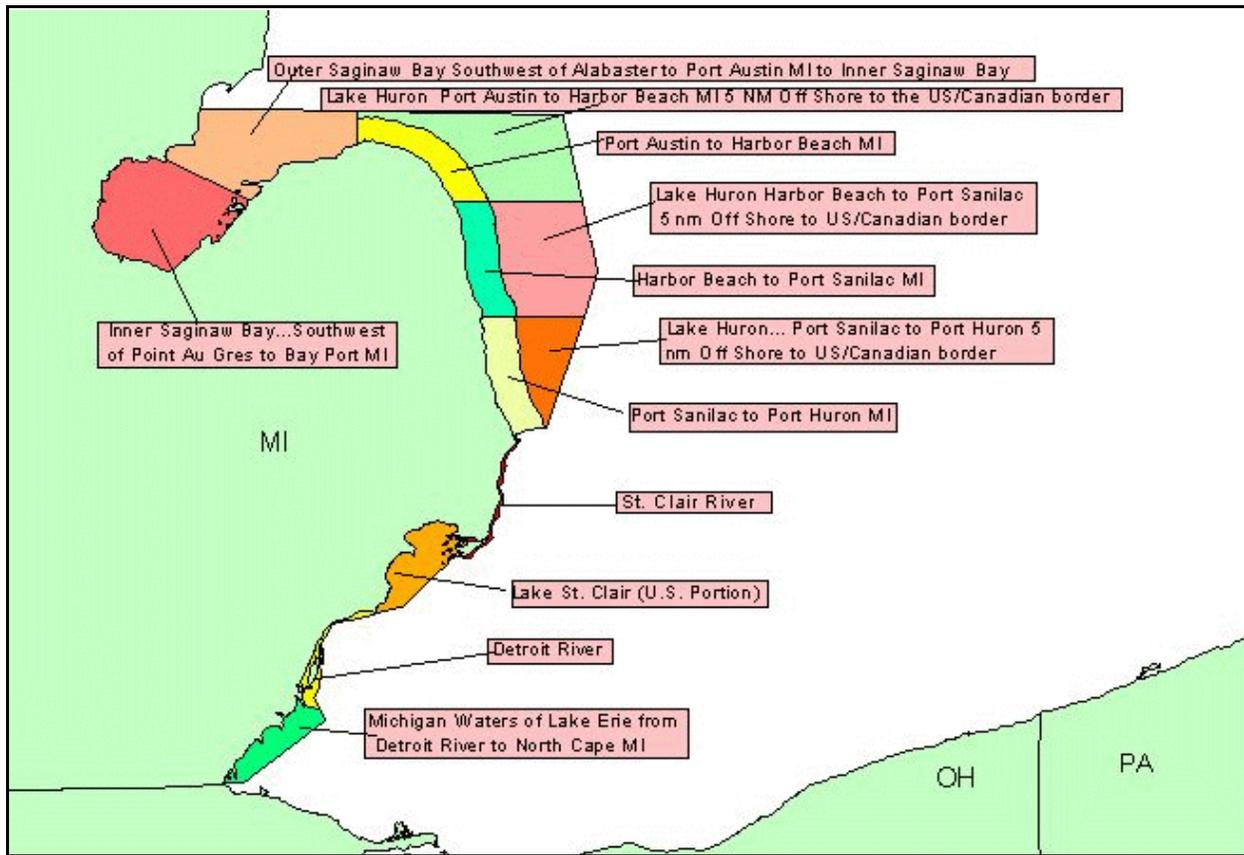
FZUS53 KDTX (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

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

- LHZ460 Lake Huron Open Lake (U.S. Portion)
- LHZ461 Lake Huron MAFOR
- 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
- LHZ462* *Lake Huron Port Austin to Harbor Beach 5 NM off shore to US/Can border
- LHZ463* *Lake Huron Harbor Beach to Port Sanilac 5 NM off shore to US/Can border
- LHZ464* *Lake Huron Port Sanilac to Port Huron 5 NM off shore to US/Can border

MARINE ZONES FOR WFO DETROIT, MI -St Clair River to Lake Erie



DETROIT, MI (DTX)

FZUS63 KDTX (Open Lake)
FZUS53 KDTX (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

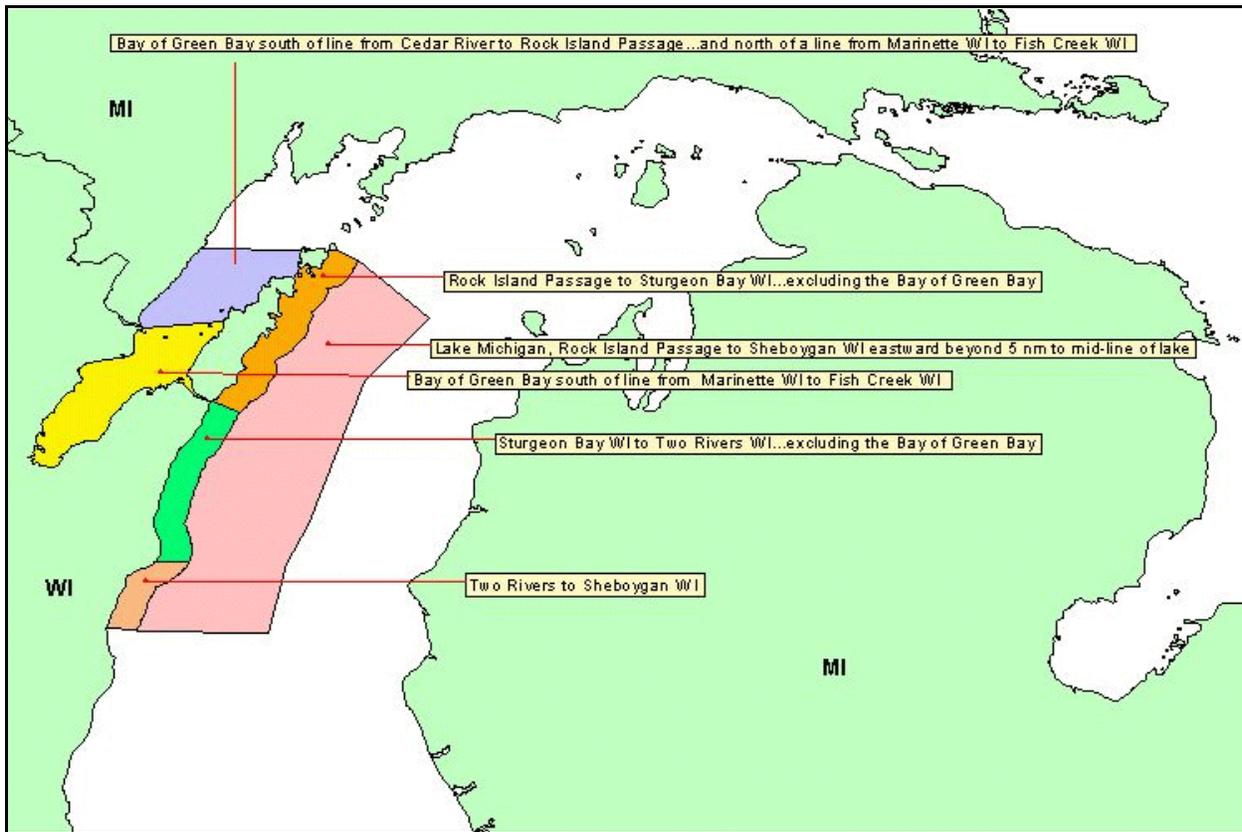
St. Clair River, Lake St. Clair, Detroit River
Lake Erie - Detroit River to MI/OH border

LCZ422* *St. Clair River
LCZ460 Lake St. Clair (U.S. Portion)
LCZ423* *Detroit River

LEZ444 Michigan waters of Lake Erie from Detroit River to North Cape MI

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO GREEN BAY, WI



GREEN BAY, WI (GRB) FZUS53 KGRB

AREA OF RESPONSIBILITY BOUNDARIES

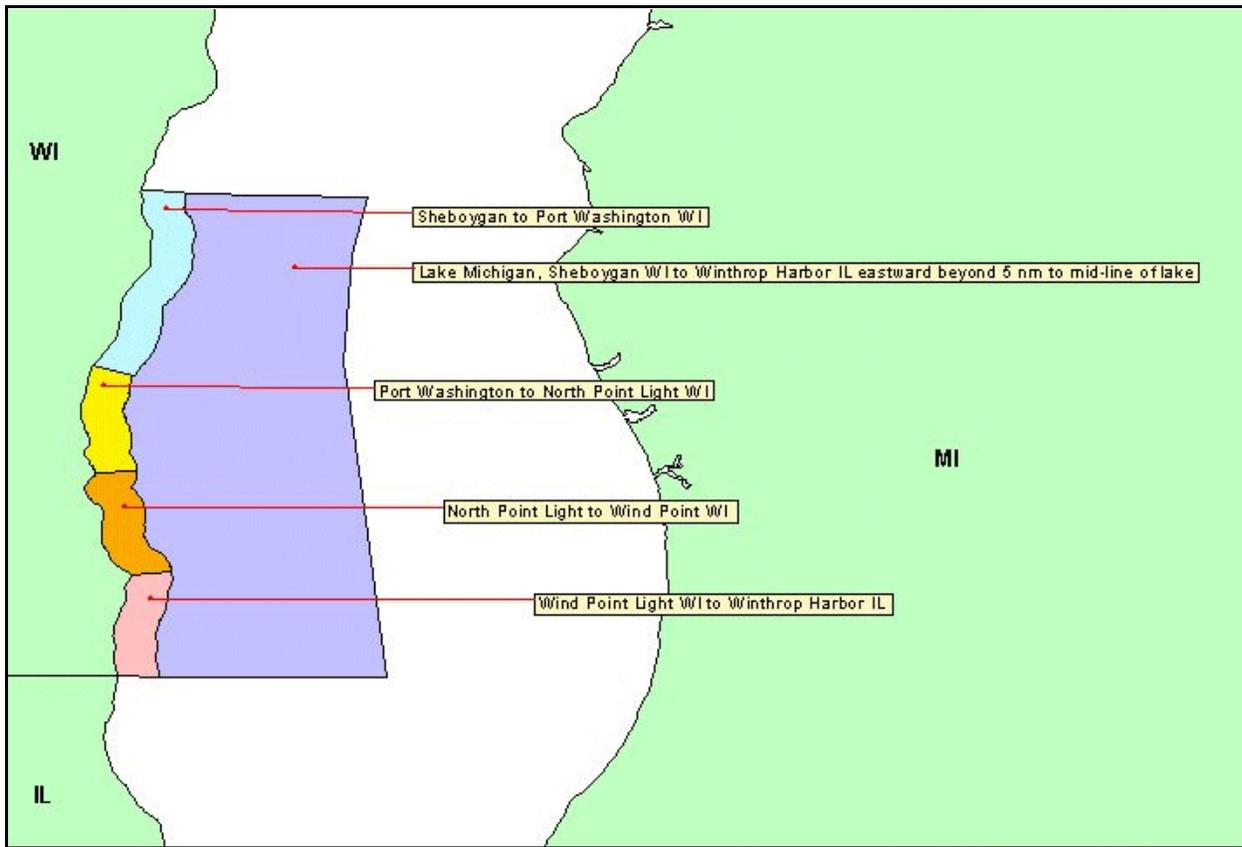
Lake Michigan - Rock Island Passage to Manitowoc/Sheboygan, WI county line including southern three-quarters of Bay of Green Bay

- LMZ521 Bay of Green Bay south of line from Cedar River to Rock Island Passage and north of a line from Marinette WI to Fish Creek WI
- LMZ522 Bay of Green Bay south of a line from Marinette WI to Fish Creek WI
- LMZ541 Rock Island Passage to Sturgeon Bay WI (excluding the Bay of Green Bay)
- LMZ542 Sturgeon Bay to Two Rivers WI (excluding the Bay of Green Bay)
- LMZ543 Two Rivers to Sheboygan WI

LMZ564* *Lake Michigan Rock Island Passage to Sheboygan WI eastward beyond 5 NM to mid-line of lake

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO MILWAUKEE - SULLIVAN, WI



MILWAUKEE - SULLIVAN, WI (MKX) FZUS53 KMKX

AREA OF RESPONSIBILITY BOUNDARIES

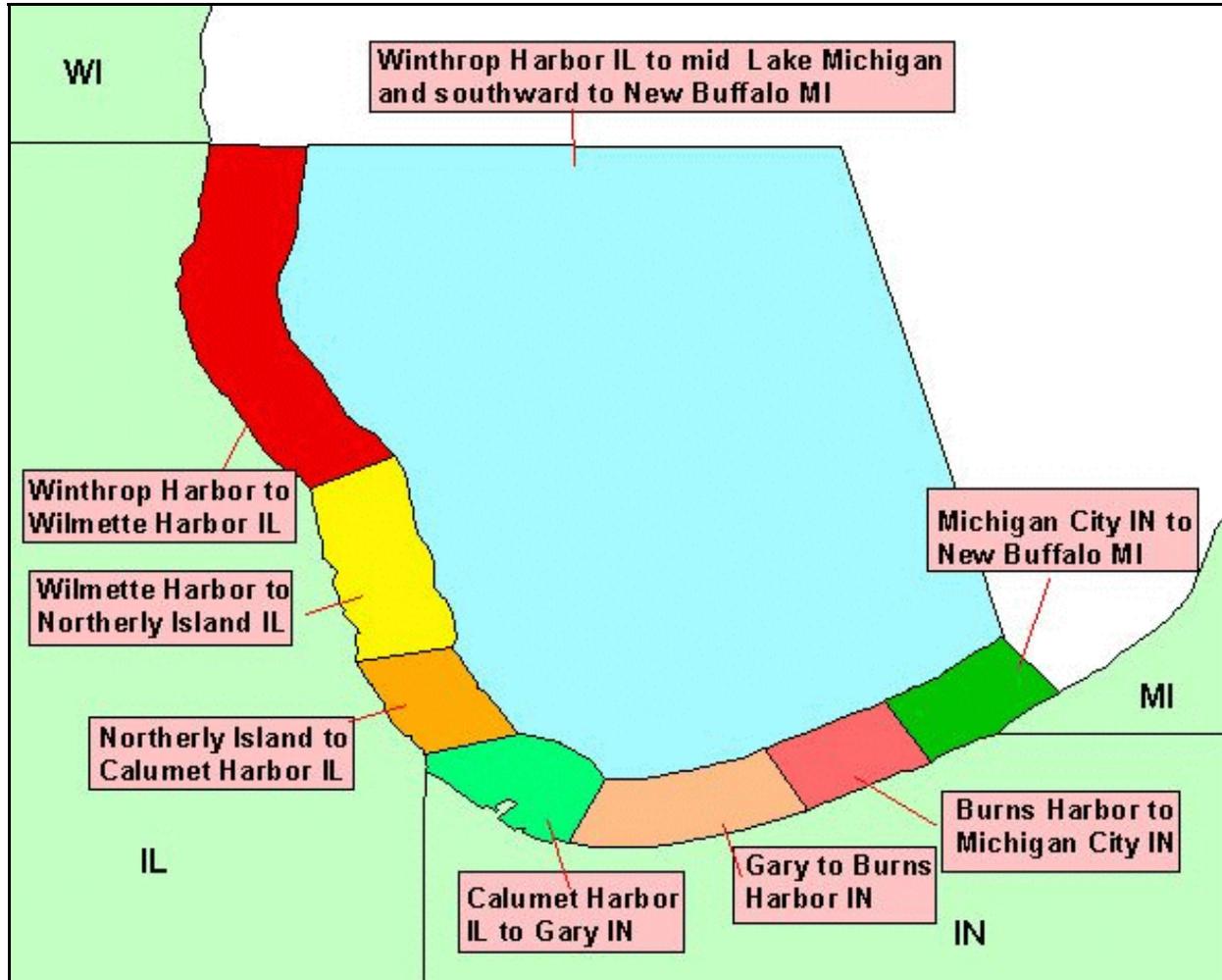
Lake Michigan - Manitowoc/ Sheboygan, WI county line to IL/WI border

- 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

LMZ665* *Lake Michigan Sheboygan WI to Winthrop Harbor IL eastward beyond 5 NM to mid-line of lake

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO CHICAGO, IL



CHICAGO, IL (LOT)

FZUS63 KLOT (Open Lake)

FZUS53 KLOT (Nearshore)

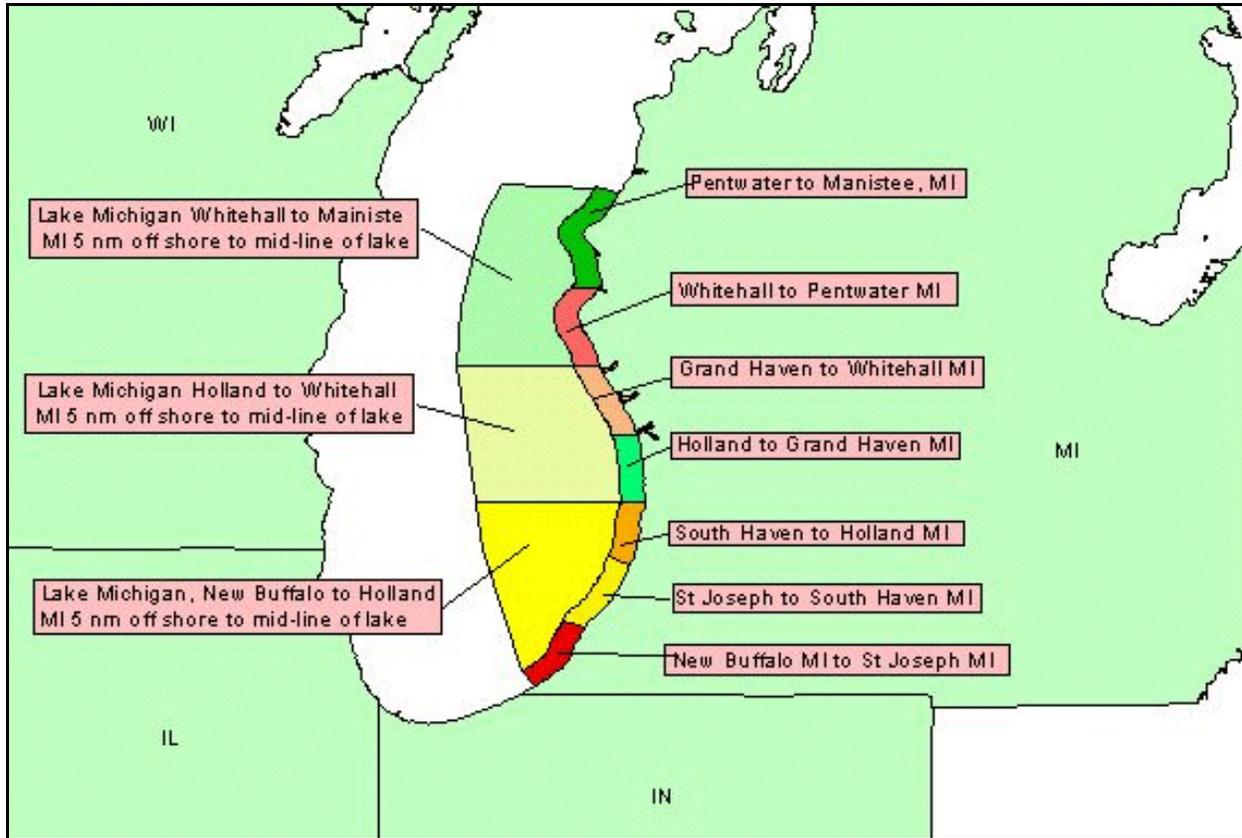
AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - IL/WI border to MI/IN border

- LMZ760 Lake Michigan Open Lake
- LMZ761 Lake Michigan MAFOR
- 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
LMZ746 Michigan City IN to New Buffalo MI
LMZ766* *Lake Michigan Winthrop Harbor IL eastward to the mid-point of the lake
and southward to New Buffalo MI beyond 5 NM off shore
* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO GRAND RAPIDS, MI



GRAND RAPIDS, MI (GRR) FZUS53 KGRR

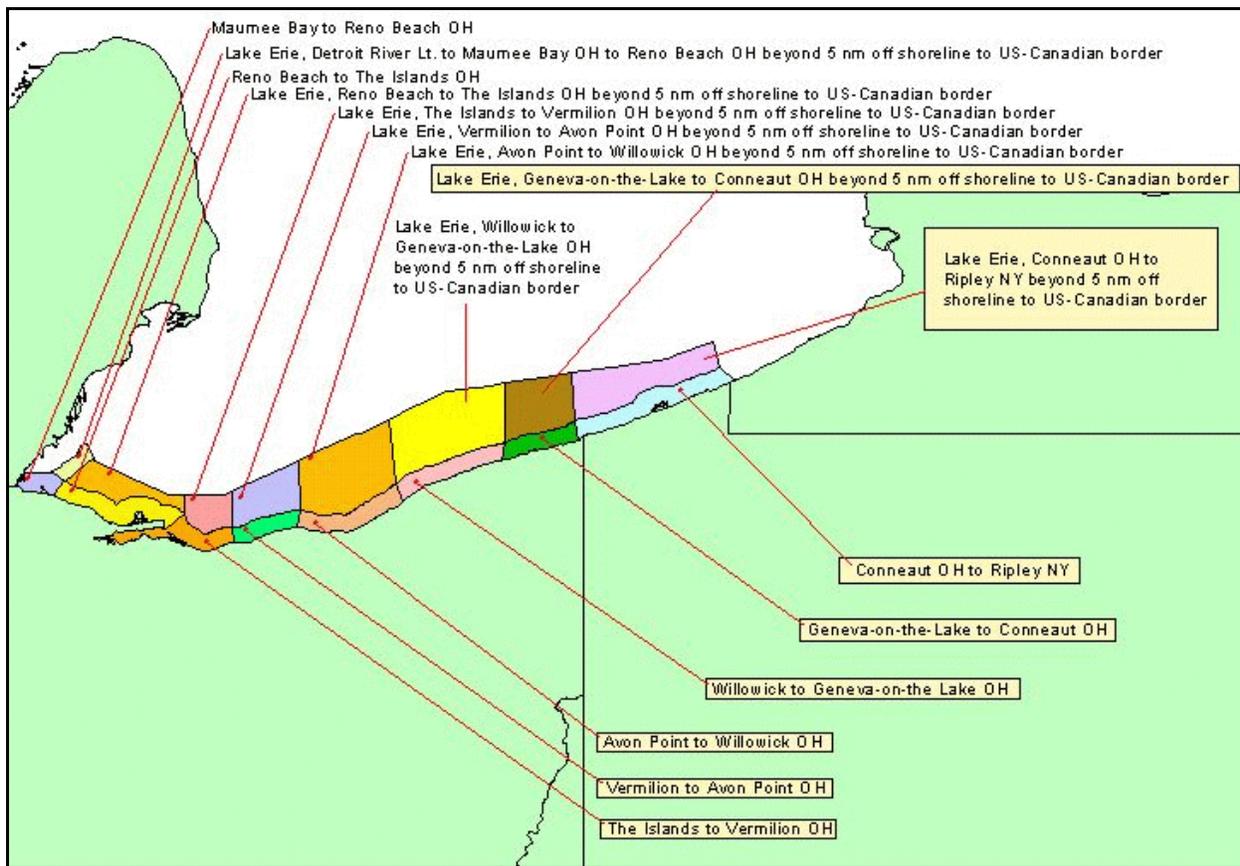
AREA OF RESPONSIBILITY BOUNDARIES

Lake Michigan - MI/IN border to Manistee/Mason, MI county line

- LMZ843 New Buffalo to St Joseph MI
- 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
- LMZ867* *Lake Michigan New Buffalo to Holland MI 5 NM off shore to mid-line of lake
- LMZ868* *Lake Michigan Holland to Whitehall MI 5 NM off shore to mid-line of lake
- LMZ869* *Lake Michigan Whitehall to Manistee MI 5 NM off shore to mid-line of lake

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO CLEVELAND, OH - Nearshore



CLEVELAND, OH (CLE)

FZUS61 KCLE (Open Lake)

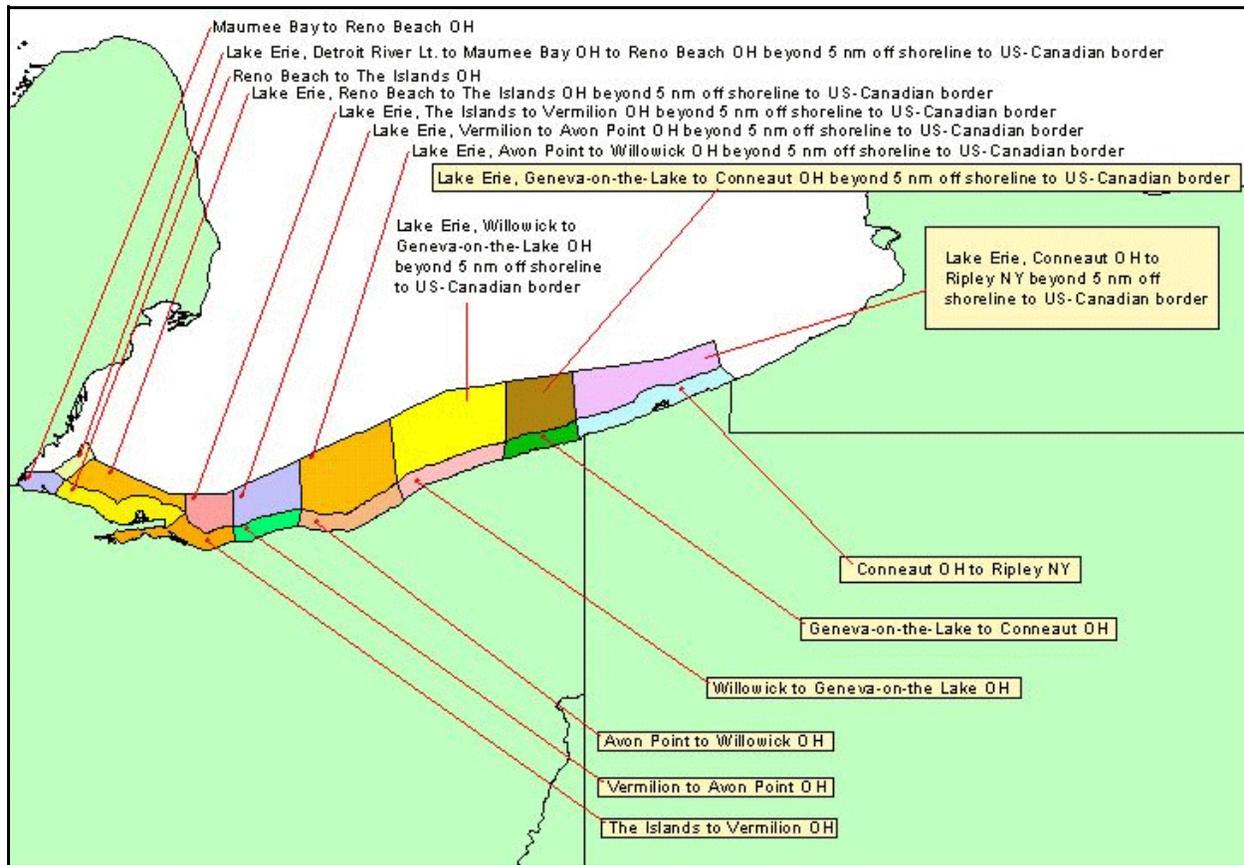
FZUS53 KCLE (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

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

- LEZ160 Lake Erie Open Lake (U.S. Portion)
- LEZ161 Lake Erie MAFOR
- 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

MARINE ZONES FOR WFO CLEVELAND, OH - Offshore



CLEVELAND, OH (CLE)

FZUS61 KCLE (Open Lake)

FZUS53 KCLE (Nearshore)

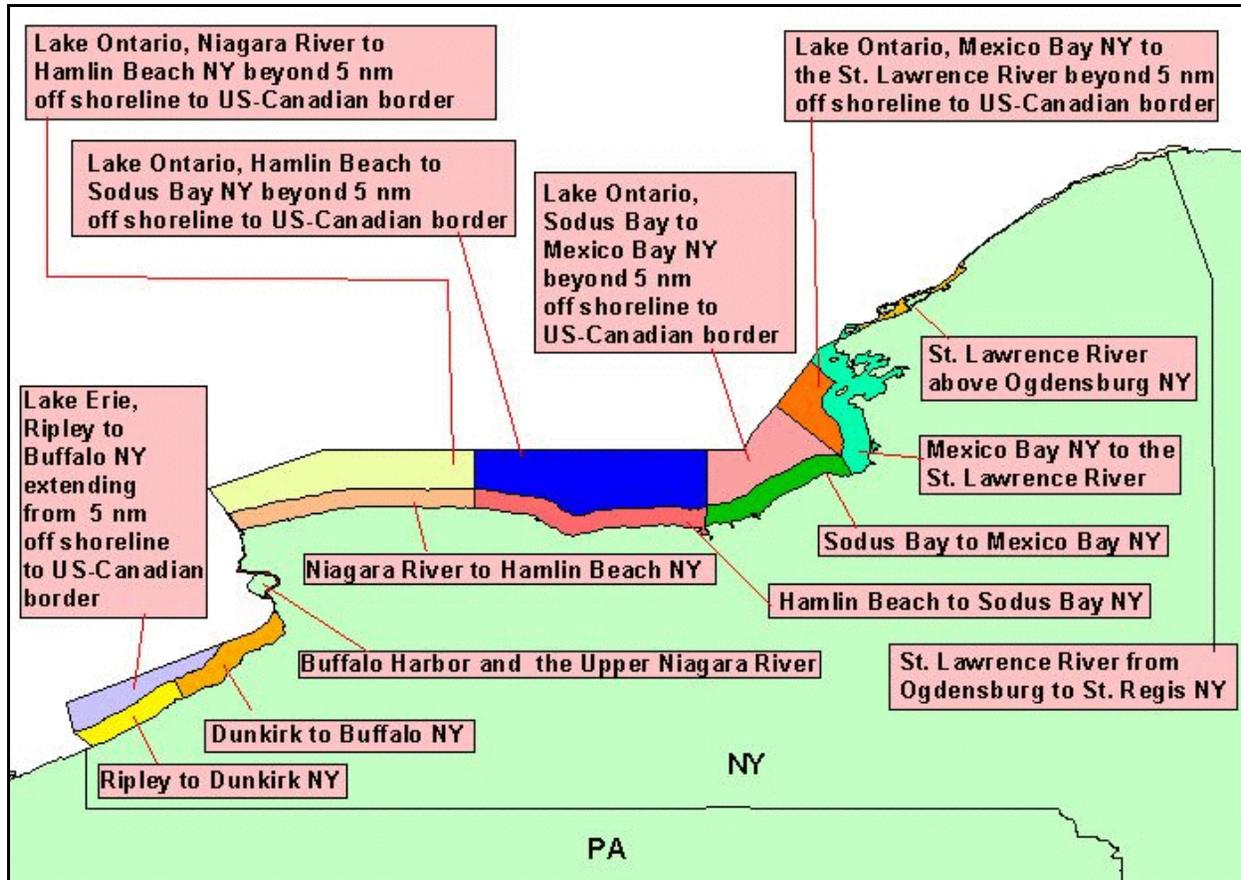
AREA OF RESPONSIBILITY BOUNDARIES

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

- LEZ162* *Detroit River Lt. to Maumee Bay OH to Reno Beach OH beyond 5 NM off shoreline to US-Can border
- LEZ163* *Reno Beach to The Islands OH beyond 5 NM off shoreline to US-Can border
- LEZ164* *The Islands to Vermilion OH beyond 5 NM off shoreline to US-Can border
- LEZ165* *Vermilion to Avon Point OH beyond 5 NM off shoreline to US-Can border
- LEZ166* *Avon Point to Willowick OH beyond 5 NM off shoreline to US-Can border
- LEZ167* *Willowick to Geneva-on-the Lake OH beyond 5 NM off shoreline to US-Can border
- LEZ168* *Geneva-on-the-Lake to Conneaut OH beyond 5 NM off shoreline to US-Can border
- LEZ169* *Conneaut OH to Ripley NY beyond 5 NM off shoreline to US-Can border

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO BUFFALO, NY - Lake Erie and
Lake Ontario -Nearshore



BUFFALO, NY (BUF)

FZUS61 KBUF (Open Lake)

FZUS51 KBUF (Nearshore)

AREA OF RESPONSIBILITY BOUNDARIES

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

Lake Ontario - US/Can border near Niagara River to US/Can border at St. Lawrence River

LEZ040 Ripley to Dunkirk NY

LEZ041 Dunkirk to Buffalo NY

LEZ061* *Ripley to Buffalo NY extending from 5 NM off shoreline to US-Can border

LEZ020 Buffalo Harbor and the Upper Niagara River

LOZ060 Lake Ontario Open Lake (U.S. Portion)

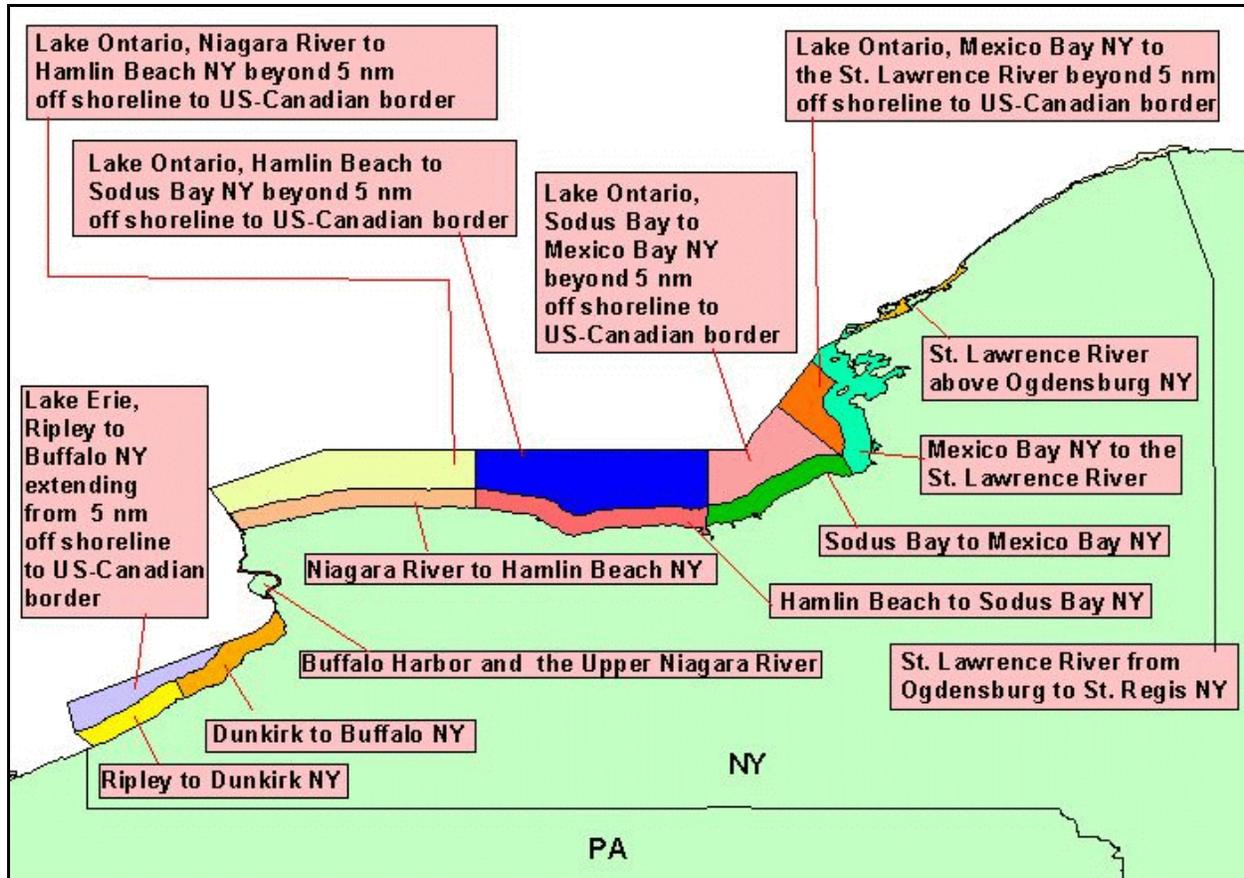
LOZ061 Lake Ontario MAFOR

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

* - Special Marine Warning/Severe Local Storm Watch purposes only.

MARINE ZONES FOR WFO BUFFALO, NY - Lake Ontario - Offshore
St Lawrence River



BUFFALO, NY (BUF)

FZUS61 KBUF (Open Lake)
FZUS51 KBUF (Nearshore)

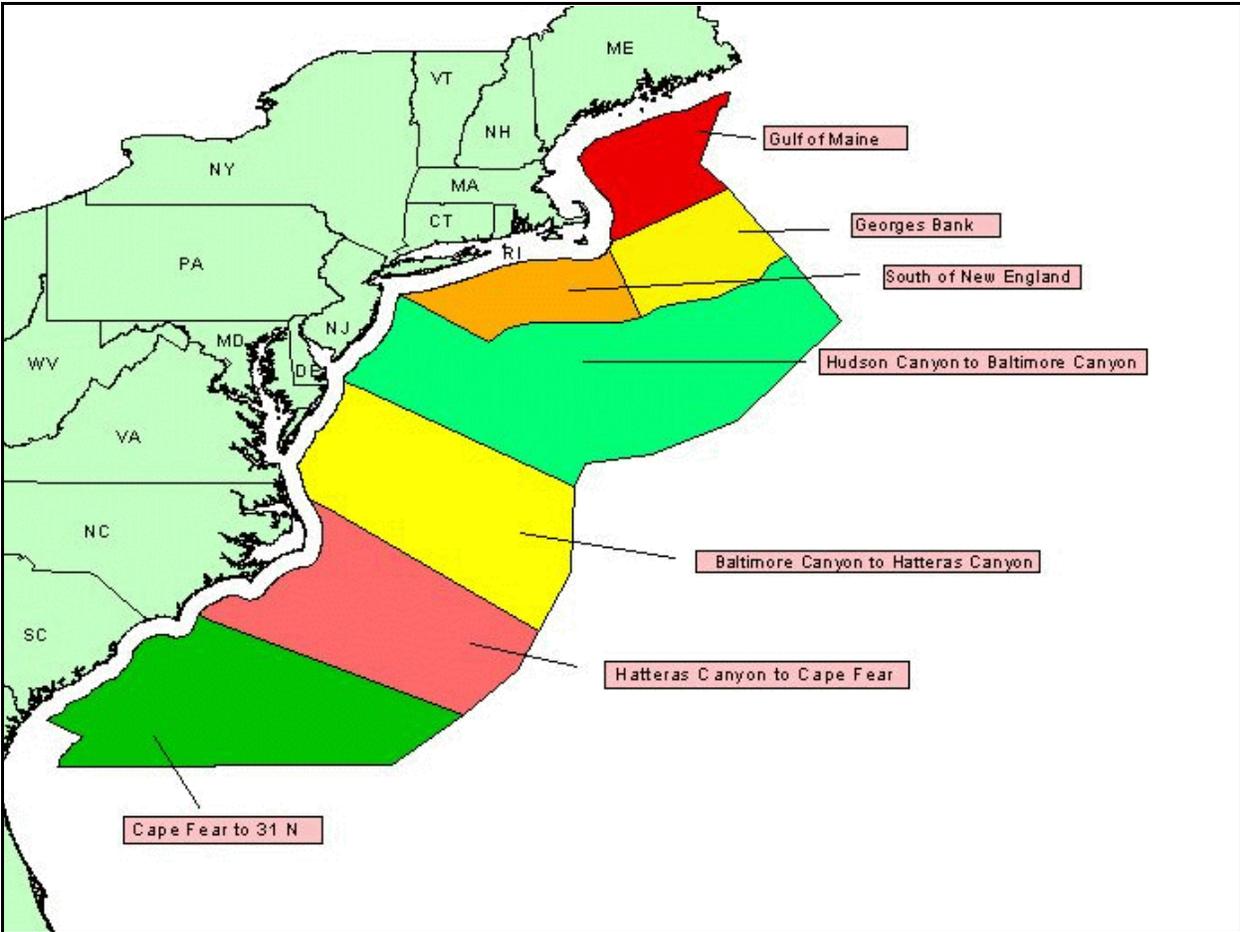
AREA OF RESPONSIBILITY BOUNDARIES

Lake Ontario - US/Can border near Niagara River to US/Can border at St. Lawrence River
St. Lawrence River - Lake Ontario to St. Regis

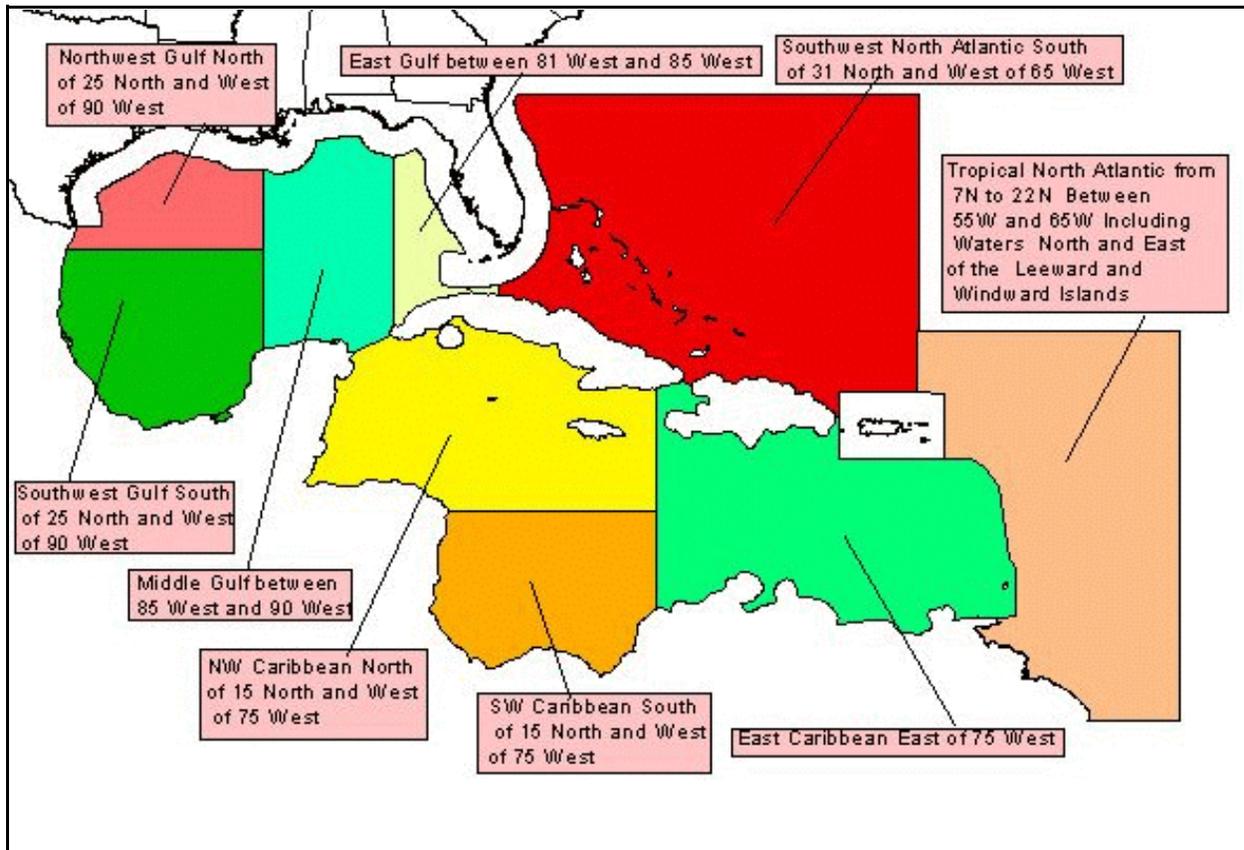
- LOZ062* *Niagara River to Hamlin Beach NY beyond 5 NM off shore to US-Can border
- LOZ063* *Hamlin Beach to Sodus Bay NY beyond 5 NM off shore to US-Can border
- LOZ064* *Sodus Bay to Mexico Bay NY beyond 5 NM off shore to US-Can border
- LOZ065* *Mexico Bay NY to the St. Lawrence River beyond 5 NM off shore to US-Can border
- SLZ022 St. Lawrence River above Ogdensburg NY
- SLZ024 St. Lawrence River from Ogdensburg to St. Regis NY

* - Special Marine Warning/Severe Local Storm Watch purposes only.

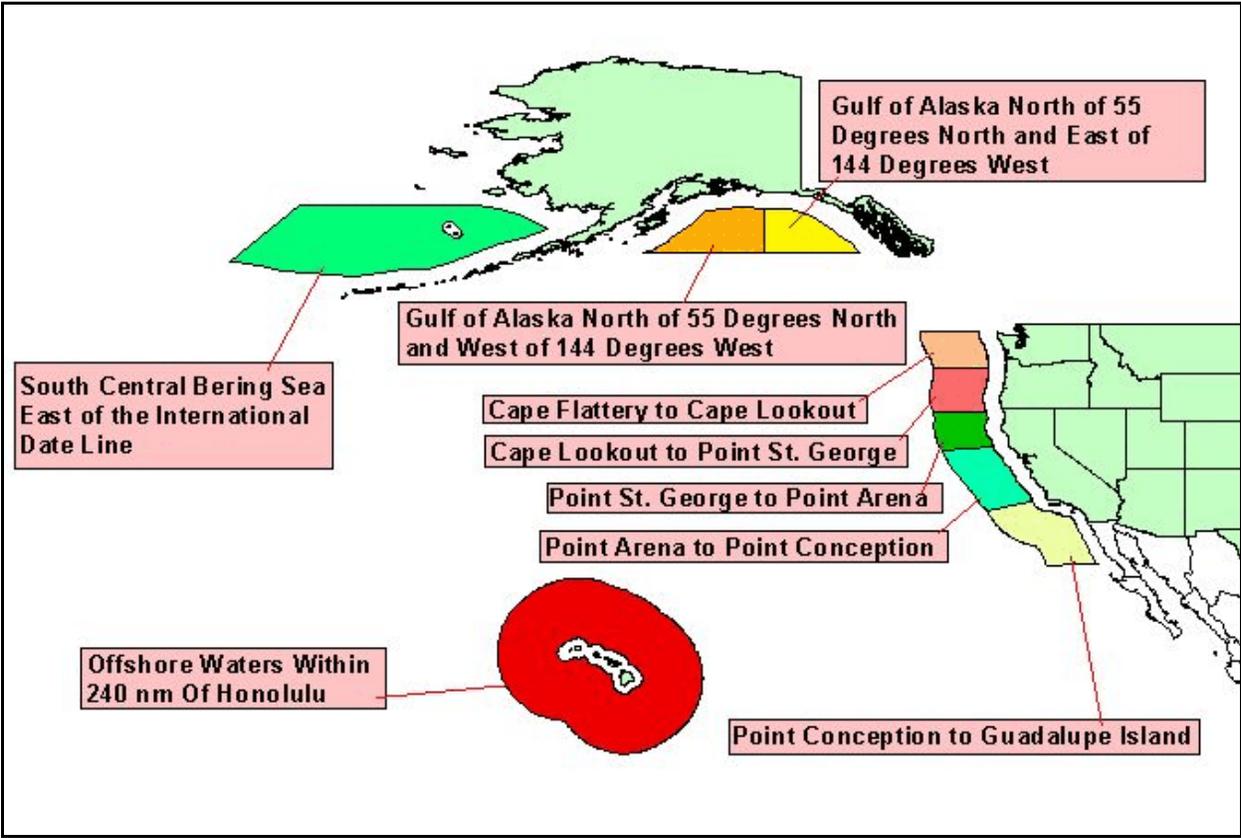
3. Offshore Forecast Areas of Responsibility.



North Atlantic



South Atlantic, Gulf of Mexico and Carribean



Alaska, Hawaii and Pacific

OFFSHORE FORECASTS

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

<u>Issue Off.</u>	<u>Official Area of Responsibility</u>	<u>Warning and Forecast Headings</u>	<u>UGC</u>	<u>Area ID</u>
NCEP/ OPC	Waters of the West Atlantic Ocean adjacent to the U.S. southwest of the Hague Line and north of 31N and between the Coastal Waters Forecast and 250 NM off shore	Waters outside the coastal waters to the Hague Line except to 1000 fathoms south of New England: Synopsis for New England Continental Shelf and Slope Waters from 25 NM Offshore to the Hague Line except to 1000 fathoms south of New England. Gulf of Maine to the Hague Line. Georges Bank from the Northeast Channel to the Great South Channel including the waters east of Cape Cod to the Hague Line. South of New England from the Great South Channel to Hudson Canyon including the waters south of Marthas Vineyard and Nantucket Island out to 1000 fathoms. Continental Shelf and Slope Waters of the Mid-Atl. U.S. coast north of 31N outside the coastal waters to 250 NM offshore: Synopsis for West Central North Atlantic Continental Shelf and Slope Waters beyond 20 NM to 250 NM Offshore including south of Georges Bank from 1000 fathoms to 250 NM Offshore. Hudson Canyon to Baltimore Canyon including the waters south of 1000 fathoms out to 40N 65W to 38N 67W to 36N 70W. Baltimore Canyon to Hatteras Canyon out to 36N 70W to 34N 71W. Hatteras Canyon to Cape Fear out to 34N 71W to 32N 73W. Cape Fear to 31N out to 32N 73W to 31N 74W.	ANZ080 ANZ081 ANZ082 ANZ083	NT1
			ANZ089	NT2
			ANZ084	
			ANZ085	
			ANZ086	
			ANZ088	

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

Gulf of Alaska Offshore Waters Forecast:

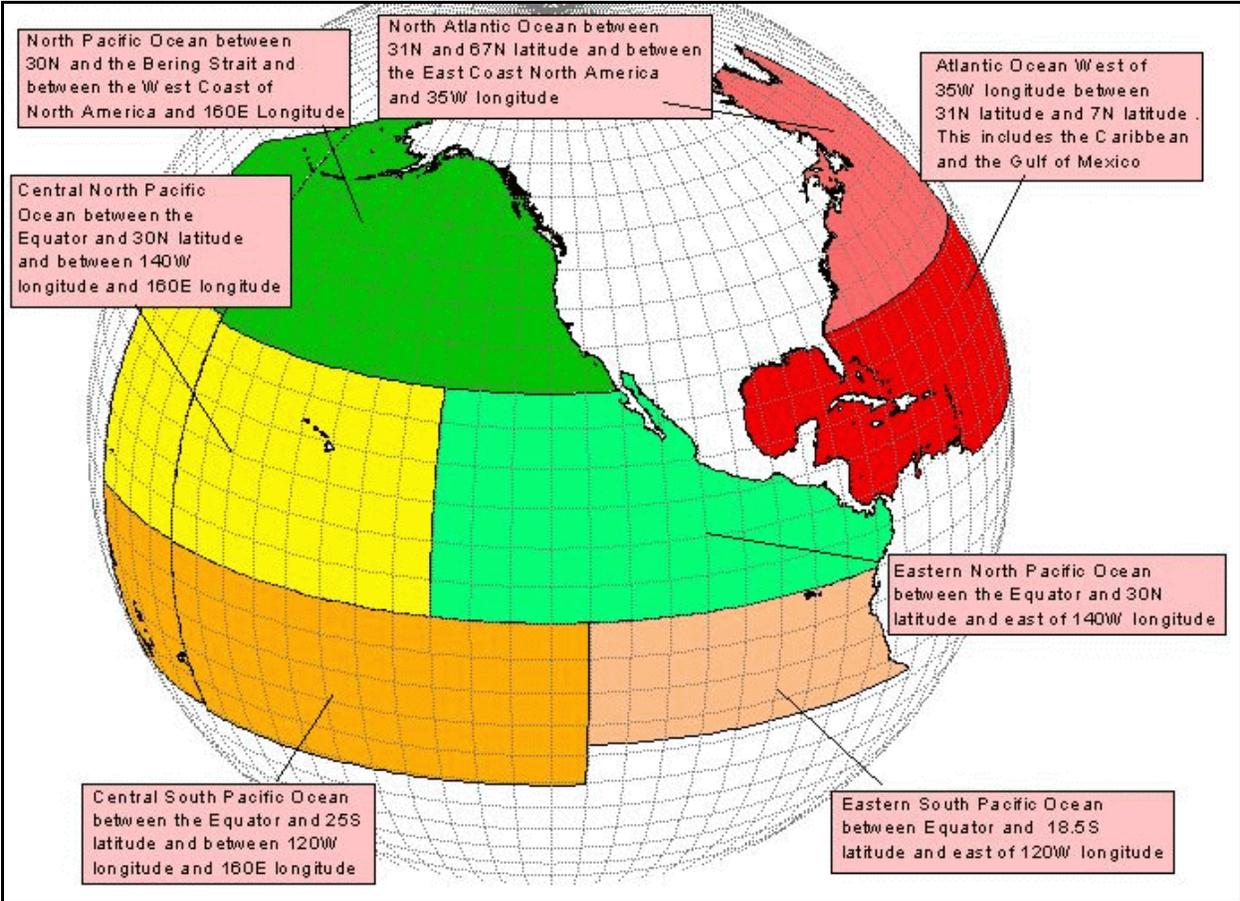
WFO AFC	The Gulf of Alaska north of 55 degrees North latitude	Synopsis for the western Gulf of Alaska.. Gulf of Alaska north of 55 degrees North and west of 144 degrees West. Synopsis for the eastern Gulf of Alaska. Gulf of Alaska north of 55 degrees North and east of 144 degrees West.	PKZ399 PKZ350 PKZ398 PKZ310	AFC
	The Bering Sea east of the International Date Line outside the Coastal Marine Waters	Central Bering Sea Offshore Waters Forecast: Synopsis for the Central Bering Sea. South Central Bering Sea east of the International Date Line.	PKZ499 PKZ410	AFC
WFO HFO	Non-coastal waters of the Pacific Ocean within 240 NM of Honolulu	Hawaiian Offshore Waters Forecast Synopsis for Offshore waters Offshore waters within 240 NM of Honolulu	PHZ105 PHZ180	HI

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4. NAVTEX Forecast Areas of Responsibility.

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

5. High Seas Forecast Areas of Responsibility.



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

6. National Marine Sanctuary Inclusions.

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

Note: Forecasters will reference the NWSI 10-1701, Text Product Format and Codes, <http://www.nws.noaa.gov/directives/010/pd01017001a.pdf>, for the proper usage of characters, case, and punctuation in the dissemination of all products.

7. Coastal and Offshore Marine Codes Listings for EAS and NWR Applications.

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

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

Note: The above table can be accessed under the Code Listings for Special Applications section on the NWS' AWIPS Map Database website found at the following URL:

<http://www.nws.noaa.gov/geodata/>.