Appendix 17. Maritime and coastal activities to environmental factors matrix (continued)

		ENVIRONMENTAL											AL FACTORS												
		Physical										Chemical								Biological					
Coastal & Maritime Activities / Events	Sub-activites /events Fin-fish	Substratum loss	8 Smothering	Suspended sediment	Desiccation	Changes in emergence regime	Changes in water flow rate	Changes in temperature	Changes in turbidity	Changes in wave exposure	ъ Noise disturbance	ч Visual presence	Abrasion / 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	Macro-algae Predator control Shellfisheries Current change		P	P			P R	R	P R R		P R R	P R R	R		P R				P R R	P	P	R R	R R R	R	R
Climate change	Sea level change Temperature change Weather pattern change				R R R	R	R	R R	R	R									R	R	R	R R	R R		
Coastal defence	Barrage Beach replenishment Groynes Sea walls / breakwaters	P P P	R R P	R R R	R R R	R R	R R R		R R R	R R R	R	R R R	R	R R P	P	P	P		R	R	R R P				
Collecting	Bait digging Bird eggs Curios Higher plants Kelp & wrack harvesting Macro-algae Peelers (boulder turning) Shellfish	R R R	R	R R R	R R R R	R	R R R		R	R	R R P R R R R	R R P R R R	R R R R R R	R R R R R	P				R R		R			R R R R R R	R R R
Development	Construction phase Artificial reefs Communication cables Culverting lagoons Dock/port facilities Land claim Marinas Oil & gas platforms Urban	R	P P R R R R	R R R R R	R R R	R R P	R R R R R	P R P	R R R R R R	R R P R R	R R R R	R R R R	R R R R	R	P P R R R	P P P R R	P P R R R	P	R R R R R R	R R P R	R R R R R	R R	R		
Dredging	Captial dredging Maintenance dredging Nuclear power generation	R R	R R P	R R R	R	R	R	R	R R	R	R R	R R	R R	R R	P P R	P P	P P	P P	R R	P P	R R				
Energy generation	Power stations Renewable (wind/tide/wave) Maerl	R	P P	R P R	P	P	R	R	R P R	R	R P R	R P R	R	R	R R	R	P P	•	R	P	R P R			R	R
Extraction	Oil & gas Sand / gravel (aggregates) Water resources (abstraction)	R	R R R	R	P	P	R		R	P	R R R	R R R	R	R	R R P	R R P	R R P	P	R R R	R	R R R				
Fisheries/ Shellfisheries	Benthic trawls (e.g. scallop dredging) Netting (e.g. fixed nets) Pelagic trawls Potting / creeling Suction (hydraulic) dredging	R	R R R						R		R R P R	R R P R	R R R	R R R	P	P	P		R		R			R R R	R R R
Recreation	Angling Boating / yachting Diving / dive site Public beach Tourist resort Water sports			R					P		R R R R	R R R R	R R R R	P	R R	P R P	R R		R P R		R R	R	R	R	R
Uses	Animal sanctuaries Archaeology Coastal farming Coastal forestry Education/interpretation Military Mooring / beaching / launching Research	R	R R R	R R R			R		R R R		P R R R R R	P R R R R R	P R R R R R	R R R	P R R R	P P P P	P R R R	P	P R R R		R R	P P P	P P	R	R R
Wastes	Shipping Fishery & agricultural wastes Industrial effluent discharge Industrial / urban emissions (air) Inorganic mine and particulate wastes Land / waterfront runoff Litter and debris Nuclear effluent discharge Sewage discharge Shipping wastes Spoil dumping		P R R R R R R R R R R	R R R P R R R R					R R R P R R R		R	R	R R P	R	R R R P P P P	R R R P P R R P	R R R P P R R	P P R P	R R R R R R R	R	R R R R R	R R R	R		
Other	Thermal discharges (cooling water)  Removal of substratum	R	R	R	P	P	P	R	R R	P	R	R	R	R	R P	R P	P P		R	P	R	P	P		

PROBABLE EFFECT . R POSSIBLE EFFECT . P