Coastal Adaptation and Protection Grants

Completing and lodging your application

- It is recommended that you commence your application as soon as possible.

- For an application to be successful it must meet the Guidelines. Please ensure you are familiar with and understand how these Guidelines apply to your application before completing this form.

- Download the application form, save it to your computer and complete it electronically.

- Your responses to the questions are not space limited – provide as much relevant information as you feel is necessary to answer the question. Please feel free to use bullet points to answer the questions.

- When completing the application please assume the person assessing your application has no prior knowledge of the project. Members of the assessment panel may not be familiar with your situation.

- For an application to be assessed, all questions and sub-questions must be answered where relevant, and attachments provided when requested.

- Please exclude GST from all amounts in the application.

- Email your completed application form and attachments to coastalmanagement@transport.wa.gov.au. If this is not possible, please send an electronic copy of your application to GPO C102, Perth, WA 6839 before 5PM, 6 April 2020.

- Please note: the size limit of emails to be received by DoT is 10MB. If your application exceeds this size, you will need to send it over a few emails. Ensure that each email is sequentially marked and states the total number to be sent, for example: Email 1 of 3.

- You are encouraged to obtain confirmation that your application has been received in its entirety.

Applications close 5pm Monday 06 April 2020
Application for Coastal Adaptation and Protection Grant

*Please note this is an example of how this application form can be completed.

Organisation: Shire of Blissful Bay
Project Name: Blissful Bay erosion

<table>
<thead>
<tr>
<th>Contact Person (Will be contacted for further information)</th>
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<tbody>
<tr>
<td>Name</td>
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<tr>
<td>Job Title</td>
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<td>Email</td>
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<td>Postal Address</td>
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</table>
1.0 PROJECT INTRODUCTION

1.1 BACKGROUND:

What is the current coastal hazard(s) that you have? (Provide a brief overview of the history of the area, including if the hazard(s) has been experienced before and how long it has been occurring.)

A ~2km section of our coast has had an erosion problem on and off for the last 10 years. The beach is backed by dunes but the dune face is an erosion scarp with very little vegetation. The erosion buffer between the dunes and infrastructure (reserve, paths, car parks, roads, houses) is between 5 and 20m and slowly decreasing.

Since the erosion commenced we have carried out some beach nourishment at the worst spots after winter storms.

We have collected wave data and quarterly beach surveys for the area over the last 18 months. We would like to undertake a study that incorporates this new data to understand the cause of the erosion and develop new adaptation options to the hazard.

Have other coastal adaptation and protection grants been received in this location before? ☒ Yes ☐ No

If yes, please list details of previous grants.

2016 - $30 000 received, total project cost was $60 000. This grant was used to undertake a coastal investigation study that recommended sand nourishment and monitoring.

2018 - $15 000 received, total project cost was $30 000. This grant was used to undertake sand nourishment.

2019 - $45 000 received, total project cost was $90 000 for monitoring program - wave data and beach profiling.

What data currently exists for the project area? (Consider wave and water level data, hydrographic surveys, beach surveys, aerial photographs, photogrammetry, shoreline movement plots, sediment samples.)

- Hydrographic surveys - Three of them since 2007
- Beach surveys - quarterly for last 18 months
- Aerial photos and shoreline movement plots - ad hoc collection since 1945
- Wave data - 18 months of AWAC data

Please list any relevant monitoring, coastal studies and works previously undertaken in the area.

Erosion investigation report in 2016 - see attached.

Shire of Blissful Bay CHRMAP in 2018 - see attached.

Wave data and beach profiles are ongoing - see attached email summarising what formats the data are in.
1.2 PROJECT LOCATION:

Please provide information on the geographic extent of your project. Does the project fall across more than one local government area (LGA)? (Please include/attach maps, aerial images, photos or plans that identify the project site.)


The project is to be undertaken for the area outlined on the attached aerial image. We are outside the area of the sediment cell boundaries. Also attached are some images of the erosion at the project site.

1.3 PROJECT TYPE: (you can tick multiple boxes)

- [ ] Monitoring
- [x] Investigation
- [ ] Asset Management
- [ ] Adaptation
- [ ] Maintenance

1.4 AIM: What is the aim of the project?

To engage a consultant to analyse recently collected data to understand the coastal processes that are causing the existing erosion. Understanding the coastal processes has been identified in the 2018 CHRMAP as the most important step to being able to develop suitable adaptation options to enable us to adapt to the erosion problem.

1.5 OUTCOMES: What will the project achieve?

An understanding of coastal processes that is causing erosion and identification of several adaptation options in line with the CHRMAP that will address the erosion problem. This work will be presented as a report.

1.6 LAND VESTING:

Is your organisation authorised to undertake the proposed project? (Please provide evidence that your organisation is authorised to manage the coastal lands.)

The project is proposed within Reserve xxxx managed by the Shire of Blissful Bay – see attached vesting order. Also attached is a letter of "in-principle" support from DBCA’s Marine Branch who manages the adjacent coastal waters.
1.7 APPROVALS:

Are licences or approvals required as part of this project? If so, please list the required approvals and attach evidence if already obtained. (These may include statutory, heritage or environmental approvals.)

The project area is contained adjacent to a Marine Park. We may need to seek approval/comment from the Marine Park Reserves Authority once we have a specific proposal.

Are there any outstanding legal, social, environmental or cultural/heritage issues preventing the proposed project from proceeding?

☐ Yes ☒ No

If yes, please provide details and anticipated timeframe to resolve them.

2.0 PROJECT JUSTIFICATION

This section aims to address selection criteria 1 and 2.

Criteria 1: Public coastal values and assets will be preserved or enhanced by the project.

2.1 What public coastal values and assets will be preserved or enhanced by the project? (Consider the social, environmental and economic benefits of the project and detail how they outweigh the project cost in your response. What benefits will there be to the public? What assets, whether natural or constructed are being protected?)

The 2018 CHRMAP identified the following values and assets.

VALUES:
1. Provision of access - to beach and foreshore reserve through car parks, dual use paths, access tracks to beach
2. Recreation - through beach amenity - white sandy beach. This is a popular beach for swimming, walking, dog-exercise, and to a lesser extent kite surfing, surfing, snorkelling and diving.

ASSETS:
1. Car parks
2. Dual use path
3. Mature vegetation and foreshore reserve
4. Road (which is the main access for local residents along this stretch of coast).
By carefully planning our approach to this section of coast we hope to enhance the provision of these values and assets sustainably over the long-term.

Criteria 2: There is a demonstrated need(s) for the project.

2.2 What is the current impact of the hazard?

- The beach and dune face is eroding. The dune is unstable and the erosion buffer provided by the dunes is decreasing.
- The beach is very narrow and we are losing the beach amenity of what was a popular swimming beach.
- There is the risk of losing all the foreshore reserve and then the car park, dual use path and road in the next few years if the reserve continues to erode away as it has done in previous years.
- Reduction in erosion buffer generally – soon, if we get a serious winter storm the car park may be threatened.
- The 2018 CHRMAP implementation plan identified a coastal processes investigation and subsequent development of adaptation options as a priority immediate action.

2.3 What is the likelihood and timeframe of future impacts of the hazard(s)?

- The 2018 CHRMAP identified this site as having very high vulnerability to erosion hazards in the short term.
- Very likely to lose reserve in several spots in next two years.
- Very likely for the car park to be threatened from severe winter storm in the next two years.
- Likely to have the car park impacted (eroded) in next three years.
- Likely the erosion will encroach onto the road in the next 5 years if unchecked and erosion rate continues as it has done for last ~5 years.
- Possibly the extent of the erosion will increase along the beach – the erosion scarp showed signs of getting longer last winter.

2.4 What will be the consequences of future impacts of the hazard(s)?
- Loss of beach amenity.
- Impact on/loss of car park means reduced/no beach access.
- Damage/loss of sections of road is possible.
- Concerned/angry local residents/community.
- Inundation during severe storms if we can’t maintain an erosion buffer.

3.0 PROJECT SCOPE

This section aims to address selection criteria 3.

Criteria 3: The project is suitable to effectively manage the coastal hazard(s).

3.1 METHOD: How will you conduct your project? (Ensure your method demonstrates consideration of coastal hazard risk management and adaptation planning. Please attach any relevant concept plans, design drawings, sketches, and associated documentation.)

The following steps are anticipated:

1. Collate all available information and data.
2. Develop a consultant’s brief and tender documentation to engage a consultant to undertake the study.
3. Advertise for, receive and review tenders/quotes from consultants in coordination with DoT and then award consultancy.
4. Liaise with consultant and DoT during project.
5. Review and comment on draft work from consultants with DoT.

Acquit grant.

3.2 TIMEFRAMES:

Use Table 3.2 to outline key milestones and estimated start and end dates. (Show the proposed timeframe is realistic with regards to completing consultant’s briefs, obtaining approvals, assessing tenders or preconstruction works.)

Table 3.2 has been completed as an example; please change Table 3.2 to suit your needs.

Table 3.2

<table>
<thead>
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<th>Project Activity</th>
<th>Jul 2020</th>
<th>Aug</th>
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<th>Nov</th>
<th>Dec</th>
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<td>Advertise, review and engage consultant</td>
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Criteria 4: The project improves the understanding of coastal processes.

3.3 How does the project improve the understanding of coastal processes?

Analysis of wave and sediment data and review of historical data will enable us to obtain a more comprehensive understanding of what may be causing the erosion at the beach. Preliminary causes previously identified include sea level rise, several stormy winters, and several years of high water levels due to long term high tide cycles and several La Nina years in a row. The cause may be a combination of all or some of these, but without comprehensive datasets we have no way of telling.

4.0 FINANCIAL ARRANGEMENTS

4.1 How much are you applying for? (Grant minimum is $10 000 and grant maximum is $300 000 ex GST)

$50 000

4.2 What will be your organisation’s financial contribution to the project? (There is a minimum 50 per cent for all project types)

$50 000

4.3 Does your project include any in-kind value? (If yes, please attach details)

It is anticipated that in-kind contributions may apply for adaptation and maintenance projects. In-kind contributions include items such as machinery, equipment, labour or materials. It does not include items like administration costs or project management costs.

☐ Yes ☒ No

4.4 Please provide details of any proposed or current proposal to access funds from other funding programs for this project or components of this project.

We are also seeking Federal funding for this project to make up our $50,000 share – see application attached. If we do not receive this funding, we confirm that we will pay the share from our own budget.

4.5 Please provide a breakdown of how money is to be spent (ex GST, please use the table below if useful). Attach any cost estimates and quotes obtained.

Table 4.5

<table>
<thead>
<tr>
<th>Contribution (cash and in-kind, exclude GST)</th>
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<tbody>
<tr>
<td>Expenditure Item</td>
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<tr>
<td>------------------</td>
</tr>
<tr>
<td>Consultant</td>
</tr>
<tr>
<td>Total for each column (excluding GST)</td>
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</tbody>
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*End of application*
Application checklist

HAVE YOU:
- Read the information brochure including the guidelines before completing this form?
- Made sure your proposed project meets the approach to manage the risk of coastal hazards?
- Proposed to avoid and adapt to coastal hazards before considering coastal protection works?
- Completed this application form correctly:
  - Answered every question and sub-question in the application form?
  - Completed the application cover page?
  - Provided attachments where relevant?
  - Completed Tables 3.2 and 4.5?
- Discussed this application and its budget implications with your CEO/senior officer?
- Ensured funding is available to meet your organisation's required contribution to the project?

ATTACHMENTS:
- Resulting documents from previous investigations/studies
- Evidence of land management authority to undertake works for construction projects
- Concept plans and design drawings
- Quotes and cost estimates if required
- Evidence of approvals obtained
- Details of in-kind contributions
- Details of other sources of funding
- Other (specify) Aerial Photo of the site, erosion photos, land vesting, letter of support from DBCA

Email to coastalmanagement@transport.wa.gov.au before 5pm Monday 06 April 2020