

seawall options - illustrative renders

Central Coast Council Wamberal Lagoon to Terrigal Lagoon, Wamberal



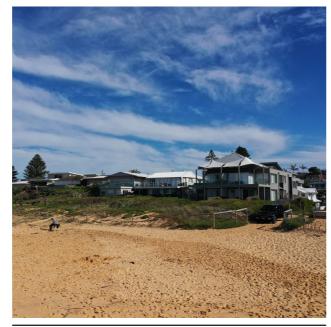


1



EXTENTS - GENERAL EXTENTS DIAGRAM

L101 Aerial view existing L102 Aerial view after 2



VIEW 1 - WITH SEAWALL OPTIONS 1301 View 1 existing

L301	View 1 existing
L302	View 1 after - option 1
L303	View 1 after - option 1 full
L304	View 1 after - option 2
L305	View 1 after - option 2 full
L306	View 1 after - option 3&4
L307	View 1 after - option 3&4 full
L308	View 1 after - option 5
L309	View 1 after - option 5 full

3



VIEW 2 - WITH SEAWALL OPTIONS L301 View 2 existing

LJUI	view z existing
L302	View 2 after - option 1
L303	View 2 after - option 1 full
L304	View 2 after - option 2
L305	View 2 after - option 2 full
L306	View 2 after - option 3&4
L307	View 2 after - option 3&4 full
L308	View 2 after - option 5
L309	View 2 after - option 5 full

4



VIEW 3	- WITH SEAWALL OPTIONS
L401	View 3 existing
L402	View 3 after - option 1
L403	View 3 after - option 1 full
L404	View 3 after - option 2
L405	View 3 after - option 2 full
L406	View 3 after - option 3&4
L407	View 3 after - option 3&4 full
L408	View 3 after - option 5
L409	View 3 after - option 5 full



aerial view existing L101 wamberal seawall renders

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021



(Nearmap, 2021)

AERIAL VIEW SHOWING THE FORM AND EXTENT OF THE EXISTING BEACH



WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL

CENTRAL COAST COUNCIL

JOB NUMBER: PHASE: DWG No: REV: **13597.5 L101 A**



aerial view after L102

wamberal seawall renders

EXTENTS General extents diagram

SEAWALL CREST LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

THE SEAWALL WILL BE VISIBLE ALONG THE NARROWER SECTIONS OF BEACH. MODERATE STORMS MAY WASH AWAY SOME SAND

THE RISING DUNE ELEVATION AND WIDER BEACH WIDTH AROUND THE NORTHERN EXTENTS WILL ALMOST COVER THE SEA WALL THESE LOCATIONS





WAMBERAL COASTAL PROTECTION **SEAWALL CONCEPT OPTIONS**

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL

CENTRAL COAST COUNCIL

13597.5

L102 A





view 1 existing L201

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021



existing site - viewing location (Nearmap, 2021)



A 02/07/2021 ISSUE TO CLIEN draft 18/06/2021 DRAFT ISSUE

PROJECT:

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL

CENTRAL COAST COUNCIL

SWR/YK 02

DATE: 02/07/2021

JOB NUMBER: PHASE: DWG No: REV: **13597.5 L201 A**



view 1 after L202 wamberal seawall renders

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021

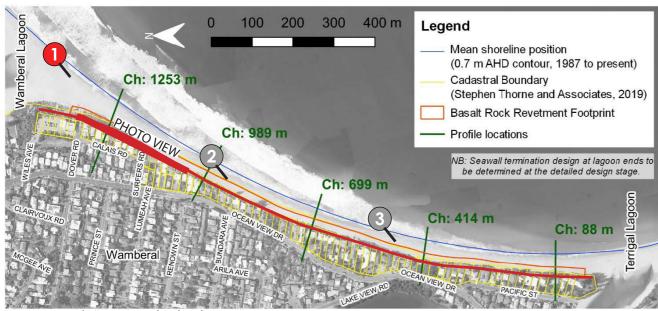


image: concept design option 1 - basalt rock revetment (Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)

OPTION 1 Basalt Rock Revetment

SEAWALL CREST LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

BURIED WALL DUE TO DUNE LEVELS



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PROJECT:

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

ITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CIJENT:

CENTRAL COAST COUNCIL

DRAWN: D. SWR/YK 0:

02/07/2021

13597.5 L202 A





view 1 after L204

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021

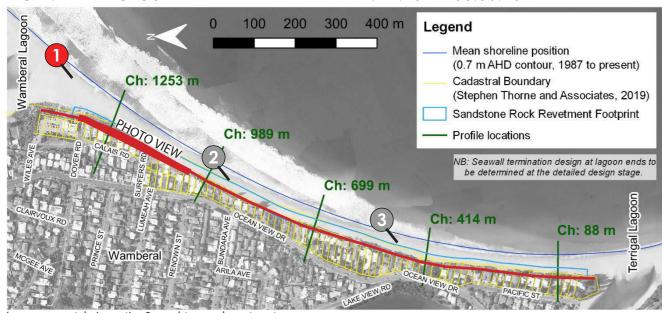


image: concept design option 2 - sandstone rock revetment (Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)

OPTION 2 Sandstone Rock Revetment

SEAWALL CREST LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

I BURIED WALL DUE TO DUNE LEVELS



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PROJECT:

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CIJENT:

CENTRAL COAST COUNCIL

DRAWN: D. SWR/YK 0:

DATE: 02/07/2021

L204 A

13597.5





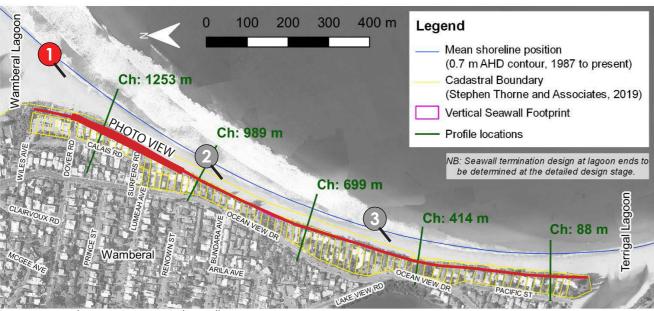


image: concept design option 3 - vertical seawall (Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)



OPTION 3&4 Vertical Seawall

SEAWALL CREST LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.



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PROJECT:

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CUIENT:

CENTRAL COAST COUNCIL

DRAWN: D. SWR/YK 0:

DATE: 02/07/2021

13597.5

L206 A





view 1 after L208 wamberal seawall renders

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021

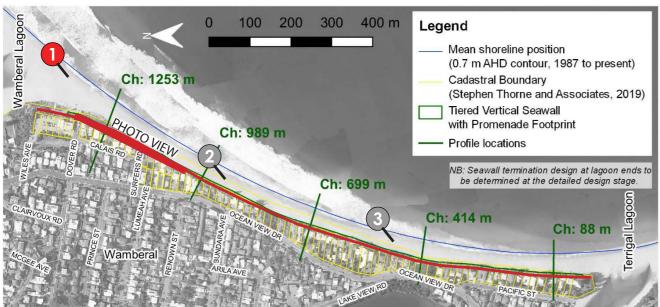


image: concept design option 5 - tiered vertical seawall with promenade (Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)

OPTION 5 Tiered Vertical Seawall with Promenade

SEAWALL CREST (AND PROMENADE) LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

TIMBER WALKWAY SITUATED WITHIN DUNE SWALE



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PROJECT:

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CIJENT:

CENTRAL COAST COUNCIL

DRAWN: E SWR/YK C

02/07/2021

13597.5

L208 A







view 2 existing L301

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021



(Nearmap, 2021)

EXISTING SITE CONDITION



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PROJECT:

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL

CENTRAL COAST COUNCIL

DRAWN: SWR/YK

DATE: 02/07/2021

JOB NUMBER: **13597.5**

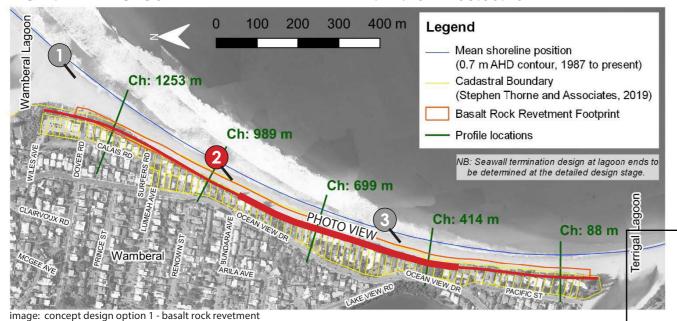
PHASE: DWG No: REV:



view 2 after L302

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021

(Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)



OPTION 1
Basalt Rock Revetment

SEAWALL CREST LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

STAIRCASE AND PUBLIC ACCESS WAY

CONCRETE WAVE DEFLECTOR TO TOP OF ROCK

SAND LEVELS AT BASE OF STRUCTURE SUBJECT TO BEACH CONDITIONS AND ADOPTED SAND NOURISHMENT



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PROJECT:

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

ITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CILENT:

CENTRAL COAST COUNCIL

DRAWN: SWR/YK

DATE: 02/07/2021

JOB NUMBER: 13597.5

L302 A





view 2 after L304

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021

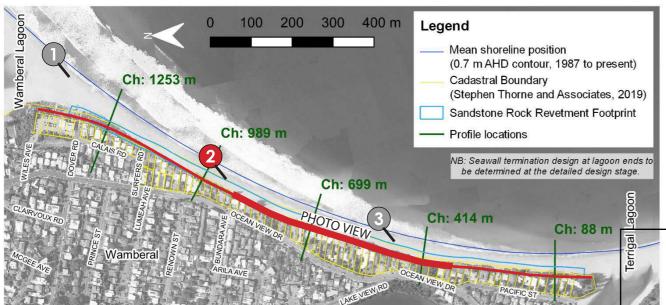


image: concept design option 2 - sandstone rock revetment (Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)

OPTION 2 Sandstone Rock Revetment

SEAWALL CREST LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

STAIRCASE AND PUBLIC ACCESS WAY

SAND LEVELS AT BASE OF STRUCTURE SUBJECT TO BEACH CONDITIONS AND ADOPTED SAND NOURISHMENT DESIGN.



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PROJECT:

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CILENT:

CENTRAL COAST COUNCIL

DRAWN: SWR/YK

DATE: 02/07/2021

13597.5 L304 A

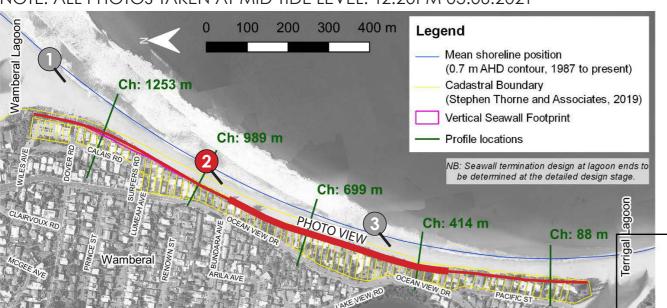


TERRAS.COM.AU PH: 49 294 926 FAX: 49 263 069



(Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)

image: concept design option 3 - vertical seawall



view 2 after L306

OPTION 3&4 Vertical Seawall

SEAWALL CREST LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

STAIRCASE AND PUBLIC ACCESS WAY

SAND LEVELS AT BASE OF STRUCTURE SUBJECT TO BEACH CONDITIONS AND ADOPTED SAND NOURISHMENT

SHADOW ON SAND SHOWN



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PROJECT:

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CILENT:

CENTRAL COAST COUNCIL

DRAWN: SWR/YK

/YK 02/07/202

13597.5 L306 A





view 2 after L308

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021

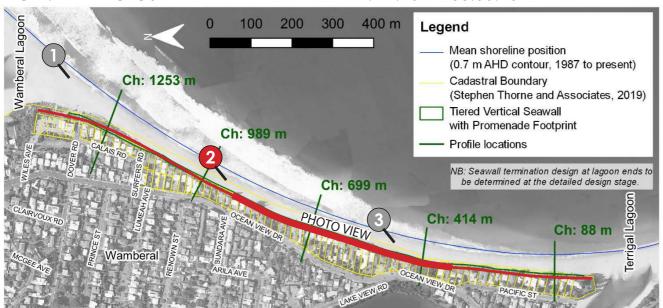


image: concept design option 5 - tiered vertical seawall with promenade (Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)

OPTION 5 Tiered Vertical Seawall with Promenade

ROCK BAG GABION TO BATTER ABOVE

SEAWALL CREST (AND PROMENADE) LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

SAND LEVELS BELOW PROMENADE ARE SUBJECT TO BEACH CONDITIONS AND ADOPTED SAND NOURISHMENT.

DESIGN SPECIFICATIONS SUBJECT TO DETAILED DESIGN AND INCLUDE REFINED CREST/PROMENADE LEVELS, LANDSCAPE DESIGN (INCLUDING PRIVACY CONSIDERATIONS), VIEWING PLATFORMS, SEATING, LIGHTING, SHOWER FACILITIES AND VERTICAL SEAWALL FINISHES/ARTWORKS.



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PROJECT:

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CILENT:

CENTRAL COAST COUNCIL

DRAWN: E

DATE: 02/07/2021

13597.5

L308 A







view 3 existing L401

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021



(Nearmap, 2021)



WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL

CENTRAL COAST COUNCIL

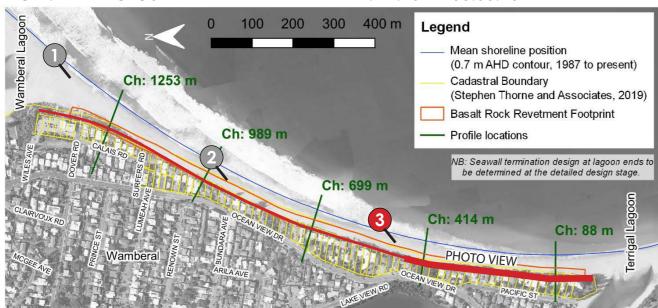
JOB NUMBER: PHASE: DWG NO: REV: **13597.5 L401 A**



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view 3 after L402

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021



(Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)

OPTION 1 Basalt Rock Revetment

SEAWALL CREST LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

STAIRCASE AND PUBLIC ACCESS WAY

SAND LEVELS AT BASE OF STRUCTURE SUBJECT TO BEACH CONDITIONS AND ADOPTED SAND NOURISHMENT DESIGN.



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PROJEC

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CIENT

CENTRAL COAST COUNCIL

DRAWN: SWR/YK

DATE: 02/07/2021

JOB NUMBER: **13597.5**

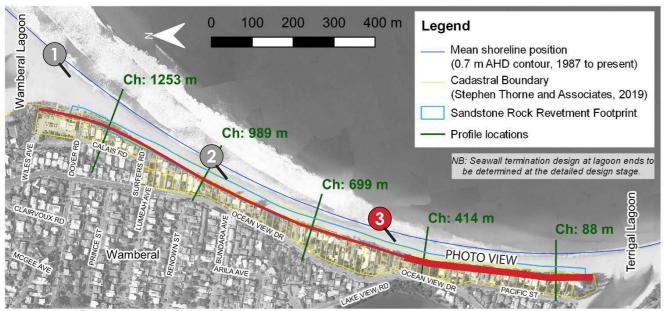
L402 A





view 3 after L404

NOTE: ALL PHOTOS TAKEN AT MID TIDE LEVEL: 12.20PM 03.06.2021



(Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)

OPTION 2 Sandstone Rock Revetment

SEAWALL CREST LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

STAIRCASE AND PUBLIC ACCESS WAY

SAND LEVELS AT BASE OF STRUCTURE SUBJECT TO BEACH CONDITIONS AND ADOPTED SAND NOURISHMENT DESIGN.



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PROJEC

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CIJENT:

CENTRAL COAST COUNCIL

DRAWN: SWR/YK '2021 SC

JOB NUMBER: 13597.5

L404 A





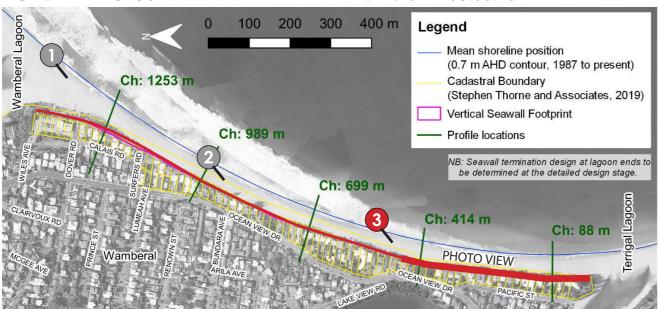


image: concept design option 3 - vertical seawall (Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)

view 3 after L406 wamberal seawall renders

OPTION 3&4 Vertical Seawall

SEAWALL CREST LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

STAIRCASE AND PUBLIC ACCESS WAY

SAND LEVELS AT BASE OF STRUCTURE SUBJECT TO BEACH CONDITIONS AND ADOPTED SAND NOURISHMENT DESIGN.



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PROJEC

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CIJENT:

CENTRAL COAST COUNCIL

DRAWN: SWR/YK

02/07/2021

JOB NUMBER: P

L406 A





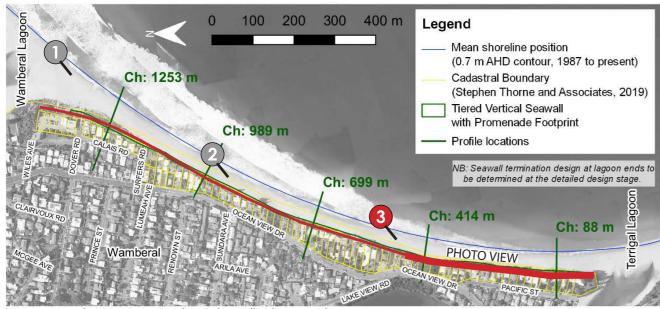


image: concept design option 5 - tiered vertical seawall with promenade (Wamberal Terminal Coastal Protection Assessment, Draft Final Stage 3 - Seawall Concept Design Options, May 2021)

OPTION 5 Tiered Vertical Seawall with Promenade

SEAWALL CREST (AND PROMENADE) LEVELS AND ALIGNMENT ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN.

STAIRCASE AND PUBLIC ACCESS WAY

SAND LEVELS AT BASE OF STRUCTURE SUBJECT TO BEACH CONDITIONS AND ADOPTED SAND NOURISHMENT DESIGN.



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PROJECT:

WAMBERAL COASTAL PROTECTION SEAWALL CONCEPT OPTIONS

SITE:

WAMBERAL LAGOON TO TERRIGAL LAGOON, WAMBERAL CIENT

CENTRAL COAST COUNCIL

DRAWN: SWR/YK : S0 07/2021

JOB NUMBER: **13597.5**

L408 A



