

Omaro Spit Erosion Reversal Project Costs

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	Low	High
WRC Resource Consent	1,000	5,000
Sand push-up (Blackler)	18,000	30,000
Geofabrics Sand Pillows	25,200	25,200
Equipment hire	6,600	6,600
Bag filling	23,730	23,730
Plant supply	10,400	20,000
Consultant	14,375	15,625
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	99,305	126,155
GST	14,896	18,923
GST inclusive costs	\$ 114,201	\$ 145,078
3rd Groyne		
Geofabrics Sand Pillows	12,600	12,600
Bag filling	11,865	11,865
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	24,465	24,465
GST	3,670	3,670
GST inclusive costs of 3rd groyne	28,135	28,135
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GST inclusive costs with 3rd groyne	\$ 142,336	\$ 173,213

WRC RESOURCE CONSENT (RC) APPROVAL COSTS:

Resource Consent (initial) Application fees: **\$1,000 + GST**

These costs may increase as the RC is taken through its later stages.

SAND MOVEMENT REQUIRED (sand push-ups) range between the estimates below - Ray Blackler

- These estimates necessarily vary and will depend solely upon the volumes of sand returning to the eroded beach by natural summer calm weather processes.

Sand push-ups are estimated to require between 3,000m³ - 5,000m³

At the very competitive cost of \$6/m³, these works are estimated to cost between \$18,000 - \$30,000 (+ GST)

GEOFABRICS NZ SAND PILLOW SUPPLY COSTS: Geofabrics NZ Ltd.

28 normal bags @ \$550ea = \$15,400
14 self-healing bags @ \$700ea = \$9,800
TOTAL BAG Purchase costs = **\$25,200 (+ GST) for ELCOROCK materials only**

Extra 3RD groyne (if required)
14 normal bags @ \$550ea = \$7,700
7 self-healing bags @ \$700ea = \$4,900
TOTAL EXTRA BAG Purchase = **\$12,600 (+ GST) for ELCOROCK materials only (if deemed necessary)**

FILLING COSTS PER SAND PILLOW BAG: \$565 (+ GST) - Ray Blackler

42 bags total planned for the two currently suggested groynes: 42 x \$565 = \$23,730
+ cost of bag filling equipment transport (from Silverdale) = \$2,600
+ cost of hire for the bag filling equipment = **\$4,000**
TOTAL Geotextile bag filling costs = \$30,330 + GST

Plus extra bag filling for possible 3RD groyne (if required)
21 extra bags x \$565 = **\$11,865 + GST**

PLANT SUPPLY COSTS: Coastlands Native Plant Nursery

The quote from the nursery for 4,000 spinifex + hinarepe + mid-dune plants incl. delivery totalled: **\$10,400 + GST**
NOTE: plus supply of controlled release fertiliser. These total plant related costs will be lower than the estimate in the report, of **\$16,000 + GST** total

All these vendors will charge their costs separately, so locals will gain these necessary inputs without any additional 'handling fees' or mark-ups.

GREG JENKS PROPOSAL PREPARATION and SUPERVISION EXPENSES:

Project planning and proposal preparation time to date: 85hrs

Future Project Management costs (estimate): 30-40hrs (depending on complexity of RC approval)

Total planning + management (estimate): 115-125hrs

This time allocation equates to \$14,375-\$15,625 (@\$125/hr) (Nil GST)

Note: normal charge costs are \$150/hr, but that rate is reduced to \$125/hr for community-good projects, such as restoration of Ōmaro Spit, instigated by and engaging with the wider Matarangi community.