



| EVENT   | IMMEDIATE RESPONSE  | QUICK REPAIR   | PERMANENT REPAIR  |
|---|---|--|---|
| <b>Flooding</b>   | <b>Trapped crew?</b><br><b>Find Leak Fast &amp; Slow it</b> <ul style="list-style-type: none"> <li>• Check all hull openings: seacocks, rudder, thruster</li> <li>• Drop headsail (unless heel reduces flooding)</li> </ul> | <ul style="list-style-type: none"> <li>• Stuff leak</li> <li>• Fother if leak forward of keel</li> <li>• Activate all pumps</li> <li>• Start engine; charge batteries</li> <li>• Prepare to Abandon Ship/ Mayday?</li> </ul> | <ul style="list-style-type: none"> <li>• Wood plugs, Truplug, Nerf balls</li> <li>• "Stay Afloat", shoring timber (2x4)</li> <li>• Plywood or lead patch, shower pan liner,</li> <li>• Abandon Ship?</li> <li>• Withdraw Mayday?</li> </ul> |
| <b>Fire</b>   | <b>Trapped crew? Fight Fire Fast</b> <ul style="list-style-type: none"> <li>• Drop headsail</li> <li>• Sail 150 apparent</li> </ul>   | <ul style="list-style-type: none"> <li>• Fight Fire</li> <li>• Shut valves-stove/ engine</li> <li>• Prepare to Abandon Ship/ Mayday?</li> </ul>  | <ul style="list-style-type: none"> <li>• Abandon Ship?</li> <li>• Withdraw Mayday?</li> <li>• Fire watch</li> </ul>   |
| <b>Lee shroud or spreader broken or loose</b>                   | <b>Stay on present tack!</b> <ul style="list-style-type: none"> <li>• Maintain pressure on windward rigging</li> </ul>  | <ul style="list-style-type: none"> <li>• Secure leeward rigging</li> <li>• Rig halyards to rail</li> </ul>   | <ul style="list-style-type: none"> <li>• Rig halyard thru end of pole set abeam</li> <li>• Replace or reconnect parts</li> <li>• Fabricate new shroud* or spreader</li> </ul>   |
| <b>Windward shroud or spreader broken or loose</b>              | <b>Tack instantly</b> <ul style="list-style-type: none"> <li>• Maintain pressure on new windward side</li> </ul>  | <ul style="list-style-type: none"> <li>• Secure leeward rigging</li> <li>• Rig halyards to rail</li> </ul>   | <ul style="list-style-type: none"> <li>• Rig halyard to end of pole set abeam</li> <li>• Replace or reconnect parts</li> <li>• Fabricate new shroud* or spreader</li> </ul>   |
| <b>Headstay broken or loose</b>                                 | <b>Bear off to run</b> <ul style="list-style-type: none"> <li>• Ease main</li> <li>• Do not drop jib</li> </ul>   | <ul style="list-style-type: none"> <li>• Run halyards to bow then drop jib. Reduce pressure on backstay and runners</li> </ul>   | <ul style="list-style-type: none"> <li>• Reconnect or replace headstay*</li> </ul>  |
| <b>Backstay broken or loose</b>                                 | <b>Luff up to close hauled</b> <ul style="list-style-type: none"> <li>• Trim mainsheet tight; drop headsail</li> </ul>  | <ul style="list-style-type: none"> <li>• Run spin halyards to stern</li> <li>• Tighten mainsheet &amp; vang</li> </ul>   | <ul style="list-style-type: none"> <li>• Reconnect or replace backstay</li> <li>• Spanish windlass if hydraulic failure</li> </ul>  |
| <b>Broken Mast</b>  | <b>Crew roll call!</b> <ul style="list-style-type: none"> <li>• Man overboard?</li> </ul>   | <ul style="list-style-type: none"> <li>• Try to secure rig</li> <li>• Don't start engine until rig cleared</li> </ul>  | <ul style="list-style-type: none"> <li>• Retrieve rig if possible (for jury rig)</li> <li>• Cut loose if threatening hull</li> <li>• Pan Pan or Mayday?</li> </ul>  |
| <b>Steering lost: rudder and post intact</b>                    | <b>Drop headsail</b> <ul style="list-style-type: none"> <li>• Trim main</li> <li>• Determine problem</li> </ul>   | <ul style="list-style-type: none"> <li>• Deploy Emergency tiller</li> <li>• Engage autopilot (if ram on quadrant)</li> </ul>   | <ul style="list-style-type: none"> <li>• Repair steering gear</li> <li>• Tow drogue if needed\</li> </ul>   |
| <b>Steering lost: Rudder gone</b>                               | <b>Drop headsail</b> <ul style="list-style-type: none"> <li>• Trim main</li> <li>• Determine problem</li> </ul>   | <ul style="list-style-type: none"> <li>• Plug lower rudder bearing?</li> <li>• Deploy steering drogue</li> </ul>   | <ul style="list-style-type: none"> <li>• Pan Pan?</li> </ul>  |
| <b>Steering lost: Rudder Post broken &amp; thrashing inside</b> | <b>Drop headsail</b> <ul style="list-style-type: none"> <li>• Trim main</li> <li>• Determine problem</li> </ul>   | <ul style="list-style-type: none"> <li>• Fight Flooding (if any)</li> <li>• Weight to bow (lift stern)</li> <li>• Push post down &amp; out?</li> <li>• Prepare to Abandon Ship/Mayday?</li> </ul>                            | <ul style="list-style-type: none"> <li>• Mayday?</li> <li>• Abandon Ship?</li> <li>• If OK, Drogue steering</li> </ul>  |