8.2.11 Water resource catchments overlay code

8.2.11.1 Application

This code applies to assessable development:-

(a) subject to the water resource catchments overlay shown on the overlay maps contained within **Schedule 2 (Mapping)**; and

(b) identified as requiring assessment against the Water resource catchments overlay code by the tables of assessment in **Part 5 (Tables of assessment)**.

8.2.11.2 Purpose and overall outcomes

(1) The purpose of the Water resource catchments overlay code is to ensure that development preserves and, where possible, enhances water quality and quantity entering the following water resource catchment areas:-

(a) Lake Lenthall and downstream weirs;

(b) Teddington Weir; and

(c) Cassava Lagoons.

(2) The purpose of the code will be achieved through the following overall outcomes:-

(a) development is located, designed and managed to avoid adverse impacts on the quality of surface water and groundwater in water resource catchment areas;

(b) development maintains and, where possible, improves the quantity of surface water and groundwater entering water resource catchment areas;

(c) development does not adversely affect, either directly or indirectly, local and regional water supply storages and catchment areas;

(d) development promotes sustainable land use practices within water resource catchment areas;

(e) development protects and, where possible, enhances land resources, natural systems and vegetation within water resource catchment areas.

8.2.11.3 Assessment benchmarks

Table 8.2.11.3.1 Assessment benchmarks for assessable development

Performance outcomes		Acceptable outcomes	
Effects of development within water resource catchment areas			
PO1	Development does not have adverse effects on the quality or quantity of surface water or groundwater entering water resource catchment areas, including effects on:- (a) nutrient or other chemical levels; (b) sediment loads; (c) turbidity; (d) volumes and velocities.	**AO1**	No acceptable outcome provided.
PO2	Development involving the storage and/or use of chemicals or other potential contaminants does not adversely impact on water quality within the water resource	**AO2**	No acceptable outcome provided.

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Performance outcomes		Acceptable outcomes	
	catchment area.		
Stormwater run-off			
PO3	Development ensures that any changes to the run-off characteristics of a site:- (a) are minimised in an ecologically sustainable manner; (b) do not adversely affect catchment water quality or quantity.	**AO3**	No acceptable outcome provided.
Stormwater quality and hydrology			
PO4	Development maintains the existing groundwater hydrological regime.	**AO4.1** **AND** **AO4.2**	Development does not change the existing groundwater hydrological regime by lowering or raising the water table and hydrostatic pressure outside the bounds of variability of existing predevelopment conditions. Development does not result in the ingress of saline water into freshwater aquifers. Note - *Where development is likely to impact on the water table, a hydrological assessment undertaken by a suitably qualified professional may be required to demonstrate no adverse impact on the groundwater hydrological regime.*
Separation distance to water supply storages and waterways			
PO5	Development maintains an adequate separation distance and avoids areas of potential flood inundation to protect waterways or water supply sources.	**AO5**	Development complies with the separation distances and other locational criteria specified in **Table 8.2.11.3.2**.
Animal keeping activities			
PO6	Development maintains or improves the quality of surface water by adopting measures that exclude livestock from entering a water body where a site is being used for animal keeping activities.	**AO6**	No acceptable outcome provided.
Dangerous goods, hazardous substances or environmentally hazardous materials			
PO7	Dangerous goods, hazardous substances or environmentally hazardous materials are stored and handled in a manner that minimises the potential for contamination of surface and groundwater in the event of a leak or spill.	**AO7**	No acceptable outcome provided.
Protection and maintenance of natural systems			
PO8	Development which adjoins or incorporates waterways or wetlands:- (a) does not alter their physical form; (b) provides for the retention and enhancement of their natural environmental values.	**AO8**	No acceptable outcome provided.
PO9	Development maintains and, where possible, enhances riparian vegetation along waterways so as to:- (a) maintain their natural	**AO9**	No acceptable outcome provided.

Performance outcomes		Acceptable outcomes	
	drainage function; (b) minimise erosion of stream banks and verges; (c) reduce sediment and nutrient loads reaching waterways within the water resource catchment area.		
PO10	Development does not create or increase weed or pest management problems within the water resource catchment area.	**AO10**	No acceptable outcome provided.

Table 8.2.11.3.2 Separation distance and other locational criteria[13]

Development type and activities	Stream Order 1 To 3	Stream Order 4 or greater	Full supply level of a dam, lake or reservoir or watercourse that serves as a potable water supply	Flood immunity
Intensive animal industry	50m	100m	800m	AEP 1%
Aquaculture	Case-by-case basis	Case-by-case basis	N/A	N/A
All other agricultural or forestry land uses	50m	100m	400m	Buildings – AEP 1% Other areas – AEP 20%
Extractive industry	50m	100m	400m	AEP 1%
All other industrial uses	100m	100m	800m	
Motor sport facility	50m	100m	400m	Buildings – AEP 1% Other infrastructure (e.g. trails) – AEP 20%
Outdoor sport and recreation				
Major sport, recreation and entertainment facility				
Service station	50m	100m	800m	AEP 1%
All other development types	50m	100m	400m	AEP 1%

[13] Editor's note – Stream order can be found through the online request form at: www.qld.gov.au (search 'vegetation management maps'). The layer can also be viewed on Queensland Globe at www.qld.gov.au (search 'Queensland globe').