Dollars & Sense of Walking
Creating Liveable Communities
Conference 2 - 3 August 2010
Living Streets Aotearoa

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Accessibility

Measuring Accessibility and Providing Transport Choice

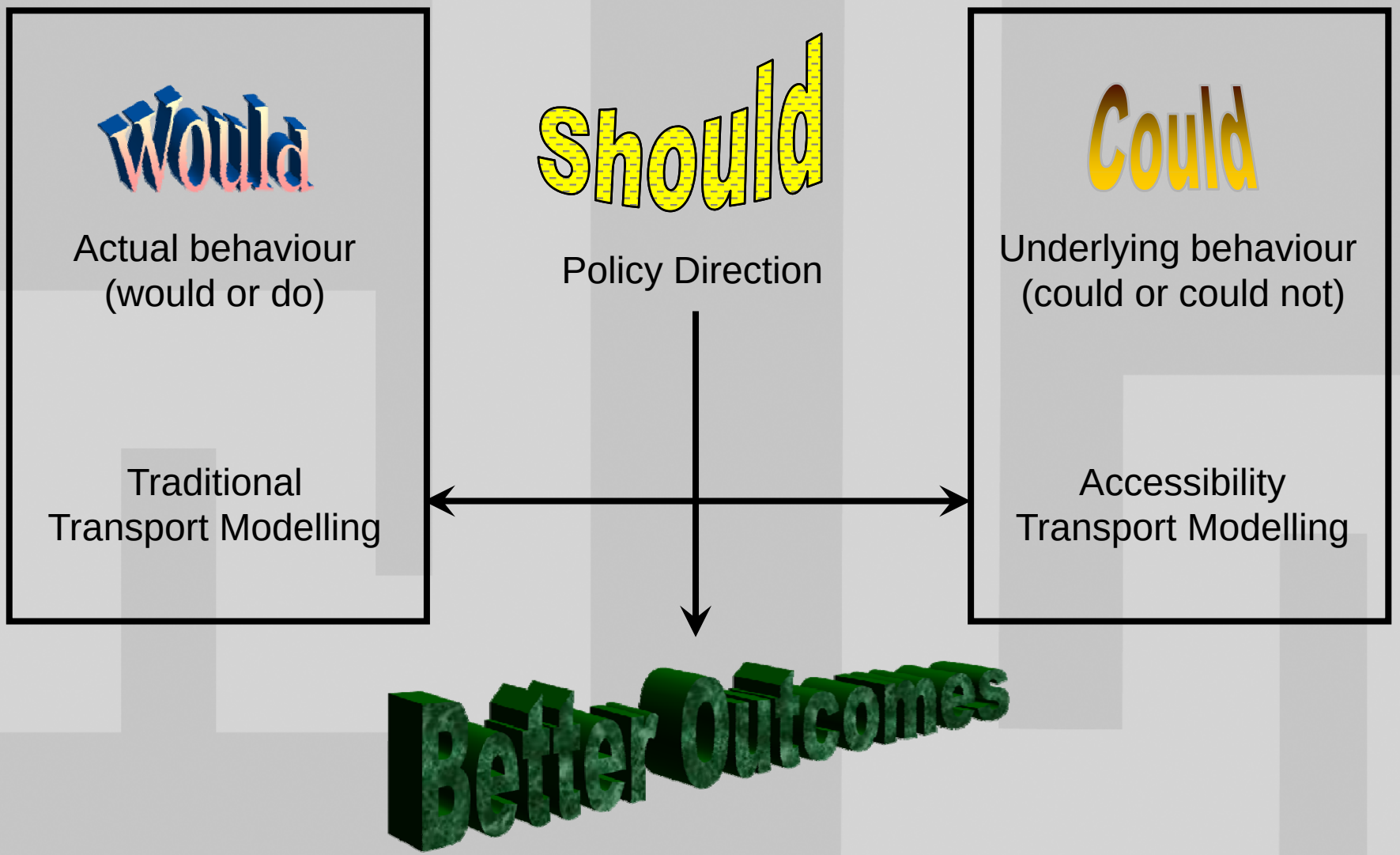
Presenter: Steve Abley
www.abley.com
Monday 2 August 2010

What's
NEW

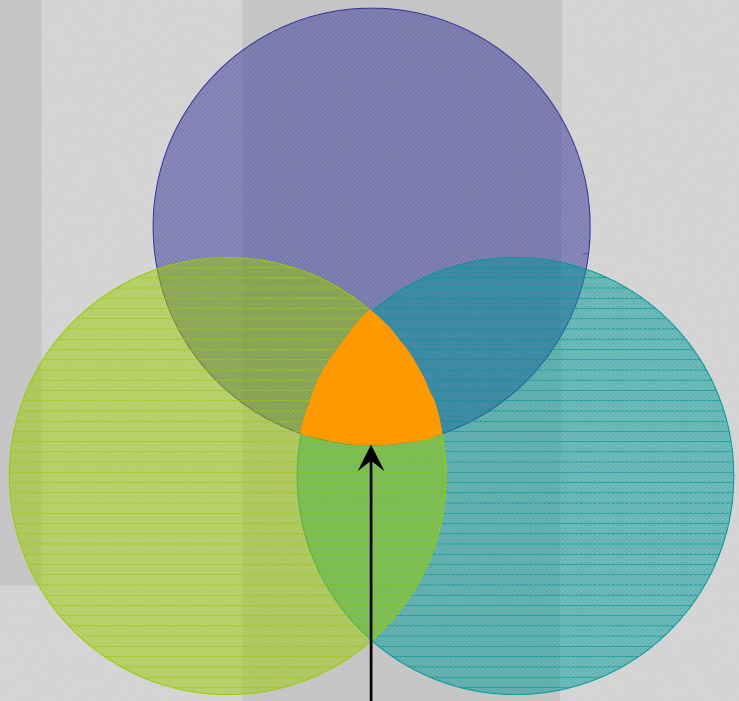
Measure Better

"If an organisation does not measure what it values, it will end up valuing what it measures" – UK Audit Commission

Outcomes

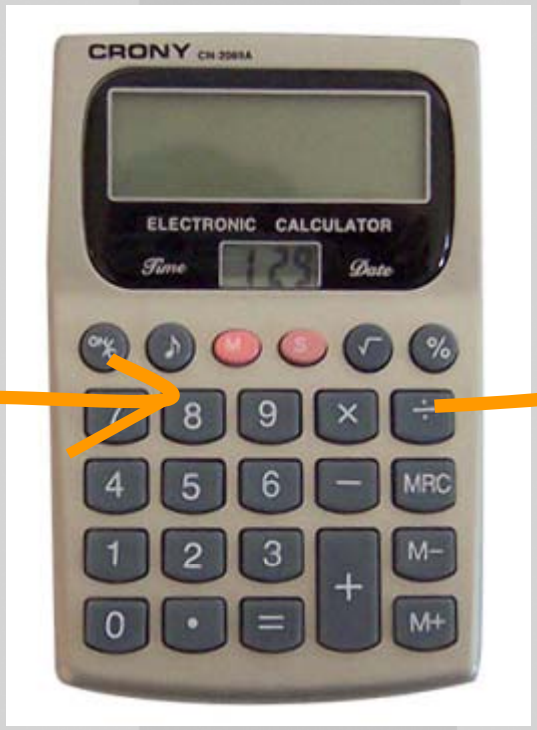

Would
Actual behaviour
(would or do)
Traditional
Transport Modelling
Should
Policy Direction
Could
Underlying behaviour
(could or could not)
Accessibility
Transport Modelling
Better Outcomes

Measuring Accessibility



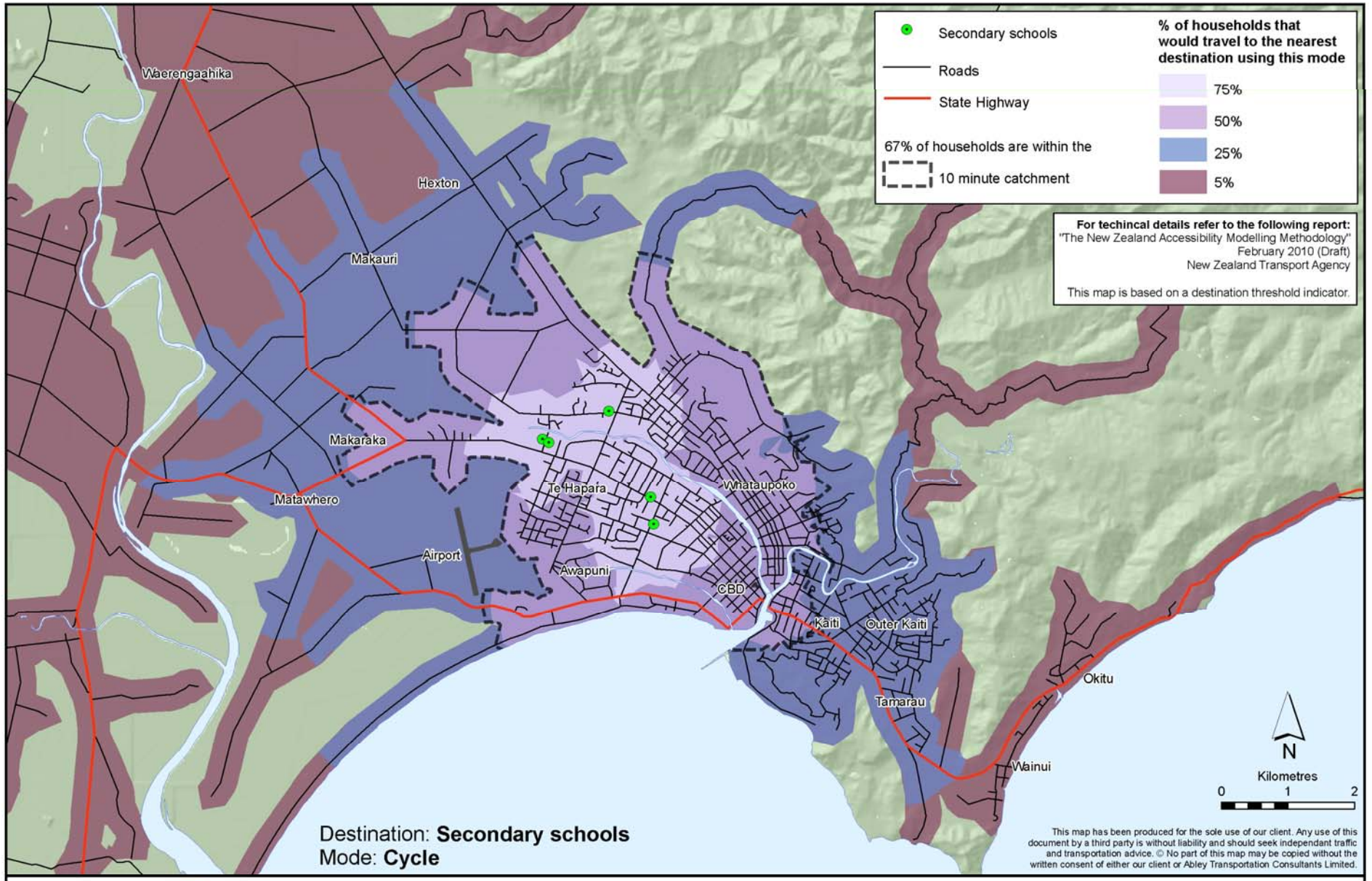
Solution

houses
opportunities
services
networks
behaviour
facilities



NZTA Accessibility Methodology

accessibility



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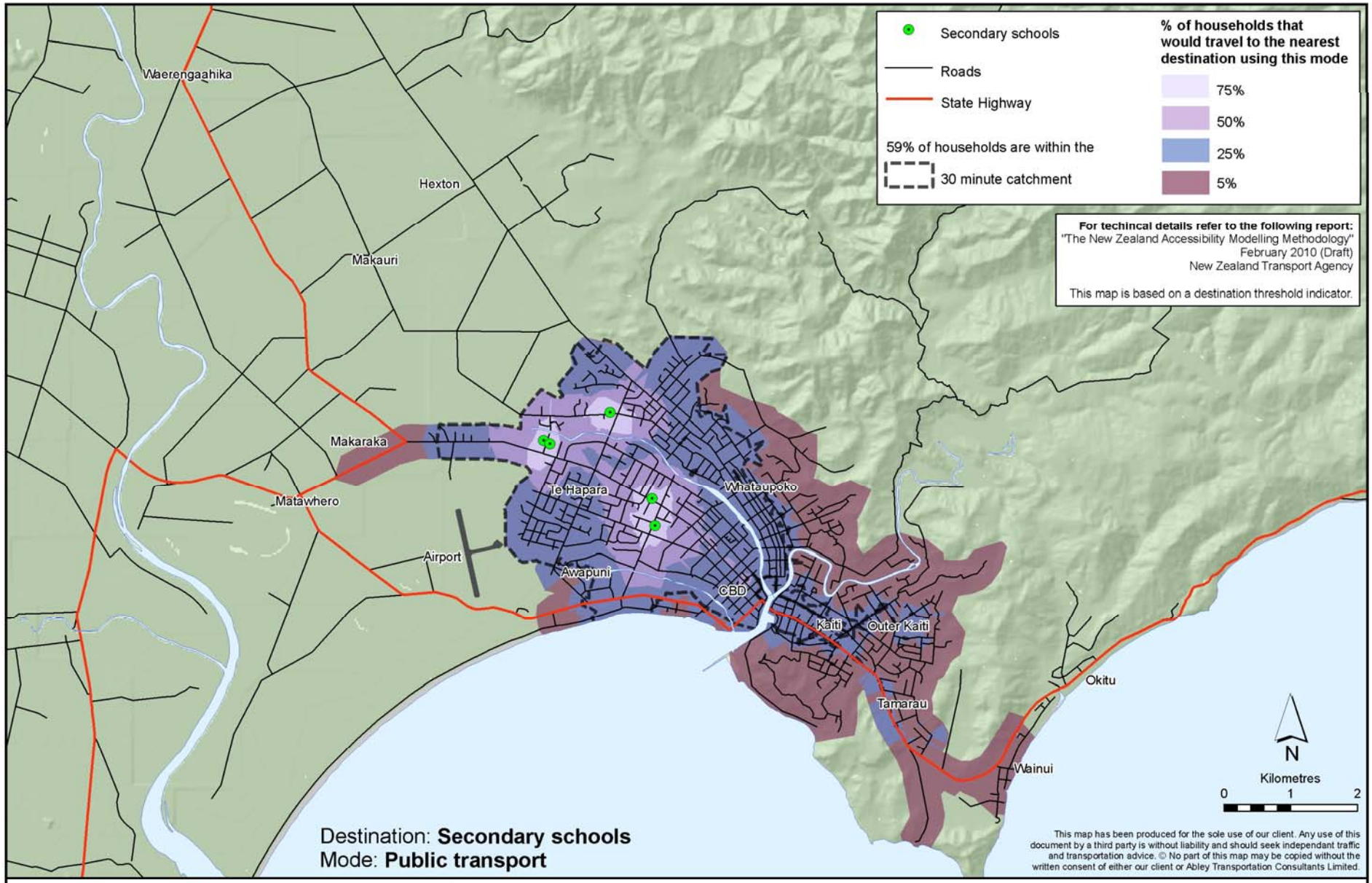
NZ TRANSPORT AGENCY
WAKA KOTAHI

Secondary school accessibility in Gisborne City by cycle

Project Number:	*3738*
Date:	*15/4/2010*
Scale:	*1 : 50,000 @ A3*
File Name:	*CY-HighSch-Catch.mxd*



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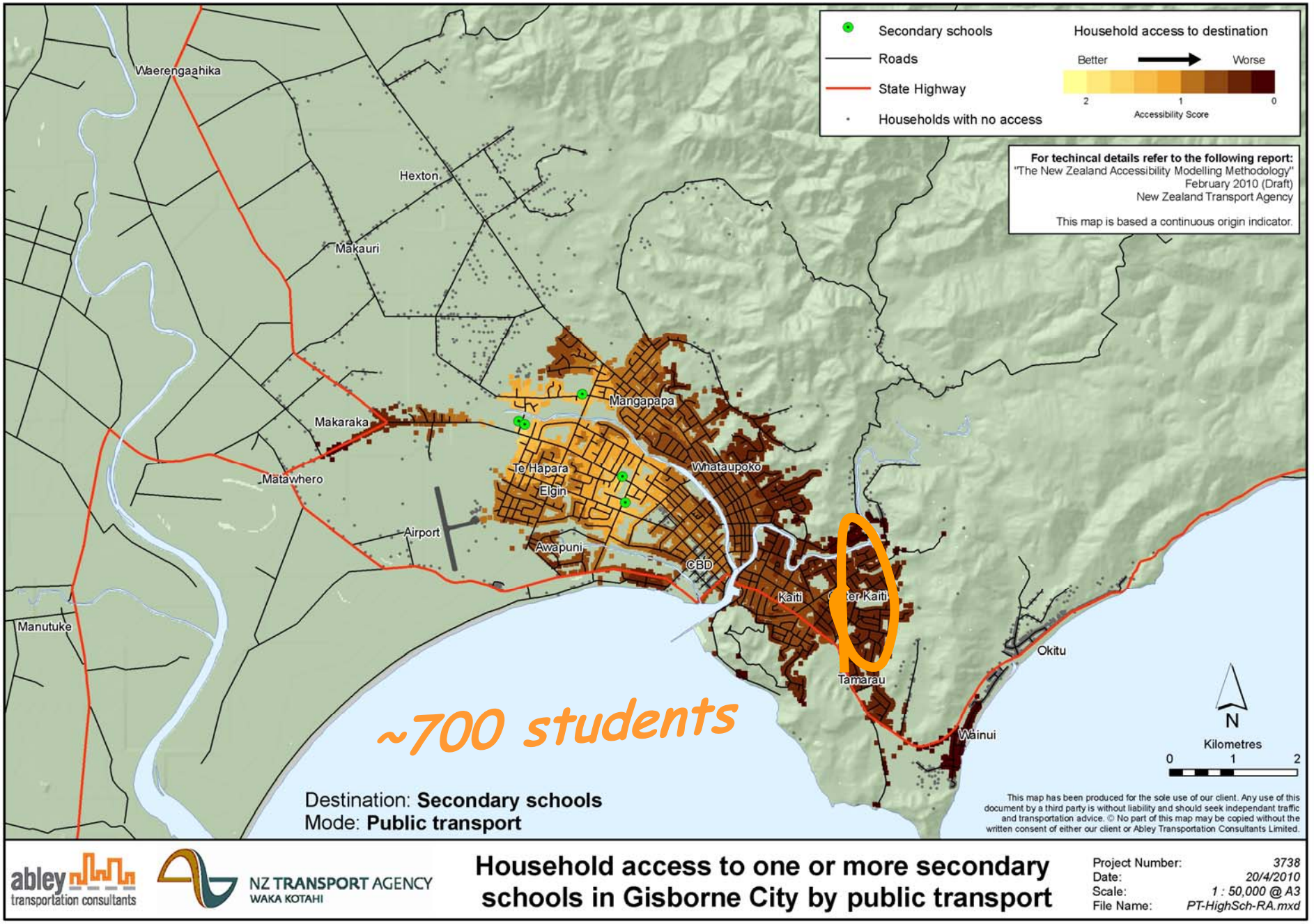
NZ TRANSPORT AGENCY
WAKA KOTAHI

Secondary school accessibility in Gisborne City by public transport

Project Number:	*3738*
Date:	*15/4/2010*
Scale:	*1 : 50,000 @ A3*
File Name:	*PT-HighSch-Catch.mxd*


Secondary schools
Roads
State Highway
Households with no access
Household access to destination
Better
Worse
2
1
0
Accessibility Score
For techincal details refer to the following report:
"The New Zealand Accessibility Modelling Methodology"
February 2010 (Draft)
New Zealand Transport Agency
This map is based a continuous origin indicator.
Waerengaahika
Hexton
Makauri
Makaraka
Matawhero
Airport
Manutuke
Mangapapa
Te Hapara
Elgin
Awapuni
CBD
Whataupoko
Kaiti
Okitu
Tamarau
Wainui
~700 students
N
Kilometres
0
1
2
Destination: Secondary schools
Mode: Public transport
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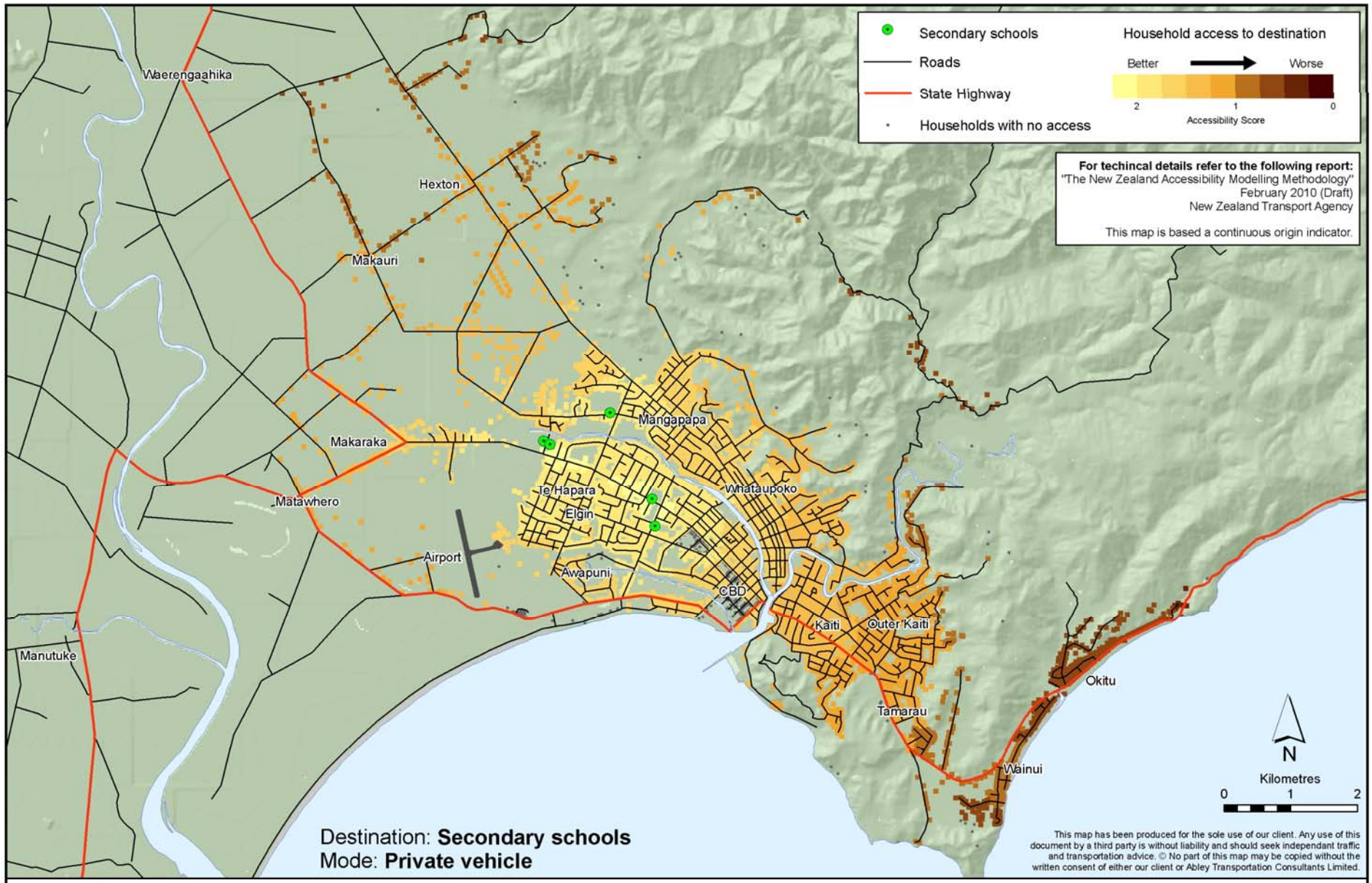
NZ TRANSPORT AGENCY
WAKA KOTAHI
Household access to one or more secondary schools in Gisborne City by public transport
Project Number: 3738
Date: 20/4/2010
Scale: 1 : 50,000 @ A3
File Name: PT-HighSch-RA.mxd



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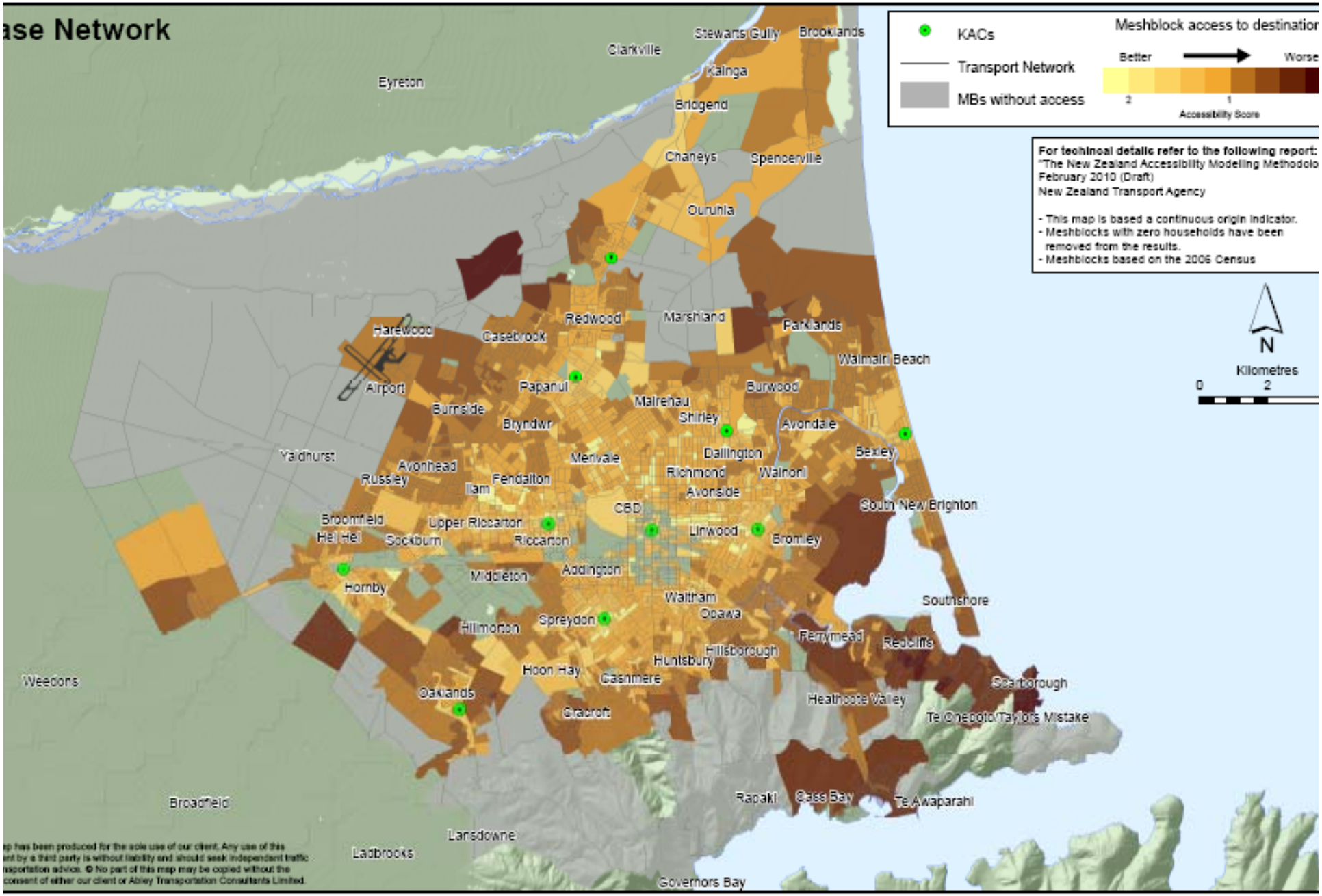
Household access to one or more secondary schools in Gisborne City by private vehicle

Project Number:	3738
Date:	20/4/2010
Scale:	1 : 50,000 @ A3
File Name:	PV-HighSch-RA.mxd



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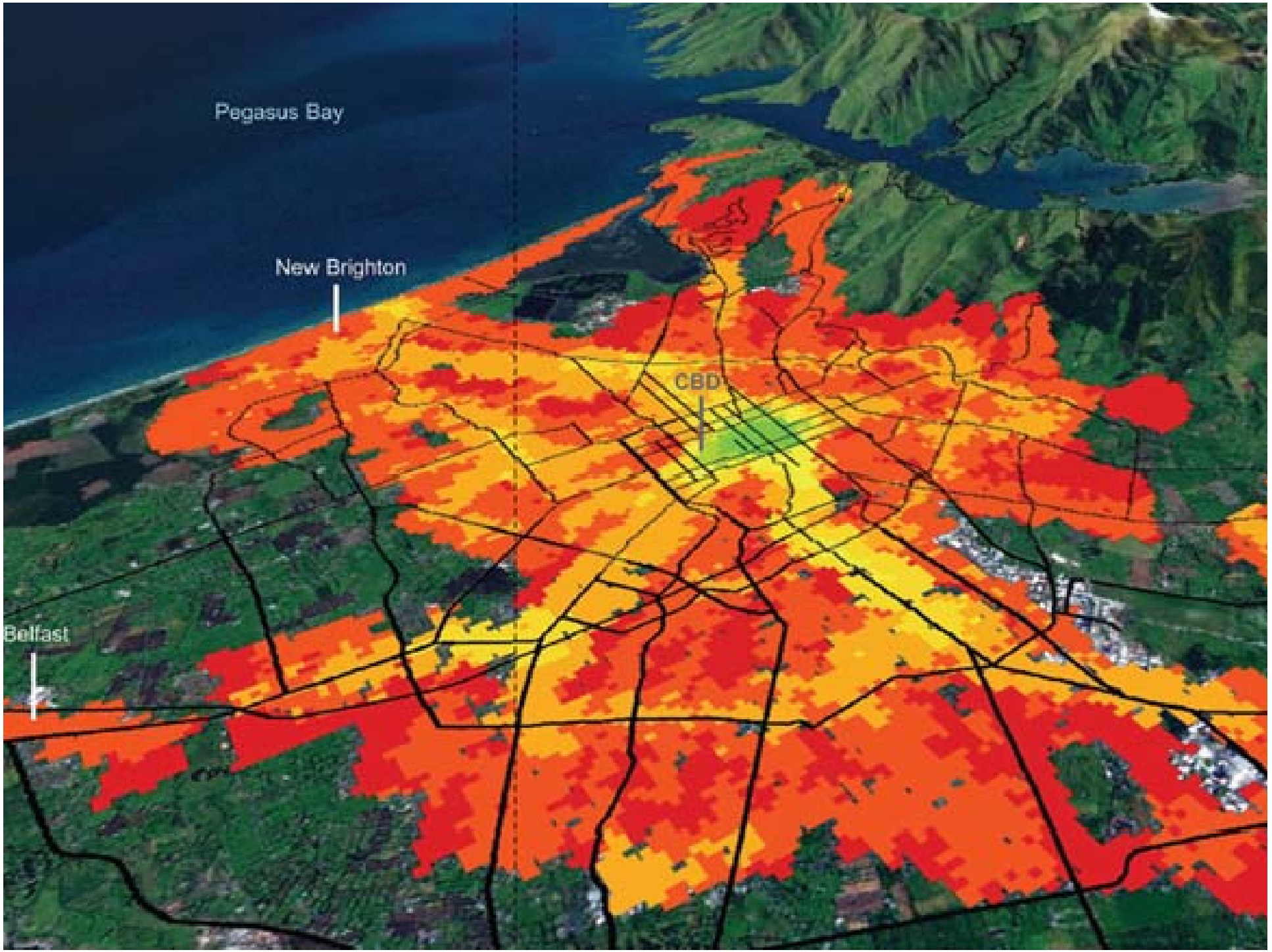
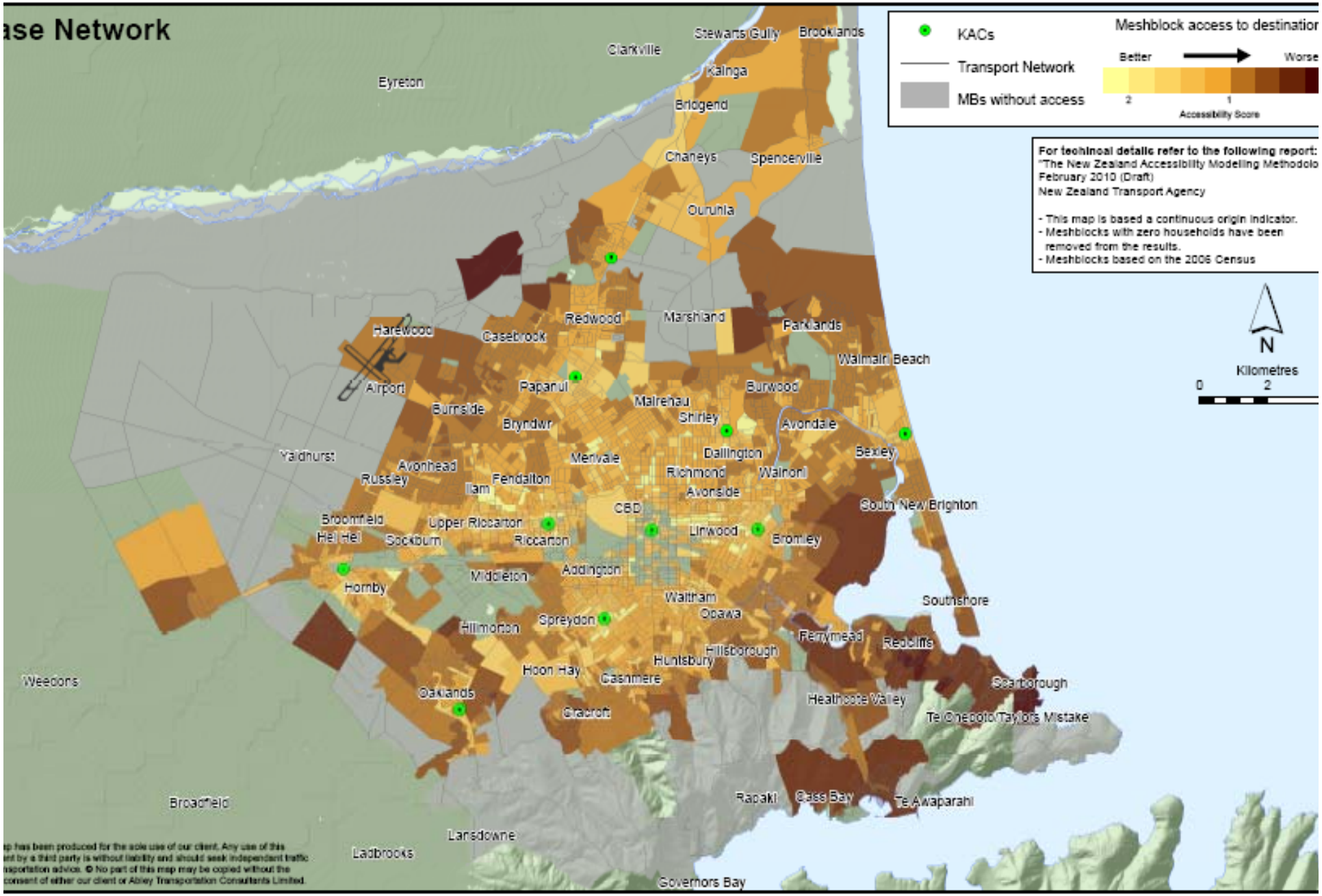
Meshblock (MB) access to one or more Key Activity Centres (KACs) in Christchurch City public transport

Project Number:
Date: 10/5/2
Scale: 1 : 100,000 @
File Name: PT-KACs-Base-RA


Pegasus Bay
New Brighton
CBD
Belfast



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Project Number:
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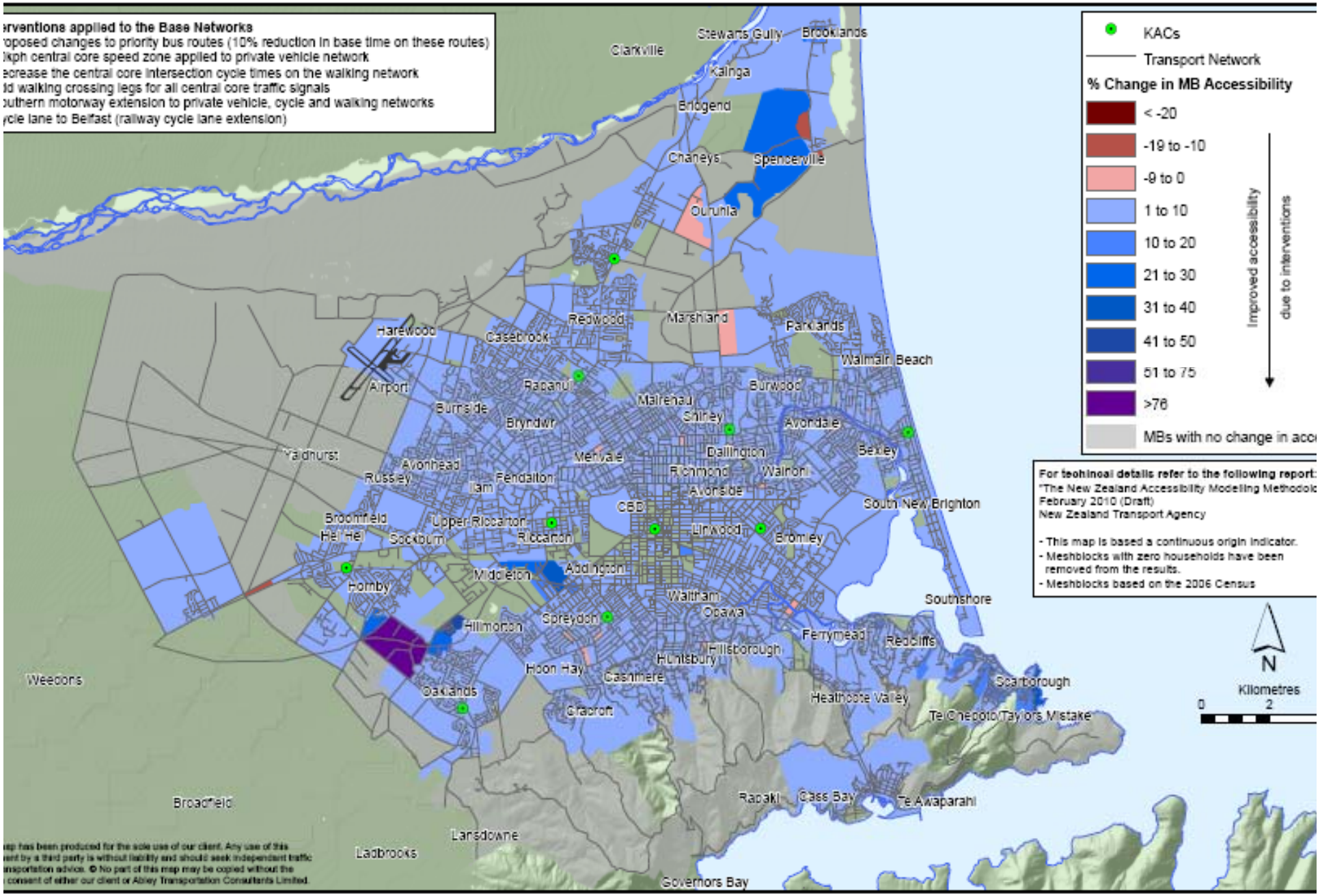

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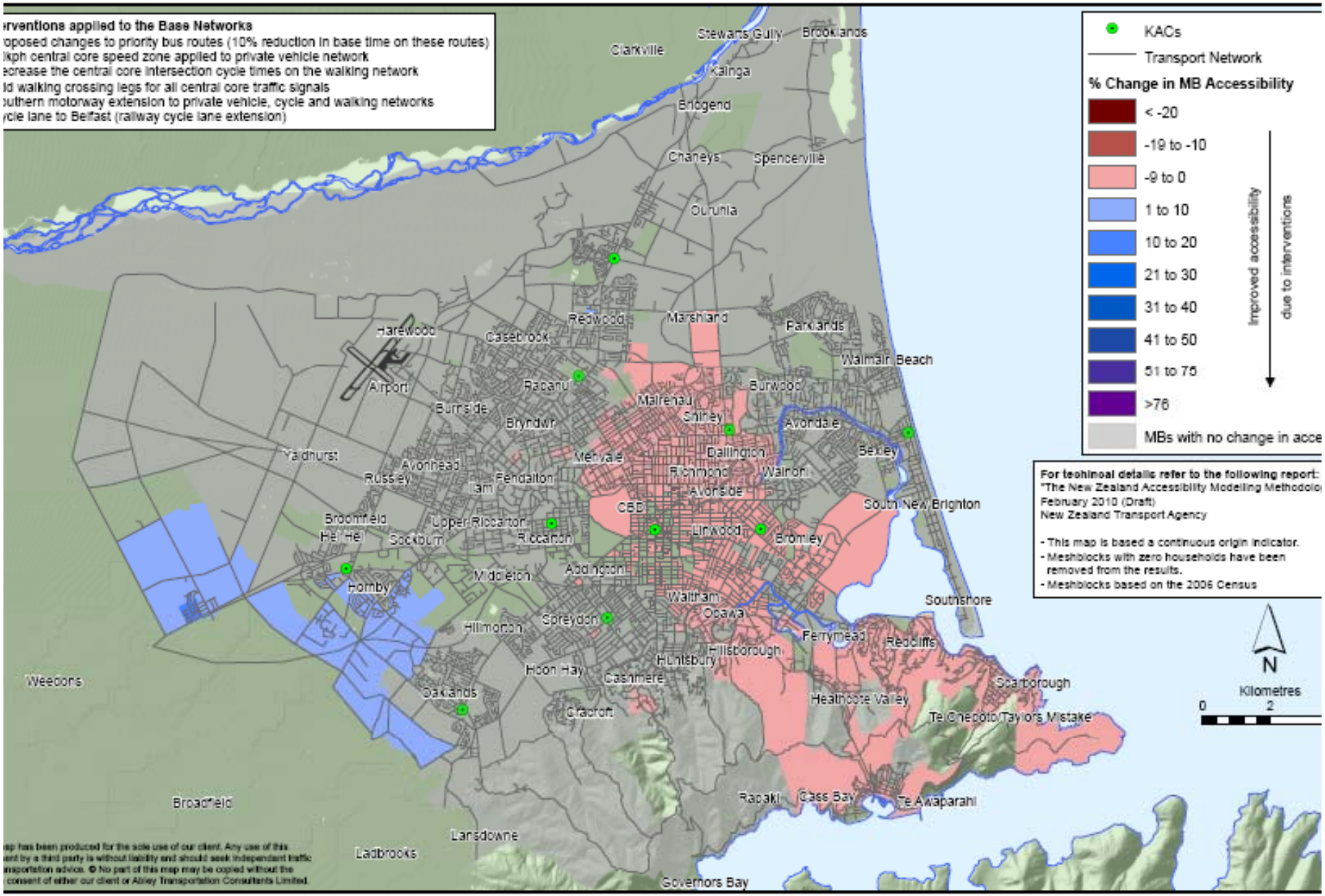
Changes in meshblock (MB) access to one or more Key Activity Centres (KACs) in Christchurch City by public transport (Between base and intervention networks)

Project Number:
Date: 10/5/
Scale: 1 : 100,000 (
File Name: PT-KACs-Changes-RA



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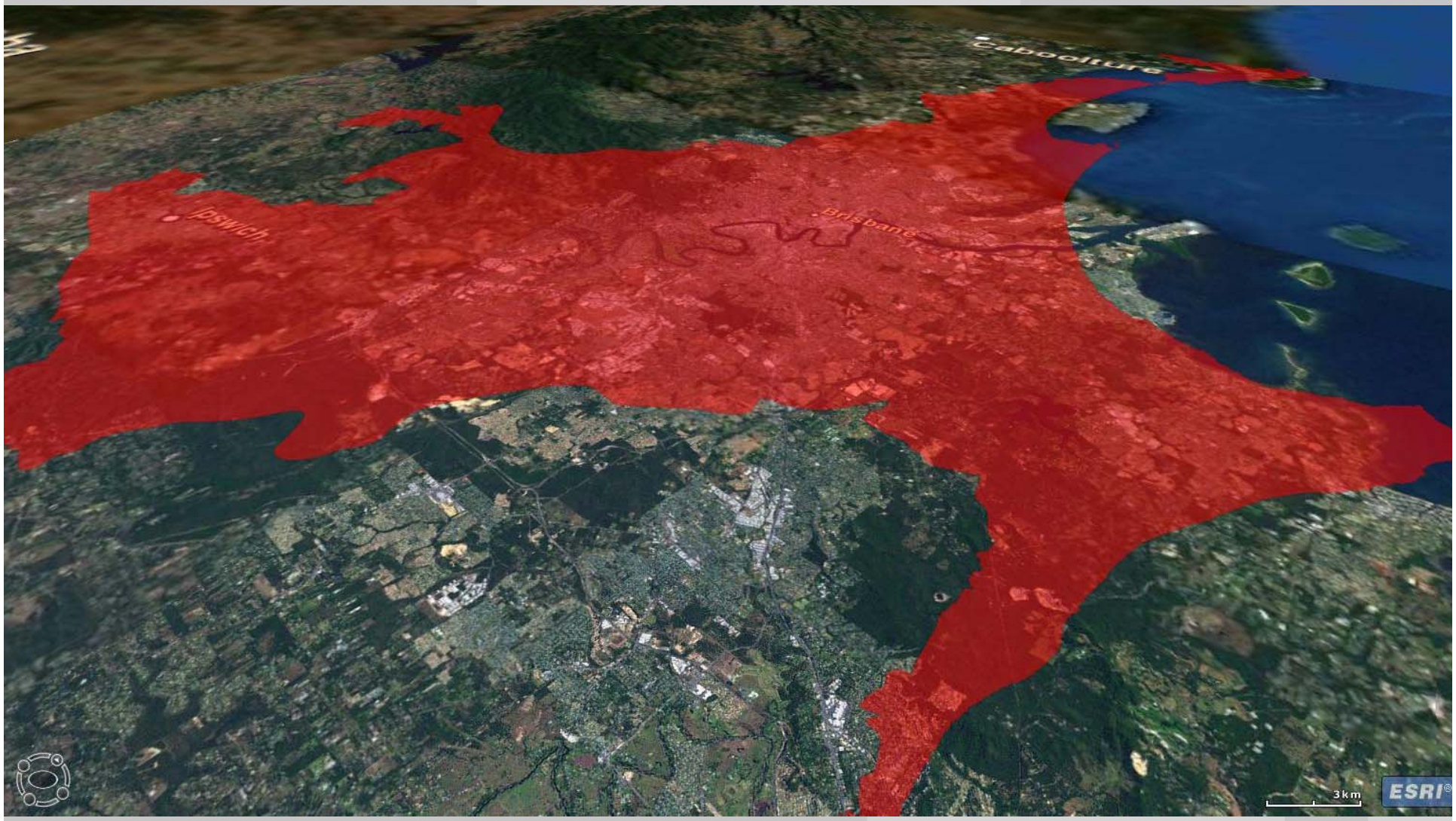
Changes in meshblock (MB) access to one or more Key Activity Centres (KACs) in Christchurch City by private vehicle (Between base and intervention networks)

Project Number: 3
Date: 10/5/2
Scale: 1 : 100,000 @
File Name: PV-KACs-Changes-RA..

Auckland
AUCKLAND REGION
Hamilton
TARANAKI REGION
Taumarunui
Rotorua
Taupo
WAIKATO REGION
39°S
BAY OF PLENTY REGION
175°15'E
Wanganui
39°30'S
175°45'E
MANAWATU-WANGANUI REGION
176°15'E
40°S
Palmerston North
Napier
Hastings
176°45'E
HAWKE'S BAY REGION
Gisborne
GISBORNE REGION
40°30'S
WELLINGTON REGION
37km

Heretaunga

Brisbane

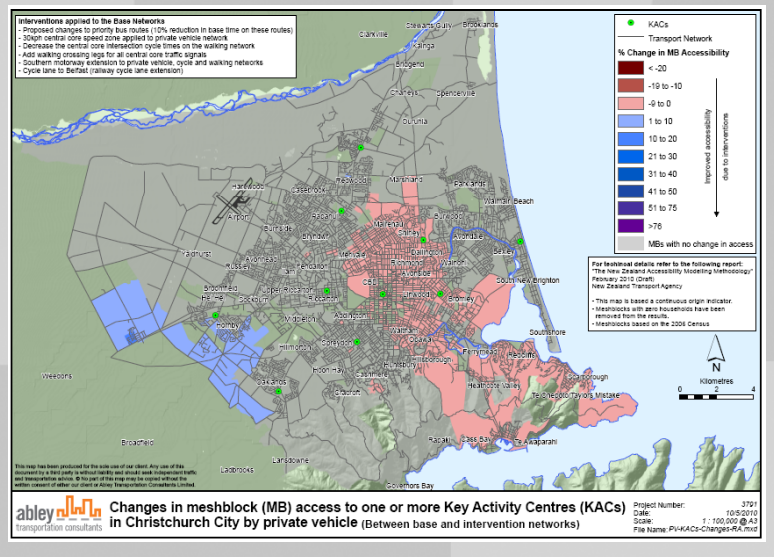


Conclusions

1) audit commission

2) Would Should Could

3)



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