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From: Mark A. Tew
Chief, Marine and Coastal Weather Services Branch

Subject: Corrected: Changes in Offshore Waters Marine Zones for the New England and West Central North Atlantic and for the Washington, Oregon and California Waters in the Pacific Ocean: Effective April 1, 2014

The following corrections were made:

1. Corrected name of ANZ915 in Table 2 from:
   ANZ915 - Between 1,000 fathoms and 39N west of 69W to
   ANZ915 - Between 1,000 fathoms and 38.5N west of 69W.

2. Corrected Headings and AWIPS Identifiers in Table 4: Pacific World Meteorological Organization (WMO) Headings were incorrectly listed as FZNT35 KWBC and FZNT36 KWBC. These headings have been corrected to FZPN35 KWBC and FZPN36 KWBC. In addition, all Advanced Weather Interactive Processing System (AWIPS) identifiers in Table 4 were corrected from nine to six characters.

Effective Tuesday, April 1, 2014, at 200 PM Eastern Daylight Time (EDT) or 1800 Coordinated Universal Time (UTC), the Ocean Prediction Center (OPC) of the National Centers for Environmental Prediction (NCEP) will reconfigure its marine zones for the offshore waters in both the Atlantic and Pacific Oceans. The Atlantic offshore waters include New England and the west central North Atlantic. For the Pacific this includes the offshore waters of Washington, Oregon and California.

Currently, there are eight marine zones covering the OPC
Atlantic offshore waters and five marine zones covering the Pacific offshore waters. These zones will be reconfigured into 18 marine zones for the Atlantic offshore waters and 19 marine zones to cover the Pacific offshore waters. Marine observations, local effects, and customer feedback all indicate that the current marine zones are too large to provide the necessary detail for the marine community. This reconfiguration will serve to improve the precision of marine warnings, forecasts and other services by allowing forecasters to be more area specific.

Table 1 lists the current marine zones and corresponding Universal Geographic Codes (UGCs) for which OPC issues forecasts and warnings.

Table 2 lists the marine zones and corresponding UGCs for which OPC will issue forecasts and warnings effective April 1, 2014.

Table 3 lists all of the products issued by OPC that will be affected by the marine zone changes.

Table 4 lists future product headers for U.S. Coast Guard (USCG) voice broadcasts.

Table 1: Current Marine Zones and Corresponding UGCs for which OPC Issues Offshore Forecasts and Warnings

<table>
<thead>
<tr>
<th>OPC Atlantic Ocean Offshore Waters</th>
<th>UGC - Zone Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>----------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>ANZ080 - Synopsis for New England Waters</td>
<td>ANZ081 - Gulf of Maine to the Hague Line</td>
</tr>
<tr>
<td>ANZ082 - Georges Bank from the Northeast Channel to the Great South Channel including the waters east of Cape Cod to the Hague Line</td>
<td>ANZ083 - South of New England from the Great South Channel to Hudson Canyon including the waters south of Martha’s Vineyard and Nantucket Island out to 1,000 fathoms</td>
</tr>
<tr>
<td>ANZ089 - Synopsis for Mid Atlantic Waters</td>
<td>ANZ084 - Hudson to Baltimore Canyon</td>
</tr>
<tr>
<td>ANZ085 - Baltimore Canyon to Hatteras Canyon out to 36N 70W to 34N 71W</td>
<td></td>
</tr>
</tbody>
</table>
ANZ086 – Hatteras Canyon to Cape Fear out to 34N 71W to 32N 73W
ANZ088 – Cape Fear to 31N out to 32N 73W to 31N 74W
ANZ094 – Baltimore Canyon to the Hague Line South of 1,000 fathoms

OPC Pacific Ocean Offshore Waters UGC – Zone Name
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PZZ080 – Synopsis for Washington and Oregon Waters
PZZ081 – Cape Flattery to Cape Lookout
PZZ082 – Cape Lookout to Point St. George
PZZ089 – Synopsis for California Waters Offshore
PZZ083 – Point St. George to Point Arena
PZZ084 – Point Arena to Point Conception
PZZ085 – Point Conception to Guadalupe Island

Table 2: Marine Zones and Corresponding UGCs for which OPC will Issue Forecasts and Warnings Effective April 1, 2014

OPC Atlantic Offshore Waters
NEW UGC – New Marine Zone Name
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ANZ898 – Synopsis for New England waters
ANZ899 – Synopsis for Mid Atlantic waters
ANZ800 – Gulf of Maine to the Hague Line
ANZ805 – Georges Bank between Cape Cod and 68W north of 1,000 fathoms
ANZ810 – South of New England between the Great South Channel and Montauk Point to 1,000 fathoms
ANZ815 – South of Long Island between Montauk Point and Sandy Hook to 1,000 fathoms
ANZ820 – Hudson Canyon to Baltimore Canyon to 1,000 fathoms
ANZ825 – Baltimore Canyon to Hatteras Canyon to 100 NM offshore
ANZ828 – Cape Charles Light to Currituck Beach Light to 100 NM offshore
ANZ830 – Currituck Beach Light to Cape Hatteras to 100 NM offshore
ANZ833 - Cape Hatteras to Cape Fear to 100 NM offshore
ANZ835 - Cape Fear to 31N to 1,000 fathoms
ANZ900 - Georges Bank between 68W and the Hague Line
ANZ905 - East of 69W to the Hague Line between 1,000 fathoms and 39N
ANZ910 - East of 69W and south of 39N to 250 NM offshore
ANZ915 - Between 1,000 fathoms and 38.5N west of 69W
ANZ920 - Baltimore Canyon to 69W east of 1,000 fathoms and south of 38.5N to 250 NM offshore
ANZ925 - Baltimore Canyon to Hatteras Canyon between 100 NM and 250 NM offshore
ANZ930 - Hatteras Canyon to Cape Fear 100 NM and 250 NM offshore
ANZ935 - Cape Fear to 31N east of 1,000 fathoms to 250 NM offshore

OPC Pacific Offshore Waters
NEW UGC - New Marine Zone Name
--------- -------------------
PZZ898 - Synopsis for Washington and Oregon waters
PZZ899 - Synopsis for California waters
PZZ800 - Cape Flattery to Cape Shoalwater between 60 NM and 150 NM offshore
PZZ805 - Cape Shoalwater to Cape Lookout between 60 NM and 150 NM offshore
PZZ810 - Cape Lookout to Florence, OR between 60 NM and 150 NM offshore
PZZ815 - Florence, OR to Point St. George between 60 NM and 150 NM offshore
PZZ900 - Cape Flattery to Cape Shoalwater between 150 NM and 250 NM offshore
PZZ905 - Cape Shoalwater to Cape Lookout between 150 NM and 250
NM offshore

PZZ910 - Cape Lookout to Florence, OR between 150 NM and 250 NM offshore

PZZ915 - Florence, OR to Point St. George between 150 NM and 250 NM offshore

PZZ820 - Point St. George to Point Arena between 60 NM and 150 NM offshore

PZZ825 - Point Arena to Pigeon Point between 60 NM and 150 NM offshore

PZZ830 - Pigeon Point to Point Piedras Blancas between 60 NM and 150 NM offshore

PZZ835 - Point Piedras Blancas to Santa Cruz Island, CA between 60 NM and 150 NM offshore

PZZ840 - Santa Cruz Island, CA to San Clemente Island, CA between 60 NM and 150 NM offshore

PZZ920 - Point St. George to Point Arena between 150 NM and 250 NM offshore

PZZ925 - Point Arena to Pigeon Point between 150 NM and 250 NM offshore

PZZ930 - Pigeon Point to Point Piedras Blancas between 150 NM and 250 NM offshore

PZZ935 - Point Piedras Blancas to Santa Cruz Island, CA between 150 NM and 250 NM offshore

PZZ940 - Santa Cruz Island, CA to 120W between 150 NM and 250 NM offshore

PZZ945 - 120W to San Clemente Island, CA between 150 NM and 250 NM offshore

To view images of the current marine zones and the proposed marine zones for which OPC will issue forecasts and warnings effective April 1, 2014, go to the following website:

http://www.opc.ncep.noaa.gov/new_zones.php
### Table 3: OPC Products Affected by the Marine Zone Changes
Effective April 1, 2014

<table>
<thead>
<tr>
<th>Atlantic Product Name</th>
<th>WMO Heading</th>
<th>AWIPS ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offshore Waters Forecast</td>
<td>FZNT21 KWBC</td>
<td>OFFNT1</td>
</tr>
<tr>
<td>Offshore Waters Forecast</td>
<td>FZNT22 KWBC</td>
<td>OFFNT2</td>
</tr>
<tr>
<td>Boston, MA NAVTEX Forecast</td>
<td>FZNT23 KWNM</td>
<td>OFFN01</td>
</tr>
<tr>
<td>Portsmouth, VA NAVTEX Forecast</td>
<td>FZNT24 KWNM</td>
<td>OFFN02</td>
</tr>
<tr>
<td>Charleston, SC NAVTEX Forecast</td>
<td>FZNT25 KWNM</td>
<td>OFFN03</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pacific Product Name</th>
<th>WMO Heading</th>
<th>AWIPS ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offshore Waters Forecast</td>
<td>FZPN25 KWBC</td>
<td>OFFPZ5</td>
</tr>
<tr>
<td>Offshore Waters Forecast</td>
<td>FZPN26 KWBC</td>
<td>OFFPZ6</td>
</tr>
<tr>
<td>Astoria, OR NAVTEX Forecast</td>
<td>FZPN24 KWMN</td>
<td>OFFN09</td>
</tr>
<tr>
<td>San Francisco, CA NAVTEX Forecast</td>
<td>FZPN23 KWMN</td>
<td>OFFN08</td>
</tr>
<tr>
<td>Cambria, CA NAVTEX Forecast</td>
<td>FZPN22 KWMN</td>
<td>OFFN07</td>
</tr>
</tbody>
</table>

Customers must reprogram affected hardware and software to continue correctly processing the products listed in Table 3.

Also, customers using a graphical representation of these zones must download an updated marine zone map shapefile to correctly depict the marine forecast areas for the Atlantic and Pacific Ocean offshore marine zones. An updated marine zone map shapefile containing the new zones effective April 1, 2014 is available for download from the following website:


To meet the time constraints for broadcast via USCG NAVTEX, the NAVTEX products will combine the forecasts for the zones so are similar to the NAVTEX forecasts before reconfiguration.

To meet the time constraints for voice broadcast via the USCG, four new products will be made available as listed in Table 4. These products will combine forecasts for the 18 zones in the Atlantic and 19 zones in the Pacific in such a way that they will be similar to the Offshore Waters Forecasts before reconfiguration.
Table 4: Future Product Headers for USCG Voice Broadcasts:

<table>
<thead>
<tr>
<th>Product Name</th>
<th>WMO Heading</th>
<th>AWIPS ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broadcast Text for offshore New England</td>
<td>FZNT33</td>
<td>KWBC</td>
</tr>
<tr>
<td>Broadcast Text for offshore mid Atlantic</td>
<td>FZNT34</td>
<td>KWBC</td>
</tr>
<tr>
<td>Broadcast Text for offshore Washington/Oregon</td>
<td>FZPN35</td>
<td>KWBC</td>
</tr>
<tr>
<td>Broadcast Text for offshore California</td>
<td>FZPN36</td>
<td>KWBC</td>
</tr>
</tbody>
</table>

If you have any questions or comments about this reconfiguration of OPC offshore waters marine zones, please contact:

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National Service Change Notices are online at:

https://www.weather.gov/notification/archive

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