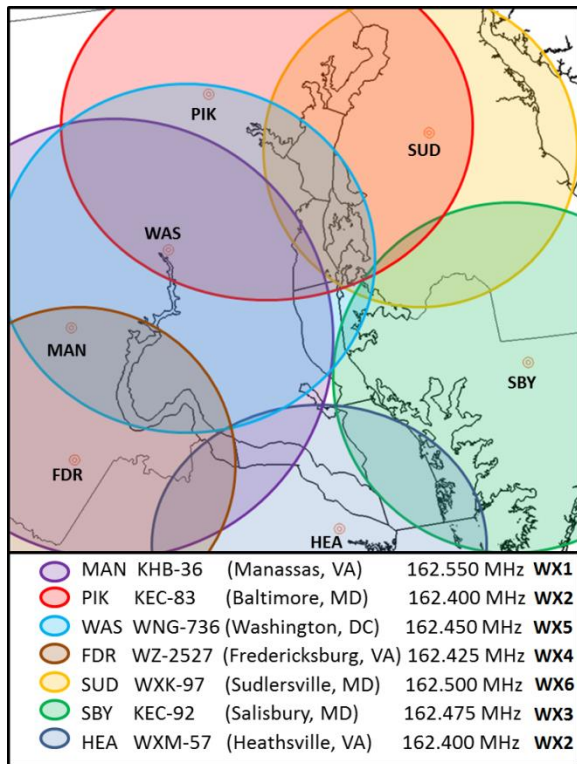


NOAA Weather Radio (NWR)

This 24/7 weather radio broadcast is the best way to receive weather alerts and updates on the water and is a must-have for any boat.



Seven NWR transmitters broadcast weather observations, forecasts, and warnings for the Maryland part of the Chesapeake Bay. A tone alarm will alert for warnings.



NWR coverage pattern for MD Chesapeake Bay



Boat responsibly: Wear a life jacket!



National Weather Service
 Baltimore/Washington Weather Forecast Office
 43858 Weather Service Road
 Sterling, VA 20166
 (703) 996-2200
weather.gov/lwx



Marine and Tide Forecasts and Warnings

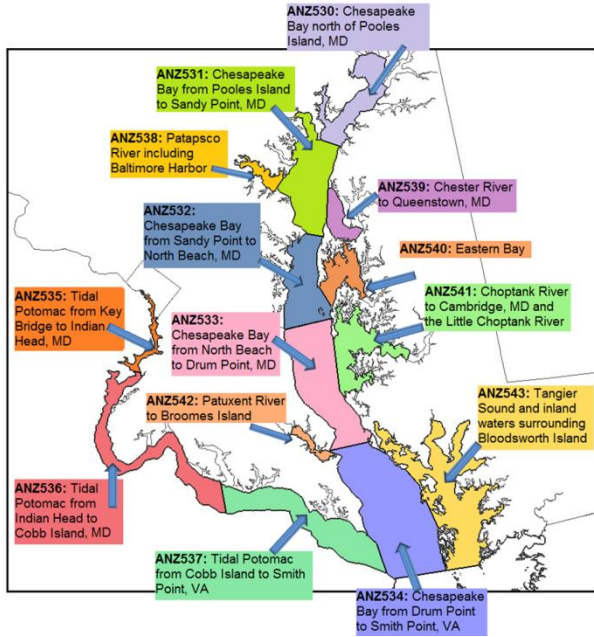
“Be in the know before you go!”



U. S. Department of Commerce
 National Oceanic & Atmospheric Admin.
 National Weather Service
 Baltimore/Washington Forecast Office
 Sterling, Virginia

Marine Weather

We provide marine forecasts and warnings for 14 zones on Tidal Potomac River and the Maryland Portion of the Chesapeake Bay. A Coastal Waters Forecast is issued for each zone.



Elements for Coastal Waters Forecasts:

- Synopsis (with future wind headlines)
- Wind Speed, Direction, Gust
- Wave Height
- Weather, Visibility

```
TIDAL POTOMAC FROM COBB ISLAND TO SMITH POINT-
432 PM EDT MON OCT 19 2015

...SMALL CRAFT ADVISORY IN EFFECT FROM 10 PM EDT THIS EVENING
THROUGH TUESDAY MORNING...

.REST OF THIS AFTERNOON...S WINDS 5 KT. WAVES FLAT.
.TONIGHT...SW WINDS 10 TO 15 KT. GUSTS UP TO 20 KT IN THE LATE
EVENING AND OVERNIGHT. WAVES 1 TO 2 FT.
.TUE...SW WINDS 10 TO 15 KT WITH GUSTS TO 20 KT. WAVES 1 TO 2 FT.
.TUE NIGHT...SW WINDS 5 TO 10 KT. WAVES 1 FT.
.WED...SW WINDS 5 TO 10 KT. WAVES 1 FT.
.WED NIGHT...S WINDS 5 TO 10 KT. WAVES 1 FT.
.THU...SW WINDS 5 TO 10 KT...BECOMING NW AFTER MIDNIGHT. WAVES 1 TO
2 FT.
.FRI...N WINDS 10 TO 15 KT. WAVES 3 FT...SUBSIDING TO 1 FT.
```

Example Coastal Waters Forecast for a zone

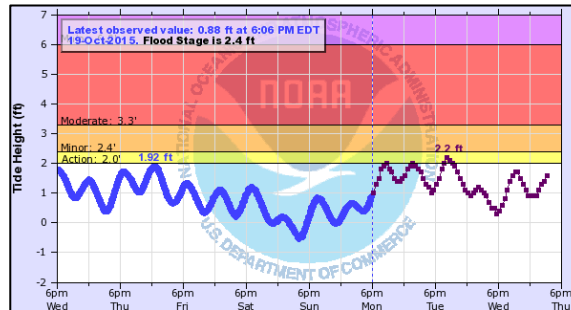
Marine Wind Headlines (Criteria):

- Small Craft Advisory (18-33 knots)
- Gale Warning (34-47 knots)
- Storm Warning (48-63 knots)
- Hurricane Force Wind Warning (>= 64 knots)

Marine Warning Headlines:

- Severe Thunderstorm/Tornado Watch
- Special Marine Warning (34 knot or more wind, waterspout, 3/4" hail)
- Marine Weather Statement (Brief wind, dense fog, low water, advance notice of dangerous thunderstorms)
- Tropical Cyclone Watch/Warning

Tide Forecasts



Tide observation (blue) and forecast (maroon)

We forecast the tidal water level for both coastal flooding and blowout tide conditions at locations with tide gauges. **Coastal Flood Watch and Warning:** moderate and major coastal flooding. **Coastal Flood Advisory:** minor coastal flooding. **Marine Weather Statement:** blowout tides.

Elements for Tide Forecasts:

- Wind Speed, Direction, Duration
- Astronomical Tide Prediction
- Barometric Pressure Pattern, Moon Phase



Tide gauge and water level forecast locations



Websites for Marine Weather and Tides:

- NWS Forecast Office for MD Bay Area weather.gov/lwx/marine, mobile.weather.gov
- National Data Buoy Observations ndbc.noaa.gov/maps/Chesapeake_Bay.shtml
- Chesapeake Bay Interpretive Buoys buoybay.noaa.gov "Smart Buoys" App
- NWS River/Tide Observations and Forecasts water.weather.gov/ahps2/index.php?wfo=lwx
- NOAA Tide Observations and Forecasts tidesonline.noaa.gov
- tidesandcurrents.noaa.gov/ofc/cbofs/cbofs.html
- Ocean Prediction Center opc.ncep.noaa.gov "Coast Guard" App