

① lodge then process application 10-2

② notification period eg mail out, newspaper submissions close 20-

③ decision by G.W. provided no sign. subs against. 10

Department of Conservation Visitor Asset Management

Assessment of Environmental Effects for Castlepoint Walkway in the Castlepoint Scenic Reserve: U26007

July, 2008

DME ref:



Department of Conservation
Te Papa Atawhai

320952

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The Environmental Assessment Process

The purpose of an assessment of environmental effects (AEE) is to identify the effects of a project on natural, historic, and cultural values that are to be considered in the decision making process and whether or not those effects are more than minor. The AEE should also address the mechanisms used to avoid, remedy or mitigate those effects that are more than minor. The Department in accordance with the requirements of Section 88 and the Fourth Schedule of the Resource Management Act 1991 is required to undertake an AEE when:

- building a hut at a new site or building a hut where one was previously located, but where the footprint requires extending
- constructing a new track or when re-routing an existing track
- establishing a new amenity area or when extending an existing amenity area
- undertaking works likely to involve the disturbance of areas not modified in recent history.

It is strongly recommended that Area's contact Conservancy TSO's for advice for particular topic areas to ensure sufficient detail is provided. It will be the responsibility of each TSO to confirm the accuracy of their particular topic area before submission of the AEE to the relevant authority.

Area	Name	Email
Animal Pests		
Cultural / Iwi liaison	Anaru Luke	aluke@doc.govt.nz
Fauna	Lnn Adams	ladams@doc.govt.nz
Freshwater	Nadine Bott	nbott@doc.govt.nz
Marine	Helen Kettles	hkettles@doc.govt.nz
Historic	Richard Nester	rnester@doc.govt.nz
RMA Planner	Kris Ericksen	kericksen@doc.govt.nz
Plant ecology	John Sawyer	jsawyer@doc.govt.nz
Concessions	Tania Wrightson	twrightson@doc.govt.nz
Recreation	Claudia Hill	chill@doc.govt.nz

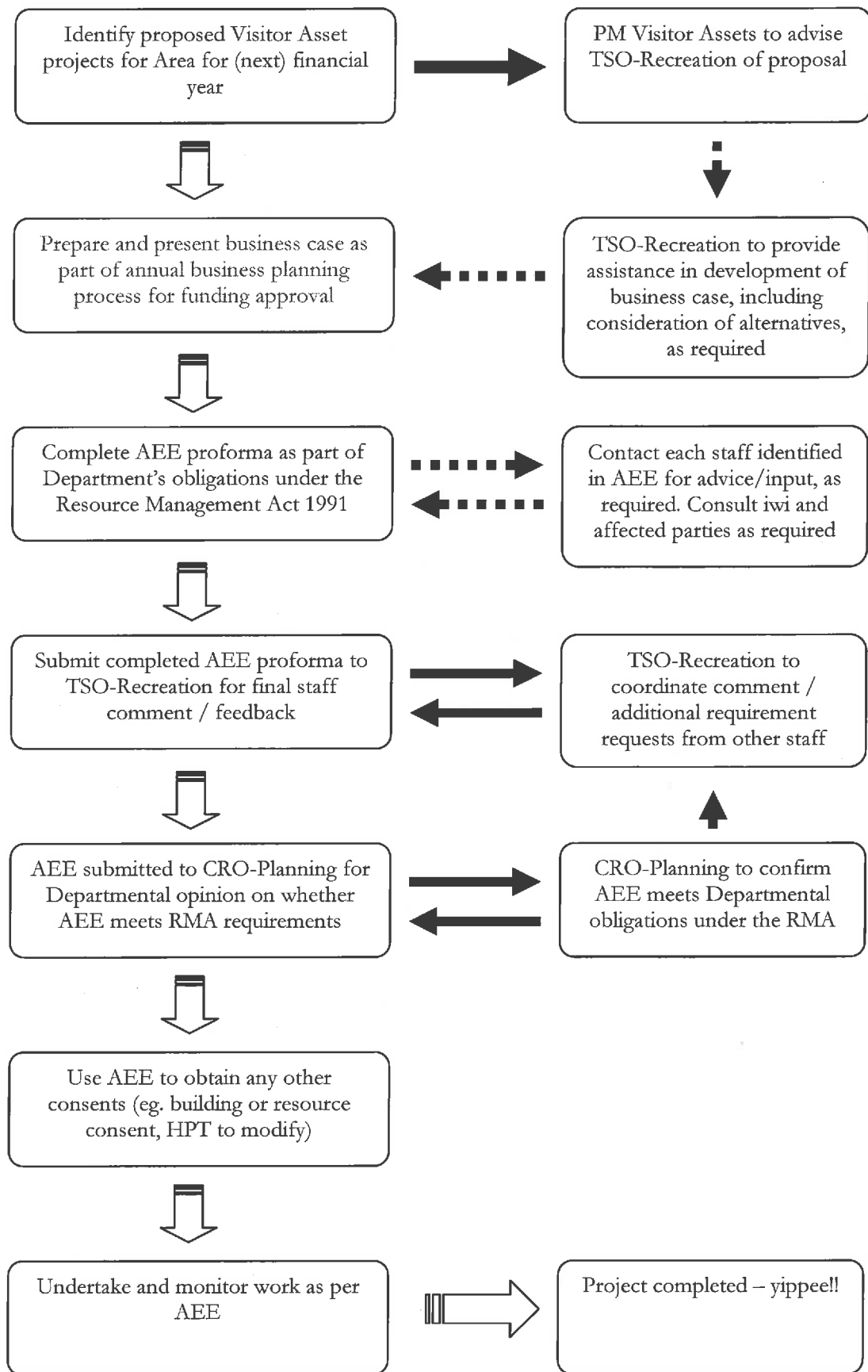
Measuring success

The size and comprehensiveness of an AEE is proportional to the potential effects of the proposed activity. It needs to be sufficient to enable the consent authority to evaluate the potential effects and interested and affected parties to identify how they will be affected. The measure of success in managing visitor facilities is to avoid unnecessary impacts on the natural environment and the recreational experience of others. This AEE template is to be used to:

- report on the site that is intended for a new facility, or that will be affected by the redevelopment of an existing facility
- inform TSO's of the proposed work(s) and the preliminary considerations made in respect to effects on biodiversity, landscape and historic values and on recreational opportunity.
- prepare a more comprehensive AEE (in full or part) if a TSO or CRO – Planning deems necessary. This may be achieved by adding additional pages to any section as an Appendix

Note: The Department has exemption under s4 of the RMA from any District Council land use consent requirements where the proposal is consistent with the CMS. However, Regional Councils may have other consents requiring an AEE. Do it well, and this AEE form may also fulfil Regional Council consent requirements as well!

Process for completing and submitting AEE for approval



Castlepoint Walkway

This document assesses the actual and potential environmental effects of the construction of a new section of footpath at Castlepoint Scenic Reserve, Castlepoint. This project is proposed by Wairarapa Area Office.

Section 1: Site Description

[Briefly describe the proposed activity location, including:]

Site Name: Castlepoint Scenic Reserve VAMS Asset N^o

Site Location: Castlepoint Scenic Reserve, Castlepoint, Masterton

Map Sheet: WAIRARAPA 2000 GPS / Grid Ref: E 349046
COORDINATES N 702250

Recorded by: Pip Mclane - Dw Area Office: - Date: 13/06/2008

Climatic conditions :

(Briefly record climatic conditions that may affect work to be undertaken, eg. annual rainfall, snow, wind, etc.)

Annual rainfall = 970 mm Niwa Castlepoint Weather Station Ref: 9874 (1994 - 2008).

Average Temperature = The Castlepoint Weather Station Ref: 9874 (1994 - 2008) provides the annual day/night monthly average as being between 9° and 18°.

Castlepoint is subject to extreme wind conditions, with winds above 100 km not uncommon.

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General Site Information; Site Photo; Sketch Map; Extra Comment , etc.:

(Any catchments and water bodies including streams, rivers, lakes and wetlands; and type and extent of vegetation type including reasons for selecting this particular site, location or alignment, rather than other sites considered. Additional information/space available at Appendix 1)

Castlepoint is located approximately 65 km from Masterton on the east coast of the North Island. Castlepoint is an area containing sand dunes, a reef, a lagoon and the 162 metre high Castle Rock. Castlepoint Lighthouse is located on Castlepoint and is accessed from Jetty Road across the sand. Until January 2008 there was a wooden causeway providing pedestrian access across the sand to connect to the existing footpath providing access to the lighthouse at mid to low tide.

A site plan is attached as Figure 1 in Appendix 1.

Fishing boats and vehicles park on the sand above mean high water springs.

Castlepoint Reserve is known to provide homes to the following native species:

White-fronted Terns : *Sterna stiata*
Red-billed Gulls : *larus novaehollandiae*
Reef Heron : *Egretta sacra*

Common skink : *leiopisma nigriplantare*
Common gecko : *Hoplodactylus maculatus*
Common green gecko : *Naultinus elegans punctatus*

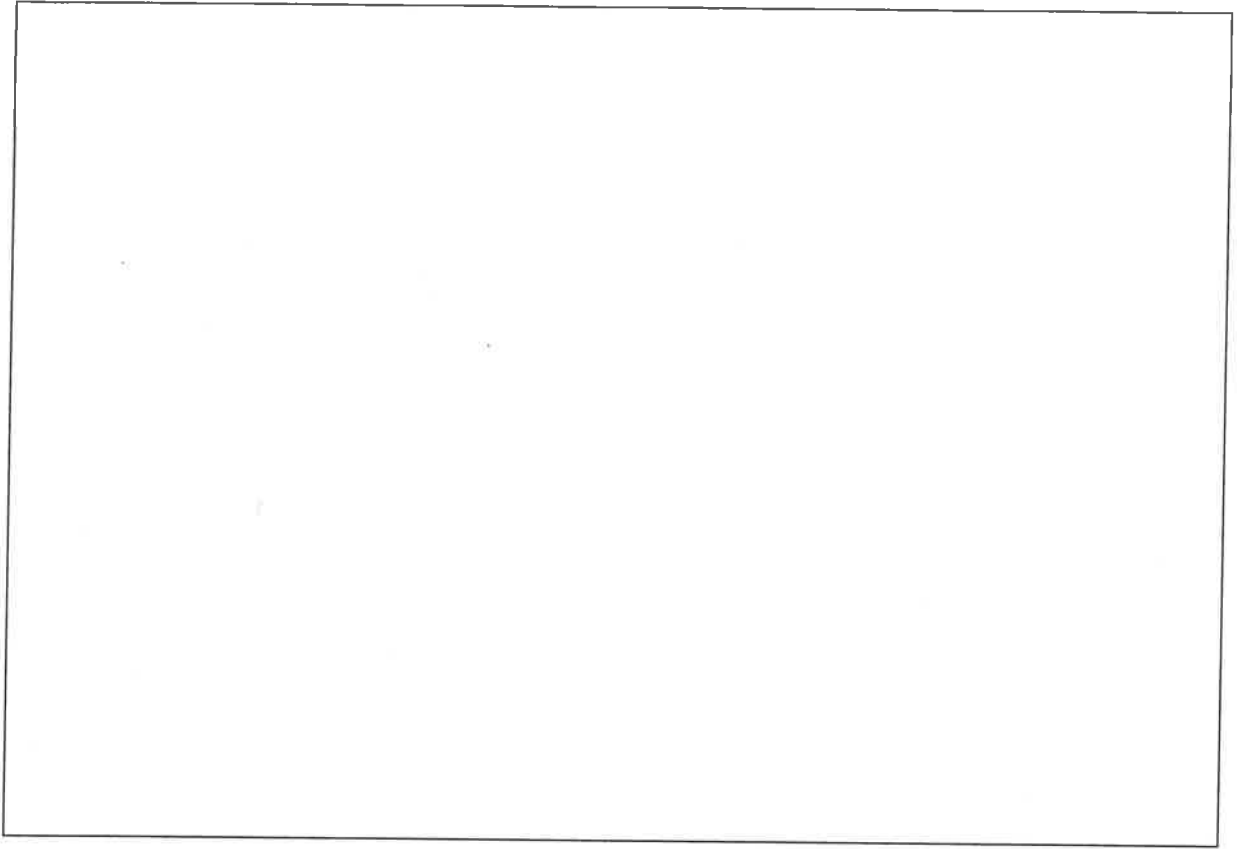
Katipo Spider : *Latrodectus katipo*
Notoreas moth : Castlepoint endemic species

Castlepoint Daisy : *Brachyglottis compacta*
Pingao : *Desmoschoenus spiralis*
Spinifex : *Spinifex sericeus*
Sand Daphne : *Pimela arenaria*
Sand Coprosma : *Coprosma acerosa*
Pimela : *Pimela prostrate*

The area of particular relevance to this proposal is western side of Castlepoint reef fronting the sand dunes and Castlepoint Village. The vegetation in the immediate area is introduced marram grass and sporadic sand daphnes, sand coprosma and Castlepoint daisy. The proposed alignment of the foot path requires the removal of only one sand daphne. Different alignments of the path would require the removal of additional native plants.

Photographs of Castlepoint and surrounds including flora immediately adjacent to the footpath are attached as Appendix 4.

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Section 2 Project Objectives

Objective of the work

[Identify the Work to be undertaken. Provide brief comment as necessary]

<input type="checkbox"/> - Preliminary site investigation/works <input checked="" type="checkbox"/> - Construct new asset <input type="checkbox"/> - Extension/modification to existing asset <input type="checkbox"/> - Remove existing asset and not replace <input type="checkbox"/> - Other:	<p>Comment:</p> <p>The old wooden causeway was removed at the beginning of the year. This proposal seeks to under take minor earthworks to extend the existing footpath along the rocks to enable access to the lighthouse path.</p>
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Measuring the completed work against the specifications

[Identify how the standard of the work will be measured. Provide brief comment as necessary]

<input type="checkbox"/> - CMS <input type="checkbox"/> - Hut / Track SOP <input type="checkbox"/> - Visitor Risk SOP <input checked="" type="checkbox"/> - Resource Consent criteria <input type="checkbox"/> - Building Consent criteria <input type="checkbox"/> - Other:	<p>Comment:</p> <p>Resource Consent is required by Greater Wellington Regional Council for:</p> <ol style="list-style-type: none"> Occupation of the coastal marine area (CMA) Erection of a structure in the CMA Disturbance of the CMA Deposition of material in the CMA.
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Preferred timing of the work

[Identify when the work is proposed. Where relevant, note reasons for this timing, and options available]

<p>Preferred timing:</p> <p><i>One-Off</i> Begin Date 1/8/2008 End Date 25/10/2008</p> <p><i>Ongoing</i> Begin Date 0/0/0 End Date 0/0/0</p>	<p>Comment:</p> <p>The timing has been proposed to avoid the Winter months when rainfall is higher and to have works completed prior to the peak visitor numbers over the Holiday weekend and Summer months.</p> <p>The timing of the works also avoids the peak bird nesting period.</p>
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If ongoing, frequency of work during this consent (tick as appropriate):

- Three-monthly
 Six-monthly
 18 months
 Three yearly
 Four-monthly
 Annually
 Biennially
 Other:

Section 3: Description of Work

Description of proposed work

[Identify extent of work to be undertaken. Provide brief comment as necessary]

<ul style="list-style-type: none"> <input type="checkbox"/> - Clearing and grubbing of vegetation <input checked="" type="checkbox"/> - Minor earthworks (ie. < 50m²/ 0.5m depth/ 10m³ or 28° slope) <input type="checkbox"/> - Major earthworks (ie. > 50m²/ 0.5m depth/ 10m³ or 28° slope) <input checked="" type="checkbox"/> - Construction of new track/structure/hut <input type="checkbox"/> - Demolition and removal of structure/hut 	<p>Comment:</p> <p>Design drawings are attached as Appendix 5.</p> <p>The construction of the footpath will require minor excavations on the upslope side of the track to lower the shell/rock level. Where required a maximum 250 mm retaining wall will be constructed (of concrete) on the downslope of the track. Crushed shell/rock or other approved material will be imported to fill and form the footpath.</p>
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Reasons for undertaking work tasks at the chosen site

[Identify the reason(s) for undertaking work at the chosen site. Provide brief discussion on why alternative options where not considered appropriate]

<ul style="list-style-type: none"> <input type="checkbox"/> - CMS requirement <input type="checkbox"/> - ROR outcome <input type="checkbox"/> - National/Conservancy CAPEX project <input checked="" type="checkbox"/> - Historic restoration/upgrade work <input type="checkbox"/> - VAMS scheduled task <input checked="" type="checkbox"/> - To address potential visitor safety issue <input type="checkbox"/> - Other: 	<p>Comment:</p> <p>The wooden causeway was removed because of visitor safety concerns. The proposed footpath is considered the most appropriate means to enable the safe and long-term access of visitors to the Castlepoint Lighthouse track.</p>
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History of previous work

[Briefly describe all previous work related to the proposed project undertaken at this location]

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Previous work completed:

The 145 m wooden causeway that crossed the sand dune from the termination of Jetty Road and the causeway was removed ensuring that all timber piles and bearing elements were removed from the sand.

Maintenance works as required have been undertaken to the existing footpath providing access to the lighthouse and erection of signs requesting caution be taken in extreme wind conditions.

Section 4: Effects on Visitor Opportunities and Landscape

Importance of the area for recreation use and appreciation

[Identify general visitor use of the area where the work will occur as recorded on VAMS]

<input type="checkbox"/> - Short stop travellers <input checked="" type="checkbox"/> - Day visitors <input type="checkbox"/> - Backcountry comfort seekers <input type="checkbox"/> - Backcountry adventurers <input type="checkbox"/> - Remoteness seekers	<p>Comment:</p> <p>Given Castlepoints proximity to the predominantly holiday settlement of Castlepoint Village, Masterton and the wider Wairarapa attractions predominant visitors are day visitors.</p>
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Consultation with public on work proposal

[Identify groups to be consulted, the level of consultation required and method(s) used. Record contact person, organisation and contact details and brief outcome of consultation at Appendix 2]

Groups to be consulted

<input type="checkbox"/> - N/A <input checked="" type="checkbox"/> - Iwi/Tangata Whenua <input checked="" type="checkbox"/> - Recreation groups/concessionaires <input checked="" type="checkbox"/> - Community groups <input checked="" type="checkbox"/> - Adjoining landowners <input type="checkbox"/> - Other govt and NGOs	<p>Comment:</p> <p>Castlepoint has a long history of maori and european occupation.</p> <p>Rangitane and Ngati Kahungunu are the two iwi group recognised as being regionally significant.</p> <p>The area has been used throughout history and currently as food resource and recreational area.</p>
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Level of consultation required:

<input type="checkbox"/> - N/A <input checked="" type="checkbox"/> - Preliminary briefing <input type="checkbox"/> - Regular updates/meetings <input type="checkbox"/> - Community consultative committee <input checked="" type="checkbox"/> - Other: Public notification of resource consent app	<p>Comment:</p> <p>Castlepoint holds many values to different people but particularly to the local community and regular recreational users. It is considered that to individually identify all parties that are potentially affected would be near impossible. A public meeting advising of the project followed by public notification of the resource consent applications is considered the most appropriate means.</p>
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Consultation method(s) to be employed (tick as appropriate):

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Visitor Information Notice | <input type="checkbox"/> Committee / Stakeholder meeting | <input type="checkbox"/> Include representative on project team |
| <input checked="" type="checkbox"/> Notice in local newspaper | <input checked="" type="checkbox"/> Public meeting / forum | <input type="checkbox"/> Other: |

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Effect of work on visitor activity

[Identify likely disruption to visitor activity as a result of undertaking the proposed work].

<input type="checkbox"/> - N/A <input checked="" type="checkbox"/> - Use of site signage/VINs to alert visitors <input type="checkbox"/> - Temporary diversion to be constructed <input type="checkbox"/> - Site to be closed for wks/mths <input type="checkbox"/> - Other:	<p>Comment:</p> <p>Temporary site signage will be erected to notify of works and when they are to occur and advising caution around working machinery. It is not envisaged that access to the lighthouse track will be closed while works are occurring.</p> <p>In the current situation the lighthouse track is not accessible 100% of the time due to high tide.</p>
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Effect of work on landscape character

[Identify consequences of the work on landscape character. Consider the visual effects of vegetation clearance, buildings on skylines or general visibility, track-lines on hills.]

<input type="checkbox"/> - Modifications are temporary, minor and very dispersed. <input checked="" type="checkbox"/> - Modifications are semi-permanent, minor and restricted to a few dispersed nodes. <input type="checkbox"/> - Modifications are permanent, moderately sized, and restricted to specific nodes. Natural elements outside these nodes dominate. <input type="checkbox"/> - Modifications are permanent, fairly large and obvious. Natural elements dispersed. <input type="checkbox"/> - Modifications to the natural landscape dominate landscape character	<p>Comment:</p> <p>While the extension to the path is a permanent feature, the construction activity is short term.</p> <p>The actual footpath will have lesser effect on the landscape character being nestled into the foot of the rock than the previous wooden causeway over the sand.</p> <p>The concrete used to construct the low retaining bunds will use limestone base mix or concrete colouring to ensure a consistent appearance with the natural bedrock. The track surface will be locally sourced material.</p>
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Performance standards

[Identify Departmental standards to be used to avoid, mitigate, or remedy adverse effects on visitors].

<input type="checkbox"/> - Contracts.SOP to be used <input type="checkbox"/> - Hut Management and Removal Policy <input type="checkbox"/> - Hut Procurement Manual for building new backcountry huts <input checked="" type="checkbox"/> - Tracks and Outdoor Visitor Structures Handbook <input type="checkbox"/> - Landscape Architect advice/involvement <input type="checkbox"/> - Other:	<p>Comment:</p> <p>The track extension has been designed in accordance with the Tracks and Outdoor Visitor Structures Handbook.</p> <p>****detail particular performance standards from this document****</p>
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Section 5: Effects on Archaeological and Historic Sites

Importance of the area as a historic site

[Identify significance of the work site for historical values. For the purpose of assessing archaeological / historic values a site includes all area within a 200m radius of the proposed work].

<input type="checkbox"/> - Area not an archaeological/ historic site <input checked="" type="checkbox"/> - Site includes archaeological values <input checked="" type="checkbox"/> - Site includes historic structural values <input checked="" type="checkbox"/> - Site has local/regional/national significance <input checked="" type="checkbox"/> - Tangata Whenua to be consulted	<p>Comment:</p> <p>Rangitane and Ngati Kahungunu have a long association with the site. From a european settler point of view Captain Cook named Castlepoint in 1770 and the lighthouse was constructed in 1912.</p> <p>The proposed footpath extension will not have any significant impact on any identified archaeological or historical site. The extension to the pathway will enable persons to access the site.</p> <p>NZAA site number U26/1 is located in the immediate proximity to the site works. This is described as a midden prone to erosion. It is not known how much of the site still exists but since it is recorded it should be assumed the site remains intact. Further investigation is warranted.</p>
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Effect of work on archaeological and historic sites

[Identify the effect that the work will have on known archaeological or historic sites].

[Note: Minor = 0 – 25%; Major = 26 – 75%; Total = 76 – 100%]

<input type="checkbox"/> - N/A <input type="checkbox"/> - No affect <input checked="" type="checkbox"/> - Minor disturbance/modification to site <input type="checkbox"/> - Major disturbance/modification to site <input type="checkbox"/> - Total disturbance/modification to site	<p>Comment:</p> <p>There is no known specific archaeological, historical or cultural site/values within the immediate location of the proposed footpath. The activity will result in a minor modification to the area as a whole, but the modification has been designed to be in keeping with the surrounding environment.</p> <p>See above comment re location of known Archaeological sites</p>
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Performance standards

[Identify the actions that will be implemented to avoid, remedy or mitigate adverse effects of the project on archaeological or historic sites]

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<p><input type="checkbox"/> - N/A</p> <p><input type="checkbox"/> - TSO-Historic advice/involvement required</p> <p><input checked="" type="checkbox"/> - Departmental Archaeologist advice/involvement required</p> <p><input checked="" type="checkbox"/> - Iwi approval/monitor required</p> <p><input checked="" type="checkbox"/> - Site/Conservation Plan actions to be followed/adhered to</p> <p><input type="checkbox"/> - Historic Places Trust approval required</p>	<p>Comment:</p> <p>It is recommended that the standard accidental discovery protocol is put in place requiring works to be ceased if any item of potential archaeological significance is discovered and not restarted until clearance has been given from the relevant authority.</p> <p>****identify particular performance standards****</p> <p>It is recommended that a site visit establish the existence of NZAA U26/1 and preparation for an Authority to damage destroy or modify an archaeological site be undertaken.</p>
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Section 6: Effects on Cultural and Spiritual Values

Importance of the area to Tangata Whenua

[Identify the Iwi and/or Hapu associated with the work area and the significance of the area to Tangata Whenua. Information must be obtained in consultation with the your Kaupapa Atawhai Manager]

<p>Iwi and/or Hapu associated with the work area:</p> <p>Rangitane and Ngati Kahangunu</p> <p>Significance of the area to Tangata Whenua</p> <p><input type="checkbox"/> - None <input checked="" type="checkbox"/> - Moderate</p> <p><input type="checkbox"/> - Limited <input type="checkbox"/> - High</p> <p>Is a hikina te tapu (lifting the tapu) or other tikanga required?</p> <p><input type="checkbox"/> - Yes <input type="checkbox"/> - No</p>	<p>Comment:</p> <p>The whole reserve was used extensively by early Polonesian food foraging parties but no permanent settlements were established. Moa bones and eggs have been found in the caves on the reef. There are no known archaeological sites present in the operational area.</p> <p>****need to confirm with Kaupapa Atawhai Manager with regard to lifting of tapu****</p>
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Effect of work on cultural and spiritual values

[Identify results of consultation with Iwi on how to avoid or minimise having the proposed work affect their concerns, including the effect on sites of significance]

<p><input type="checkbox"/> - N/A</p> <p><input type="checkbox"/> - Blessing of area to be conducted prior to commencement of works</p> <p><input checked="" type="checkbox"/> - Discovery of Taonga (eg. bones, artefacts, etc) – cease work and Tangata Whenua to be contacted immediately</p> <p><input checked="" type="checkbox"/> - Mauri of area compromised - cease work and Tangata Whenua to be contacted immediately</p> <p><input type="checkbox"/> - Other:</p>	<p>Comment:</p> <p>It is recommended that the standard accidental discovery protocol is put in place requiring works to be ceased if any item of potential archaeological significance is discovered and not restarted until clearance has been given from Tangata Whenua.</p>
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Performance standards

[Identify the actions that will be implemented to avoid, remedy or mitigate adverse effects on Iwi and sites of significance to them]

<p><input type="checkbox"/> - N/A</p> <p><input type="checkbox"/> - Kaupapa Atawhai Manager advice / involvement required</p> <p><input checked="" type="checkbox"/> - Tangata Whenua involvement required</p> <p><input checked="" type="checkbox"/> - Iwi monitor required</p>	<p>Comment:</p> <p>Tangatata Whenua will be involved through the consent process. Conditions can be imposed on the resource consent binding DOC to carry the proposed works in accordance with the application and best practice. Compliance with these conditions will be monitored by GWRC and Iwi.</p>
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Section 7: Effects on Native Wildlife

Species in the area

[Briefly identify the significant native wildlife species in the work area, including birds, invertebrates, bats, aquatic fauna, and reptiles. Refer to VAMS site 'significant natural features' field]

<p>Significant native wildlife:</p> <p>The following native species are known to be present in the Castlepoint Scenic reserve.</p> <p>White-fronted Terns : <i>Sterna striata</i> Red-billed Gulls : <i>larus novaehollandiae</i> Reef Heron : <i>Egretta sacra</i></p> <p>Common skink : <i>leiopisma nigriplantare</i> Common gecko : <i>Hoplodactylus maculatus</i> Common green gecko : <i>Naultinus elegans punctatus</i></p> <p>Katipo Spider : <i>Latrodectus katipo</i> Notoreas moth : Castlepoint endemic species</p>
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Effect of work on native wildlife

[Identify the effects that work will have on native wildlife. Consider both positive and negative effects.]

<p><input type="checkbox"/> - Minimal affect on native wildlife</p> <p><input checked="" type="checkbox"/> - Minor short-term disturbance (< 1 month, full recovery expected)</p> <p><input type="checkbox"/> - Major short-term disturbance (< 1 month, some recovery expected, but not full)</p> <p><input type="checkbox"/> - Minor permanent loss/habitat modification (local extinction/loss of species, but expect some recovery over time)</p> <p><input type="checkbox"/> - Major permanent loss/habitat modification (local extinction/loss of species, recovery over time unlikely)</p>	<p>Comment:</p> <p>Within the 33 m² area subject to path construction there is no known bird nesting sites. Any skinks, geckos or Katipo spiders found will be relocated to an undisturbed site.</p> <p>The construction activity will be short term in nature and all works will be undertaken to ensure that minimal disturbance occurs.</p>
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Performance standards

[Identify the actions to be undertaken to avoid, remedy or mitigate adverse effects on these native wildlife]

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<p><input type="checkbox"/> - N/A</p> <p><input type="checkbox"/> - TSO-Fauna advice/involvement required</p> <p><input type="checkbox"/> - Recovery/action plan actions to be followed</p> <p><input type="checkbox"/> - Recovery/specialist group approval required</p> <p><input type="checkbox"/> - Other:</p>	<p>Comment:</p> <p>**** Specific performance standards to be identified****</p>
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Section 8: Effects on Native Flora

Species in the area

[Briefly describe the main vegetation communities in the work area. Identify any threatened or uncommon native species/ communities of flora in work area. Refer to VAMS site 'significant natural; features' field]

Significant native flora: Castlepoint Daisy : <i>Brachyglottis compacta</i> Pingao : <i>Desmoschoenus spiralis</i> Spinifex : <i>Spinifex sericeus</i> Sand Daphne : <i>Pimela arenaria</i> Sand Coprosma : <i>Coprosma acerosa</i> Pimela : <i>Pimela prostrate</i>
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Effects of work native flora

[What effect will the Work have on these plants? Consider both positive and negative effects.]

<input type="checkbox"/> - Minimal or no affect on native flora <input checked="" type="checkbox"/> - Minor short-term disturbance (such as vegetation clearance) <input type="checkbox"/> - Major short-term disturbance (such as loss of canopy tree(s)) <input type="checkbox"/> - Minor permanent habitat modification/loss (eg. weed incursions, loss of species / community) <input type="checkbox"/> - Major permanent habitat modification/loss (eg. local extinction of species/community)	Comment: The proposed alignment of the path requires that only one sand daphne is removed. It is proposed that cuttings will be taken from the sand daphne, grown out and replanted within the reserve. Overall, while there will be a short-term disturbance the overall outcome will be an increase in the sand daphne population in the reserve. The works also involve the removal of marram grass which is a recognised weed species in the reserve. This will enable recolonisation by native species.
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Performance standards

[Identify the actions to be undertaken to avoid, remedy or mitigate adverse effects on these flora such as preventing weed incursion or restoring site after work]

<input type="checkbox"/> - N/A <input checked="" type="checkbox"/> - TSO-Plant Ecology advice/involvement required <input checked="" type="checkbox"/> - Plant Conservation Strategy actions to be followed <input type="checkbox"/> - Chatham's Threatened Plant Action Plan to be followed <input type="checkbox"/> - Other:	Comment: Actions will be taken to prevent weed incusion following site works. ****identify particular performance standards****
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Section 9: Effects on Waterways and other Natural Systems

Waterways and other natural systems

[Describe the water drainage processes that occur in the work area. Describe any other significant natural systems occurring in the work area (eg. karst and cave, geothermal)]

Castlepoint Reef is connected to the mainland by a sand dune and lagoon system. The immediate location of the path is above mean high water and approximately 150 m north of the lagoon. Stormwater runoff is directly to the coastal waters.

Effects of work on waterways and other ecological or physical systems

[Identify the effect that the work will have on existing waterways and/or other ecological/physical systems]

<input type="checkbox"/> - No affect on waterway/other water body <input checked="" type="checkbox"/> - Minor short-term disturbance (< 1 month, full recovery expected) <input type="checkbox"/> - Major short-term disturbance (< 1 month, some recovery expected, but not full) <input type="checkbox"/> - Minor permanent loss of water quality/ disturbance to ecological/physical systems (local extinction/loss of species, but expect some recovery over time) <input type="checkbox"/> - Major permanent loss of water quality/ disturbance to ecological/physical systems (local extinction/loss of species, recovery over time unlikely)	<p>Comment:</p> <p>The use of machinery will be limited, where possible Bristar expanding grout will be used to excavate into the upslope of the proposed footpath. No machinery will be operated in water. All refuelling of machinery will occur greater than 50 m from the coastal marine area.</p> <p>Sediment control measures will be employed.</p> <p>Given the above it is considered that there will be no significant impact on the coastal marine area or the biota.</p>
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Performance standards

[Identify the actions are to be undertaken to avoid, remedy or mitigate adverse effects on these systems?]

<input type="checkbox"/> - N/A <input type="checkbox"/> - TSO-Freshwater/Marine advice/ involvement required <input type="checkbox"/> - Recovery/action plan to be followed <input type="checkbox"/> - Recovery/specialist group approval required <input checked="" type="checkbox"/> - Other:	<p>Comment:</p> <p>Use of Bristar expanding grout where possible instead of machinery.</p> <p>Sediment control measures will be employed e.g. filter cloth erected down slope of works.</p>
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Section 10: Monitoring of Work Impacts

Precautions to be employed to minimise biodiversity/biosecurity risks

[Identify precautions to be undertaken prior to start of work to lessen biodiversity/biosecurity risks]

<input type="checkbox"/> - N/A <input checked="" type="checkbox"/> - Inspection for weed fragments & seeds/pests <input checked="" type="checkbox"/> - Cleaning/washing of equipment <input checked="" type="checkbox"/> - Use of clean/treated materials <input checked="" type="checkbox"/> - Use of on-site gravel <input type="checkbox"/> - Other:	<p>Comment:</p> <p>All of the precautions stated will be employed to minimise biodiversity / biosecurity risks.</p>
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Management of work impacts on landscape character

[Identify methods to minimise/manage impact of construction work on landscape character/biodiversity]

<input type="checkbox"/> - N/A <input type="checkbox"/> - Port-a-loo to be used to manage human waste <input type="checkbox"/> - Litter / construction waste to be stockpiled and removed from site at completion of work <input type="checkbox"/> - Helicopter to be used to transport materials <input checked="" type="checkbox"/> - Existing facilities (hut, toilets, etc) to be used <input type="checkbox"/> - Other:	<p>Comment:</p> <p>There is an existing public toilet that will be used.</p> <p>As a condition of the construction contract all litter and construction waste will be removed off site.</p>
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Proposed monitoring

[Identify range of monitoring proposed to check that effects have been avoided, remedied or mitigated. Provide details of monitoring at Appendix 3]

Method	Construction phase			
	Pre	During	Post	
Presence/spread of weeds/pest species	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 0-3 mths <input checked="" type="checkbox"/> 6-12 mths	<input type="checkbox"/> 3-6 mths <input type="checkbox"/> 1-2 yrs
Disturbance to rare/threatened flora (species and communities)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 0-3 mths <input checked="" type="checkbox"/> 6-12 mths	<input type="checkbox"/> 3-6 mths <input type="checkbox"/> 1-2 yrs
Disturbance to rare/threatened native wildlife	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> 0-3 mths <input checked="" type="checkbox"/> 6-12 mths	<input type="checkbox"/> 3-6 mths <input type="checkbox"/> 1-2 yrs
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 0-3 mths <input type="checkbox"/> 6-12 mths	<input type="checkbox"/> 3-6 mths <input type="checkbox"/> 1-2 yrs

Section 11: TSO advice/comments

Relevant TSO	Comment
<p>Animal Pests - [name] <input type="checkbox"/> - Information sufficient <input type="checkbox"/> - Further analysis/description required Signature: Date:</p>	
<p>Concessions – Tania Wrightson <input checked="" type="checkbox"/> - Information sufficient <input type="checkbox"/> - Further analysis/description required Signature: <i>TR Wrightson</i> Date: 16 July 2008</p>	<p>Concessionaires will be pleased with the new structure and the construction will have very little effect on their businesses.</p>
<p>Cultural / Iwi liaison – Anaru Luke <input type="checkbox"/> - Information sufficient <input checked="" type="checkbox"/> - Further analysis/description required Signature: <i>Anaru Luke</i> Date: 17 July 2008</p>	<p>Contact to be made with Charles Morunga and Tom Wilton as representatives of the hapu (Te Hika a Papauma) for the Castlepoint area for their input and advice. Contact details for them ought to be available from Wairarapa AO.</p>
<p>Fauna / Biodiversity - [name] <input type="checkbox"/> - Information sufficient <input type="checkbox"/> - Further analysis/description required Signature: Date:</p>	
<p>Freshwater / Marine – Helen Kettles <input checked="" type="checkbox"/> - Information sufficient <input type="checkbox"/> - Further analysis/description required Signature: Date:</p>	<p>Effects on the marine environment will be minimal due to the use of sediment control measures. In addition any minimal sediment runoff will be quickly dissipated in the beach environment.</p>
<p>Historic – Richard Nester <input type="checkbox"/> - Information sufficient <input checked="" type="checkbox"/> - Further analysis/description required Signature: <i>Richard Nester</i> Date: 14 July 2008</p>	<p>It is recommended that a site visit establish the existence of NZAA U26/1 and preparation for an Authority to damage destroy or modify an archaeological site be undertaken.</p> <p>NZAA site number U26/1 is located in the immediate proximity to the proposed site. This is described as a midden prone to erosion. It is not known how much of the site still exists but since it is recorded it should be assumed the site remains intact. Further investigation is warranted.</p>
<p>Plant ecology - [name] <input type="checkbox"/> - Information sufficient <input type="checkbox"/> - Further analysis/description required Signature: Date:</p>	

**Visitor Assets Projects - Assessment of Environmental Effects
Department of Conservation**

<p>Recreation – Claudia Hill <input checked="" type="checkbox"/> - Information sufficient <input type="checkbox"/> - Further analysis/description required</p> <p>Signature: Claudia Hill Date: 14 July 2008</p>	<p>Looking forward to see the new section</p>
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Section 12: CRO-Planning advice/comments

<p>Resource Management Consents – [Pip McLane - DW] <input type="checkbox"/> - Application meets requirements <input checked="" type="checkbox"/> - Application requires further information</p> <p>Signature: Date:</p>	<p>Comment: Further information will need to be provided to obtain resource consent from Greater Wellington. The activity is a non-complying activity and needs assessment against Part 2 of the Act and the relevant objectives and policies of the Plans.</p>
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after consulting with Steve Hawley & Jan Hampson (planners GW) they advised us that a resource consent was not needed as the work was

Section 13: Conclusion

[Provide a final conclusion about the compatibility of the Work with the requirements of the approving bodies (i.e DOC internal approvals and Local Authority or Regional Council consents)]

This assessment of environmental effects concludes that the proposed construction of a footpath to connect to the existing footpath providing access to Castlepoint lighthouse will have no significant adverse effects on the environment. All potential affects have been avoided, remedied or mitigated through the design and proposed methods of construction.

The assessment identifies that resource consent is required from Greater Wellington Regional Council for the following:

- a. Occupation of the coastal marine area (CMA);
- b. Erection of a structure in the CMA;
- c. Disturbance of the CMA; and
- d. Deposition of material in the CMA.

Given the public interest in the area any consent application will require to be publicly notified.

Area Approval to Proceed

 [Area Manager]

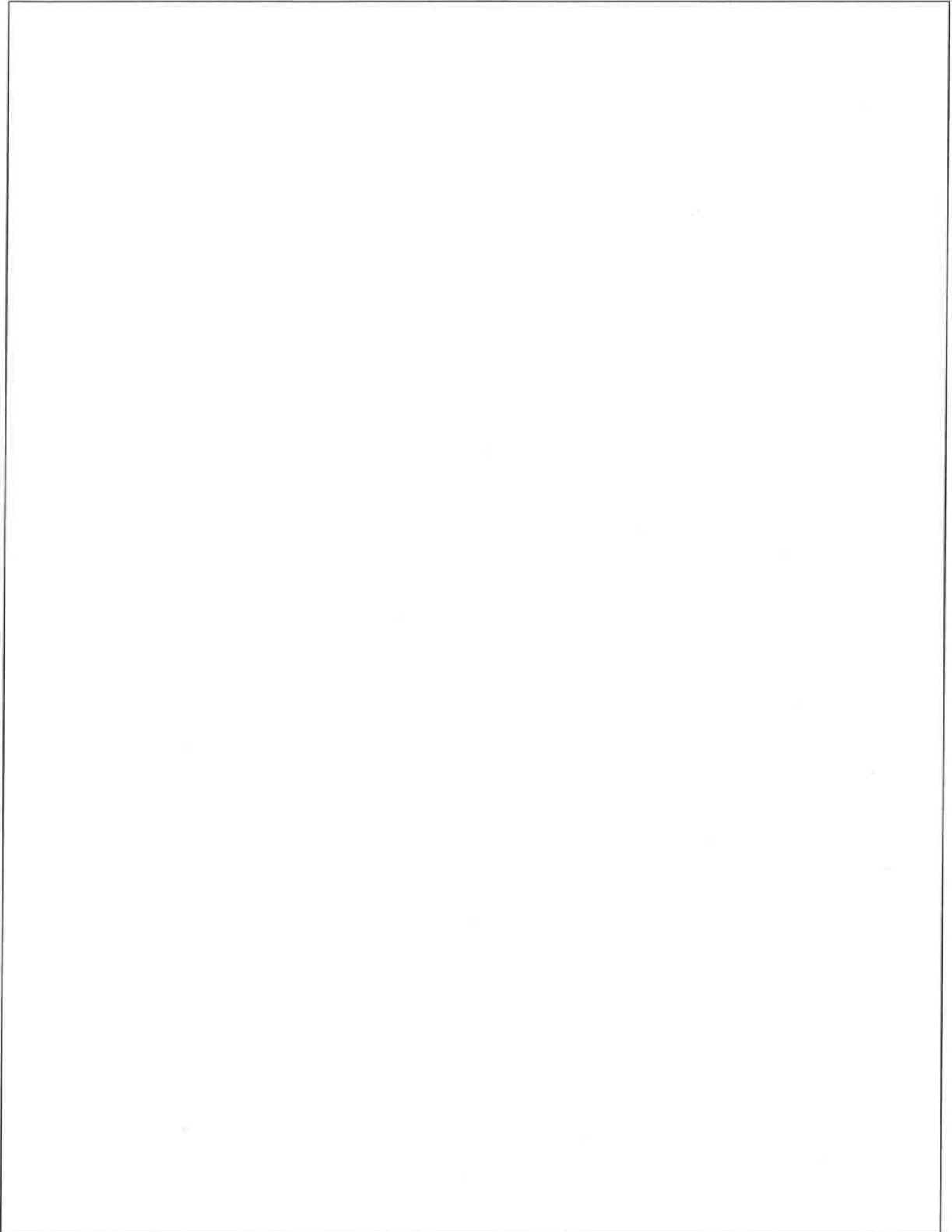
References

The following published references were used in developing this AEE.

Source/Author	Year	Document

Appendix 1: Maps

[Provide a colour map of the area showing location of the work and details such as access points/tracks/roads, etc to the site]





Castlepoint Lighthouse

Jetty Road access

Approximate area of
footpath construction
(30m)

Public Toilet Facilities

Fishing Boat and Vehicle Park

Castlepoint Scenic Reserve

620 m



Drawing No: 149-59 Client: Wellington Project: 149-59 Date: (A1) 1/2020	(A) 204-2022 Scale: V160 Revision: -
149-59 Castlepoint Walkway	
Department of Conservation Wairarapa Conservancy	
Approved: _____ Date: 3-07-08 Checked: P. McLean Approved: J. Newbould	Date: _____ Scale: _____ Project: _____ Client: _____

Appendix 2: Consultation Record

[Provide details of all people/groups consulted with during the work and outcome(s) of the consultation]

Name:		Outcome of consultation:
Organisation:		
Position held:		
Phone:		
Email:		
Name:		Outcome of consultation:
Organisation:		
Position held:		
Phone:		
Email:		
Name:		Outcome of consultation:
Organisation:		
Position held:		
Phone:		
Email:		
Name:		Outcome of consultation:
Organisation:		
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Name:		Outcome of consultation:
Organisation:		
Position held:		
Phone:		
Email:		
Name:		Outcome of consultation:
Organisation:		
Position held:		
Phone:		
Email:		

Appendix 3: Monitoring Method

Monitoring techniques/methods to be employed:

[Identify and provide a description of the monitoring method(s) to be employed during the work]

<ul style="list-style-type: none"><input checked="" type="checkbox"/> - Field survey to locate/map populations and/or population range of plant/animal spp<input type="checkbox"/> - Field survey to mark/flag populations and/or population range<input type="checkbox"/> - Population counts (ie. density/frequency)<input checked="" type="checkbox"/> - Population health/vigour/condition<input checked="" type="checkbox"/> - Photo-point monitoring<input type="checkbox"/> - Visitor count / survey<input checked="" type="checkbox"/> - Contractor compliance with contract conditions<input type="checkbox"/> - Other:	Comment:
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Analysing, evaluating and storing data

[Briefly detail how data will be analysed, evaluated and stored]

Reporting on progress

[Detail how monitoring will be reported]

Castlepoint Walkway Photographs of Surroundings



Figure 1: Photograph showing existing path and area where extension is to occur



Figure 2: Photograph showing the existing path and extent of the proposed footpath extension



Figure 3: Photograph showing the approximate extent of the footpath extension

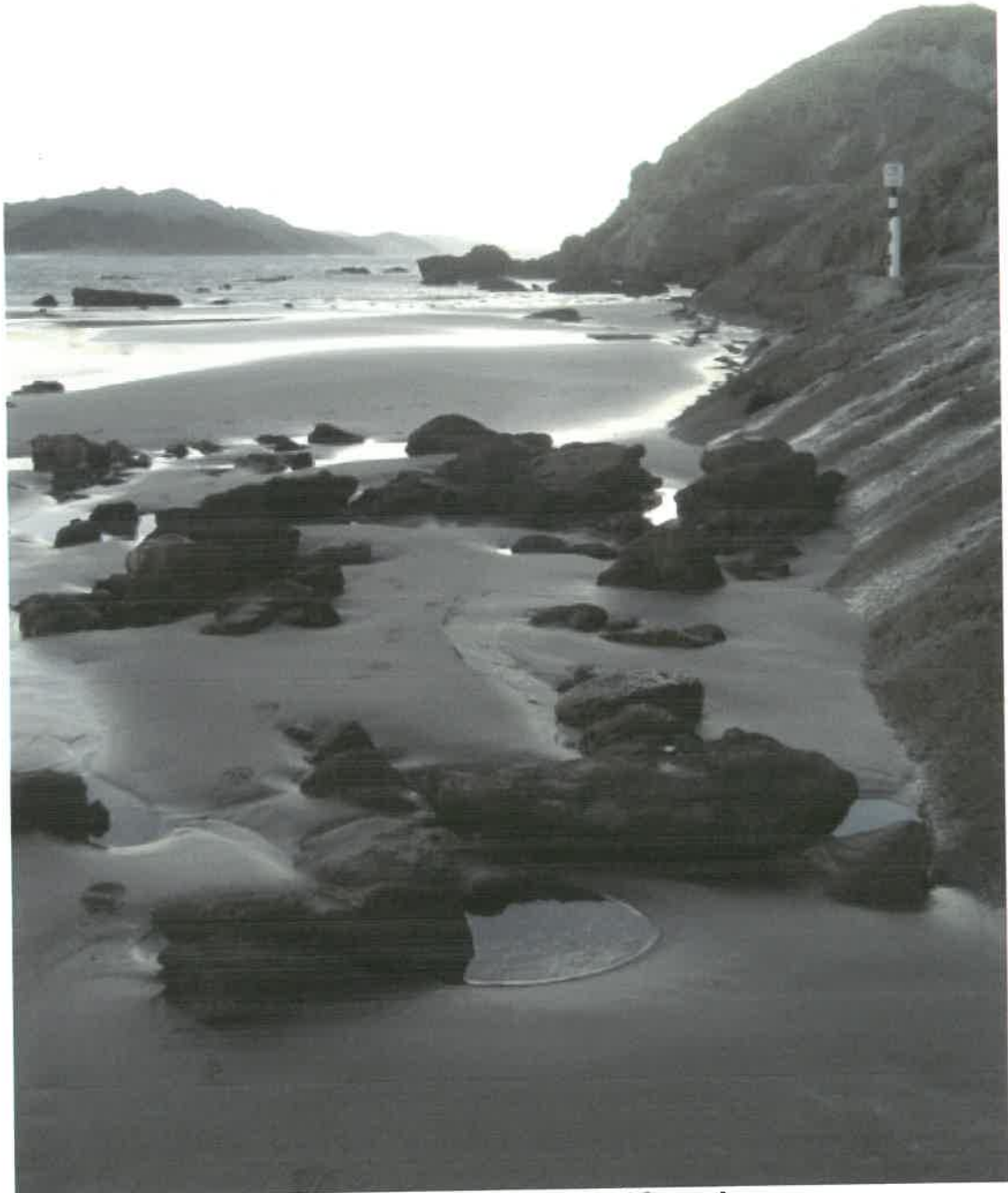


Figure 4: Environment immediately down slope of proposed foot path



Figure 5: Photograph showing existing footpath



Figure 6: Photograph showing typical vegetation adjacent to the footpath

Appendix 4: Plans relevant to the application

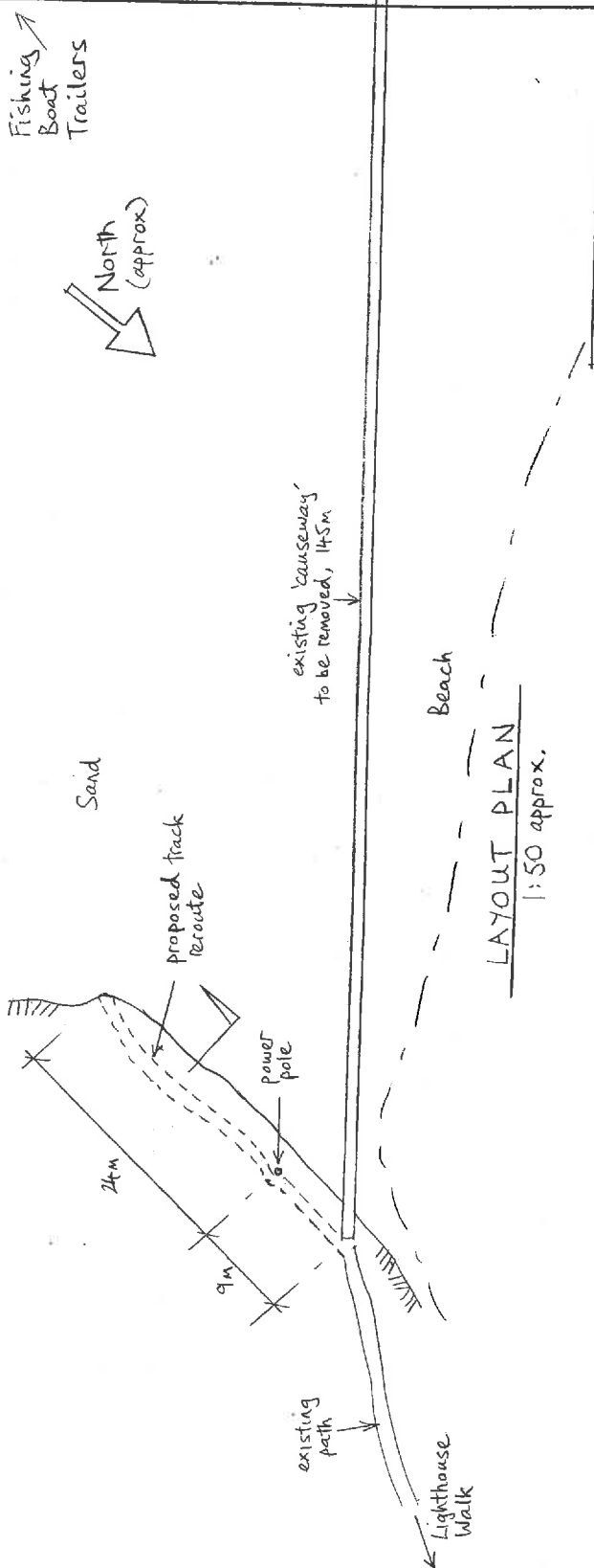
[Include designs and/or other plans relevant to the application]

Site Photographs as attached.

Appendix 5: Additional Information

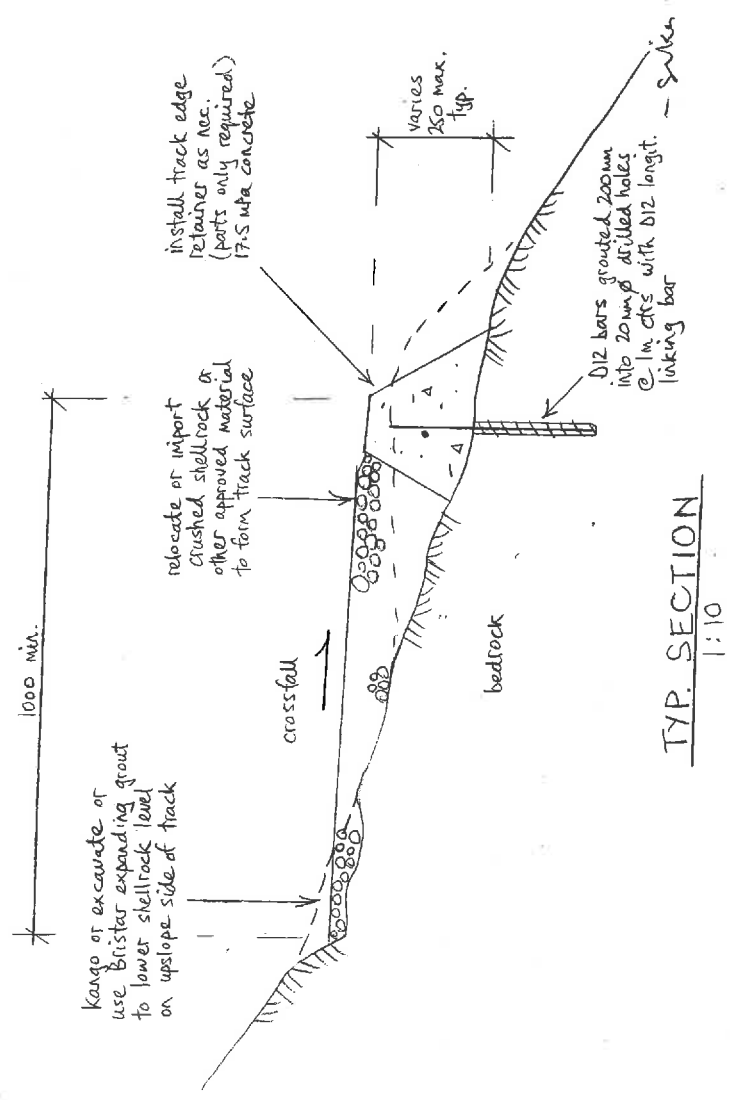
[Include any additional information or further justification to specific sections relevant to the application]

Design Drawings



SPEC. NOTES

1. Timber piles of causeway to be removed, must be extracted, plus other bearing elements under sand.
2. Confirm to DOC Wairarapa, means of disposal.
3. Refer to DOC Wairarapa re any further requirements such as addition of colouring agent to concrete (edge retained).



Department of Conservation
Te Papa Atawhai

Conservancy
WELLINGTON

Field centre
WAIRARAPA

Project Name
CASTLEPOINT CAUSEWAY TRACK REROUTE

Drawing Name
TRACK REROUTE

Consultant

card file	date	4.4.08	drawn	AD
Map	Grid Reference	east	north	
Designed	Checked	GF	Approved	CL

STRUCTURE NUMBER

site no.	asset no.	drawing	issue
41	9376	1	

