

Healthy Coorong, Healthy Basin

Coorong Infrastructure Investigations
Draft Feasibility Assessment Report Consultation | February 2022

Coorong Infrastructure Investigations Project Overview

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Australian Government



Government of
South Australia

Project Coorong

Bringing new life
to a national icon

Environmental Projects

*Our Coorong |
Our Coast*

*Healthy Coorong,
Healthy Basin*

Visitor Experience

Nature-Based
Tourism

Park Activation

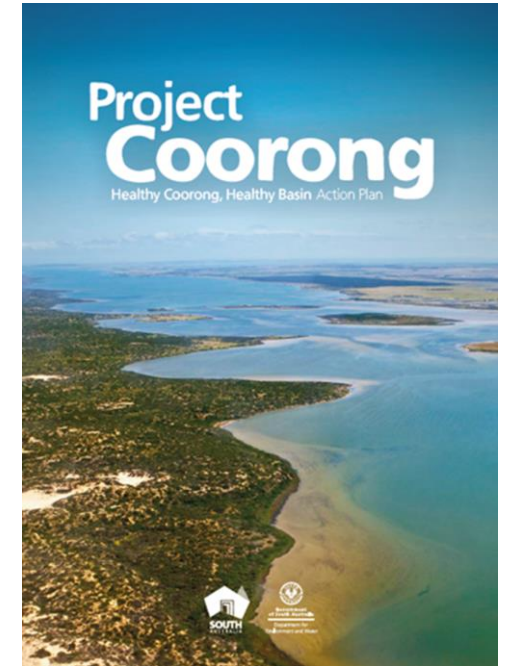
Policy & Management

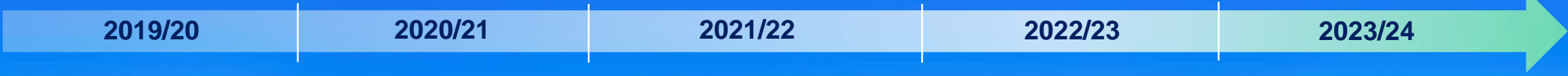
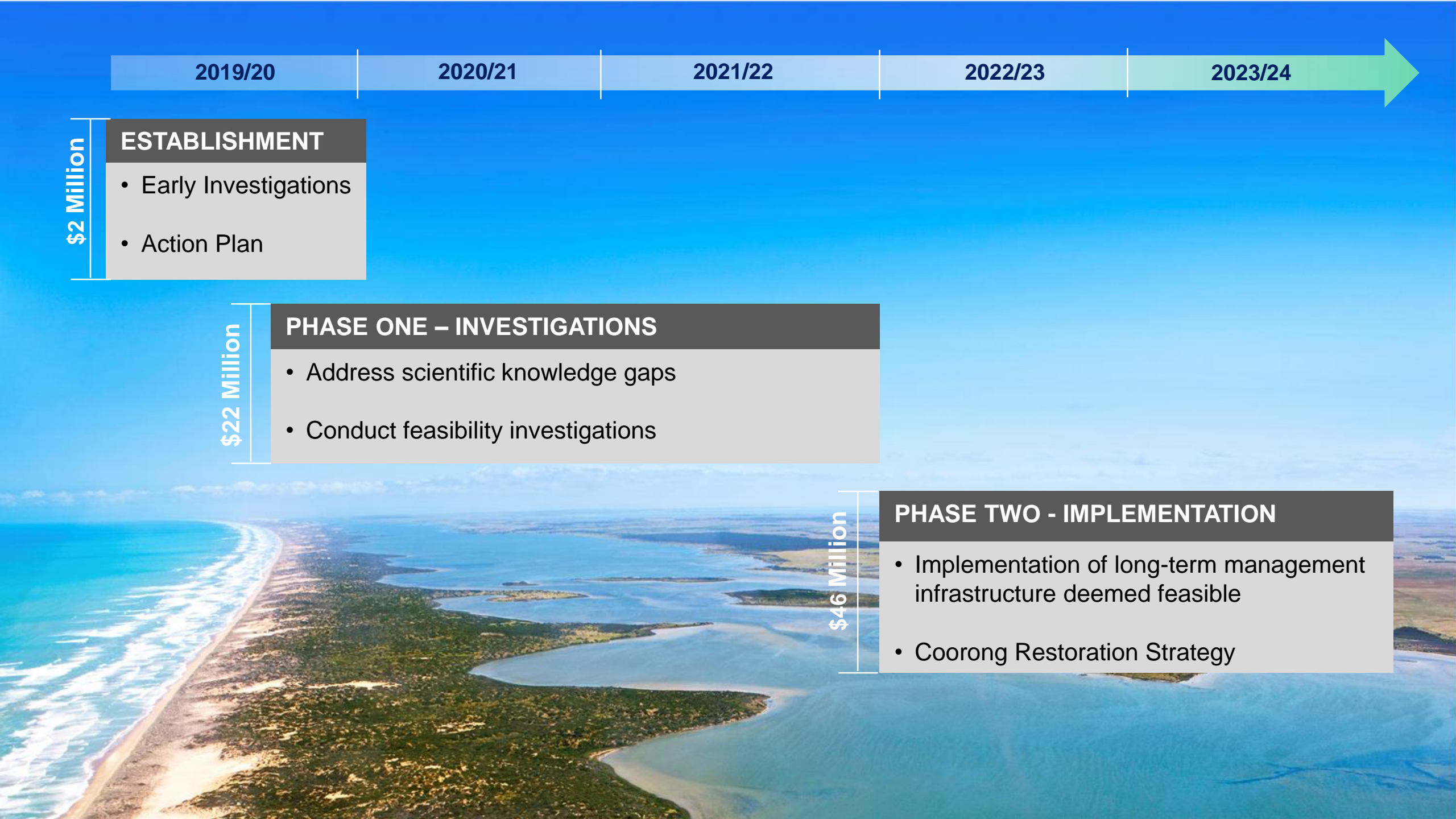
Ecological
Character
Description

Ramsar
Management Plan

Healthy Coorong, Healthy Basin

- Supporting the environmental health of the Coorong, with a focus on the South Lagoon.
- Engaging communities and First Nations to shape and guide feasibility studies and implementation.





\$2 Million

ESTABLISHMENT

- Early Investigations
- Action Plan

\$22 Million

PHASE ONE – INVESTIGATIONS

- Address scientific knowledge gaps
- Conduct feasibility investigations

\$46 Million

PHASE TWO - IMPLEMENTATION

- Implementation of long-term management infrastructure deemed feasible
- Coorong Restoration Strategy

Coorong Infrastructure Investigations

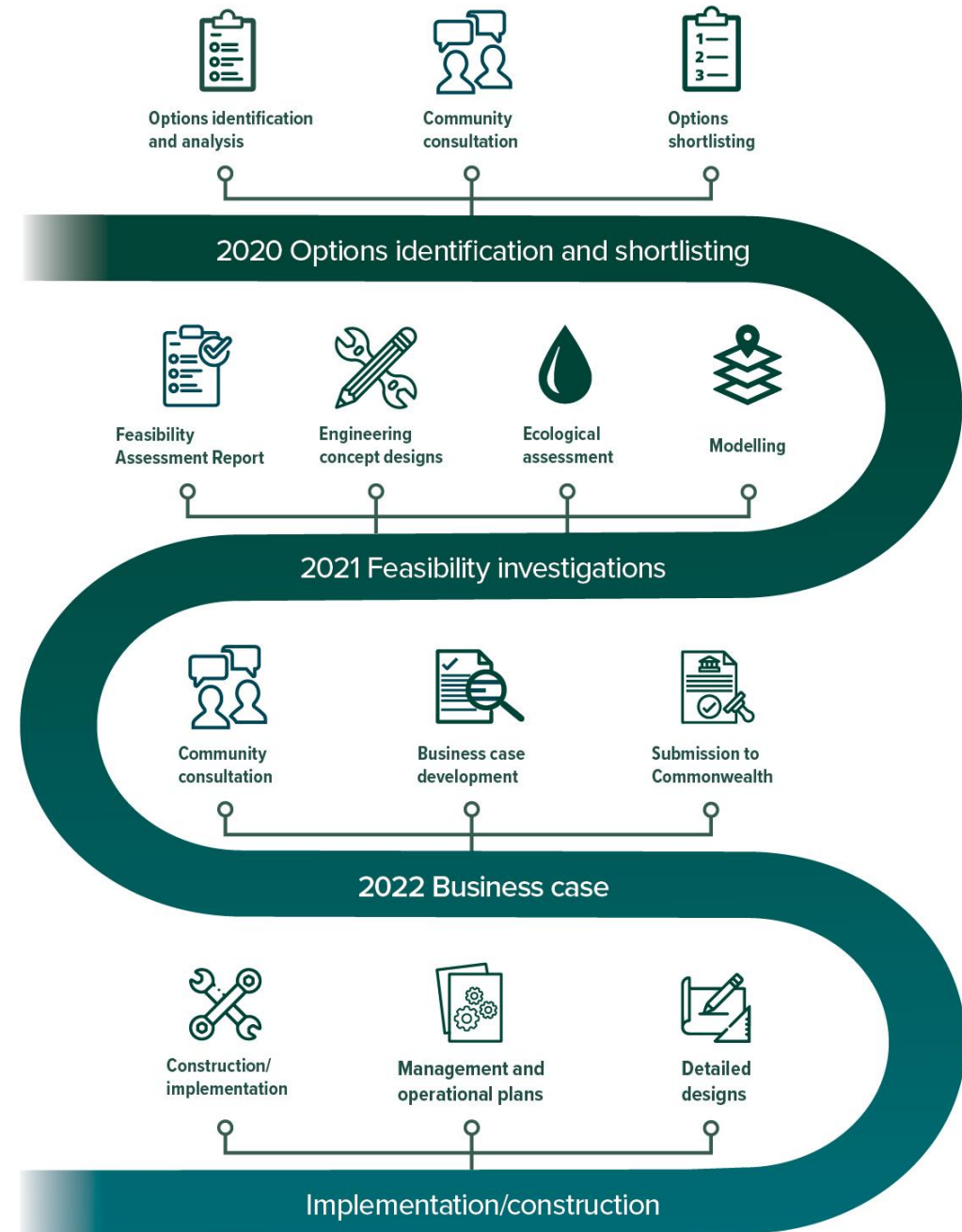
*Investigating the feasibility of long-term infrastructure options
for improving the ecological health of the Coorong*



Coorong Infrastructure Investigations

- Community feedback to progress:

*“the option/s that best contribute to improving the **ecology of the South Lagoon** as determined by **scientific evidence**, given **water availability and constraints**.”*



Shortlisted Options

- Additional automated barrage gates
- Lake Albert to Coorong Connector
- Coorong Lagoon dredging to improve connectivity
- A connection between the Coorong South Lagoon and Southern Ocean
- Further augmentation of South East Flows to the Coorong



2021 Feasibility Investigations

- Hydrodynamic, biogeochemical and ecological modelling
- Ecological assessments and analyses
- Cultural heritage surveys
- Engineering technical feasibility assessments
- Concept designs
- Preliminary socio-economic assessments
- Capital and operating and maintenance cost estimates
- Community engagement
- Multi-criteria analysis

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PROCEED TO ENGINEERING CONCEPT DESIGN

ENGINEERING CONCEPTS (13 concepts)

A connection between the Coorong South Lagoon and Southern Ocean

- ◆ Pump out (jetty discharge)
- ◆ Pump out (low visual impact discharge)
- ◆ Pump in or out (separate pumping stations)
- ◆ Pump in or out (one common pumping station)
- ◆ Circulation (pump in and out) (jetty discharge)
- ◆ Circulation (pump in and out) (low visual impact discharge)
- ◆ Passive Southern Ocean connector

Coorong Lagoon dredging to improve connectivity

- ◆ Pump out (jetty discharge) + dredge Parnka Point
- ◆ Pump out (low visual impact discharge) + dredge Parnka Point
- ◆ Passive Lake Albert connector channel + dredge Parnka Point
- ◆ Passive piped Lake Albert connector + dredge Parnka Point

Lake Albert to Coorong Connector

- ◆ Passive Lake Albert connector channel
- ◆ Passive piped Lake Albert connector

The South Australian Government's
Healthy Coorong, Healthy Basin Program
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South Australian governments.



Australian Government



Government of
South Australia