Weather and Navigation and Being On the Water
NOAA
Knowing the Weather, The Tides, Where You Are, Where You Are Going…and How To Get There and Back…All Can be Assisted In Knowing The Weather, The Charts, and The Water Levels/Tides/Current (Real Time Observations)
Economic Contributions of Recreational Fishing — Florida —

4,102,200 anglers spent $4.3 Billion while fishing in Florida.

Statewide Contributions by Anglers in Florida
- $7.2 Billion Economic Output
- 56,750 Jobs Supported

National Contributions by U.S. Anglers
- $129 Billion Economic Output
- 826,000 Jobs Supported

Annual U.S. Angler Contributions to Conservation
- $752 Million License Sales
- $650 Million Excise Taxes
- $283 Million Donations
- $1.7 Billion Total

U.S. Anglers by the Numbers
- 2.4 Million Great Lakes Anglers
- 10.9 Million Saltwater Anglers
- 40.5 Million Freshwater Anglers
- 49.4 Million Total Anglers

Number of Recreational Boating Vessels by State, 2019

- Florida: 935,742
- Minnesota: 813,955
- Michigan: 806,296
- California: 711,173
- Wisconsin: 607,211
- Ohio: 586,159
- South Carolina: 567,443
- Texas: 563,820
- New York: 440,381
- North Carolina: 361,970
- Georgia: 331,481
- Louisiana: 316,439
- Pennsylvania: 301,287
- Missouri: 289,416
- Tennessee: 245,991
Sport Fishing and Recreational Boating is a Family and Friends Activity, Found in Bays, Passes, Nearshore and Offshore.
No- Not a Day for Boating or Fishing

Seminars Like These Provide You With Resource Like-

-What Will the Day Be on the Water?

-How Do I get Notified of Severe Weather Events

-I do I Know Offshore Wave and Marine Conditions?

-Where Am I (in the use of Charts)?

-Where Do I Want to Go?

-How Do I Get There?

-Can I Get There (Fuel, Boat, Time?)
Everyone is Responsible for Being Safe On the Water…If You Go Out and See a Storm--- Turn Around and Stay Safe!
Now is the Time Not to Try to Learn How to Use Your Chart Resources
Starting Points

Where Are You Starting- St Andrews State Park- Do you have your PFDs, Radio, Phone (charged), and All Required Gear?
Where Do You Want to Go- Out to the Sea Buoy to Dive and Fish and the Shell Island for Picnic and Shell Collecting
What is the Weather and Marine Conditions and Forecasts- NOAA NWS Tallahassee
What Boat Are You Going to Be On?- Size, Fuel, General Condition, Range, What Sea State Can It Handle?
Setting Your Distance- 10, 20, 30 miles? Can you make the Outbound Trip and Return with half or a third of a tank of fuel?
Setting Your Time for the Day- Early Dawn(even Pre Dawn), later Morning, Lunch or Afternoon? An Evening Excursion
Making Your Trip Plan- And Making It Known!- Telling Someone, More Than One- Stick to the Plan and Check In with Family and Friends

Launching at St Andrews State Park Ramp around 9:00 am with Dad, Mom, Junior and Dog
Going to St Andrews Pass and to the Sea Buoy to Dive and Fish until about noon
Going to come back to the Shell Island Cove area and have a picnic lunch and go shell hunting
Will plan on getting back to the St Andrews Ramp a 3:30 and come home with the boat
Have phone and radio
Weather and Marine Forecast Is Saying Calm Conditions and Clear Skies
Have a Full Tank of Gas and Will be Texting or Calling you with Updates and Fishing Photos(!)
Will let you know when we leave the Park and When have arrived back to the Dock
Start Where it Began- Panama City Beach and St Andrews Sound
Use of Coast Survey’s Custom Chart Resource to Support a Good Day on Water
https://devgis.charttools.noaa.gov/pod/
Creating a Custom Chart – A very good way to acquaint you the area you are fishing - and to learn how to produce these custom resources for anywhere you may travel and go out on the water

Follow the Tutorials - They really help!
Launching at St Andrews State Park, Travel through the Pass, and Out to the Sea Buoy

With the Online Viewer, You Can Look at Fishing Destinations and Plan Your Route, the Distances You Will Travel to, and Other Locations You Want to Travel To--- and Return Safely to the Dock
You can change your settings to show imagery of the area, and make the ENC look more realistic or familiar for your reference.
As We Move to ENC’s the Future of Charting, Taking Time to Learn the Added Resources You Can Now Access and Use- Can Be Very Powerful
The Symbols on the Charts are Not Random - The Link and the Guide Gives You a lot of Good Information to Understand the Charts

Buys, Beacons

Fish Havens

Fishing prohibited or permitted? There is an international symbol to delineate areas where fishing is prohibited (at left and N 21° 31’ in U.S. Chart No. 1). However, NOAA does not show federal, state or local fishing restrictions on its nautical charts. The fish haven symbol, shown in the table above, does not indicate whether fishing is allowed or not. Many fish havens were created to support and encourage recreational fishing, while others have been created specifically to protect fish and fishing may be restricted in these areas. Anglers should check with appropriate authorities before dropping a line within a fish haven to learn what restrictions, if any, may apply.
Understanding the Chart Makes For a Good Day on Water
Boats That You Have, May Be Equipped with Navigation Systems- Closely Tied to NOAAs Chart Resources
Learn How to Use Them and Learn What to Do if They Stop Working (!)
https://tidesandcurrents.noaa.gov/stationhome.html?id=8729108
You Can Look at 48 Hour Forecasts, Using NOAA Operational Forecast Systems

https://tidesandcurrents.noaa.gov/of...
The End of the Day
Safe Back On Shore
Thank You!

Presenters

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Tim Osborn – NOAA Office of Coast Survey

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