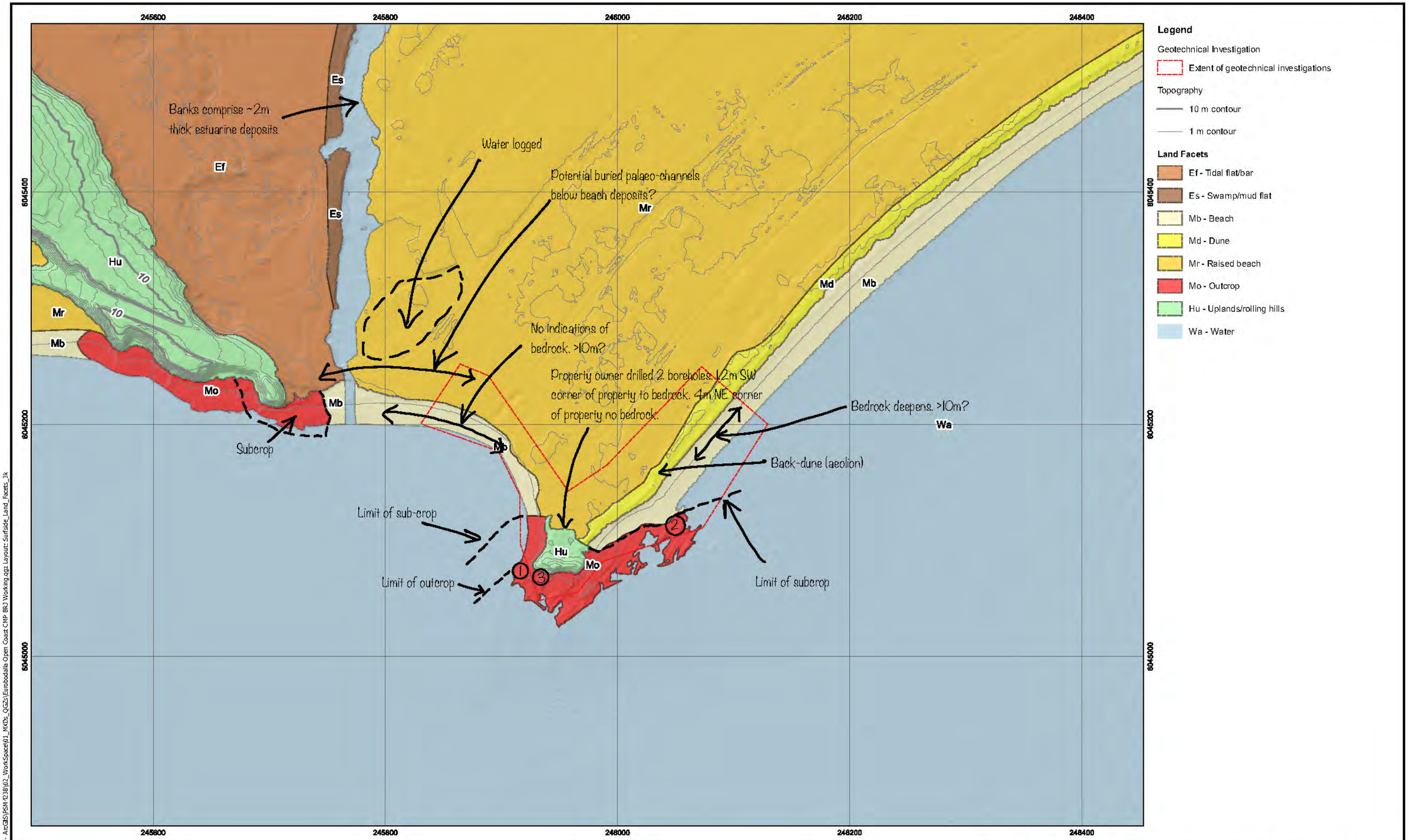
Appendix B
Field Mapping Sheets



NOTES:
1. DEM generated from LiDAR and bathymetry data obtained from elevation.fsd.org.au

Scale **1:3,000**

0 25 50 75 100 m

Map Projection:
GDA2020 / MGA zone 56
EPSG:7856

Created By: BRJ	Revision: A	Eurobodalla Shire Council Eurobodalla CMP - Open Coast Geotechnical Investigation
Date: 28 Jun 2021	Paper Size: A3	TERRAIN CLASSIFICATION: SURFSIDE SOUTH (1:3,000)
		PSM4238-005R — Figure B1

C:\Users\Brendon.Jones\Pells Sullivan Meyrinik\GIS - ArcGIS\PSM4238\02_WorkSpace\01_MXDs_QGZs\Eurobodalla Open Coast CMP BRJ Working.qgz Layout: Surfside_Land_Facets_3k

Eurobodalla CMP
PSM4238

Title Surfside 1

Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction	NW	Comments

Elevation m (RL)

CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A							SAND, light brown, trace silt, non-plastic, wet, very loose, uniform, marine
B	Sandstone	HW	L	Brown	10-30mm		Outcrop flanked by subcrop covered by marine sands
C							
D							

DEFECTS

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	Shape	Persistence/ Termination
	BP	85	097	Rough	CN		0.1-0.3	CU	
	BP	71	099	Rough	CN		0.1-0.3	CU	
	BP	89	128	Rough	CN		0.1-0.3	CU	
	BP	88	309	Rough	CN		0.1-0.3	CU	
	BP	89	311	Rough	CN		0.1-0.3	CU	
	BP	76	313	Rough	CN		0.1-0.3	CU	
	BP	58	321	Rough	CN		0.1-0.3	CU	

Eurobodalla CMP
PSM4238

Title Surfside 2
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction	SW	Comments

Elevation m (RL)

CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A							SAND, light brown, wet, very loose, uniform, marine
B	Sandstone	HW	L	Brown	10-30cm		Outcrop and subcrop covered by marine sands
C							
D							

DEFECTS Bedding parting (BP) orientation averaged from several readings

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	Shape	Persistence/ Termination
	BP	89	288	Rough	CN		0.1-0.3	CU	

Eurobodalla CMP
PSM4238

Title Surfside 3
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction	NW	Comments

Elevation m (RL)

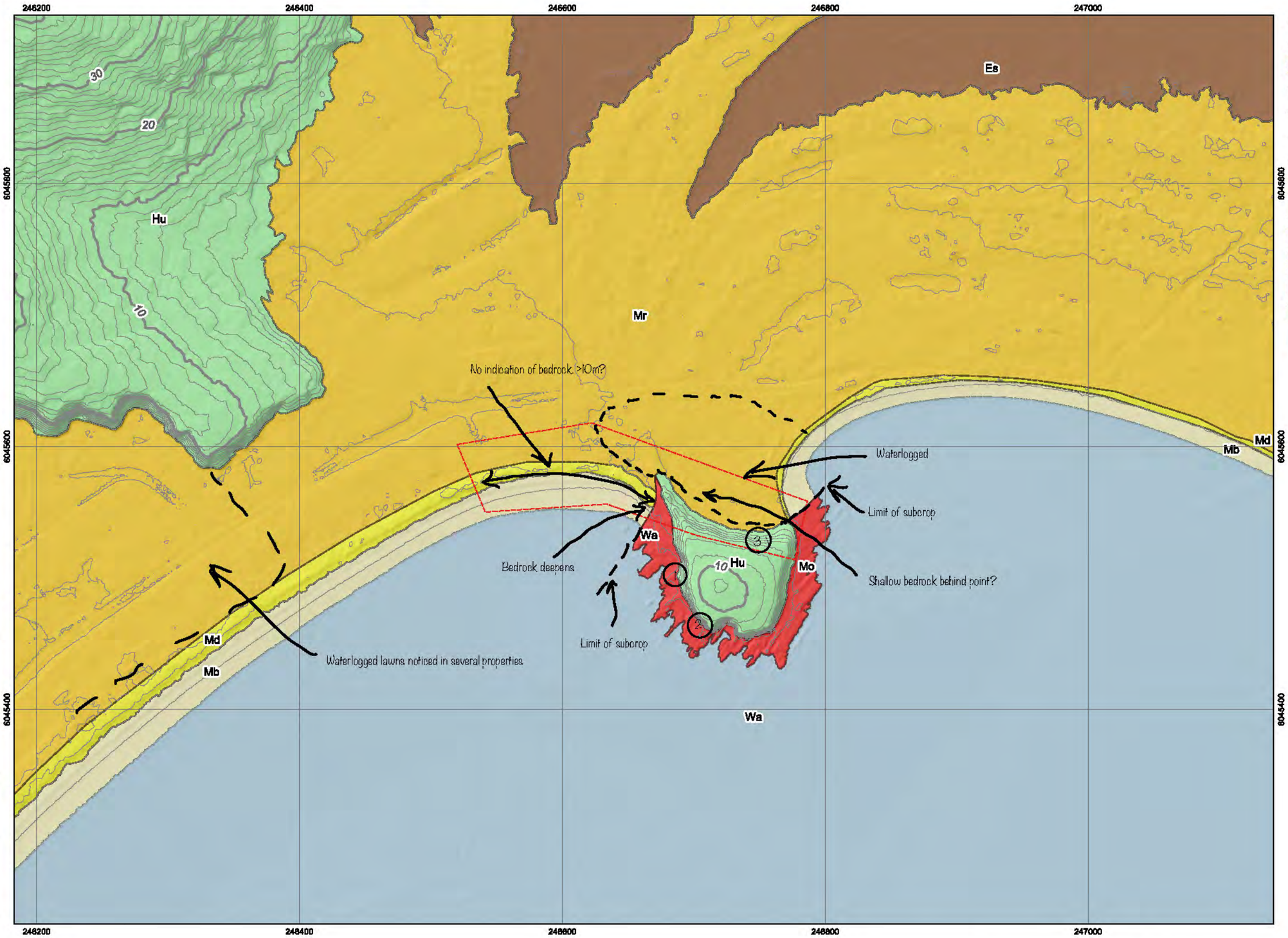
CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A							SANDY SILT, low plasticity, dark brown, with clay and gravel, moist, loose poorly graded, colluvium
B							SAND, light brown, trace silt, non-plastic, moist, very loose, marine
C	Sandstone	HW	L	Brown	10-30cm		
D							SAND, light brown, minor gravel, non-plastic, moist, very loose, marine

DEFECTS

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	Shape	Persistence/ Termination
	BP	85	113	Rough	CA		0.1-0.3	CU	



Legend

Geotechnical Investigation

- Extent of geotechnical investigations

Topography

- 10 m contour
- 1 m contour

Land Facets

- Es - Swamp/mud flat
- Mb - Beach
- Md - Dune
- Mr - Raised beach
- Mo - Outcrop
- Hu - Uplands/rolling hills
- Wa - Water

NOTES:
1. DEM generated from LiDAR and bathymetry data obtained from elevation.fsd.org.au

N

Scale **1:3,000**

0 25 50 75 100 m

Map Projection:
GDA2020 / MGA zone 56
EPSG:7856

P S M	Created By: BRJ	Revision: A
	Date: 28 Jun 2021	Paper Size: A3

Eurobodalla Shire Council
Eurobodalla CMP - Open Coast
Geotechnical Investigation

TERRAIN CLASSIFICATION:
SURFSIDE NORTH (1:3,000)

PSM4238-005R | Figure B2

C:\Users\Brendon.Jones\Pells Sullivan Meyrinik\GIS - ArcGIS\PSM4238\02_WorkSpace\01_MXDs_QGZs\Eurobodalla Open Coast CMP BRJ Working.qgz Layout: Surfside_North_Land_Facets_3k copy

Eurobodalla CMP
PSM4238

Title Surfside 4
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction	SE	Comments

Elevation m (RL)

CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A							SILTY SAND, low plasticity, with clay and gravel, moist, loose, poorly graded colluvium
B	Interbedded Sandstone/ Siltstone	HW/MW	L	Grey	0.1-0.2		Pockets of unit A
C							SILTY GRAVEL, low plasticity, with sand, moist, loose, poorly graded colluvium
D	Interbedded Sandstone/ Siltstone	MW	L	Brown	0.1-0.3		

DEFECTS

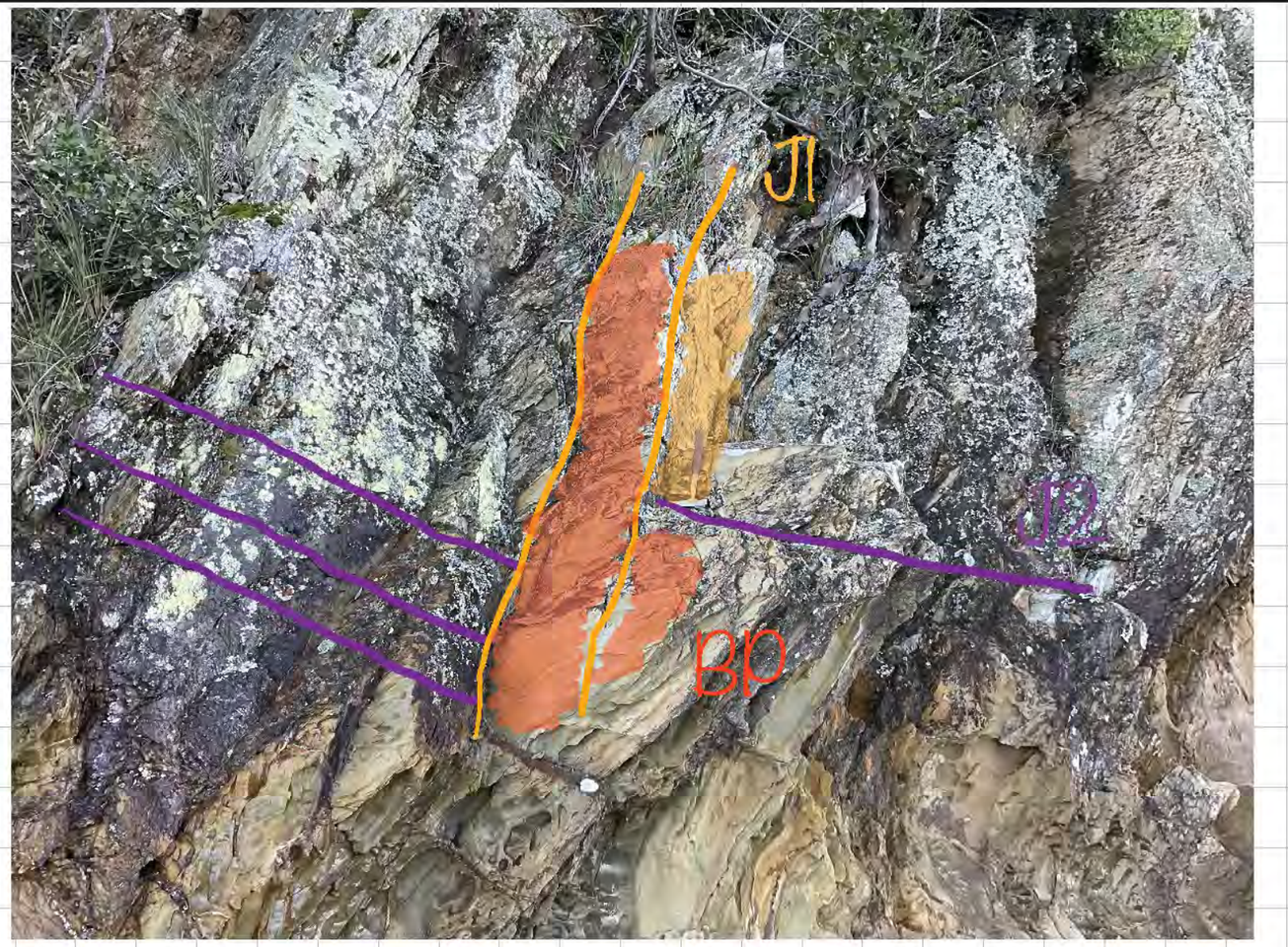
ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	Shape	Persistence/ Termination
	BP	47	309						
	BP	54	304	Rough					
	BP	53	315		CA			CU	
	BP	86	119						
	BP	84	120						

Eurobodalla CMP
PSM4238

Title Surfside 5
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction		Comments

Elevation m (RL)



CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A	Interbedded Sandstone/ Siltstone	HW	L	Brown			
B							
C							
D							

DEFECTS

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	Shape	Persistence/ Termination
	BP	75	283						
	BP	81	296						
	BP	84	295						
	BP	85	293	Rough	CA			CU	
	J1	75	189						
	J1	74	182						
	J1	85	178						
	J2	39	104						

Eurobodalla CMP
PSM4238

Title Surfside 6
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction		Comments

Elevation m (RL)

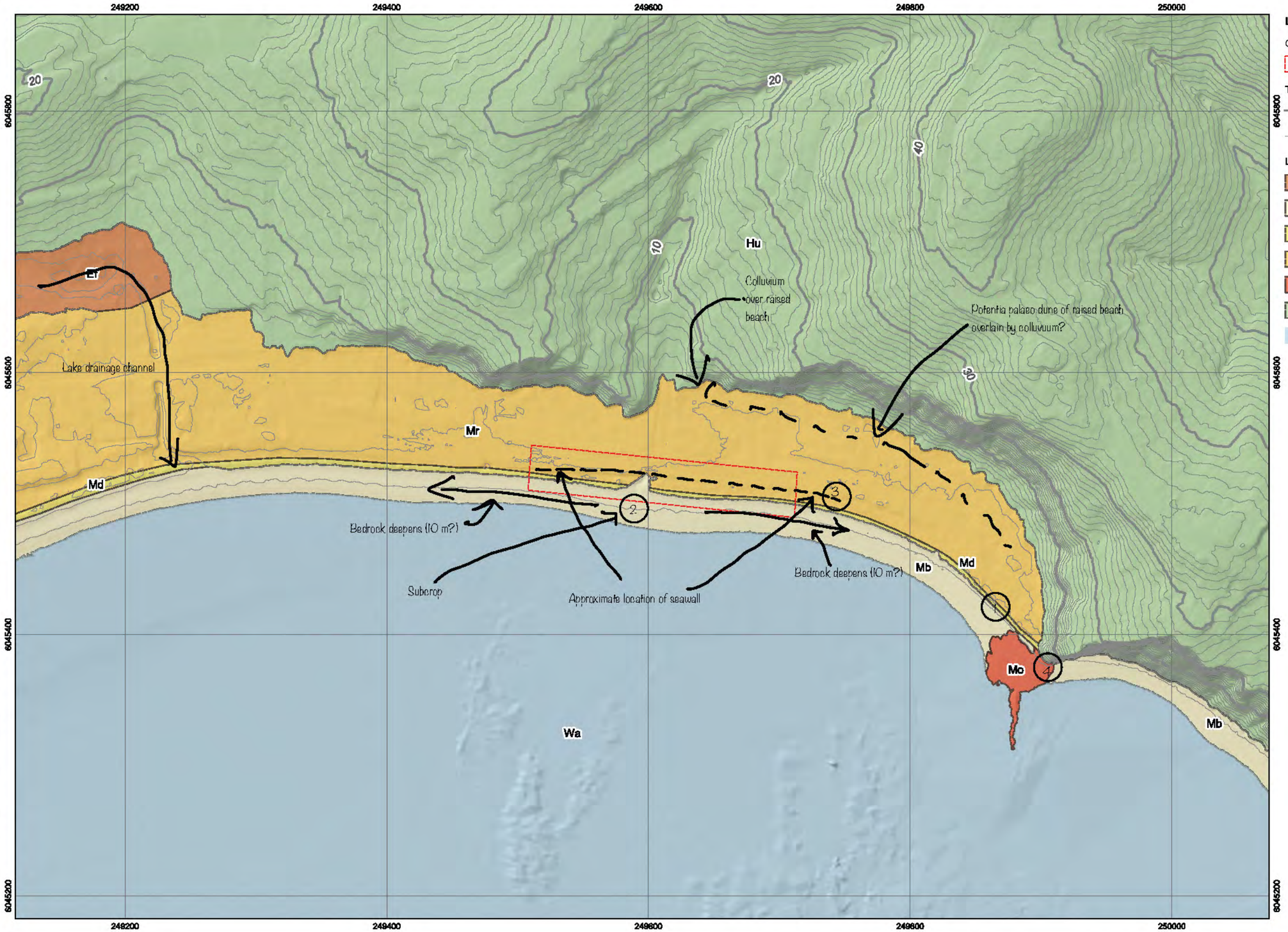
CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A							SILTY SAND, low plasticity, with clay and gravel, moist, loose, poorly graded colluvium
B	Siltstone	CW/HW	VL	Pale orange	0.1-0.2		
C							
D							

DEFECTS

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	Shape	Persistence/ Termination



Legend

Geotechnical Investigation

- Extent of geotechnical investigations

Topography

- 10 m contours
- 1 m contours

Land Facets

- Ef - Tidal flat/bar
- Mb - Beach
- Md - Dune
- Mr - Raised beach
- Mo - Outcrop
- Hu - Uplands/rolling hills
- Wa - Water

NOTES:
1. DEM generated from LiDAR and bathymetry data obtained from elevation.fsd.org.au

N

Scale **1:3,000**

0 25 50 75 100 m

Map Projection:
GDA2020 / MGA zone 56
EPSG:7856

Created By: BRJ	Revision: A	Eurobodalla Shire Council Eurobodalla CMP - Open Coast Geotechnical Investigation
Date: 30 Jun 2021	Paper Size: A3	TERRAIN CLASSIFICATION: LONG BEACH (1:3,000)
		PSM4238-005R — Figure B3

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Eurobodalla CMP
PSM4238

Title Long Beach 1
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction	NE	Comments	Eastern end of Long Beach

Elevation m (RL)

CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A							SILT, low plasticity, dark brown with minor sand and gravel, moist, very soft, homogenous, colluvium
B							CLAY, medium plasticity, light brown mottled yellow, with gravel, moist, very soft, homogenous, residual
C							SAND, light brown, wet, very loose, uniform, marine (deposited adjacent to terrestrial profile)
D							

DEFECTS

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	Shape	Persistence/ Termination

Eurobodalla CMP
PSM4238

Title Long Beach 2
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction	W	Comments	Mid-Long Beach below intersection of Bay Road and Fauna Avenue

Elevation m (RL)

CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A							SAND, light brown, wet, very loose, uniform, marine
B	Sandstone	HW	L	Brown			Scattered subcrop covered by marine sands
C							
D							

DEFECTS

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	Shape	Persistence/ Termination

Eurobodalla CMP
PSM4238

Title Long Beach 3
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction	W	Comments Mid-Long Beach.

Elevation m (RL)

CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A							Boulders, dark grey, with sand (matrix), possible sea wall?
B							SAND, light brown and grey, with gravel moist, very loose, poorly graded, possibly marine reworked with uncontrolled fill?
C							
D							

DEFECTS

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	Shape	Persistence/ Termination

Eurobodalla CMP
PSM4238

Title Longbeach 4
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction	NE	Comments

Elevation m (RL)

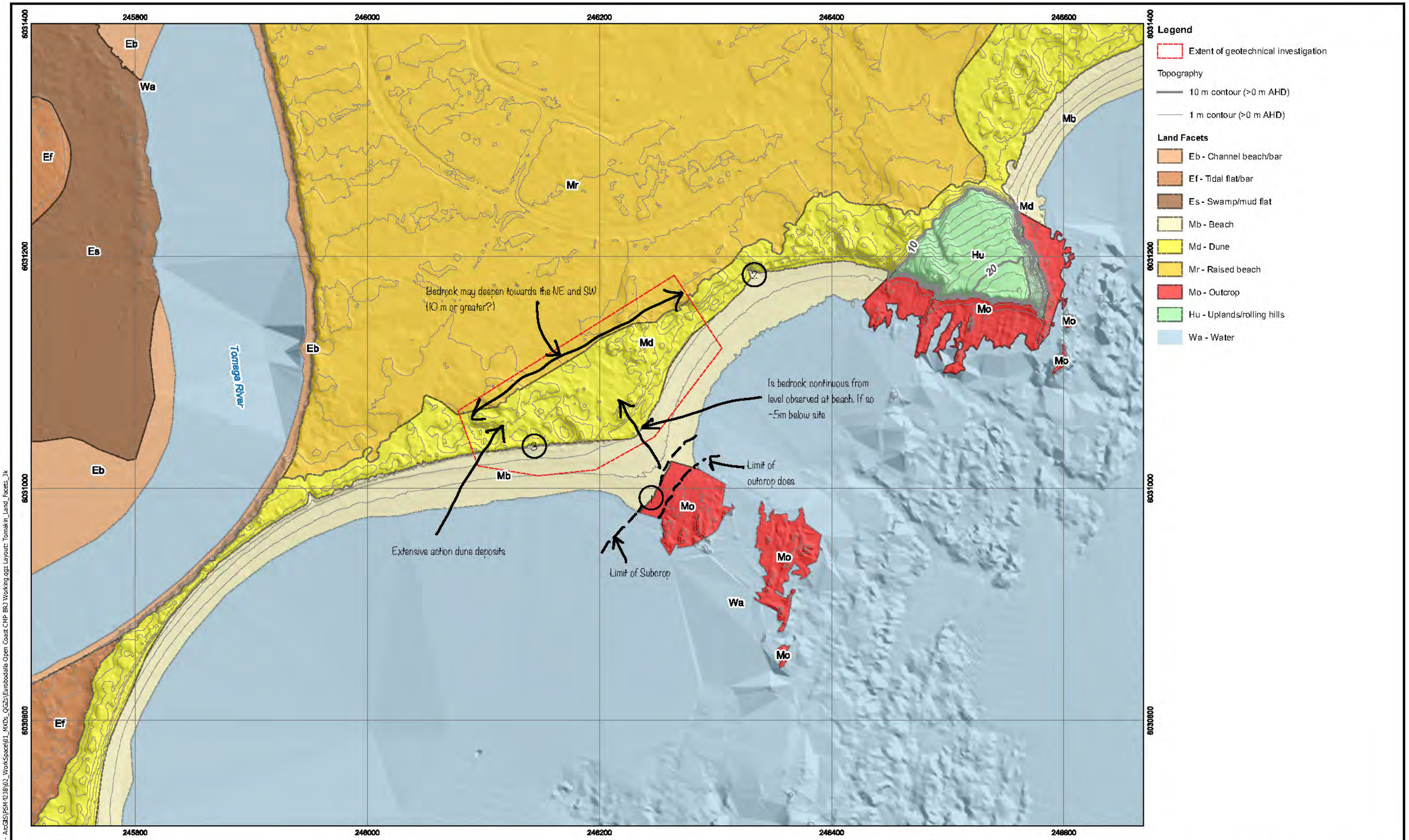
CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A	Interbedded Sandstone/ Siltstone	HW	L	Light Brown			Fine grained sandstone with minor chert. Very oxidised and leached throughout outcrop
B	Basalt	HW	M	Dark Brown			Very oxidised
C							
D							

DEFECTS

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	OOShape	Persistence/ Termination
	BP	73	251						
	BP	81	253						



NOTES:
1. DEM generated from LiDAR and bathymetry data obtained from elevation.fsd.org.au

Scale **1:3,000**

N

0 50 100 m

Map Projection:
GDA2020 / MGA zone 56
EPSG:7856

P S M	Created By: BRJ	Revision: A
	Date: 29 Jun 2021	Paper Size: A3

Eurobodalla Shire Council
Eurobodalla CMP - Open Coast
Geotechnical Investigation

TERRAIN CLASSIFICATION:
TOMAKIN (1:3,000)

PSM4238-005R | Figure B4

C:\Users\Brendon.Jones\Pells Sullivan Meyrinik\GIS - ArcGIS\PSM4238\02_WorkSpace\01_MXDs_QGZs\Eurobodalla Open Coast CMP BRJ Working.qgz Layout: Tomakin_Land_Facets_3k

Eurobodalla CMP
PSM4238

Title Tomakin 1
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction	S	Comments

Elevation m (RL)

CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A							Sand, light brown, trace silt, non-plastic, very loose, uniform, marine
B	Sandstone	HW	L	Brown			Subcrop of sandstone covered by marine sands
C	Sandstone	HW	L	Brown			
D							

DEFECTS

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	Shape	Persistence/ Termination
	BP	75	097						

Eurobodalla CMP
PSM4238

Title Tomakin 2
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction	NW	Comments

Elevation m (RL)

CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A							Silty sand, low plasticity, loose poorly graded, topsoil
B							Sand, light brown, trace silt, non-plastic, loose, marine
C							
D							

DEFECTS

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	Shape	Persistence/ Termination

Eurobodalla CMP
PSM4238

Title Tomakin 3
Logged by BRJ Date / Time 17/06/2021 Sheet 1 of 1

Viewing direction	NE	Comments

Elevation m (RL)

CHAINAGE

MATERIAL/MASS DESCRIPTION

Mapped Unit	Lithology	Weathering	Est. Strength	Colour	Fracture Spacing	Inferred GSI	Soil Description / Other Observations
A							Sand, light brown, non-plastic, with silt, loose, Marine (Aeolian dune)
B							Sand, light brown, non-plastic, loose, well graded, Marine (beach)
C							
D							

DEFECTS

ID	Type	Dip	Dip Dir. (Mag)	Roughness	Infill	Thickness (mm)	Spacing (m)	O0Shape	Persistence/ Termination