Apps & Links for Kayakers

IMPORTANT NOTES:

- Smart phones, tablets, and laptop computers are susceptible to water damage and cannot be depended upon to remain operational at sea.

- Always be sure to bring a sea worthy compass, a waterproof watch, and water resistant printed copies of the charts, tables, and float plan you will be using on your trip.

- A sea worthy VHF radio with weather radio is a good investment in $ and time spent learning how to use it. Much more dependable than a phone when you are at sea.

- Apps can be helpful in trip planning but they are not intended to be used as substitutes for knowledge and skill in the use of charts, tide tables, current tables, marine weather sources, and other officially recognized navigation tools and information sources.
Navionics Boating App

- Charts (with overlay options for land topography and aerial photos)
- Route planning
- Distance & bearing
- Weather, tides & currents
- Tracks
- More with in-app purchases
- Google Android, Windows, Apple iOS tablets and smart phone
- Try before buy option
- [https://www.navionics.com/usa/apps/navionics-boating](https://www.navionics.com/usa/apps/navionics-boating)
- CAUTION: As with any third party tool, you should always confirm results with NOAA charts and with NOAA tide and current predictions site.
GAIA GPS: Hiking & Hunting
By TrailBehind

• More than just topo maps:
  – Multiple map source categories including nautical charts
• Displays bearing, altitude, speed and distance
• Track recording
• Waypoints
• Route planning
• Picture taking
• Check your App Store
• https://www.gaiagps.com
• CAUTION: As with any third party tool, you should always confirm results with NOAA charts and with NOAA tide and current predictions site.
Windy (aka Windytv)

- Wind and waves forecasts
- All leading weather forecast models: ECMWF, GFS by NOAA, NEMS & NAM
- Detailed forecast for any location (temperature, wind chill, wind speed, pressure, humidity, rain and snow accumulation)
- Pinpoint location details with easy to read forecast details
- Check your App Store
- [http://www.windy.com](http://www.windy.com)
- CAUTION: As with any third party weather tool, you should always compare results with NOAA Marine Weather forecasts.
NobleTec Tides & Currents

• Charts (with overlay options for land topography and aerial photos)
• Route planning
• Distance & bearing
• Tides & currents
• Tracks
• $198 at Captain's Nautical Supplies
• CAUTION: As with any third party tool, you should always confirm results with NOAA charts and with NOAA tide and current predictions site.
AyeTides
Apple iPad & iPhone
Tides
Currents

CAUTION: As with any third party tool, you should always confirm results with NOAA tide and current predictions site.
Marine Traffic

- Real time tracking of AIS equipped vessels
- Vessel info and picture
- Vessel track and speed
- Other features and in app purchases

• CAUTIONS:
  - This app requires a reliable Internet connection in order to work properly.
  - Not all vessels use AIS.
  - Refer to app publisher for more limitations.
SkyView

- Definitely NOT a navigational aid but fun for identifying celestial objects while at camp.
- Point and click to ID.
- Search feature.
Other Apps and Websites to Consider

- Topo Maps/Trimble GPS Maps
- Launch Sites
- Google Earth
- Google Maps
- OnCourse boating & sailing app
- Favorite Moon App
- Favorite ebook/PDF reader
- AroundMe
- OpenTable
- Compass apps
- Emergency apps on First Aid, CPR, survival...
- To Do Lists
- Note taking
- Camera, photo editing
Useful Websites

Find Official NOAA Charts Here:
NOAA Office of Coast Survey Chart Locator
http://charts.noaa.gov/InteractiveCatalog/nrnc.shtml

Use this site to get official charts in a variety of free formats or purchase full sized high resolution printed charts from a NOAA certified chart agent such as Frugal Navigator (online chart provider)
Useful Websites

Official NOAA Tide & Current Predictions

Tide Predictions

Current Predictions

Tide & Currents Predictions Map (general)

Tide Station Map for Washington State

Current Station Map for Washington State
Useful Websites

NOAA Marine Weather Point Forecast
http://www.nws.noaa.gov/om/marine/home.htm

Be on the lookout for changes in the weather and avoid being caught unaware!

Check forecasts before getting on the water and, if possible, while underway.

Be sure to check the overall zone forecast as well as point forecasts for the areas you plan to travel.

Don’t rely on point forecasts alone!

Watch for signs of changing weather and wind.

Expect winds to increase in the afternoon.
Useful Websites

Washington State Coastal Atlas
https://fortress.wa.gov/ecy/coastalatlas/tools/Map.aspx

Use this site to find aerial photos of nearly every inch of the Washington coastline.

Tip: to find how what the tide level was at the time a picture was taken, input its date and time info into a tide prediction website or app. Easy way to see if there will be a beach there when you plan to arrive!
Each year hundreds of lives are lost... thousands are injured... and millions of dollars of property damage occurs because of preventable recreational boating accidents on U.S. waterways. Too often pleasure outings turn tragic. You as a boat operator, passenger, or concerned individual can make a difference.
Useful Websites

**NOAA Magnetic Field Calculators**
Determine Magnetic Declination/Variation for any place
[https://www.ngdc.noaa.gov/geomag-web/](https://www.ngdc.noaa.gov/geomag-web/)
(info also available with CrowdMag app from NOAA)
DeepZoom Tides & Currents

http://www.deepzoom.com

• “To be used for transcendent illumination only.”
• Web based charts with dynamic current as well as tide station information.
• Check out past, present and future conditions instantly.
• CAUTION: As with any third party tool, you should always confirm results with NOAA’s tide and current predictions site and with NOAA’s chart finder site.