

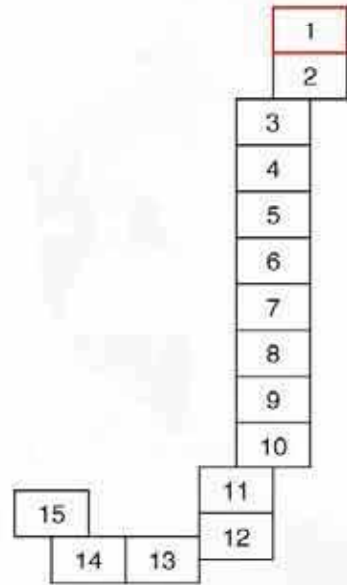
Figure 15A

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Erosion Scenarios

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NOTES				
NO	DATE	DESCRIPTION	BY	STATUS

REV	DATE	DESCRIPTION	BY	STATUS
A3				

SCALE 1 : 50000



DATUM
VERTICAL : AHD

HORIZONTAL : MAP GRID OF AUSTRALIA, BASED ON GDA94



ACTION	NAME	SIGNATURE	DATE
ENGINEER	M. Elst		2018
DRAWN	S. Macfarlane		2018
ENGINEERING CHECK			
CARTOGRAPHY CHECK			
APPROVED PROJECT MGR			

Damara WA Pty Ltd

BebbCart

Marine, Coastal & Topographic Mapping
Civil Engineering

PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESSMENTS
EROSION ASSESSMENT

DRAWING NUMBER SC - 2350 - 3 - 1 A

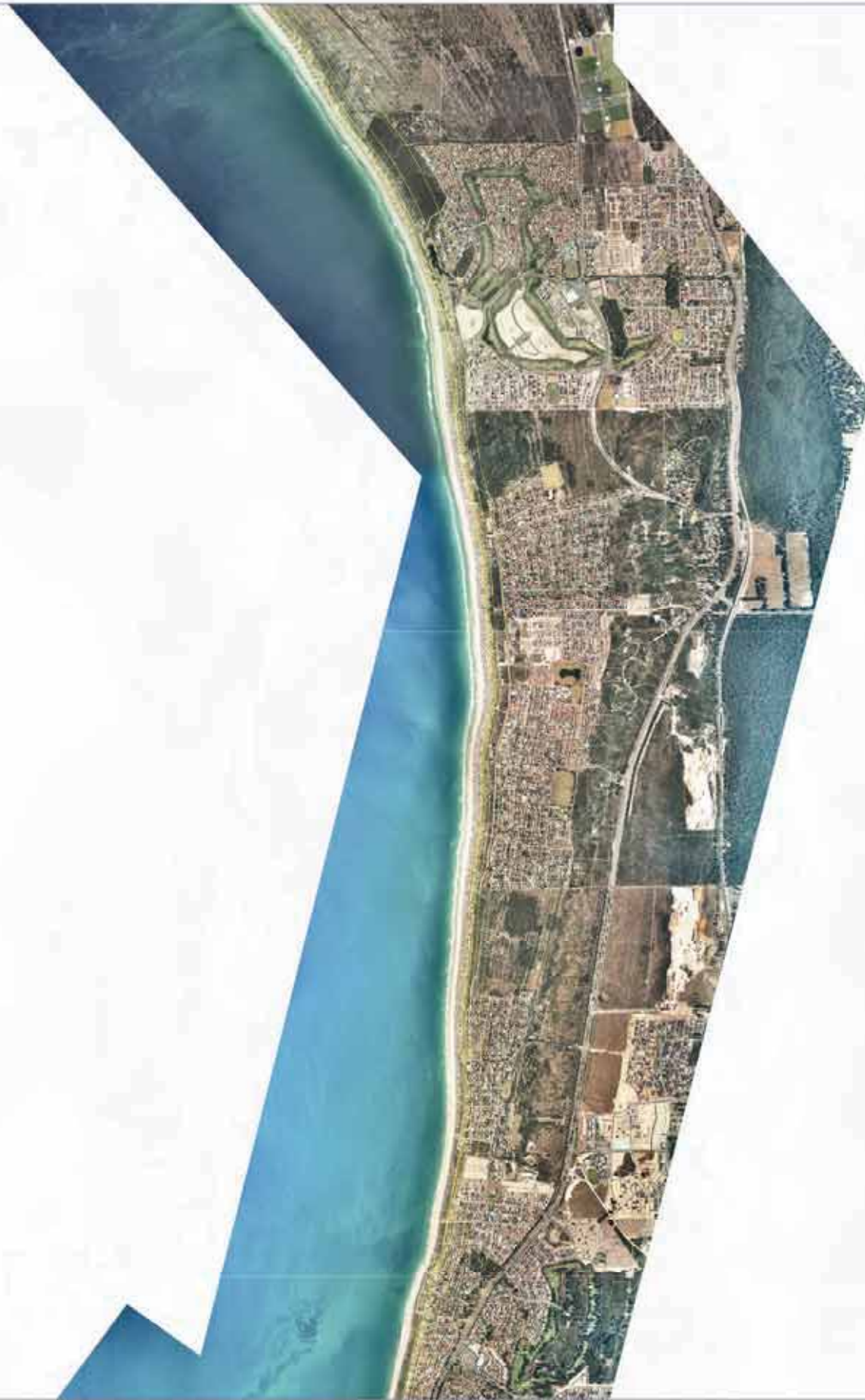
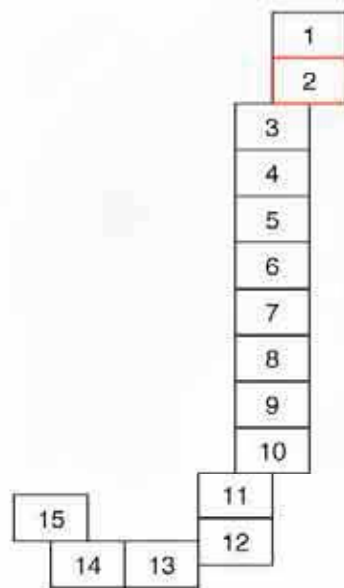
Figure 15B

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NO.	DATE	BY	DESCRIPTION	NO.	DATE

NOTES

SCALE 1 : 50000

DATUM
VERTICAL AHD

HORIZONTAL MAF GRID OF AUSTRALIA, BASED ON GDA94



ACTIVITY	NAME	SIGNATURE	DATE
ENGINEER	M. ENGE		2020
DRAWN	S. Muzumdar		2020
ENGINEERING CHECK			
CARTOGRAPHY CHECK			
APPROVED PROJECT MGR			

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Marine, Coastal & Topographic Mapping Civil Engineering

**PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESSMENTS
EROSION ASSESSMENT**

DRAWING NUMBER **SC - 2350 - 3 - 2** REV **A**

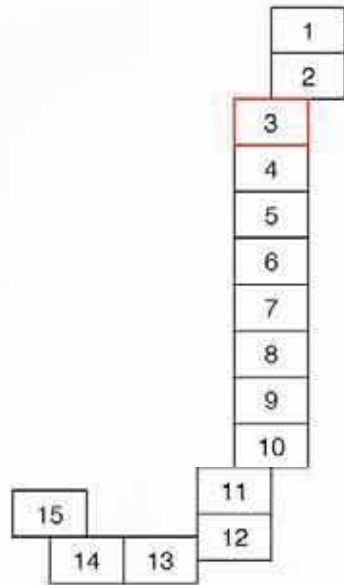
Figure 15C

Disclaimer

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Erosion Scenarios

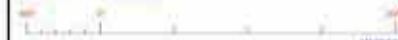
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NOTES

NO.	DATE	DESCRIPTION	BY	CHECKED

SCALE 1 : 50000



DATUM
VERTICAL AHD

HORIZONTAL MAP GRID OF AUSTRALIA, BASED ON GDA94



ACTION	NAME	SIGNATURE	DATE
ENGINEER	M. ERM		2010
DRAWN	S. Moxelshore		2010
ENGINEER'S CHECK			
CARTOGRAPHY CHECK			
APPROVED PROJECT MGR			

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Data Logging

PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESMENTS
EROSION ASSESMENT

DRAWING NUMBER SC - 2350 - 3 - 3 **A**

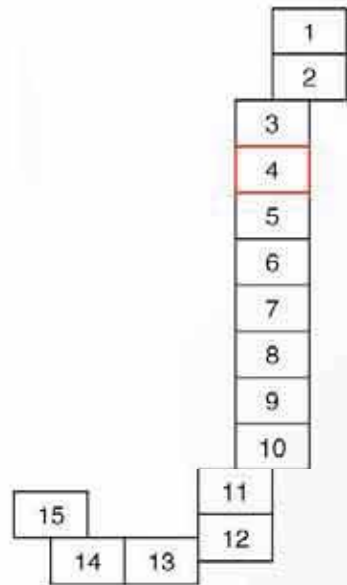
Figure 15D

Disclaimer

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REV	DATE	DESCRIPTION	BY	CHECKED

NOTES

SCALE 1 : 50000

DATUM
VERTICAL AHD

HORIZONTAL MAP GRID OF AUSTRALIA, BASED ON GDA84



ACTION	NAME	SIGNATURE	DATE
ENGINEER	M. Elst		2024
DRAWN	D. Mouchmore		2024
ENGINEERING CHECK			
CARTOGRAPHY DESIGN			
APPROVED PROJECT MGR			

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PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESMENTS
EROSION ASSESMENT

DRAWING NUMBER SC - 2350 - 3 - 4 REV A

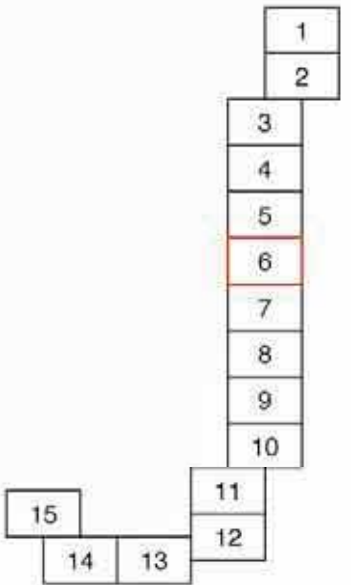
Figure 15F

Disclaimer

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NO.	DATE	DESCRIPTION	BY	CHECKED

NOTES

SCALE 1 : 50000
 DATUM VERTICAL AHD
 HORIZONTAL MAP GRID OF AUSTRALIA, BASED ON GDA94

ACTION	NAME	SIGNATURE	DATE
ENGINEER	M. EROT		2024
DRAWN	S. Mouchmore		2024
ENGINEERING CHECK			
CARTOGRAPHIC CHECK			
APPROVED PRELIMINARY			

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Civil Engineering

PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESSMENTS
EROSION ASSESMENT

DRAWING NUMBER: **SC - 2350 - 3 - 6** REV A

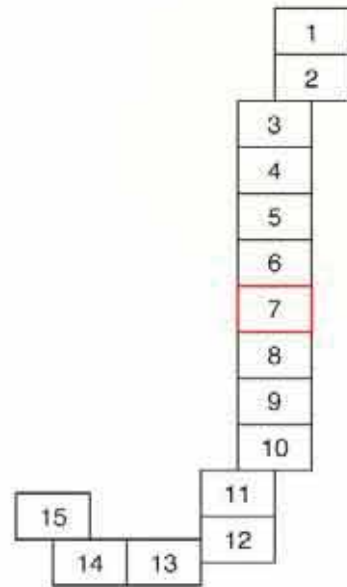
Figure 15G

Disclaimer

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NO.	DATE	REVISION/DESCRIPTION	BY	CHECKED

SCALE 1 : 50000

DATUM
VERTICAL AHD

HORIZONTAL MAP GRID OF AUSTRALIA, BASED ON GD94



ACTION	NAME	SIGNATURE	DATE
ENGINEER	M. ENK		2020
DRAWN	S. Maudemore		2020
ENGINEERING CHECK			
CARTOGRAPHY CHECK			
APPROVED PROJECT MGR			

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Marine, Coastal & Topographic Mapping and Drafting

PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESSMENTS
EROSION ASSESMENT

DRAWING NUMBER SC - 2350 - 3 - 7 A

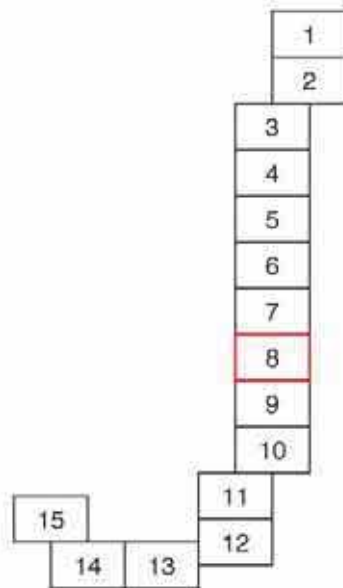
Figure 15H

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REV	DATE	DESCRIPTION	BY	CHKD	APPROVAL
A3					

NOTES

SCALE 1:50000



DATUM
VERTICAL: AHD

HORIZONTAL: MAP GRID OF AUSTRALIA, BASED ON GDA94



ACTION	NAME	INITIALS	DATE
DRAWN	M. Elul		2015
ENGINEERING CHECK	S. Wetherstone		2015
CARTOGRAPHY CHECK			
APPROVED PROJECT MAN			

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PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESSMENTS
EROSION ASSESSMENT

(DRAWING NUMBER) SC - 2350 - 3 - 8 (REV) A

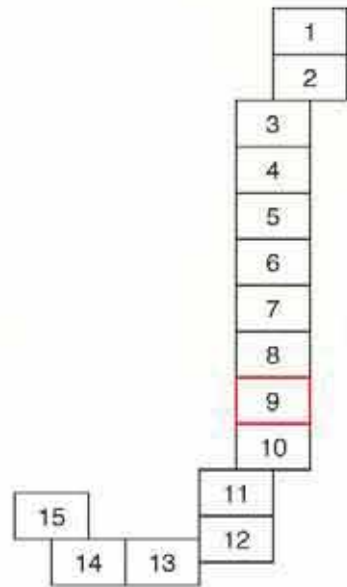
Figure 15I

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NOTES

NO.	DATE	REVISION	BY	CHKD.	DESCRIPTION

SCALE 1 : 50000



DATUM
VERTICAL AHD

HORIZONTAL MAP GRID OF AUSTRALIA, BASED ON GDA94



ACTION	NAME	SIGNATURE	DATE
ENGINEER	M. ERK		8/02
DRAWN	D. Mouchelone		8/02
ENGINEERING CHECK			
CARTOGRAPHY CHECK			
APPROVED PROJECT MGR			

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BebbCart
Marine, Coastal & Topographic Mapping
(Civil Drawing)

PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESMENTS
EROSION ASSESMENT

DRAWING NUMBER SC - 2350 - 3 - 9 REV A

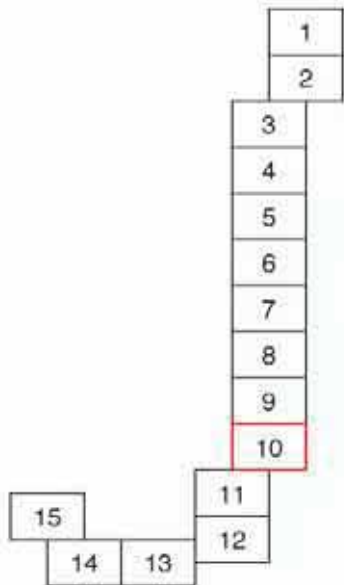
Figure 15J

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NOTES

SCALE 1 : 50000
 DATUM VERTICAL AHD
 HORIZONTAL MAP GRID OF AUSTRALIA, BASED ON GDAS4

ACTION	NAME	SIGNATURE	DATE
ENGINEER	M. Elot		2020
DRAWER	S. Mucchetti		2020
ENGINEERING CHECK			
CARTOGRAPHY CHECK			
APPROVED PROJECT SIGN			

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 Civil Drafting

PERON - NATURALISTE
 COASTAL ADAPTATION PATHWAYS
 PHASE 1 COASTAL HAZARD ASSESSMENTS
 EROSION ASSESMENT

DRAWING NUMBER **SC - 2350 - 3 - 10** REV **A**

NO.	DATE	REVISION	BY	CHKD
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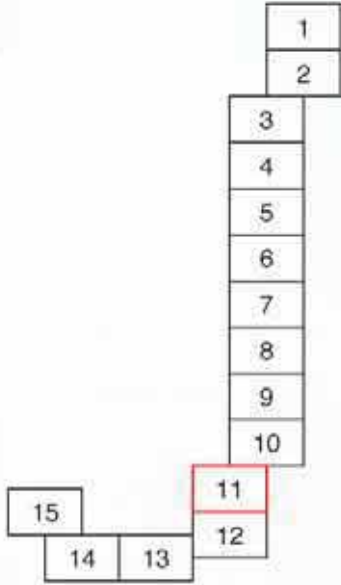
Figure 15K

Disclaimer

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NOTES

SCALE 1 : 50000



ACTION	NAME	SIGNATURE	DATE
ENGINEER	M. Ekot		2020
DRAWN	S. Macchione		2020
ENGINEERING CHECK			
CARTOGRAPHY CHECK			
APPROVED PROJECT USER			

Damara WA Pty Ltd

BebbCart

Specialist Geomatics & Topographic Mapping Civil Drafting

PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESMENTS
EROSION ASSESMENT

DRAWING NUMBER **SC - 2350 - 3 - 11** **A**



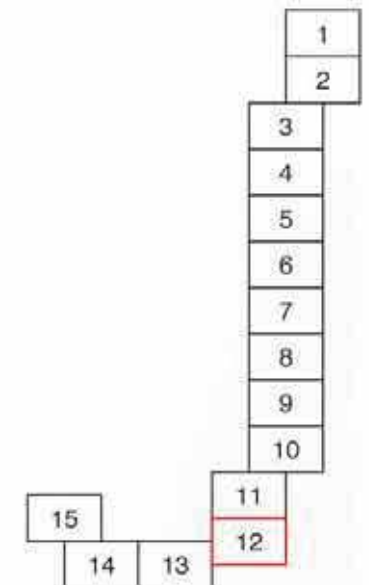
Figure 15L

Disclaimer

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REV		DATE		BY		CHECKED	

NOTES

SCALE 1 : 50000

DATUM
VERTICAL AHD
HORIZONTAL MAP GRID OF AUSTRALIA, BASED ON GDA84

ACTION	NAME	DEPARTMENT	DATE
ENGINEER	M. Esot		
DRAWN	S. Moushmani		
ENGINEERING CHECK			
CARTOGRAPHY CHECK			
APPROVED PROJECT MGR			

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BebbCart
Menna, Catherine & Topographic Mapping Civil Drafting

PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESSMENTS
EROSION ASSESMENT

DRAWING NUMBER SC - 2350 - 3 - 12 REV A



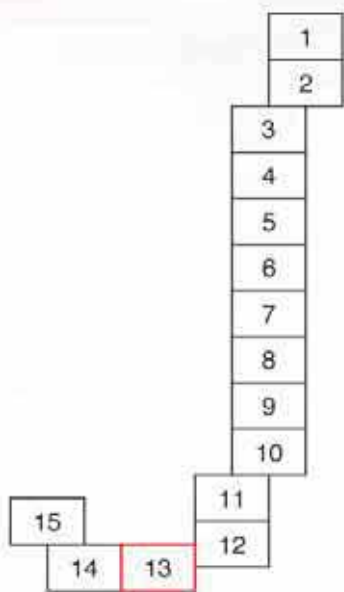
Figure 15M

Disclaimer

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NOTES

SCALE 1 : 50000

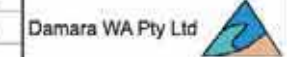


DATUM
VERTICAL AND

HORIZONTAL MAP GRID OF AUSTRALIA, BASED ON GDA94



ACTION	NAME	SIGNATURE	DATE
ENGINEER	M. Ebb		2020
DRAWN	S. Muddiman		2020
ENGINEERING CHECK			
CARTOGRAPHY CHECK			
APPROVED PROJECT ADR			



PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESSMENTS
EROSION ASSESMENT

DRAWING NUMBER SC - 2350 - 3 - 13 ^{REV} A

NO.	DATE	DESCRIPTION	BY	CHECKED

DATE PLOTTED: 20/08/2020 10:00:00 AM

Figure 15N

Disclaimer

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Erosion Scenarios

The image shows modelled coastal erosion, for time frames up to 2110. The hazard assessment was specifically developed for economic assessments of adaptation options, which form Phases II and III of the Coastal Adaptation Decision Pathways Project. Erosion hazard mapping has been derived from the downscaling of a regional recession study, through consideration of geology and landforms. The recession study method, which aimed to explore uncertainties of coastal response to sea level rise, constrained the reliability of the hazard assessment. Key locations including Quindalup-Busselton, Bunbury and Mandurah are not well represented by the erosion model. Despite this limitation, the hazard mapping is considered suitable for economic assessment for all sites except the largely enclosed area of Koombana Bay. Further refinement of the erosion threat is considered to require higher resolution identification of underlying rock features and inclusion of alongshore controls such as headlands and groynes, when evaluated at a local scale. The image shows the median erosion scenario projection for 2030, 2040, 2050, 2070 and 2110.



NO.	DATE	DESCRIPTION	BY	FOR
1		ISSUE FOR SUBMITTAL		
2		ISSUE FOR SUBMITTAL		
3		ISSUE FOR SUBMITTAL		
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5		ISSUE FOR SUBMITTAL		
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7		ISSUE FOR SUBMITTAL		
8		ISSUE FOR SUBMITTAL		
9		ISSUE FOR SUBMITTAL		
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11		ISSUE FOR SUBMITTAL		
12		ISSUE FOR SUBMITTAL		
13		ISSUE FOR SUBMITTAL		
14		ISSUE FOR SUBMITTAL		
15		ISSUE FOR SUBMITTAL		

NOTES

SCALE 1 : 50000

DATUM
VERTICAL AHD

HORIZONTAL MAP GRID OF AUSTRALIA, BASED ON GDA94



ACTION	NAME	DESIGN LINE	DATE
ENGINEER	M. Elot		2018
DRAWN	S. Mouthamora		2018
ENGINEERING CHECK			
DRAFTSMAN/CHECK			
APPROVED PROJECT MGR			



PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESSMENTS
EROSION ASSESSMENT

DRAWING NUMBER: SC - 2350 - 3 - 14

REV A

Figure 150

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Erosion Scenarios

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REV	DATE	DESCRIPTION	BY	CHECKED

NOTES

SCALE 1 : 50000

DATUM VERTICAL AHD

HORIZONTAL MAP GRID OF AUSTRALIA, BASED ON GDA94

ACTION	NAME	SIGNATURE	DATE
DRAWN	M. Egan		2019
CHECKED	S. Muschumura		2019
CHECKED			
CHECKED			
CHECKED			
CHECKED			
CHECKED			

Damara WA Pty Ltd

BebbCart

Marine, Coastal & Topographic Mapping Civil Drafting

PERON - NATURALISTE
COASTAL ADAPTATION PATHWAYS
PHASE 1 COASTAL HAZARD ASSESMENTS
EROSION ASSESMENT

DRAWING NUMBER SC - 2350 - 3 - 15 ^{REV} A