

revision	description				drawn	approved	date	<div>200100</div> <div>Scale (metres)</div>	drawn	AJH/SW	<div>coffey</div> <div>geotechnics</div> <div>SPECIALISTS MANAGING THE EARTH</div>	client:	AUSTRALAND / PATTERSON BRITTON & PARTNERS	
									approved			project:	ADDITIONAL GEOTECHNICAL INVESTIGATIONS SHELL COVE BOAT HARBOUR	
									date			title:	REDUCED LEVEL TO TOP OF RIPPABLE MATERIAL	
									scale	AS SHOWN		project no:	GEOTUNAN02058AO	figure no: FIGURE 1 DRAFT
									original size	A3				



LEGEND

- Piezometer Location
- ▲ Surface water monitoring point
- Original boatharbour
- 15 degree rotated boatharbour
- 1.5 — Modelled groundwater contours for calibrated model - steady state (mAHd)

SCALE (Approx. @A3)
100m

NOTE: Outline of breakwater and groynes are indicative only

Coffey Geosciences Pty Ltd

ABN 57 056 335 516
ACN 056 335 516

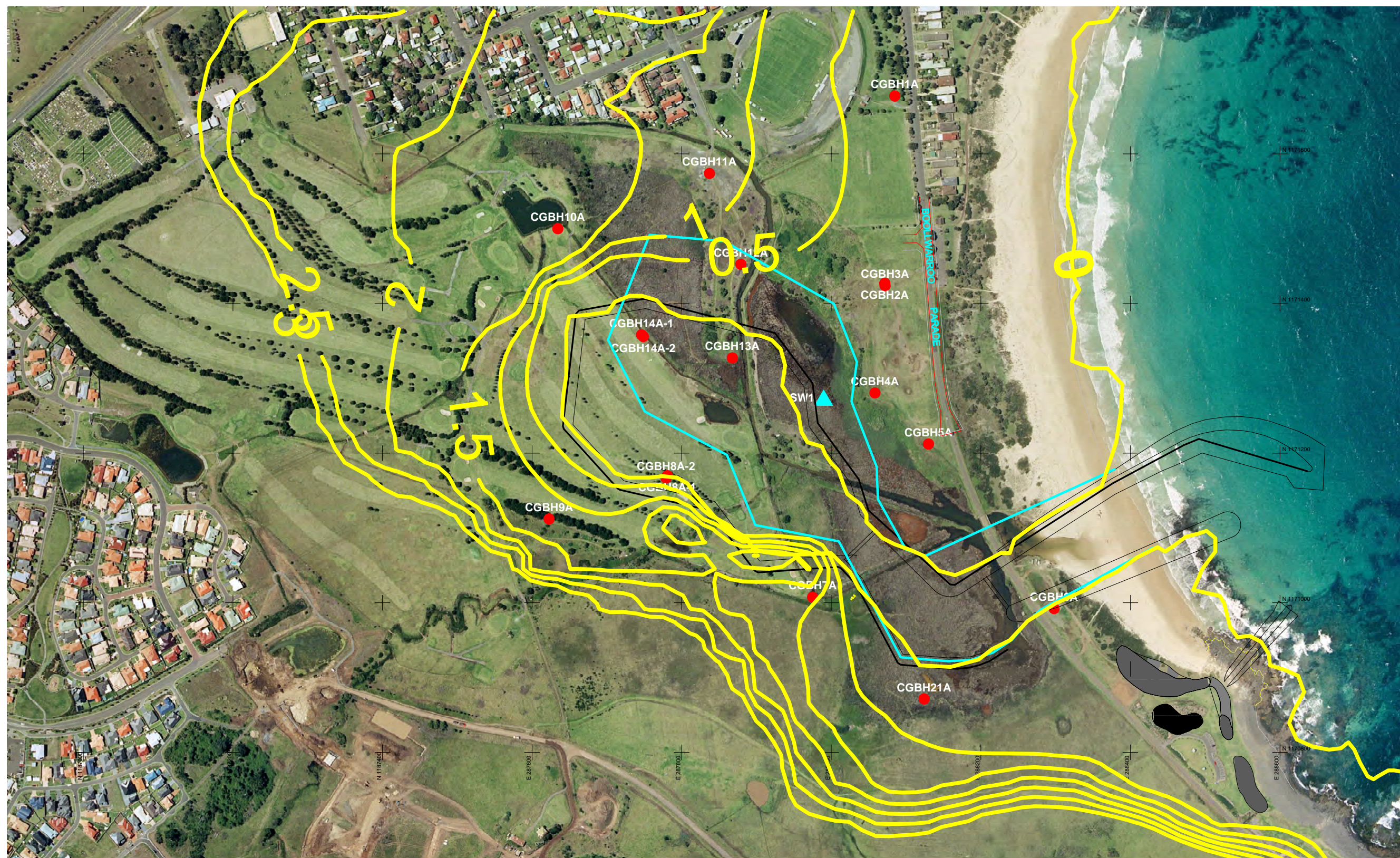
Geotechnical | Resources | Environmental | Technical | Project Management

Drawn	JMF
Approved	
Date	
Scale	AS SHOWN

PATTERSON BRITTON & PARTNERS PTY LTD
GROUNDWATER STUDY
SHELL COVE BOATHARBOUR, SHELLHARBOUR, NSW
GROUNDWATER CONTOURS BASED ON THE CALIBRATED
MODEL STEADY STATE

FIGURE I4

SC2058/2-BP



LEGEND

- Piezometer Location
- ▲ Surface water monitoring point
- Original boatharbour
- 15 degree rotated boatharbour
- 1.5 Modelled groundwater contours for excavated harbour (mAHD)

SCALE (Approx. @A3)

100m

NOTE: Outline of breakwater and groynes are indicative only

Coffey Geosciences Pty Ltd

ABN 57 056 335 516
ACN 056 335 516

Geotechnical | **Resources** | Environmental | **Technical** | Project Management

Drawn JMF

Approved

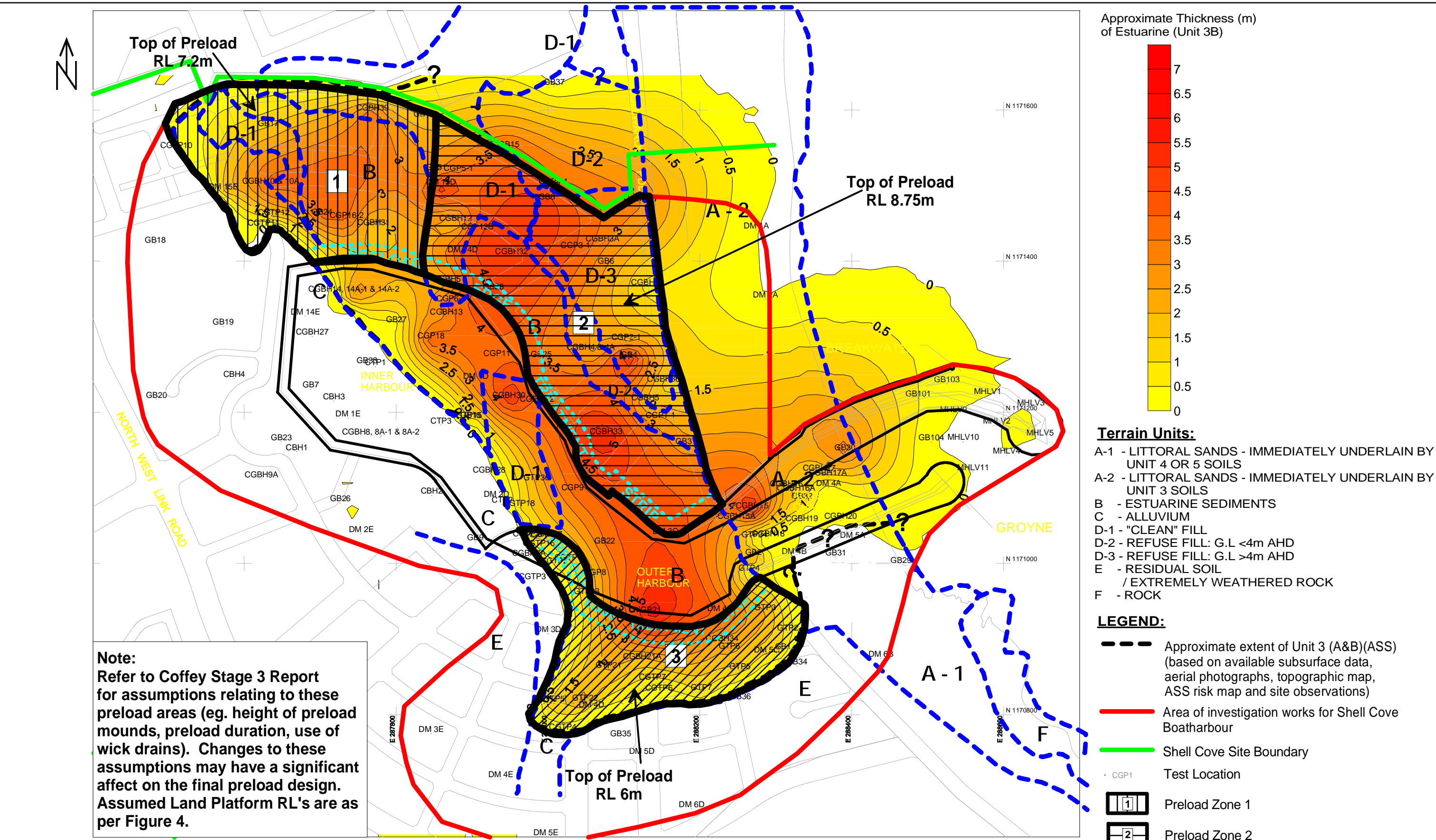
Date

Scale AS SHOWN

PATTERSON BRITTON & PARTNERS PTY LTD
GROUNDWATER STUDY
SHELL COVE BOATHARBOUR, SHELLHARBOUR, NSW
GROUNDWATER CONTOURS - STEADY STATE
CONDITIONS FOR EXCAVATED HARBOUR

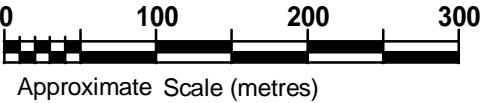
FIGURE I5

SC2058/2-BP



Note: Contouring programme (Surfer) extrapolates contours beyond the approximate extent of ASS. This figure is a graphical representation only. The thicknesses shown have been inferred from current and previous borehole information.

revision	description				drawn	approved	date



drawn	SD/CCQ
approved	SM
date	6/6/07
scale	1:5000 (Approx)
original size	A3



client:	AUSTRALAND / PATTERSON BRITTON & PARTNERS	
project:	STAGE 3 GEOTECHNICAL INVESTIGATION WORKS SHELL COVE BOATHARBOUR, SHELLHARBOUR, NSW	
title:	PRELOAD ZONES WITH INTERPRETED THICKNESS OF ESTUARINE UNIT 3B	
project no:	GEOTUNAN02058AM-AN	figure no: 7