



**APPLICATION FORM**  
**FOR A PERMIT TO DREDGE, RECLAIM, OBSTRUCT**  
**FISH PASSAGE, HARM MARINE VEGETATION, USE**  
**EXPLOSIVES OR ELECTRICAL DEVICES IN A**  
**WATERWAY IN ACCORDANCE WITH PARTS 2 & 7 OF**  
**THE *FISHERIES MANAGEMENT ACT 1994***

1. Before proceeding, please check the Policy Definition of Key Fish Habitat and the relevant Key Fish Habitat maps available at:

<http://www.dpi.nsw.gov.au/fisheries/habitat/publications/protection/key-fish-habitat-maps>

If your proposed work site is not within or adjacent to a waterway that fits the definition of Key Fish Habitat and/or is not mapped as Key Fish Habitat, you do not need a permit for dredging, reclamation, obstructing fish passage under the *Fisheries Management Act 1994*. You may still need a permit to harm marine vegetation (such as saltmarsh or mangroves) if such vegetation occurs on an unmapped waterway on public water land (please check with your local Fisheries Conservation Manager). You may still need a permit to use explosives or electrical devices as well as an approval under other legislation (such as the *Water Management Act*, *Crown Lands Act* or *Environmental Planning and Assessment Act*).

2. When completed, email your application to: [ahp.central@dpi.nsw.gov.au](mailto:ahp.central@dpi.nsw.gov.au)  
Use the following format in the Subject Line:  
Fisheries Permit Application - (Name of organisation or individual) - (Name of waterway) - (Type of Works)  
e.g. Fisheries Permit Application - Black Hills Council - Smiths Creek - Causeway Replacement
  3. **Do not send payment.** The Department will invoice you for the permit based on the fee structure on the following page (as per Schedule 8 of the *Fisheries Management (General) Regulation 2010*). A Departmental Officer will contact you if the Assessment Fee is expected to exceed the "Moderate" category. In most cases the total permit fee consists of an Application Fee plus an Assessment Fee.
  4. **Permits are issued with an expiry date (generally 12 months).** Requests to renew a permit before the expiry date will not incur a fee. Requests to renew a permit that has expired within the last 3 months will incur a \$168 fee. Permits that have expired more than 3 months previously will need to be reapplied for.
  5. **Other approvals may be required.** A permit issued under the provisions of the *Fisheries Management Act* may not cover all aspects of the proposed works/activity. Other licences, permits or authorisations may be required. It is the applicant's responsibility to check with Crown Lands, Office of Water, Office of Environment and Heritage, Roads and Maritime Services, Local Council etc as to what other approvals may be required.
  6. **Warning.** Provision of inaccurate or misleading information may result in suspension or cancellation of any permit issued on the basis of that information.
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## PERMIT TYPE & APPLICATION FEES

Please tick the permit(s) you are applying for.

<p><b>Dredging and/or reclamation (Part 7)</b>                  Any person, business, company or local government authority proposing to dredge, excavate or remove material (including sand, mud, large woody debris, aquatic vegetation, boulders, gravel etc) from a waterway, or reclaim or place fill within a waterway requires a permit from the Department of Primary Industries (Fisheries NSW) unless the work has been authorised under the <i>Crown Lands Act 1989</i> or by a relevant public authority (not a local government authority).                  Note: If you intend to obtain, or have already obtained, approval for these works from another relevant public authority (not a local government authority) such as the NSW Office of Water, you do not need to obtain a second approval from NSW DPI. However, that public authority is required to consult with NSW DPI before issuing their approval.</p> <p><b>Obstruct fish passage (Part 7)</b>                  Any temporary or permanent structure (such as a weir, causeway, dam, coffer dam etc) that may inhibit, obstruct or block the movement of fish within a waterway either temporarily or permanently.</p>	<p><b>Fee \$168</b></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>
<p><b>Harm marine vegetation (Part 7)</b>                  Any damage to, or destruction of, saltmarsh, mangroves, seagrasses or seaweeds growing on public water land or the foreshore of public water land up to Highest Astronomical Tide level. Includes cutting, poisoning, removing, trimming, pulling up, gathering or shading. Includes both live and dead or detached material (e.g. shoreline wrack).</p>	<p><b>Fee \$168</b></p> <p><input type="checkbox"/></p>
<p><b>Use explosives or electrical devices in a waterway (Part 2)</b></p>	<p><b>Fee \$336</b></p> <p><input type="checkbox"/></p>

## ASSESSMENT TYPE & FEES

<b>Minor assessments</b> – takes up to 3 hours to complete	<b>\$168.00</b>
<b>Moderate assessments</b> – takes between 3 to 7 hours to complete	<b>\$392.00</b>
<b>Major assessments</b> – takes between 7 to 21 hours to complete	<b>\$1,402.00</b>
<b>Complex assessments</b> – takes more than 21 hours to complete	<b>\$3,644.00</b>
The Department may charge an additional fee of \$70/hour (or part of) for work performed by a departmental officer in assessing the application beyond the time of the original assessment.	<b>\$70/hour</b>

### Notes

1. Most permits incur the “Minor Assessment” fee. However, if Departmental Officers need to spend time seeking additional information you may be charged the higher rate. To avoid higher charges, ensure you answer all questions comprehensively and provide all requested plans, maps and photos.
2. The assessment hours include the time taken by the Department to undertake an environmental assessment of the permit, conduct site inspections or consultations with stakeholders where necessary, and process the permit and related correspondence. Assessment hours do not include travel time to site inspections or meetings.
3. There is no Assessment Fee for permits that have been previously assessed by the Department as Integrated Development Applications in accordance with s.91 of the *Environmental Planning & Assessment Act 1979*. The Permit Application Fee(s) is still applicable.
4. Applicants for permits to harm marine vegetation may also be charged for compensation and/or an environmental bond, as outlined in s.3.3.3 of the department’s “*Policy and Guidelines for Fish Habitat Conservation and Management (2013 update)*” which is available from the Fisheries NSW website at: <http://www.dpi.nsw.gov.au/fisheries/habitat/publications/policies,-guidelines-and-manuals/fish-habitat-conservation>

## A APPLICANT DETAILS

A1 Name \_\_\_\_\_

A2 Organisation \_\_\_\_\_

A3 Address (street and postal) \_\_\_\_\_

A4 Responsible person (if different from above) \_\_\_\_\_

A5 Phone/fax/mobile \_\_\_\_\_

A6 Email \_\_\_\_\_

If you have prepared a separate Review of Environmental Factors or similar environmental assessment of your proposed works, then for the remainder of this application you can simply refer to the **specific section and page** of your assessment. In the event of omissions or uncertainties, you should complete this application.

## B SITE IDENTIFICATION

B1 Name of river, creek, lake, waterway: \_\_\_\_\_

B2 Locality name/description: \_\_\_\_\_

**IMPORTANT:** Attach an up-to-date, topographic map or aerial photo image (e.g. Google Earth, NearMap) with the location & extent of proposed works and nearby towns, roads etc clearly marked.

B3 Lot & DP (Work site within or adjacent to): \_\_\_\_\_

**IMPORTANT:** Attach an up-to-date, cadastral plan with the location & extent of proposed works in relation to allotments clearly marked.

B4 Land status (e.g. freehold, Crown reserve): \_\_\_\_\_

B5 Who is the owner (not lessee or trustee) of the land? \_\_\_\_\_

If you are **not** the owner, please attach documentary evidence that the landowner consents to the proposed activity being carried out on their land.

## C DESCRIPTION OF WORKS

Describe the works you wish to undertake. Attach copies of engineering drawings or plans if available. If not available, include a sketch diagram of proposed works including temporary structures (such as coffer dams, in-stream work platforms) that may be needed to undertake the works.

Application assessments will be delayed if plans are not provided. Plans should clearly show the relationship between the works and the waterway including tidal levels if appropriate.

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## D PLANNING CONTROLS

D1 What planning instruments (e.g. SEPPs, REPs, LEPs, DCPs) apply? Do any of these require special consideration for this proposal? \_\_\_\_\_

D2 What is the zoning? (number & name) \_\_\_\_\_

D3 Is the proposal a form of development that is prohibited in that zone?      yes       no   
*If your development is prohibited, your application will not be processed.*

D4 Is development consent required?      yes       no   
*If development consent is required but not already granted, we will not continue to process this application. Submit your proposal as an integrated development application to Council before applying for a permit from NSW DPI.*

D5 Has development consent already been granted by Council?    N/A     yes     no   
*If yes, please provide a full copy of the determination.*

D6 Have you applied for any other permits, licenses etc. which are related to the proposed development (e.g. from Crown Lands or NSW Office of Water)?      yes       no

D7 Have such permits, licences etc been issued?      N/A     yes     no   
*If yes, please provide copies of these permits or applications.  
If NO, please provide details of why they were not issued*

**E DESCRIPTION OF SITE AND ENVIRONS**

*IMPORTANT: Include several colour photographs of the site from various directions (eg from the land looking towards the waterway, from the waterway looking towards the land, looking upstream, looking downstream, close-ups of the substrate etc).*

E1 General site description

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E2 Please describe the aquatic and riparian environment within and adjacent to the proposed works/activities footprint (e.g. width, depth, flow rate, pool/riffle sequence, substrate type, presence/absence of aquatic vegetation, riparian vegetation, slope of adjacent land etc):

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E3 What are the adjoining land uses?

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E4 What are the adjoining vegetation types and what is its condition?

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**F PROJECT DETAILS**

F1 Provide additional details of the works to be undertaken.

*Note: In the questions below, an asterisk\* marks a compulsory field*

**a. Dredging** (any excavation of material from the bed or banks of a waterway)

*Important: Please provide details listed in Appendix 1 Part A.*

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\* Dimensions of area to be dredged: length × width × depth (m) \_\_\_\_\_

\* Volume to be dredged (m<sup>3</sup>) \_\_\_\_\_

**b. Reclamation** (placement of any material into a waterway, either temporarily or permanently)  
*Important: Please provide details listed in Appendix 1 Part B.*

\* Dimensions of area to be reclaimed: length × width × depth (m) \_\_\_\_\_

\* Volume of material to be used as fill (m<sup>3</sup>) \_\_\_\_\_

**c. Fish passage obstruction** (placement of any material into a waterway that could obstruct fish movement)

*Important: Please provide details listed in Appendix 1 Part C.*

**d. Harm marine vegetation** (includes mangroves, seagrasses, seaweeds and saltmarsh growing on public water land or the foreshore of such land up to the Highest Astronomical Tide level)

*Important: Please provide details listed in Appendix 1 Part D.*

**e. Use of explosives**

*Important: Please provide details listed in Appendix 1 Part E. Attach extra sheets if required or provide details in EIS, REF or SEE and include a copy with this application.*

F2 What are the objectives/purpose of the works?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

F3 Expected commencement date: \_\_\_\_\_

F4 Expected completion date: \_\_\_\_\_

F5 Provide a justification of the proposal in terms of environmental, economic and social considerations. Discuss any feasible alternatives, the reasons for your preferred approach, and the consequences of not carrying out the proposed activity.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

F6 Describe (list) the measures you propose to take to protect the environment (including site delineation, erosion and sediment control, rehabilitation and revegetation; maintenance and monitoring) or attach a copy of the Construction Environmental Management Plan (CEMP) that will apply to works. If a CEMP is not currently available, any permit issued will include a condition requiring the preparation and submission of a CEMP two weeks prior to any works taking place.

The CEMP should consist of simple statements and diagrams of how each of the following factors will be managed on site to achieve the stated aim:

- a. Site delineation and marking of 'no go' areas (with the aim of keeping the impacted area to a minimum)
- b. Erosion and sediment control (with the aim of achieving an outcome of 'no visible turbid plumes reaching the waterway', for any rainfall event up to a 1 in 2 year ARI event)
- c. Material storage and stockpiling (with the aim of keeping the impacted area to a minimum)
- d. Site restoration and clean up (with the aim of ensuring that the impacted area recovers as soon as possible)
- e. Site rehabilitation and revegetation (with the aim of ensuring that there are no long-term impacts after works are completed).

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## **G EVALUATION OF RISK OF ENVIRONMENTAL IMPACTS**

Note: The following points (G1 to G15) are paraphrased from Section 228 of the *Environmental Planning and Assessment Regulation 2000*.

**Important: Risk need to be assessed in 4 ways - (1) direct/on-site, (2) indirect/off-site (i.e. downstream), (3) during construction and (4) subsequently during operation.**

In each case where the risk is assessed as being high or moderate, please provide information regarding the environmental consequences.

<b>What is the risk that there will be:</b>		<b>High</b>	<b>Moderate</b>	<b>Low</b>	<b>Nil</b>
G1	an environmental impact on a community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consequences if risk is high-moderate: .....					
.....					
G2	a transformation of a locality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consequences if risk is high-moderate: .....					
.....					
G3	an environmental impact on the ecosystems of a locality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consequences if risk is high-moderate: .....					
.....					
G4	a reduction of the aesthetic, recreational, scientific or other environmental quality of value of a locality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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**What is the risk that there will be:** **High    Moderate    Low    Nil**

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Consequences if risk is high-moderate: .....

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G5    an effect on a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value for present or future generations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Consequences if risk is high-moderate: .....

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G6    an impact on the habitat of protected fauna (including fish)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Consequences if risk is high-moderate: .....

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G7    an endangering of any species of animal or plant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Consequences if risk is high-moderate: .....

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G8    a long-term effect on the environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Consequences if risk is high-moderate: .....

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G9    a degradation of the quality of the environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Consequences if risk is high-moderate: .....

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G10    a risk to the safety of the environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Consequences if risk is high-moderate: .....

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G11    a reduction in the range of beneficial uses of the environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Consequences if risk is high-moderate: .....

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What is the risk that there will be:		High	Moderate	Low	Nil
G12	pollution of the environment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consequences if risk is high-moderate: .....					
.....					
G13	an environmental problem associated with the disposal of waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consequences if risk is high-moderate: .....					
.....					
G14	any increased demands on resources (natural or otherwise) that are, or are likely to become, in short supply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consequences if risk is high-moderate: .....					
.....					
G15	a cumulative environmental effect with other existing or likely future activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consequences if risk is high-moderate: .....					
.....					
G16	any impact on coastal processes and coastal hazards, including those under projected climate change conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consequences if risk is high-moderate: .....					
.....					

## **H EVALUATION OF POTENTIAL IMPACTS UPON THREATENED SPECIES AND THEIR HABITATS**

H1 Are any threatened species, populations or communities of plant, mammal, bird, reptile, amphibian or fish species likely to occupy, depend upon, pass through or use the works site?

**Important:** Each of the following websites should be checked for species, populations or communities that may occupy or utilise the habitats that your project will affect.

- [for fish and marine vegetation](http://www.dpi.nsw.gov.au/fisheries/species-protection/conservation) <sup>1</sup> (NSW DPI)
- [for plants, mammals, birds, reptiles and amphibians](http://www.environment.nsw.gov.au/threatenedspecies) <sup>2</sup> (NSW Office of Environment and Heritage)

<sup>1</sup> <http://www.dpi.nsw.gov.au/fisheries/species-protection/conservation>

<sup>2</sup> <http://www.environment.nsw.gov.au/threatenedspecies>



- [for all species listed at the Federal level](#)<sup>3</sup>(federal Department of Sustainability, Environment, Water, Populations and Communities)

Please list those that could realistically be expected to occur at the site:

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H2 Is the work site within an area of **critical habitat** for a threatened species or population?

yes  no

If yes please list:

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H3 Is the type of work one that could be categorised as a **key threatening process** either wholly or partly?

yes  no

If yes please explain:

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H4 Is the proposal likely to affect these species/populations/communities? yes  no

If no, explain why not:

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If **yes**, you will need to assess the potential **significance of the impacts** by completing a Test of Significance (Appendix 2) for **each** species/population/community. If the Test of Significance indicates that impacts are likely to be significant, you have two choices:

1. Modify the proposal to eliminate or ameliorate the potential impacts. This may include redesigning the proposal, including additional ameliorative measures, including compensatory actions or offsets, rescheduling etc. Modifications to the original proposal require re-application of the '7 part test'. If the modified project still may cause a significant impact, then a Species Impact Statement (SIS) must be prepared for the project.
2. Prepare a Species Impact Statement (SIS) and submit it with the application. Requirements for the SIS must be obtained from NSW DPI or NSW Office of Environment and Heritage, depending upon the species group.

The Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) establishes a system of environmental assessment and approval by the Commonwealth for actions that significantly affect Matters of National Environmental Significance. Further information on the [EPBC Act](#) [<sup>4</sup>] is available from the Commonwealth Government's website.

In January 2007, the Commonwealth and NSW governments signed a Bilateral Agreement which allows the assessment regimes under the *Environmental Planning and Assessment Act 1979* (Parts 3A, 4 and 5 of the EP&A Act) to be automatically accredited under the EPBC Act. This means that separate assessment processes are not required. The [Bilateral Agreement](#) [<sup>5</sup>] only covers matters that are determined to be 'controlled actions' by the Commonwealth Government.

<sup>3</sup> <http://www.environment.gov.au/cgi-tmp/publicistchanges.a4634b8decb765208b3e.html>

<sup>4</sup> <http://www.environment.gov.au/epbc/index.html>

<sup>5</sup> <http://www.planning.nsw.gov.au/SettingtheDirection/GovernmentAgreementsandForums/BilateralAgreementwiththeCommonwealth/tabid/283/Default.aspx>

In accordance with the NSW Assessments Bilateral Agreement, please advise NSW DPI if this proposal is likely to have an impact upon any 'Matter of National Environmental Significance' under the EPBC Act, such as:

- heritage values of World Heritage properties
- listed National Heritage places
- wetlands of international importance (Ramsar wetlands)
- Commonwealth-listed threatened species and ecological communities
- listed migratory species

If you are unsure, please refer to '[Matters of National Environmental Significance](#)' <sup>[6]</sup> for more information. If you believe your project will have an impact upon a Matter of National Environmental Significance, you have an obligation under the EPBC Act to refer the proposal to the Commonwealth Environment Minister for a decision as to whether the action is a 'controlled action' and therefore requires assessment and approval.

H5 Has the proposal been referred to the Commonwealth Environment Minister? yes  no

H6 If yes, what was the Commonwealth Environment Minister's determination?

Not a controlled action: no assessment required

A controlled action: assessment required

## **I CONSULTATION**

What consultation, if any, has occurred with the following agencies and/or stakeholders, and any other relevant groups or agencies? The outcomes or results of any such consultation should be appended to this application?

I1 Local Council

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I2 NSW Office of Water

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I3 Adjoining landholders

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I4 Other (excluding Commonwealth Department responsible for environment and water resources as per section G above, where relevant)

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## **J DECLARATION**

I/we, the applicant/s do hereby declare and affirm that the information provided on this form is accurate to the best of my/our knowledge, belief and information.

Applicant/s signature/s \_\_\_\_\_ Date \_\_\_\_\_

<sup>6</sup> <http://www.environment.gov.au/epbc/publications/nes-guidelines.html>



## APPENDIX 1 ADDITIONAL DETAILS OF PROPOSED WORKS

### Appendix 1 Part A: DREDGING proposals

- a) For how long will the dredging works/activities occur (indicate if ongoing)?  
\_\_\_\_\_
- b) For what months of the year are the dredging works/activities proposed?  
\_\_\_\_\_
- c) What are the dimensions of the area(s) to be dredged?  
\_\_\_\_\_
- d) What is the total volume of material to be dredged?  
\_\_\_\_\_
- e) Where and how will the dredged material be disposed of?  
\_\_\_\_\_
- f) To what depth below the existing bed will material be removed (give range if variable)?  
\_\_\_\_\_
- g) What is the nature of the material to be dredged?  
\_\_\_\_\_
- h) Is the material to be dredged likely to be contaminated by heavy metals or organohalide compounds e.g. organochlorides (give details)?  
\_\_\_\_\_
- i) Does the material to be dredged have acid forming characteristics (give details)?  
\_\_\_\_\_
- j) How is the area of works/activities to be marked (please note that suitable marking of the works area will be a condition of consent)?  
\_\_\_\_\_
- k) What environmental safeguards will be used during and after dredging?<sup>7</sup>  
\_\_\_\_\_

### Appendix 1 Part B: RECLAMATION proposals, including causeways, bridge approaches and retaining walls or seawalls

- a) For how long will the area remain reclaimed (indicate if permanent)?  
\_\_\_\_\_

<sup>7</sup> Note: Environmental safeguards should include applicable provisions of "The Blue Book" Managing Urban Stormwater: Soils and Construction, 4<sup>th</sup> Edition Landcom, 2004.

- b) \_\_\_\_\_  
For what months of the year are the reclamation works/activities proposed?
- c) \_\_\_\_\_  
What are the dimensions of the area to be reclaimed?
- d) \_\_\_\_\_  
What types of materials are to be used in reclamation?
- e) \_\_\_\_\_  
Are the materials to be used in reclamation contaminated by heavy metals or organohalide compounds e.g. organochlorides (give details)?
- f) \_\_\_\_\_  
Do the materials to be used in reclamation have acid forming characteristics (give details)?
- g) \_\_\_\_\_  
How is the area of works/activities to be marked (please note that suitable marking of the works area will be a condition of consent)?
- h) \_\_\_\_\_  
What environmental safeguards will be used during and after reclamation?<sup>8</sup>
- \_\_\_\_\_

<sup>8</sup> Note: Environmental safeguards should include applicable provisions of "The Blue Book" Managing Urban Stormwater: Soils and Construction, 4<sup>th</sup> Edition Landcom, 2004.

## Appendix 1 Part C: Obstruct FISH PASSAGE proposals

### 1. Aquatic environment

- a) How often does the waterbody contain water? (If intermittent, estimate average annual frequency)  
\_\_\_\_\_
- b) Are there permanent waterholes upstream or downstream? Give details:  
\_\_\_\_\_
- c) Are there any natural or human-made obstructions to fish passage nearby (give details)? If so, how often are these obstructions 'drowned out'?  
\_\_\_\_\_
- d) Are fish migrations known to occur in the area? Give details of fish species and the time(s) of migrations:  
\_\_\_\_\_

### 2. Reason for obstructing or blocking fish passage

- (a) Why is it necessary to obstruct or block fish passage?  
\_\_\_\_\_

### 3. Characteristics of obstruction or blockage

- a) For how long do you propose to obstruct or block fish passage:  
3 months or less     3-6 months     7-12 months   
If longer, please specify number of months or years: \_\_\_\_\_
- b) By how much will the proposed obstruction or blockage to fish passage reduce the cross-sectional area of the water course (tick appropriate box):  
5% or less   
5-10%   
10-20%   
20-50%   
or more than 50%
- c) If the proposed obstruction or blockage to fish passage contains openable 'gates' or other structures (e.g. a regulator), how often and when will it be open and enable fish passage? Give details:  
\_\_\_\_\_

- d) What 'headloss' or 'afflux' is expected across the obstruction or blockage to fish passage under the following flow conditions:

Flow	Headloss/afflux (mm)	Water velocity (cm/s)
Average flow		
1:2 year flood		
1:5 year flood		
1:10 year flood		
1:20 year flood		

**4. Restoring fish passage**

- a) Describe measures proposed for maintaining fish passage during the proposed works/activities (e.g. fishways, bypass channels, trapping and manual relocation):  
\_\_\_\_\_
- b) If works will be removed after a time, how will fish passage be restored?  
\_\_\_\_\_
- c) Will restoration of fish passage restore similar conditions to the waterbody as existed before the blocking of fish passage: yes  or no ?
- d) If not, please clearly describe any changes:  
\_\_\_\_\_

**5. Environmental compensation**

- a) Describe environmental compensation measures for unavoidable and permanent blockage of fish passage (e.g. other improvement projects for the aquatic environment):  
\_\_\_\_\_

## Appendix 1 Part D: Harm MARINE VEGETATION proposals

### 1. Type of marine vegetation to be harmed

Please tick relevant box(es) and insert species names:

- a) Saltmarsh  species (e.g. *Sporobolus virginicus*, *Juncus kraussii*,  
*Sarcocornis quinqueflora*)
- b) Mangroves  species (e.g. *Avicennia marina*, *Aegiceras corniculatum*)
- c) Seagrasses  species (e.g. *Zostera*, *Posidonia*, *Ruppia*, *Halophila*)
- d) Marine macroalgae  species/groups (e.g. kelp, coralline algae, *Ecklonia*)
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### 2. Amount of marine vegetation to be harmed

- a) Area of saltmarsh
- 

- b) Area of mangroves and/or number of trees
- 

- c) Area of seagrass
- 

- d) Area of macroalgae and/or number of plants
-



## Appendix 1 Part E: Use of EXPLOSIVES OR ELECTRICAL DEVICES proposals

### Electrical device

- a) Why is the electrical device being used? \_\_\_\_\_
- b) What type of electrical device will be used? \_\_\_\_\_
- c) How large is the area to be affected by the electrical device? \_\_\_\_\_

### Explosives

- a) Why are explosives being used? \_\_\_\_\_
- b) What type of explosives will be used? \_\_\_\_\_
- c) How large is the area of waterway to be affected by the explosion? \_\_\_\_\_
- d) What precautions will be employed to minimise the area affected e.g. bubble curtains, multiple small charges etc. \_\_\_\_\_

## APPENDIX 2 TEST OF SIGNIFICANCE (7 PART TEST)

Factor	Yes	No
<p>1 In the case of a threatened species, whether the action proposed is likely to have an adverse effect on the life cycle of the species such that a viable local population of the species is likely to be placed at risk of extinction:</p> <p><i>Comment:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>2 In the case of an endangered population, whether the action proposed is likely to have an adverse effect on the life cycle of the species that constitutes the endangered population such that a viable local population of the species is likely to be placed at risk of extinction:</p> <p><i>Comment:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>3 In the case of an endangered ecological community or critically endangered ecological community, whether the action proposed:</p> <p>i) is likely to have an adverse effect on the extent of the ecological community such that its local occurrence is likely to be placed at risk of extinction, or</p> <p>ii) is likely to substantially and adversely modify the composition of the ecological community such that its occurrence is likely to be placed at risk of extinction:</p> <p><i>Comment:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>4 In relation to the habitat of a threatened species, population or ecological community:</p> <p>i) the extent to which habitat is likely to be removed or modified as a result of the action proposed, and</p> <p>ii) whether an area of habitat is likely to become fragmented or isolated from other areas of habitat as a result of the proposed action, and iii) the importance of the habitat to be removed, modified, fragmented or isolated to the long-term survival of the species, population or ecological community in the locality:</p> <p><i>Comment:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>5 Whether the action proposed is likely to have an adverse effect on critical habitat (either directly or indirectly):</p> <p><i>Comment:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>6 Whether the action proposed is consistent with the objectives or actions of a recovery plan or threat abatement plan:</p> <p><i>Comment:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>7 Whether the action proposed constitutes or is of a <b>Key Threatening Process</b> or is likely to result in the operation of, or increase the impact of, a <b>Key Threatening Process</b>:</p> <p><i>Comment:</i></p>	<input type="checkbox"/>	<input type="checkbox"/>