

# State code 8: Coastal development and tidal works

## 8.1 Purpose statement

The purpose of this code is to ensure that development is designed and located to:

1. protect life, buildings and infrastructure from the impacts of **coastal erosion**
2. maintain **coastal processes**
3. conserve **coastal resources**
4. maintain appropriate public use of, and access to and along, **state coastal land**
5. account for the projected impacts of climate change; and
6. avoid impacts on **matters of state environmental significance** and, where avoidance is not reasonably possible, minimise and mitigate impacts, and provide an **offset** for **significant residual impacts** where appropriate.

In addition to the above, the purpose of this code is to ensure that development involving operational works which is not assessed by local government is designed and located to protect life and property from the impacts of **storm tide inundation**.

Note: Guidance on achieving compliance with the performance outcomes and acceptable outcomes in the code is provided in the Guideline – SDAP State code 8: Coastal development and tidal works, Department of Environment and Heritage Protection, 2016. Guidance for determining if development will have a significant residual impact on a matter of state environmental significance is provided in the Significant Residual Impact Guideline, Department of State Development, Infrastructure and Planning, 2014.

## 8.2 Performance outcomes and acceptable outcomes

All development should demonstrate compliance with the relevant provisions of table 8.2.1. Development involving operational work should also demonstrate compliance with the relevant provisions of table 8.2.2. Development involving operational work which is not assessed by local government should demonstrate compliance with the relevant provisions of table 8.2.1, table 8.2.2 and table 8.2.3.

**Table 8.2.1: All development**

Performance outcomes	Acceptable outcomes
<b>Development in the erosion prone area</b>	
<p><b>PO1</b> Development does not occur in the <b>erosion prone area</b> unless the development:</p> <ol style="list-style-type: none"> <li>1. is one of the following types of development:               <ol style="list-style-type: none"> <li>a. <b>coastal-dependent development</b>; or</li> <li>b. <b>temporary, readily relocatable or able to be abandoned</b>; or</li> <li>c. <b>essential community infrastructure</b>; or</li> <li>d. <b>redevelopment</b> of an existing permanent building or structure that cannot be relocated or abandoned; and</li> </ol> </li> <li>2. cannot feasibly be located elsewhere.</li> </ol>	No acceptable outcome is prescribed.
<p><b>PO2</b> Development other than <b>coastal protection work</b>:</p> <ol style="list-style-type: none"> <li>1. avoids impacting on <b>coastal processes</b>; and</li> <li>2. ensures that the protective function of landforms and vegetation is maintained.</li> </ol> <p>Note: In considering reconfiguring a lot applications, the state may require land in the <b>erosion prone area</b> to be surrendered to</p>	No acceptable outcome is prescribed.

Performance outcomes	Acceptable outcomes
<p>the State for coastal management purposes under the <i>Coastal Protection and Management Act 1995</i>.</p> <p>Where the planning chief executive receives a copy of a land surrender requirement or proposed land surrender notice under the <i>Coastal Protection and Management Act 1995</i>, this must be considered in assessing the application.</p>	
<p><b>PO3</b> Development is located, designed and constructed to minimise the impacts from <b>coastal erosion</b> by:</p> <ol style="list-style-type: none"> <li>1. locating the development as far landward as practicable; or</li> <li>2. where it is demonstrated that 1 is not feasible, mitigate or otherwise accommodate the risks posed by <b>coastal erosion</b>.</li> </ol>	No acceptable outcome is prescribed.
<p><b>PO4</b> Development does not significantly increase the risk or impacts to people and property from <b>coastal erosion</b>.</p>	No acceptable outcome is prescribed.
<p><b>PO5</b> Development other than <b>coastal protection work</b> avoids directly or indirectly increasing the severity of <b>coastal erosion</b> either on or off the site.</p>	No acceptable outcome is prescribed.
<p><b>PO6</b> In areas where a <b>coastal building line</b> is present, building work is located landward of the <b>coastal building line</b> unless <b>coastal protection work</b> has been constructed to protect the development.</p>	No acceptable outcome is prescribed.
<b>Artificial waterways</b>	
<p><b>PO7</b> Development of <b>artificial waterways</b>, canals and <b>dry-land marinas</b> minimises impacts on <b>coastal resources</b> by:</p> <ol style="list-style-type: none"> <li>1. maintaining the <b>tidal prism volume</b> of the natural waterway to which it is connected</li> <li>2. demonstrating a whole-of-life strategy for the disposal of <b>dredged material</b>.</li> </ol>	No acceptable outcome is prescribed.
<b>Coastal protection work</b>	
<p><b>PO8</b> Works for <b>beach nourishment</b> minimise adverse impacts on <b>coastal processes</b> and avoid any increase in the severity of erosion on adjacent land by:</p> <ol style="list-style-type: none"> <li>1. sourcing sand from an area that does not adversely impact on the active beach system</li> <li>2. ensuring imported sand is compatible with natural beach sediments and <b>coastal processes</b> of the receiving beach.</li> </ol>	No acceptable outcome is prescribed.
<p><b>PO9</b> <b>Erosion control structures</b> are only constructed where there is an imminent threat to buildings or infrastructure of value, and there is no feasible option for either:</p> <ol style="list-style-type: none"> <li>1. <b>beach nourishment</b>; or</li> <li>2. relocation or abandonment of structures.</li> </ol> <p>Statutory note: The monetary value of buildings or infrastructure should be more than the cost of associated erosion control structures.</p>	No acceptable outcome is prescribed.
<p><b>PO10</b> <b>Erosion control structures</b> minimise interference with <b>coastal processes</b>, or any increase to the severity of erosion on adjacent land by:</p>	No acceptable outcome is prescribed.

Performance outcomes	Acceptable outcomes
<ol style="list-style-type: none"> <li>1. locating the <b>erosion control structure</b> as far landward as practicable and directly adjacent to the structure it is intended to protect</li> <li>2. where required and feasible, importing sand to the site to mitigate any increase in the severity of erosion</li> <li>3. the design of the structure.</li> </ol>	
<b>Water quality</b>	
<p><b>PO11</b> Development:</p> <ol style="list-style-type: none"> <li>1. maintains or enhances <b>environmental values</b> of receiving waters</li> <li>2. achieves the <b>water quality objectives</b> of Queensland waters</li> <li>3. avoids the release of <b>prescribed water contaminants</b> to <b>tidal waters</b>.</li> </ol> <p>Note: See Environmental Protection (Water) Policy 2009 for the relevant <b>water quality objectives</b>.</p>	No acceptable outcome is prescribed.
<b>Category C and R areas of vegetation</b>	
<p><b>PO12</b> Development:</p> <ol style="list-style-type: none"> <li>1. avoids impacts on <b>category C areas</b> of vegetation and <b>category R areas</b> of vegetation; or</li> <li>2. minimises and mitigates impacts on <b>category C areas</b> of vegetation and <b>category R areas</b> of vegetation after demonstrating avoidance is not reasonably possible.</li> </ol>	No acceptable outcome is prescribed.
<b>Public use of and access to state coastal land</b>	
<p><b>PO13</b> Development maintains or enhances public use of and access to and along <b>state coastal land</b> (except where this is contrary to the protection of <b>coastal resources</b> or public safety).</p>	No acceptable outcome is prescribed.
<p><b>PO14</b> <b>Private marine development</b> ensures that works:</p> <ol style="list-style-type: none"> <li>1. are used for <b>marine access purposes</b> only</li> <li>2. minimise the use of <b>state coastal land</b></li> <li>3. do not interfere with access between <b>navigable waterways</b> and adjacent properties.</li> </ol>	No acceptable outcome is prescribed.
<p><b>PO15</b> Development ensures <b>erosion control structures</b> are located within the premises they are intended to protect unless there is no feasible alternative.</p>	No acceptable outcome is prescribed.
<b>Matters of state environmental significance</b>	
<p><b>PO16</b> Development:</p> <ol style="list-style-type: none"> <li>1. avoids impacts on <b>matters of state environmental significance</b>; or</li> <li>2. minimises and mitigates impacts on <b>matters of state environmental significance</b> after demonstrating avoidance is not reasonably possible; and</li> <li>3. provides an <b>offset</b> if, after demonstrating all reasonable avoidance, minimisation and mitigation measures are undertaken, the development results in an acceptable <b>significant residual impact</b> on a <b>matter of state environmental significance</b>.</li> </ol> <p>Statutory note: For Brisbane core port land, an offset may only be applied to development on land identified as E1</p>	No acceptable outcome is prescribed.

Performance outcomes	Acceptable outcomes
<p>Conservation/Buffer, E2 Open Space or Buffer/Investigation in the Brisbane Port LUP precinct plan. For the Brisbane Port LUP, see <a href="http://www.portbris.com.au">www.portbris.com.au</a>.</p> <p>Note: Guidance for determining if the development will have a <b>significant residual impact</b> on the <b>matter of state environmental significance</b> is provided in the Significant Residual Impact Guideline, Department of State Development, Infrastructure and Planning, 2014. Where the <b>significant residual impact</b> is considered an acceptable impact on the <b>matter of state environmental significance</b> and an <b>offset</b> is considered appropriate, the <b>offset</b> should be delivered in accordance with the <i>Environmental Offsets Act 2004</i>.</p>	

**Table 8.2.2: All operational work**

Performance outcomes	Acceptable outcomes
<b>Private marine development</b>	
<b>PO17 Private marine development</b> does not require the construction of <b>coastal protection work</b> , shoreline or riverbank hardening or <b>dredging</b> for <b>marine access purposes</b> .	No acceptable outcome is prescribed.
<b>Disposal of solid waste or dredged material from artificial waterways</b>	
<b>PO18</b> Solid waste from land and <b>dredged material</b> from <b>artificial waterways</b> is not disposed of in <b>tidal water</b> unless it is for <b>beneficial reuse</b> .	No acceptable outcome is prescribed.
<b>Disposal of dredged material other than from artificial waterways</b>	
<b>PO19</b> <b>Dredged material</b> is returned to <b>tidal water</b> where this is needed to maintain <b>coastal processes</b> and sediment volume.	No acceptable outcome is prescribed.
<b>PO20</b> Where it is not needed to maintain <b>coastal processes</b> and sediment volume, the quantity of <b>dredged material</b> disposed to <b>tidal water</b> is minimised through <b>beneficial reuse</b> or disposal on land.	No acceptable outcome is prescribed.
<b>All dredging and any disposal of dredged material in tidal water</b>	
<b>PO21</b> All <b>dredging</b> and any disposal of <b>dredged material</b> in <b>tidal water</b> is: <ol style="list-style-type: none"> <li>demonstrated to be safe with regard to protection of the marine environment and by meeting the National Assessment Guidelines for Dredging 2009, Department of Environment and Energy, 2009, or later version; and</li> <li>supported by a monitoring and management plan that protects the marine environment and that complies with the National Assessment Guidelines for Dredging 2009, Department of Environment and Energy, 2009, or later version.</li> </ol>	No acceptable outcome is prescribed.
<b>Reclamation</b>	
<b>PO22</b> Development does not involve <b>reclamation</b> of land below <b>tidal water</b> , other than for the purposes of: <ol style="list-style-type: none"> <li><b>coastal-dependent development, public marine development</b> or community infrastructure; or</li> <li>strategic ports, priority ports, boat harbours or strategic airports and aviation facilities, in accordance with a statutory land use plan or master plan, where there is a demonstrated net benefit for the state or region and no feasible alternative exists; or</li> </ol>	No acceptable outcome is prescribed.

Performance outcomes	Acceptable outcomes
3. <b>coastal protection work</b> or work necessary to protect <b>coastal resources</b> or <b>coastal processes</b> .	

**Table 8.2.3: Operational work which is not assessed by local government**

Performance outcomes	Acceptable outcomes
<b>PO23</b> Works are located and designed such that they continue to operate safely during and following a <b>defined storm tide event</b> .	<b>AO23.1</b> Tidal work is designed and located in accordance with the Guideline: Building and engineering standards for tidal works, Department of Environment and Heritage Protection, 2017.

## 8.3 Reference documents

Department of Environment and Energy 2009, [National Assessment Guidelines for Dredging 2009](#)

Department of Environment and Heritage Protection 2016, [Environmental offsets framework documents](#)

Department of Environment and Heritage Protection 2017, [Guideline – SDAP State code 8: Coastal development and tidal works](#)

Department of Environment and Heritage Protection 2017, [Guideline: Building and engineering standards for tidal works](#)

Department of State Development, Infrastructure and Planning 2014, [Significant Residual Impact Guideline](#)

## 8.4 Glossary of terms

**Artificial waterway** see section 8 of the *Coastal Protection and Management Act 1995*.

Note: **Artificial waterway** means an artificial channel, lake or other body of water. An **artificial waterway** includes:

1. an access channel
2. an artificial channel that is formed because land has been reclaimed from **tidal water** and is intended to allow boating access to allotments on subdivided land
3. other artificial channels subject to the ebb and flow of the tide
4. any additions or alterations to an **artificial waterway**.

However, an **artificial waterway** does not include the following:

1. a swimming pool
2. an ornamental pond of no more than 5 000 square metres in area
3. a pond for aquaculture or for treating effluent
4. a freshwater storage reservoir for domestic water supply
5. a water storage facility situated on a natural watercourse and used for irrigation or other agricultural purposes
6. a part of a river, creek or stream in which water flows in a natural channel, whether artificially improved or not
7. a drain for carrying stormwater or other material
8. any of the following used for accessing port infrastructure if constructed in the area of a port for which a port authority or port operator is responsible:
  - a. a navigation channel
  - b. a harbour swing basin
  - c. a berth pocket
  - d. a berth approach or departure path.

**Beach nourishment** means the replenishment of a beach system using imported sediment to balance erosion losses or to re-establish a wider beach and dune system. It does not include the creation of a new beach.

**Beneficial reuse** means using **dredged material** for a purpose that provides social, economic or environmental benefits (or a combination of these). It includes **beach nourishment**, **reclamation**, environmental restoration purposes (such as restoring wetlands or nesting islands) and use on land for fill or construction purposes.

**Category C areas** means areas of high value regrowth vegetation classed as 'endangered' or 'of concern' under the *Vegetation Management Act 1999* that are shown on the regulated vegetation management map as **category C areas**.

**Category R areas** means regrowth watercourse and drainage feature areas under the *Vegetation Management Act 1999* that are shown on the regulated vegetation management map as **category R areas**.

**Coastal building line** see the *Coastal Protection and Management Act 1995*.

Note: **Coastal building line** means a line declared as a **coastal building line** under the *Coastal Protection and Management Act 1995*.

**Coastal-dependent development:**

1. means development that in order to function must be located in **tidal waters** or be able to access **tidal water**; and
2. may include, but is not limited to:
  - a. industrial and commercial facilities such as ports, harbours and navigation channels and facilities, aquaculture involving marine species, desalination plants, tidal generators, **coastal protection works, erosion control structures, public marine development and beach nourishment**
  - b. tourism facilities for marine (boating) purposes
  - c. community facilities and sporting facilities which require access to **tidal water** in order to function, such as surf clubs, marine rescue, rowing and sailing clubs; or
  - d. co-located residential and tourist uses that are part of an integrated development proposal (e.g. mixed use development) incorporating a marina, if these uses are located directly landward of the marina and appropriately protected from natural hazards; but
3. does not include:
  - a. residential development, including canal development, as the primary use
  - b. waste management facilities, such as landfills, sewerage treatment plants; or
  - c. transport infrastructure, other than for access to the coast.

**Coastal erosion** means the loss of land or the removal of beach or dune sediments by wave action, wind action, tidal currents or water flows or by permanent inundation due to **sea level rise**.

**Coastal management district** see the Planning Regulation 2017.

Note: **Coastal management district** means a **coastal management district** under the *Coastal Protection and Management Act 1995*, other than an area declared under section 54(2) of that Act.

**Coastal processes** means the natural processes of the coast, including:

1. sediment transport to and along the coast
2. wind, waves, tides and currents which transfer energy to the coast and drive sediment transport
3. fluctuations in the location and form of landforms and the foreshore and associated ecosystems from sediment transport (erosion and land building); and
4. changes in sea level; ecological processes (including growth and spread of native plants); and the natural water cycle (for example coastal wetlands' role in filtration and flood mitigation).

**Coastal protection work** means any permanent or periodic work undertaken primarily to manage the impacts of **coastal erosion** or **storm tide inundation**, including the use of **erosion control structures** and altering **coastal processes** such as sediment transport.

**Coastal resources** means the natural resources of the coastal zone. It includes natural and physical features and landforms, **coastal processes**, vegetation, wildlife, the marine environment, quarry material, soil, water and air.

**DA mapping system** means the mapping system containing the Geographic Information System mapping layers kept, prepared or sourced by the state that relate to development assessment and matters of interest to the state in assessing development applications.

Note: The **DA mapping system** is available on the department's website.

**Defined storm tide event (DSTE)** means the event, measured in terms of likelihood of reoccurrence, and associated inundation level adopted to manage the development of a particular area. The DSTE is equivalent to a one in 100 year average recurrence interval storm event incorporating:

1. **sea level rise**; and
2. an increase in cyclone intensity by 10 percent relative to maximum potential intensity.

Note: Where **storm tide inundation** levels have not been determined by a local study, the **defined storm tide event level** can be determined by reference to default **storm tide inundation** area mapping, as depicted in the **DA mapping system**. In these mapping layers, **storm tide inundation** is based on default values of 1.5 metres above highest astronomical tide (HAT) for South East

Queensland and 2.0 metres above HAT for the remainder of the state. Where required, the storm tide level can be related back to Australian Height Datum by reference to the Queensland Tide Tables.

**Defined storm tide event level** means the peak water level reached during a **defined storm tide event**.

**Dredged material** means mud, sand, coral, shingle, gravel, clay, earth and other material removed by **dredging** from the bed in **tidal water**. Dredged material includes **dredge spoil**, quarry material where it is removed from **tidal water** as a commercial product and sand dredged for **beach nourishment**.

**Dredging** means the mechanical removal of **dredged material** from below **tidal water**. It excludes minor adjustments to the bed surface to level troughs and peaks and where bed material is only redistributed locally (bed levelling).

**Dry-land marina** means a marina created by the excavation of land above the high water mark.

**Environmental value** see the *Environmental Protection Act 1994*.

Note: **Environmental value** means:

1. a quality or physical characteristic of the environment that is conducive to ecological health or public amenity or safety; or
2. another quality of the environment identified and declared to be an **environmental value** under an environmental protection policy or regulation.

The Environmental Protection (Water) Policy 2009 states the **environmental values** of waters.

**Erosion control structure** means a structure designed to protect land or to permanently alter sediment transport processes and includes a structure such as a seawall or revetment (rock walls), groyne, artificial reef, or breakwater.

**Erosion prone area** means an area declared to be an **erosion prone area** under section 70(1) of the *Coastal Protection and Management Act 1995*.

Note: The **erosion prone area** is indicatively shown on the **DA mapping system**.

**Erosion prone areas** are identified in accordance with the methodology set out in the Coastal Hazard Technical Guide, Department of Environment and Heritage Protection, 2013 and use the following factors to account for the projected impacts of climate change by the year 2100:

1. a **sea level rise** factor of 0.8 metres
2. an increase in the maximum cyclone intensity by 10 percent.

**Essential community infrastructure** includes:

1. emergency services infrastructure
2. emergency shelters
3. police facilities
4. hospitals and associated facilities
5. stores of valuable records or heritage items
6. infrastructure forming part of the electricity transmission grid or supply network
7. communications facilities
8. sewerage treatment plants
9. water treatment plants.

**Marine access purpose** means a structure in **tidal water** used to facilitate vessel access for people between land and a **navigable waterway**. This includes jetties, pontoons and boat ramps but excludes decks and boardwalks.

**Matters of state environmental significance** see schedule 2 of the Environmental Offsets Regulation 2014.

Note: **Matters of state environmental significance** are **prescribed environmental matters** under the Environmental Offsets Regulation 2014 that require an **offset** when a prescribed activity will have a **significant residual impact** on the matter. A **matter of state environmental significance** is any of the following matters:

1. regional ecosystems under the *Vegetation Management Act 1999* that:
  - a. are endangered regional ecosystems
  - b. are of concern regional ecosystems
  - c. intersect with a wetland shown on the vegetation management wetlands map
  - d. contain areas of essential habitat shown on the essential habitat map for an animal that is endangered wildlife or vulnerable wildlife or a plant that is endangered wildlife or vulnerable wildlife
  - e. are located within the defined distances stated in the Environmental Offsets Policy 2014 from the defining banks of a relevant watercourse or drainage feature as shown on the vegetation management watercourse and drainage feature map
  - f. contain remnant vegetation and are areas of land determined to be required for ecosystem functioning ('connectivity areas')

2. wetlands in a wetland protection area or wetlands of high ecological significance shown on the Map of referable wetlands under the Environmental Protection Regulation 2008
3. wetlands and watercourses in high ecological value waters as defined in schedule 2 of the Environmental Protection (Water) Policy 2009
4. designated precincts in strategic environmental areas under the Regional Planning Interests Regulation 2014
5. threatened wildlife under the *Nature Conservation Act 1992* and special least concern animals under the Nature Conservation (Wildlife) Regulation 2006
6. protected areas under the *Nature Conservation Act 1992* excluding coordinated conservation areas
7. highly protected zones of state marine parks under the *Marine Parks Act 2004*
8. declared fish habitat areas under the *Fisheries Act 1994*
9. waterways that provide for fish passage under the *Fisheries Act 1994* if the construction, installation or modification of waterway barrier works carried will limit the passage of fish along the waterway
10. marine plants under the *Fisheries Act 1994*
11. legally secured **offset** areas.

**Navigable waterway** means waters with a sufficient depth and width to allow safe passage by all vessel sizes and types that frequently use the area.

**Offset** means environmental **offset** under the *Environmental Offsets Act 2014*.

Note: Environmental **offset** means an activity undertaken to counterbalance a **significant residual impact** of a prescribed activity on a **prescribed environmental matter**, delivered in accordance with the Environmental offsets framework, Department of Environment and Heritage Protection, 2016. The **prescribed environmental matters** assessed under the SDAP are **matters of state environmental significance**.

**Prescribed environmental matters** see the Environmental Offsets Regulation 2014.

Note: A **prescribed environmental matter** is any species, ecosystem or other similar matter protected under Queensland legislation for which an environmental **offset** may be provided. A **prescribed environmental matter** may be a matter of national, state or local environmental significance, however, assessment criteria in the SDAP only relate to **matters of state environmental significance**. Each of the **prescribed environmental matters** are listed under the Environmental Offsets Regulation 2014.

**Prescribed water contaminants** see the *Environmental Protection Act 1994*.

Note: See schedule 9 of the Environmental Protection Regulation 2008 for a list of **prescribed water contaminants**.

**Private marine development** means a work for a non-commercial purpose attached to private land and extending over abutting **tidal water**.

**Public marine development** means development for public use that requires location in or adjacent to **tidal water** to function.

**Reclamation** see the *Coastal Protection and Management Act 1995*.

Note: **Reclamation** of land under **tidal water** means raising the land above the high water mark, whether gradually and imperceptibly or otherwise, by carrying out works, including **dredging** and the depositing of solid material.

**Redevelopment** means development that affects permanent built structures on an already developed site. Redevelopment includes the expansion of a building footprint or addition of a structure, reconstruction or remodelling an exterior, demolition and replacement of existing structures.

**Sea level rise** means an increase in sea level caused by global warming due to climate change. Sea level rise is projected to be 0.8 metres from the present day to 2100.

Note: **Sea level rise** projections based on the best available science are prepared by the Intergovernmental Panel on Climate Change.

**Significant residual impact** see the *Environmental Offsets Act 2014*.

Note: **Significant residual impact** is an impact, whether direct or indirect, of a prescribed activity on all or part of a **prescribed environmental matter** that:

1. remains, or will or is likely to remain, (whether temporarily or permanently) despite on-site mitigation measures for the prescribed activity
2. is, or will or is likely to be, significant.

Guidance for determining if a prescribed activity will have a **significant residual impact** on a **matter of state environmental significance** is provided in the Significant Residual Impact Guideline, Department State Development, Infrastructure and Planning, 2014.

**State coastal land** see the *Coastal Protection and Management Act 1995*.

Note: **State coastal land** means land in a **coastal management district** other than land that is:

1. freehold land, or land contracted to be granted in fee simple by the state; or
2. a state forest or timber reserve under the *Forestry Act 1959*; or
3. in a watercourse or lake as defined under the *Water Act 2000*; or
4. subject to a lease or licence issued by the state.

**State coastal land** includes land that is, or is at any time, covered by **tidal water**.



**Storm tide inundation** means temporary inundation of land by abnormally high ocean levels caused by cyclones and severe storms.

**Temporary, readily relocatable or able to be abandoned** means a structure that, if threatened by **coastal erosion**, will be relocated, removed or allowed to be lost rather than protected from the impacts because it is:

1. of low economic value; and
2. is capable of being disassembled, is easily removed, or loss by erosion is of low consequence; and
3. is not an intrinsic part of infrastructure or will have high social value or need; or
4. intended to remain in place for only a short period and then removed, whether or not it is threatened by **coastal erosion**.

**Tidal prism volume** means the volume of water for a specified area between the mean high water springs and mean low water springs tidal planes, or the volume of water leaving an estuary during the ebb tide.

**Tidal water** see the *Coastal Protection and Management Act 1995*.

Note: **Tidal water** means:

1. the sea and any part of a harbour or watercourse ordinarily within the ebb and flow of the tide at spring tides; or
2. the water downstream from a downstream limit as defined under the *Water Act 2000*.

**Water quality objectives** means the numerical concentration limits, mass or volume limits per unit of time or narrative statements of indicators established for waters to enhance or protection the **environmental values** for those waters set out in:

1. schedule 1 of the Environmental Protection (Water) Policy 2009, for water mentioned in the policy; or
2. otherwise, the Queensland Water Quality Guidelines 2009.