



# Queensland Government

Department of  
**Agriculture, Fisheries  
and Forestry**

Our reference: 003/0002775 (#2935535)

18 June 2014

Mr Peter Marsh  
Team Leader Waterways & Coastal Infrastructure  
Drainage, Waterways and Coastal Planning  
Engineering, Construction and Maintenance  
Moreton Bay Regional Council  
**Peter.Marsh@moretonbay.qld.gov.au**

Dear Peter

## **Comments on the South Pine River Shoreline Erosion Management Plan Stage 2 Draft Report (May 2014)**

I refer to your email dated 5 May 2014 to Fisheries Queensland, Department of Agriculture, Fisheries and Forestry, seeking comments on the South Pine River Shoreline Erosion Management Plan State 2 Draft Report (May 2014).

Fisheries Queensland has reviewed the draft report and provides the following comments and advice.

| <b>3.0 Pine Rivers Park</b>             |   |  |
|---|---|--|
| Section                                 | Issue   | Comment  |
| 3.3.3 Option C<br>– Soft<br>Engineering | The planting of re-profiled banks will include tidal and non-tidal riparian vegetation.         | Allowing natural erosion processes to occur and the use of soft engineering options are the preferred option of DAFF.<br><br>The planting of riparian vegetation is fully supported. Any marine plant disturbance may be authorised for the restoration and rehabilitation of fish habitats through the use of the self-assessable code MP06, or under a development permit issued under the <i>Sustainable Planning Act 2009</i> (SPA). |
| 3.3.4 Option D<br>– Hard<br>Engineering | This option includes the installation of rock, concrete, gabion mattresses and retaining walls. | The installation of permanent erosion protection structures that are to regularise the bank are not waterway barrier works.  |

Maroochy Research Facility  
47 Mayers Road Nambour  
PO Box 5083 SCMC Nambour  
Queensland 4560 Australia  
Customer Service Centre: 13 25 23  
Website: [www.daff.qld.gov.au](http://www.daff.qld.gov.au)  
ABN: 66 934 348 189

|                                    |  |   |
|------------------------------------|--|---|
|                                    |  | Marine plant disturbance associated with the installation of hard engineering structures will require a development permit under SPA with disturbance of more than 25 square metres required to be offset.  |
| 3.3.5 Option E – Diversion         | This option is considered to be too risky to implement.  | DAFF does <u>not</u> support diversion of the waterway.   |
| 3.3.5.4 Legislative Considerations | The diversion works may involve the removal, destruction or damage of marine plants.   | This section should include reference to the need for a development permit for operational works that is the removal, destruction or damage of marine plants under SPA, if relevant.  |
| 3.5 Recommended Strategy           | The recommended strategy for Reach C is soft engineering with a hard engineering solution (rock gabion wall) to protect the existing transmission tower. | The recommended strategy is supported.  |
| 3.6 Approvals                      | DAFF has jurisdictional interest for fisheries matters and waterway barrier works.   | The Pine Rivers Park area is not within a declared Fish Habitat Area. If the works will involve operational works that is the removal, destruction or damage of marine plants the work would need to comply with a self-assessable code or a development permit under SPA will be required. |

| <b>4.0 Pitonga and Normanby Way</b>          |  |  |
|--|--|--|
| Section                                      | Issue  | Comment  |
| 4.3.2 Option B – Monitor, Maintain and Defer | The existing erosion protection (rock gabion wall) on Normanby Way will be maintained.   | Provided that the rock gabion wall is an authorised structure then maintenance involving the removal, destruction or damage of marine plants may be undertaken in accordance with the self-assessable code MP02.   |
| 4.3.3 Option C – Soft Engineering            | Steep banks will be re-profiled and stabilised through geo-textile and planting of tidal and non-tidal riparian vegetation. Rock rolls may be installed. | <p>Allowing natural erosion processes to occur and the use of soft engineering options are the preferred option of DAFF.</p> <p>The re-profiling of the bank and planting of riparian vegetation is fully supported. Any marine plant disturbance may be authorised through the use of the self-assessable code MP06 for the restoration and rehabilitation of fish habitats, or under a development permit issued under the <i>Sustainable Planning Act 2009</i> (SPA).</p> <p>The use of rock rolls is more appropriate for inclusion in 4.3.4 Option D – Hard Engineering as these are not typical of soft engineering solutions.</p> |
| 4.3.4 Option D – Hard Engineering            | Erosion will be halted through re-profiling of the banks and lining with rock, rock-filled   | The installation of erosion protection structures that are to regularise the bank are not waterway barrier works.  |

|                          |  |   |
|--------------------------|--|---|
|                          | gabions and / or interlocking concrete blocks, or through the installation of rock filled gabion basket retaining structures.                        | Marine plant disturbance associated with hard engineering structures will require a development permit under SPA with disturbance of more than 25 square metres required to be offset.                                |
| 4.5 Recommended Strategy | As there is no immediate threat to unprotected non-relocatable assets, Option A-C will be adopted. Option D will not be adopted.                     | The recommended strategy is supported.  |
| 4.7 Approvals            | The SEMP indicates that no approvals are required for implementation of the recommended strategy within the <i>Pitonga and Normanby Way</i> section. | If the works will involve operational works that is the removal, destruction or damage of marine plants the work would need to comply with a self-assessable code or a development permit under SPA will be required. |

| Learmonth Street                  |  |   |
|-----------------------------------|--|---|
| Section                           | Issue  | Comment   |
| 5.3.3.1 Revegetate                | Prevent unmanaged access, boat wash and other erosive forces to promote the natural re-colonisation of mangroves and possible active planting.                                       | This option is fully supported by DAFF.<br><br>The collection of mangrove seedlings for use in a restoration and rehabilitation project may be undertaken under the self-assessable code MP06. Council would be required to submit a project plan to Fisheries Queensland for endorsement to allow use of the self-assessable code.   |
| 5.3.3.2 Re-profile and Revegetate | If erosion worsens, banks will be re-profiled and stabilised through geo-textile and planting of tidal and non-tidal riparian vegetation. Rock rolls may be installed.               | Allowing natural erosion processes to occur and the use of soft engineering options are the preferred option of DAFF.<br><br>The re-profiling of the bank and stabilisation through geotextile and riparian plantings is supported. Any marine plant disturbance associated with this work could be authorised under a development permit under the <i>Sustainable Planning Act 2009</i> (SPA) or through the use of the self-assessable code MP06 for the restoration and rehabilitation of fish habitats.<br><br>The use of rock rolls is more appropriate for inclusion in 4.3.4 Option D – Hard Engineering as these are not typical of soft engineering solutions. |
| 5.3.4 Option D – Hard Engineering | Erosion will be halted through re-profiling of the banks and lining with rock, rock-filled gabions and / or interlocking concrete blocks, or through the installation of rock filled | The installation of erosion protection structures that are to regularise the bank are not waterway barrier works. If the proposed erosion protection does not regularise the bank and / or extends into the waterway then this may constitute   |

|                          |  |   |
|--------------------------|--|---|
|                          | gabion basket retaining structures.  | waterway barrier works and require a development permit under the <i>Sustainable Planning Act 2009</i> (SPA).<br><br>Marine plant disturbance associated with hard engineering structures will require a development permit under SPA with disturbance of more than 25 square metres required to be offset. |
| 5.5 Recommended Strategy | Maintain of existing mangroves and rock gabion wall at Bob Bell Park and Learmonth Street, promote mangrove colonisation at Bob Bell Park and hard erosion protection of the bank near the transmission tower. | The recommended strategy is supported.<br><br>It should be noted that the installation of rock rolls may trigger waterway barrier works approval requirements and this should be recognised in this section as it is in section 5.7 Approvals.  |
| 5.7 Approvals            | The recommended strategy involves the installation of hard erosion protection that may require marine plant disturbance.   | Marine plant disturbance associated with hard engineering structures will require a development permit under SPA with disturbance of more than 25 square metres required to be offset.  |

If you require any further information regarding this matter, please do not hesitate to contact Celeste Bownds by email [celeste.bownds@daff.qld.gov.au](mailto:celeste.bownds@daff.qld.gov.au) or telephone 07 5453 5867.

Yours sincerely



Nicole McKirdy

**Senior Impact Assessment and Management Officer  
Fisheries Queensland**