



Fixed Station Monthly Monitoring

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Chesapeake Bay Mainstem - Cove Point (CB4.4)



Location:

Northeast of Cove Point

Coordinates (NAD83):

Latitude: 38.4132°

Longitude: -76.3430°

Description:

This station is a mid-channel site located in the mid Chesapeake Bay, northeast of Cove Point. This station is located in the mesohaline zone (salinity 5 to 18 ppt).

Current Parameter: [Water Temperature](#)

Choose Other Parameters:

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[Dissolved Oxygen](#)

[Water Temperature](#)

[Salinity](#)

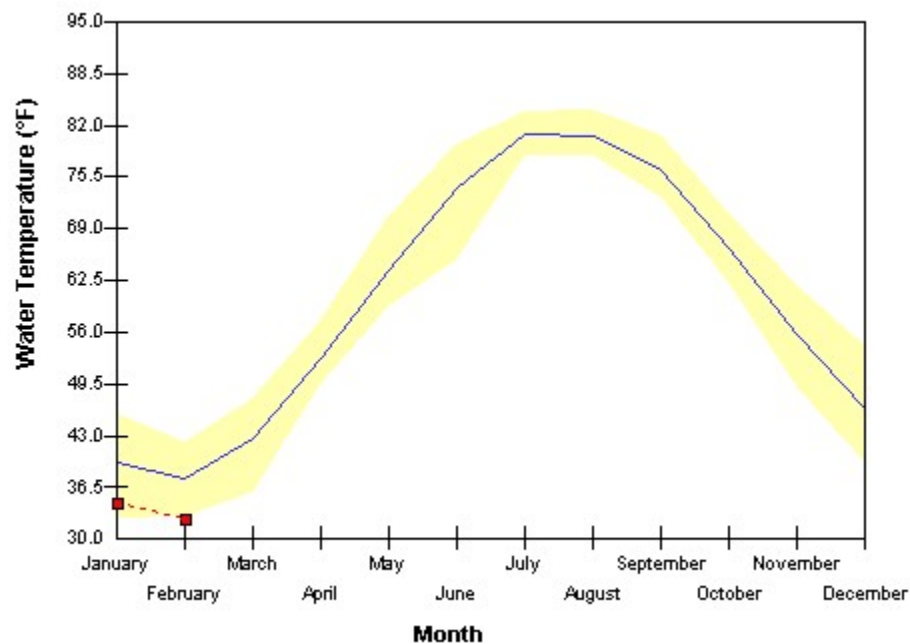
[pH](#)

[Water Clarity](#)

The yellow shaded area represents the range of monthly mean values that have occurred from 1985 to 2008. The blue line shows the monthly mean values for each month over that same time period. The red line shows what the current years conditions are and how they compare to the range and the average values we've seen.

To convert temperature to Fahrenheit, use the [conversion tool below](#).

**2010 [Surface Water Temperature](#)
Chesapeake Bay Mainstem / Cove Point (CB4.4)**



Surface Water Temperature (°F) Chesapeake Bay Mainstem / Cove Point (CB4.4)					
Month	Minimum	Mean	Maximum	2009	2010
January	32.54	39.65	45.68	38.84	34.52
February	32.90	37.52	42.08	37.40	32.54
March	35.78	42.71	47.66	42.08	
April	49.37	52.74	57.56	55.67	
May	59.18	63.69	70.52	65.03	
June	65.12	74.11	79.52	77.18	
July	78.08	80.93	83.66	78.98	
August	78.08	80.57	83.93	82.40	
September	72.86	76.28	80.60	73.04	
October	62.06	66.66	70.70	59.72	
November	48.92	55.62	61.70	55.58	
December	39.56	46.32	54.14	50.54	

NOTE: Results displayed are provisional and have not undergone full Quality Assurance procedures. Although Maryland DNR believes the data presented here are correct, we cannot guarantee their accuracy at this time.

Temperature Conversion

☐ Fahrenheit
 ☐ Celsius
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Enter a reading on the left side and select the units of the original value. The converted temperature will be displayed on the right.

Choose Other Parameters:

Dissolved Oxygen	Water Temperature	Salinity	pH	Water Clarity
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[Return to the Station Map](#)

Additional water quality data, including nutrient data, is currently available through the [Chesapeake Bay Program Data Hub](#).

Contact [Bruce Michael](#) of the MD DNR's Tidewater Ecosystem Assessment Division at (410) 260-8630 or by email at bmichael@dnr.state.md.us.

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