

REPORTS

ST CLAIR BEACH - TIMBER GROYNE

Department: Transport

REASONS FOR CONFIDENTIALITY

- Grounds: S48(1)(a) - The public conduct of the part of the meeting would be likely to result in the disclosure of information for which good reason for withholding exists under section 7.
- Reason: S7(2)(g) - The withholding of the information is necessary to maintain legal professional privilege.

EXECUTIVE SUMMARY

- 1 This report assesses the costs and timeframes for reinstating the St Clair groyne (potentially on a trial basis) as requested by Council on 8 November 2022.
- 2 Capital costs for reinstating the St Clair groyne are estimated to be \$320,000 with ongoing operating costs of up to \$110,000 per year.

RECOMMENDATIONS

That the Council:

- a) **Notes:** the report on the likely cost and potential timeframes for reinstating the St Clair Groyne, potentially on a trial basis.

BACKGROUND

- 5 On 8 November 2022 the Council approved a motion as follows:

Moved (Mayor Jules Radich/Cr Lee Vandervis):

That the Council:

- a) **Requests** an urgent report on the cost and time frames for reinstating the St Clair Groyne potentially on a trial basis.

Division

The Council voted by division:

For: Crs Bill Acklin, Sophie Barker, Kevin Gilbert, Carmen Houlahan, Cherry Lucas, Mandy Mayhem, Jim O'Malley, Lee Vandervis, Brent Weatherall, Andrew Whiley and Mayor Jules Radich (11).

Against: Crs David Benson-Pope, Christine Garey, Marie Laufiso and Steve Walker (4).

Abstained: Nil

The division was declared CARRIED by 11 votes to 4

Motion carried (CNL/2022/090)

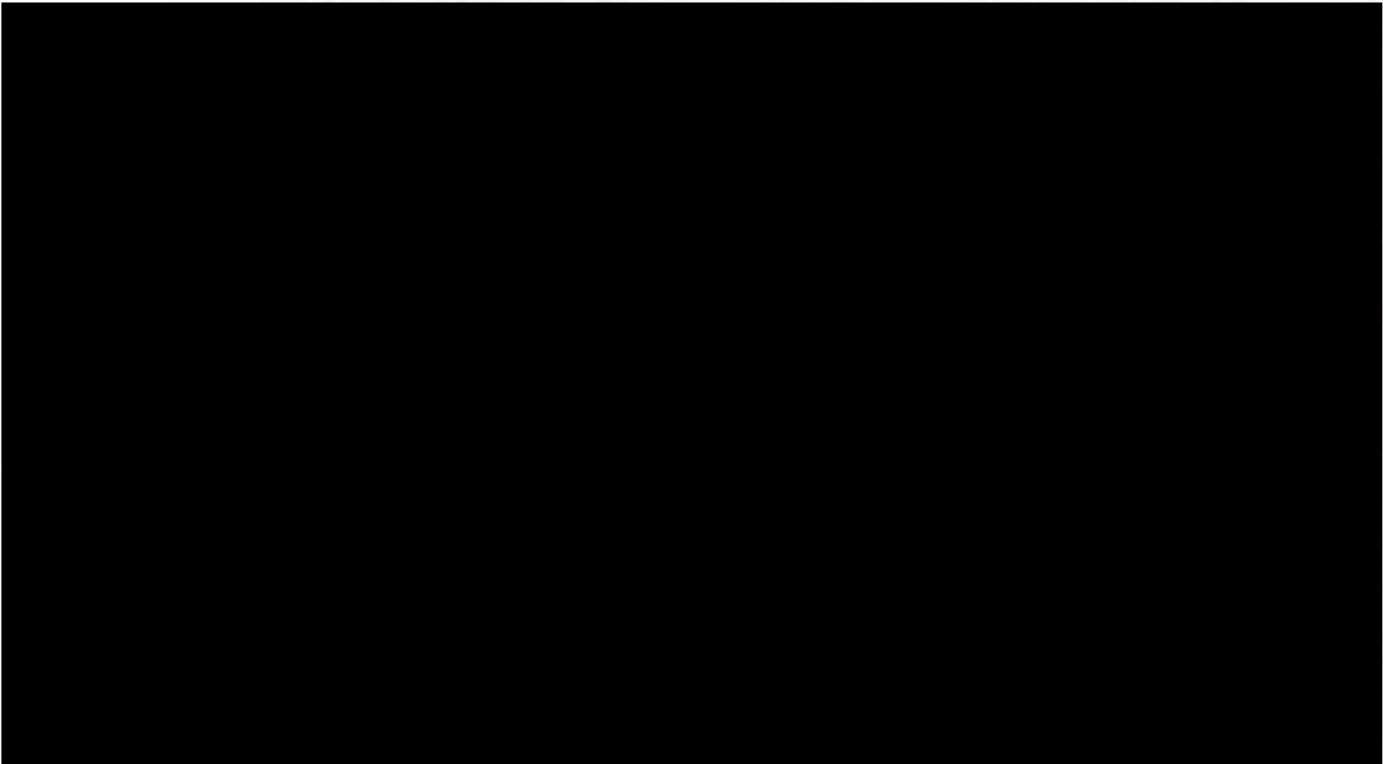
- 6 This report responds to this notice of motion of Council and provides information about possible consenting options and costs, reinstatement costs (both operating and capital) and possible timeframes.

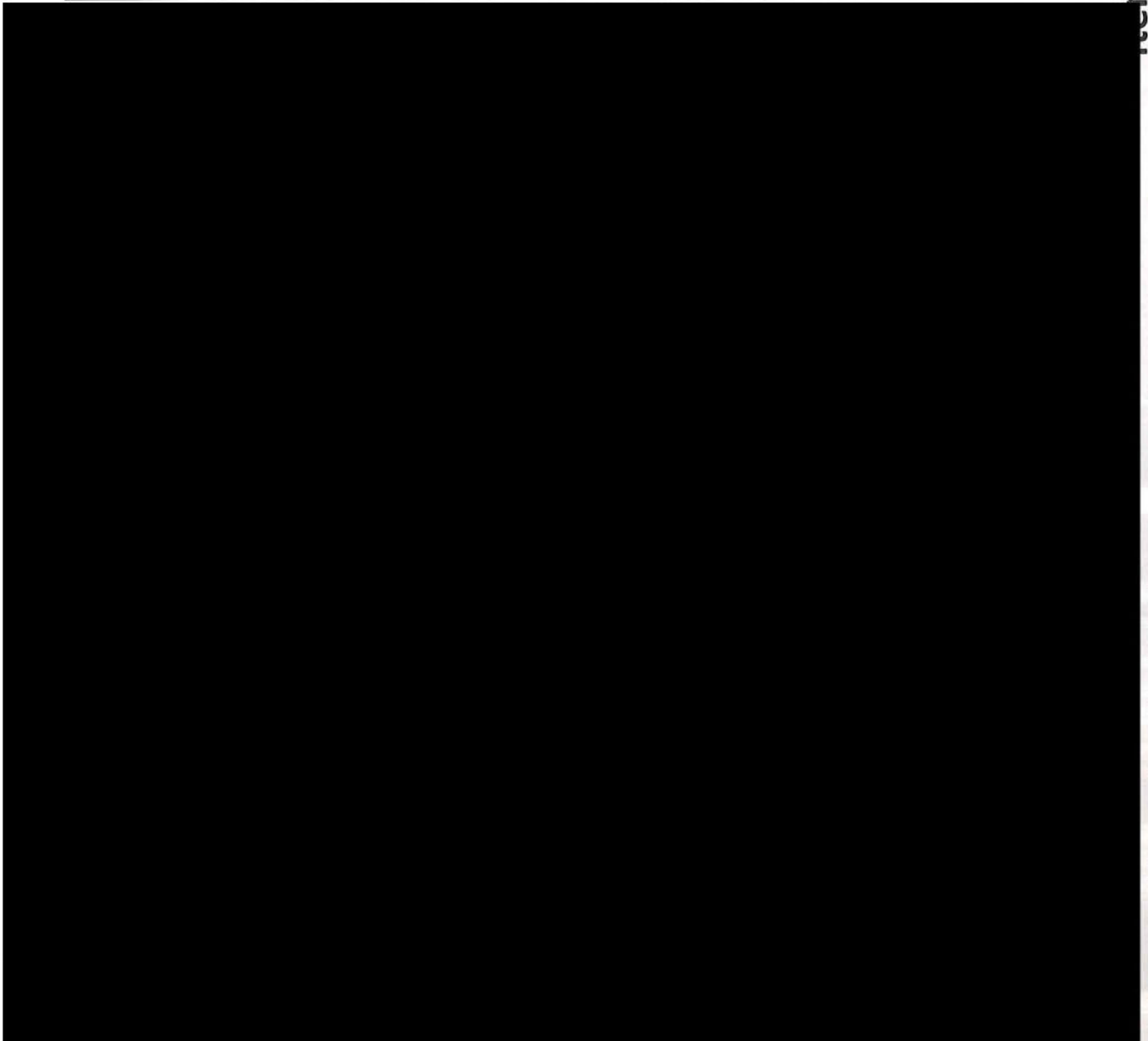
DISCUSSION

- 8 This report presents the cost estimate to reinstate the groyne at St Clair. The cost estimate has been developed using the original 1919 design drawings, which shows a single row of piles. This drawing is included as Attachment B. This report then considers what consents may be required to rebuild the structure.

Cost estimate to reinstatement the structure

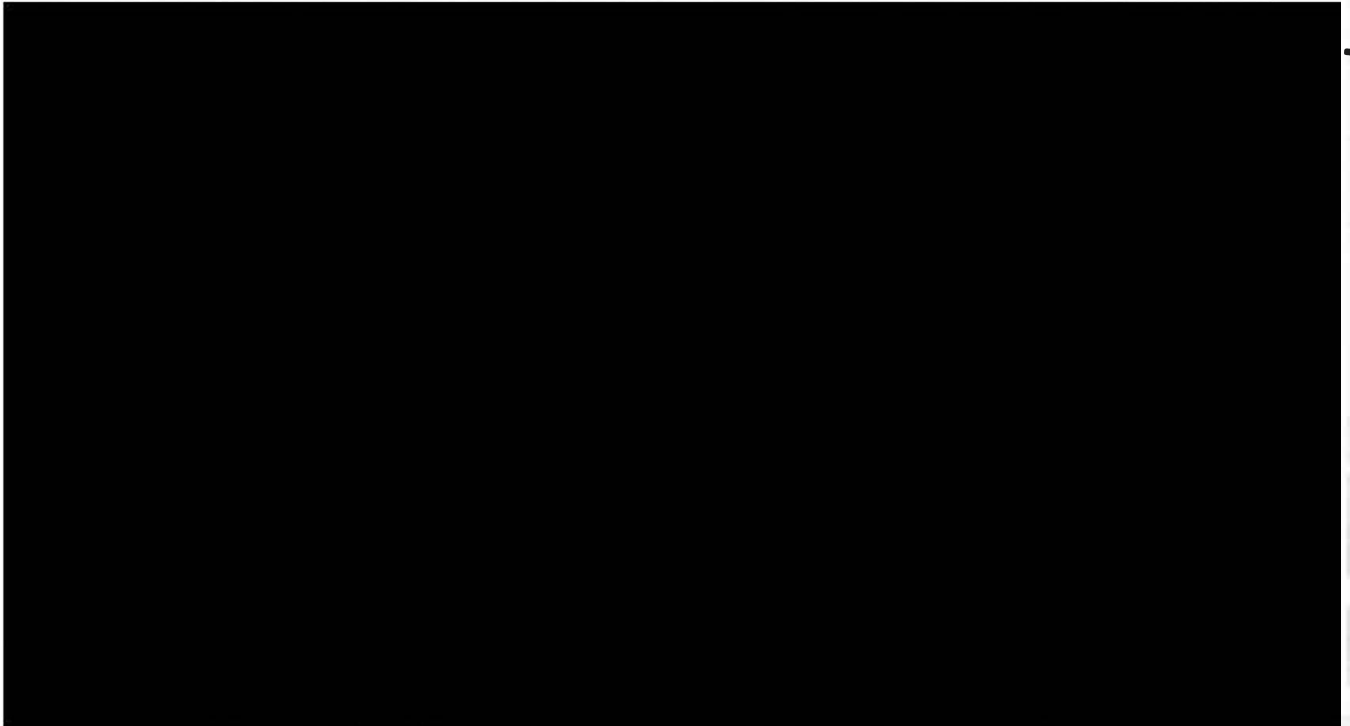
- 9 Cost estimates are based on the drawing by the Dunedin City Engineer, dated 1919, and provided in Attachment B. Construction involves:
- Operational and site safety management,
 - Establish site, delivery and storage of materials on site and demobilisation,
 - Hardwood timber piles and walers,

- Steel pile shoes and top rings,
 - Setup and drive piles, and,
 - Position, drill and fit/ bolt walers.
- 10 Reinstating the St Clair groyne would require both capital cost and operational cost budgets.
- 11 The estimated capital construction cost for a groyne is \$320,000. This estimate is based on a single row of piles, constructed during low tides in summer when the sand level is at its highest. Construction at any other time would involve a change of methodology and cost.
- 12 Construction materials have an expected lead-time of 3 months. This is due to the assumed supply of hardwood timber requiring shipping from Australia and the fabrication of steel fixtures.
- 13 The operational cost of ongoing monitoring and maintenance repairs are expected to be up to \$50,000 per year. This will cover:
- Maintenance inspections,
 - Potential additional row of walers when the sand level drops below the 'summer' level, and,
 - Repair and replacement of walers and fixings.
- 14 Monitoring work to assess effectiveness of a groyne would be required if it was installed as a trial. The monitoring data would be required to support a potential future consent.
- 15 Any monitoring programme would need to assess the effectiveness of the structure and whether the groyne is having a positive or negative impact on the coast. Monitoring could also inform the St Clair-St Kilda Coastal Plan. This monitoring programme is estimated to cost \$60,000 per year. Allowance has been made for aerial surveys, CoastSnap data analysis, and bathymetry surveys.
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Summary of Cost

- 27 The estimated capital cost for reinstating the St Clair groyne is \$320,000.
- 28 The estimated operating costs to support the reinstatement of the St Clair Groyne is up to \$110,000 per year.
- 29 
- 30 If it is decided that the St Clair groyne is to be reinstated, the cost could have budgetary impacts for existing work programmes such as the St Clair – St Kilda Coastal Plan.
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OPTIONS

33 Not applicable.

NEXT STEPS

34 If Council decides to proceed with the reinstatement of the St Clair groyne [REDACTED]
[REDACTED] Council will need to consider adding additional budget during the
Annual Plan and/or defer work on the of Whakahekerau – Rakiātea Rautaki Tai, St Clair – St Kilda
Coastal Plan.

Signatories

Author:	Ben Hogan - Transport Delivery Manager
Authoriser:	Simon Drew - General Manager Infrastructure and Development

Attachments

	Title		Page
A	[REDACTED]	Withheld	[REDACTED]
B	Groyne Design 1919		20

SUMMARY OF CONSIDERATIONS

Fit with purpose of Local Government

This decision enables democratic local decision making and action by, and on behalf of communities. This decision promotes the social and economic well-being of communities in the present and for the future.

Fit with strategic framework

	Contributes	Detracts	Not applicable
Social Wellbeing Strategy	☐	☐	☒
Economic Development Strategy	☐	☐	☒
Environment Strategy	☒	☐	☐
Arts and Culture Strategy	☐	☐	☒
3 Waters Strategy	☐	☐	☒
Spatial Plan	☒	☐	☐
Integrated Transport Strategy	☐	☐	☒
Parks and Recreation Strategy	☒	☐	☐
Other strategic projects/policies/plans	☒	☐	☐

The decision has the potential to contribute to DCC's Environment Strategy, Parks and Recreation Strategy, Spatial Plan and St Clair-St Kilda Coastal Plan.

Māori Impact Statement



Sustainability

Implications for sustainability are dependent on the decision of Council.

LTP/Annual Plan / Financial Strategy /Infrastructure Strategy

The St Clair groyne reinstatement is not currently budgeted for.

Financial considerations



Significance

The decision is considered 'of low' in terms of Council's Significance and Engagement Policy.

Engagement – external

There has been no external engagement.

Engagement - internal

Internal engagement has been undertaken with legal and coastal staff.

Risks: Legal / Health and Safety etc.

There are no identified risks.

SUMMARY OF CONSIDERATIONS

Conflict of Interest

There are no known conflicts of interest.

Community Boards

St Clair beach is of interest to the wider community including those areas covered by Community Boards.

