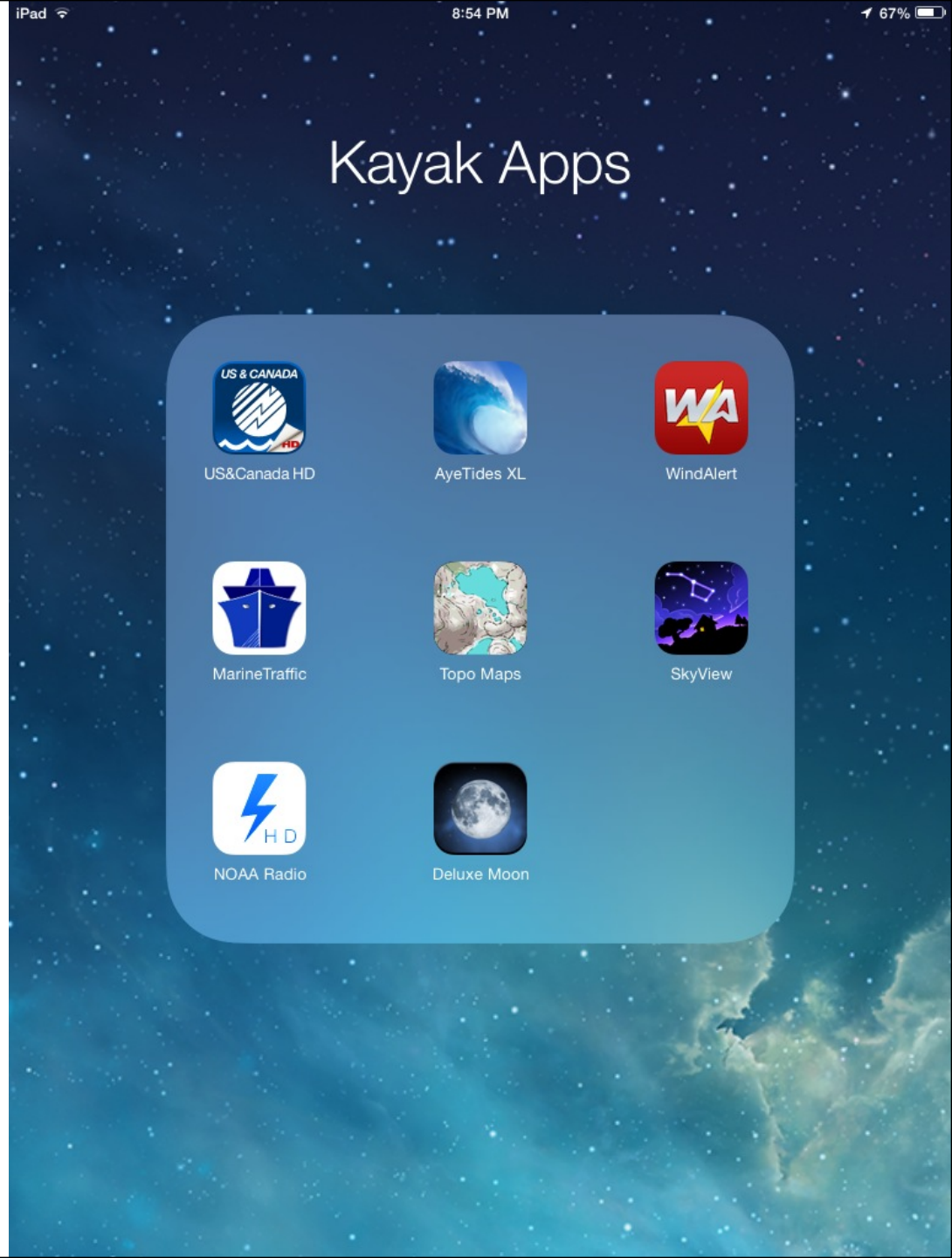


Apps & Links for Kayakers

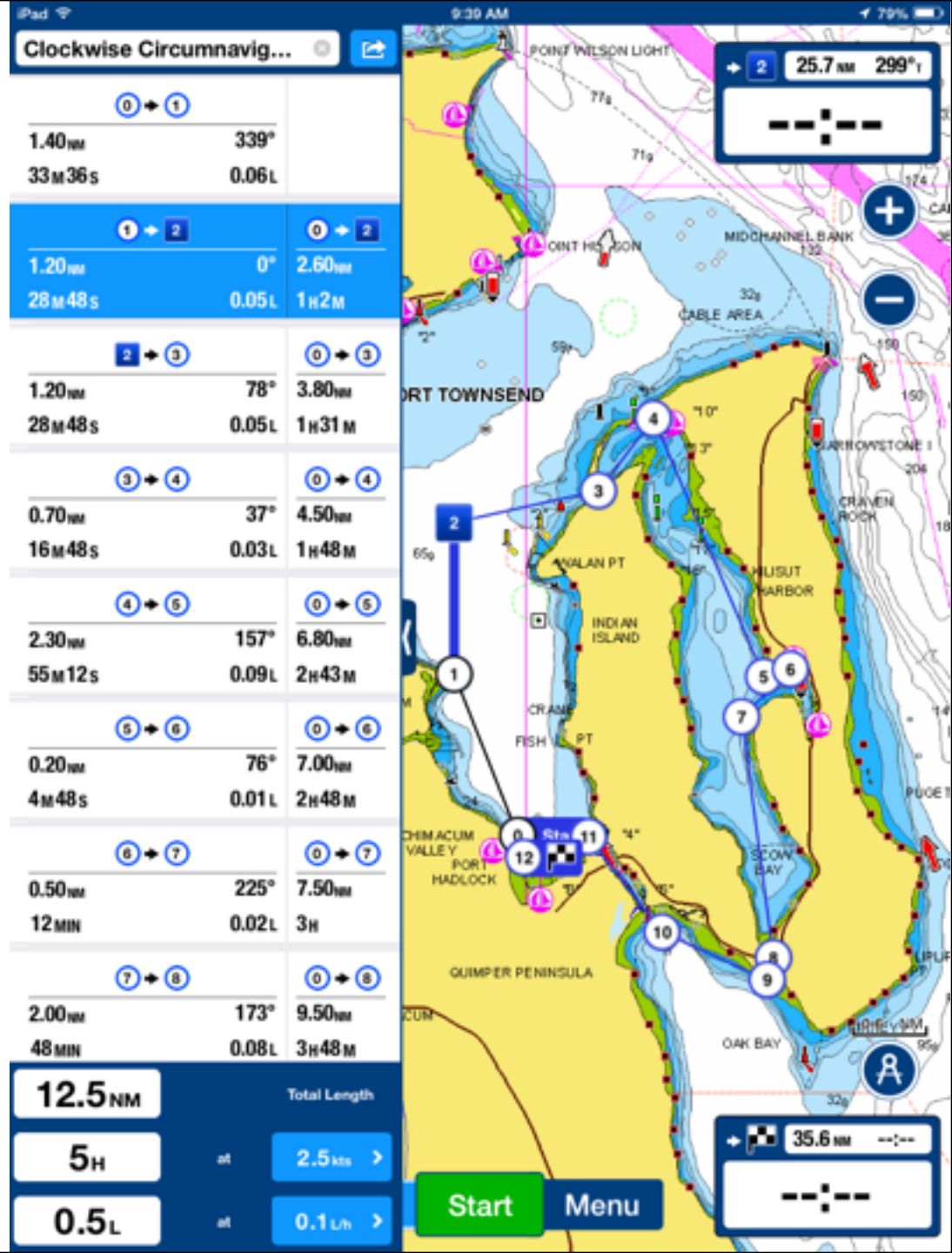
IMPORTANT NOTES:

- 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.



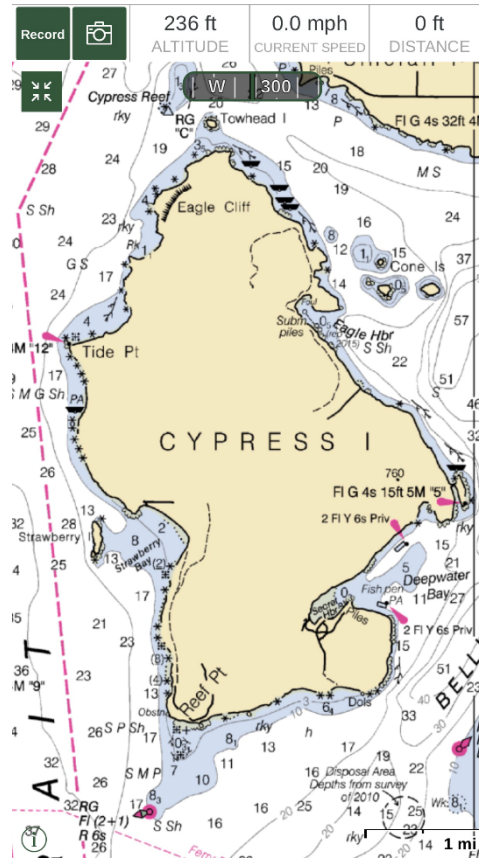
Navionics Boating USA & Canada

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



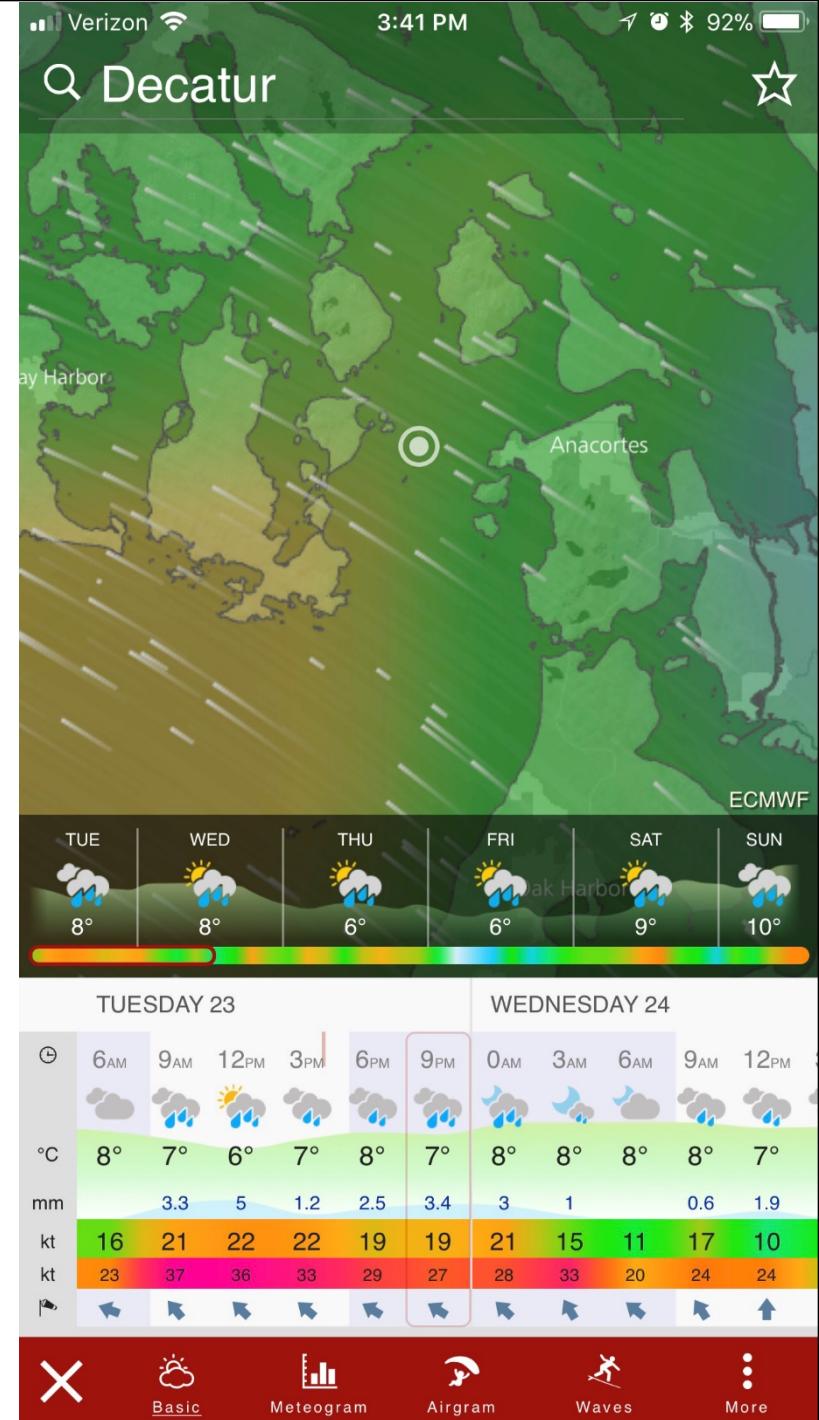
GAIA GPS: Hiking & Hunting By TrailBehind

- 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>
- 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.

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cms.nobeltec.com

East Jefferson County Parks Tides & Currents Jefferson County Parks and Recreation...

NOBELTEC HOME PRODUCTS SERVICES SUPPORT COMPANY STORE

PRODUCTS

Nobeltec Tides & Currents
Examine tide and current predictions for effective planning.

Tides & Currents

Software Ranking:
The most powerful and popular tidal prediction program in the world.

View the Tides & Currents product brochure

Current Version:
Tides & Currents 3.7

Exclusives:

- Supports Microsoft Windows 7
- Predictions through the year 2100
- Updated with 2010 tides and currents data
- Easy-to-use planning software
- Real-time tide and current window
- Easy-to-use graphical interface
- Customizable and printable reports

Specifications

- ▶ [Screenshots](#)
- ▶ [Min. System Requirements](#)
- ▶ [Product Support](#)
- ▶ [Product Documentation](#)

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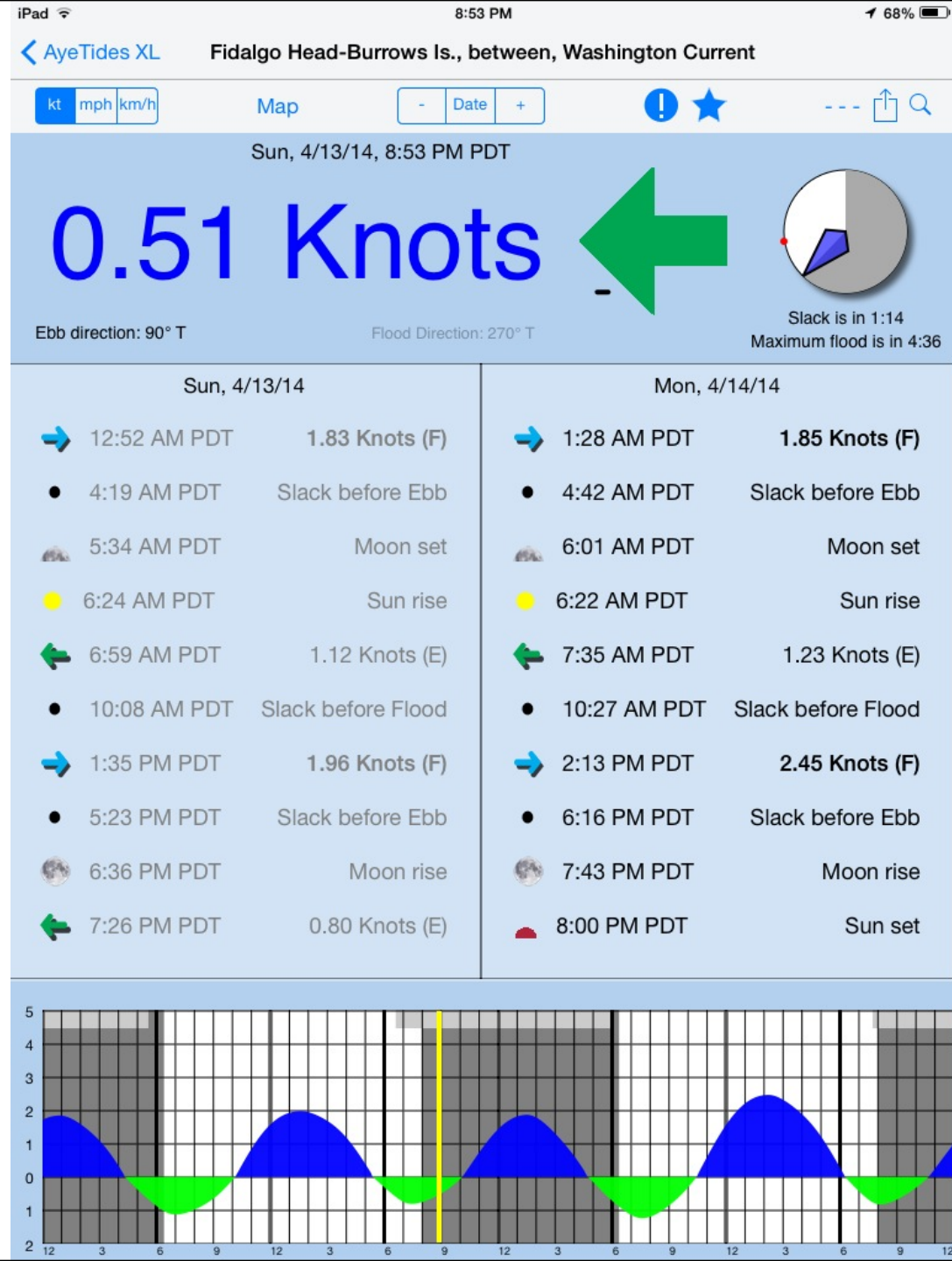
AyeTides

Apple iPad & iPhone

Tides

Currents

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



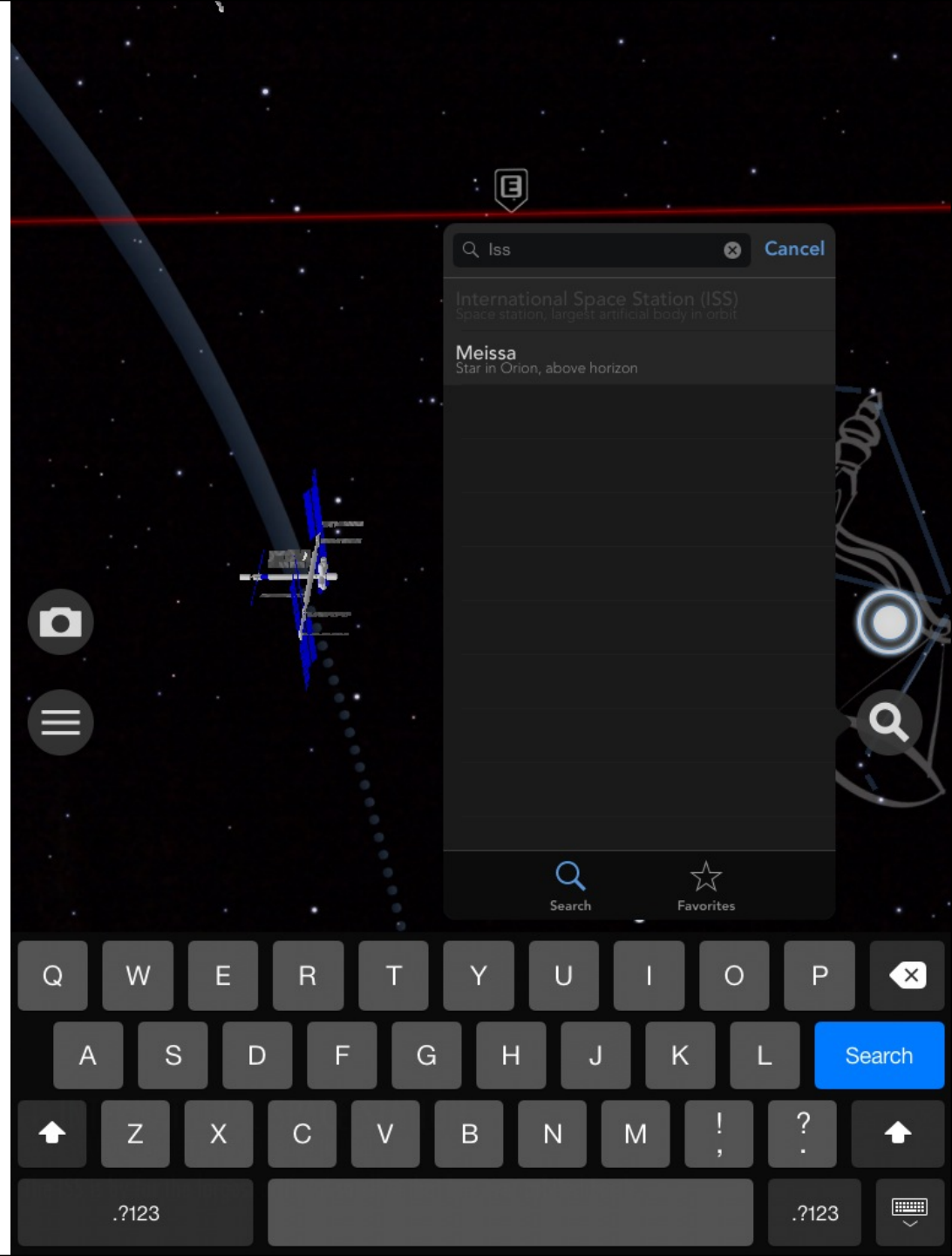
Marine Traffic

- 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

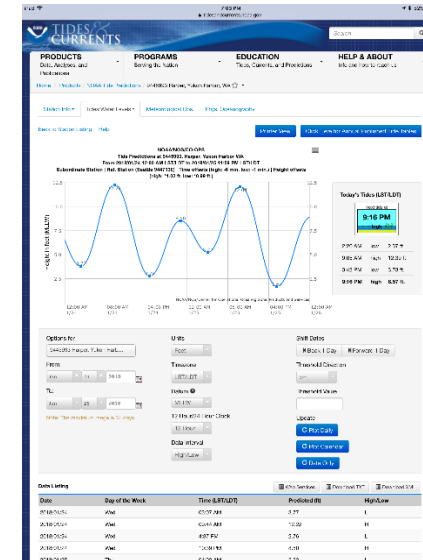
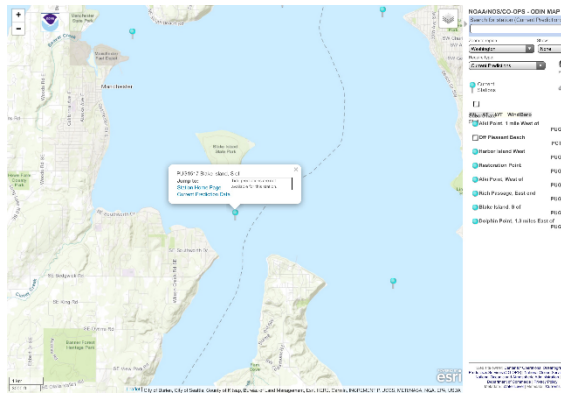
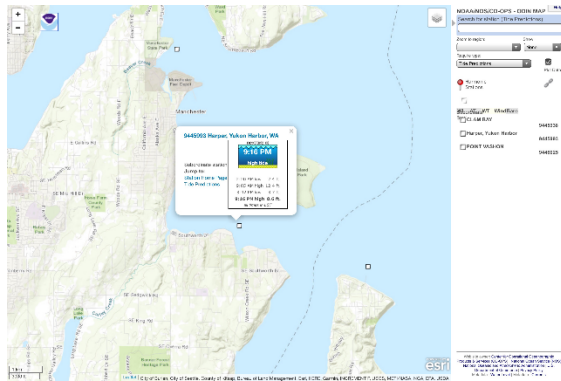
Useful Websites

Official NOAA Tide & Current Predictions

https://tidesandcurrents.noaa.gov/tide_predictions.html

<https://tidesandcurrents.noaa.gov/noaacurrents/Regions>

<https://tidesandcurrents.noaa.gov/gmap3/>



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.

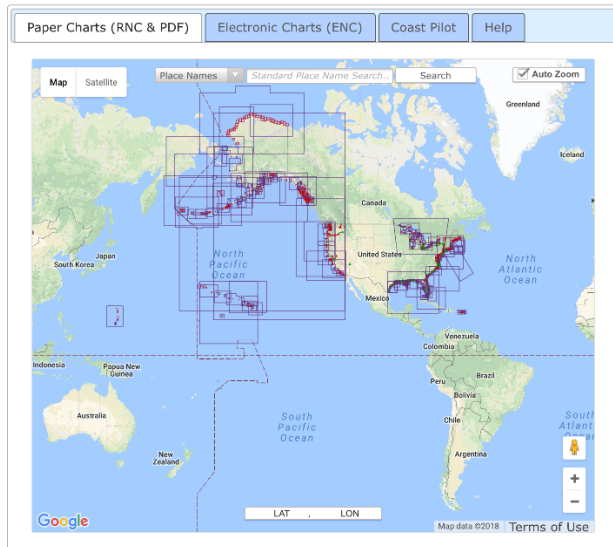
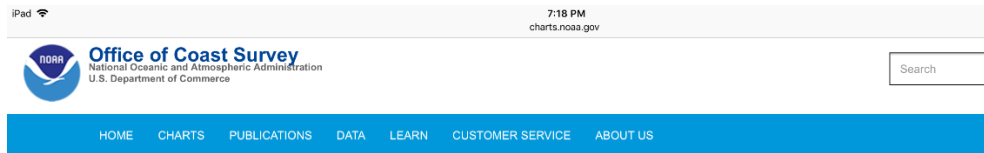


Useful Websites

Find Official NOAA Charts Here:

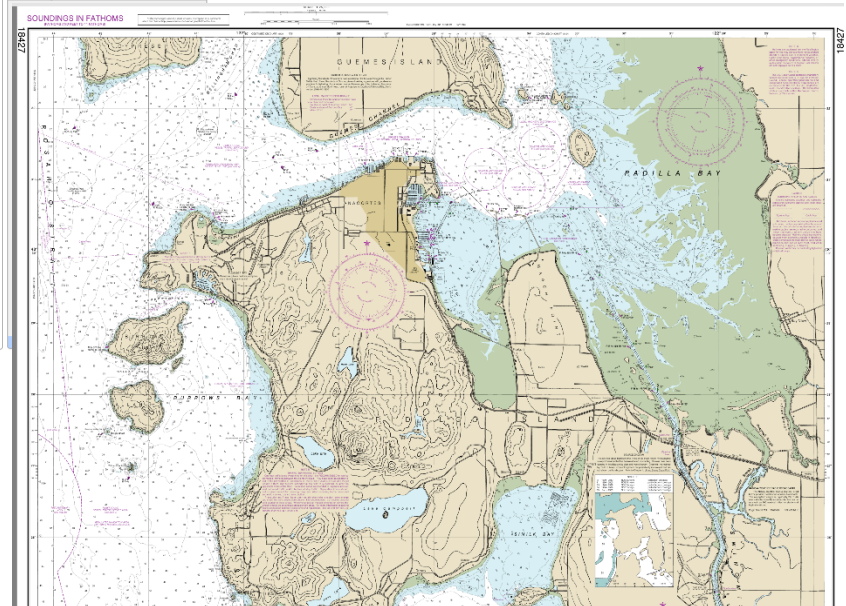
NOAA Office of Coast Survey

<http://charts.noaa.gov/InteractiveCatalog/nrnc.shtml>



Available Product Information
NOAA RNCs (RNC):
Geo-referenced charts in BSB format.
NOAA Paper Nautical Charts
NOAA Certified Chart Agents:
Order Print-on-Demand (POD) charts
NOAA BookletChart (BC):
8.5" x 11" printable panels of the charts.
Notice to Mariner (NM):
Weekly corrections to the RNCs.
--> [Historical Map & Chart Collection](#)

Map Selection Information



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 (

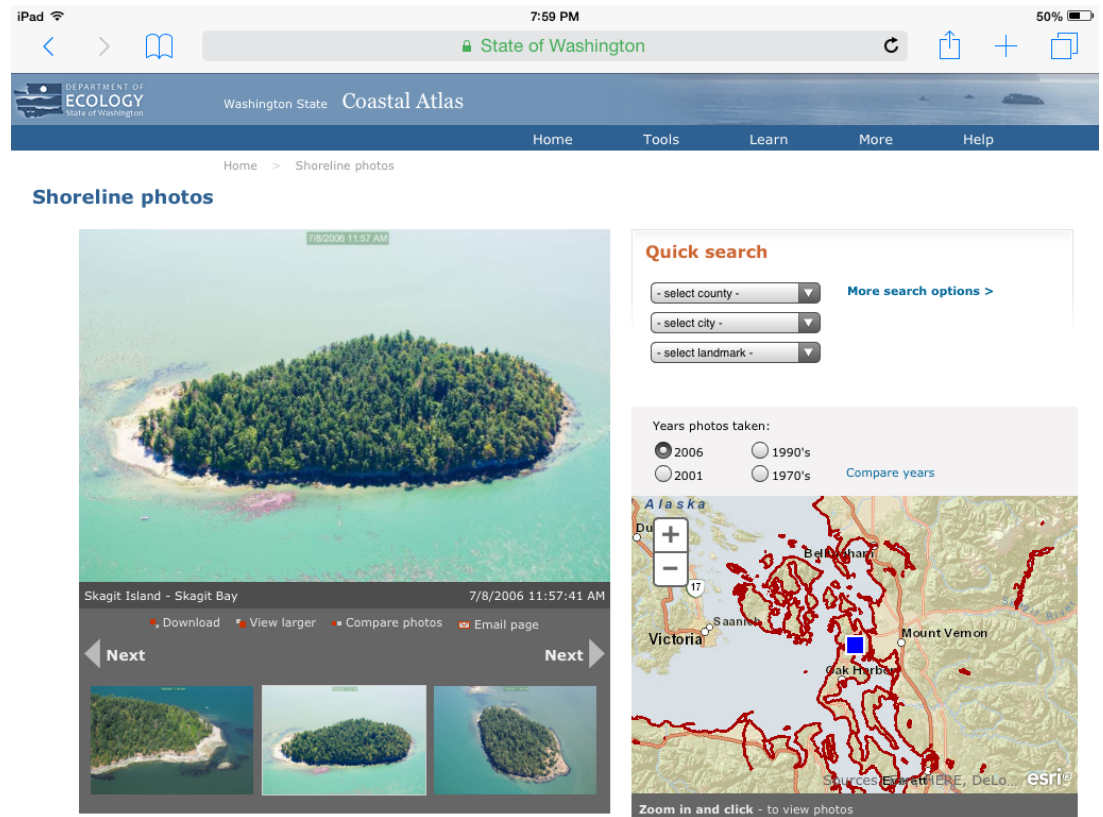
Useful Websites

Washington State Coastal Atlas

<https://fortress.wa.gov/ecy/shorephotoviewer/>

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!



US COAST GUARD RESOURCES

<https://www.uscgboating.org/recreational-boaters/index.php?m=rb>



MANUFACTURERS | **RECREATIONAL BOATERS**
BOATING SAFETY PARTNERS

 **U.S. COAST GUARD**
FAQ'S | SITE MAP | CONTACT US

Search:



RECREATIONAL BOATERS



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.

**Boating Safety
Mobile App**

 United States Coast Guard
U.S. Department of Homeland Security


Useful Websites

NOAA Magnetic Field Calculators

Determine Magnetic Declination/Variation for any place

<https://www.ngdc.noaa.gov/geomag-web/>

(info also available with CrowdMag app from NOAA)

**NOAA**
NATIONAL CENTERS FOR
ENVIRONMENTAL INFORMATION
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NOAA > NESDIS > NCEI (formerly NGDC) > Geomagnetism

Magnetic Field Calculators

DeclinationU.S. Historic DeclinationMagnetic FieldMagnetic Field Component Grid

Magnetic Declination Estimated Value ⓘ

Declination is calculated using the most recent [World Magnetic Model \(WMM\)](#) or the [International Geomagnetic Reference Field \(IGRF\)](#) model. For 1900 the calculator is based on the [gufm1](#) model. A smooth transition from gufm1 to IGRF was imposed from 1890 to 1900. Declination results are accurate to 30 minutes of arc, but environmental factors can cause magnetic field disturbances. The calculator provides an easy way for you to get HTML, XML, or CSV programmatically (API). For more information click the information button above.

Calculate Declination

Latitude: ☐ S ☒ N

Longitude: ☒ W ☐ E

Model: ☒ WMM (2014-2019) ☐ IGRF (1590-2019)

Date: Year Month Day

Result format: ☒ HTML ☐ XML ☐ CSV ☐ PDF

Calculate

Lookup Latitude / Longitude

Either enter a zip code, select a country/city, or [search for an address at USGS Earth Explorer](#).

U.S. Zip Code:

- OR -

Country:

City:

Get & Add Lat / Lon

Declination

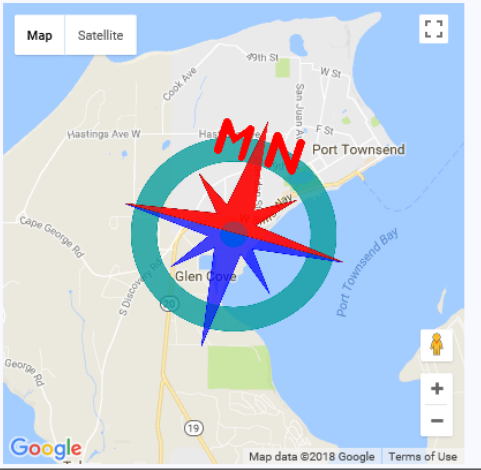
Model Used: WMM2015

Latitude: 48° 6' 1" N ⓘ

Longitude: 122° 47' 51" W

| Date | Declination |
|------------|---|
| 2018-03-30 | 15° 53' E ± 0° 22' changing by 0° 9' W per year |

MapSatellite



Map data ©2018 Google Terms of Use

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.

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deepzoom.com

DeepZoom Nautical Charts Products More About Contact

Unavailable

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current

start days 1 rate 1 hr/sec

DeepZoom Nautical Charts Windows Phone

To be used for transcendent illumination **only**.
Do not use for navigation, piloting, or travel on the physical plane!
Click or tap a tide or current station on the map for immediate transubstantiation.
Then... press the play button.

22 Sat Aug 2015 12:31 40 pm utc -07:00

Leaflet