

## **COASTAL GEOLOGY – TIDE, TEMPERATURE, AND WIND SPEED MEASUREMENTS**

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Hi, I'm Ana Arellano and I'm going to go over three physical variables that we measure in the marine environment. We measure tides, temperature, and wind speed.

The tides we're going to measure by driving a stake where the water line is. And when we come back, we're going to see how far up or down the water line has gone. And that's going to be an indication of the movement of the tide, either up or down.

With this instrument, we're going to measure wind speed and temperature. And right now the wind speed is about two meters per second. And the temperature is about 30 degrees Celsius. In a couple hours, we're going to come back and we're going to measure these three variables again. The tide, the wind speed, and the temperature.