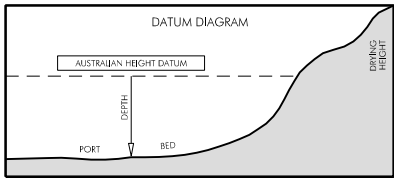


LEGEND

- APPROX. WATERWAY AREA
- APPROX. SHOAL AREA
- OYSTER LEASE
- DEPTH CONTOURS
- DRYING HEIGHT CONTOURS
- ROCK OUTCROP/REEF
- ROADS
- TRACKS
- BUILDINGS
- JETTIES
- SURVEY MARK
- PM / SSM
- AUTOMATIC WATER LEVEL RECORDER (AWLR) SITE



NOTES

DEPTHS (eg -2.1) - ARE SHOWN IN METRES AND DECIMETRES ON AUSTRALIAN HEIGHT DATUM.

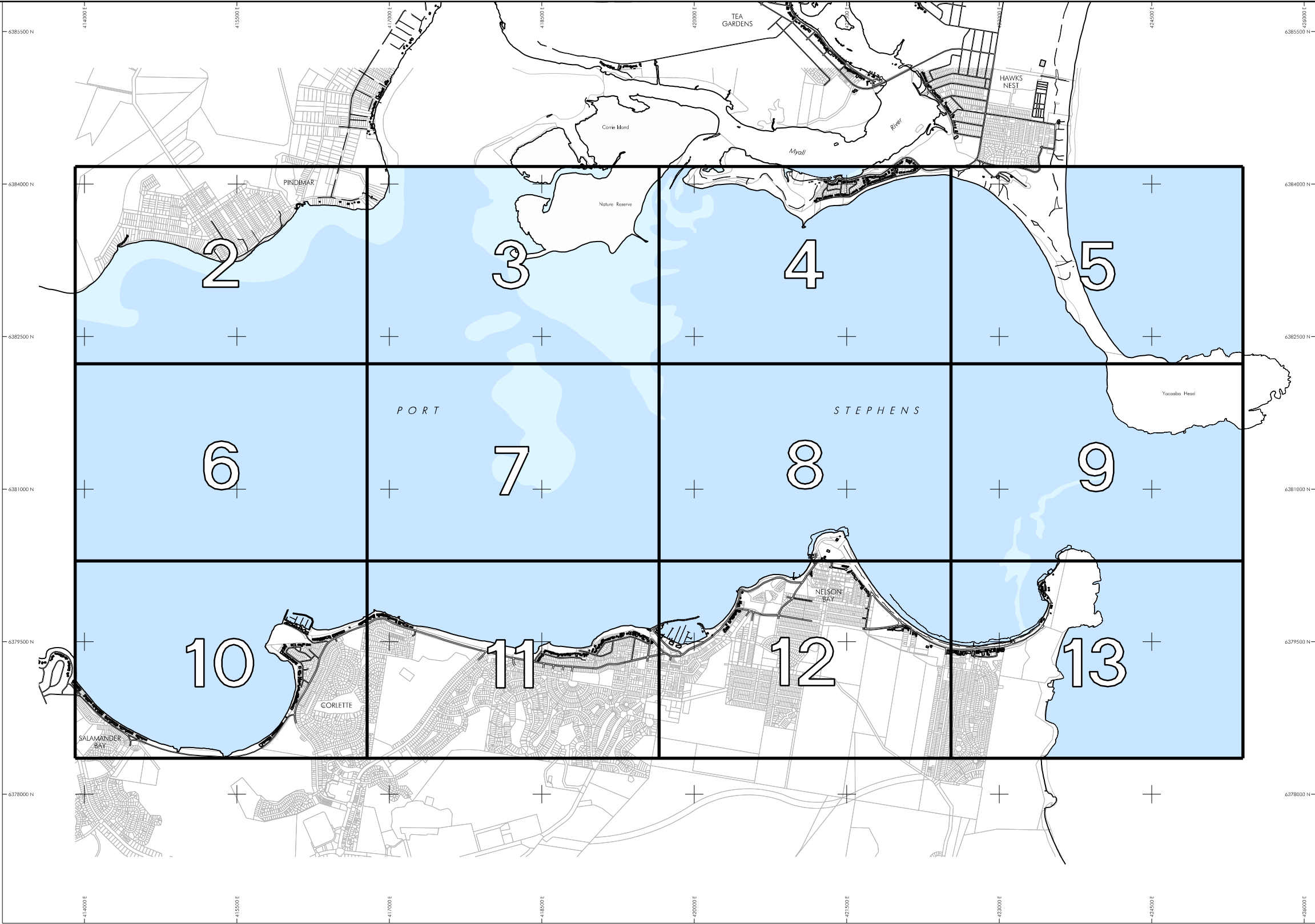
SURVEY VESSEL NAVIGATION - DERIVED BY REAL TIME DIFFERENTIAL GPS USING THE CHINASTAR 3100 LRS SUB METRE SYSTEM.

CONTOURS - HAVE BEEN SMOOTHED FOR THE PURPOSE OF CLARITY OF PRESENTATION ON THIS PLAN. IN SOME AREAS THE LOCATION OF THE SMOOTHED CONTOURS MAY NOT ALWAYS AGREE WITH THE ADJACENT DATA POINTS. THE ACTUAL DATA POINTS SHOULD ALWAYS BE USED FOR ANY DATA ANALYSES.

BATHYMETRY - DERIVED USING AN ODOM ECHO-TRAC MARK3 HYDROGRAPHIC ECHO SOUNDER WITH ODOM TM000-B TRANSDUCER AND TSS DMS 2-10 HEAVE COMPENSATOR.

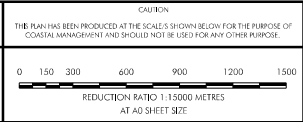
PHOTOGRAMMETRIC COMPONENT - ROCK OUTCROPS, ROADS, TRACKS, BUILDINGS, ETC HAVE BEEN LOCATED BY AERIAL PHOTOGRAPHY.

SURVEYED BY - D.E.C.C. COASTAL AND FLOODPLAIN UNIT - NEWCASTLE



MC	DETAILS OF AMENDMENTS	APPROVED	DATE
Plan prepared by DEPARTMENT OF COMMERCE SURVEYING & SPATIAL INFORMATION SERVICES LEVEL 14 JACKELL BUILDING 2-24 RAWSON PLACE SYDNEY TEL: (02) 9372 7907 FAX: (02) 9372 7922 www.commerce.nsw.gov.au			

DATUM: AUSTRALIAN HEIGHT DATUM



COORDINATES	• MGA ZONE 56
CONTOUR INTERVAL	• 0.5 metre
SURVEYOR	• S. HOLZMANN
SURVEY DATES	• OCTOBER - NOVEMBER 2007
PROJECT CONTROLLER	• D. HANCOCK
CARD OPERATOR	• J. DEMARCO
PLAN DRAWN BY	• S. SAUNDERS

Department of Environment & Climate Change NSW

COASTAL MANAGEMENT PROGRAM - NEWCASTLE
SURVEYOR: <i>[Signature]</i> 10/03/2010
PROJECT CONTROLLER: <i>[Signature]</i>
PLAN EXAMINER:

PORT STEPHENS HYDROGRAPHIC SURVEY - 2007 INDEX SHEET
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SHEET No. (1:15,000) 1 / 1
No. IN SET 1 / 13
PLAN ROOM CAT No. 56217