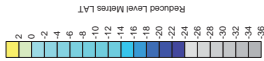


Appendix C

Western Channel

LEGEND

Limits of Investigation



NOTES

GEODETIC INFORMATION
Horizontal Datum: MAGDA 84 Zone 55
Vertical Datum: mefda LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



CLIENT DETAILS

AURECON AUSTRALASIA PTY LTD



marine & earth sciences



PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
SEA FLOOR LEVELS CONTOUR PLAN

SCALE 1:25,000 (if scaled)



Issue No.	Date	Revision	Drawn	Check
1	20/04/14	Initial	ph	ph
2	28/05/14	Revised	ph	ph
3	28/05/14	Revised	ph	ph
4	28/05/14	Revised	ph	ph

Figure No. 10
Sheet No. 10

LEGEND

Limits of Investigation

Reduced Level Meters LAT

NOTES

GEODETIC INFORMATION

Horizontal Datum: MAGSDA 84 Zone 55

Vertical Datum: median LAT

ISSUE STATE

The plan should be read in conjunction with the accompanying report

LOCATION MAP

CLIENT DETAILS

AURECON AUSTRALASIA PTY LTD

PORT OF HASTINGS DEVELOPMENT PROJECT

MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS

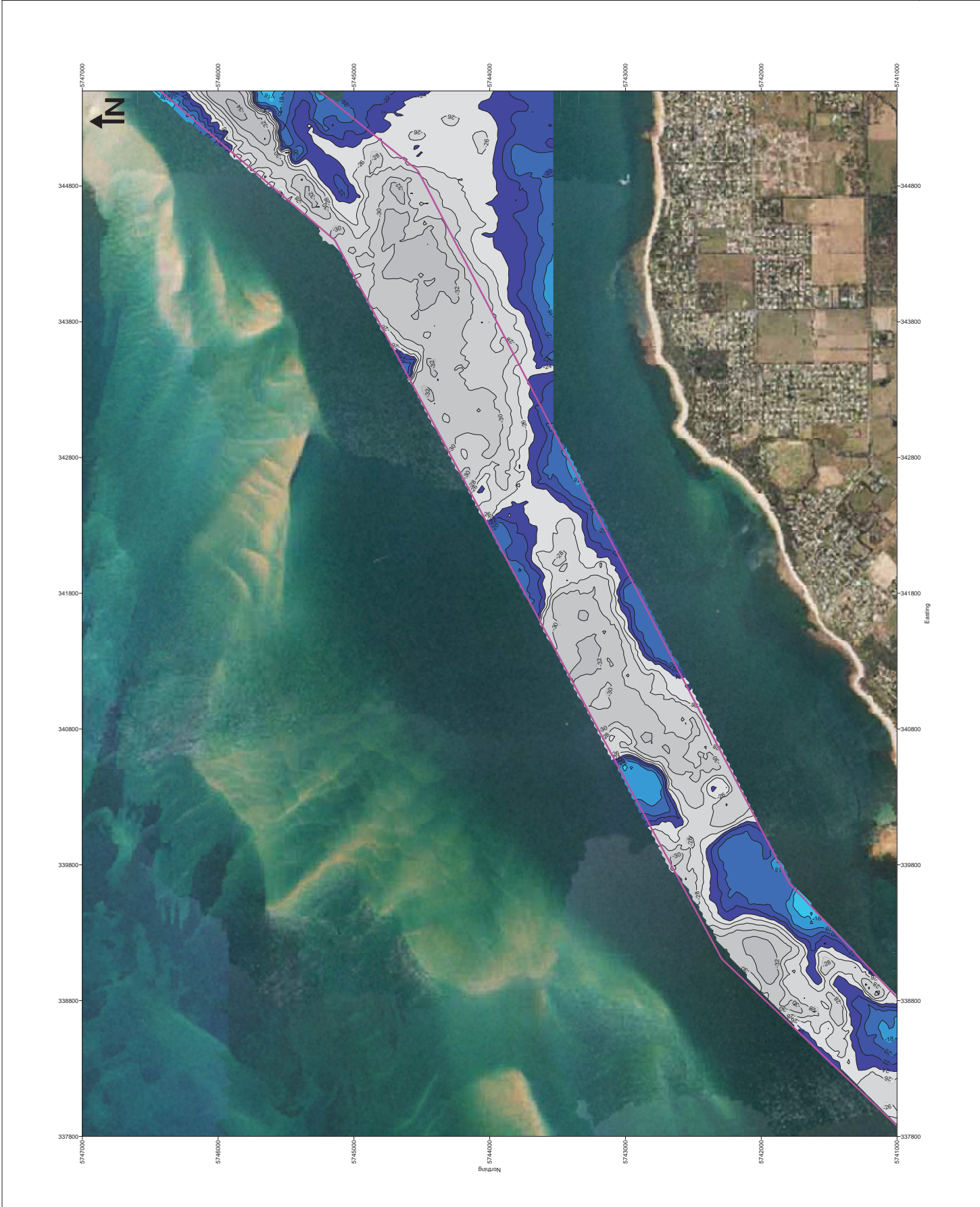
SEAFLOOR LEVELS CONTINUUM PLAN

SCALE 1:125,000 (A1 sheet)

Issue No	Date	Dissemination	Scale	Format	Drawn	Plot
1	2020/04	Drawn	25	pdf	gsk	gsk
2	2020/04	Drawn	25	pdf	gsk	gsk

Client Drawing No: Figure No: Sheet No:

C2



LEGEND

Limits of Investigation



NOTES

GEODETIC INFORMATION
Horizontal Datum: MGA80DA 84 Zone 55
Vertical Datum: median LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



CLIENT DETAILS

AURECON AUSTRALASIA PTY LTD
aurecon
marine & earth sciences

PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
SEAFLOOR LEVELS CONTOUR PLAN

SCALE 1:175,000 (A1 sheet)



Issue No.	Date	Drawn	Checked	Project Ref
1	2024-01-14	From Data	ph	424
2	2024-01-14	From Data	ph	424
3	2024-01-14	From Data	ph	424
Client Drawing No.	Figure No.	Sheet No.	Scale	North
	C3	1 of 1	1:175,000	True

LEGEND

Line WCN-1 = Start of SBP Line WCN-1 (0.0m)
BH125 = Historical Borehole Location
WC3 = Worley Parsons 2013-2014 Borehole Location

NOTES
Line label indicates start of line

GEODETIC INFORMATION
Horizontal Datum: MAGDA 84 Zone 55
Vertical Datum: median LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP




CLIENT DETAILS

AURECON AUSTRALASIA PTY LTD
marine & earth sciences

PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
HASTINGS MARINE DEVELOPMENT
SUB BOTTON PROSILUS SURVEY
VESSEL TRACK LOG

SCALE 1:25,000 (A3 sheet)

		Survey Date: JAN FEB 14		Project Ref: 424	
Issue No	Date	Description	Start	Interp	Drawn
1	07/04/14	TP	da	da	da
2	07/08/14	TP	da	da	da
4	4/09/14	TP	da	da	da
Plant Drawing No.			Figure No.		Sheet No.

LEGEND

- Line WQJ-1 = Start of SBP Line WQJ-1 (0.0m)
BH123 = Historical Borehole Location
WQJ = Worley Parsons 2013-2014 Borehole Location

NOTES

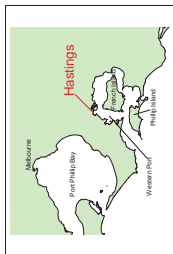
Line label indicates start of line

GEODETIC INFORMATION
Horizontal Datum: MGA50DA 94 Zone 55
Vertical Datum: molras LAT

DISCLAIMER

This plot should be read in conjunction with the accompanying report

LOCATION MAP



CLIENT DETAILS

AURECON AUSTRALASIA PTY LTD



PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
PORT OF HASTINGS
SUB-BOTTOM PROSPECTION SURVEY
VESSEL: TRACKPOINT

SCALE 1:25,000 (A4 sheet)

0	250	500	750	1000
---	-----	-----	-----	------

Issue No.	Date	Drawn	Checked	Project Ref
1	09/04/14	TP	dp	dp
2	09/05/14	TP	dp	dp
3	09/05/14	TP	dp	dp
4	09/05/14	TP	dp	dp
5	09/05/14	TP	dp	dp
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98	09/05/14	TP	dp	dp
99	09/05/14	TP	dp	dp
100	09/05/14	TP	dp	dp

Figure No.

C5

LEGEND

Line WCS-1 = Start of BP Line WCS-1 (0.0m)
BH126 = Historical Borehole Location
WCS3 = Worley Parsons 2013-2014 Borehole Location

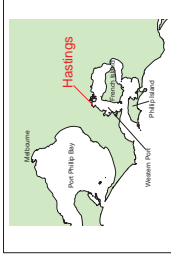
NOTES

Line label indicates start of line

GEODETIC INFORMATION
Horizontal Datum: MAGDA 84 Zone 55
Vertical Datum: molras LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



CLIENT DETAILS

AURECON AUSTRALASIA PTY LTD
aurecon
marine & earth sciences

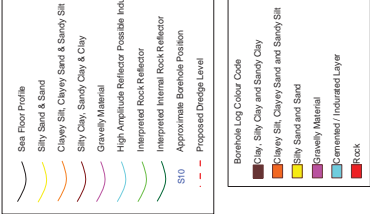
PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
SUB-BOTTOM PROFILES SURVEY
WINTER TRACPROF101

SCALE 1:175,000 (A1 sized)



Issue No.	Date	Issue Description	Drawn	Checked
1	05/04/14	IT	gsk	gsk
2	05/04/14	IT	gsk	gsk
3	05/04/14	IT	gsk	gsk
4	05/04/14	IT	gsk	gsk
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100	05/04/14	IT	gsk	gsk

LEGEND



NOTES

GEOSYNTHETIC INFORMATION
Horizontal Datum: MGA83M 54 Zone 55
Vertical Datum: Indian LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



CLIENT DETAILS
AURECON AUSTRALASIA PTY LTD

marine & earth sciences

COST OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
WESTERN CHANNEL
SUB-BOTTOM PROFILING SURVEY (CHIPS & BOOMER)
INTERPRETED RESULTS AND CONCLUSIONS
LINES WCN1-1 TO WCN1-4

SCALE 1:1 (0.00 V1:1.00 AT 90m)

Sheet No.	Date	Issue	Drawn	Rev	Drawn	Rev
1	15/04/14	001	001	001	001	001
2	15/04/14	001	001	001	001	001
3	15/04/14	001	001	001	001	001
4	15/04/14	001	001	001	001	001
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97	15/04/14	001	001	001	001	001
98	15/04/14	001	001	001	001	001
99	15/04/14	001	001	001	001	001
100	15/04/14	001	001	001	001	001

Figure No. C7

LEGEND

- Sea Floor Profile
- Silt, Sand & Sand
- Clayey Silt, Clayey Sand & Sandy Silt
- Silt, Clay, Sandy Clay & Clay
- Gravelly Material
- High Amplitude Reflector Possible Indurated Layer
- Interpreted Rock Reflector
- Interpreted Internal Rock Reflector
- S10 Approximate Borehole Position
- Proposed Drilling Level

- Borehole Log Colour Code
- Clay, Silt, Clay and Sandy Clay
 - Clayey Silt, Clayey Sand and Sandy Silt
 - Silt, Sand and Sand
 - Gravelly Material
 - Cemented / Indurated Layer
 - Rock

NOTES

GEODETIC INFORMATION
Horizontal Datum: MAGDA 84 Zone 55
Vertical Datum: mefda LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



CLIENT DETAILS

AURECON AUSTRALASIA PTY LTD
aurecon
marine & earth sciences

PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
PORT OF HASTINGS DEVELOPMENT PROJECT
SUB-BOTTOM PROFILES SURVEY (CHIRP & BOOMER)
INTERPRETED SEISMIC SECTIONS
LINES WCN-10 TO WCN-16

SCALE 1:10,000 V1:1,000 (A1 sheet)

Issue No.	Date	Revision	Drawn	Check
1	2024-04	001	JPB	JPB
2	2024-04	002	JPB	JPB
3	2024-04	003	JPB	JPB
4	2024-04	004	JPB	JPB
5	2024-04	005	JPB	JPB
6	2024-04	006	JPB	JPB
7	2024-04	007	JPB	JPB
8	2024-04	008	JPB	JPB
9	2024-04	009	JPB	JPB
10	2024-04	010	JPB	JPB
11	2024-04	011	JPB	JPB
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24	2024-04	024	JPB	JPB
25	2024-04	025	JPB	JPB
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LEGEND

Sea Floor Profile

Silty Sand & Sand

Clayey Sil, Clayey Sand & Sandy Sil

Silty Clay, Sandy Clay & Clay

Gravelly Material

High Amplitude Reflector Possible Indurated Layer

Interpreted Rock Reflector

Interpreted Internal Rock Reflector

Approximate Borehole Position

S10

Proposed Dredge Level

Borehole Log Colour Code

Clay, Silty Clay and Sandy Clay

Clayey Sil, Clayey Sand and Sandy Sil

Silty Sand and Sand

Gravelly Material

Cemented / Indurated Layer

Rock

NOTES

GEODETIC INFORMATION

Horizontal Datum: MGA80DA SA Zone 55

Vertical Datum: meleva LAT

DISCLAIMER

This plan should be read in conjunction with the accompanying report

LOCATIONMAP

CLIENT DETAILS

AURECON AUSTRALASIA PTY LTD

marine & earth sciences

PROJECT OF HASTINGS DEVELOPMENT PROJECT

MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS

PORT OF HASTINGS

SUB-BOTTOM PROFILES SURVEY (CHIRP & BOOMER)

INTERPRETED SEISMIC SECTIONS

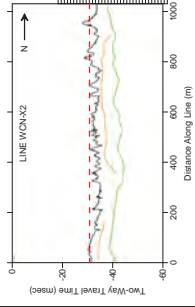
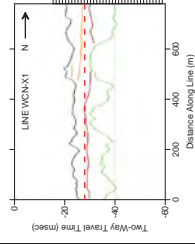
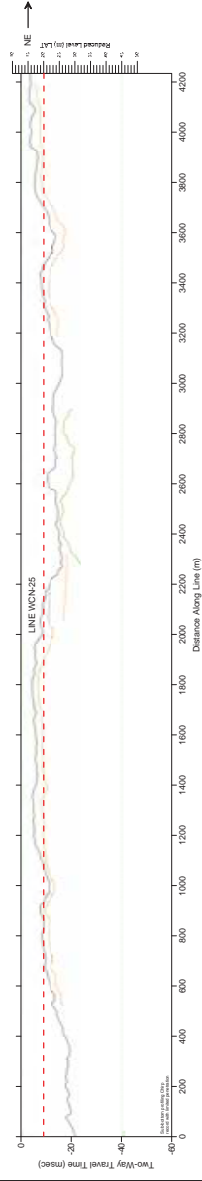
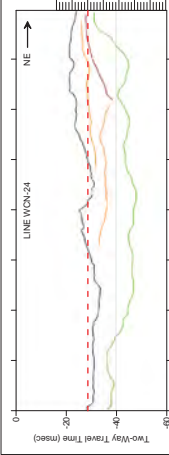
LINE WCN-17 TO WCN-23

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2	10/02/14	SBP BS	A4	pdf	John	John
3	10/02/14	SBP BS	A4	pdf	John	John

Figure No.

C9



- LEGEND
- Sea Floor Profile
 - Silty Sand & Sand
 - Clayey Silt, Clayey Sand & Sandy Silt
 - Silty Clay, Silty Clay & Clay
 - Gravelly Material
 - High Amplitude Reflector Possible Indurated Layer
 - Interpreted Rock Reflector
 - Interpreted Internal Rock Reflector
 - Approximate Borehole Position
 - S10
 - Proposed Design Level

- Borehole Log Colour Code
- Clay, Silty Clay and Sandy Clay
 - Clayey Silt, Clayey Sand and Sandy Silt
 - Silty Sand and Sand
 - Gravelly Material
 - Cemented / Indurated Layer
 - Rock

NOTES

GEODETTIC INFORMATION
Horizontal Datum: MGA80DA 84 Zone 55
Vertical Datum: medius LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATIONMAP



CLIENT DETAILS
AURECON AUSTRALASIA PTY LTD



PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
SUB-BOTTOM PROFILES SURVEY (CHIRP & BOOMER)
INTERPRETED SEISMIC SECTIONS
LINES WCN-24 TO WCN-27
SCALE 1:10,000 V1:1.000 (A1 sheet)

SCALE 1:10,000 V1:1.000 (A1 sheet)

Survey Date: JAN-FEB 14			Project Ref: 424			
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LEGEND

- Sea Floor Profile

Silty Sand & Sand

Clayey Sil. Clayey Sand & Sandy Silt

Silty Clay, Sandy Clay & Clay

Gravelly Material

High Amplitude Reflector Possible Indurated Layer

Interpreted Rock Reflector

Interpreted Internal Rock Reflector

Approximate Borehole Position

S10

Proposed Drifted Level
- Borehole Log Colour Code

Clay, Silty Clay and Sandy Clay

Clayey Sil. Clayey Sand and Sandy Silt

Silty Sand and Sand

Gravelly Material

Commented / Indurated Layer

Rock

NOTES

GEODETIC INFORMATION
Horizontal Datum: IGA80/DA 94 Zone 55
Vertical Datum: median LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



CLIENT DETAILS
AURECON AUSTRALASIA PTY. LTD
marine & earth sciences

PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
PORT OF HASTINGS DEVELOPMENT PROJECT
SUB-BOTTOM PROFILES SURVEY (CHIRP & BOOMER)
INTERPRETED STRATIGRAPHIC SECTIONS
LINES WCM-1 TO WCM-7
SCALE 1:10,000 V1:1.000 (A1 sheet)

Issue No.	Date	Issue Description	Drawn	Checked	Project
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2	11/05/14	RIP 003	gms	gms	gms
Client Drawing No.	Figure No.	Sheet No.	Scale	Units	Notes
	C11				

LEGEND

- Sea Floor Profile

Silty Sand & Sand

Clayey Silt, Clayey Sand & Sandy Silt

Silty Clay, Sandy Clay & Clay

Gravelly Material

High Amplitude Reflector Possible Indurated Layer

Interpreted Rock Reflector

Interpreted Internal Rock Reflector

Approximate Bomboke Position

S10

Proposed Design Level
- Bomboke Log Colour Code

Clay, Silty Clay and Sandy Clay

Clayey Silt, Clayey Sand and Sandy Silt

Silty Sand and Sand

Gravelly Material

Cemented / Indurated Layer

Rock

NOTES

GEODETIC INFORMATION
Horizontal Datum: MAGDA 84 Zone 55
Vertical Datum: mefda LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



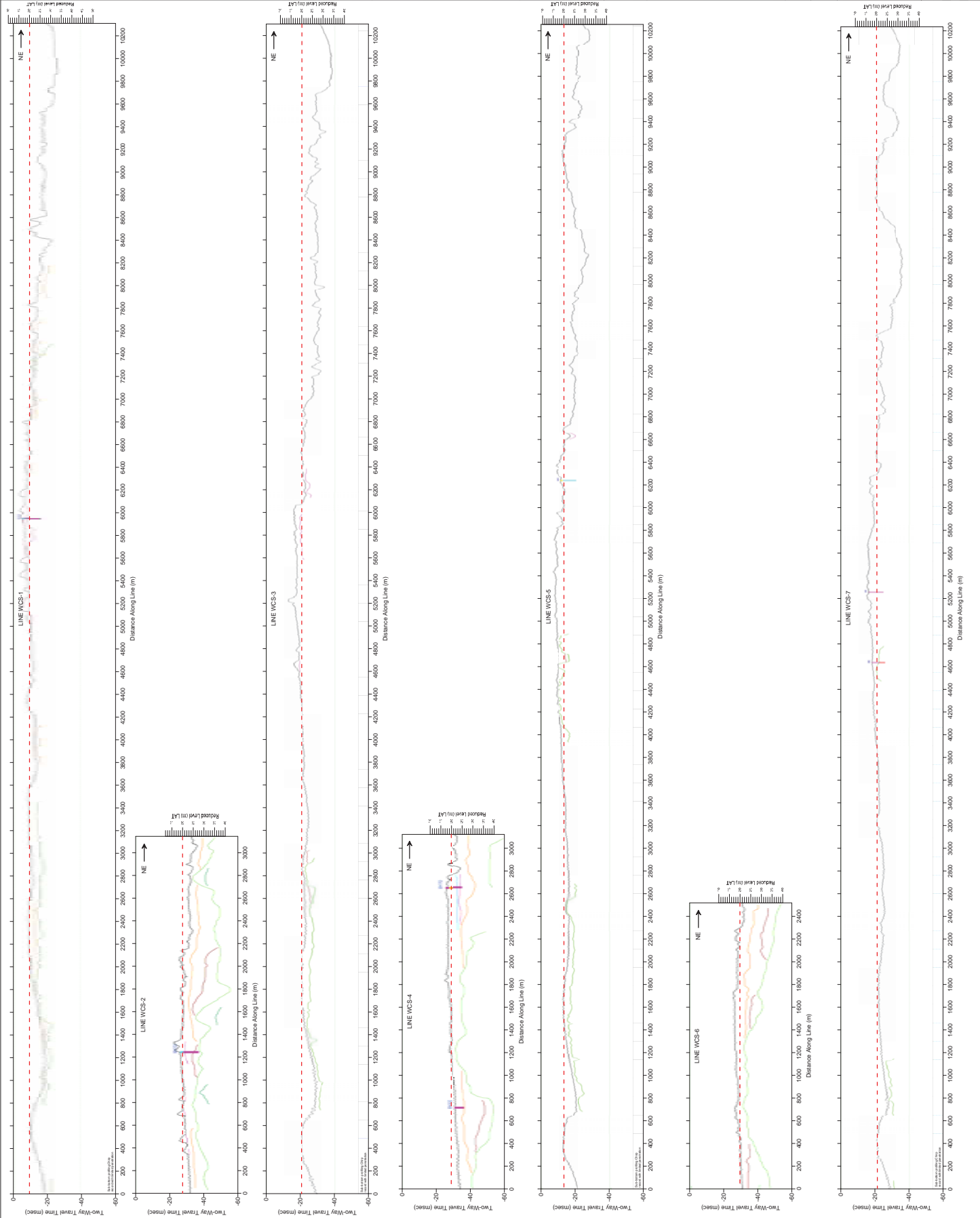
CLIENT DETAILS
AURECON AUSTRALASIA PTY LTD
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marine & earth sciences

PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
PORT OF HASTINGS DEVELOPMENT PROJECT
SUB-BOTTOM PROFILES SURVEY (CHIRP & BOOMER)
INTERPRETED STRATIGRAPHIC SECTIONS
LINES WCM-15 TO WCM-20
SCALE 1:10,000 V1:1.000 (A1 sheet)

Survey Date: JAN FEB 14 | Project Ref: 424

Issue No.	Date	Revised	By	For	Drawn	Plot
1	2014-01-14	SGP/BS	SGP/BS	SGP/BS	SGP/BS	SGP/BS
2	2014-01-14	SGP/BS	SGP/BS	SGP/BS	SGP/BS	SGP/BS
3	2014-01-14	SGP/BS	SGP/BS	SGP/BS	SGP/BS	SGP/BS
Client Drawing No.	Figure No.	Sheet No.	Scale	Units	Projection	Map
	C13					



LEGEND

Sea Floor Profile

Silty Sand & Sand

Clayey Silt, Clayey Sand & Silty Silt

Silty Clay, Silty Sand & Clay

Gravelly Material

High Amplitude Reflector Possible Indurated Layer

Interpreted Rock Reflector

Approximate Borehole Position

S10

Proposed Dredge Level

Borehole Log Color Code

Clay, Silty Clay and Silty Sand

Clayey Silt, Clayey Sand and Silty Sand

Silty Sand and Sand

Gravelly Material

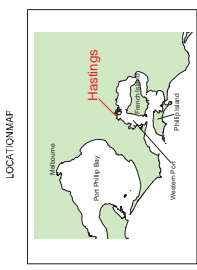
Cemented / Indurated Layer

Rock

NOTES

LALCJH 10 INK JAMA ILLIN
Horizontal Datum: MGA/GDA94 Zone 55
Vertical Datum: MSL

Scale: 1:10,000
This plan should be read in conjunction with the accompanying report



CLIENT DETAILS
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PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
SUB-BOTTOM PROSILUS SURVEY (CHIRP & BOEMER)
INTERPRETED BATHYMETRIC SECTIONS
LINES WCS-1 TO WCS-7

SCALE: H 10,000 V 1,000 (A1 Sheet)

Sheet No.	Survey Date	Project Ref	Project Ref
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98	2014	Ref 424	Ref 424
99	2014	Ref 424	Ref 424
100	2014	Ref 424	Ref 424

LEGEND

- Sea Floor Profile
 - Silty Sand & Sand
 - Clayey Silt, Clayey Sand & Sandy Silt
 - Silty Clay, Sandy Clay & Clay
 - Gravelly Material
 - High Amplitude Reflector Possible Indurated Layer
 - Interpreted Rock Reflector
 - Interpreted Internal Rock Reflector
 - Approximate Borehole Position
 - S10 - Proposed Drifter Level
- Borehole Log Colour Code
- Clay, Silty Clay and Sandy Clay
 - Clayey Silt, Clayey Sand and Sandy Silt
 - Silty Sand and Sand
 - Gravelly Material
 - Cemented / Indurated Layer
 - Rock

NOTES

GEODETIC INFORMATION
Horizontal Datum: MGA2020 SA Zone 55
Vertical Datum: mean LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



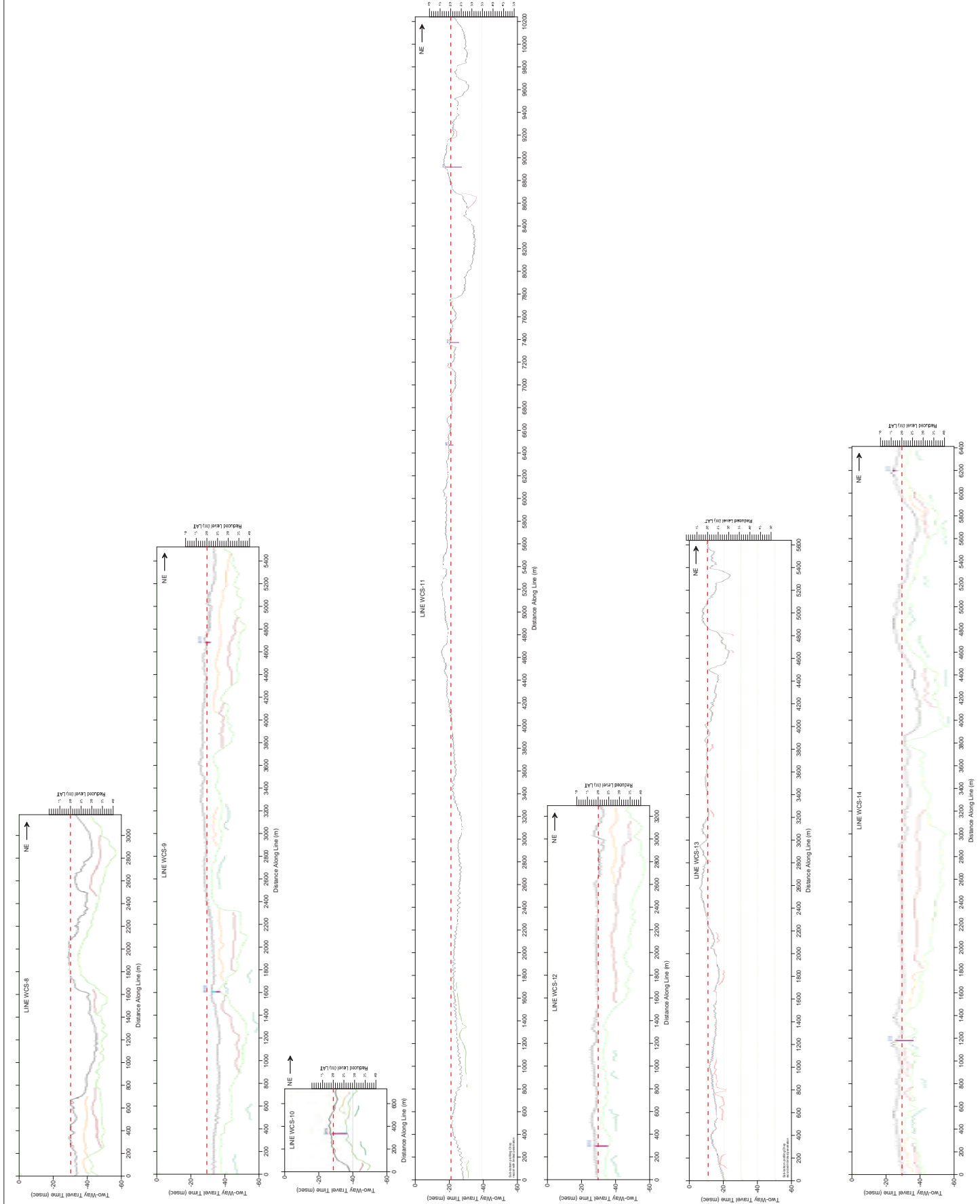
CLIENT DETAILS
AURECON AUSTRALASIA PTY LTD
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marine & earth sciences

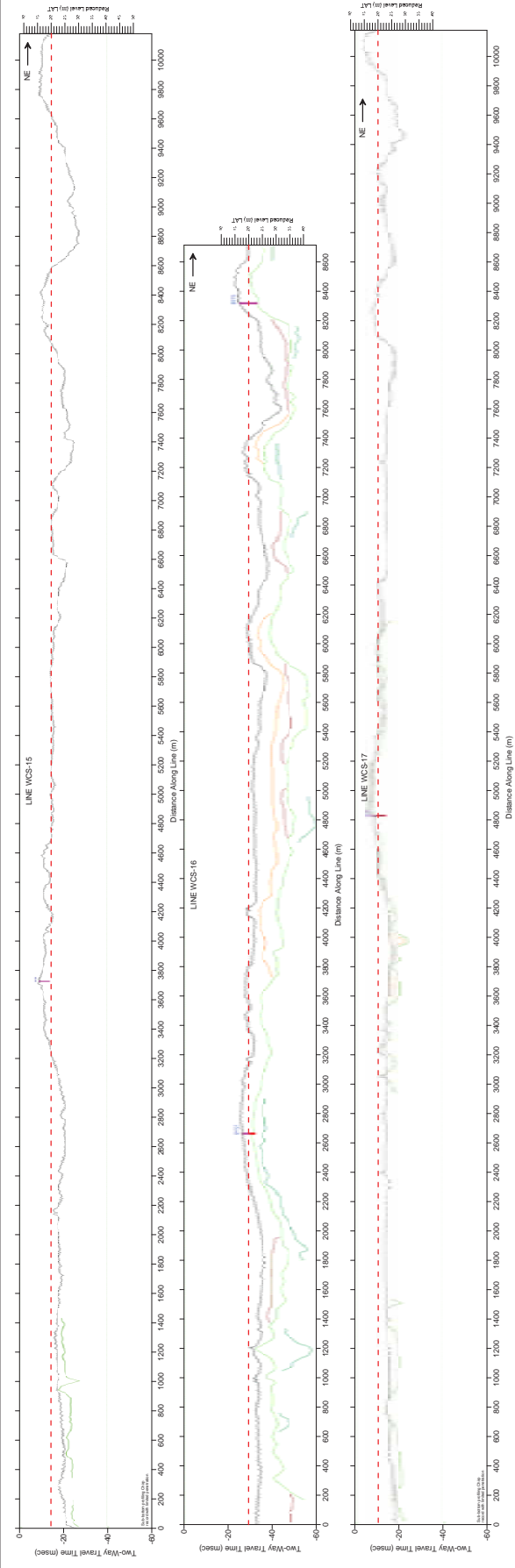
PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
WESTERN CHANNEL
SUB-BOTTOM PROFILING SURVEY (CHRP & BOOMER)
INTERPRETED SUB-BOTTOM STRATIGRAPHY
LINES WCS-8 TO WCS-14
SCALE 1:15,000 V1:109 (A1 sheet)

Sheet No.	Date	Drawn By	Checked By	Project No.
1	15/08/24	SGP/MS	MS	MS
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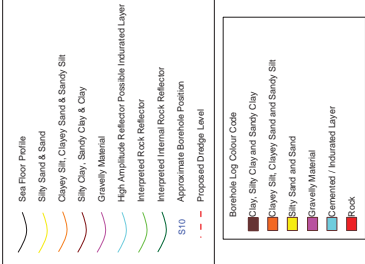
Survey Date: 15/08/24
Project Ref: 424

Sheet No. 15 of 20
Page No. C15





LEGEND



NOTES

GEODETIC INFORMATION
Horizontal Datum: MAGADAN 84 Zone 55
Vertical Datum: MWSN 84

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



CLIENT DETAILS

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PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL SURVEYS
WESTERN CHANNEL
SUB-BOTTOM PROFILING SURVEY (CHRP & BOOMER)
INTERPRETED SEISMIC SECTIONS
LINES WCS-15 TO WCS-17

SCALE H1:15 000 V1:1000 (A1 sheet)

Sheet No.	Date	Revision	Project Ref.
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LEGEND



NOTES

GEODETIC INFORMATION
Horizontal Datum: MAGSD04 SA Zone 55
Vertical Datum: medina LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



CLIENT DETAILS

AURECON AUSTRALASIA PTY LTD
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PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOGRAPHICAL AND HYDROGRAPHIC SURVEYS
SUBSTATION POSING LINE SURVEY
INTERPRETED ROCK LEVELS CONTOUR PLAN

SCALE 1:125,000 (A1 sheet)



Issue No.	Date	Revision	Description	Drawn	Checked	Project
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3	19/08/14	1	Revised	gpe	gpe	gpe
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LEGEND



NOTES

GEODETIC INFORMATION
Horizontal Datum: MGA2008 SA Zone 55
Vertical Datum: molras LAT

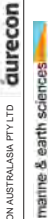
DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



CLIENT DETAILS

AURECON AUSTRALASIA PTY LTD



PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
SUB-BOTTOM PROSILING SURVEY
INTERPRETED ROCK LEVELS CONTOUR PLAN

SCALE 1:25,000 (A3 sheet)



Issue No	Date	Survey Date	Drawn	Project Ref
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LEGEND

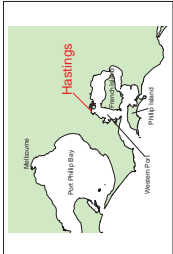


NOTES

GEODETIC INFORMATION
Horizontal Datum: MGA2000 SA Zone 55
Vertical Datum: molras LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report

LOCATION MAP



CLIENT DETAILS

AURECON AUSTRALASIA PTY LTD
aurecon
marine & earth sciences

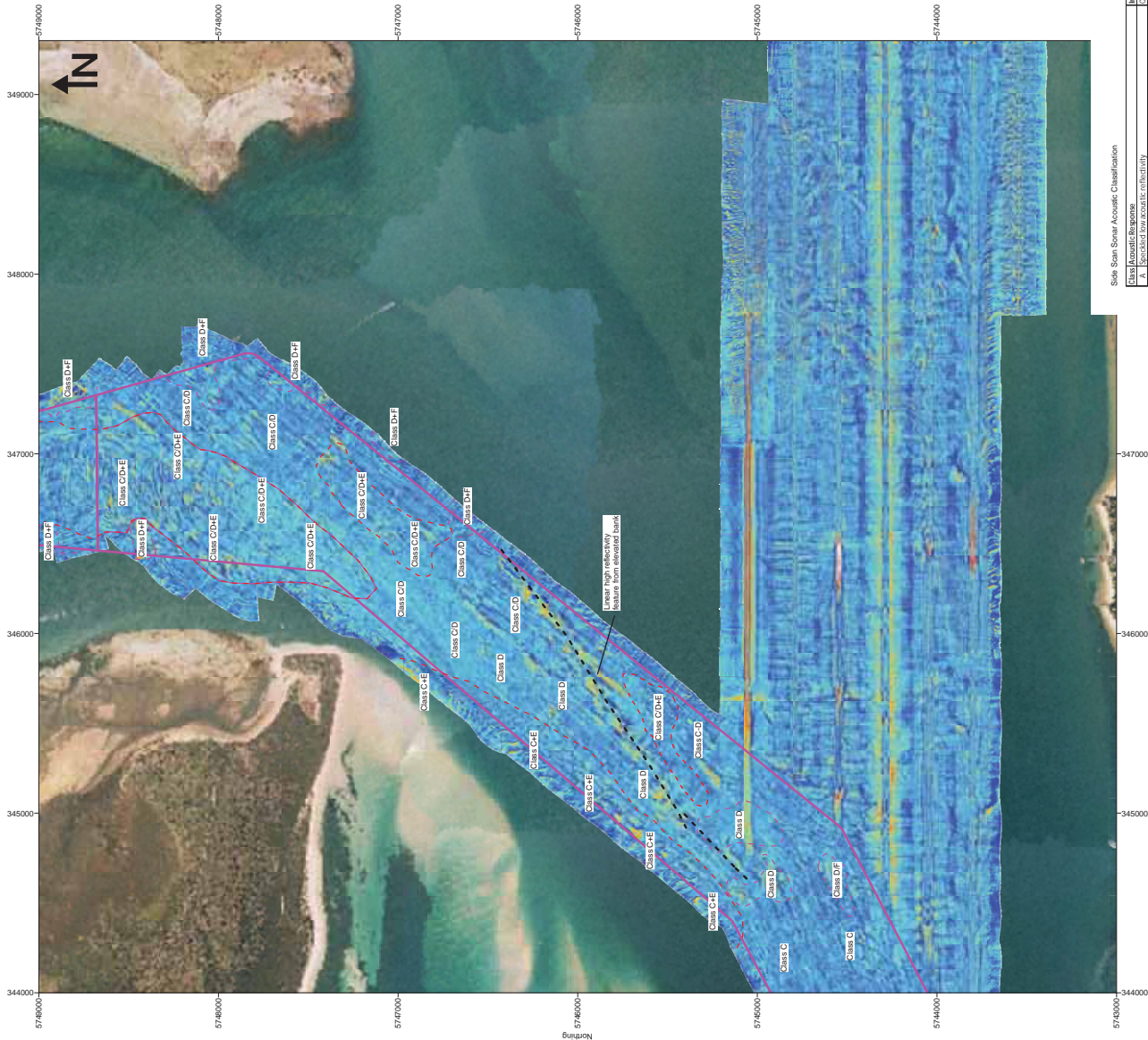
PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
PORT OF HASTINGS DEVELOPMENT
SIDE SCAN SONAR SURVEY
MOSAIC AND BEACHFLOOR MAPPING

SCALE 1:25,000 (A1 sheet)

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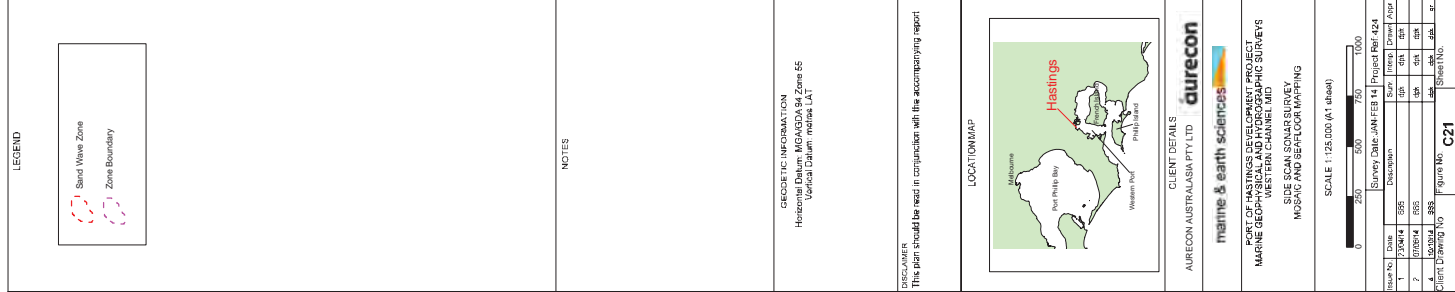
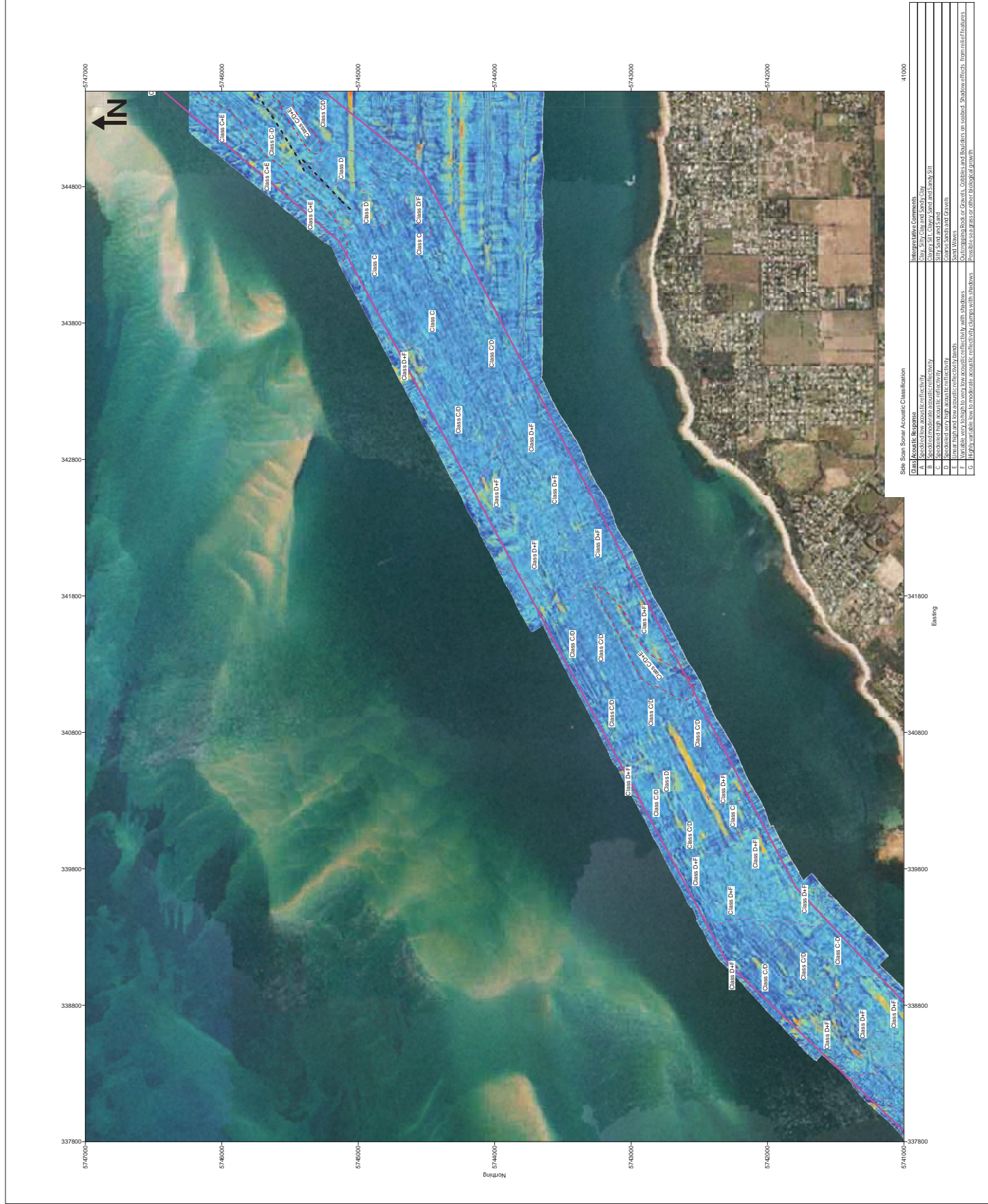
figure 16

C20



Side Scan Sonar Acoustic Classification

Acoustic Signature	Interpretative Comments
A. Specified low acoustic reflectivity	Very Silty Clay and Silt Clay
B. Specified moderate acoustic reflectivity	Clay Silt, Clay Silt and Sandy Silt
C. Specified high acoustic reflectivity	Silt, Sand and Sand
D. Specified very high acoustic reflectivity	Silt, Sand and Sand
E. Specified very low acoustic reflectivity	Silt, Sand and Sand
F. Specified very high acoustic reflectivity	Silt, Sand and Sand
G. Specified very low acoustic reflectivity	Silt, Sand and Sand
H. Specified very high acoustic reflectivity	Silt, Sand and Sand
I. Specified very low acoustic reflectivity	Silt, Sand and Sand
J. Specified very high acoustic reflectivity	Silt, Sand and Sand
K. Specified very low acoustic reflectivity	Silt, Sand and Sand
L. Specified very high acoustic reflectivity	Silt, Sand and Sand
M. Specified very low acoustic reflectivity	Silt, Sand and Sand
N. Specified very high acoustic reflectivity	Silt, Sand and Sand
O. Specified very low acoustic reflectivity	Silt, Sand and Sand
P. Specified very high acoustic reflectivity	Silt, Sand and Sand
Q. Specified very low acoustic reflectivity	Silt, Sand and Sand
R. Specified very high acoustic reflectivity	Silt, Sand and Sand
S. Specified very low acoustic reflectivity	Silt, Sand and Sand
T. Specified very high acoustic reflectivity	Silt, Sand and Sand
U. Specified very low acoustic reflectivity	Silt, Sand and Sand
V. Specified very high acoustic reflectivity	Silt, Sand and Sand
W. Specified very low acoustic reflectivity	Silt, Sand and Sand
X. Specified very high acoustic reflectivity	Silt, Sand and Sand
Y. Specified very low acoustic reflectivity	Silt, Sand and Sand
Z. Specified very high acoustic reflectivity	Silt, Sand and Sand





GEODETIC INFORMATION
Horizontal Datum: MAGSDA 84 Zone 55
Vertical Datum: median LAT

DISCLAIMER
This plan should be read in conjunction with the accompanying report



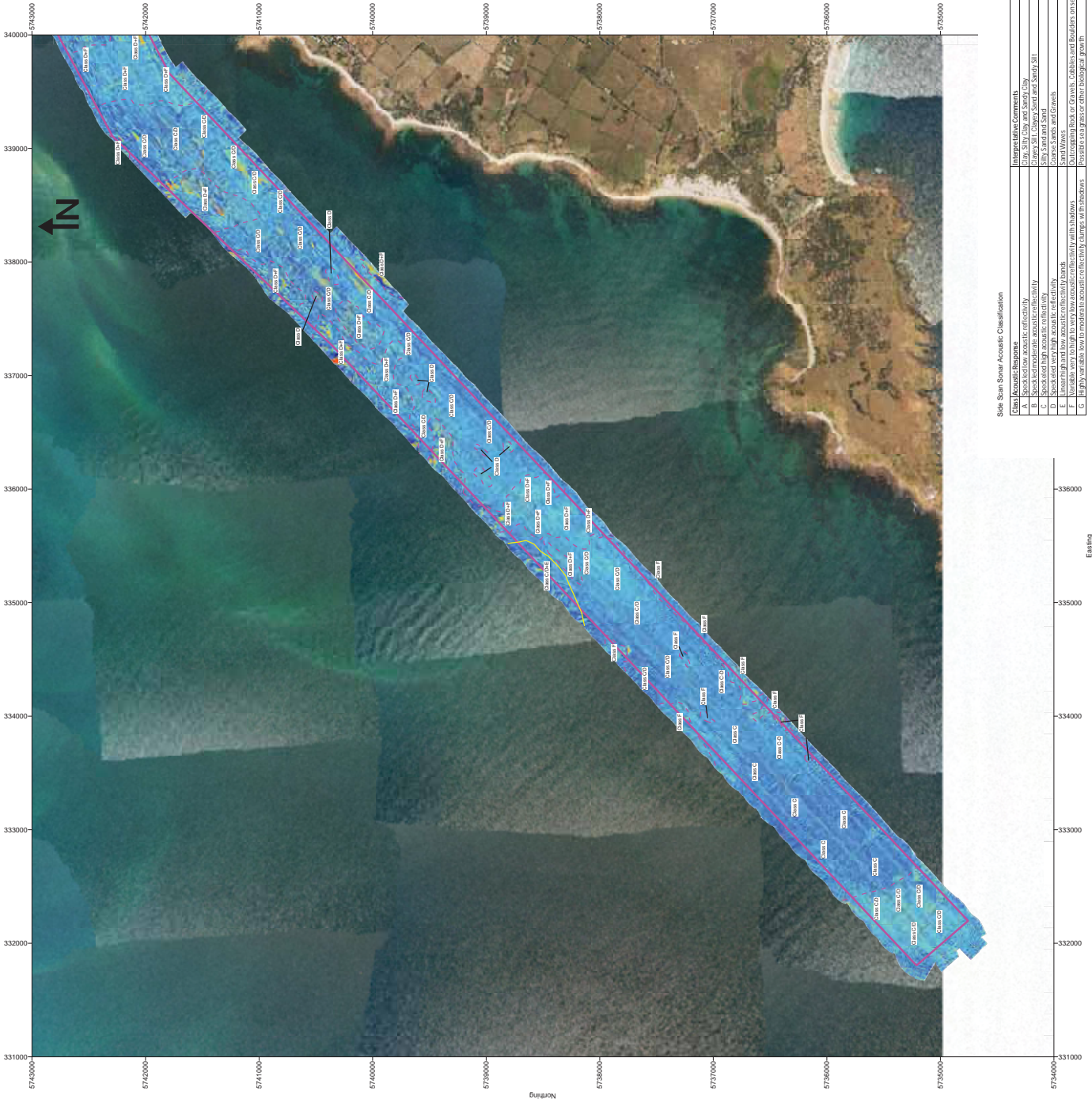
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aurecon
marine & earth sciences

PORT OF HASTINGS DEVELOPMENT PROJECT
MARINE GEOPHYSICAL AND HYDROGRAPHIC SURVEYS
SAND WAVE ZONE SURVEY
SAND WAVE ZONE SURVEY
MOSAIC AND BEDFORM MAPPING

SCALE 1:175,000 (A1 sized)



Issue No.	Date	Issue	Drawn	Check
1	2008-04	ISS	gph	gph
2	2008-04	ISS	gph	gph
3	2008-04	ISS	gph	gph
4	2008-04	ISS	gph	gph
5	2008-04	ISS	gph	gph
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9	2008-04	ISS	gph	gph
10	2008-04	ISS	gph	gph
11	2008-04	ISS	gph	gph
12	2008-04	ISS	gph	gph
13	2008-04	ISS	gph	gph
14	2008-04	ISS	gph	gph
15	2008-04	ISS	gph	gph
16	2008-04	ISS	gph	gph
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18	2008-04	ISS	gph	gph
19	2008-04	ISS	gph	gph
20	2008-04	ISS	gph	gph



Side Scan Sonar Acoustic Classification

Class	Acoustic Signature	Interpretative Comments
A	Speckled low acoustic reflectivity	Thin Silt Clay and Sand Clay
B	Speckled low acoustic reflectivity	Coarse Silt, Clayey Sand and Silt
C	Speckled high acoustic reflectivity	Silt Sand and Sand
D	Speckled high acoustic reflectivity	Silt Sand and Sand
E	Uniform high and low acoustic reflectivity	Sand Waves
F	Uniform high and low acoustic reflectivity	Outcropping Rock or Growth
G	Highly variable low to moderate acoustic reflectivity with shadows	Shadows on sand
H	Highly variable low to moderate acoustic reflectivity with shadows	Shadows on sand
I	Highly variable low to moderate acoustic reflectivity with shadows	Shadows on sand
J	Highly variable low to moderate acoustic reflectivity with shadows	Shadows on sand
K	Highly variable low to moderate acoustic reflectivity with shadows	Shadows on sand
L	Highly variable low to moderate acoustic reflectivity with shadows	Shadows on sand
M	Highly variable low to moderate acoustic reflectivity with shadows	Shadows on sand
N	Highly variable low to moderate acoustic reflectivity with shadows	Shadows on sand
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Y	Highly variable low to moderate acoustic reflectivity with shadows	Shadows on sand
Z	Highly variable low to moderate acoustic reflectivity with shadows	Shadows on sand