



New Marine Zones for Alaska

To be implemented March 8, 2023

Key Points:

- In an effort to provide more specific marine weather information to our partners and the public, the National Weather Service Forecast Offices in Alaska have realigned Alaska’s marine forecast zones.
- The planned changes will result in more geographically-representative forecasts, advisory, watch, and warning products.
- A 'nearshore' forecast zone will cover from the coastline out to 15 NM. A 'coastal' forecast zone will then exist from 15 NM out up to 100 NM.
- Other changes have been made to forecast zones in the eastern Gulf of Alaska, Prince William Sound, Aleutians, and Bering Sea.
- Due to all of these changes, most marine forecast zone names and numbers in Alaska will change.
- The outer boundaries of the coastal marine forecast zones previously denoted as out to 100 NM will not change. However, with the use of improved technology we are able to more accurately reflect the distance of these boundaries from the Alaska coastline. Each of these zone names will now include a more precise description of how far out they extend from the coastline.
- This change is part of a comprehensive plan to provide increased flexibility and improved accuracy of forecast, watch, warning, and advisory products in Alaska.

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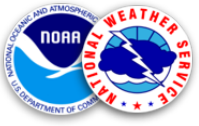
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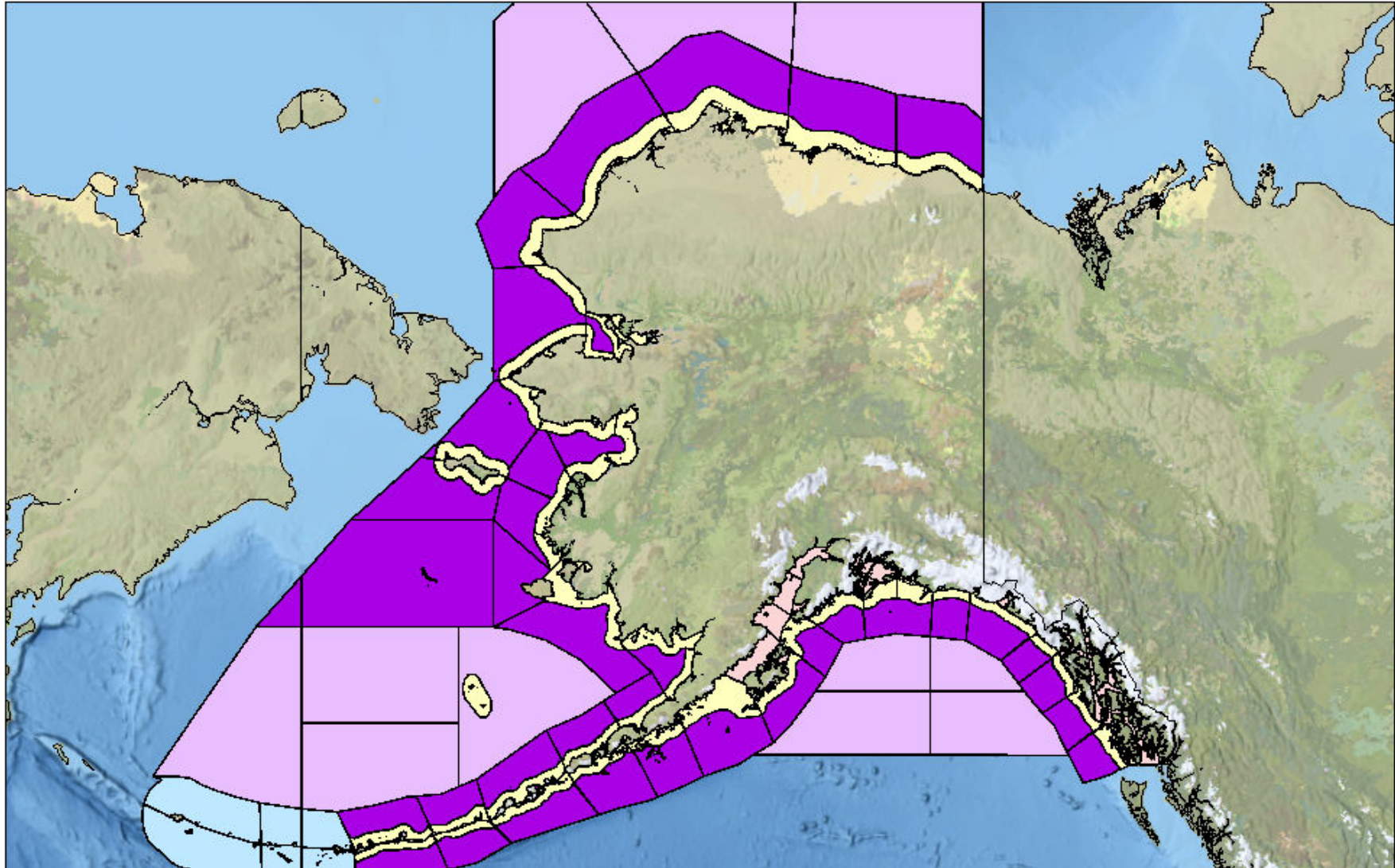
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




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Alaska Marine Forecast Zones (as of March 2023)

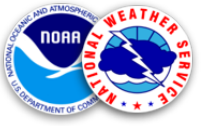


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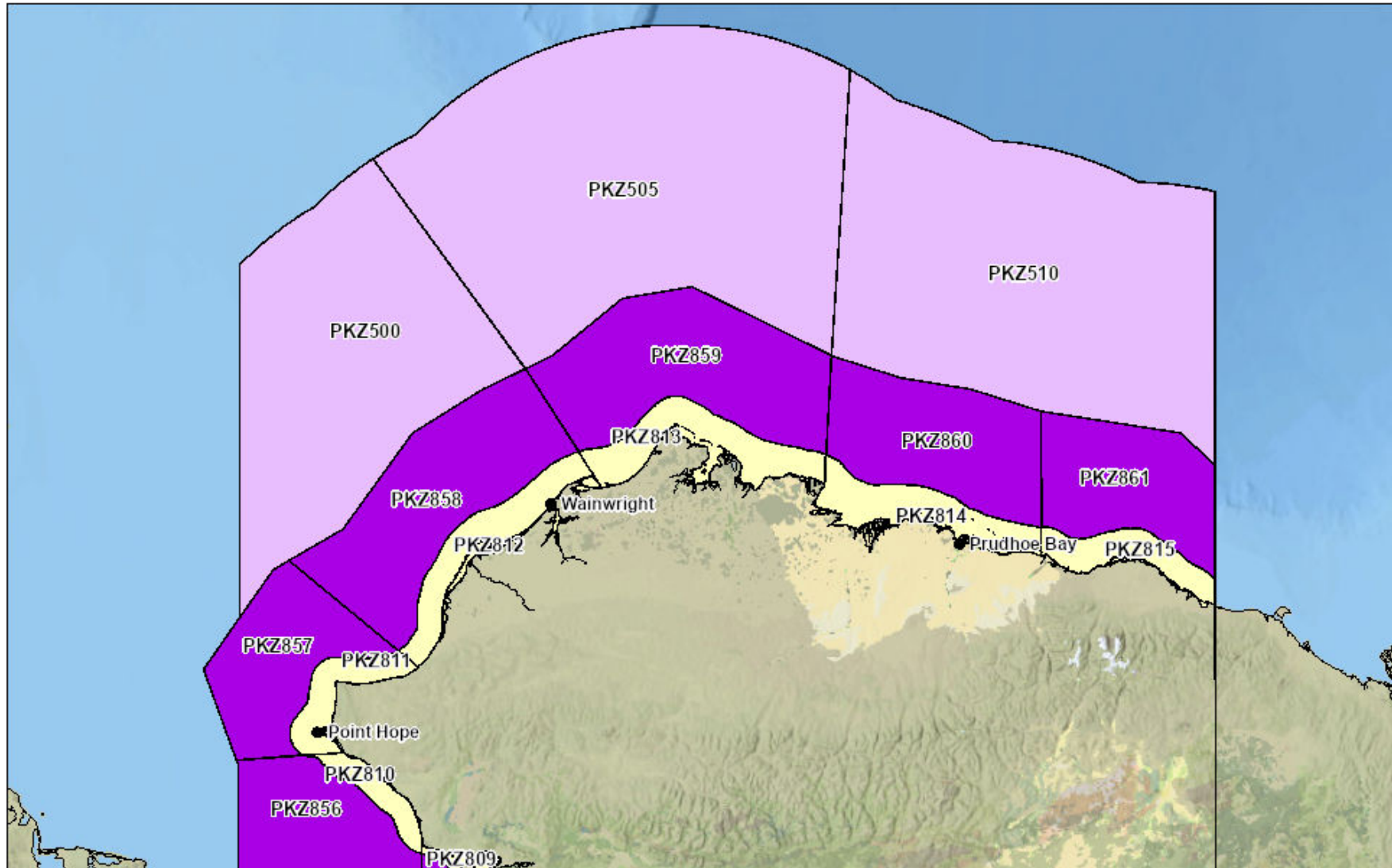
-  Alaska Near Shore Zones From 0 To 15 NM
-  Alaska Coastal Waters From 15 To Approximately 80 NM
-  Alaska Offshore Zones
-  Western Aleutian Zones
-  Alaska Inside Waters



Sources: Esri, USGS, Esri, USGS



Beaufort Sea

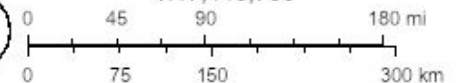


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-  Alaska Near Shore Zones From 0 To 15 NM
-  Alaska Coastal Waters From 15 To Approximately 80 NM
-  Alaska Offshore Zones



1:17,410,790



Sources: Esri, USGS, Esri, USGS



Alaska Marine Zone Numbers and Names (as of March 2023)

Offshore Marine Forecast Zones

Arctic Waters

PKZ500: Western US Arctic

PKZ510: Eastern US Arctic

PKZ505: Central US Arctic

Arctic Coastal Waters

PKZ811: Cape Thompson to Cape Beaufort out to 15 NM

PKZ810: Cape Krusenstern to Cape Thompson out to 15 NM

PKZ857: Cape Thompson to Cape Beaufort from 15 to 85 NM

PKZ812: Cape Beaufort to Point Franklin out to 15 NM

PKZ813: Point Franklin to Cape Halkett out to 15 NM

PKZ858: Cape Beaufort to Point Franklin from 15 to 85 NM

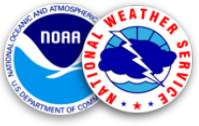
PKZ859: Point Franklin to Cape Halkett from 15 to 75 NM

PKZ814: Cape Halkett to Flaxman Island out to 15 NM

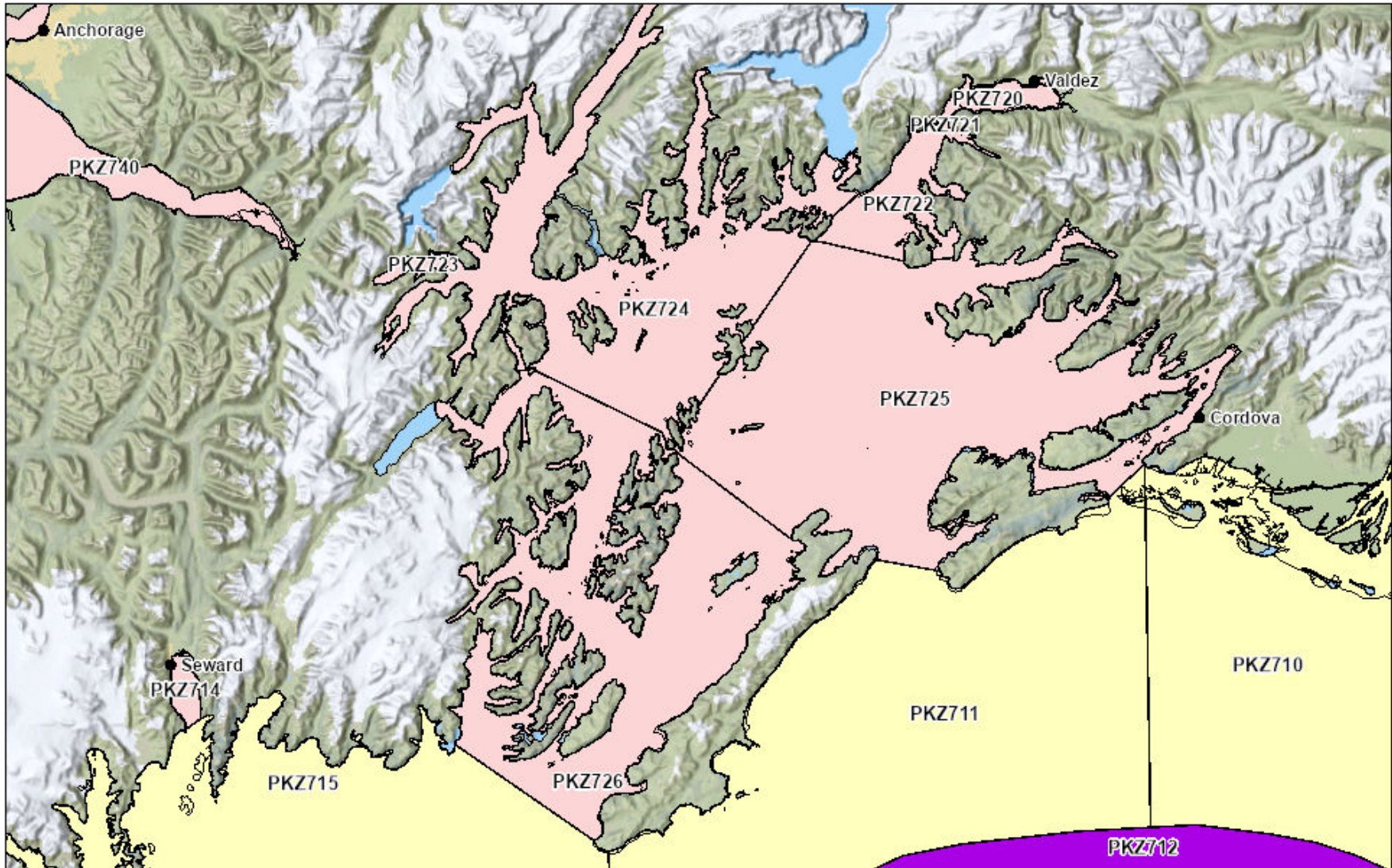
PKZ815: Flaxman Island to Demarcation Point out to 15 NM

PKZ860: Cape Halkett to Flaxman Island from 15 to 80 NM

PKZ861: Flaxman Island to Demarcation Point from 15 to 75 NM

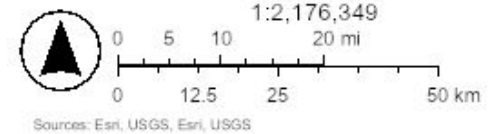


Prince William Sound



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-  Alaska Near Shore Zones From 0 To 15 NM
-  Alaska Coastal Waters From 15 To Approximately 80 NM
-  Alaska Inside Waters



Sources: Esri, USGS, Esri, USGS

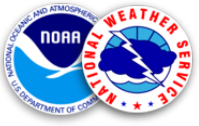


Alaska Marine Zone Numbers and Names (as of March 2023)

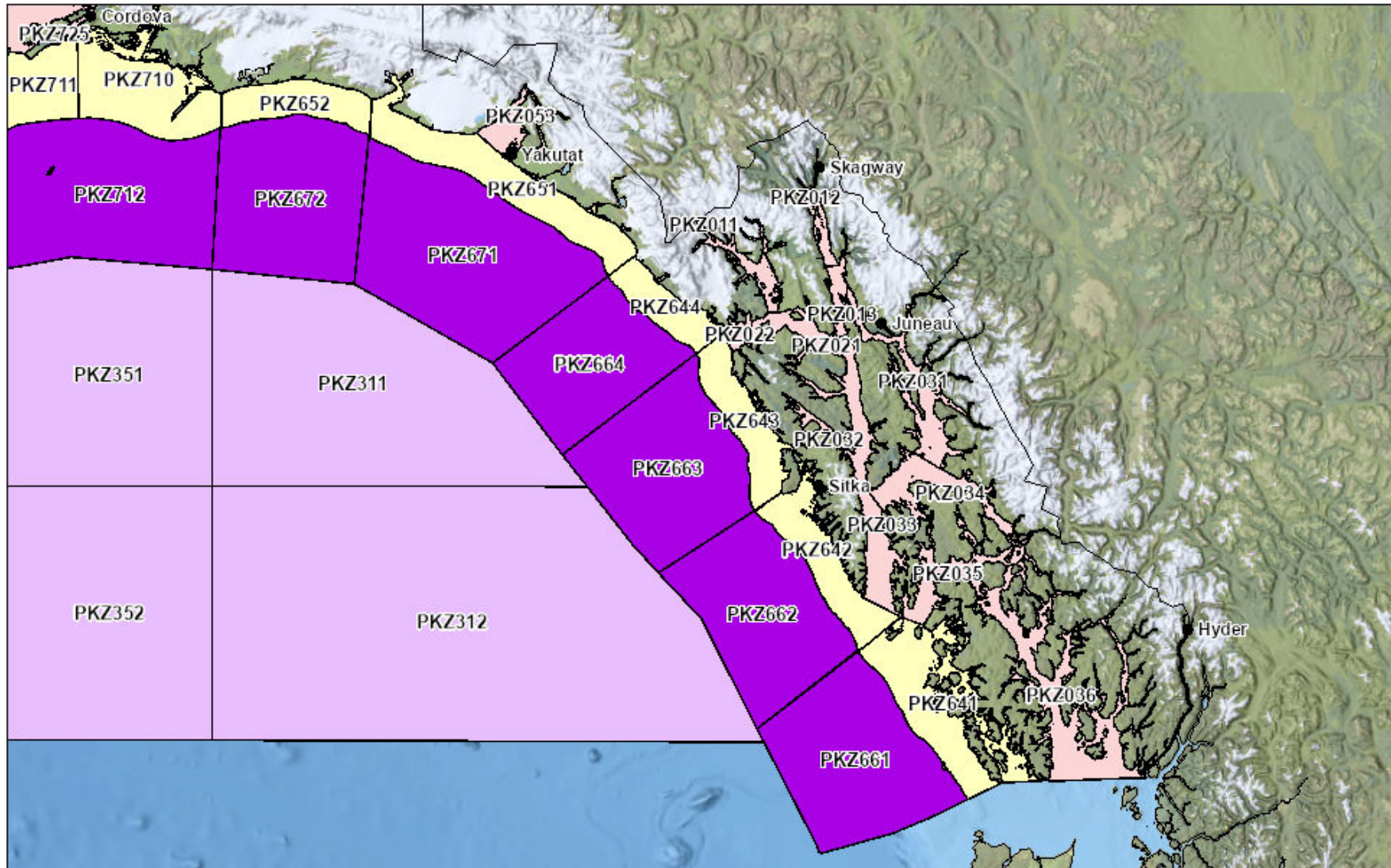
Coastal Marine Forecast Zones

North Gulf of Alaska Coastal Waters

| | |
|--|---|
| PKZ710: Cape Suckling to Gravel Point out to 15 NM | PKZ726: Southwest Prince William Sound |
| PKZ711: Gravel Point to Cape Cleare out to 15 NM | PKZ720: Port of Valdez |
| PKZ712: Cape Suckling to Cape Cleare from 15 to 100 NM | PKZ721: Valdez Narrows |
| PKZ715: Cape Cleare to Gore Point out to 15 NM | PKZ722: Valdez Arm |
| PKZ714: Resurrection Bay | PKZ723: Passage Canal |
| PKZ724: Northwest Prince William Sound | PKZ740: Cook Inlet North of Kalgin Island |
| PKZ725: Central and Eastern Prince William Sound | |

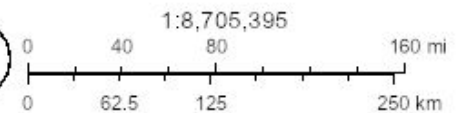


Eastern Gulf of Alaska

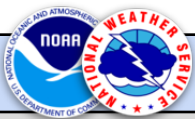


1/3/2023

- Alaska Near Shore Zones From 0 To 15 NM
- Alaska Coastal Waters From 15 To Approximately 80 NM
- Alaska Inside Waters
- Alaska Offshore Zones



Sources: Esri, USGS, Esri, USGS



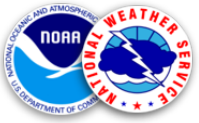
New Alaska Marine Zone Numbers and Names (as of March 2023)

Offshore Marine Forecast Zones

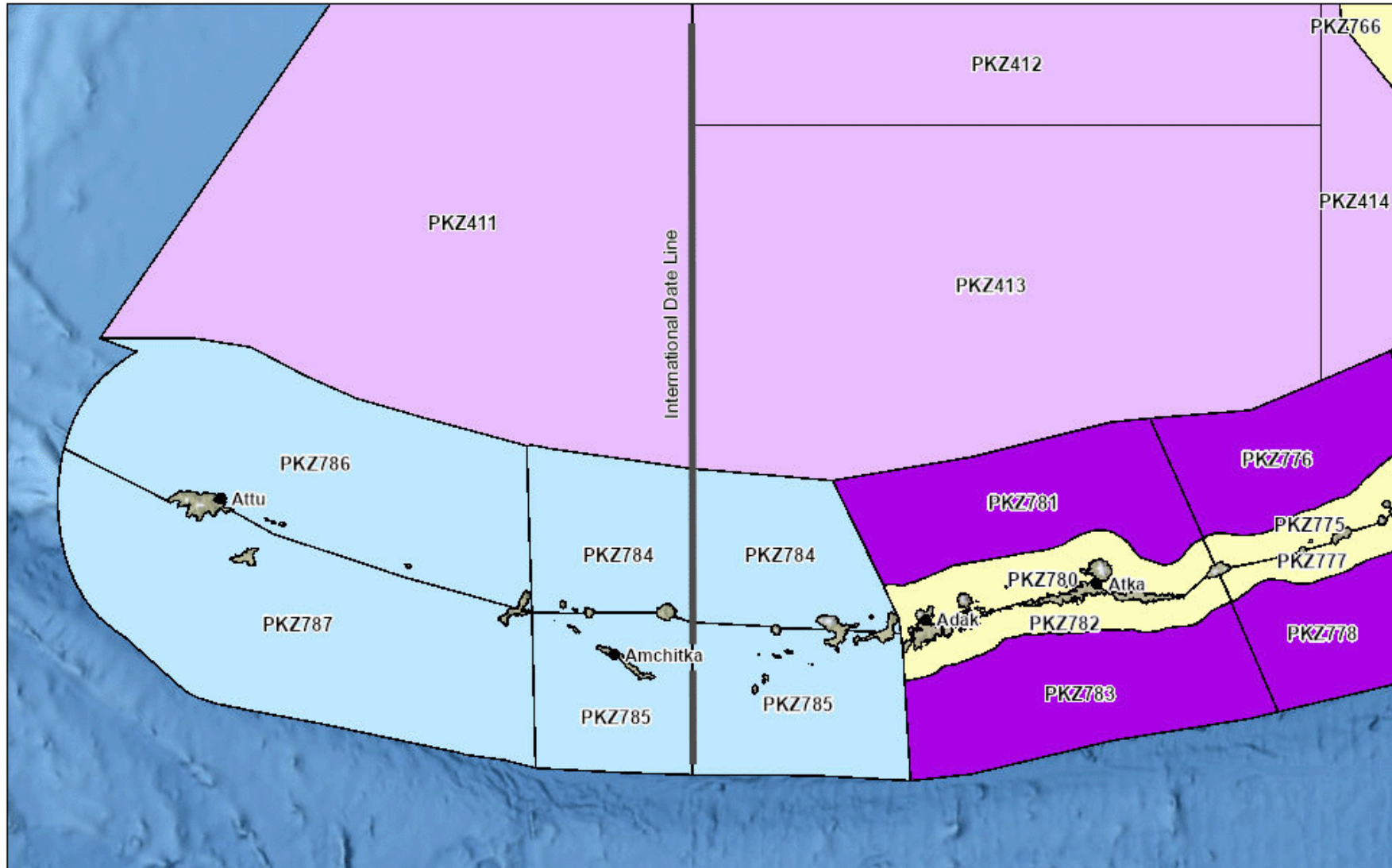
| Eastern Gulf of Alaska Offshore Waters | Western Gulf of Alaska Offshore Waters |
|---|---|
| PKZ311: Gulf of Alaska North of 57° North and East of 144° West | PKZ351: Gulf of Alaska North of 57° North and West of 144° West |
| PKZ312: Gulf of Alaska South of 57° North and East of 144° West | PKZ352: Gulf of Alaska South of 57° North, North of 55° North and West of 144° West |

Coastal Marine Forecast Zones

| Southeast Alaska Inner Channels | Southeast Alaska Coastal Waters |
|--|---|
| PKZ011: Glacier Bay | PKZ641: Dixon Entrance to Cape Decision out to 15 NM |
| PKZ012: Northern Lynn Canal | PKZ661: Dixon Entrance to Cape Decision from 15 to 90 NM |
| PKZ013: Southern Lynn Canal | PKZ642: Cape Decision to Cape Edgecumbe out to 15 NM |
| PKZ021: Icy Strait | PKZ662: Cape Decision to Cape Edgecumbe from 15 to 80 NM |
| PKZ022: Cross Sound | PKZ643: Cape Edgecumbe to Cape Spencer out to 15 NM |
| PKZ031: Stephens Passage | PKZ663: Cape Edgecumbe to Cape Spencer from 15 to 80 NM |
| PKZ032: Northern Chatham Strait | PKZ644: Cape Spencer to Cape Fairweather out to 15 NM |
| PKZ033: Southern Chatham Strait | PKZ664: Cape Spencer to Cape Fairweather from 15 to 85 NM |
| PKZ034: Frederick Sound | PKZ651: Cape Fairweather to Icy Cape out to 15 NM |
| PKZ035: Sumner Strait | PKZ671: Cape Fairweather to Icy Cape from 15 to 80 NM |
| PKZ036: Clarence Strait | PKZ652: Icy Cape to Cape Suckling out to 15 NM |
| PKZ053: Yakutat Bay | PKZ672: Icy Cape to Cape Suckling from 15 to 80 NM |
| North Gulf of Alaska Coastal Waters | |
| 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 | |

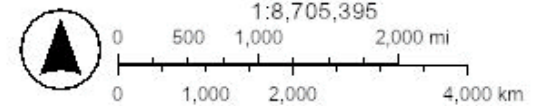


Western Aleutians



1/3/2023

- Alaska Near Shore Zones From 0 To 15 NM
- Alaska Coastal Waters From 15 To Approximately 80 NM
- Alaska Offshore Zones
- Western Aleutian Zones



Sources: Esri, USGS, Esri, USGS



Alaska Marine Zone Numbers and Names (as of March 2023)

Offshore Marine Forecast Zones

Bering Sea

PKZ411: Bering Sea West of 180° and East of the International Date Line

PKZ413: Bering Sea 171° West to 180° and South of 56° North

PKZ412: Bering Sea 171° West to 180° and North of 56° North

PKZ414: Bering Sea East of 171° West

Coastal Marine Forecast Zones

Southwest Alaska Coastal Waters and Aleutian Islands

PKZ775: Nikolski to Seguam Island Bering Side out to 15 NM

PKZ782: Seguam Island to Adak Pacific Side out to 15 NM

PKZ776: Nikolski to Seguam Island Bering Side from 15 to 85 NM

PKZ783: Seguam Island to Adak Pacific Side from 15 to 75 NM

PKZ777: Nikolski to Seguam Island Pacific Side out to 15 NM

PKZ784: Adak to Kiska Bering Side

PKZ778: Nikolski to Seguam Island Pacific Side from 15 to 75 NM

PKZ785: Adak to Kiska Pacific Side

PKZ780: Seguam Island to Adak Bering Side out to 15 NM

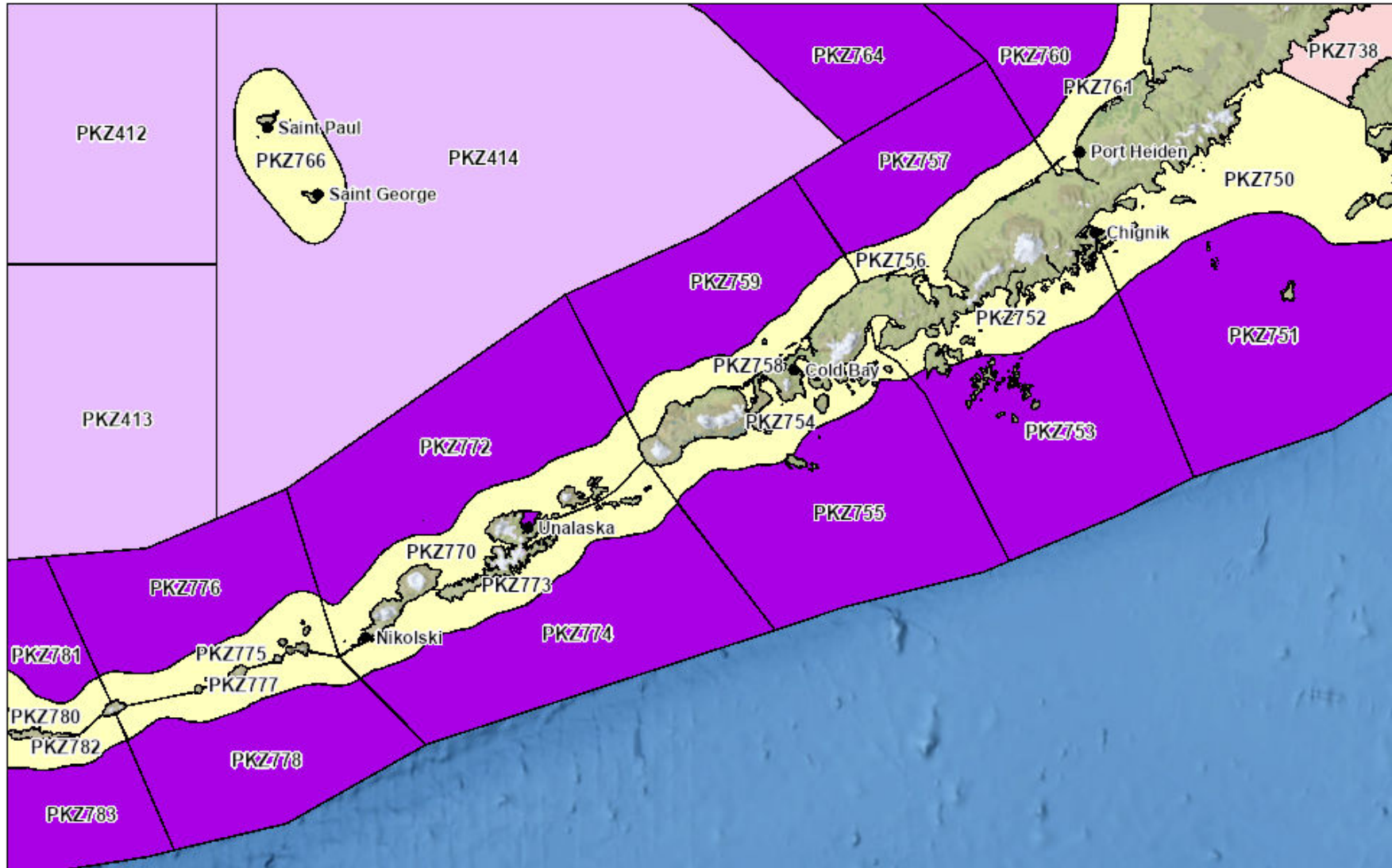
PKZ786: Kiska to Attu Bering Side

PKZ781: Seguam Island to Adak Bering Side from 15 to 85 NM



PKZ787: Kiska to Attu Pacific Side

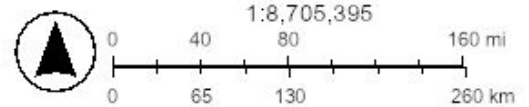


Eastern Aleutians



1/3/2023

-  Alaska Near Shore Zones From 0 To 15 NM
-  Alaska Inside Waters
-  Alaska Coastal Waters From 15 To Approximately 80 NM
-  Alaska Offshore Zones



Sources: Esri, USGS, Esri, USGS



Alaska Marine Zone Numbers and Names (as of March 2023)

Offshore Marine Forecast Zones

Bering Sea

PKZ412: Bering Sea 171° West to 180° and North of 56° North

PKZ414: Bering Sea East of 171° West

PKZ413: Bering Sea 171° West to 180° and South of 56° North

Coastal Marine Forecast Zones

North Gulf of Alaska Coastal Waters

Southwest Alaska Coastal Waters and Aleutian Islands (continued)

PKZ738: Shelikof Strait

PKZ772: Cape Sarichef to Nikoski Bering Side 15 to 85 NM

Southwest Alaska Coastal Waters and Aleutian Islands

PKZ771: Unalaska Bay

PKZ750: South of the AK Peninsula Sitkinak to Castle Cape out to 15 NM

PKZ773: Cape Sarichef to Nikoski Pacific Side out to 15 NM

PKZ751: South of the AK Peninsula Sitkinak to Castle Cape from 15 to 100 NM

PKZ774: Cape Sarichef to Nikoski Pacific Side from 15 to 85 NM

PKZ752: South of the AK Peninsula Castle Cape to Cape Tolstoi out to 15 NM

PKZ775: Nikolski to Seguam Island Bering Side out to 15 NM

PKZ753: South of the AK Peninsula Castle Cape to Cape Tolstoi from 15 to 100 NM

PKZ776: Nikolski to Seguam Island Bering Side from 15 to 85 NM

PKZ754: South of the AK Peninsula Cape Tolstoi to Cape Sarichef out to 15 NM

PKZ777: Nikolski to Seguam Island Pacific Side out to 15 NM

PKZ755: South of the AK Peninsula Cape Tolstoi to Cape Sarichef from 15 to 100 NM

PKZ778: Nikolski to Seguam Island Pacific Side from 15 to 75 NM

PKZ761: Bristol Bay from Port Heiden to Cape Chichagof out to 15 NM

PKZ780: Seguam Island to Adak Bering Side out to 15 NM

PKZ760: Bristol Bay greater than 15 NM

PKZ781: Seguam Island to Adak Bering Side from 15 to 85 NM

PKZ756: Port Heiden to Nelson Lagoon out to 15 NM

PKZ782: Seguam Island to Adak Pacific Side out to 15 NM

PKZ757: Port Heiden to Nelson Lagoon from 15 to 60 NM

PKZ783: Seguam Island to Adak Pacific Side from 15 to 75 NM

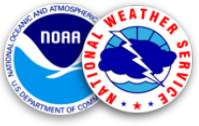
PKZ758: Nelson Lagoon to Cape Sarichef out to 15 NM

PKZ766: Pribilof Islands Nearshore Waters

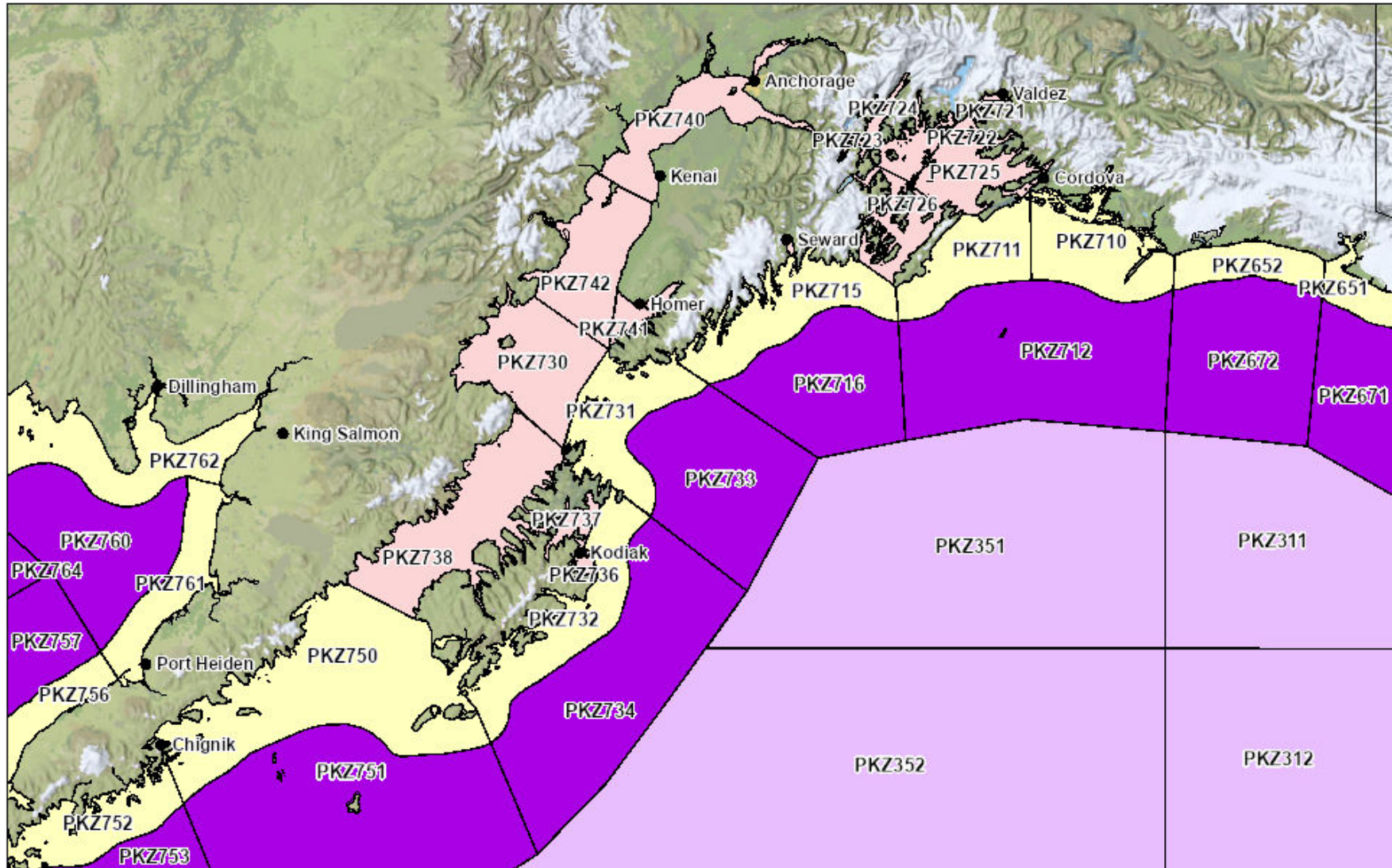
PKZ759: Nelson Lagoon to Cape Sarichef from 15 to 70 NM

PKZ764: Kuskokwim Delta from 15 to 80 NM

PKZ770: Cape Sarichef to Nikoski Bering Side out to 15 NM

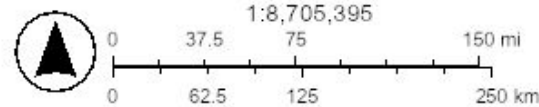


Kodiak Island to Cook Inlet



1/3/2023

- Alaska Near Shore Zones From 0 To 15 NM
- Alaska Inside Waters
- Alaska Coastal Waters From 15 To Approximately 80 NM
- Alaska Offshore Zones



Sources: Esri, USGS, Esri, USGS



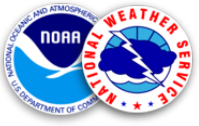
Alaska Marine Zone Numbers and Names (as of March 2023)

Offshore Marine Forecast Zones

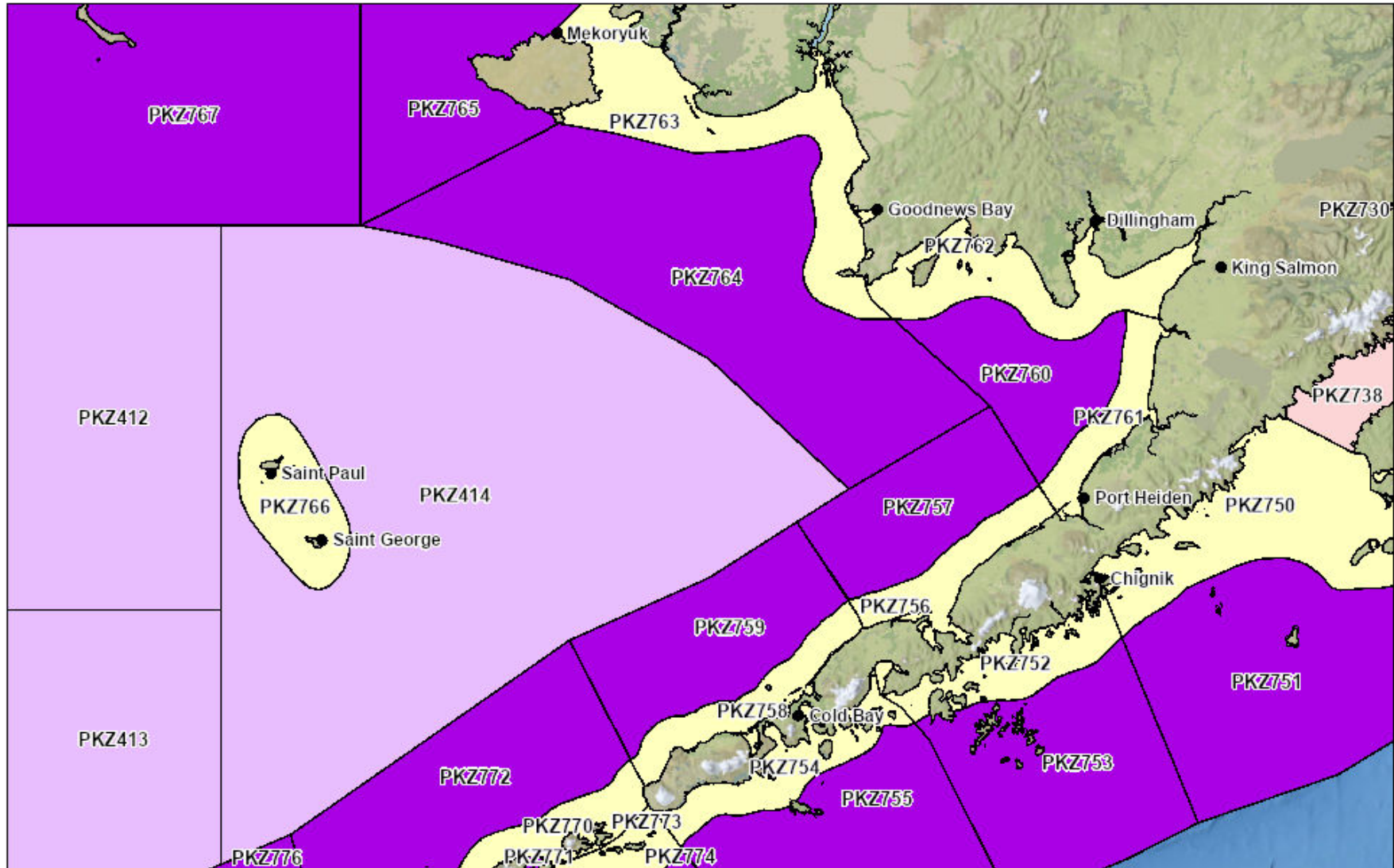
| Eastern Gulf of Alaska Offshore Waters | Western Gulf of Alaska Offshore Waters |
|---|---|
| PKZ311: Gulf of Alaska North of 57° North and East of 144° West | PKZ351: Gulf of Alaska North of 57° North and West of 144° West |
| PKZ312: Gulf of Alaska South of 57° North and East of 144° West | PKZ352: Gulf of Alaska South of 57° North, North of 55° North and West of 144° West |

Coastal Marine Forecast Zones





| Southeast Alaska Coastal Waters | North Gulf of Alaska Coastal Waters (continued) |
|--|--|
| PKZ651: Cape Fairweather to Icy Cape out to 15 NM | PKZ736: Chiniak Bay |
| PKZ671: Cape Fairweather to Icy Cape from 15 to 80 NM | PKZ737: Marmot Bay |
| PKZ652: Icy Cape to Cape Suckling out to 15 NM | PKZ738: Shelikof Strait |
| PKZ672: Icy Cape to Cape Suckling from 15 to 80 NM | PKZ740: Cook Inlet North of Kalgin Island |
| North Gulf of Alaska Coastal Waters | PKZ741: Kachemak Bay |
| PKZ710: Cape Suckling to Gravel Point out to 15 NM | PKZ742: Cook Inlet Kalgin Island to Point Bede |
| PKZ711: Gravel Point to Cape Cleare out to 15 NM | Southwest Alaska Coastal Waters and Aleutian Islands |
| PKZ712: Cape Suckling to Cape Cleare from 15 to 100 NM | PKZ750: South of the AK Peninsula Sitkinak to Castle Cape out to 15 NM |
| PKZ715: Cape Cleare to Gore Point out to 15 NM | PKZ751: South of the AK Peninsula Sitkinak to Castle Cape from 15 to 100 NM |
| PKZ716: Cape Cleare to Gore Point from 15 to 75 NM | PKZ752: South of the AK Peninsula Castle Cape to Cape Tolstoi out to 15 NM |
| PKZ730: West of Barren Islands including Kamishak Bay | PKZ754: South of the AK Peninsula Cape Tolstoi to Cape Sarichef out to 15 NM |
| PKZ731: Barren Islands East | PKZ761: Bristol Bay from Port Heiden to Cape Chichagof out to 15 NM |
| PKZ732: Marmot Island to Sitkinak out to 15 NM | PKZ760: Bristol Bay greater than 15 NM |
| PKZ734: Marmot Island to Sitkinak from 15 to 85 NM | PKZ756: Port Heiden to Nelson Lagoon out to 15 NM |
| PKZ733: Gore Point to Marmot Island from 15 to 80 NM | PKZ757: Port Heiden to Nelson Lagoon from 15 to 60 NM |

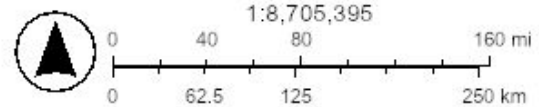


Bristol Bay



1/3/2023

-  Alaska Near Shore Zones From 0 To 15 NM
-  Alaska Coastal Waters From 15 To Approximately 80 NM
-  Alaska Offshore Zones
-  Alaska Inside Waters



Sources: Esri, USGS, Esri, USGS



Alaska Marine Zone Numbers and Names (as of March 2023)

Offshore Marine Forecast Zones

Bering Sea

PKZ412: Bering Sea 171° West to 180° and North of 56° North

PKZ414: Bering Sea East of 171° West

PKZ413: Bering Sea 171° West to 180° and South of 56° North

Coastal Marine Forecast Zones

North Gulf of Alaska Coastal Waters

Southwest Alaska Coastal Waters and Aleutian Islands (continued)

PKZ738: Shelikof Strait

PKZ758: Nelson Lagoon to Cape Sarichef out to 15 NM

Southwest Alaska Coastal Waters and Aleutian Islands

PKZ759: Nelson Lagoon to Cape Sarichef from 15 to 70 NM

PKZ750: South of the AK Peninsula Sitkinak to Castle Cape out to 15 NM

PKZ770: Cape Sarichef to Nikoski Bering Side out to 15 NM

PKZ751: South of the AK Peninsula Sitkinak to Castle Cape from 15 to 100 NM

PKZ772: Cape Sarichef to Nikoski Bering Side 15 to 85 NM

PKZ752: South of the AK Peninsula Castle Cape to Cape Tolstoi out to 15 NM

PKZ771: Unalaska Bay

PKZ753: South of the AK Peninsula Castle Cape to Cape Tolstoi from 15 to 100 NM

PKZ773: Cape Sarichef to Nikoski Pacific Side out to 15 NM

PKZ754: South of the AK Peninsula Cape Tolstoi to Cape Sarichef out to 15 NM

PKZ774: Cape Sarichef to Nikoski Pacific Side from 15 to 85 NM

PKZ755: South of the AK Peninsula Cape Tolstoi to Cape Sarichef from 15 to 100 NM

PKZ766: Pribilof Islands Nearshore Waters

PKZ761: Bristol Bay from Port Heiden to Cape Chichagof out to 15 NM

PKZ763: Kuskokwim Delta and Etolin Strait out to 15 NM

PKZ762: Bristol Bay from Cape Chichagof to Cape Peirce out to 15 NM

PKZ764: Kuskokwim Delta from 15 to 80 NM

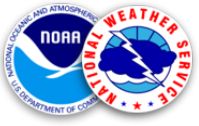
PKZ760: Bristol Bay greater than 15 NM

PKZ765: North and West of Nunivak Island

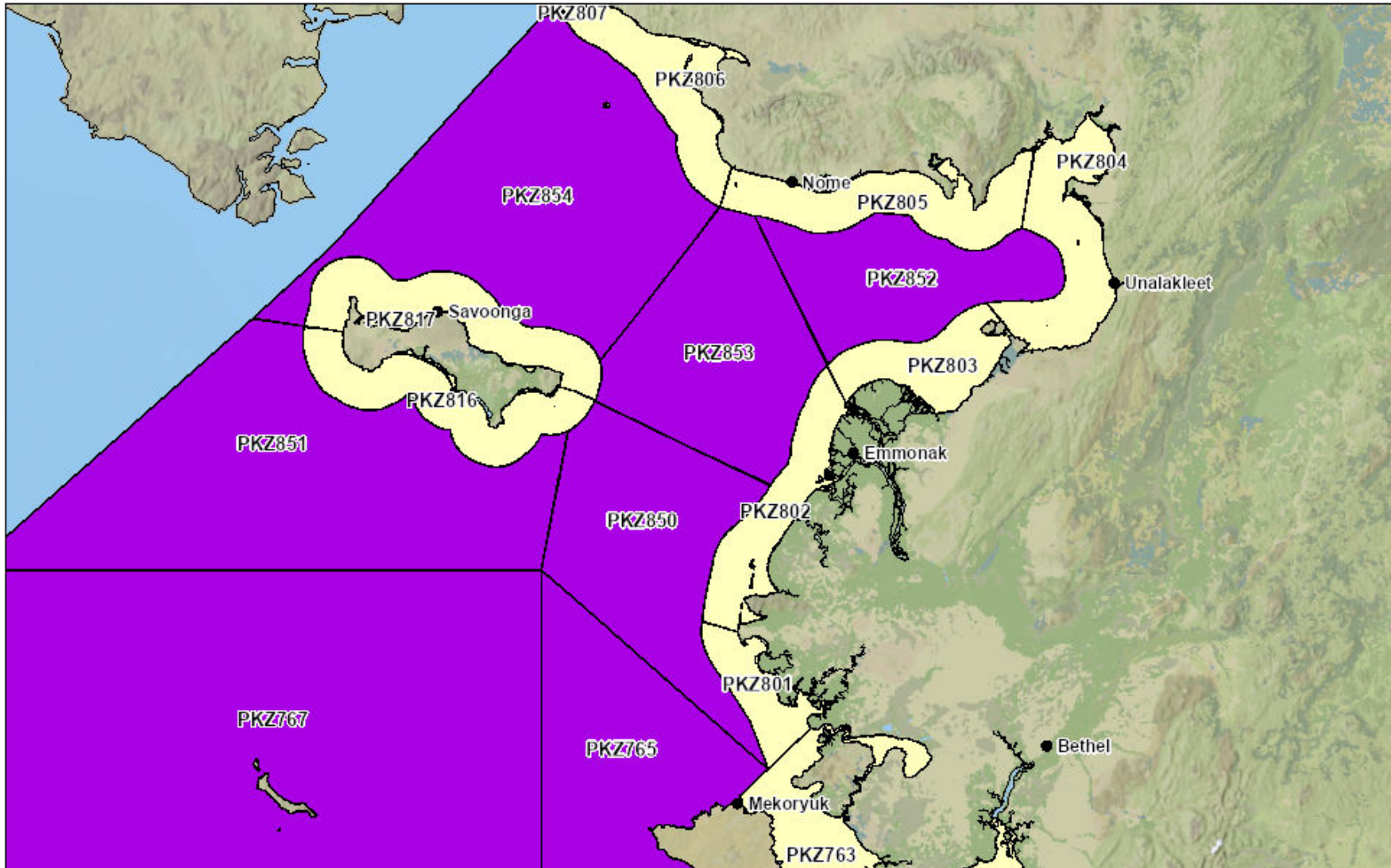
PKZ756: Port Heiden to Nelson Lagoon out to 15 NM

PKZ767: Saint Matthew Island Waters

PKZ757: Port Heiden to Nelson Lagoon from 15 to 60 NM

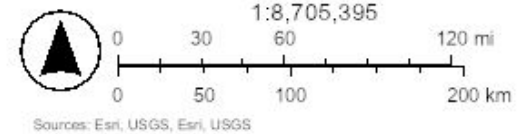


Saint Lawrence Island to Norton Sound



1/3/2023

-  Alaska Near Shore Zones From 0 To 15 NM
-  Alaska Coastal Waters From 15 To Approximately 80 NM

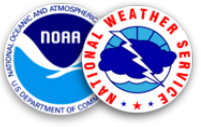




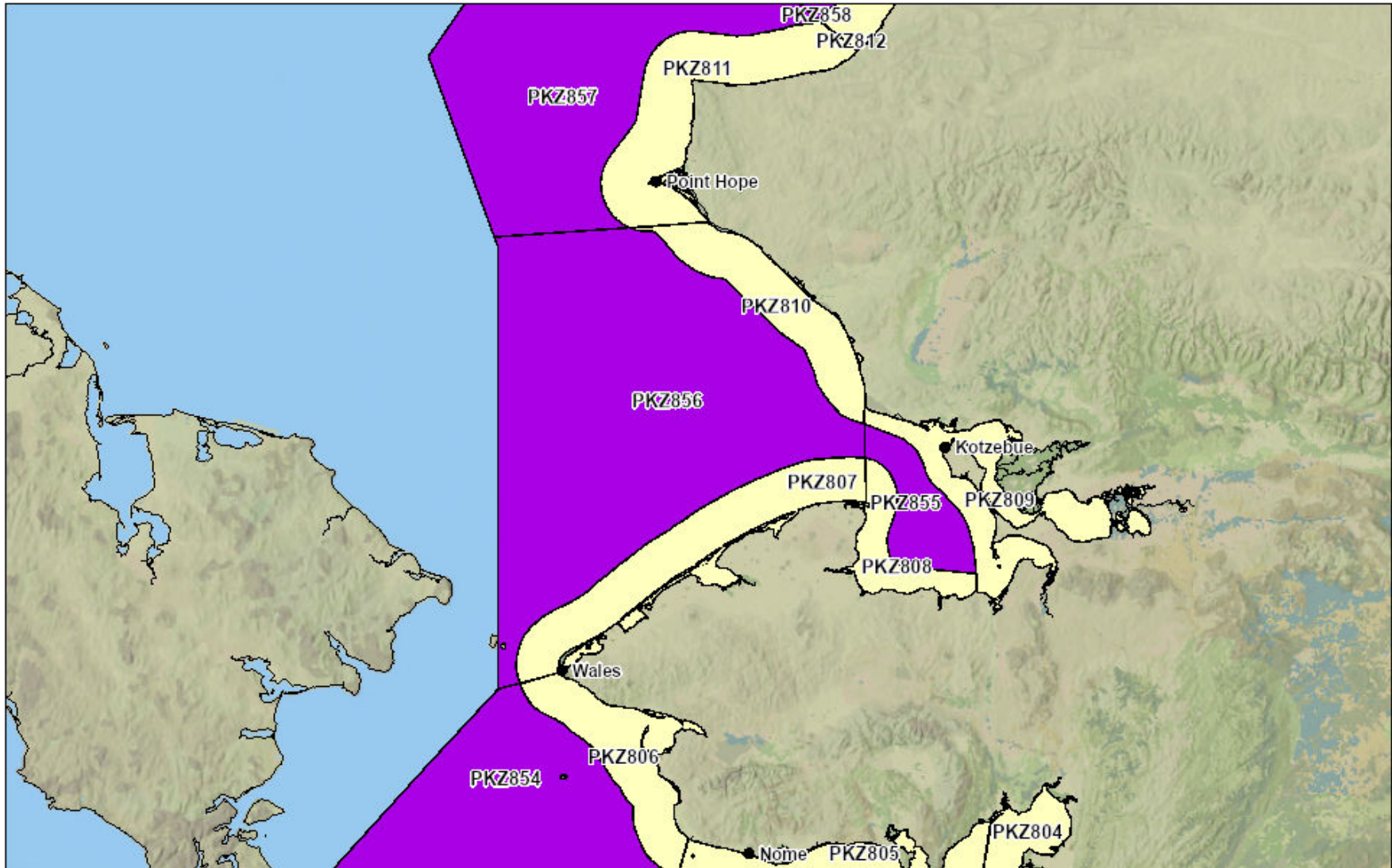
Alaska Marine Zone Numbers and Names (as of March 2023)

Coastal Marine Forecast Zones

| Southwest Alaska Coastal Waters and Aleutian Islands | Northwest Alaskan Coastal Waters (continued) |
|--|--|
| PKZ763: Kuskokwim Delta and Etolin Strait out to 15 NM | PKZ850: Etolin Strait to Kwemeluk Pass from 15 to 90 NM |
| PKZ765: North and West of Nunivak Island | PKZ851: Southwest of Saint Lawrence Island from 15 to 100 NM |
| PKZ767: Saint Matthew Island Waters | PKZ816: South side of Saint Lawrence Island out to 15 NM |
| Northwest Alaskan Coastal Waters | PKZ817: North side of Saint Lawrence Island out to 15 NM |
| PKZ801: Etolin Strait to Dall Point out to 15 NM | PKZ853: Kwemeluk Pass to Kwikpak Pass from 15 to 90 NM |
| PKZ802: Dall Point to Kwikpak Pass out to 15 NM | PKZ806: Sledge Island to Wales out to 15 NM |
| PKZ803: Kwikpak Pass to Cape Stephens out to 15 NM | PKZ854: Sledge Island to Wales greater than 15 NM |
| PKZ804: Cape Stephens to Moses Point out to 15 NM | PKZ807: Wales to Cape Espenberg out to 15 NM |
| PKZ805: Moses Point to Sledge Island out to 15 NM | PKZ850: Etolin Strait to Kwemeluk Pass from 15 to 90 NM |
| PKZ852: Norton Sound greater than 15 NM | |



Kotzebue Sound

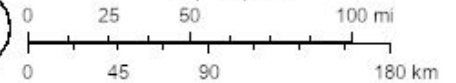


1/3/2023

-  Alaska Near Shore Zones From 0 To 15 NM
-  Alaska Coastal Waters From 15 To Approximately 80 NM



1:8,705,395



Sources: Esri, USGS, Esri, USGS



Alaska Marine Zone Numbers and Names (as of March 2023)

Coastal Marine Forecast Zones

| Northwest Alaskan Coastal Waters | Northwest Alaskan Coastal Waters (continued) |
|---|--|
| PKZ804: Cape Stephens to Moses Point out to 15 NM | PKZ810: Cape Krusenstern to Cape Thompson out to 15 NM |
| PKZ805: Moses Point to Sledge Island out to 15 NM | PKZ856: Wales to Cape Thompson greater than 15 NM |
| PKZ806: Sledge Island to Wales out to 15 NM | Arctic Coastal Waters |
| PKZ854: Sledge Island to Wales greater than 15 NM | PKZ811: Cape Thompson to Cape Beaufort out to 15 NM |
| PKZ807: Wales to Cape Espenberg out to 15 NM | PKZ857: Cape Thompson to Cape Beaufort from 15 to 85 NM |
| PKZ808: Cape Espenberg to Motherwood Point out to 10 NM | PKZ812: Cape Beaufort to Point Franklin out to 15 NM |
| PKZ809: Motherwood Point to Cape Krusenstern out to 10 NM | PKZ858: Cape Beaufort to Point Franklin from 15 to 85 NM |
| PKZ855: Kotzebue Sound greater than 10 NM | |