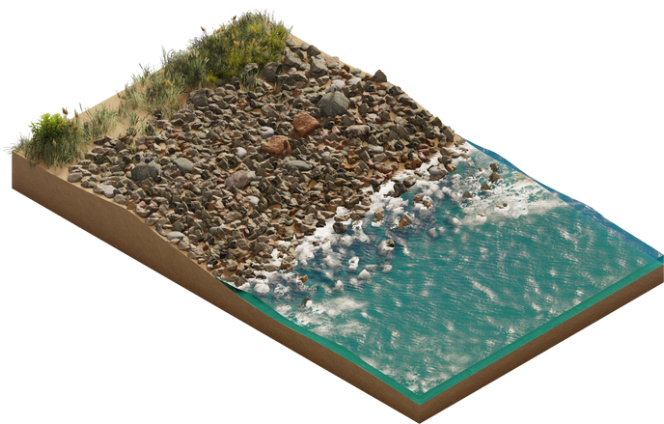


# Cobble Berms

A nature-based approach for coastal resilience

## What is a cobble berm?

A cobble berm consists of cobble sized sediment typically constructed at the base of a coastal bank or dune, designed to complement the natural system, absorb wave energy, and reduce erosion.



Cobble berms are intended to mimic the natural conditions at a beach, and enhance the natural ability of the beach to protect itself.

## Why use a cobble berm?

Cobble berms provide many benefits:

- Flexible and adaptable coastal protection
- Potential habitat for native plant and animal species
- Low-cost maintenance
- Preservation of coastline aesthetics

## What is a cobble?



A small, round stone usually between four and ten inches wide. Think “lemons to melons!”

## A dynamic system

Coasts are constantly changing systems, shifting and moving over months, seasons, and years. Cobble berms are designed to move and shift with the coastline, responding to storms and waves.

## Key Considerations

Cobble berms need to be carefully designed! Be sure to consider:

- Wave energy and tide levels
- Existing grain size and beach composition
- Nearby natural resources
- Slopes, widths, and elevations of the berm design

For more information see the **“Top 10 Considerations”** factsheet.