Note H(vii): Catchment Assessment Checklist for freshwater recreational areas

The purpose of the checklist is to identify potential catchment risk factors of faecal contamination for freshwater recreational water quality.

Site/area name:						
Type of site: <i>Lake</i>						
Location:						
Map references: Latitude						
Name of local authority (specify authority responsible)						
Name of person completing checklist (for compiling Check and tick all that apply and note findings for sub	• /					
Part A: Land use						
Type of land or human activity affecting the recreational site.						
Land cover/geography Forest/bush Pasture Wetlands River/stream/irrig Hilly Flat	Urban ation					
Sanitary landfills/old dumps Other Disposal of human or animal wastes (degree and type of treatment applied –	potentially polluting activity (please specify)					

Part B: Rural land use Indicate the presence of the following for agricultural land use. Sheep Dairy Beef Pigs Deer Horses Poultry Feral Is there disposal of animal wastes? (Please specify) Part C: Water uses Indicate the presence of the following for the recreational site. Marina Boat ramp Permanent boat moorings Jetty/wharf Additional influencing factors Size of bathing /recreational area: Area_____m² Length _____ m Mean width _____ m Is the site subject to seasonal/holiday loading? Yes / No Direction of prevailing winds _____ Shoreline configuration/geomorphology/erosion gullies: Total rainfall: Total annual: _____ mm Location of rainfall monitoring station: ___

Shoreline configuration/geomorphology/erosion gullies:

Part D: Microbiological hazards

Sewage and animal wastes

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	ne water quality in the recreational area <u>affected</u> , or <u>likely</u> to be <u>cted</u> by:	Is it present?	Is it likely to cause an effect?
1	discharge of untreated human effluent onto or upstream to a recreational area		
2	stormwater outlets with potential sewage contamination / combined stormwater outlet onto or upstream 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 etc.)		
8	focal points of drainage, as run-off from low-intensity agriculture/urban/rural catchment		
9	unrestricted stock access to waterways		
10	the incidence and density of birdlife		
11	water craft mooring or use	Ц	
12	potential for run-off from feral animals (e.g. forest or bush).		
Indir	ect influences		
		Yes	No
	here a stream (including a piped stream or tributary) or drain or land discharging into or upstream to the recreational area?		

If 'Yes' please answer Ques	stions 13–1	.8.
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	e water quality of that stream, drain or wetland <u>affected</u> or <u>likely</u> <u>e affected</u> by:	Is it present?	Is it likely to cause an effect?
13	discharge of untreated human effluent, primary or secondary wastewater treatment plant discharge, on-site or other private sewage disposal systems (e.g. septic tank)		
14	stormwater outlets with potential sewage contamination / combined stormwater outlet		
15	communal sewage disposal with tertiary treatment facilities		
16	high-intensity agricultural/rural activities, incidence and density of feral animal/bird population		
17	focal points of drainage, as run-off from low-intensity agriculture/urban/rural catchment		
18	potential for run-off from feral animals (e.g. forest or bush).		
Further considerations		Yes	No
Does rainfall trigger contamination events?			
Does microbiological water-quality data exceed the national guidelines (550 <i>E. coli</i> per 100 mL single sample exceedance) on any occasion?			
Is there additional information implying risk (such as notified illness related to recreational water activities)?			

Note: If the answer to any of the above microbiological hazard questions is ticked as present, the answer as to whether or not it is causing an effect may be obvious (i.e. discharge of untreated human effluent into or upstream to a recreational area). If, however, it is unclear that it is causing an effect, a more detailed investigation may be required to establish the relative importance of the effect.