



Cape Fear Sail & Power Squadron

We are
America's Boating Club®



Localized Weather for the Cape Fear River and our Segment of the Atlantic Intracoastal Waterway (AICW)

Welcome to boating on the AICW and the Wilmington area. Unlike many areas in the continental US, you will find and potentially witness weather phenomena that only occur in our part of paradise.

If you look at your navigation charts you will see the Cape Fear River to the West and the Atlantic to the East with the landmass forming a peninsula south to Kure Beach. Weather systems will travel northward into our area and immediately are faced with increased moisture from the Cape Fear River and the Atlantic Ocean. In the summer months, extreme heat stimulates the vertical development of weather systems containing massive amounts of moisture. These systems continue to grow vertically and are then faced with onshore ocean breezes that move the severe weather system in a westward fashion. This westward movement causes the severe weather to “go around” our peninsula. While our area does have a fair share of severe weather we often “escape” weather systems because of our unique peninsula.

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