

Water usage, daily

- shower (rinse only), daily, equivalent 15 seconds normal shower = .625 gallons
- laundry (rinse only), 1/week, 2 gallons per rinse = .286 gallons
- hand washing (rinse only), 1 cup daily = .0625 gallons
- tooth brushing, 1 cup daily = .0625
- dishes (rinse only), 1 cup daily = .0625 gallons
- cooking (= 1 cup rice), 2 cups daily = .125 gallons
- drinking = 1 gallon
- Total = 2.224 (call it 2.25 gallons daily)

Minimum Storage Needs

- Need enough for 3200nm (San Juan to Lisbon) at average of 4 knots = 34 days = 77 gallons
- Emergency ration (drinking, cooking) = 1.125 gallons = 68 days

Collection

- Driest areas in Caribbean at driest times of year get at least 2 inches rainfall
- collection surface area = deck = $L \times B \times .75$ = (for 35 x 9 boat) 236ft²
- Assuming 2/3rd waste = 78ft² at 2" = 97 gallons per month

Actual Storage Needs

- Round up to 100 gallons