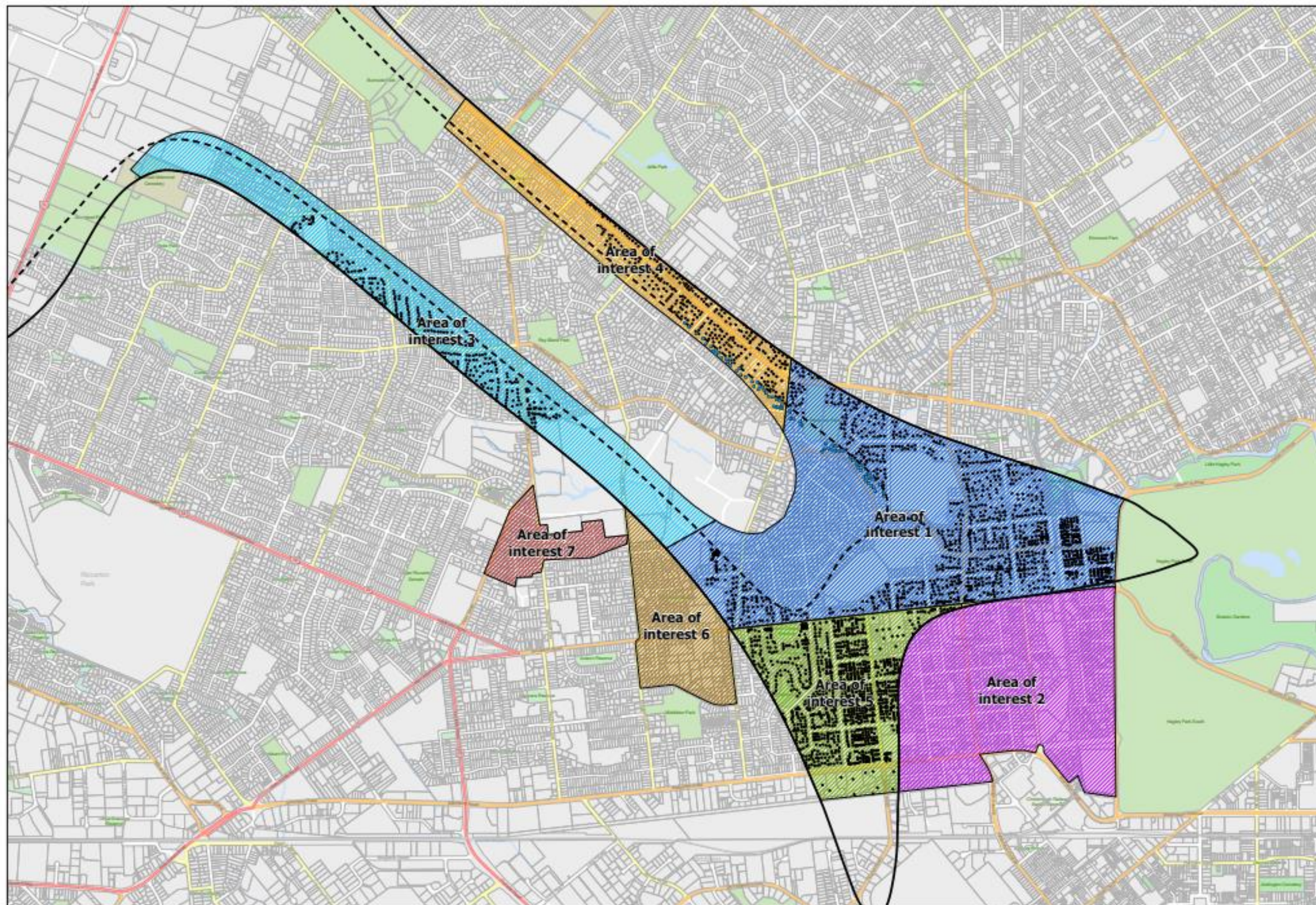


APPENDIX I – ADDITIONAL INFORMATION RELATING TO THE AIRPORT NOISE QM

The first overview map illustrates the Updated 50dBA Ldn Noise contour Outer Envelope applied over the existing urban environment highlighting existing address points (indicative of existing densities) and Areas of Interest created to assist with the further analysis of potential impacts. The preceding maps demonstrate the overlap of the Operative 50dBA Ldn, Updated Annual Average and Outer Envelope 50dBA Ldn Noise contours, as applied over the Operative District Plan zoning, PC14 Notified Proposal zoning, and Areas of Interest created to assist with the additional evaluation of the impact of this QM.



CIAL Updated Noise Contour Spatial Analysis map

Diagram 1: North of Riccarton Road - Updated 50dBA Ldn Outer Envelope applied over Operative District Plan zoning

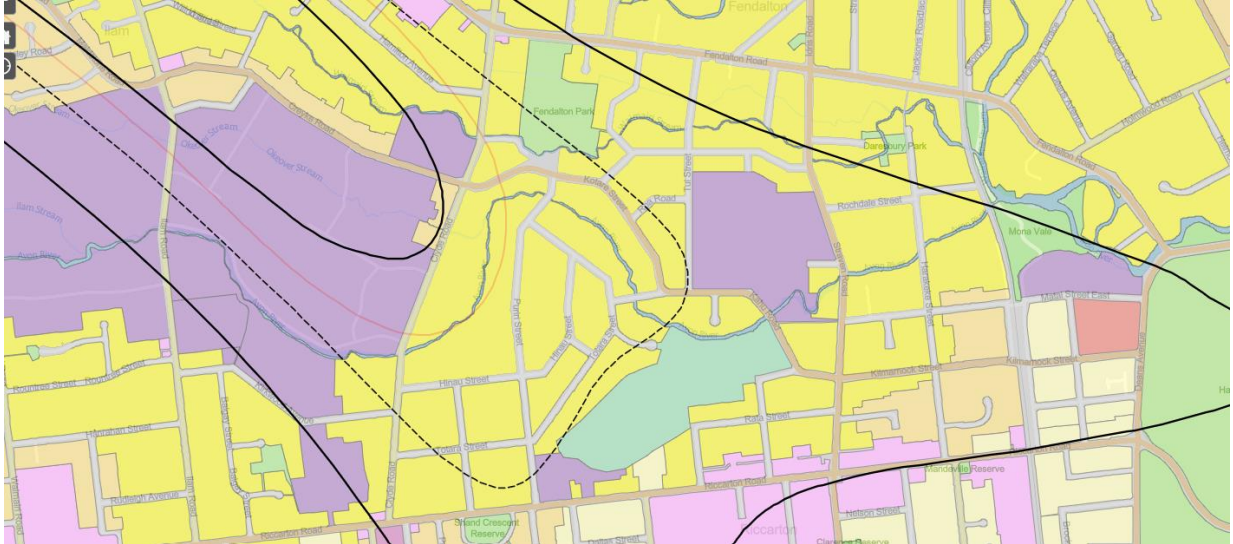


Diagram 2: North of Riccarton Road – Updated 50dBA Ldn Outer Envelope applied over PC14 Notified Proposal zoning

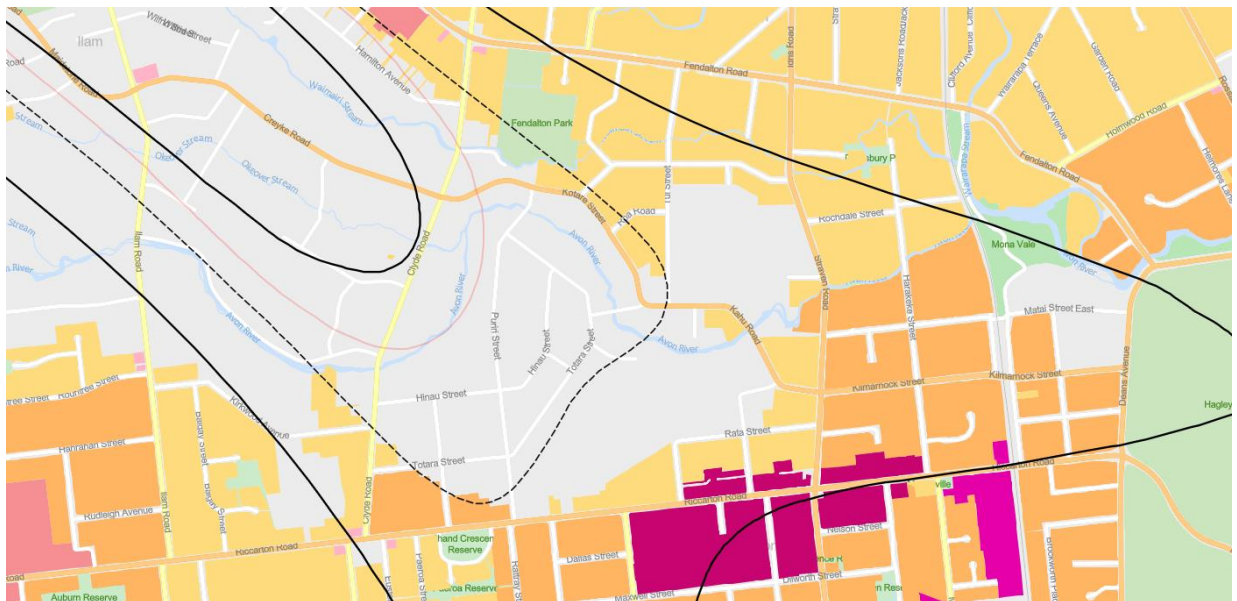


Diagram 3: North of Riccarton Road – Updated 50dBA Ldn Outer Envelope applied over PC14 Notified Proposal zoning with Areas of Interest

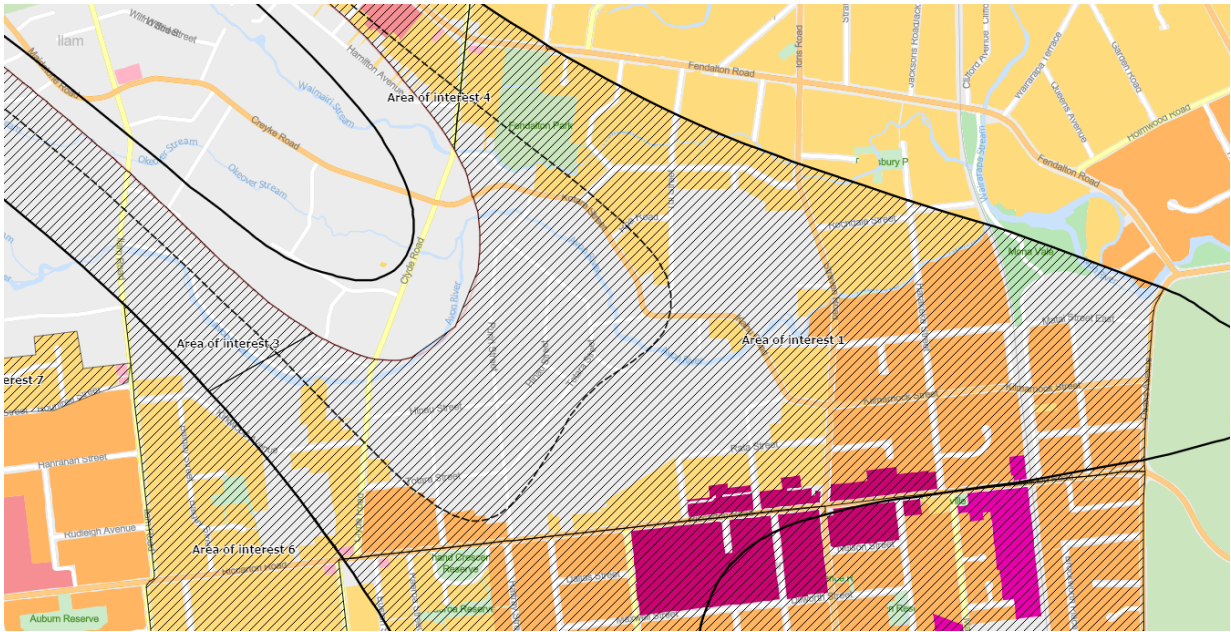


Diagram 4: South of Riccarton Road - Updated 50dBA Ldn Outer Envelope applied over Operative District Plan zoning

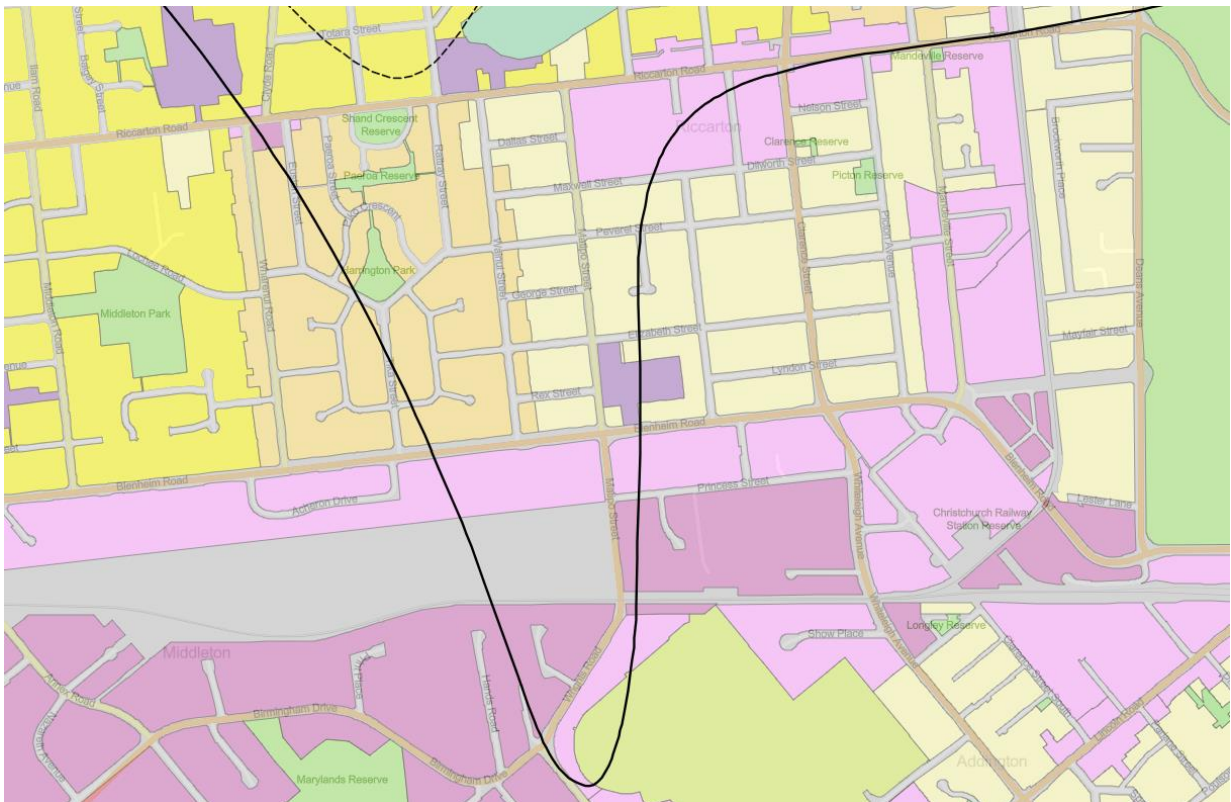


Diagram 5: South of Riccarton Road – Updated 50dBA Ldn Outer Envelope applied over PC14 Notified Proposal zoning

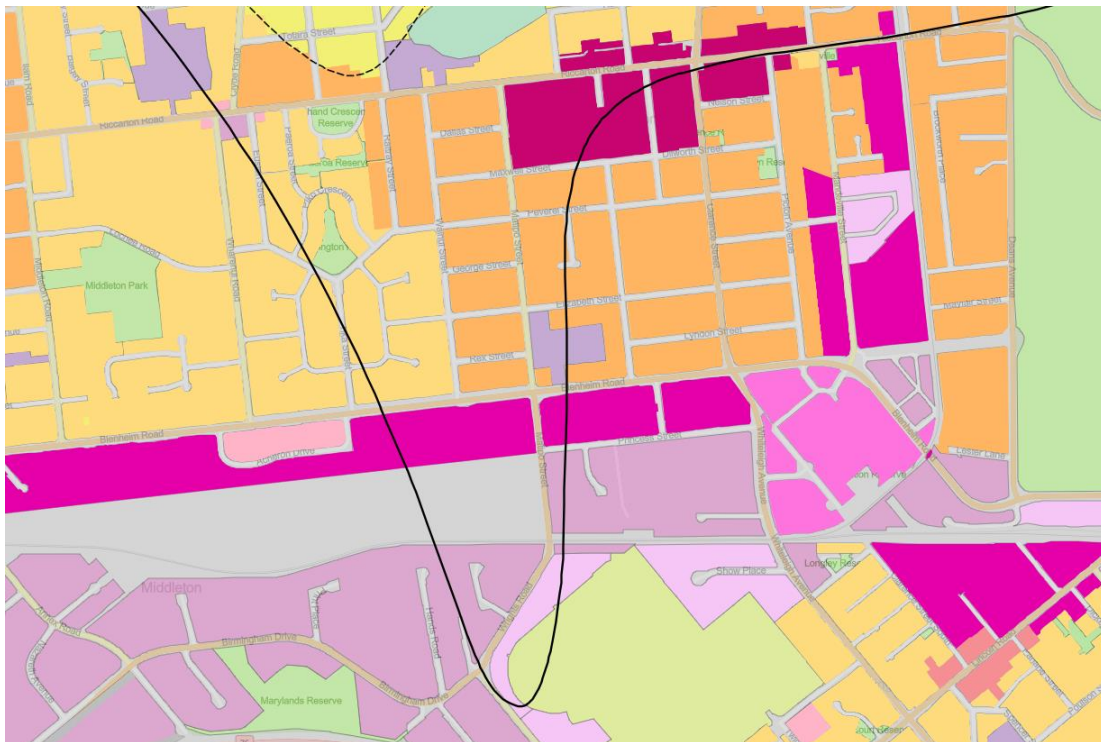


Diagram 6: South of Riccarton Road – Updated 50dBA Ldn Outer Envelope applied over PC14 Notified Proposal zoning with Areas of Interest

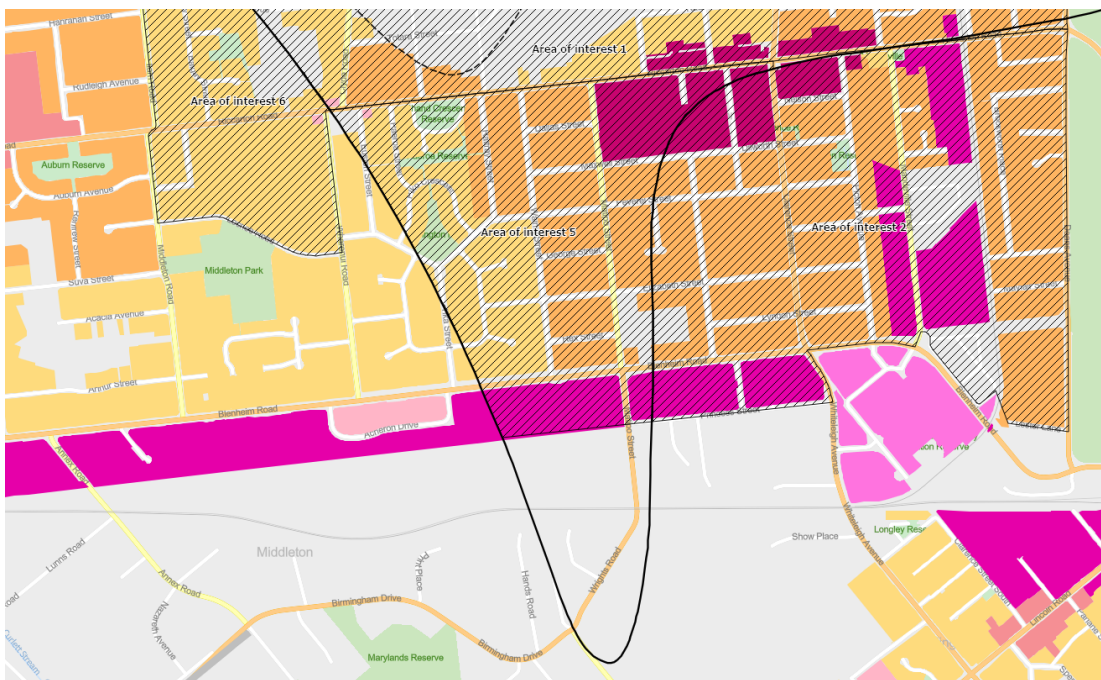


Diagram 7: Western Christchurch - Updated 50dBA Ldn Outer Envelope applied over Operative District Plan zoning

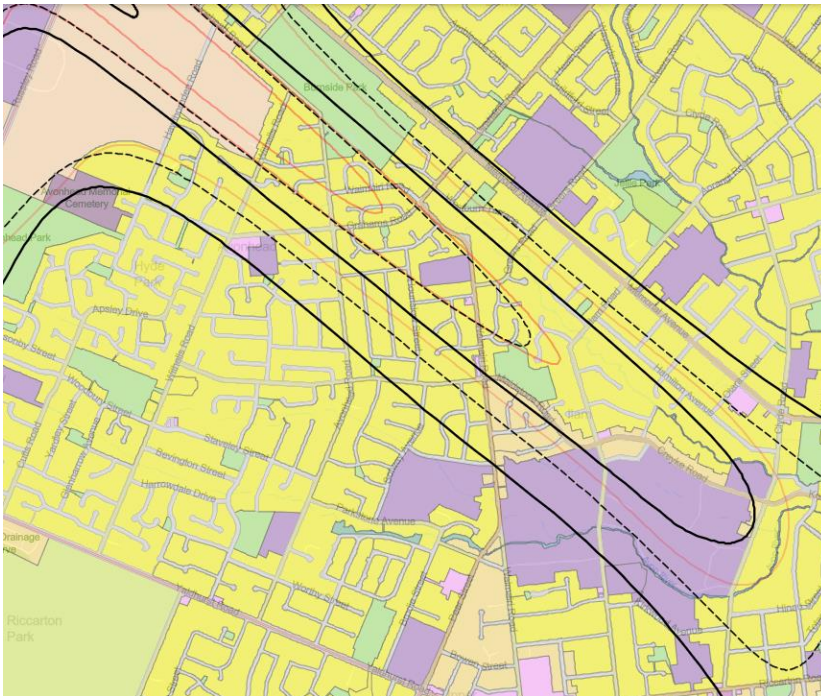


Diagram 8: Western Christchurch – Updated 50dBA Ldn Outer Envelope applied over PC14 Notified Proposal zoning

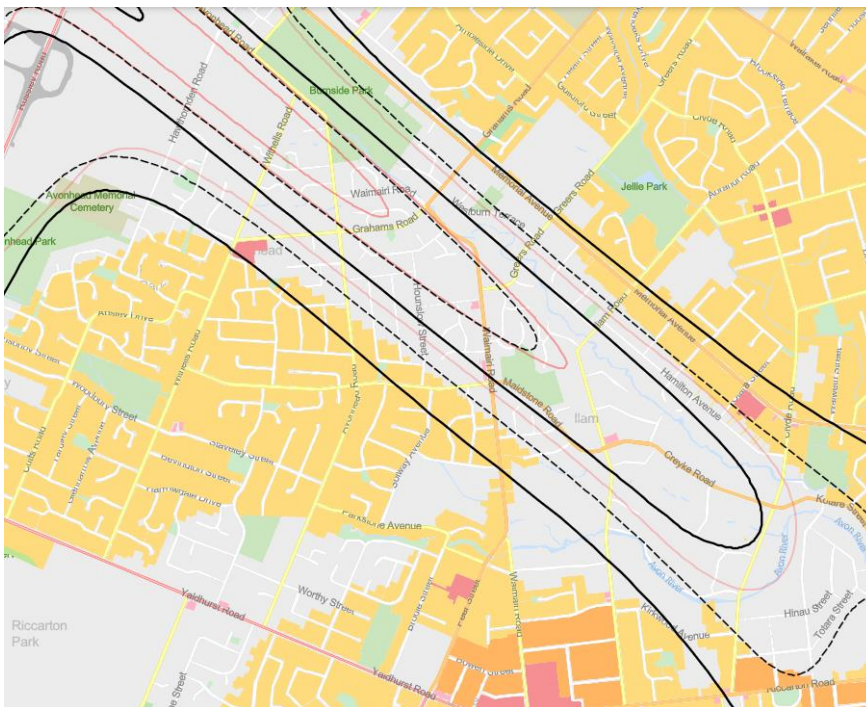
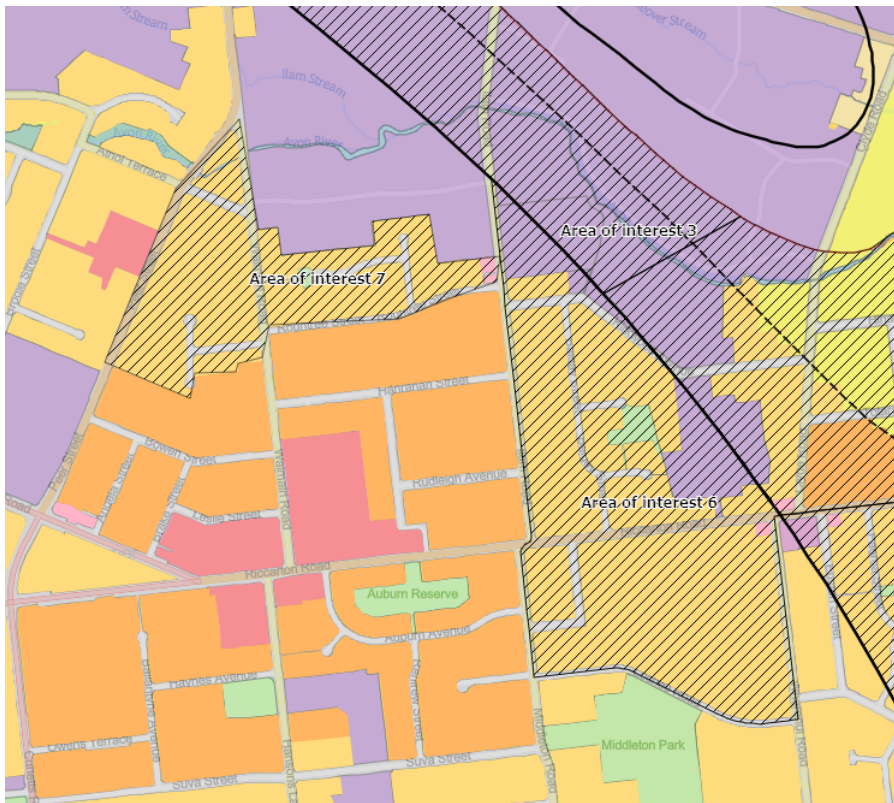
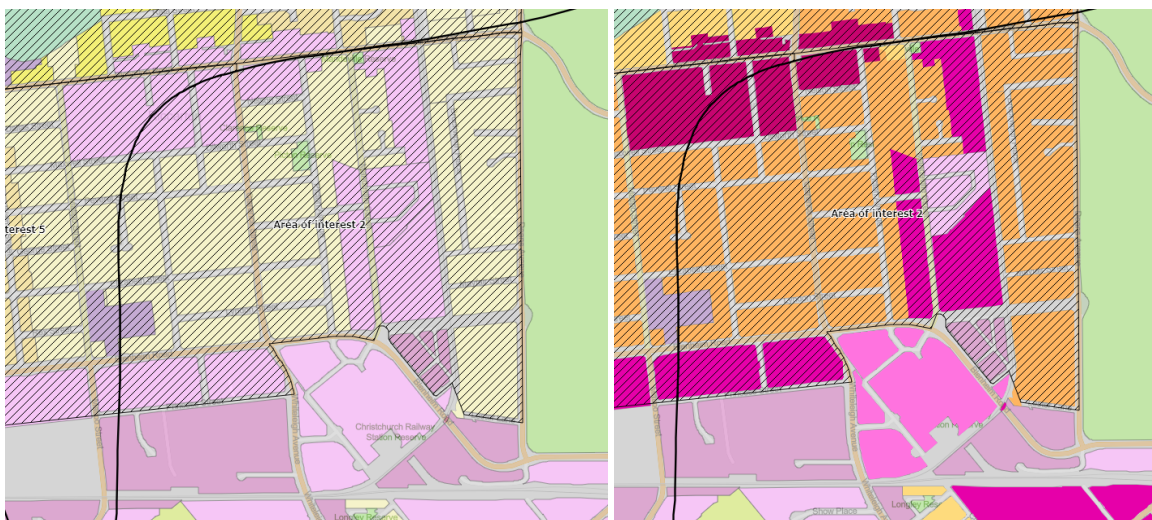


Diagram 10: Areas of Interest 7 and 8 Notified Proposal zoning



Diagrams 11 & 12: Areas of Interest 2 Operative Plan zoning and Notified Proposal zoning

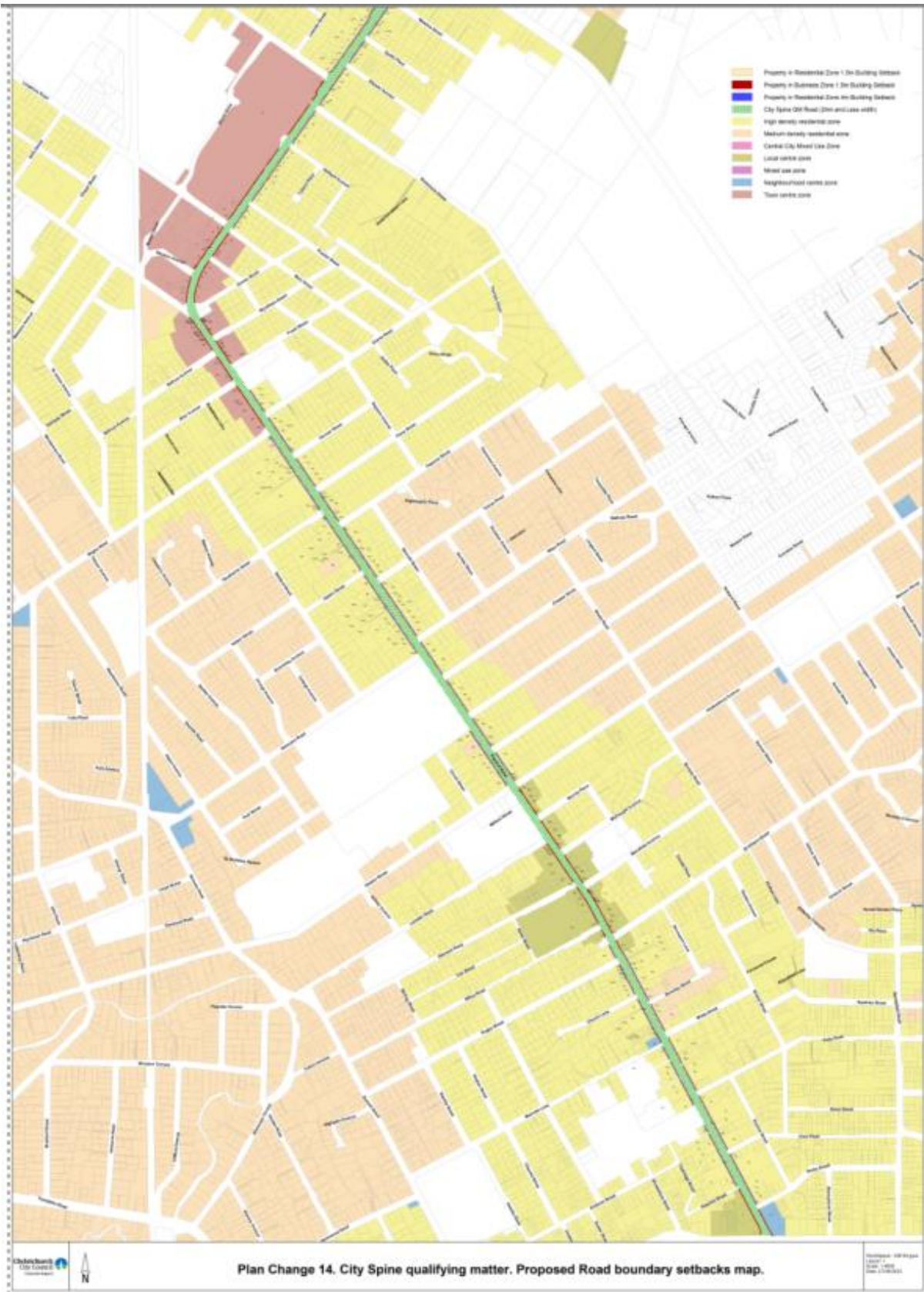


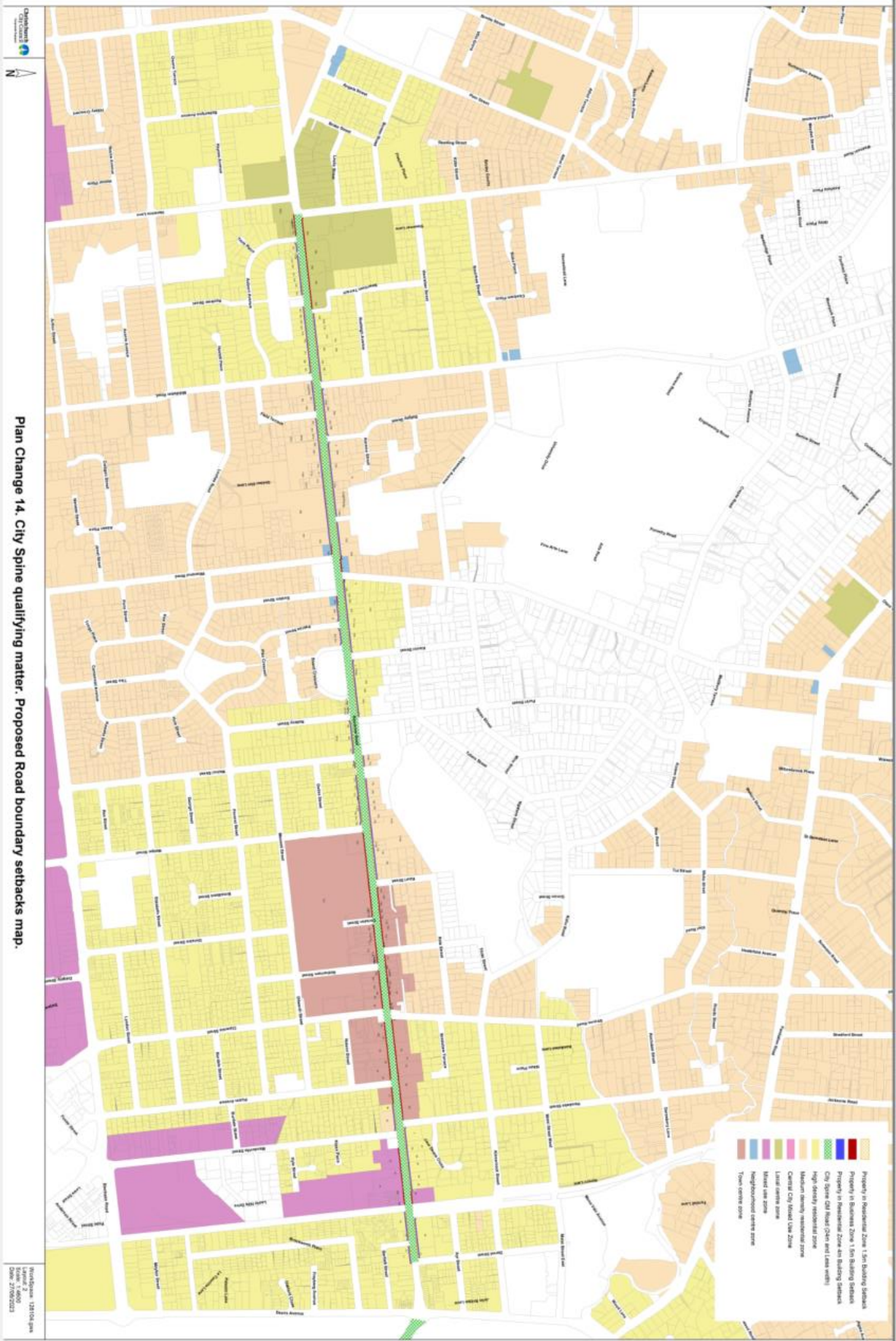
Airport Analysis Tables – Areas of Interest 50dBA

Area of Interest 1	Number of addresses	Legal area
CC Totals	66	25329.56
CL Totals	4	1638
CMU Totals	1	2486
RMD Totals	300	70498.42
RS Totals	791	522668.79
RSDT Totals	187	87830.59
Area of Interest 3	Number of addresses	Legal area
CC Totals	20	7414.84
RS Totals	214	142546.63
RSDT Totals	51	19126.37
Area of Interest 4	Number of addresses	Legal area
CC Totals	5	8814.98
CL Totals	1	582
RS Totals	317	202102.35
Area of Interest 5	Number of addresses	Legal area
CC Totals	43	42283.38
CL Totals	4	577
CMU Totals	11	83760.48
RMD Totals	630	149548.84
RSDT Totals	568	215225.58
Average dBA	Number of addresses	Legal area
RS Totals	79	53243

APPENDIX J –ADDITIONAL ANALYSIS FOR THE PROPOSED CITY SPINE QM

The following maps depict the application of the proposed City Spine Transport Corridor qualifying matter, applied only where the road width is 24m or less. Also included are some specific examples of the application of the setbacks, on existing business and residential properties.







Plan Change 14. City Spine qualifying matter. Proposed Road boundary setbacks map. Example 3

Workspace: 126104.grs
 Layout: 5
 Scale: 1:1000
 Date: 27/06/2023



Plan Change 14. City Spine qualifying matter. Proposed Road boundary setbacks map. Example 2

Workspace: 126104.grs
 Layout: 4
 Scale: 1:1000
 Date: 27/06/2023

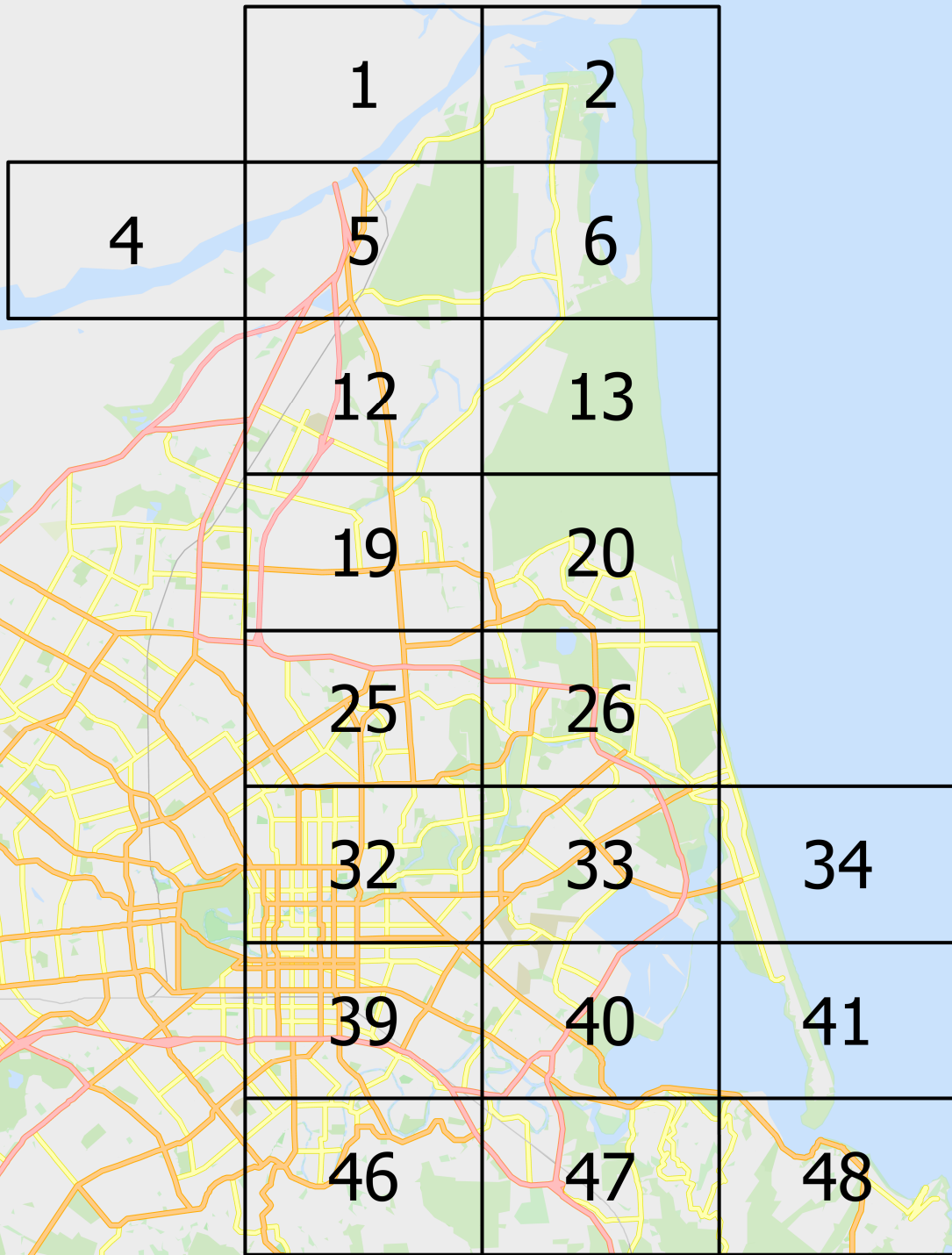


Plan Change 14. City Spine qualifying matter. Proposed Road boundary setbacks map. Example 1

WorkSpace: 126104.gws
Layout: 3
Scale: 1:1000
Date: 27/09/2023

APPENDIX K –ADDITIONAL INFORMATION IN SUPPORT OF THE PROPOSED COASTAL HAZARDS
QM'S

Map Location Overview



Map number: 1



Operative Zones

- Commercial
- Industrial
- Residential
- Residential Medium Density
- Residential Suburban Density Transition

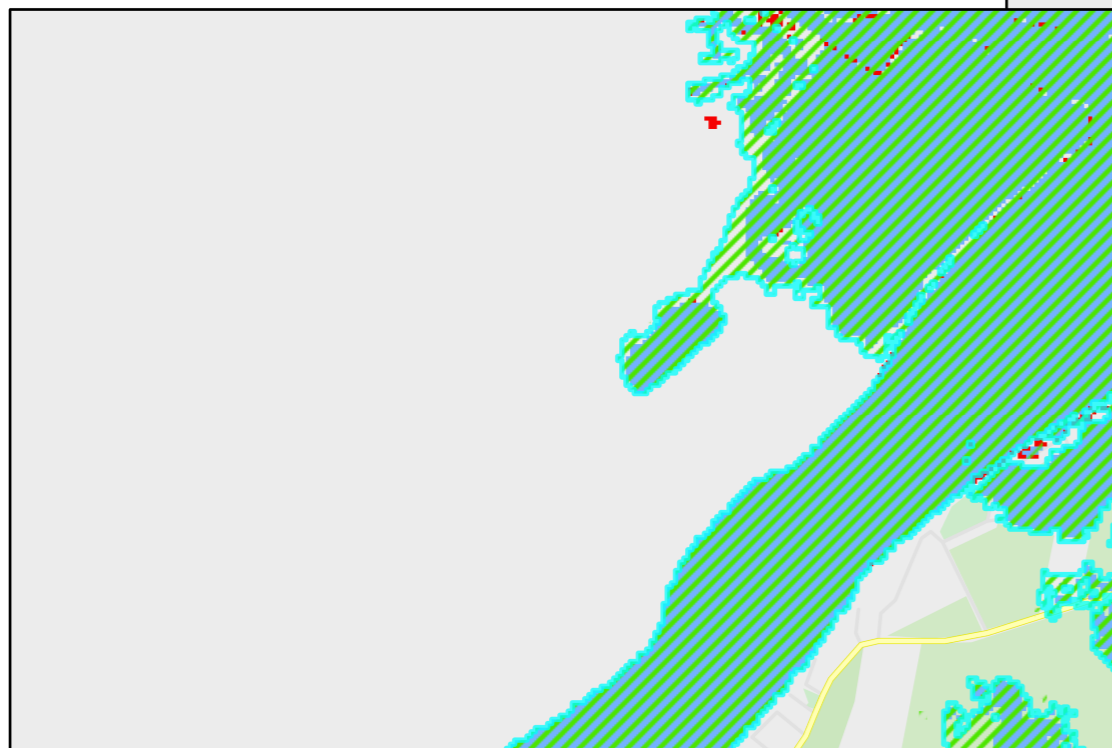
Qualifying Matter - Coastal Hazard Management

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area



Qualifying Matter - Coastal Hazard Management & Tsunami

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area
- Tsunami Management Area



Tsunami Scenario: 1-500-2120-MHWS-MSL106

0.301 - 5.25 Meters

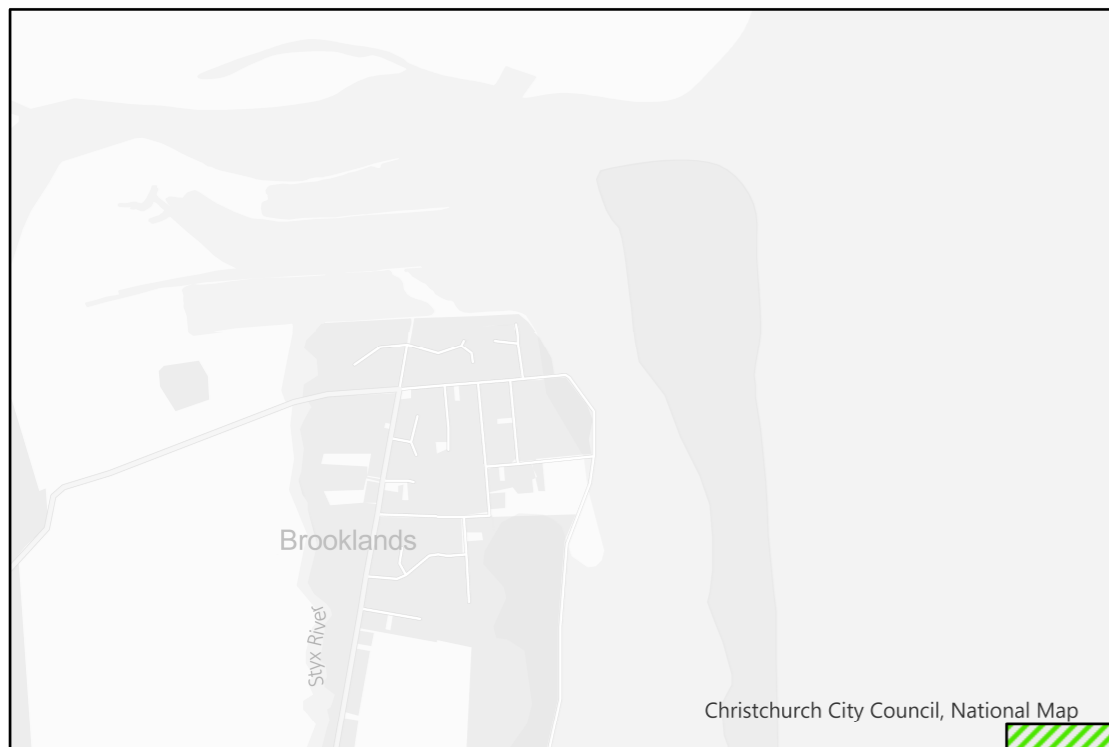
Tsunami Scenario: 1-2500-2120-MHWS-MSL106

0.301 - 9.551 Meters

Operative Zones + 1:500 year Tsunami Scenario



Map number: 2

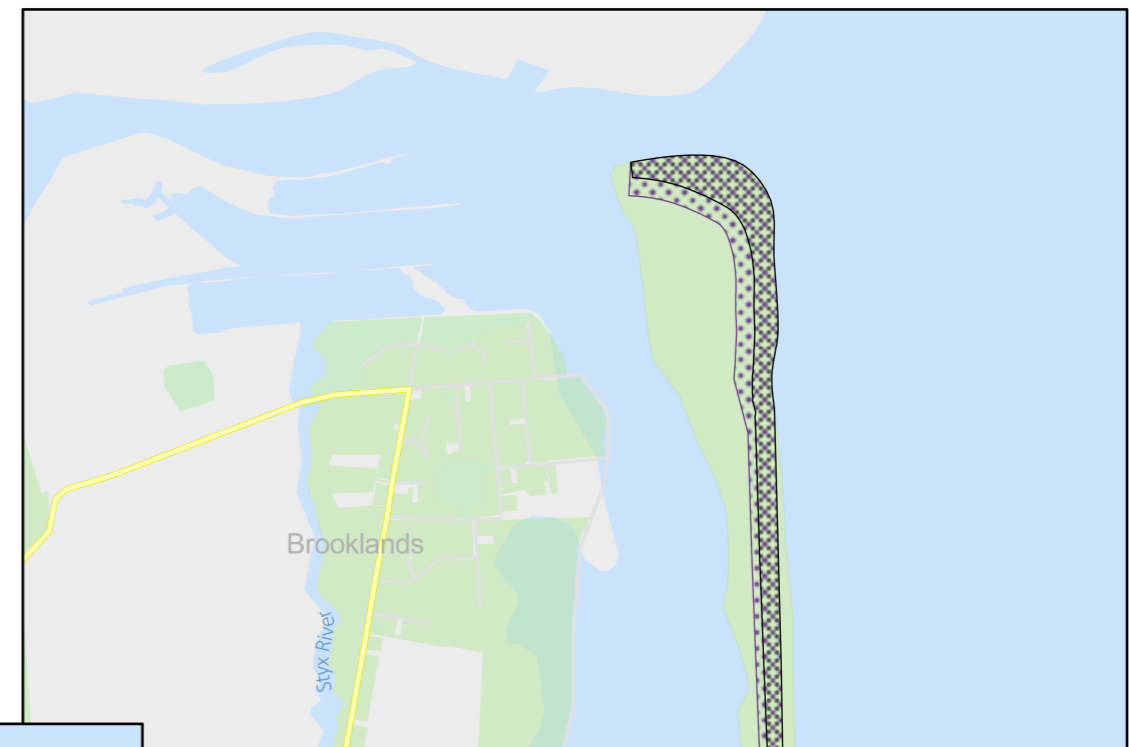


Operative Zones

- Commercial
- Industrial
- Residential
- Residential Medium Density
- Residential Suburban Density Transition

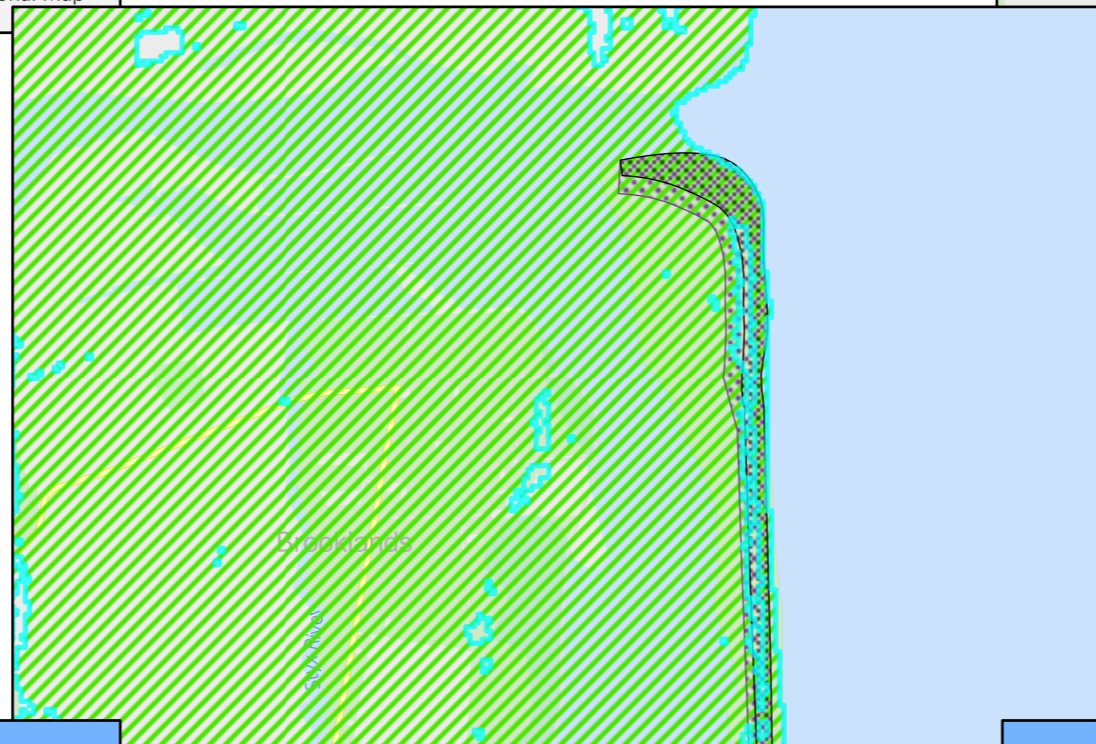
Qualifying Matter - Coastal Hazard Management

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area

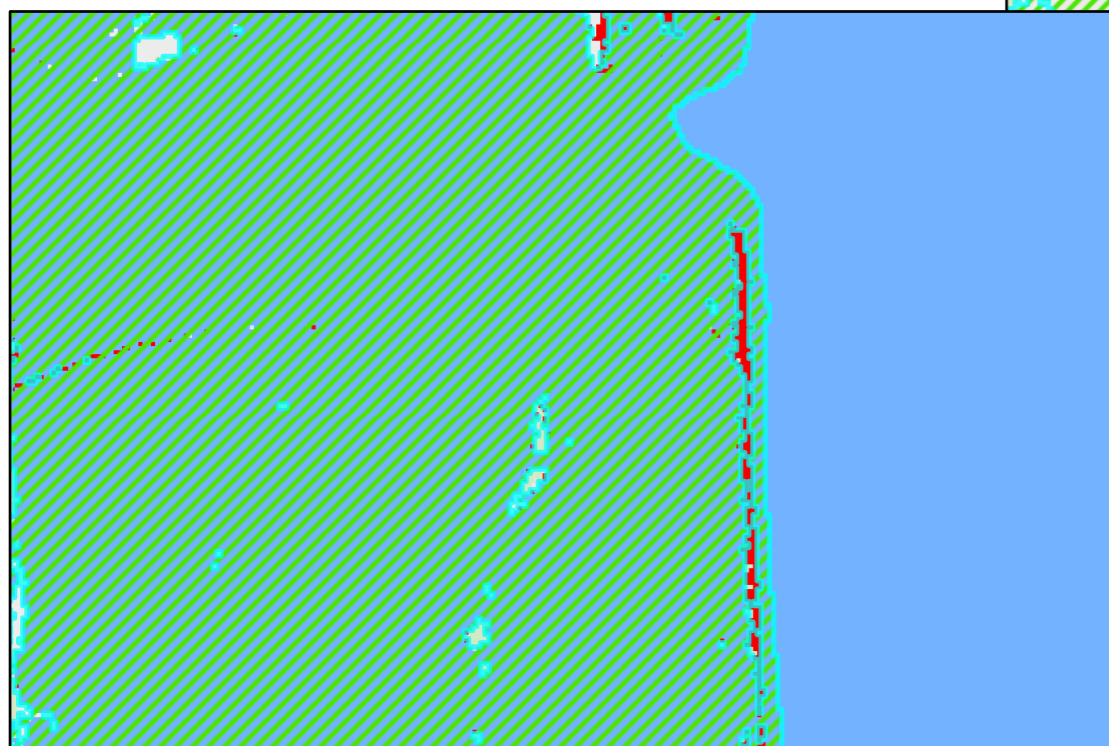


Qualifying Matter - Coastal Hazard Management & Tsunami

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area
- Tsunami Management Area



Operative Zones + 1:500 year Tsunami Scenario



Tsunami Scenario: 1-500-2120-MHWS-MSL106

0.301 - 5.25 Meters

Tsunami Scenario: 1-2500-2120-MHWS-MSL106

0.301 - 9.551 Meters



Map number: 4

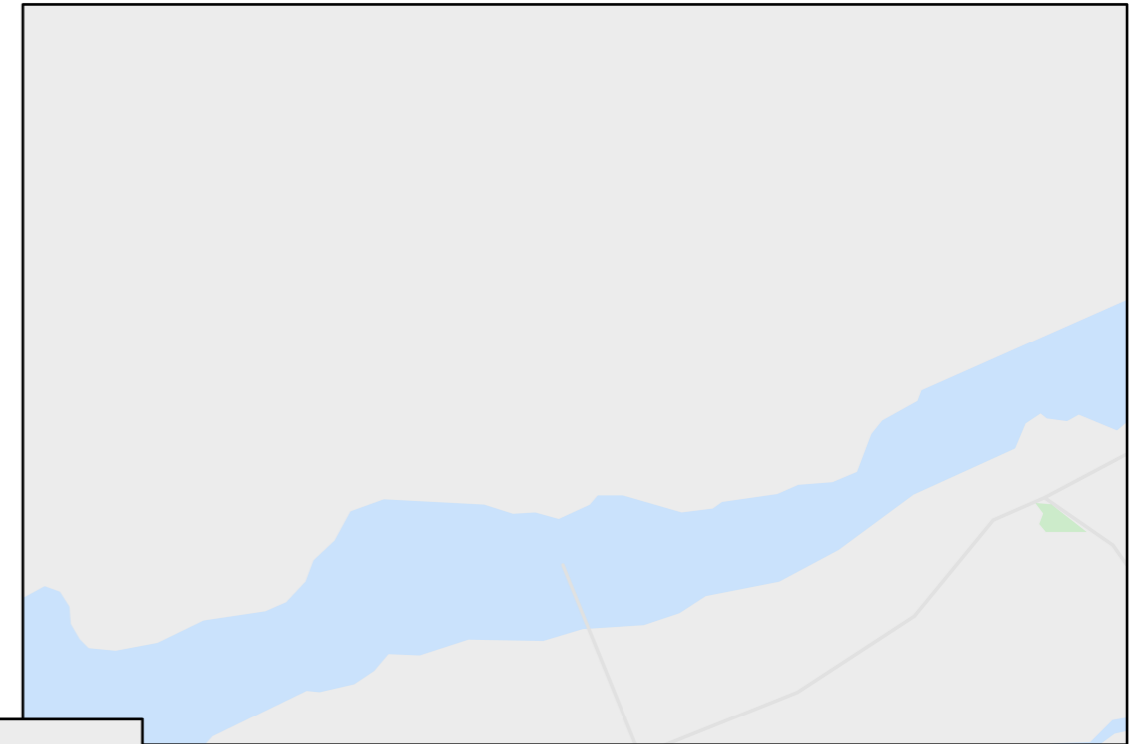


Operative Zones

- Commercial
- Industrial
- Residential
- Residential Medium Density
- Residential Suburban Density Transition

Qualifying Matter - Coastal Hazard Management

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area

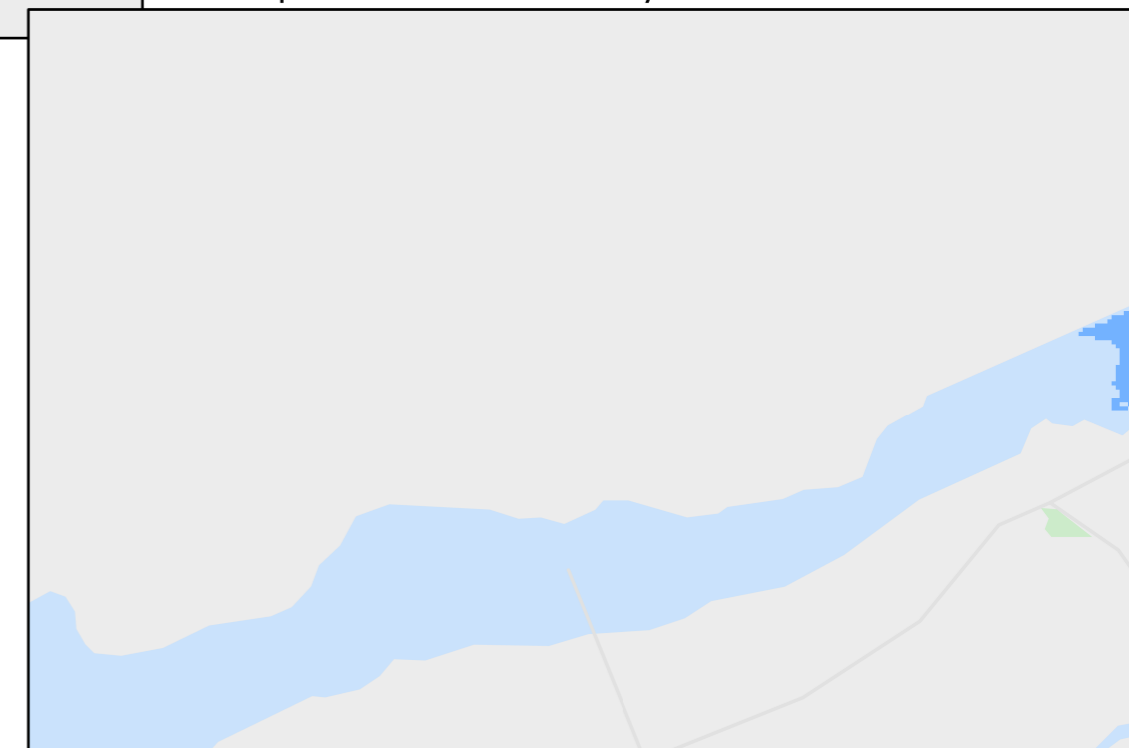


Qualifying Matter - Coastal Hazard Management & Tsunami

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area
- Tsunami Management Area



Operative Zones + 1:500 year Tsunami Scenario



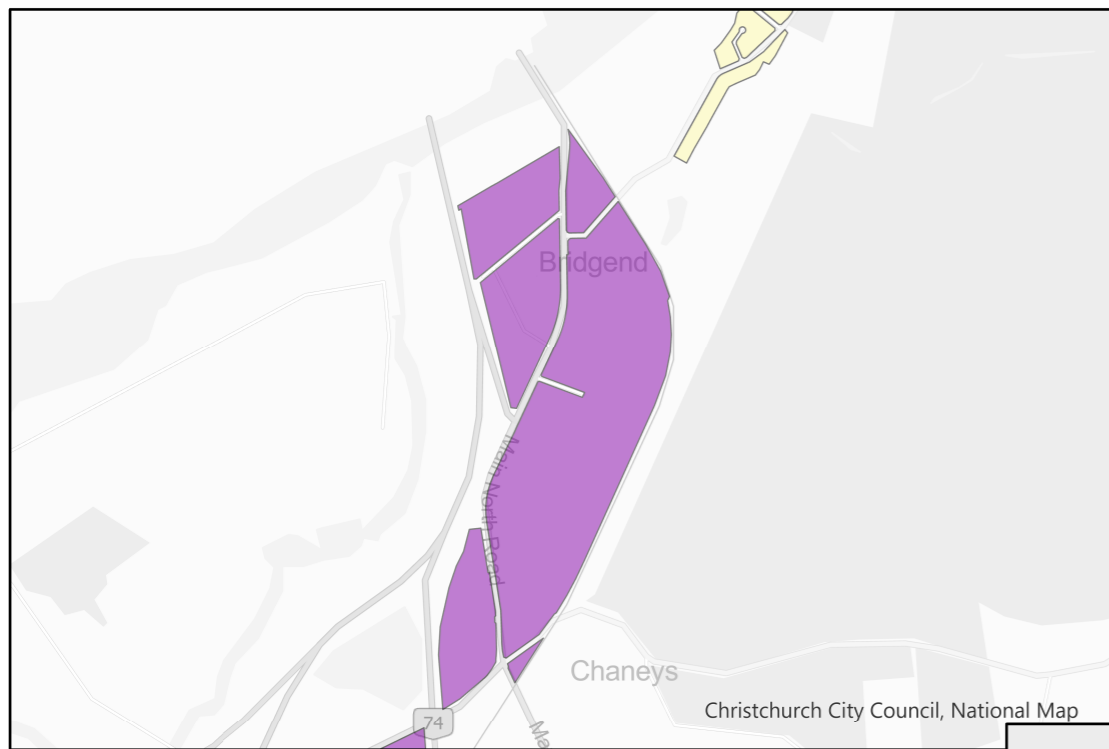
Tsunami Scenario: 1-500-2120-MHWS-MSL106

0.301 - 5.25 Meters

Tsunami Scenario: 1-2500-2120-MHWS-MSL106

0.301 - 9.551 Meters

Map number: 5



Operative Zones

- Commercial
- Industrial
- Residential
- Residential Medium Density
- Residential Suburban Density Transition

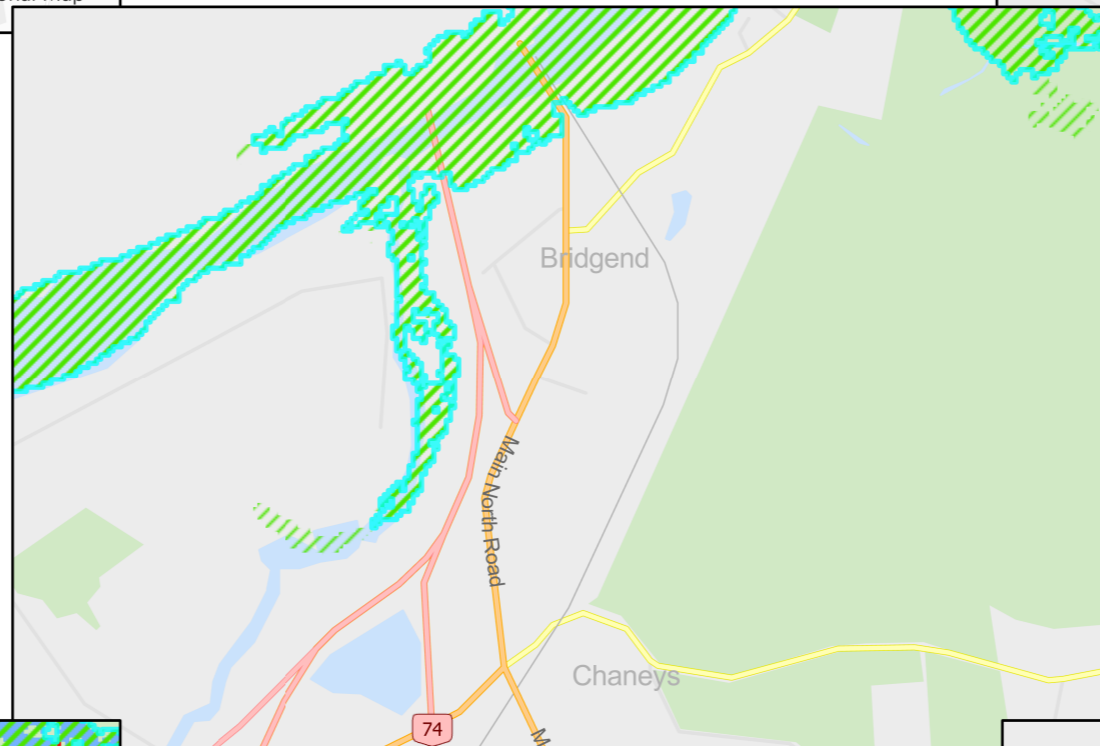
Qualifying Matter - Coastal Hazard Management

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area

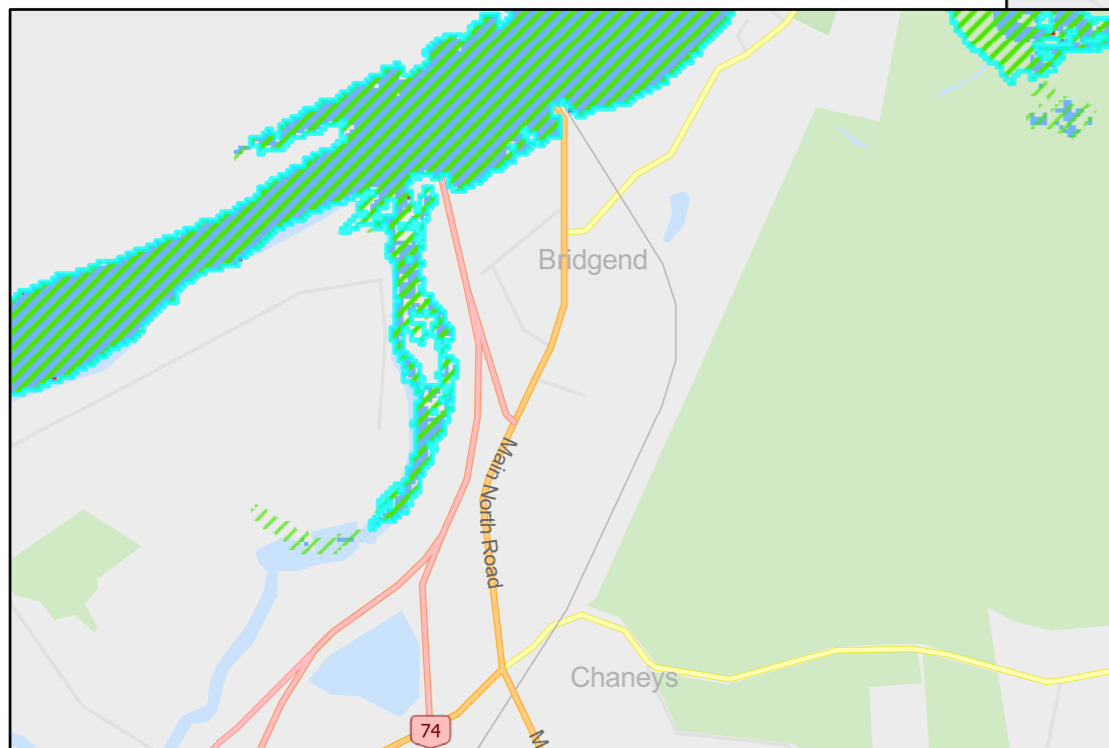


Qualifying Matter - Coastal Hazard Management & Tsunami

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area
- Tsunami Management Area



Operative Zones + 1:500 year Tsunami Scenario

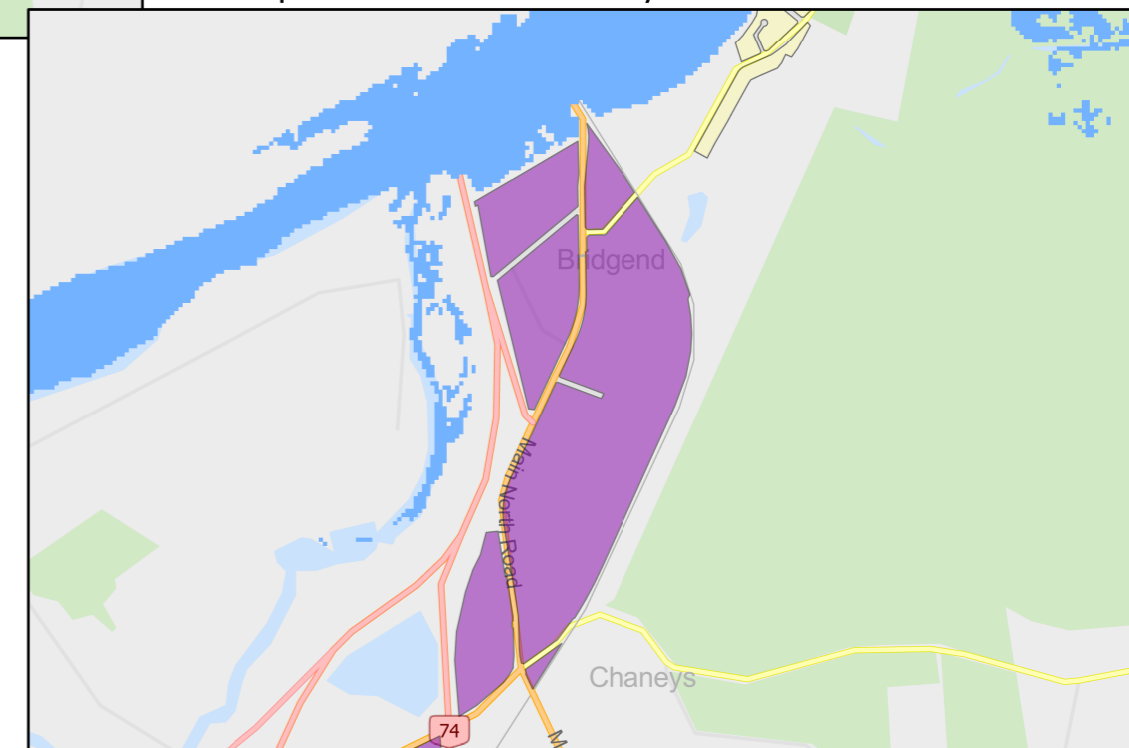


Tsunami Scenario: 1-500-2120-MHWS-MSL106

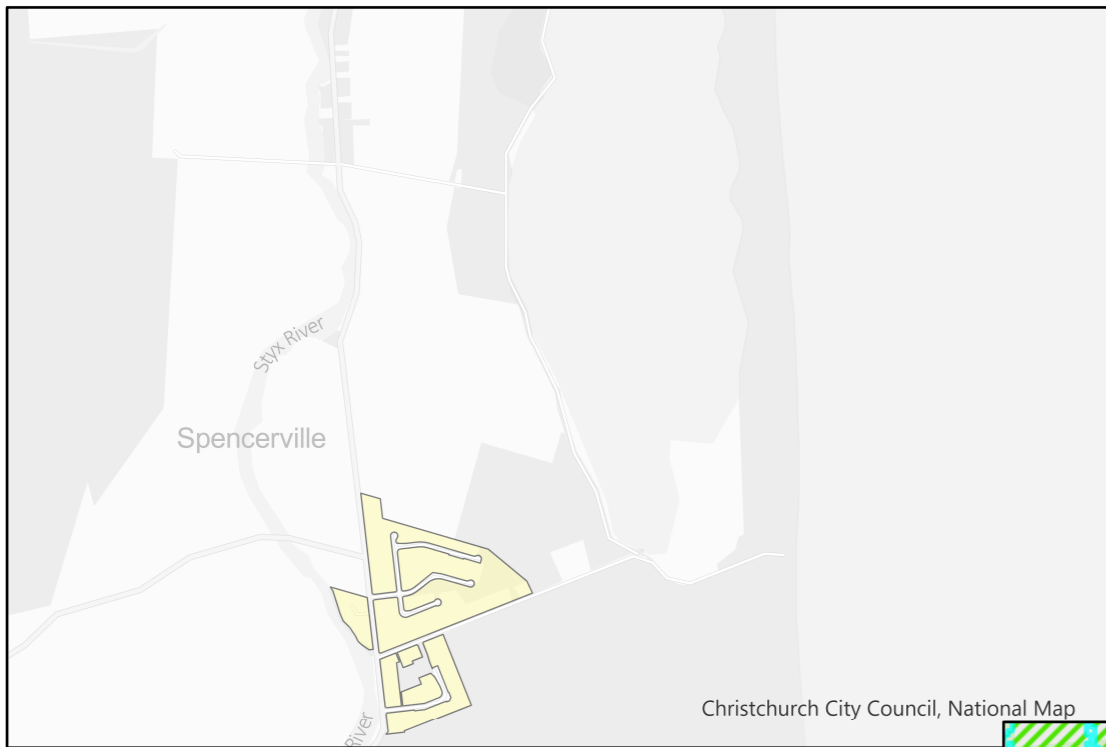
0.301 - 5.25 Meters

Tsunami Scenario: 1-2500-2120-MHWS-MSL106

0.301 - 9.551 Meters



Map number: 6

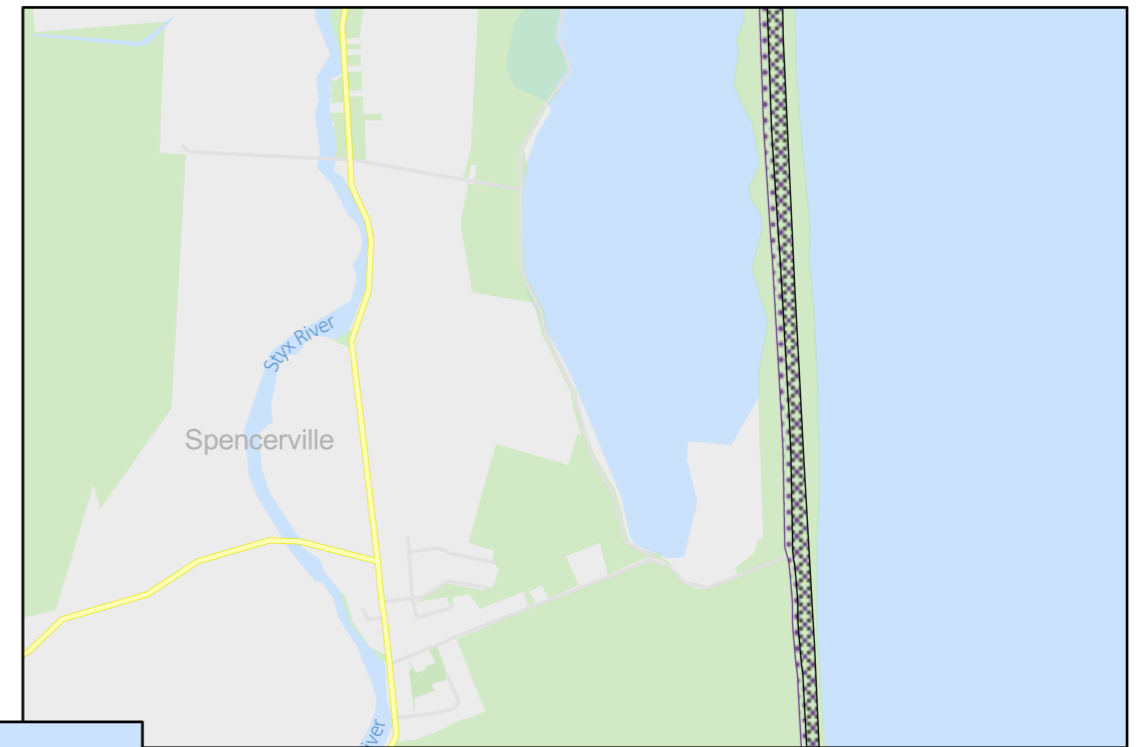


Operative Zones

- Commercial
- Industrial
- Residential
- Residential Medium Density
- Residential Suburban Density Transition

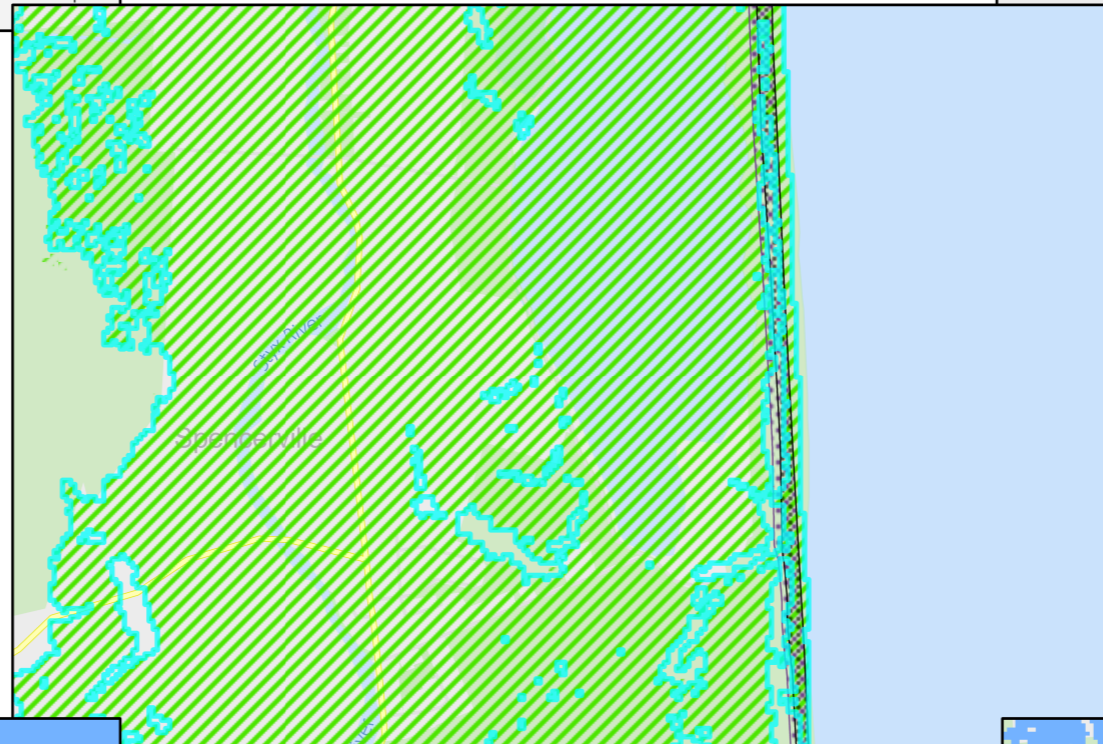
Qualifying Matter - Coastal Hazard Management

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area

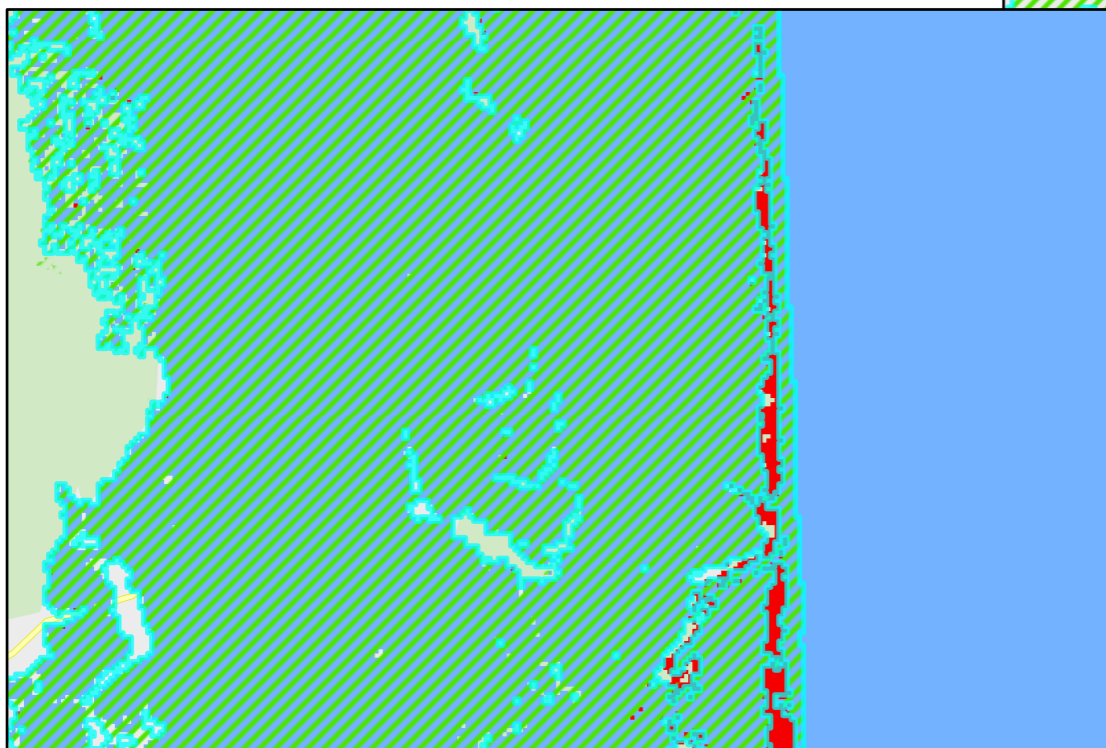


Qualifying Matter - Coastal Hazard Management & Tsunami

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area
- Tsunami Management Area



Operative Zones + 1:500 year Tsunami Scenario

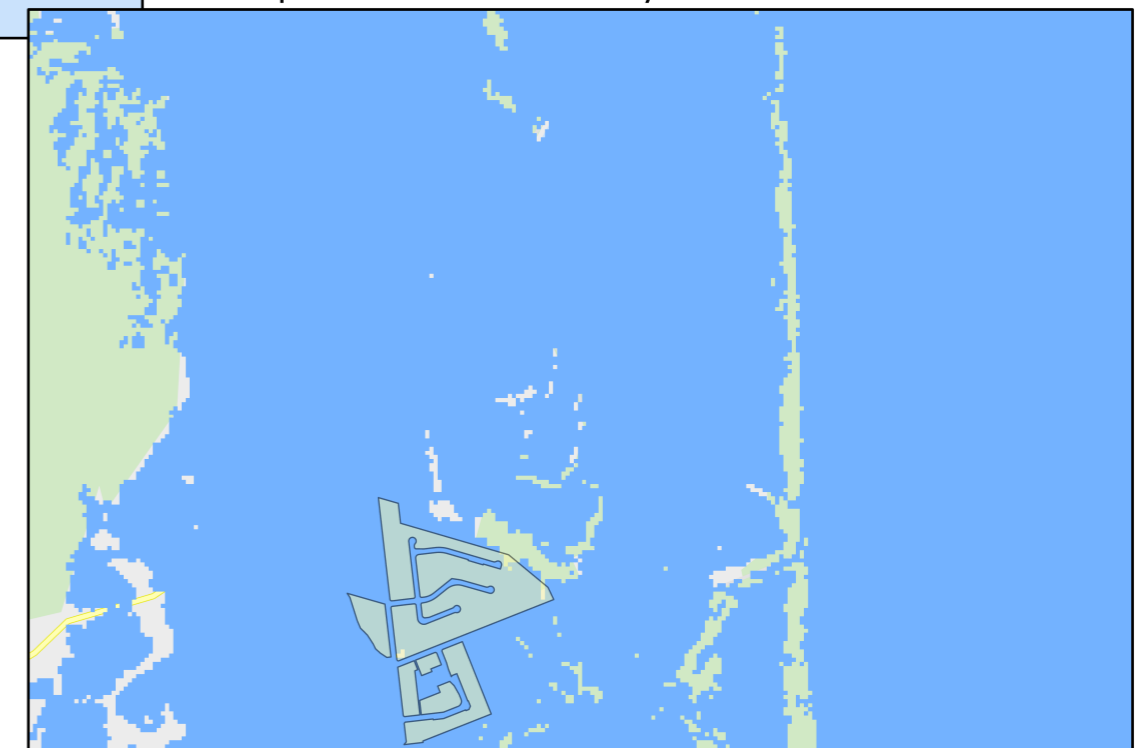


Tsunami Scenario: 1-500-2120-MHWS-MSL106

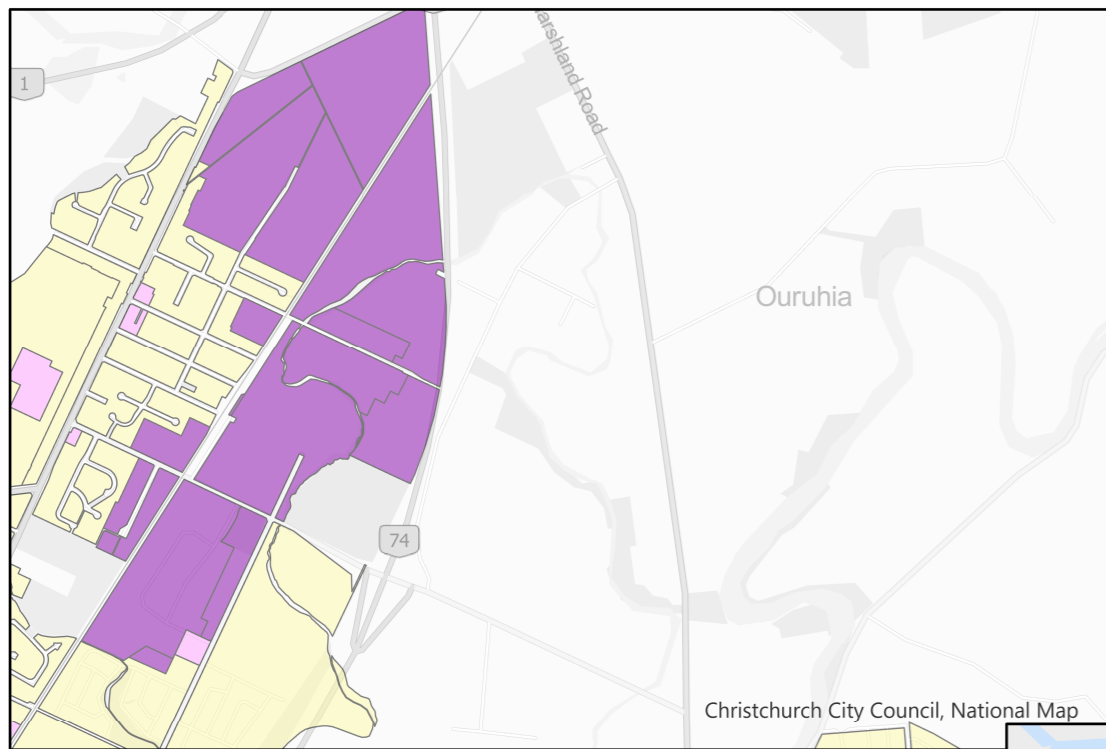
0.301 - 5.25 Meters

Tsunami Scenario: 1-2500-2120-MHWS-MSL106

0.301 - 9.551 Meters



Map number: 12



Operative Zones

- Commercial
- Industrial
- Residential
- Residential Medium Density
- Residential Suburban Density Transition

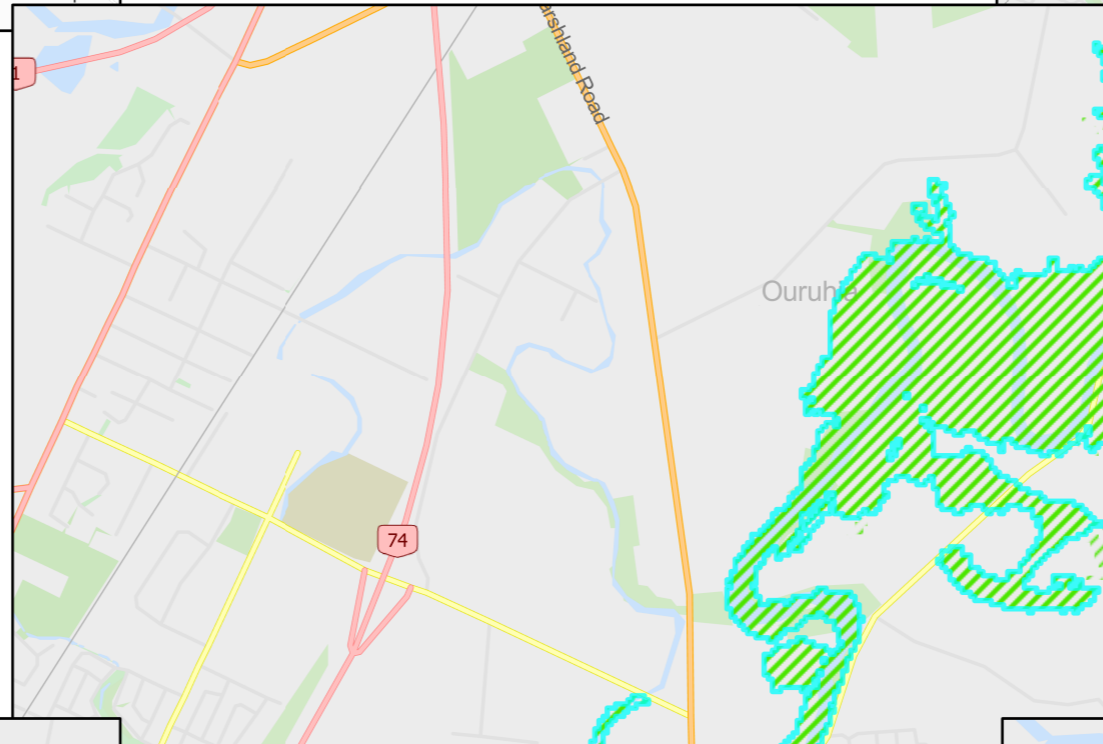
Qualifying Matter - Coastal Hazard Management

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area

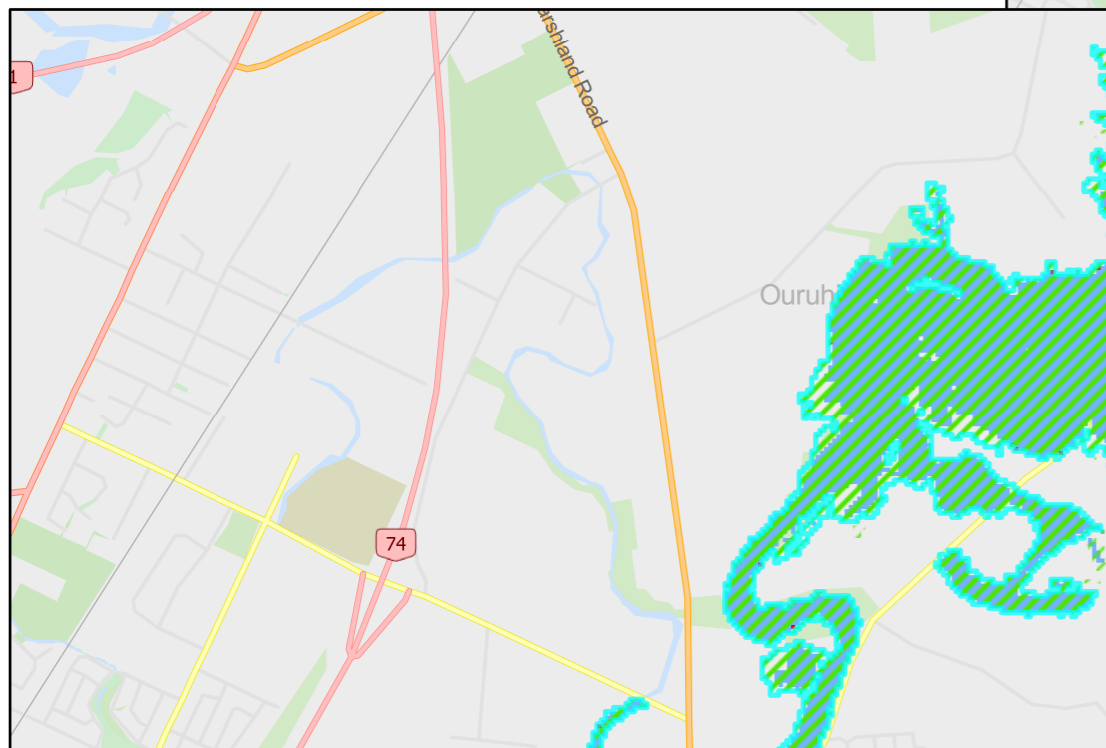


Qualifying Matter - Coastal Hazard Management & Tsunami

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area
- Tsunami Management Area



Operative Zones + 1:500 year Tsunami Scenario

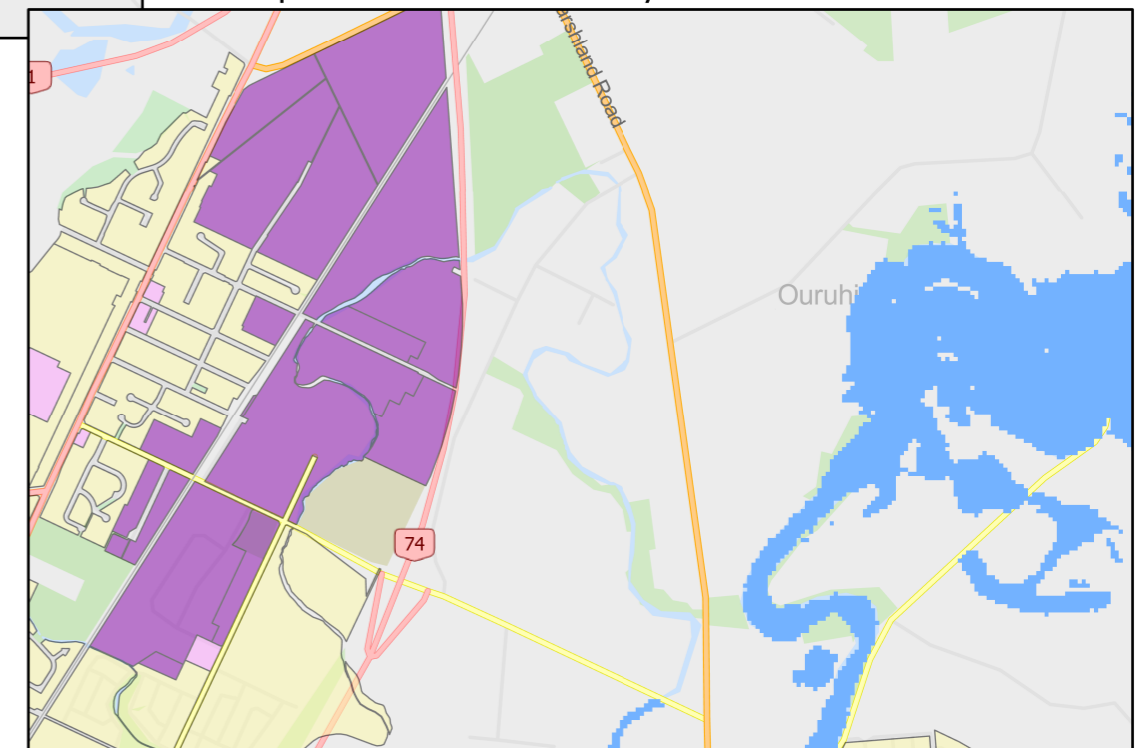


Tsunami Scenario: 1-500-2120-MHWS-MSL106

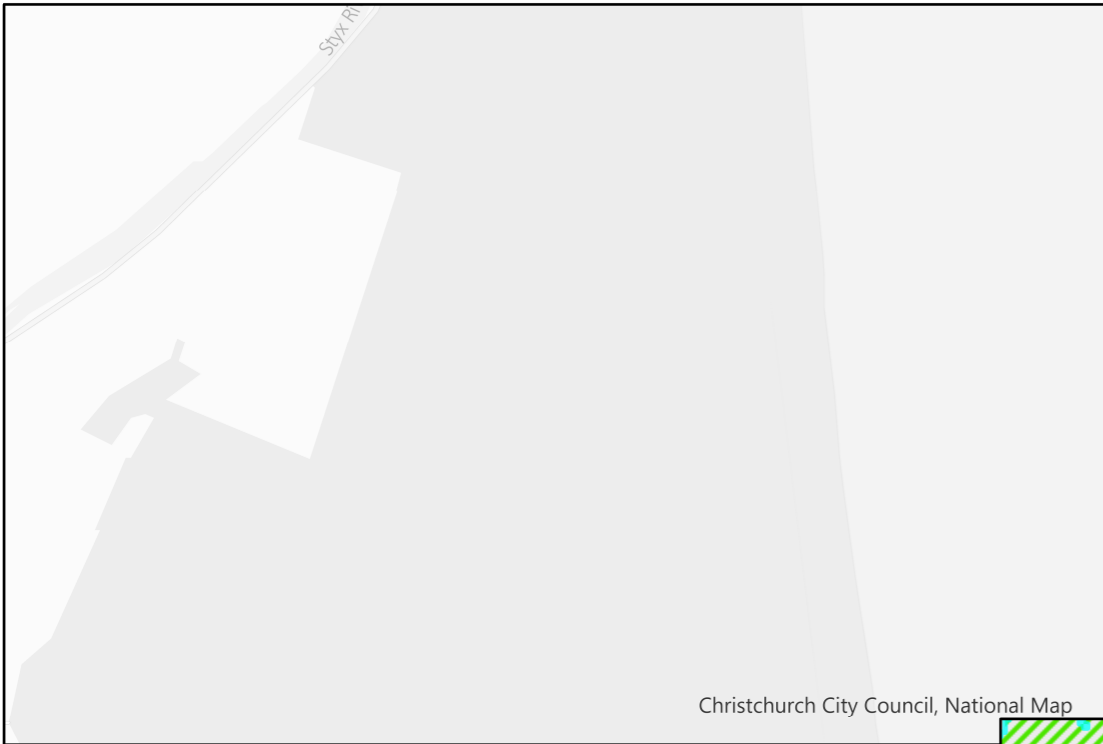
0.301 - 5.25 Meters

Tsunami Scenario: 1-2500-2120-MHWS-MSL106

0.301 - 9.551 Meters



Map number: 13



Operative Zones

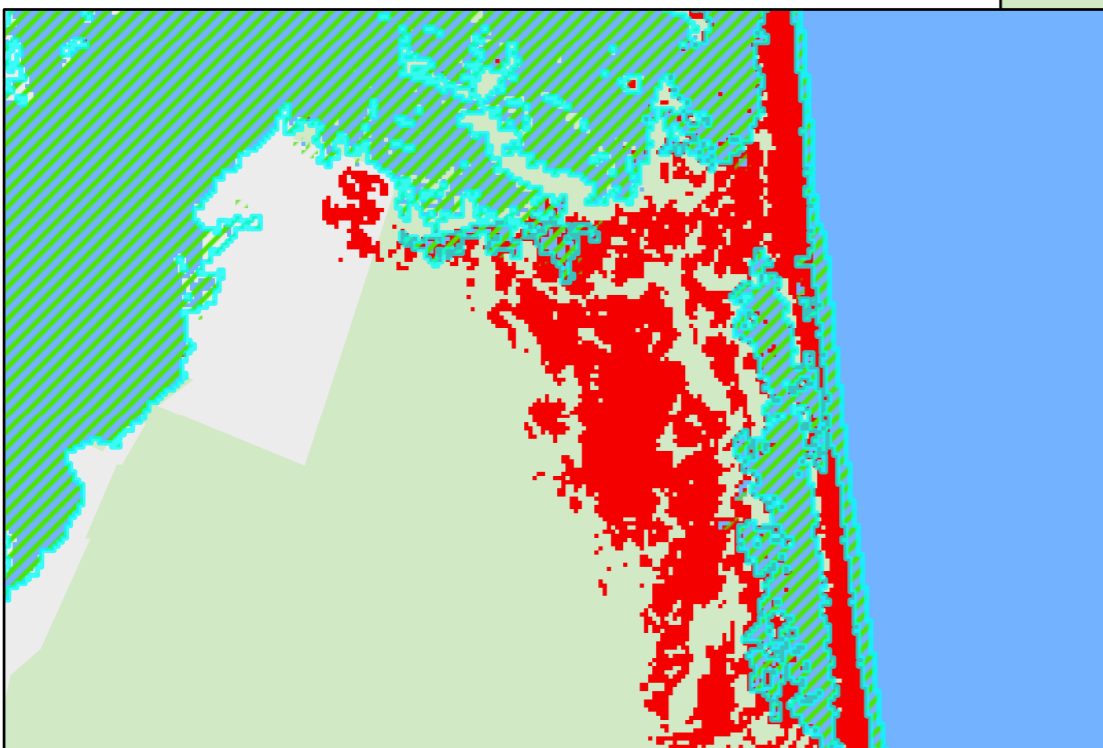
- Commercial
- Industrial
- Residential
- Residential Medium Density
- Residential Suburban Density Transition

Qualifying Matter - Coastal Hazard Management

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area

Qualifying Matter - Coastal Hazard Management & Tsunami

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area
- Tsunami Management Area



Tsunami Scenario: 1-500-2120-MHWS-MSL106

0.301 - 5.25 Meters

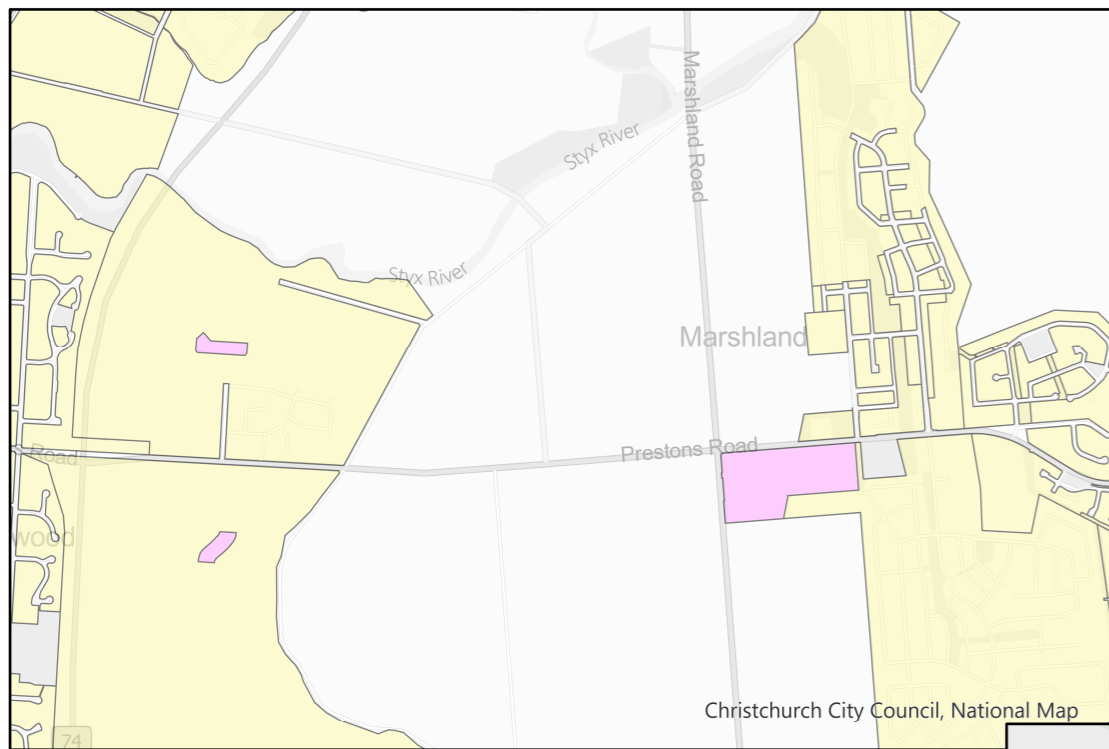
Tsunami Scenario: 1-2500-2120-MHWS-MSL106

0.301 - 9.551 Meters



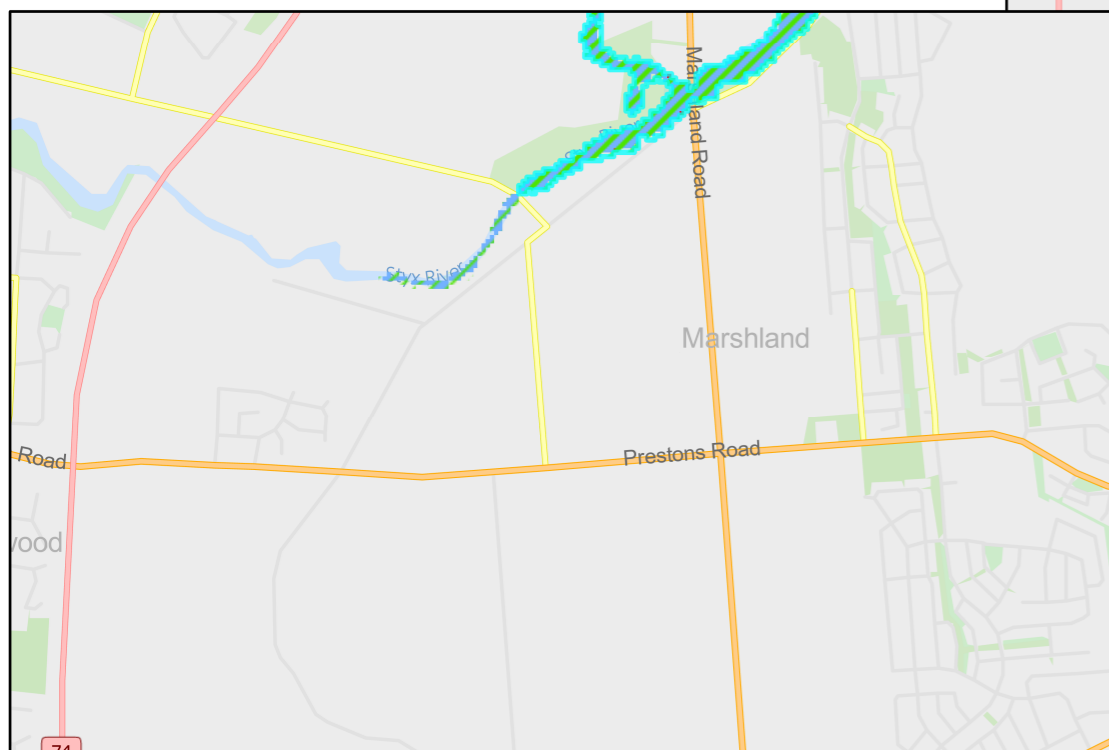
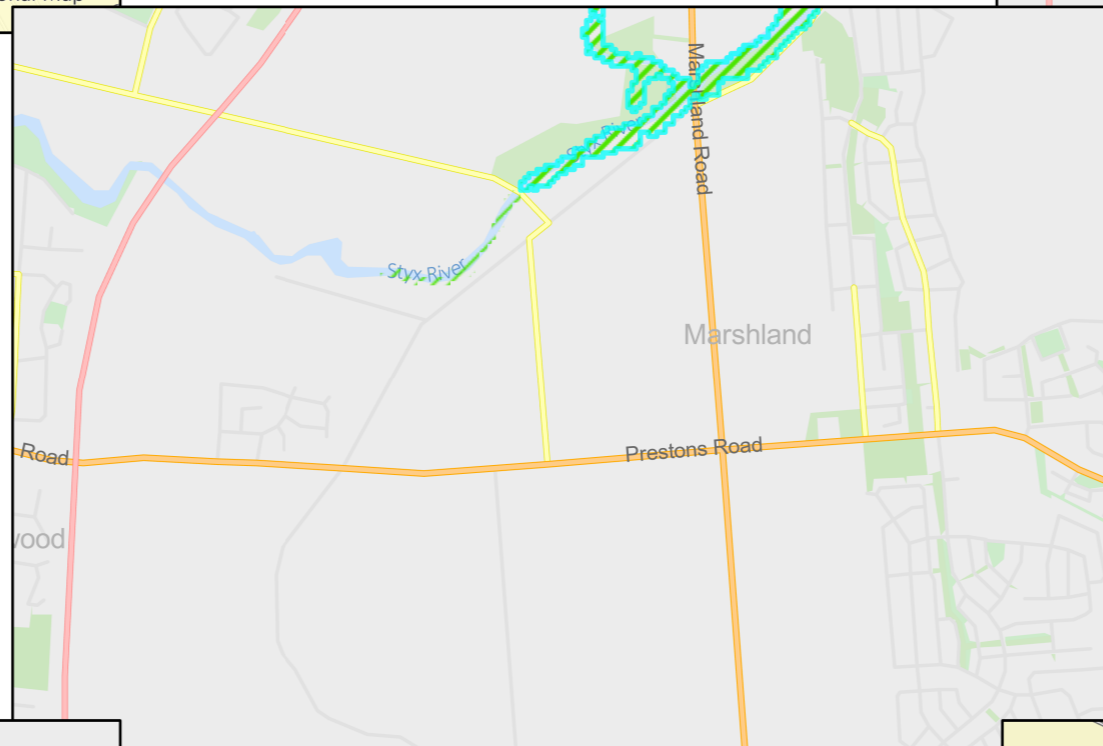
Operative Zones + 1:500 year Tsunami Scenario

Map number: 19



Qualifying Matter - Coastal Hazard Management & Tsunami

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area
- Tsunami Management Area



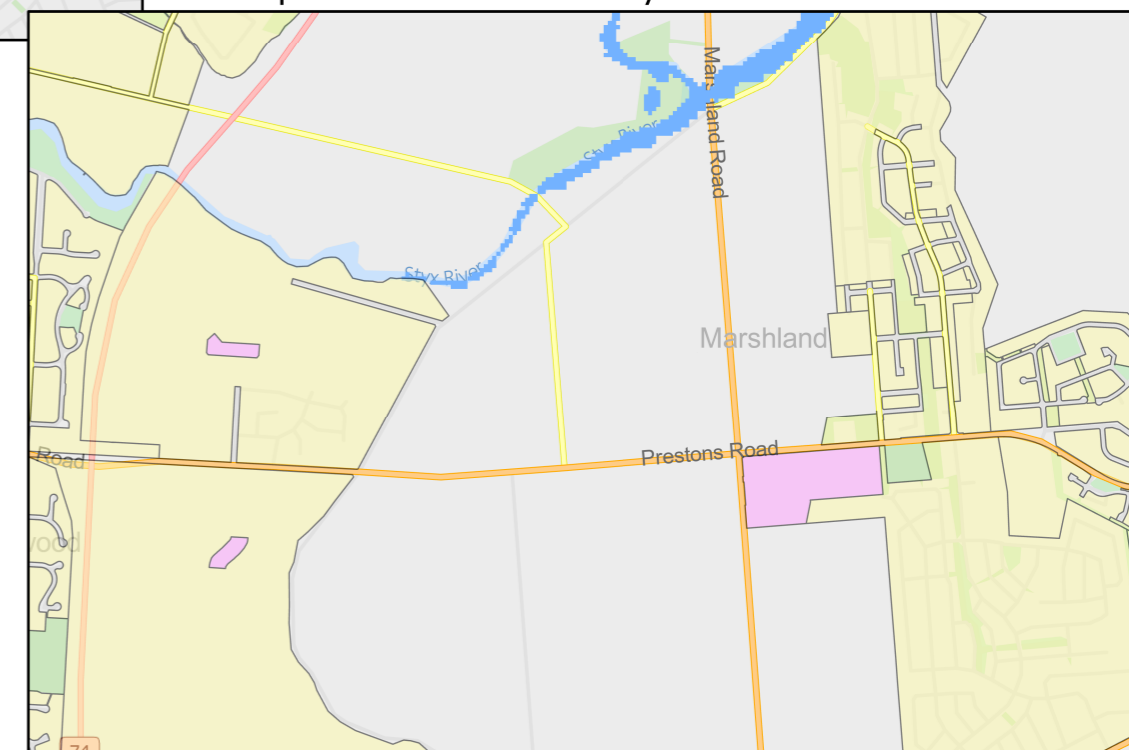
Tsunami Scenario: 1-500-2120-MHWS-MSL106

0.301 - 5.25 Meters

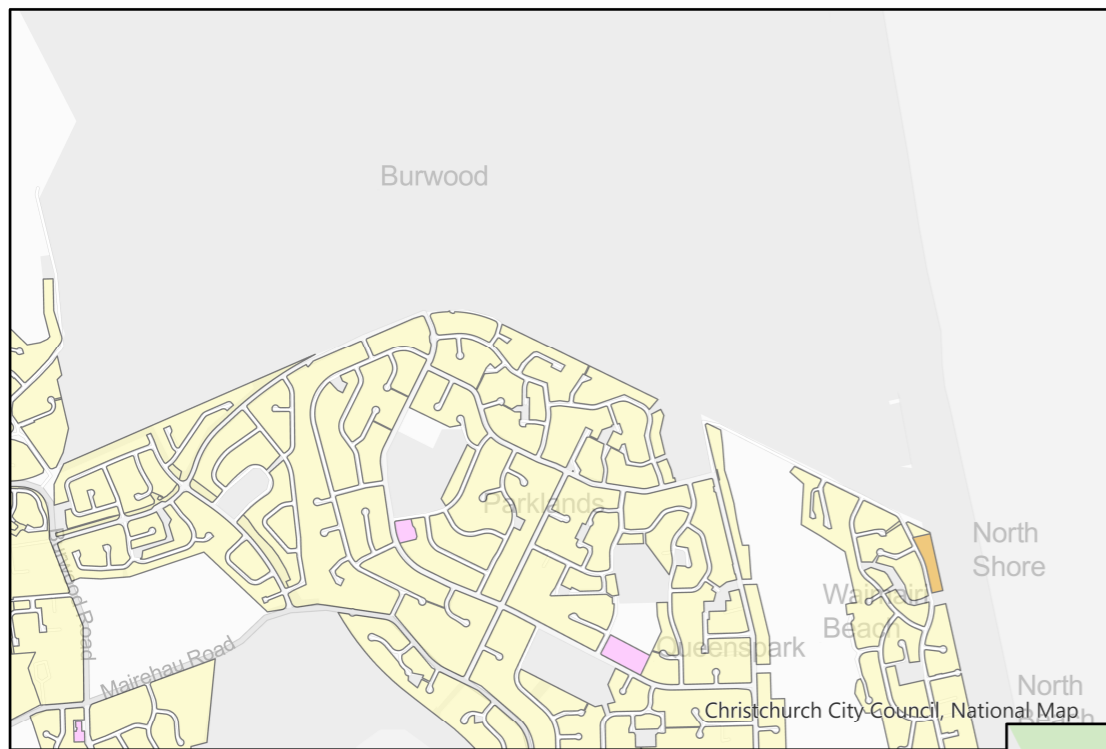
Tsunami Scenario: 1-2500-2120-MHWS-MSL106

0.301 - 9.551 Meters

Operative Zones + 1:500 year Tsunami Scenario



Map number: 20

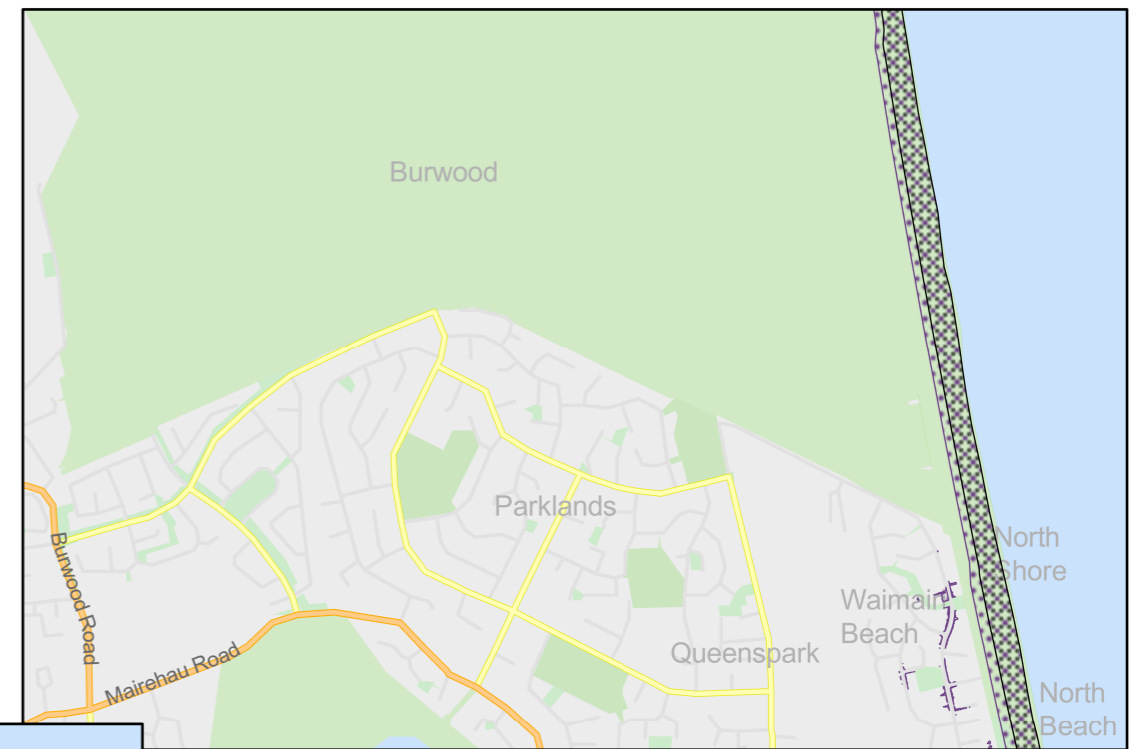


Operative Zones

- Commercial
- Industrial
- Residential
- Residential Medium Density
- Residential Suburban Density Transition

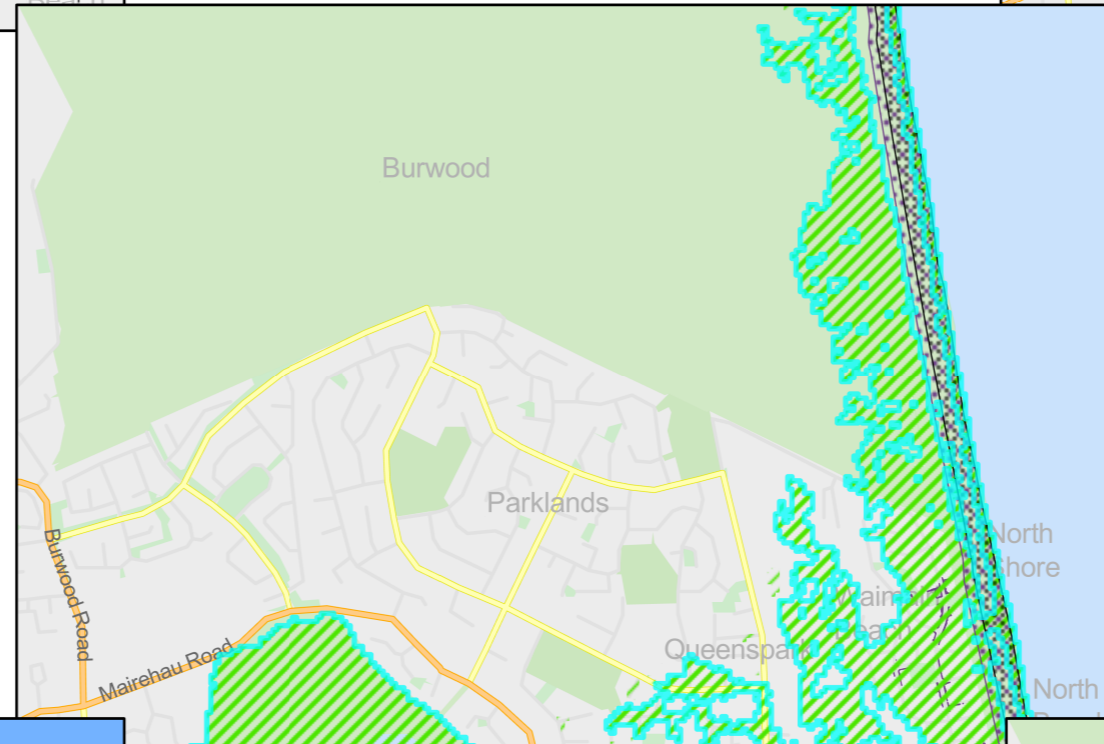
Qualifying Matter - Coastal Hazard Management

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area

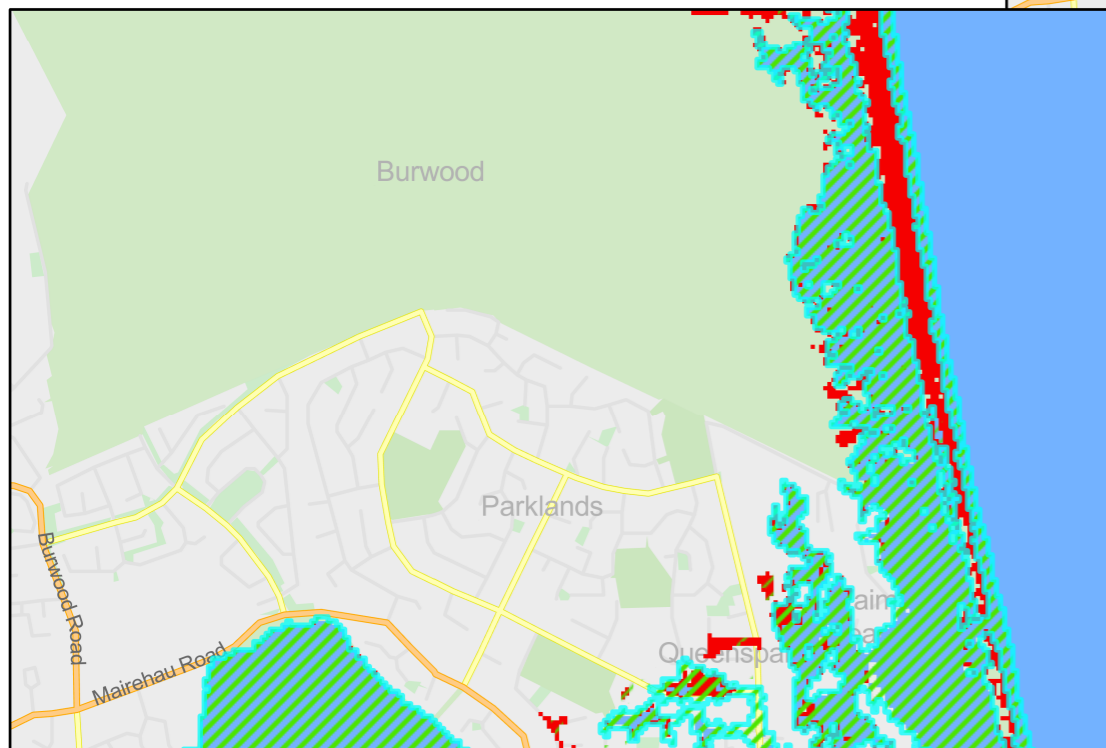


Qualifying Matter - Coastal Hazard Management & Tsunami

- Coastal Hazard High Risk Management Area
- Coastal Hazard Medium Risk Management Area
- Tsunami Management Area



Operative Zones + 1:500 year Tsunami Scenario



Tsunami Scenario: 1-500-2120-MHWS-MSL106

0.301 - 5.25 Meters

Tsunami Scenario: 1-2500-2120-MHWS-MSL106

0.301 - 9.551 Meters

