

WEATHER TOLERANCE MATRIX

Condition	Green (Low Risk)	Yellow (Moderate Risk)	Red (High Risk)
Wind Speed	< 15 knots	15 - 20 knots	> 20 knots
Wave Height	< 2 ft	2 - 3 ft	> 3 ft
Visibility	> 3 NM	1 - 3 NM	< 1 NM
Rain/Storm Activity	Light or no rain	Showers possible: no thunder	Thunderstorms or squalls forecasted
Tidal Current	< 2 knots	2 - 3 knots	> 3 knots
Forecast Confidence	High <i>(multiple reliable sources)</i>	Medium <i>(some variation in forecast sources)</i>	Low <i>(conflicting or uncertain data)</i>
Crew Skill Level	Full crew; experienced in rougher conditions	Partial crew or mixed experience	Inexperienced crew or short-handed
Vessel Preparedness	Recently serviced: all systems working	Minor issues noted: vessel seaworthy	Outstanding maintenance issues: untested repairs
Itinerary Flexibility	No deadline: flexible plan	Moderate time pressure: reservations made	Firm Schedule: inflexible commitments
Captain's Readiness	Well-rested; focused	Some fatigue or stress	Fatigued, distracted, or unwell