

DEPOSITION AREA SET-OUT POINTS

POINT	EASTING	NORTHING
4	551404	8885326
5	551567	8885282
6	551766	8885214
7	552096	8885171
8	552497	8885183
9	552909	8885217
9b	553059	8885215
10	553282	8885211
11	553556	8885189
12	553732	8885165
13	553879	8885132
14	553954	8885107
15	553969	8885050
18	554296	8884890
19	554348	8884842
20	554483	8884699
21	554549	8884632
P28	554270	8884910
P29	554195	8884960
P30	554077	8885015

DEPOSITION AREA SET-OUT POINTS

POINT	EASTING	NORTHING
110	551466	8885520
111	551712	8885448
112	552002	8885411
113	552338	8885395
114	552732	8885409
115	553059	8885401
116	553259	8885381
117	553547	8885329
118	553876	8885241
119	554269	8885094
120	554430	8884958
121	554579	8884826
122	554723	8884718
123	554026	8885186

This drawing has been produced using the "DEVELOPMENT AGREEMENT" Drawing 9700998-DA-Ex09-01 Rev B, "Placement Areas" and Drawing No. 940172/13 Rev C "Stage 1B Nourishment Area design" from the Existing Section 86 Sanction dated 15 March 2001

NOTES

- NEARSHORE BATHYMETRY BASED ON HYDROGRAPHIC SURVEY UNDERTAKEN BY GOLD COAST CITY COUNCIL IN DECEMBER 2014
- ALL LEVELS ARE IN METRES RELATIVE TO AUSTRALIAN HEIGHT DATUM (AHD)
- CO-ORDINATES ARE TO GDA 94 /MGA ZONE 56
- REFER TO DRAWING DPA-3 FOR TIDAL INFORMATION
- ALL CLEAR BOXES ARE EXISTING DEPOSITION AREAS
- EXTENT OF KIRRA REEF BASED ON PHOTOGRAMMETRIC ANALYSIS OF AERIAL PHOTOGRAPHY CAPTURED IN APRIL 2013
- DEPOSITION MATERIAL WILL BE CLEAN MARINE SAND AND TO COMPLY WITH THE FOLLOWING REQUIREMENTS:
(i) 0.15mm < D50 < 0.35mm
(ii) CLAY/SILT < (0.075mm) < 3%



NSW DEPARTMENT OF PRIMARY INDUSTRIES
QUEENSLAND DEPARTMENT OF SCIENCE, INFORMATION TECHNOLOGY AND INNOVATION

TWEED RIVER ENTRANCE SAND BYPASSING PROJECT
PERMITS AND APPROVALS
EXTENSION OF DREDGE PLACEMENT AREAS - PLACEMENT AREA 2B
PLAN

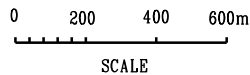
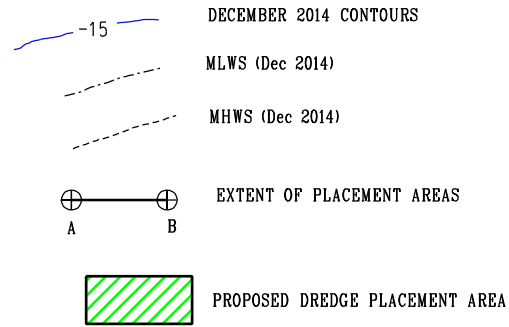
DATE: 27-07-2015
DRAWING NO:
DPA-1

Rv:

CODE	DESCRIPTION	APPROVED
	REVISIONS AND APPROVALS	



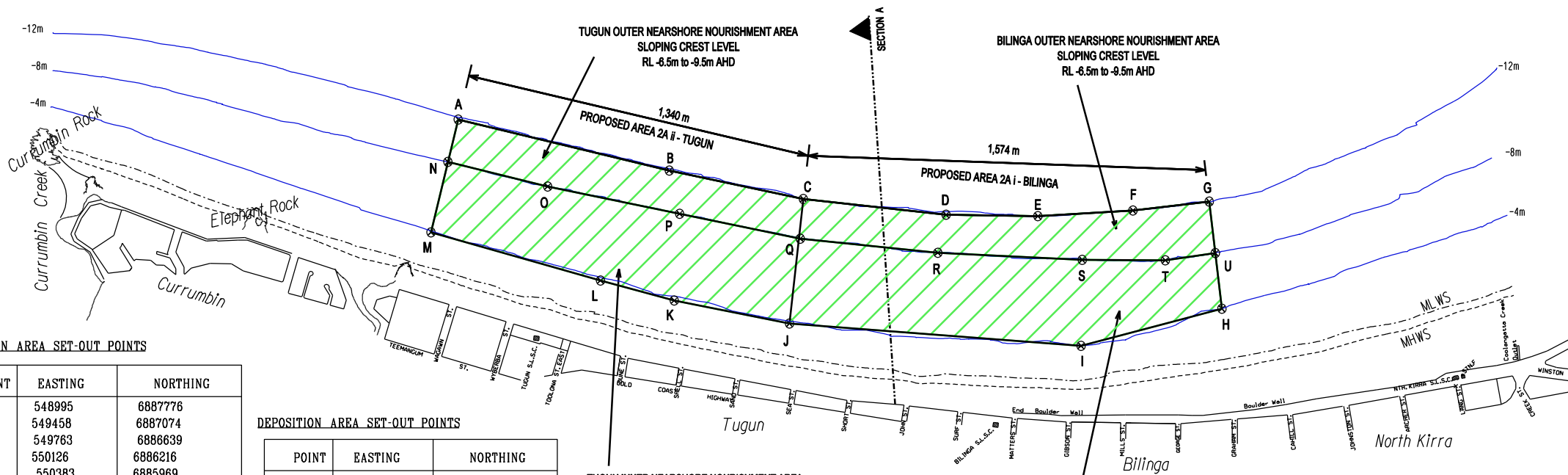
LEGEND



SOUTH PACIFIC OCEAN

NOTES

1. NO BLASTING PERMITTED
2. REFER TO DRG. No. DPA-3 FOR SECTIONS
3. CO-ORDINATES SHOWN TO GDA 94 /MGA ZONE 56
4. ALL LEVELS ARE IN METRES REFERENCED AUSTRALIAN HEIGHT DATUM (AHD)
5. OFFSHORE BED CONTOURS ARE BASED ON SURVEY CARRIED OUT BY GOLD COAST CITY COUNCIL IN DECEMBER 2014
6. DEPOSITION MATERIAL WILL BE CLEAN MARINE SAND AND TO COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - (I) 0.15mm < D50 < 0.35mm
 - (II) CLAY/SILT < (0.075mm) < 3%



DEPOSITION AREA SET-OUT POINTS

POINT	EASTING	NORTHING
A	548995	6887776
B	549458	6887074
C	549763	6886639
D	550126	6886216
E	550383	6885969
F	550667	6885735
G	550907	6885558
H	550660	6885221
I	550162	6885488
J	549394	6886322
K	549128	6886693
L	548972	6886944
M	548619	6887529

DEPOSITION AREA SET-OUT POINTS

POINT	EASTING	NORTHING
N	548853	6887684
O	549071	6887350
P	549373	6886924
Q	549650	6886534
R	550002	6886131
S	550393	6885728
T	550627	6885507
U	550788	6885396



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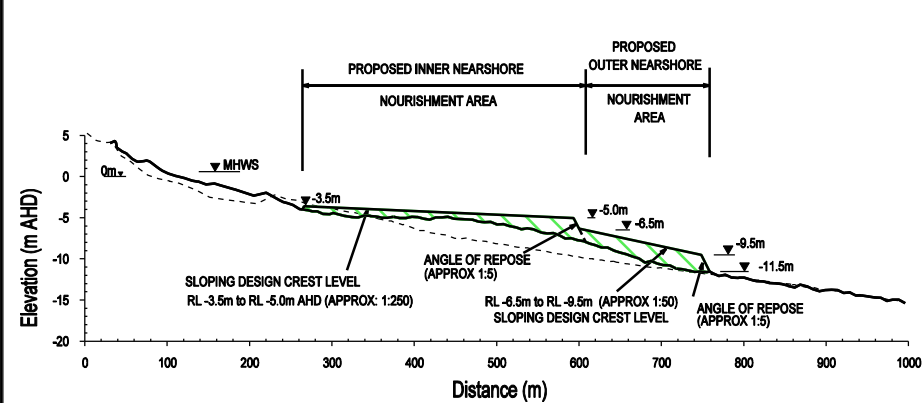
TWEED RIVER ENTRANCE SAND BYPASSING PROJECT
PERMITS AND APPROVALS
EXTENSION OF DREDGE PLACEMENT AREAS - PLACEMENT AREA 2A
PLAN

DATE: 27-07-2015

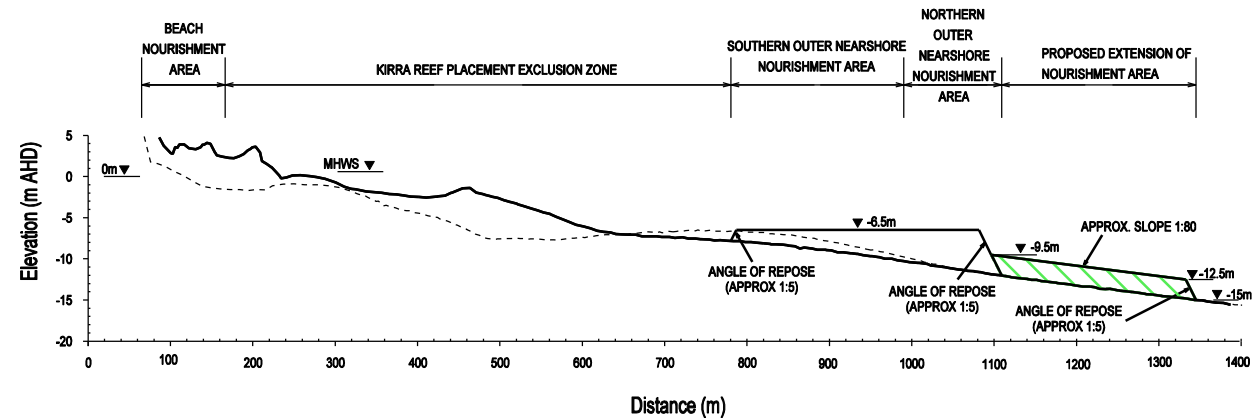
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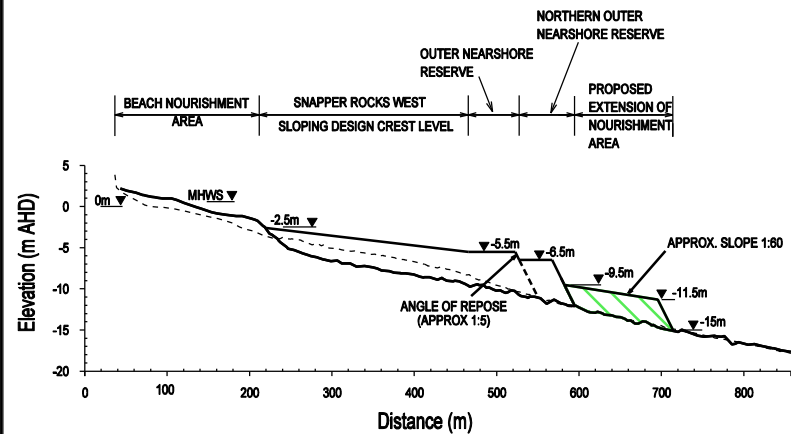
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	REVISIONS AND APPROVALS	



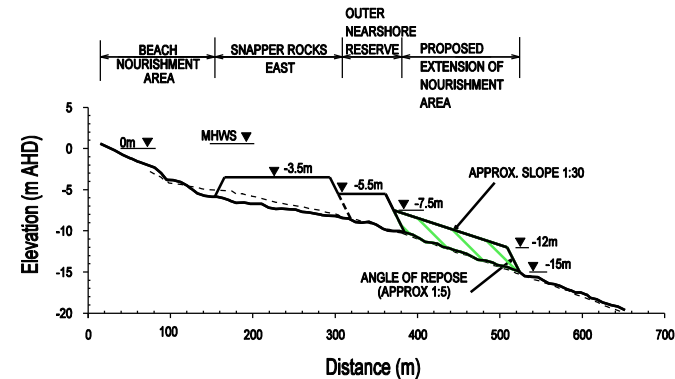
SECTION - A



SECTION - B



SECTION - C



SECTION - D

LEGEND:

December 2014 survey profile
March 2000 survey profile

PROPOSED DREDGE PLACEMENT AREA

This drawing has been produced using the "DEVELOPMENT AGREEMENT" Drawing 9700996-DA-Ex09-02 Rev. D, "Placement Areas" and Drawing No. 940172/13 Rev C "Stage 1B Nourishment Area design" from the Existing Section 86 Sanction dated 15 March 2001

NOTES

- NEARSHORE BATHYMETRY BASED ON HYDROGRAPHIC SURVEY UNDERTAKEN BY GOLD COAST CITY COUNCIL IN DECEMBER 2014
- ALL LEVELS ARE IN METRES RELATIVE TO AUSTRALIAN HEIGHT DATUM (AHD)
- CO-ORDINATES ARE TO GDA 94 /MGA ZONE 56
- THE DESIGN SURFACE PROFILES SHOWN ARE INDICATIVE ONLY. RESULTANT ACTUAL PROFILES CAN NOT BE DEFINED DUE TO NATURAL DISPERSION BY WAVE ACTION.
- DEPOSITION MATERIAL WILL BE CLEAN MARINE SAND AND TO COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - 0.15mm < D50 < 0.35mm
 - CLAY/SILT < 0.075mm < 3%

TIDAL INFORMATION

MEAN HIGH WATER SPRINGS (MHWS) 0.586
MEAN SEA LEVEL (MSL) (AHD) 0
MEAN LOW WATER SPRINGS (MLWS) 0.545

(HORIZ) 0 50 100 150 200 250 m
(VERT) 0 5 10 15 20 25 m

SCALE

CODE	DESCRIPTION	APPROVED
REVISIONS AND APPROVALS		



NSW DEPARTMENT OF PRIMARY INDUSTRIES
QUEENSLAND DEPARTMENT OF SCIENCE, INFORMATION TECHNOLOGY AND INNOVATION

TWEED RIVER ENTRANCE SAND BYPASSING PROJECT
PERMITS AND APPROVALS
EXTENSION OF DREDGE PLACEMENT AREAS - PLACEMENT AREAS 2A and 2B
SECTIONS

DATE: 27-07-2015
DRAWING NO:
DPA-3

RV: