

## ISSUE MATRIX FOR BEACH CONSERVATION

Issue	Existing/Proposed Authorities	Resource Impacts	Sectors Affected	Opportunities (Potential Instruments)	Constraints
Sand and Ghaut Mining	<ul style="list-style-type: none"> <li>NCEPA</li> <li>Draft legislation on sand mining regulations</li> <li>Liter Abatement Act</li> <li>Draft Development Control Act</li> <li>Fisheries Act</li> <li>Solid Waste Management Act</li> </ul>	<ul style="list-style-type: none"> <li>Aquifers</li> <li>Beaches</li> <li>Ghouts, eroded land</li> <li>Agricultural lands</li> <li>Infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>Tourism</li> <li>Agriculture</li> <li>Fisheries</li> <li>Residents</li> <li>Communications</li> </ul>	<ul style="list-style-type: none"> <li>Enhancing disincentives/penalties for mining</li> <li>Eco-labeling</li> <li>Encouraging re-vegetation and restoration</li> <li>Sand dune management</li> <li>Education and interpretation of coastal resources</li> </ul>	<ul style="list-style-type: none"> <li>Low penalties and fines, needs assessment and establish higher penalties</li> <li>Human resources limited</li> <li>Lack of enforcement</li> </ul>
Coastal Erosion	<ul style="list-style-type: none"> <li>NCEPA</li> <li>So. East Peninsula Act</li> <li>Frigate Bay Development Act</li> <li>Solid Waste Management Act</li> </ul>	<ul style="list-style-type: none"> <li>Infrastructure</li> <li>Built environment</li> <li>Agricultural land</li> <li>Marine Ecosystem</li> <li>Natural Environment</li> </ul>	<ul style="list-style-type: none"> <li>Tourism</li> <li>Residents/Housing</li> <li>Communications/Infrastructure</li> <li>Fisheries</li> <li>Recreation</li> <li>Marine ecosystem/</li> <li>Wetlands</li> <li>Insurance</li> </ul>	<ul style="list-style-type: none"> <li>(Coastal Planning)</li> <li>Performance bonds</li> <li>Liability bonds</li> </ul>	<ul style="list-style-type: none"> <li>Legal mechanisms and Political Interests</li> <li>Lack of effective enforcement</li> </ul>
Hotel and Residential Development (Coastal Built Environment)	<ul style="list-style-type: none"> <li>Tourism Authority Act</li> <li>South East Peninsula Act</li> <li>Solid Waste Management Act</li> <li>Frigate Bay Development Control Act</li> <li>NCEPA</li> <li>Draft Physical Planning Act</li> </ul>	<ul style="list-style-type: none"> <li>Financial</li> <li>Insurance</li> <li>Agricultural lands</li> <li>Infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>Tourism</li> <li>Agriculture</li> <li>Financial</li> <li>Insurance</li> </ul>	<ul style="list-style-type: none"> <li>Relocation Fund</li> <li>Mitigation Banking</li> <li>Performance Bond</li> </ul>	<ul style="list-style-type: none"> <li>Legal mechanisms and Political Interests</li> <li>No dune protection legislation</li> <li>No guidelines for dunes protection</li> <li>People and dune interaction</li> </ul>
Vegetation	<ul style="list-style-type: none"> <li>NCEPA</li> <li>Draft Sea Grass Bed</li> </ul>	<ul style="list-style-type: none"> <li>Marine and Terrestrial</li> </ul>	<ul style="list-style-type: none"> <li>Tourism</li> <li>Built and Natural</li> </ul>	<ul style="list-style-type: none"> <li>Mitigation Banking</li> <li>Performance</li> </ul>	<ul style="list-style-type: none"> <li>Legal mechanisms and lack of Political will</li> </ul>

	<ul style="list-style-type: none"> <li>• Legislation Mangrove regulations</li> <li>• Draft setback guidelines</li> </ul>	<ul style="list-style-type: none"> <li>• ecosystems beaches</li> </ul>	<ul style="list-style-type: none"> <li>• Environment</li> <li>• Financial</li> <li>• Fisheries</li> </ul>	<ul style="list-style-type: none"> <li>• Bonds</li> <li>• Tax for special relocation</li> <li>• Dune Banking</li> <li>• Special Area Fund</li> <li>• Special Area Management Planning</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of effective enforcement</li> </ul>
Marine Ecosystem Degradation	<ul style="list-style-type: none"> <li>• Fisheries Act</li> <li>• Draft Marine Pollution Act</li> <li>• NCEPA</li> <li>• Draft Environmental Legislation</li> </ul>	<ul style="list-style-type: none"> <li>• Fisheries</li> <li>• Reefs</li> <li>• Species diversification</li> <li>• Wetlands</li> <li>• beaches</li> </ul>	<ul style="list-style-type: none"> <li>• Tourism</li> <li>• Fisheries</li> <li>• Financial</li> </ul>	<ul style="list-style-type: none"> <li>• Transferable Quotas</li> <li>• Tradable Permits for Pollution</li> <li>• Duty fee for Sewage</li> <li>• Treatment</li> <li>• Eco-Labeling for reefs and beaches</li> <li>• Blue Flag</li> </ul>	<ul style="list-style-type: none"> <li>• Legal mechanisms and Political</li> <li>• Existing subsidies to hotel industry</li> <li>• Lack of effective enforcement</li> </ul>