

Maritime and coastal activities to environmental factors matrix

		ENVIRONMENTAL FACTORS																								
		Physical							Chemical				Biological													
Coastal & Maritime Activities / Events	Sub-activities /events	Substratum loss	Smothering	Suspended sediment	Desiccation	Changes in emergence regime	Changes in water flow rate	Changes in temperature	Changes in turbidity	Changes in wave exposure	Noise disturbance	Visual presence	Abandonment / Physical disturbance	Displacement	Synthetic compound contamination	Heavy metal contamination	Hydrocarbon contamination	Radionuclide contamination	Changes in nutrient levels	Changes in salinity	Changes in oxygenation	Introduction of microbial pathogens / Parasites	Introduction of non-native species	Selective extraction of target species	Selective extraction of non-target species	
		Aquaculture	Fin-fish	R	R			R					P	P	R		R						R	R	R	R
Macro-algae			P	P		P		P		P	P								P		P	R	R	R	R	
Predator control												R	R													
Shellfisheries			R	R			R		R		R	R	R		R					R		R	R	R	P	R
Climate change	Current change					R	R	R											R	P		R	R			
	Sea level change					R	R	R		R												R				
	Temperature change					R			R	R										R		R	R	R		
	Weather pattern change					R			R														R	R		
Coastal defence	Barrage	R	R	R	R	R	R	R	R	R	R	R	R	P	P	P			R	R	R					
	Beach replenishment	P	R	R	R	R	R		R	R	R	R	R	P	P	P			R		R					
	Groynes	P	P	R	R		R		R	R				P								P				
	Sea walls / breakwaters	P	P	R	R	R	R	R	R	R	R	R	P													
Collecting	Bait digging	R	R	R	R				R		R	R	R												R	
	Bird eggs										R	R	R												R	
	Curios										P	P	R	R											R	R
	Higher plants	R		R			R				R	R	R						R						R	R
	Kelp & wrack harvesting	R		R			R		R	R	R	R	R						R		R				R	R
	Macro-algae	R		R			R				R	R	R	R	P										R	R
	Shellfish	R	R	R	R				R		R	R	R	R											R	R
Development	Construction phase	R	R	R	R	R	R	P	R	R	R	R	R	P	P	P	P	R	R	R						
	Artificial reefs		P	R			R		R	R					P	P	P			R		R				
	Communication cables		P	R			R					R										R	R			
	Culverting lagoons			R	R	R	R	R	R	P										R	R	R				
	Dock/port facilities		R	R			R	P	R	R	R	R	R	R	R	P	R	P	R	P	R	R	R	R		
	Land claim	R	R	R	R			R	R													R	R			
	Marinas		R	R	R	P	R	P	R	R	R	R	R	R	P	R								R	R	R
	Oil & gas platforms		R				R				R	R	R	R	R	R	R	R	R	R	R					
Dredging	Urban			R						R	R	R	R	R	R	R	R	R	R	R	R					
	Capital dredging	R	R	R	R	R	R	R	R	R	R	R	R	P	P	P	P	R	P	R						
Energy generation	Maintenance dredging	R	R	R					R		R	R	R	R	P	P	P	P	R	R						
	Nuclear power generation		P	R				R	R		R	R			R	P		P	R	P	R					
	Power stations		P	R					R	R	R	R			R	R	P			R	P	R				
	Renewable (tide/wave)		P	P	P	P	R		P	R	P	P			R		P				P					
Extraction	Wind farms	R								R	R	R	R	R	P	P	P									
	Maerl	R	R	R			R		R	R	R	R	R						R	R	R			R	R	
	Rock/minerals (coastal quarrying)	R	R	R					R		R	R	R	R	R	R	R	R	R	R						
	Oil & gas		R								R	R								R		R				
	Sand / gravel (aggregates)	R	R	R			R		R	P	R	R	R	R	P	P	P	P	R	R						
Fisheries/ Shellfisheries	Water resources (abstraction)				P	P	R													R	R	R				
	Benthic trawls (e.g. scallop dredging)	R	R	R					R		R	R	R	R	P	P	P			R				R	R	
	Netting (e.g. fixed nets)										R	R	R	R											R	R
	Pelagic trawls										P	P													R	R
	Potting / creeling		R								R	R	R	R											R	R
Recreation	Suction (hydraulic) dredging	R	R	R					R		R	R	R	R	P	P	P			R				R	R	
	Angling										R	R	R	P											R	R
	Boating / yachting									P		R	R	R					R	P	R					
	Diving / dive site										R	R	R	R											R	
	Public beach										R	R	R								P					
	Tourist resort			R							R	R	R							R	R	R				
Uses	Water sports										R	R	R	R	P	R										
	Animal sanctuaries										P	P	P						P			P	P			
	Archaeology	R	R	R					R		R	R	R	R	P	P	P				R					
	Coastal farming		R	R					R		R	R	R	R	P	R	R					R	P			
	Coastal forestry		R	R							R	R	R	R	R	P	R					R				
	Education/interpretation										R	R	R	R										R	R	
	Military										R	R	R	R	P	P	P	P								
	Mooring / beaching / launching		R	R			R				R	R	R	R	R	P	R						P	P		
	Research	P									R	R	R	P	P	P	P		P			P	P	R	P	
	Shipping		P	R					R		R	R	R	R	R	R	R	P	R				R	R	R	
Wastes	Fishery & agricultural wastes		R	R					R						R					R		R	R			
	Industrial effluent discharge		R	R											R	R	R			R						
	Industrial / urban emissions (air)			P											R	R	R									
	Inorganic mine and particulate wastes		R	R										R		P	R	P	P	R		R				
	Land / waterfront runoff		R	R												P	P	P			R	R	R			
	Litter and debris		R											R		P	P	P								
	Nuclear effluent discharge			R							R									R						
	Sewage discharge		R	R												R	R	R	P	R			R	R		
	Shipping wastes		P	R											R	R	R						R	R	R	
	Spoil dumping		R	R										P		P	P	P	P	R			R	R		
Other	Thermal discharges (cooling water)			R				R	R						R	R	P				P	R	P	P		
	Removal of substratum	R	R	R	P	P	P		R	P	R	R	R	R	P	P	P		R		R					