**State code 17: Aquaculture**

[State Development Assessment Provisions guideline - State Code 17: Aquaculture](https://www.daf.qld.gov.au/business-priorities/fisheries/habitats/fisheries-development/sdap-guidelines#:~:text=SDAP%20Guidelines%20Removal%2C%20destruction%20or%20damage%20of%20marine,food%20and%20nursery%20areas%20for%20many%20fish%20species.)**.** This guideline provides direction on how to address State Code 17 below.

### Table 17.1: Material change of use

| **Performance outcomes** | **Acceptable outcomes** | **Response** |
| --- | --- | --- |
| **Location** |
| **PO1** Development is suitably designed, constructed and maintained for the type and scale of **aquaculture** activity proposed. | No acceptable outcome is prescribed. | Complies with PO# / AO#Use this column to indicate whether compliance is achieved with the relevant PO or AO (or if they do not apply), and explain why |
| **PO2** Development is designed, constructed and maintained to minimise adverse impacts on1. **fisheries resources**;
2. **fish habitat**;
3. the natural environment.
 | **AO2.1** Development is designed, constructed and maintained to avoid adverse impacts on **fisheries resources, fish habitat** and the natural environment.  |  |
| **PO3** Structures that hold and contain **aquaculture fisheries resources** are designed, constructed and maintained to prevent the escape or release of **aquaculture fisheries resources** under the full range of conditions that could be expected at the site.  | No acceptable outcome is prescribed. |  |
| **Access** |
| **PO4** Development does not adversely impact on community access to **fisheries resources** and **fish habitat** including recreational and indigenous **fishing** access.  | **AO4.1** Development does not alter existing access infrastructure or existing community access arrangements to **fisheries resources** and **fish habitat**.  |  |
| **PO5** Development does not adversely impact on commercial **fishing** access. | No acceptable outcome is prescribed.  |  |
| **PO6** Development does not adversely impact on existing linkages associated with a commercial **fishery** and infrastructure, services, and facilities.  | No acceptable outcome is prescribed.  |  |
| **Health and productivity**  |
| **PO7** Development is designed, constructed and maintained to prevent the risk of mortality, **disease**, injury, or compromise the health and productivity of, **fisheries resources**. | No acceptable outcome is prescribed.  |  |
| **PO8** Development likely to cause drainage or disturbance to acid sulfate soils prevents the release of contaminants and impacts on **fisheries resources** and **fish habitat**. | No acceptable outcome is prescribed.  |  |
| **PO9** Development is designed, constructed and maintained:1. for the **aquaculture** of local endemic species; or
2. to eliminate the hazards and risks associated with non-endemic **aquaculture** species.
 | No acceptable outcome is prescribed.  |  |
| **PO10** Development is designed, constructed and maintained to provide for the management of **disease**. | No acceptable outcome is prescribed.  |  |
| **Land-based aquaculture development** |
| **PO11 Ponds, tanks, containers,** aquaria and drainage systems are designed, constructed and maintained to avoid leakage. | No acceptable outcome is prescribed.  |  |
| **PO12** Development is designed, constructed and maintained to mitigate **biosecurity** and **disease** risks to the natural environment. | **AO12.1** Development is designed, constructed and maintained to prevent impacts on **waterways** and wetlands by: 1. being located away from important natural features such as **waterways** and wetlands:
	1. for tidal habitats:
		1. 100 metres from **highest astronomical tide** outside an urban area; or
		2. 50 metres from **highest astronomical tide** within an urban area;
	2. for non-tidal habitats:
		1. 50 metres from bankfull width outside an urban area; and
		2. 25 metres from bankfull width within an urban area;
2. constructing all **ponds** above the **highest astronomical tide**;
3. for **land**-based freshwater **aquaculture**, not allowing **discharge** from **ponds** and **tanks** to enter Queensland waters.

AND**AO12.2** For **land**-based development, the design of the **aquaculture** facility controls the containment and release of water from all **ponds**, **tanks** and drainage systems within the approved **aquaculture** area. |  |
| **PO13 Ponds, tanks, containers,** aquaria and drainage systems are designed, constructed and maintained to ensure immunity from flooding and inundation. | *For the cultivation of exotic aquaculture fisheries resources:***AO13.1 Ponds**, **tanks**, **containers** and aquaria used to cultivate exotic **aquaculture fisheries resources** are constructed on **land** that is situated above the Q100 flood level (1% AEP), or no lower than the highest known or recorded flood level if Q100 (1% AEP) is unavailable.*For all other development*:**AO13.2 Ponds**, **tanks**, **containers** and aquaria used to cultivate **aquaculture fisheries resources** and for **bioremediation** are constructed with the lowest point of the top of wall at least the height of the Q100 flood level (1% AEP), or no lower than the highest known or recorded flood level if Q100 (1% AEP) is unavailable.AND**AO13.3 Ponds, tanks, containers** and aquaria used solely for treatment and settlement (free of **aquaculture fisheries resources**) are constructed so that the lowest point on the top of wall is at least the height of the Q50 (2% AEP) flood level.AND**AO13.4** All in-ground structures, including any structure or impoundment used for the collection or treatment of wastewater, are constructed to prevent the ingress of stormwater run-off e.g. by constructing a bund or levee wall around the structure or impoundment. |  |
| **PO14 Aquaculture fisheries resources** areprotected by excluding wild fauna through the design or structures on the site.Wild fauna (excepting zooplankton) is excluded from **land**-based aquaculture-development through:1. the design, construction, and operation preventing entry of fauna; and
2. the screening of water introduced into the **aquaculture development**.
 | No acceptable outcome is prescribed. |  |
| **Tidal aquaculture developments** |
| **PO15 Aquaculture furniture** or other structures on **tidal land** are designed, constructed and maintained to prevent stranding or entanglement of native fauna, including, but not limited to:1. **fisheries resources**;
2. birds;
3. marine mammals;
4. reptiles.
 | No acceptable outcome is prescribed. |  |
| **PO16** The type of **aquaculture fisheries resource** selected minimises risks to, and avoid impacts on, wild **fisheries resources** and other indigenous flora and fauna specific to that area. | **AO16.1 Aquaculture fisheries resources** are not released to, or placed in, Queensland waters unless they are free of **disease** and parasites, and are of the same species and the same genetic stock as the resident population of that area.AND**AO16.2** Tidal **aquaculture** is only of native Queensland **fish** species that are endemic to the location of the development.AND**AO16.3** The **aquaculture fisheries resource** can and will be produced from sufficient broodstock, sourced from the area to ensure appropriate genetic diversity to minimise risks to the natural environment. |  |
| **PO17** **Aquaculture furniture** and other infrastructure are designed, constructed and maintained to prevent movement of the structure from the intended point of placement, anchoring or mooring. | No acceptable outcome is prescribed. |  |
| **PO18** The design, construction and maintenance of **aquaculture furniture** and other infrastructure does not result in adverse impacts to **fisheries resources**. | **AO18.1 Aquaculture furniture** does not interfere with **fisheries resources**.AND**AO18.2** **Aquaculture furniture** and other infrastructure is designed, constructed and maintained to be removable.AND**AO18.3** All materials used in the construction of **aquaculture furniture** are of a chemically inactive and non-hazardous nature.AND**AO18.4** Other structures, including break walls, fences, boat ramps and jetties, are not constructed on areas allocated for **prescribed aquaculture**.AND**AO18.5 Aquaculture furniture** and other infrastructure is designed and constructed to not include any fixed structures in the substrate (except for supporting posts). |  |
| **PO19** Development in the Great Sandy Strait Marine Park:1. is within a designated **aquaculture** area identified in the Great Sandy Regional Marine Aquaculture Plan (GSRMAP);
2. is consistent with the type of **aquaculture** approved for the designated area; and
3. complies with the assessment criteria and conditions of the GSRMAP.
 | No acceptable outcome is prescribed. |  |
| **High risk activities** |
| **PO20** Development does not result in adverse impacts to fauna in inland catchments (west of the Great Dividing Range). | **AO20.1** Development is designed to prevent the spread of **disease** or the introduction of barramundi into catchments where it does not naturally occur, through:1. ensuring no water or organisms originating from the **aquaculture** of barramundi and co-cultured species is permitted to reach Queensland waters without treatment/sterilisation appropriate to render nodavirus nonviable. This includes during the transportation of aquacultured product;
2. aquacultured barramundi and co-cultured species must not be sold, traded, stocked into Queensland waters or given away for non-food purposes;
3. all **containers** used to **aquaculture** barramundi are screened to exclude predators (for example birds) without causing injury to such predators.
 |  |
| **PO21** No water or organisms originating from the **aquaculture** of **exotic fish** reaches Queensland waters with the exception of waters within constructed storage dams located above Q100 limits and used for the purposes of water storage and reuse only. | **AO21.1** Culture of **exotic fish** does not occur in open or flow-through systems that **discharge** into **waterways**.AND**AO21.2** All **containers** used to **aquaculture** **exotic fish** are screened to exclude predators (for example birds) without causing injury to such predators. |  |
| **PO22** Development involving **fish** that are listed under international, Commonwealth or State legislation as ‘near threatened’, ‘vulnerable’, ‘endangered’, ‘critically endangered’ or ‘extinct in the wild’:1. provides a net benefit to management of the chosen species;
2. avoids or acceptably minimises **biosecurity** risks;
3. manages any risks to rare, threatened, or endangered **fish.**
 | No acceptable outcome is prescribed. |  |