MCDA CRITERIA – REGULATORY CONSENTING AND POLICY RISK

| Management | Pathway | way Pathway Description | | | | Regulatory Consenting and Policy | | |
|------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Unit | | Short term | Medium term | Long term | Score | Notes | | |
| | 1 | Enhance - Dune and/or wetland resilience, community education and emergency management | Soft Engineering - Dune reconstruction | Soft Engineering - Beach renourishment | 3 | Coastal restoration and enhancement is encouraged under the prany major consenting hurdles in the short term. Soft-engineering in the medium and long term will have some cobut is aligned with the current statutory framework. | | |
| Waikanae Unit 5A | 2 | Enhance - Dune and/or wetland resilience, community education and emergency management AND Soft Engineering - Dune reconstruction | Enhance - Dune and/or wetland resilience, community education and emergency management AND Soft Engineering - Beach renourishment | Protect - Hard Engineering - Sea wall | 2 | Coastal restoration and enhancement is encouraged under the plany major consenting hurdles in the short term. Soft-engineering in the short and medium term will have some could but is aligned with the current statutory framework. Hard-engineering in the long term will have some consenting require Hard-engineering approaches trigger more stringent consenting in NZCPS and RPS because of the adverse effects they can have on the order of the structure is likely to be more challenging than | | |
| | 3 | Enhance - Dune and/or wetland resilience, community education and emergency management AND Soft Engineering - Dune reconstruction | Enhance - Dune and/or wetland resilience, community education and emergency management AND Soft Engineering - Beach renourishment | Protect - Hard Engineering - Detached Breakwater | 1 | Coastal restoration and enhancement is encouraged under the prany major consenting hurdles in the short term. Soft-engineering in the short and medium term will have some consult is aligned with the current statutory framework. Hard-engineering in the long term will have some consenting requestion of the adverse effects they can have on the NZCPS and RPS because of the adverse effects they can have on the Consenting an offshore structure is likely to be more challenging than a sate of significance for mana whenua and there is greater uncerestive of Waikanae Beach are scheduled in the Natural Resources sites of significance for mana whenua. The area has also been identified on the structure is structure is a site of significance for mana whenua. | | |
| | 4 | Enhance - Dune and/or wetland resilience, community education and emergency management AND Soft Engineering - Dune reconstruction | Protect - Hard Engineering - Sea wall | Retreat | 2 | Coastal restoration and enhancement is encouraged under the prany major consenting hurdles in the short term. Soft-engineering in the short term will have some consenting requires the current statutory framework. Hard-engineering in the medium term will have some consenting of NZCPS and RPS because of the adverse effects they can have on the Consenting a new structure is likely to be more challenging than If managed retreat is done well, it should have limited (or positive to be rectified prior to be required. Managed retreat currently requires regional and district plan charts. | | |

Risk

resent regulatory framework and will not face

onsenting requirements and may be challenged

resent regulatory framework and will not face

onsenting requirements and may be challenged

- uirements and may be challenged.
- requirements and are discouraged under the e environment.
- upgrading an existing structure.

resent regulatory framework and will not face

onsenting requirements and may be challenged

- uirements and may be challenged.
- requirements and are discouraged under the e environment.
- upgrading an existing structure.
- than a sea wall as the whole coast is recognised ertainty in the effects of the structure.
- Plan for the Wellington Region as containing
- tified as having a significant surf break.

resent regulatory framework and will not face

uirements and may be challenged but is aligned

- requirements and may be challenged.
- requirements and are discouraged under the e environment.
- upgrading an existing structure.
- e) effects on the environment.
- undertake managed retreat however, this is likely

anges to implement.

| Waikanae Unit 5A | 5 | Enhance - Dune and/or wetland resilience, community education and emergency management AND Soft Engineering - Dune reconstruction | Protect - Hard Engineering - Detached Breakwater | Retreat | 1 | Coastal restoration and enhancement is encouraged under the prany major consenting hurdles in the short term. Soft-engineering in the short term will have some consenting requith the current statutory framework. Hard-engineering in the long term will have some consenting requitation of the long term will have some consenting requires and RPS because of the adverse effects they can have on the Consenting a new structure is likely to be more challenging than use a site of significance for mana whenua and there is greater unce Parts of Waikanae Beach are scheduled in the Natural Resources sites of significance for mana whenua. The area has also been idem of the managed retreat is done well, it should have limited (or positive currently there is no national direction or precedent on how to us to be rectified prior to be required. Managed retreat currently requires regional and district plan chains. |
|------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 6 | Enhance - Dune and/or wetland resilience, community education and emergency management AND Soft Engineering - Dune reconstruction | Retreat | Retreat | 2 | Coastal restoration and enhancement is encouraged under the prany major consenting hurdles in the short term. Soft-engineering in the short term will have some consenting requirements that tory framework. If managed retreat is done well, it should have limited (or positive Currently there is no national direction or precedent on how to use managed retreat more challenging in the medium term. Managed retreat currently requires regional and district plan charts. |

resent regulatory framework and will not face quirements and may be challenged but is aligned quirements and may be challenged. requirements and are discouraged under the e environment. upgrading an existing structure. than a sea wall as the whole coast is recognised

ertainty in the effects of the structure.

Plan for the Wellington Region as containing

ntified as having a significant surf break.

e) effects on the environment.

undertake managed retreat however, this is likely

inges to implement.

resent regulatory framework and will not face

quirements and may be challenged but is aligned

e) effects on the environment.

undertake managed retreat this could make

inges to implement.

| 1 | Status Quo AND Community Education and Emergency Management | Status Quo AND Community Education and Emergency Management | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | 5 | • Coastal restoration and enhancement is encouraged under the p any major consenting hurdles in the short term. |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | Status Quo AND Community Education and Emergency Management | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Protect - Additional Hard Protection - e,g. stopbanks, Culverts and Pump stations | 2 | Coastal restoration and enhancement is encouraged under the p any major consenting hurdles in the short term. Stop bank, floodgates, pump station and culverts trigger the NPS depending on location. Hard-engineering in the long term will have some consenting reconsenting a new structure is likely to be more challenging than |
| 3 | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Accommodate - Elevate floor levels of buildings and flood proofing buildings and infrastructure | 5 | Coastal restoration and enhancement is encouraged under the p any major consenting hurdles in the short term. Elevating buildings and flood proofing will have building consent Given the anticipated timeframe of this action this may occur natu hurdles are not anticipated. |
| 4 | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Accommodate - Elevate floor levels of buildings and flood proofing buildings and infrastructure | Retreat | 3 | Coastal restoration and enhancement is encouraged under the p any major consenting hurdles in the short term. Elevating buildings and flood proofing will have building consent Given the anticipated timeframe of this action this may occur natu hurdles are not anticipated. If managed retreat is done well, it should have limited (or positiv Currently there is no national direction or precedent on how to u to be rectified prior to be required. Managed retreat currently requires regional and district plan characteristics. |
| 5 | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Protect - Additional Hard Protection - e,g. stopbanks, Culverts and Pump stations | Retreat | 2 | Coastal restoration and enhancement is encouraged under the p any major consenting hurdles in the short term. Stop bank, floodgates, pump station and culverts trigger the NPS depending on location. Hard-engineering in the long term will have some consenting red Consenting a new structure is likely to be more challenging than If managed retreat is done well, it should have limited (or positive Currently there is no national direction or precedent on how to us to be rectified prior to be required. Managed retreat currently requires regional and district plan characteristics |

Waikanae Unit 5B

present regulatory framework and will not face

present regulatory framework and will not face

S-FM and NES-F and may trigger the NZCPS

quirements and may be challenged. upgrading an existing structure.

present regulatory framework and will not face

and possibly resource consent) requirements. urally with the turnover of buildings. Consenting

present regulatory framework and will not face

(and possibly resource consent) requirements. Irally with the turnover of buildings. Consenting

ve) effects on the environment. undertake managed retreat however, this is likely

anges to implement.

present regulatory framework and will not face

S-FM and NES-F and may trigger the NZCPS

quirements and may be challenged. upgrading an existing structure. ve) effects on the environment.

undertake managed retreat however, this is likely

anges to implement.

| Management | Pathway | Pathway Description | | | Regulatory Consenting and Policy Risk | | |
|--------------------------------|---------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Unit | | Short term | Medium term | Long term | Score | Notes | |
| Waikanae Estuary Unit 6A and B | 1 | Status Quo AND Community Education and Emergency Management | Enhance - Dune and/or wetland resilience, community education and emergency management | Enhance - Dune and/or wetland resilience, community education and emergency management | 5 | Coastal restoration and enhancement is encouraged under the prany major consenting hurdles in the short term. | |
| | 2 | Status Quo AND Community Education and Emergency Management | Enhance - Dune and/or wetland resilience, community education and emergency management | Protect - Bank protection | 3 | Coastal restoration and enhancement is encouraged under the prany major consenting hurdles in the short term. Bank protection is likely to require consent however it may be ea within the same or similar footprint to existing inundation protection | |
| | 3 | Enhance - Dune and/or wetland resilience, community education and emergency management | Enhance - Dune and/or wetland resilience, community education and emergency management | Protect - Bank protection | 3 | Coastal restoration and enhancement is encouraged under the prany major consenting hurdles in the short term. Bank protection is likely to require consent however it may be ea within the same or similar footprint to existing inundation protection | |
| | 4 | Enhance - Dune and/or wetland resilience, community education and emergency management | Protect - Bank protection | Protect - Bank protection | 3 | Coastal restoration and enhancement is encouraged under the prany major consenting hurdles in the short term. Bank protection is likely to require consent however it may be ea within the same or similar footprint to existing inundation protection | |
| | 5 | Enhance - Dune and/or wetland resilience, community education and emergency management | Retreat - Retreat recreational infrastructure to make way for wetland migration | Retreat - Retreat recreational infrastructure to make way for wetland migration | 4 | Coastal restoration and enhancement is encouraged under the plany major consenting hurdles in the short term. The area is a marine reserve and retreating recreational infrastru consistent with the purpose of the reserve. | |

resent regulatory framework and will not face

resent regulatory framework and will not face

asier to consent given the works would be ion.

resent regulatory framework and will not face

asier to consent given the works would be ion.

resent regulatory framework and will not face

asier to consent given the works would be ion.

resent regulatory framework and will not face

acture to make way for wetland migration is

| Management | Pathway | Pathway Description | | | Regulatory Consenting and Policy F | | |
|-------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Unit | | Short term | Medium term | Long term | Score | Notes | |
| Otaihanga Unit 7B | 1 | Status Quo AND Community Education and Emergency Management | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Protect - Additional Hard Protection (e.g. stopbanks, culverts and pump stations) | 2 | Coastal restoration and enhancement is encouraged under the any major consenting hurdles in the short term. Stop bank, floodgates, pump station and culverts trigger the NI depending on location. Hard-engineering in the long term will have some consenting restored. Consenting a new structure is likely to be more challenging that | |
| | 2 | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Accommodate - Elevate floor levels of buildings and flood proofing buildings and infrastructure | 5 | Coastal restoration and enhancement is encouraged under the any major consenting hurdles in the short term. Elevating buildings and flood proofing will have building conser Given the anticipated timeframe of this action this may occur nathurdles are not anticipated. | |
| | 3 | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Accommodate - Elevate floor levels of buildings and flood proofing buildings and infrastructure | Retreat | 3 | Coastal restoration and enhancement is encouraged under the any major consenting hurdles in the short term. Elevating buildings and flood proofing will have building conser Given the anticipated timeframe of this action this may occur nathurdles are not anticipated. If managed retreat is done well, it should have limited (or posit Currently there is no national direction or precedent on how to to be rectified prior to be required. Managed retreat currently requires regional and district plan cleanses. | |
| | 4 | Protect - Additional Hard Protection (e.g. stopbanks, culverts and pump stations) | Enhance - Enhance new inundation protection, dune and/or wetland resilience, and c and community education and emergency management | Retreat | 2 | Stop bank, floodgates, pump station and culverts trigger the NI depending on location. Hard-engineering in the long term will have some consenting reconsenting a new structure is likely to be more challenging tha If managed retreat is done well, it should have limited (or posite Currently there is no national direction or precedent on how to to be rectified prior to be required. Managed retreat currently requires regional and district plan classical direction of the structure of the | |
| | 5 | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Protect - Additional Hard Protection (e.g. stopbanks, culverts and pump stations) | Protect - Additional Hard Protection (e.g. stopbanks, culverts and pump stations) | 2 | Coastal restoration and enhancement is encouraged under the any major consenting hurdles in the short term. Stop bank, floodgates, pump station and culverts trigger the NI depending on location. Hard-engineering in the long term will have some consenting restorations. Consenting a new structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging that the structure is likely to be more challenging the structure is likely to be more challenging that the structure is likely to be more challenging the stru | |

lisk values

present regulatory framework and will not face

PS-FM and NES-F and may trigger the NZCPS

requirements and may be challenged. an upgrading an existing structure.

present regulatory framework and will not face

ent (and possibly resource consent) requirements. Aturally with the turnover of buildings. Consenting

present regulatory framework and will not face

nt (and possibly resource consent) requirements. turally with the turnover of buildings. Consenting

tive) effects on the environment. o undertake managed retreat however, this is likely

hanges to implement.

PS-FM and NES-F and may trigger the NZCPS

equirements and may be challenged.

an upgrading an existing structure.

tive) effects on the environment.

o undertake managed retreat however, this is likely

hanges to implement.

present regulatory framework and will not face

IPS-FM and NES-F and may trigger the NZCPS

requirements and may be challenged. an upgrading an existing structure.

| Management | Pathway | Pathway Description | | | Regulatory Consenting and Policy Ri | | |
|---------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Unit | | Short term | Medium term | Long term | Score | Notes | |
| 4 | 1 | Enhance - Dune and/or wetland resilience, community education and emergency management | Protect - Soft Engineering - Dune Reconstruction | Protect - Soft Engineering - Beach Renourishment | 3 | Coastal restoration and enhancement is encouraged under the any major consenting hurdles in the short term. Soft-engineering in the medium and long term will have some challenged but is aligned with the current statutory framework. | |
| Paraparaumu Unit 8/ | 2 | Enhance - Dune and/or wetland resilience, community education and emergency management AND Protect - Soft Engineering - Dune reconstruction | Enhance - Dune and/or wetland resilience, community education and emergency management AND Protect - Soft Engineering - Beach Renourishment | Protect - Hard Engineering - Sea wall | 2 | Coastal restoration and enhancement is encouraged under the any major consenting hurdles in the short term. Soft-engineering in the short and medium term will have some challenged but is aligned with the current statutory framework. Hard-engineering in the long term will have some consenting r Hard-engineering approaches trigger more stringent consentin NZCPS and RPS because of the adverse effects they can have on r Consenting a new structure is likely to be more challenging that | |
| | 3 | Enhance - Dune and/or wetland resilience, community education and emergency management AND Protect - Soft Engineering - Dune reconstruction | Enhance - Dune and/or wetland resilience, community education and emergency management AND Protect - Soft Engineering - Beach Renourishment | Protect - Hard Engineering - Detached Breakwater | 1 | Coastal restoration and enhancement is encouraged under the any major consenting hurdles in the short term. Soft-engineering in the short and medium term will have some challenged but is aligned with the current statutory framework. Hard-engineering in the long term will have some consenting r Hard-engineering approaches trigger more stringent consentin NZCPS and RPS because of the adverse effects they can have on r Consenting an offshore structure is likely to be more challenging recognised as a site of significance for mana whenua and there is structure. Consenting a new structure is likely to be more challenging that a site of Paraparaumu Beach are scheduled in the Natural Resonsites of significance for mana whenua. | |
| | 4 | Enhance - Dune and/or wetland resilience, community education and emergency management AND Protect - Soft Engineering - Dune reconstruction | Protect - Hard Engineering - Sea wall | Retreat | 2 | Coastal restoration and enhancement is encouraged under the any major consenting hurdles in the short term. Soft-engineering in the short term will have some consenting realigned with the current statutory framework. Hard-engineering in the long term will have some consenting read-engineering approaches trigger more stringent consenting NZCPS and RPS because of the adverse effects they can have on read-engineering a new structure is likely to be more challenging that If managed retreat is done well, it should have limited (or posite Currently there is no national direction or precedent on how to likely to be rectified prior to be required. Managed retreat currently requires regional and district plan compared to the structure of the structure | |

Risk values

the present regulatory framework and will not face

ne consenting requirements and may be k.

the present regulatory framework and will not face

me consenting requirements and may be

g requirements and may be challenged.

iting requirements and are discouraged under the on the environment.

than upgrading an existing structure.

the present regulatory framework and will not face

me consenting requirements and may be k.

g requirements and may be challenged.

iting requirements and are discouraged under the on the environment.

ging than a sea wall as the whole coast is

e is greater uncertainty in the effects of the

than upgrading an existing structure. esources Plan for the Wellington Region as having

the present regulatory framework and will not face

g requirements and may be challenged but is

g requirements and may be challenged.

iting requirements and are discouraged under the on the environment.

than upgrading an existing structure.

ositive) effects on the environment.

to undertake managed retreat however, this is

changes to implement.

| Paraparaumu Unit 8A | 5 | Protect - Hard Engineering - Sea wall | Protect - Hard Engineering - Sea wall | Retreat | 2 | Hard-engineering in the long term will have some consenting Hard-engineering approaches trigger more stringent consention NZCPS and RPS because of the adverse effects they can have or Consenting a new structure is likely to be more challenging the If managed retreat is done well, it should have limited (or possible of the currently there is no national direction or precedent on how the likely to be rectified prior to be required. Managed retreat currently requires regional and district plan |
|---------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 6 | Enhance - Dune and/or wetland resilience, community education and emergency management AND Protect - Soft Engineering - Dune reconstruction | Retreat | Retreat | 2 | Coastal restoration and enhancement is encouraged under thany major consenting hurdles in the short term. Soft-engineering in the short term will have some consenting aligned with the current statutory framework. If managed retreat is done well, it should have limited (or post Currently there is no national direction or precedent on how managed retreat more challenging in the medium term. Managed retreat currently requires regional and district plan |

g requirements and may be challenged. ting requirements and are discouraged under the n the environment.

han upgrading an existing structure.

sitive) effects on the environment.

to undertake managed retreat however, this is

h changes to implement.

he present regulatory framework and will not face

g requirements and may be challenged but is

sitive) effects on the environment. to undertake managed retreat this could make

h changes to implement.

| 1 | Status Quo AND Community Education and Emergency Management | Status Quo AND Community Education and Emergency Management | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | 5 | • Coastal restoration and enhancement is encouraged under t any major consenting hurdles in the short term. |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | Status Quo AND Community Education and Emergency Management | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Protect - Additional Hard Protection (e.g. stopbanks, culverts and pump stations) | 2 | Coastal restoration and enhancement is encouraged under t any major consenting hurdles in the short term. Stopbank, floodgates, pump station and culverts trigger the depending on location. Hard-engineering in the long term will have some consenting Consenting a new structure is likely to be more challenging t |
| 3 | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Accommodate - Elevate floor levels of buildings and flood proofing buildings and infrastructure | 5 | Coastal restoration and enhancement is encouraged under t any major consenting hurdles in the short term. Elevating buildings and flood proofing will have building consequirements. Given the anticipated timeframe of this action t buildings. Consenting hurdles are not anticipated. |
| 4 | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Accommodate - Elevate floor levels of buildings and flood proofing buildings and infrastructure | Retreat | 3 | Coastal restoration and enhancement is encouraged under t any major consenting hurdles in the short term. Elevating buildings and flood proofing will have building consequirements. Given the anticipated timeframe of this action t buildings. Consenting hurdles are not anticipated. If managed retreat is done well, it should have limited (or possible of the currently there is no national direction or precedent on how likely to be rectified prior to be required. Managed retreat currently requires regional and district plan |

Paraparaumu Unit 8B

the present regulatory framework and will not face

the present regulatory framework and will not face

NPS-FM and NES-F and may trigger the NZCPS

ng requirements and may be challenged. than upgrading an existing structure.

the present regulatory framework and will not face

nsent (and possibly resource consent) this may occur naturally with the turnover of

the present regulatory framework and will not face

isent (and possibly resource consent) this may occur naturally with the turnover of

ositive) effects on the environment. v to undertake managed retreat however, this is

n changes to implement.

| Paraparaumu Unit 8B | 5 | Enhance - Enhance existing inundation protection, dune and/or wetland resilience, and community education and emergency management | Protect - Additional Hard Protection (e.g. stopbanks, culverts and pump stations) | Retreat | 2 | Coastal restoration and enhancement is encouraged under the any major consenting hurdles in the short term. Elevating buildings and flood proofing will have building conserequirements. Given the anticipated timeframe of this action the buildings. Consenting hurdles are not anticipated. Stopbank, floodgates, pump station and culverts trigger the N depending on location. Hard-engineering in the long term will have some consenting Consenting a new structure is likely to be more challenging the If managed retreat is done well, it should have limited (or positive) to be rectified prior to be required. Managed retreat currently requires regional and district plan of the structure is plane. |
|---------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|---------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

e present regulatory framework and will not face

- ent (and possibly resource consent) nis may occur naturally with the turnover of
- NPS-FM and NES-F and may trigger the NZCPS
- requirements and may be challenged.
- nan upgrading an existing structure.
- sitive) effects on the environment.
- to undertake managed retreat however, this is

changes to implement.