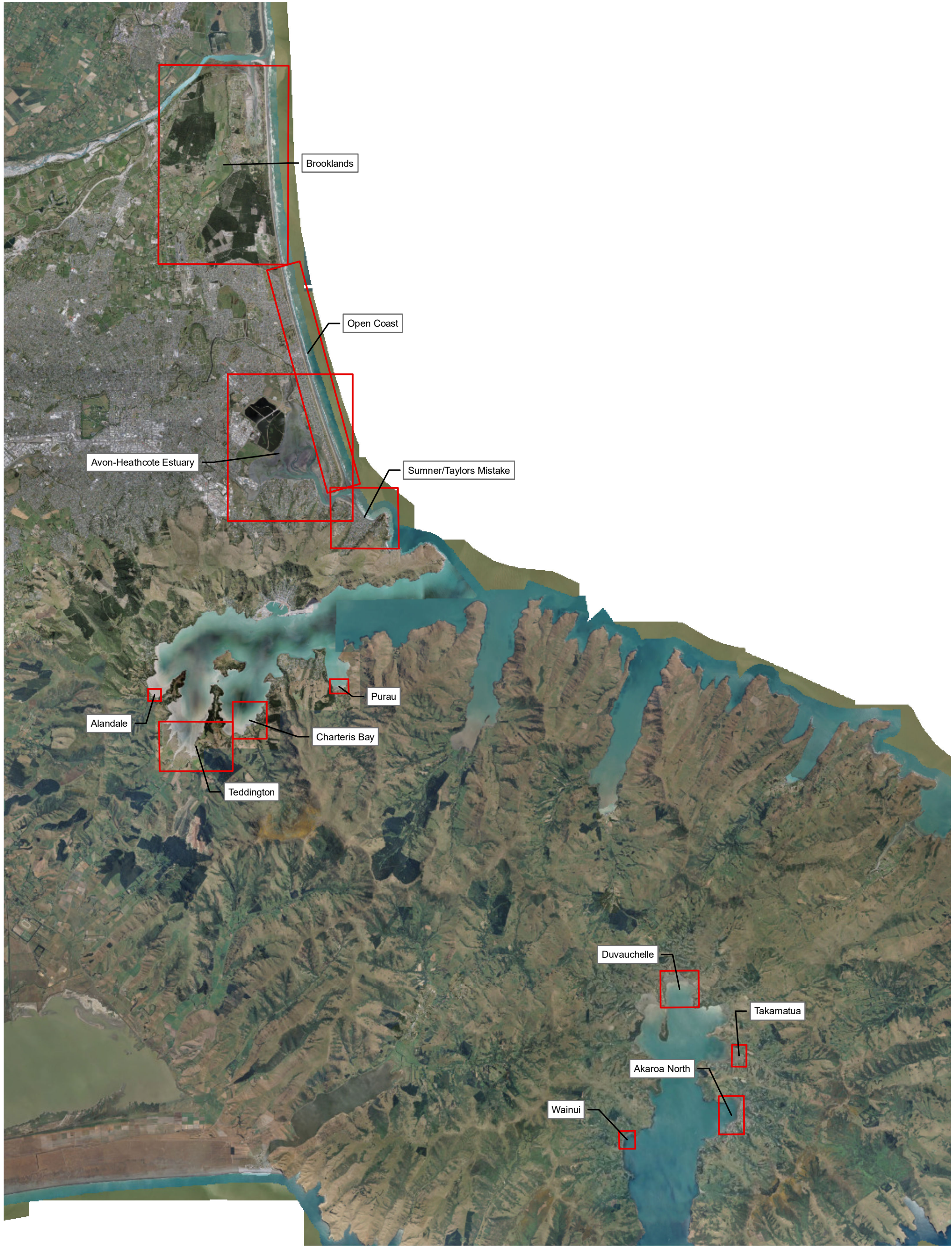
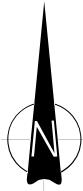
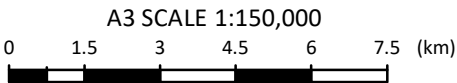


Appendix I: CIHZ result maps

Note: the assessment methodology and procedure used to present the information on the maps in Appendix I impose certain qualifications and limitations on its use. The maps are for indicative purposes only. The maps should be read and interpreted in conjunction with the main report. The coastal hazard information may be liable to change or review if new information is made available. Coastal inundation and/or erosion may occur at specific localised locations in addition to those shown on these maps. The hazard information is 'regional' in scope and should not be considered as a substitute for site specific investigations or assessments for any specific project.



Notes: Aerial Photography: Sourced from the LINZ Data Service and licensed for re-use under the Creative Commons Attribution 3.0 New Zealand licence





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ARCFIELD 851857-005-MAP031.mxd		
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PROJECT No. 851857.004		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Overview Map

FIGURE No. Figure I-00

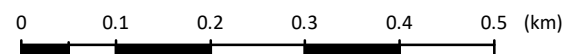
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Refer to note on map limitations on front page of Appendix I.

Christchurch City 0.075 Urban Aerial Photos (2015 - 2016)
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Levels Based on LVD-37

A3 SCALE 1:8,000



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ARCFILE 851857-005-MAP027.mxd SCALE (AT A3 SIZE)		
1:8,000		
PROJECT No.		
851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Sumner - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 01

Rev. 0

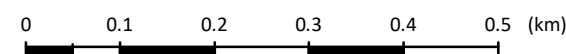
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A3 SCALE 1:8,000



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APPROVED		
ARCFILE 851857-005-MAP028.mxd SCALE (AT A3 SIZE)		
1:8,000		
PROJECT No.		
851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Sumner - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 02

Rev. 0



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Christchurch City 0.075 Urban Aerial Photos (2015 - 2016)
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Levels Based on LVD-37

A3 SCALE 1:2,000
0 0.02 0.04 0.06 0.08 0.1 (km)



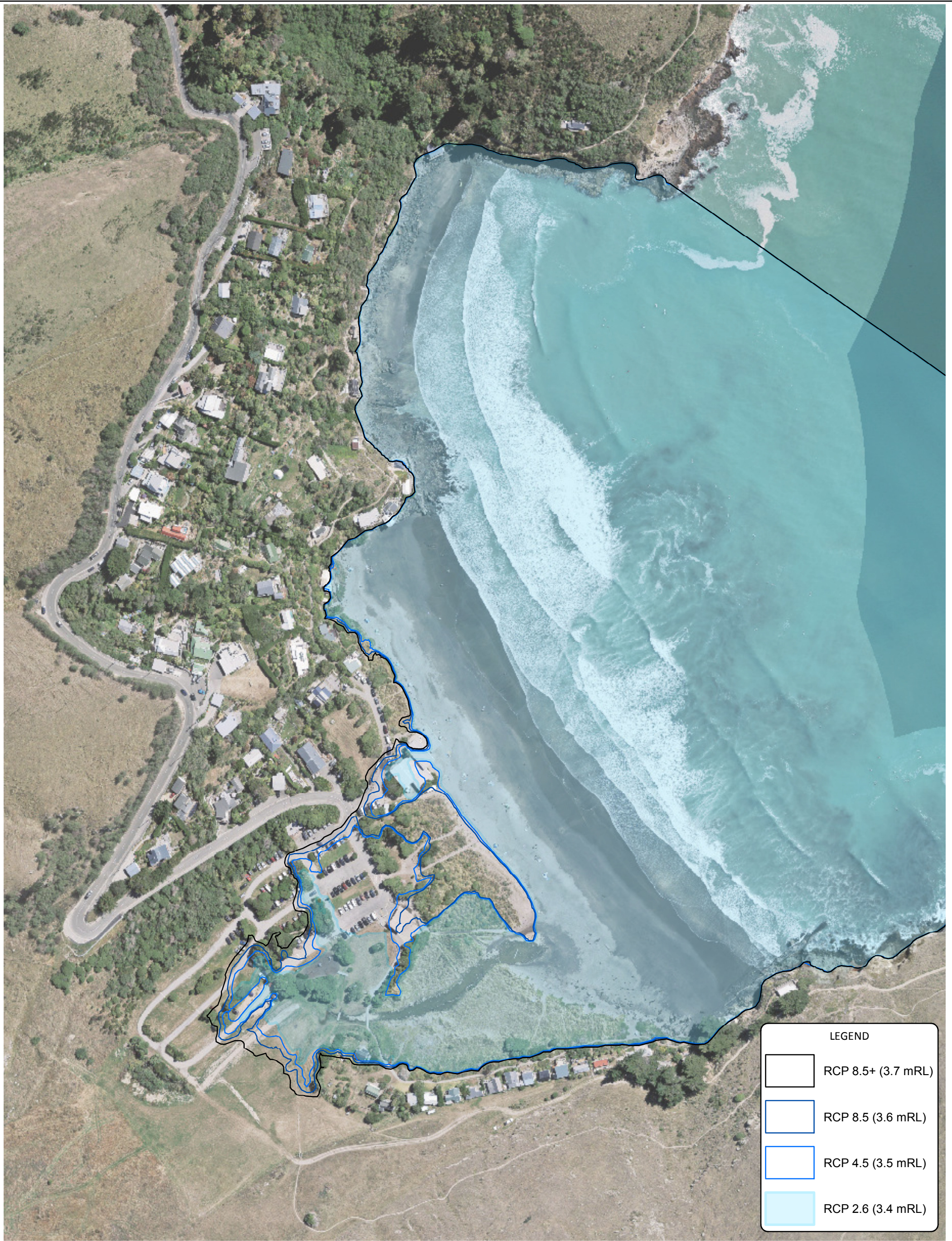
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DRAWN	DXLR	Oct.17
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PROJECT No. 851857.005		

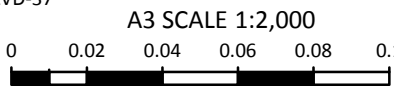
CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Taylors Mistake - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 03

Rev. 0



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CHECKED		
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ARCFIELD 851857-005-MAP030.mxd		
SCALE (AT A3 SIZE) 1:2,000		
PROJECT No. 851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Taylors Mistake - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 04

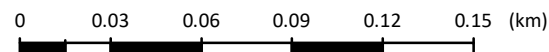
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Refer to note on map limitations on front page of Appendix I.

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Levels Based on LVD-37

A3 SCALE 1:2,500



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DRAWN	DXLR	Oct.17
CHECKED		
APPROVED		
ARCFILE 851857-005-MAP013.mxd SCALE (AT A3 SIZE)		
1:2,500		
PROJECT No. 851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Alandale - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I -05

Rev. 0

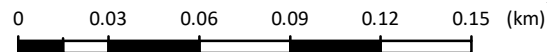
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Christchurch City 0.075 Urban Aerial Photos (2015 - 2016)
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Levels Based on LVD-37

A3 SCALE 1:2,500



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DRAWN	DXLR	Oct.17
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APPROVED		
ARCFILE 851857-005-MAP014.mxd SCALE (AT A3 SIZE)		
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PROJECT No.		
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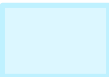
CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Alandale - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 05

Rev. 0

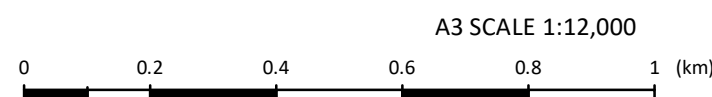
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LEGEND	
	RCP 8.5+ (2.8 mRL)
	RCP 8.5 (2.8 mRL)
	RCP 4.5 (2.7 mRL)
	RCP 2.6 M

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Levels Based on LVD-37




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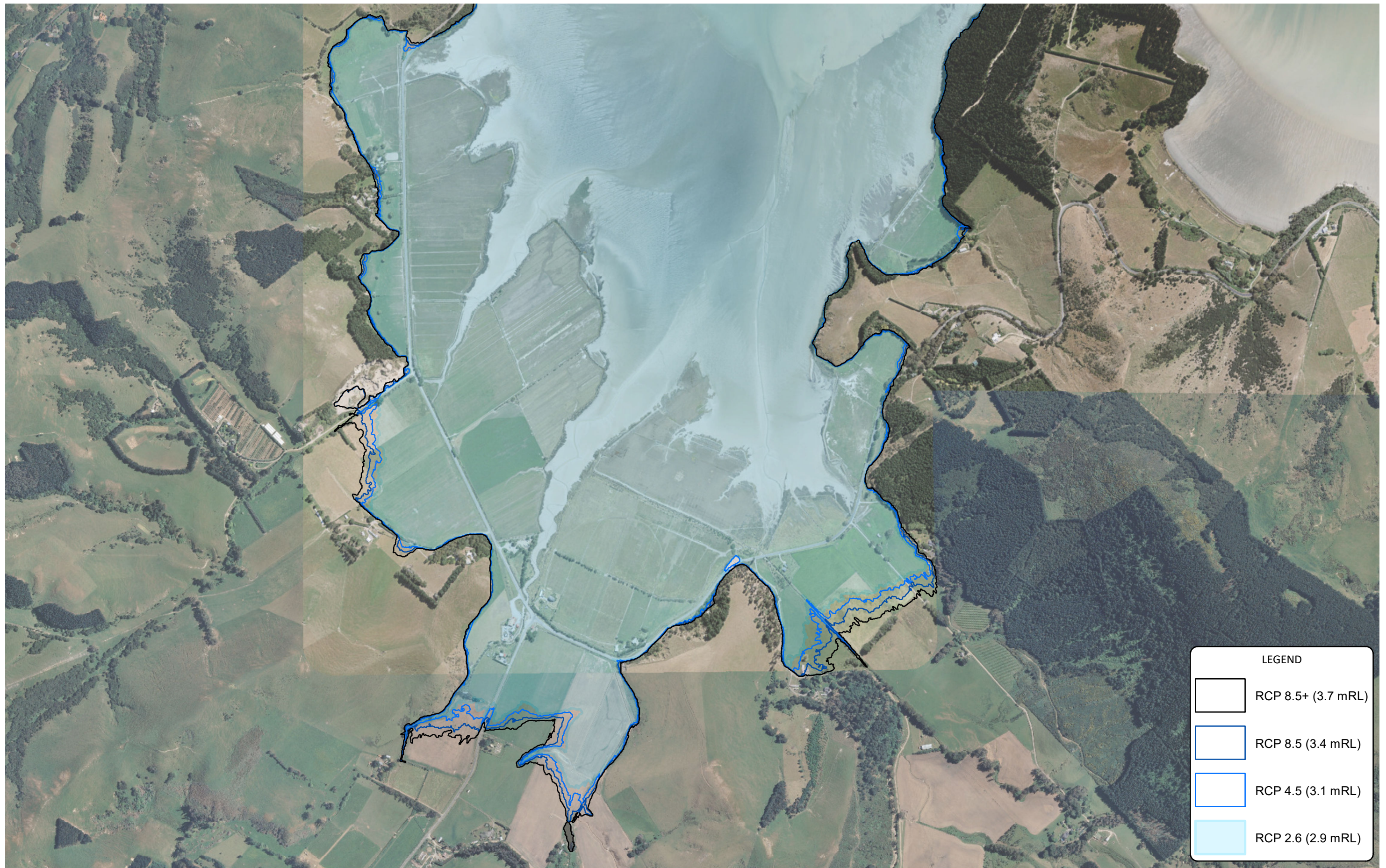
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PROJECT No.		
851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Teddington - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 07

Rev. 0

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Levels Based on LVD-37

A3 SCALE 1:12,000



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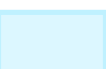
CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Teddington - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 08

Rev. 0

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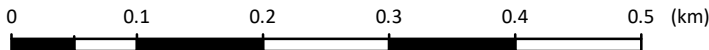


LEGEND	
	RCP 8.5+ (2.7 mRL)
	RCP 8.5 (2.6 mRL)
	RCP 4.5 (2.5 mRL)
	RCP 2.6 (2.5 mRL)

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Levels Based on LVD-37

A3 SCALE 1:6,000




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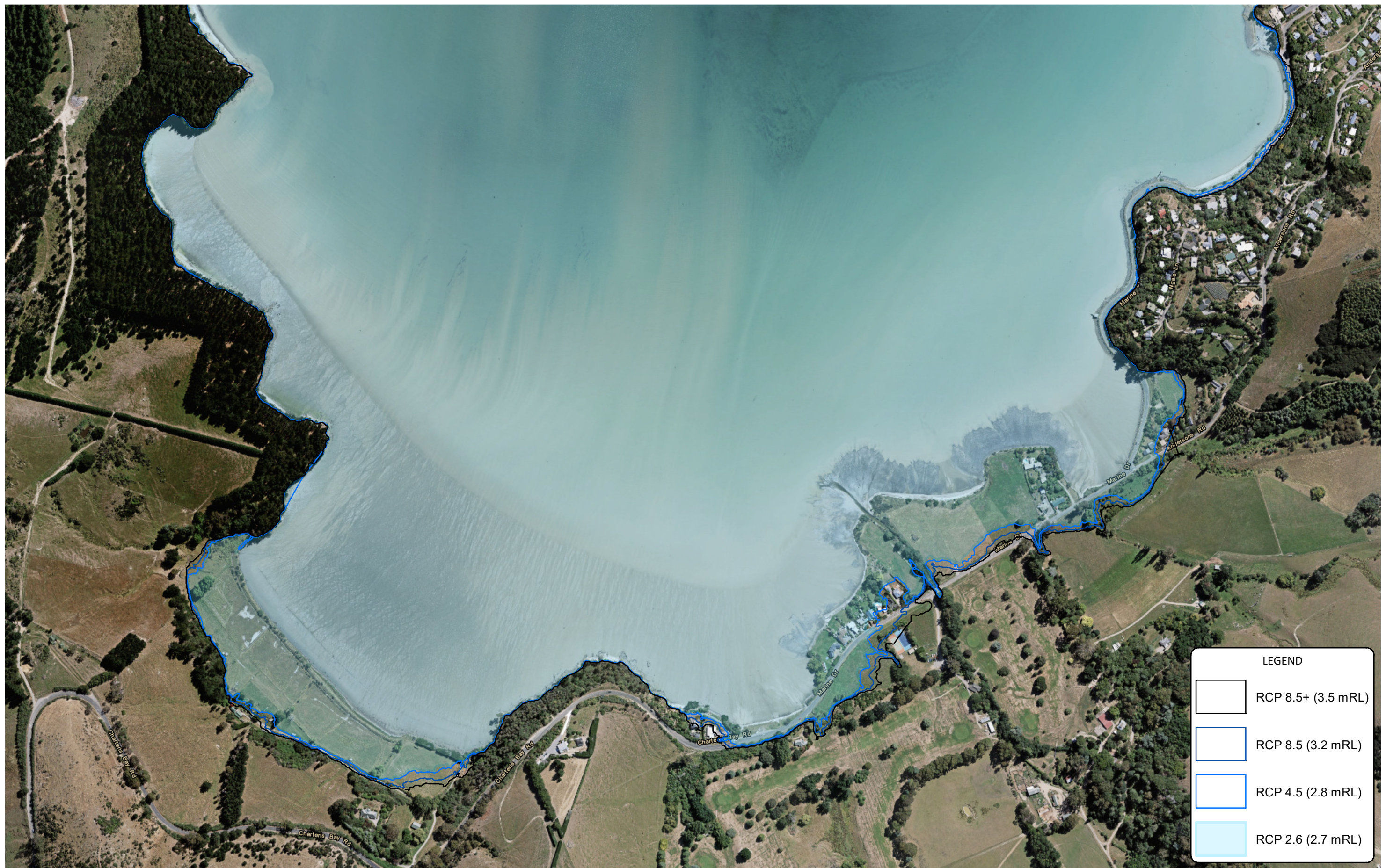
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PROJECT No.		
851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Charteris Bay - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 09

Rev. 0

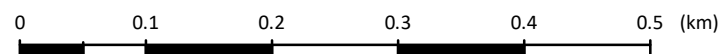
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Levels Based on LVD-37

A3 SCALE 1:6,000



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ARCFILE 851857-005-MAP018.mxd SCALE (AT A3 SIZE)		
1:6,000		
PROJECT No.		
851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Charteris Bay - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 10

Rev. 0

Path: T:\Tauranga\Projects\851857\851857_0050\WorkingMaterial\GIS\MapDocuments\851857-005-MAP019.mxd Date: 20/10/2017 Time: 5:54:20 PM



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Christchurch City 0.075 Urban Aerial Photos (2015 - 2016)
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Levels Based on LVD-37

A3 SCALE 1:2,000

0 0.03 0.06 0.09 0.12 0.15 (km)



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ARCFILE 851857-005-MAP019.mxd SCALE (AT A3 SIZE)		
1:2,000		
PROJECT No.		
851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Purau - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 11

Rev. 0

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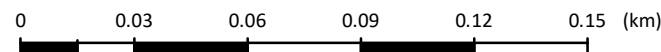


LEGEND	
	RCP 8.5+ (3.5 mRL)
	RCP 8.5 (3.2 mRL)
	RCP 4.5 (2.9 mRL)
	RCP 2.6 (2.7 mRL)

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Levels Based on LVD-37

A3 SCALE 1:2,000



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APPROVED		
ARCFILE 851857-005-MA020.mxd SCALE (AT A3 SIZE)		
1:2,000		
PROJECT No.		
851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Purau - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 12

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Christchurch City 0.075 Urban Aerial Photos (2015 - 2016)
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Levels Based on LVD-37

A3 SCALE 1:5,000
0 0.055 0.11 0.165 0.22 0.275 (km)



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APPROVED		
ARCFILE 851857-005-MAP011.mxd		
SCALE (AT A3 SIZE) 1:5,000		
PROJECT No. 851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Akaroa North - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 13



Refer to note on map limitations on front page of Appendix I.
Christchurch City 0.075 Urban Aerial Photos (2015 - 2016)
sourced from Christchurch City Council under CC-BY 3.0
Levels Based on LVD-37

A3 SCALE 1:5,000
0 0.055 0.11 0.165 0.22 0.275 (km)



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APPROVED		
ARCFIELD 851857-005-MAP012.mxd		
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PROJECT No. 851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Akaroa North - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 14

Rev. 0



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Christchurch City 0.075 Urban Aerial Photos (2015 - 2016)
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Levels Based on LVD-37

A3 SCALE 1:2,500
0 0.025 0.05 0.075 0.1 0.125 (km)



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DRAWN	DXLR	Oct.17
CHECKED		
APPROVED		
ARCFILE 851857-005-MAP021.mxd		
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PROJECT No. 851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Wainui - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 15

Rev. 0



LEGEND

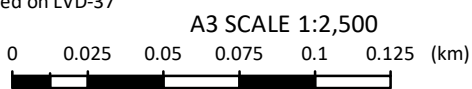
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RCP 8.5 (3.2 mRL)

RCP 4.5 (2.9 mRL)

RCP 2.6 (2.7 mRL)

Refer to note on map limitations on front page of Appendix I.
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Levels Based on LVD-37



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APPROVED		
ARCFILE 851857-005-MAP022.mxd		
SCALE (AT A3 SIZE) 1:2,500		
PROJECT No. 851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Wainui - 2120
Coastal Inundation Hazard Zone

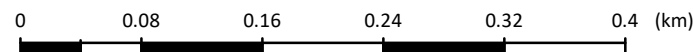
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Levels Based on LVD-37

A3 SCALE 1:5,000



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APPROVED		
ARCFILE 851857-005-MAP023.mxd SCALE (AT A3 SIZE)		
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PROJECT No.		
851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Duvauchelle - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 17

Rev. 0

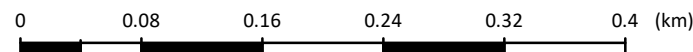
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Levels Based on LVD-37

A3 SCALE 1:5,000



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DRAWN	DXLR	Oct.17
CHECKED		
APPROVED		
ARCFILE 851857-005-MAP024.mxd SCALE (AT A3 SIZE)		
1:5,000		
PROJECT No. 851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Duvauchelle - 2120
Coastal Inundation Hazard Zone

FIGURE No.
Figure I - 18

Rev.
0



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Christchurch City 0.075 Urban Aerial Photos (2015 - 2016)
sourced from Christchurch City Council under CC-BY 3.0
Levels Based on LVD-37

A3 SCALE 1:3,000
0 0.03 0.06 0.09 0.12 0.15 (km)



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DRAWN	DXLR	Oct.17
CHECKED		
APPROVED		
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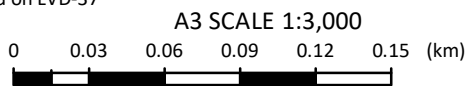
CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Takamatua - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 19

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Levels Based on LVD-37



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DRAWN	DXLR	Oct.17
CHECKED		
APPROVED		
ARCFILE 851857-005-MAP026.mxd		
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PROJECT No. 851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Takamatua - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 20



LEGEND

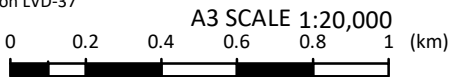
RCP 8.5+

RCP 8.5

RCP 4.5

RCP 2.6

Refer to note on map limitations on front page of Appendix I.
A hydrodynamic model was used to model the plausible extent of coastal inundation, which resulted in spatially varying inundation levels.
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DRAWN	DXLR	Oct.17
CHECKED		
APPROVED		
ARCFILE 851857-005-MAP001.mxd		
SCALE (AT A3 SIZE) 1:20,000		
PROJECT No. 851857.005		

CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Avon - Heathcote Estuary (Section 1) - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 21

Rev. 0



LEGEND

RCP 8.5+

RCP 8.5

RCP 4.5

RCP 2.6

Refer to note on map limitations on front page of Appendix I.
A hydrodynamic model was used to model the plausible extent of coastal inundation, which resulted in spatially varying inundation levels.
Christchurch City 0.075 Urban Aerial Photos (2015 - 2016) sourced from Christchurch City Council under CC-BY 3.0
Levels Based on LVD-37
A3 SCALE 1:20,000
0 0.2 0.4 0.6 0.8 1 (km)



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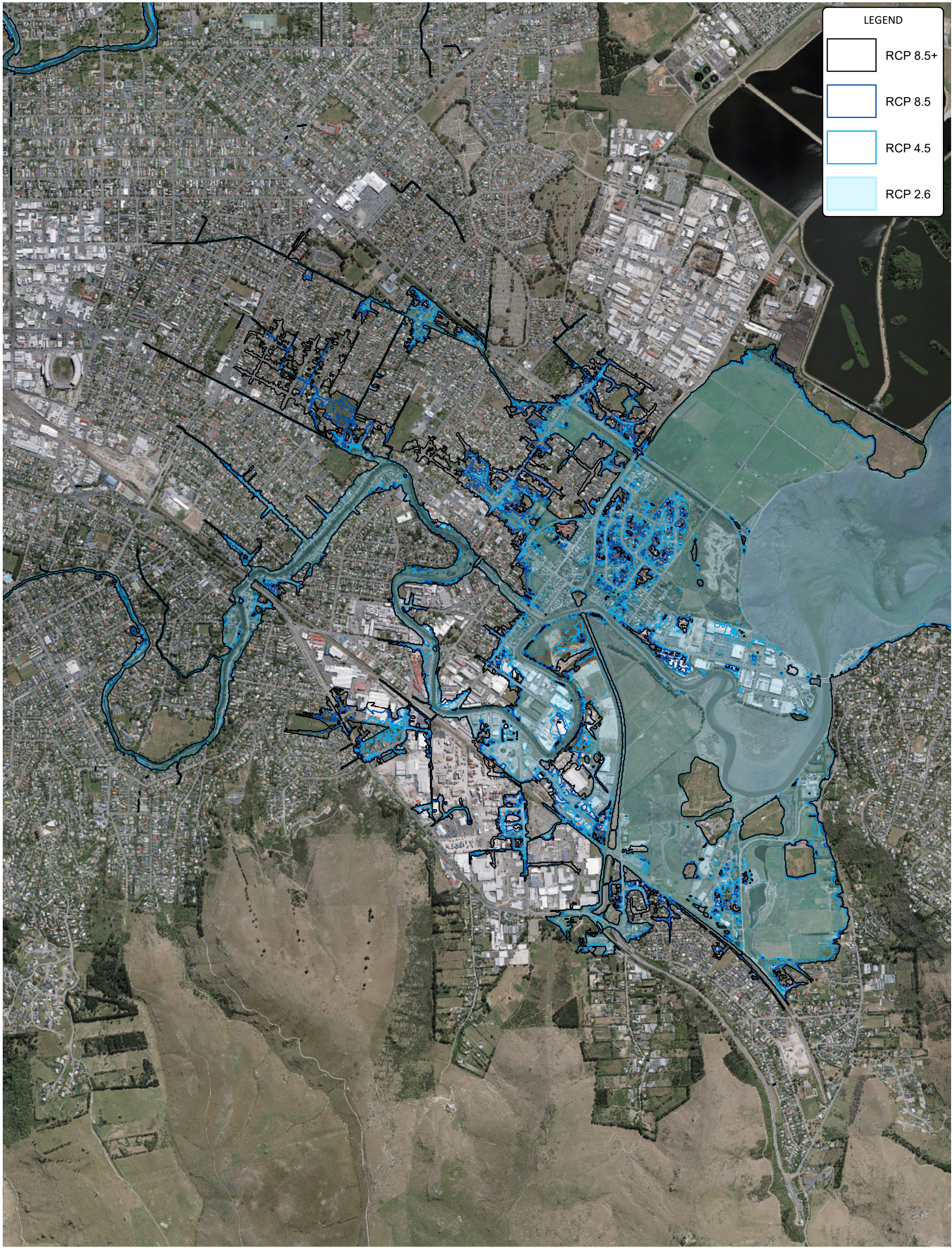
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CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Avon - Heathcote Estuary (Section 1) - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 22

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Refer to note on map limitations on front page of Appendix I.
A hydrodynamic model was used to model the plausible extent of coastal inundation, which resulted in spatially varying inundation levels.
Christchurch City 0.075 Urban Aerial Photos (2015 - 2016) sourced from Christchurch City Council under CC-BY 3.0
Levels Based on LVD-37
A3 SCALE 1:20,000
0 0.2 0.4 0.6 0.8 1 (km)

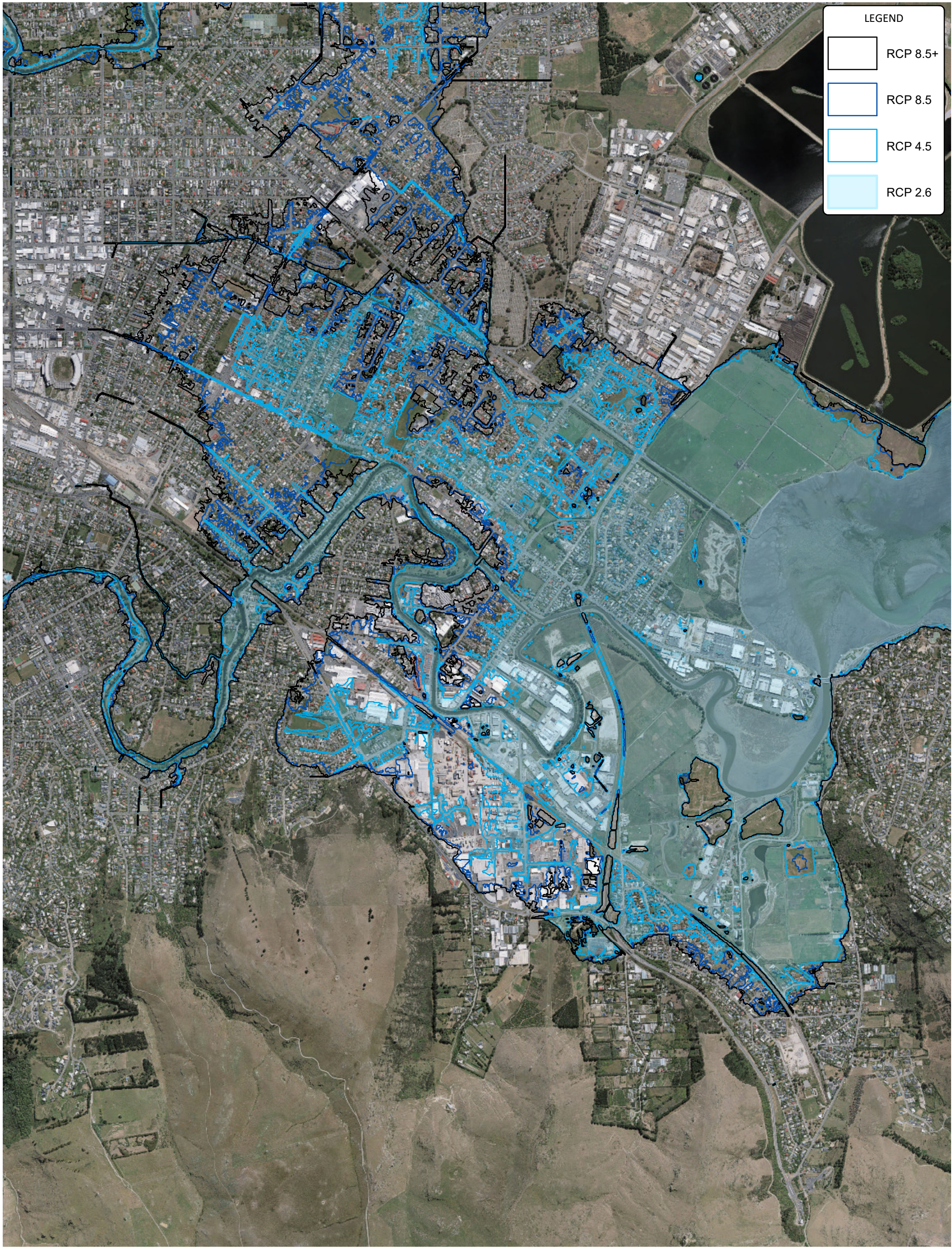


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CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Avon - Heathcote Estuary (Section 2) - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 23



Refer to note on map limitations on front page of Appendix I.
A hydrodynamic model was used to model the plausible extent of coastal inundation, which resulted in spatially varying inundation levels.
Christchurch City 0.075 Urban Aerial Photos (2015 - 2016) sourced from Christchurch City Council under CC-BY 3.0
Levels Based on LVD-37

A3 SCALE 1:20,000
0 0.2 0.4 0.6 0.8 1 (km)



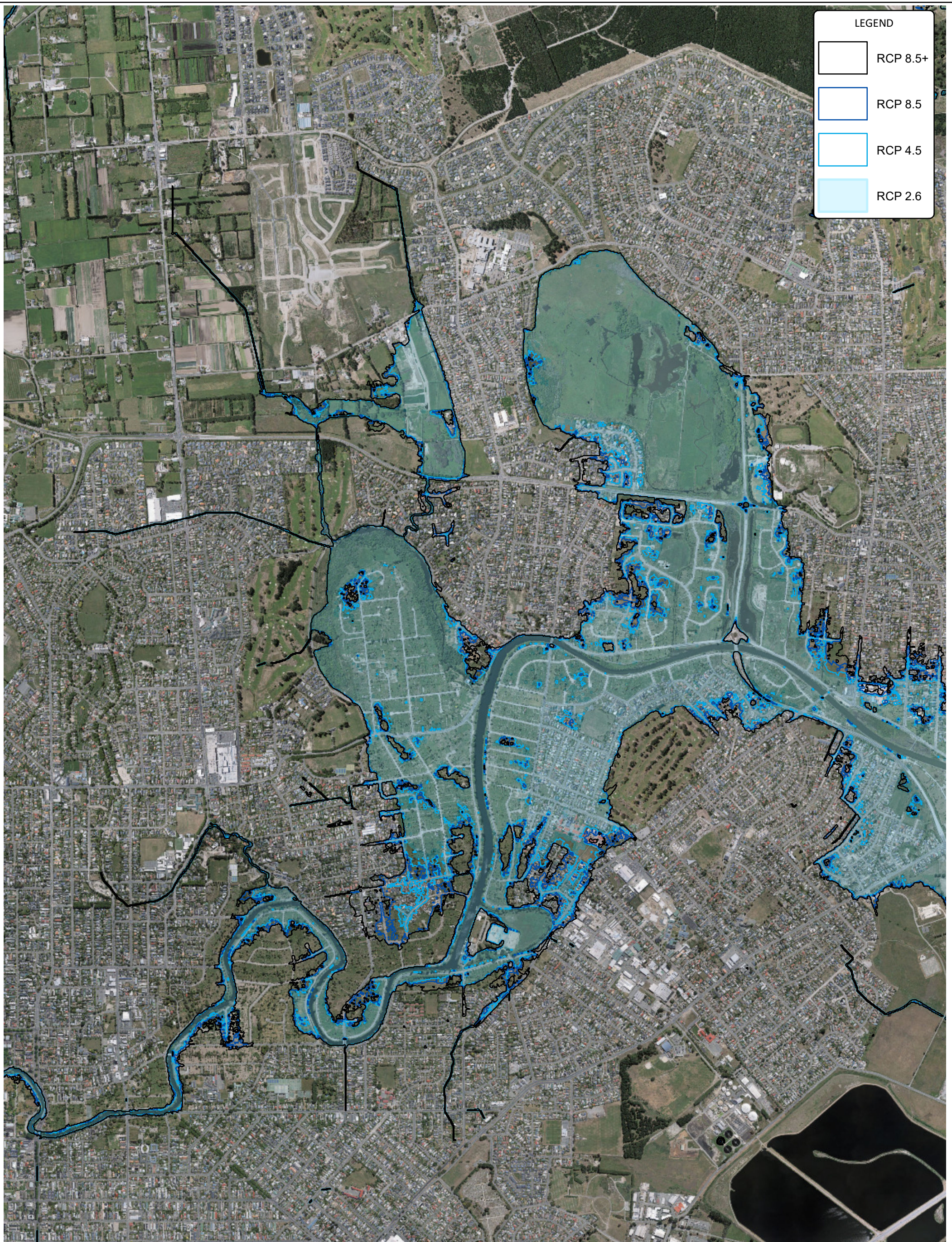
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CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Avon - Heathcote Estuary (Section 2) - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 24

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Refer to note on map limitations on front page of Appendix I.
A hydrodynamic model was used to model the plausible extent of coastal inundation, which resulted in spatially varying inundation levels.
Christchurch City 0.075 Urban Aerial Photos (2015 - 2016) sourced from Christchurch City Council under CC-BY 3.0
Levels Based on LVD-37

A3 SCALE 1:20,000
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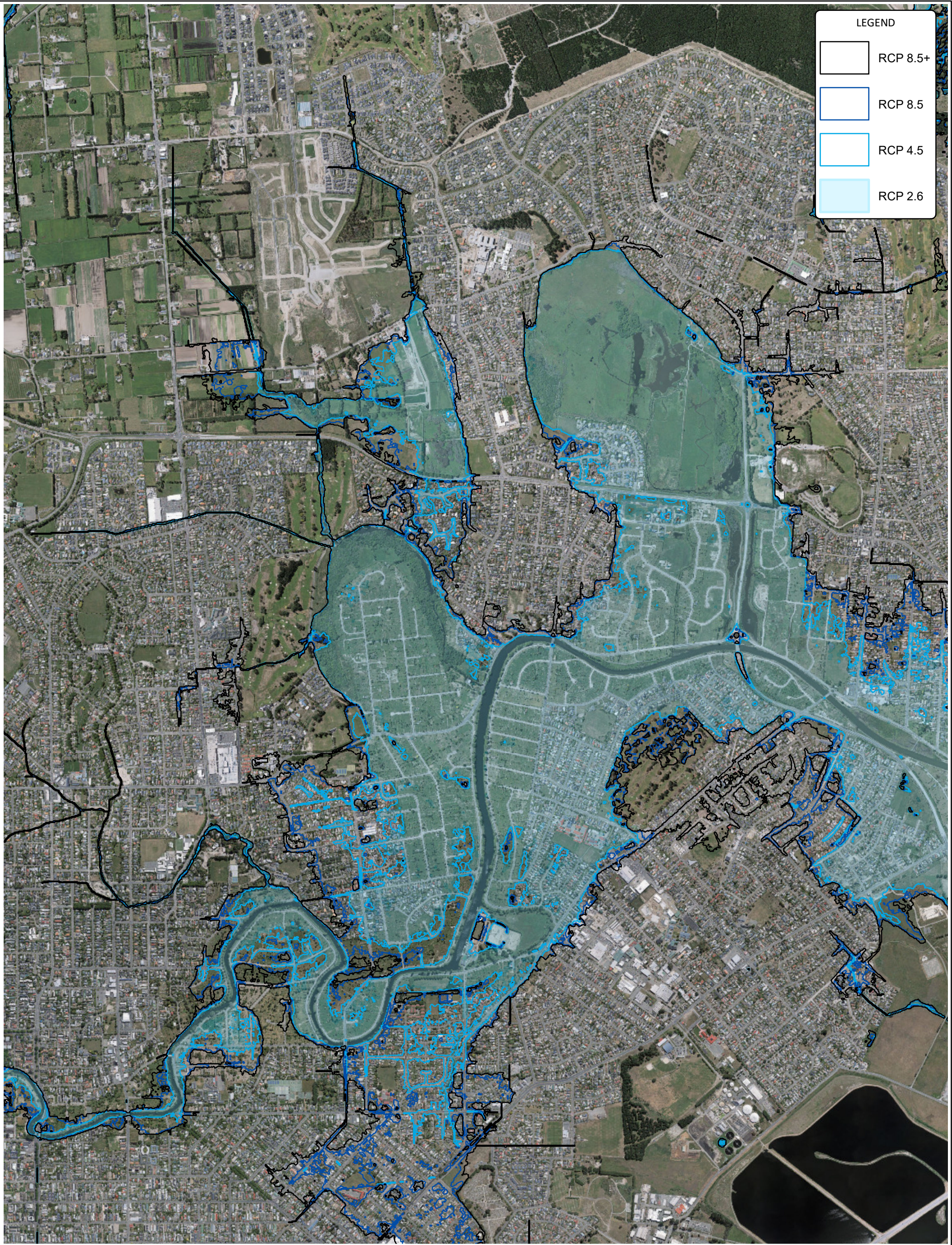
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CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Avon - Heathcote Estuary (Section 3) - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 25

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A hydrodynamic model was used to model the plausible extent of coastal inundation, which resulted in spatially varying inundation levels.
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Levels Based on LVD-37

A3 SCALE 1:20,000
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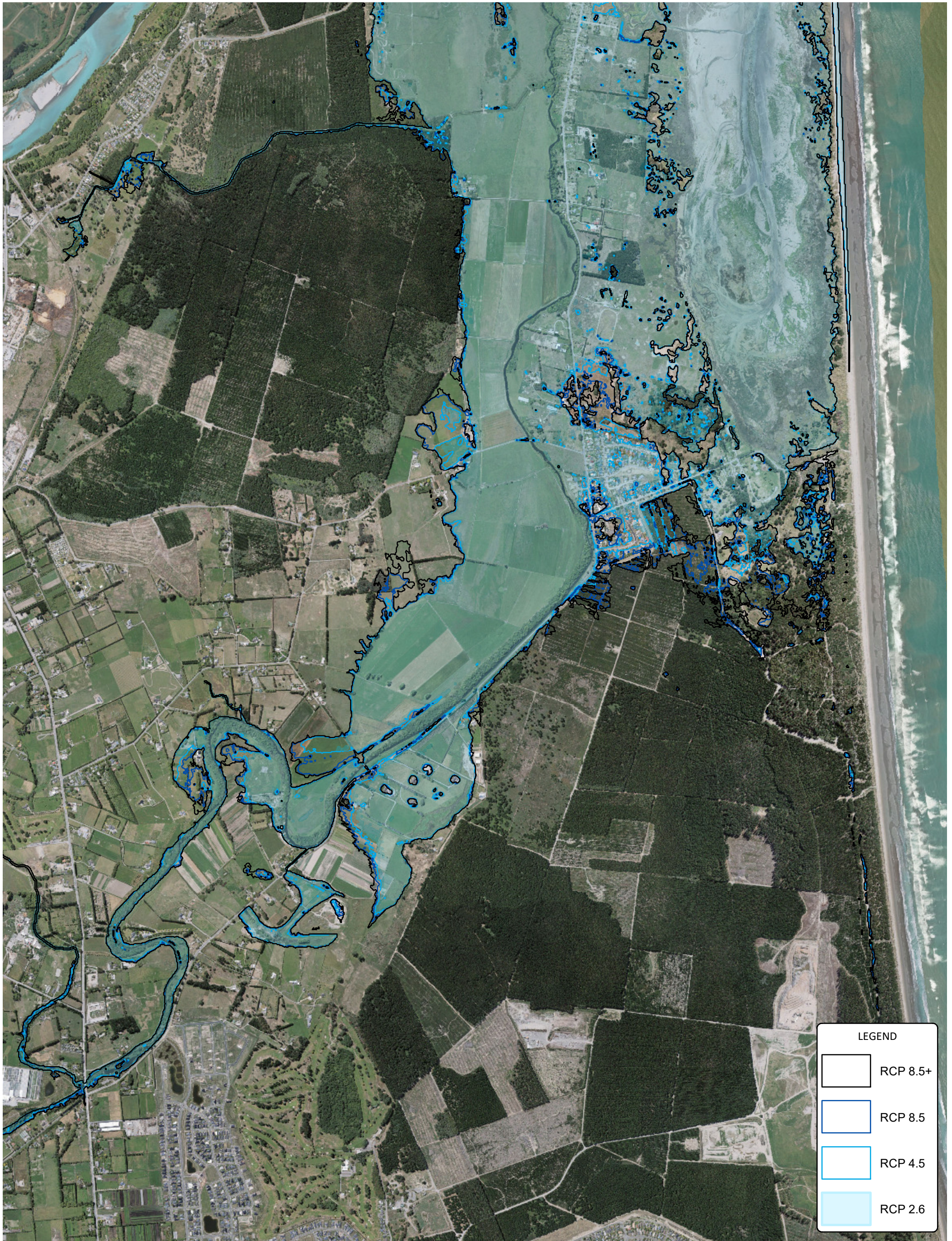
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CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Avon - Heathcote Estuary (Section 3) - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 26

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A hydrodynamic model was used to model the plausible extent of coastal inundation, which resulted in spatially varying inundation levels.
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Levels Based on LVD-37

A3 SCALE 1:20,000
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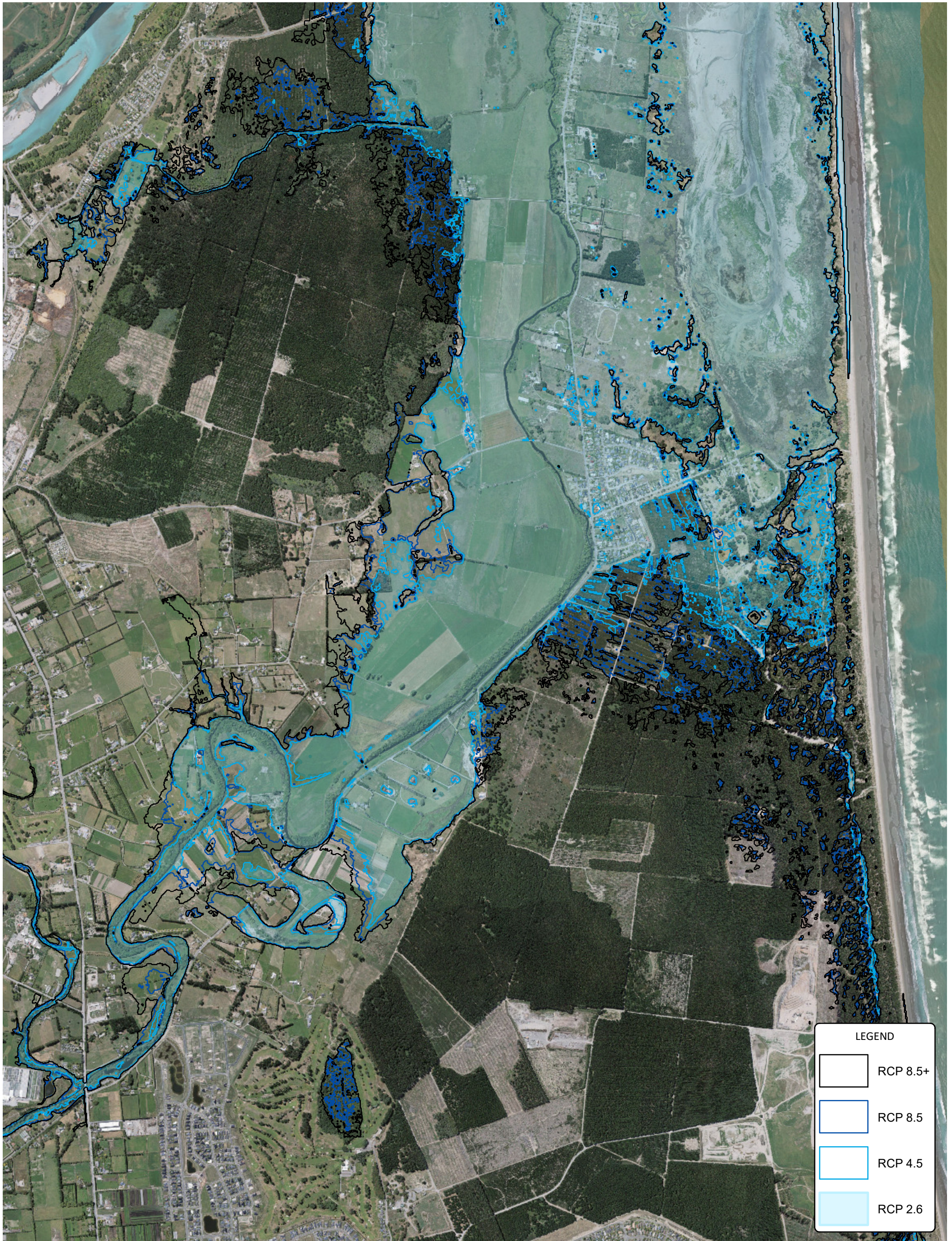


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CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Brooklands (Section 1) - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 27



Refer to note on map limitations on front page of Appendix I.
A hydrodynamic model was used to model the plausible extent of coastal inundation, which resulted in spatially varying inundation levels.
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Levels Based on LVD-37

A3 SCALE 1:20,000
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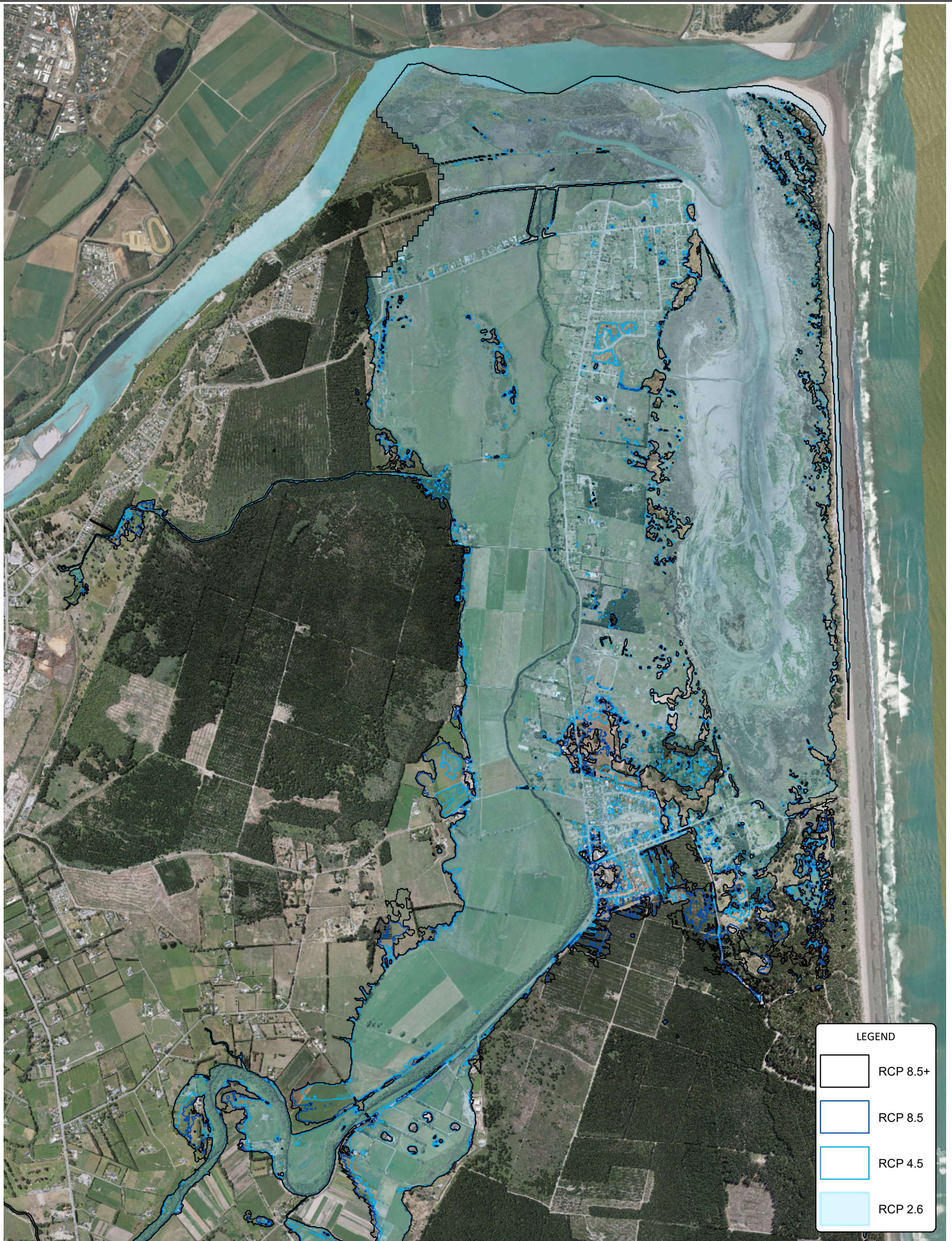


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CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Brooklands (Section 1) - 2120
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 28



LEGEND

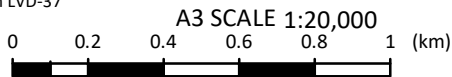
RCP 8.5+

RCP 8.5

RCP 4.5

RCP 2.6

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Levels Based on LVD-37



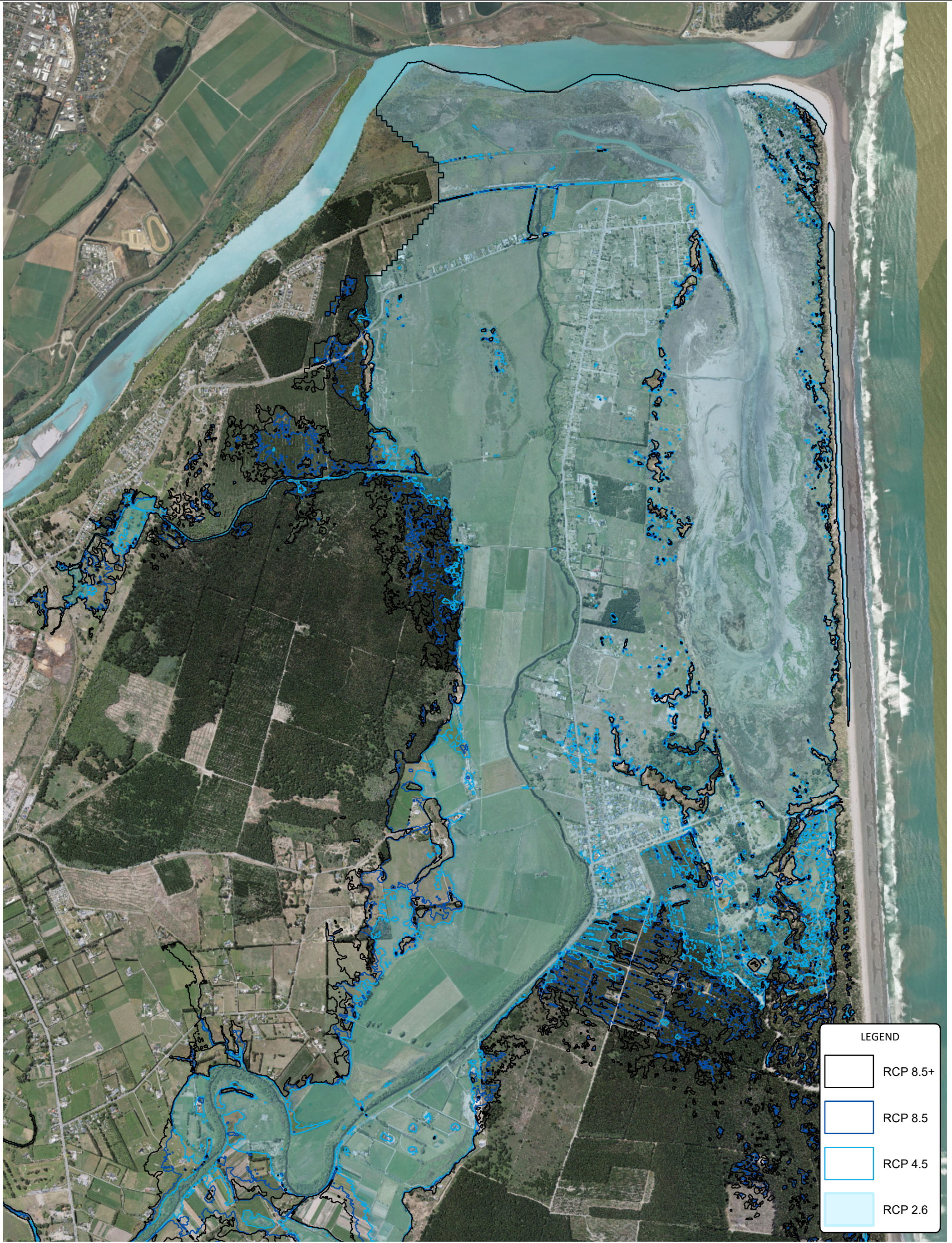
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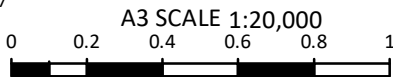
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CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Brooklands (Section 2) - 2065
Coastal Inundation Hazard Zone

FIGURE No. Figure I - 29



Refer to note on map limitations on front page of Appendix I.
A hydrodynamic model was used to model the plausible extent of coastal inundation, which resulted in spatially varying inundation levels.
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CHRISTCHURCH CITY COUNCIL
COASTAL HAZARD ASSESSMENT
Brooklands (Section 2) - 2120
Coastal Inundation Hazard Zone

FIGURE No. **Figure I - 30**

Rev. **0**