Chasing Champ on Lake Champlain

When people hear phrases like “sea monster” or “lake monster”, they often think of mythical giant squid-like creatures or the affectionately-named “Nessie” from Loch Ness in Scotland. However, the lore of lake monsters also exists in North America. According to legend and eye witness accounts, such a monster dwells in Lake Champlain, a 125-mile-long body of fresh water that is shared by New York and Vermont and Quebec, Canada. That monster is “Champ.”

You and three friends are about to embark on a sailing voyage to search for Champ, the legendary monster believed to live in the murky depths of Lake Champlain. You will be on the water for three full days and two nights and need to plan the trip.

Here is some important info about the sailboat, which will be your home for the entire trip. There are no stops to restock supplies.

- The boat sleeps 5 people, you, your three friends, and the captain.
- The boat sails at speeds of 2 - 7 knots per hour under sail depending on wind conditions. Find the conversion of knots per hour to miles per hour.
- The boat has a diesel engine as a backup that burns 1.4 gallons of diesel per hour at a speed of 6 knots, and the tank holds 12 gallons of diesel.
- The boat has a 40 gallon water tank, but the water is not suitable for drinking
- The boat has a propane stove and grill for cooking
- The boat has a built-in icebox, but no refrigeration
- Has storage space for five to seven days of provisions for a crew of 4

Here's info on your voyage to get you started:

- You depart at 7:00 am on the first day of July
- You can’t sail at night; you need to drop anchor in protected bays each night (that’s where champ hangs out anyway)
- You need to return on July 3rd. before sunset.
- You are starting in Mallet’s Bay

Here is your task:

Using the information above, create a list of ALL the things you will need to consider. Don’t do any math yet; just think about all the elements of planning a trip like this.

After you have your list, compare and share your list with two other groups. Add to your list based on ideas shared from the other groups.

Plan your trip. Do all the math needed. Neatly organize and display all your work and all the results. Create a presentation that explains your planning.