Note H(iv): Catchment Assessment Checklist (CAC) for marine recreational waters

The purpose of the checklist is to identify potential catchment risk factors for use in establishing the Sanitary Inspection Category (SIC).

Site/area name:								
Type of site: Open coastal bed	ach	Estuarine	Enc	closed bay Other_				
Location:								
Map references: Latitude			Longitude					
Name of local authority (specify	autho	rity responsible)						
Name of person completing checklist (for compiling report):								
Check and tick all that apply and note findings for subsequent report.								
Part A: Land use								
Type of land or human activity s	urrour	nding the recreational site.						
Land cover/geography								
Forest/bush		Pasture		Urban				
Swamp/mangroves		River/stream/irrigation		Sand dunes				
Hilly		Flat						
Urban								
Residential (population density)		Commercial		Industry (specify)				
Hotel		Harbour		Airport				
Road/rail		Military/prison (restricted areas)		Other potentially polluting activity (please specify)				
Sanitary landfills/old dumps								
Disposal of human wastes (degree and type of treatment applied - (please specify)								

Part B: Rural land use Indicate the presence of the following for agricultural land use. Sheep Dairy/beef Horses Pigs Deer Poultry Feral Is there disposal of animal wastes? (please specify) Part C: Water uses Indicate the presence of the following for the marine area. Marina Fish boat berths Permanent boat moorings Harbour Ferry berth Temporary boat moorings Additional influencing factors Size of bathing area: Area m^2 Length Mean width m Is there a beach? Average area Length Width at low tide m Width at high tide m Are there lagoons used for bathing? Is the beach subject to above average seasonal/holiday loading? Direction of prevailing onshore winds Direction of prevailing water currents Shoreline configuration/geomorphology/erosion gullies: Presence of sandbars Presence of surf: average wave heights Total rainfall Total annual: _____ mm

Seasonal patterns:

Part D: Microbiological hazards

Sewage and animal waste

Is the by:	water quality in the recreational area affected, or likely to be affected	Is it present?	Is it likely to cause an effect?
1	discharge of untreated human effluent onto or adjacent to a recreational area		
2	stormwater outlets with potential sewage contamination / combined stormwater outlet onto or adjacent to a recreational area		
3	urban stormwater that is protected from sewage ingress		
4	on-site or other private sewage disposal systems (e.g. septic tank or package plant)		
5	communal sewage disposal or primary or secondary treatment facilities		
6	communal sewage disposal with tertiary treatment facilities		
7	intensive agricultural use in immediate catchment and potential for run- off from untreated animal effluent (e.g. dairying, piggeries, milking sheds)		
8	the incidence and density of bird life (particularly where lagoons or estuarine conditions exist)		
9	water craft mooring or use (for boats, proximity, densities and pumpouts).		
		Yes	No
	re a river or stream (including a piped stream) discharging into the ational area?		

If 'Yes' complete Questions 10–15 to determine an effect.

River/stream discharge influences Is the water quality of any river or stream discharging into the recreational Is it Is it likely to area affected or likely to be affected by: present? cause an effect? 10 discharge of untreated human effluent, primary or secondary wastewater treatment plant discharge, on-site or other private sewage disposal systems (e.g. septic tank) 11 stormwater outlets with potential sewage contamination/combined stormwater outlet 12 communal sewage disposal with tertiary treatment facilities 13 high-intensity agricultural/rural activities, incidence and density of feral animal/bird population 14 focal points of drainage, as run-off from low-intensity agriculture/urban/rural catchment potential for run-off from feral animals (e.g. forest or bush). 15 Other influences Is it Is it likely to cause an effect? present? 16 tidal movements or onshore winds that are likely to carry water polluted by untreated / primary / secondary treated effluent or onsite waste treatment systems into the recreational area tidal movements or onshore winds that are likely to carry water 17 polluted by tertiary treated wastewater into the recreational area. Further considerations Yes Does rainfall trigger contamination events? Does microbiological water quality data exceed the national guidelines (280 single-sample exceedance) on any occasion? Is there additional information implying risk (such as notified illness related

Note: If the box is ticked indicating the presence of any of the above microbiological hazards, the answer as to whether it is causing an effect may be obvious (e.g. discharge of human or animal effluent onto or adjacent to a recreational area). If it is unclear whether it is causing an effect, a more detailed investigation may be required to establish relative importance and magnitude of the effect.

to recreational water activities)?