



Dunedin 3 Waters Strategy

Orari Street Integrated Catchment Management Plan

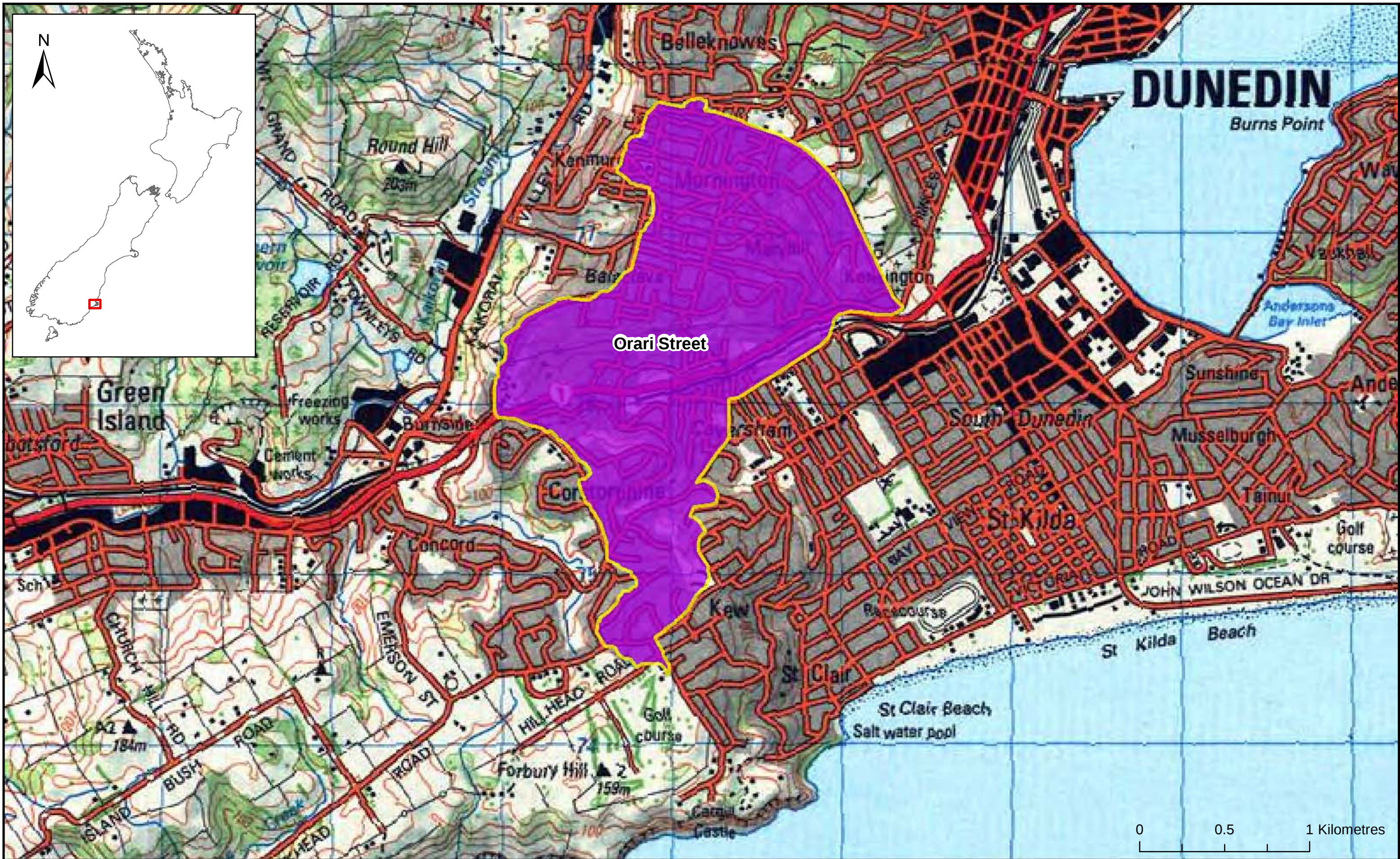
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DUNEDIN CITY COUNCIL

Kaitiaki e huri e



OPUS

Engineering & Construction



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Dunedin 3 Waters Strategy

ORARI STREET INTEGRATED CATCHMENT MANAGEMENT PLAN

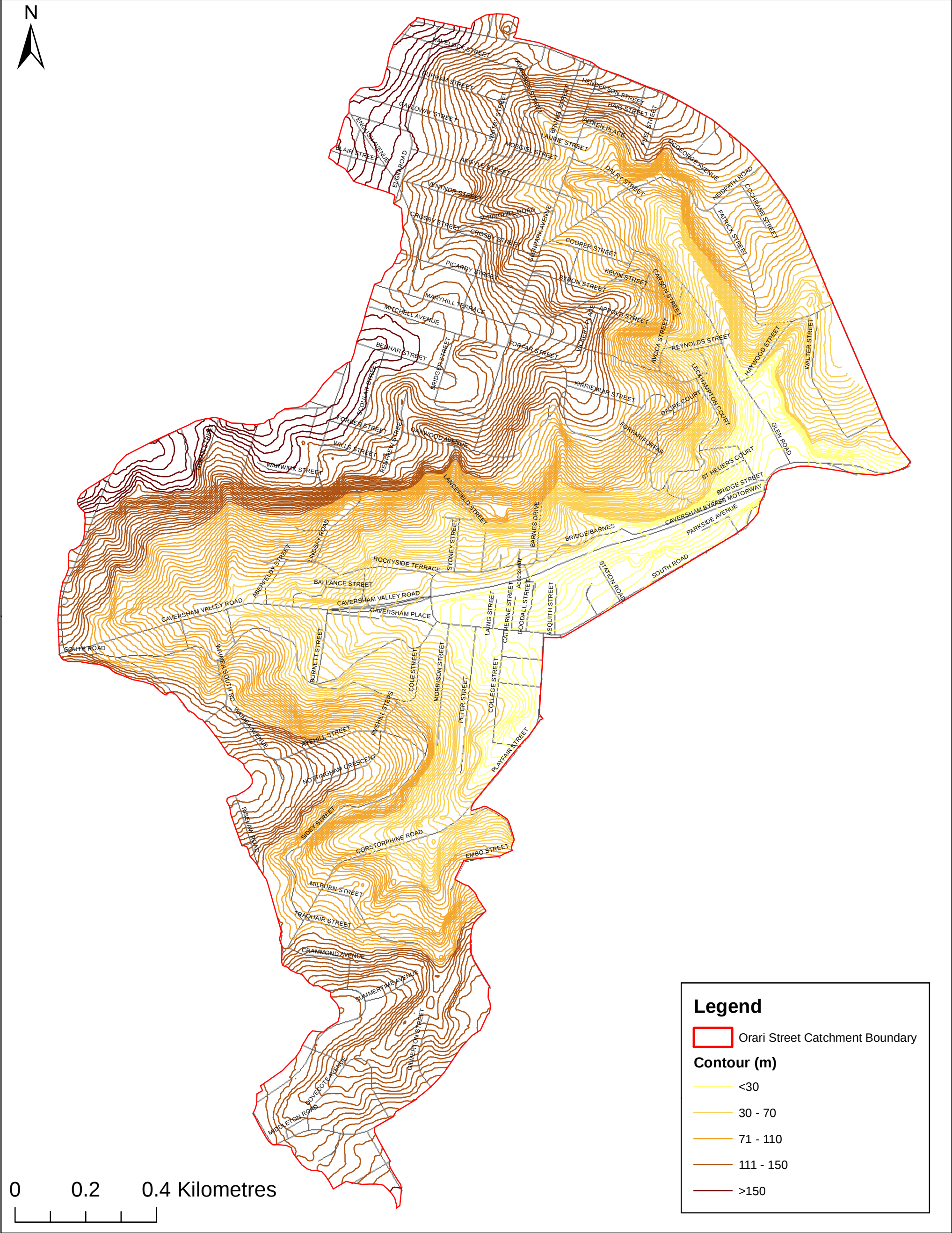
Figure 4-1

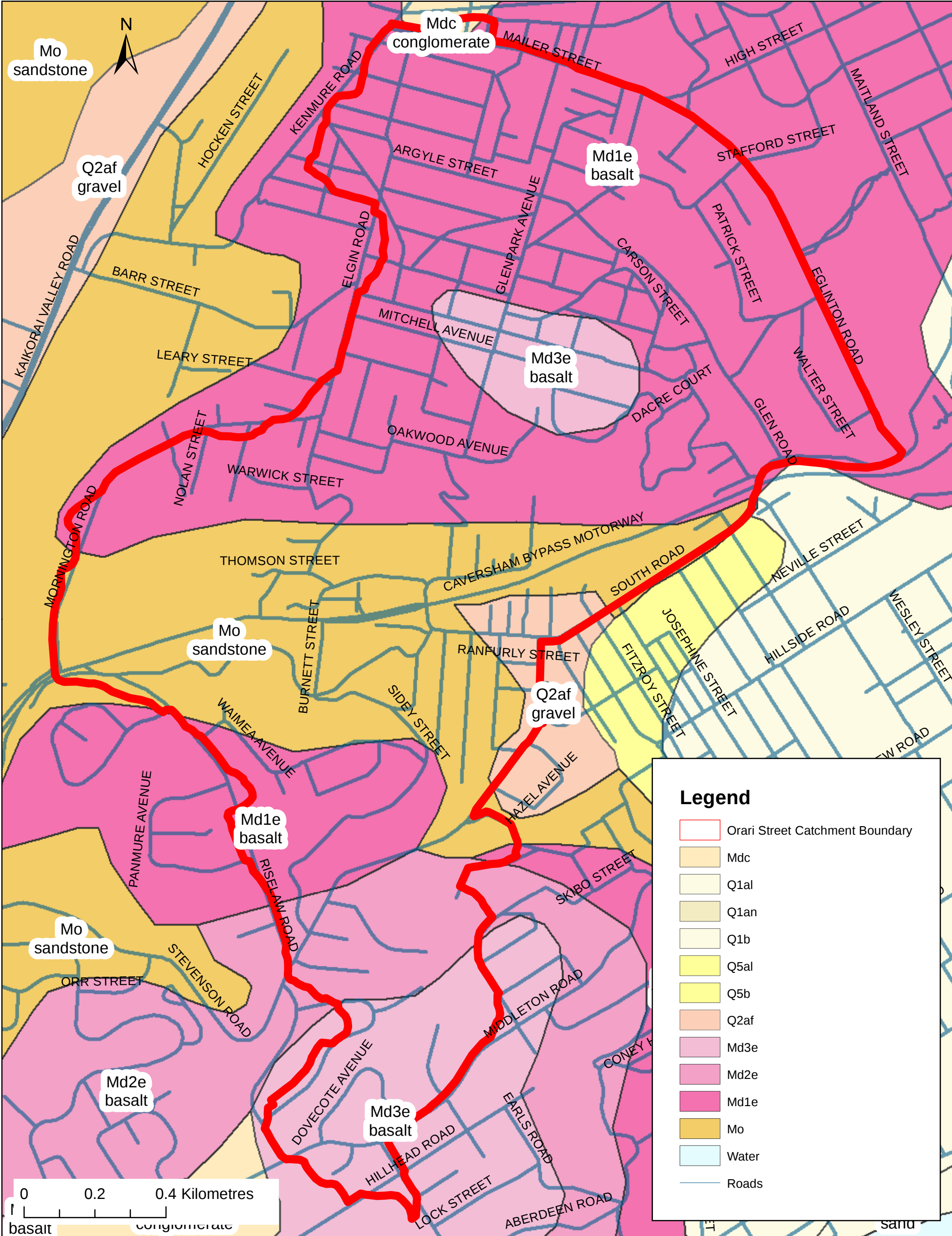
Orari Street Catchment Location

DISCIPLINE Stormwater	Drawn: KC	Status: Final		
	Checked: HES	Scale: 1:20,000	Plot Date: Sep 2011	
	Approved: SDH	Job. No: 42173227	Map No: Figure 4-1	Revision: B
	Date: Sep 2011			

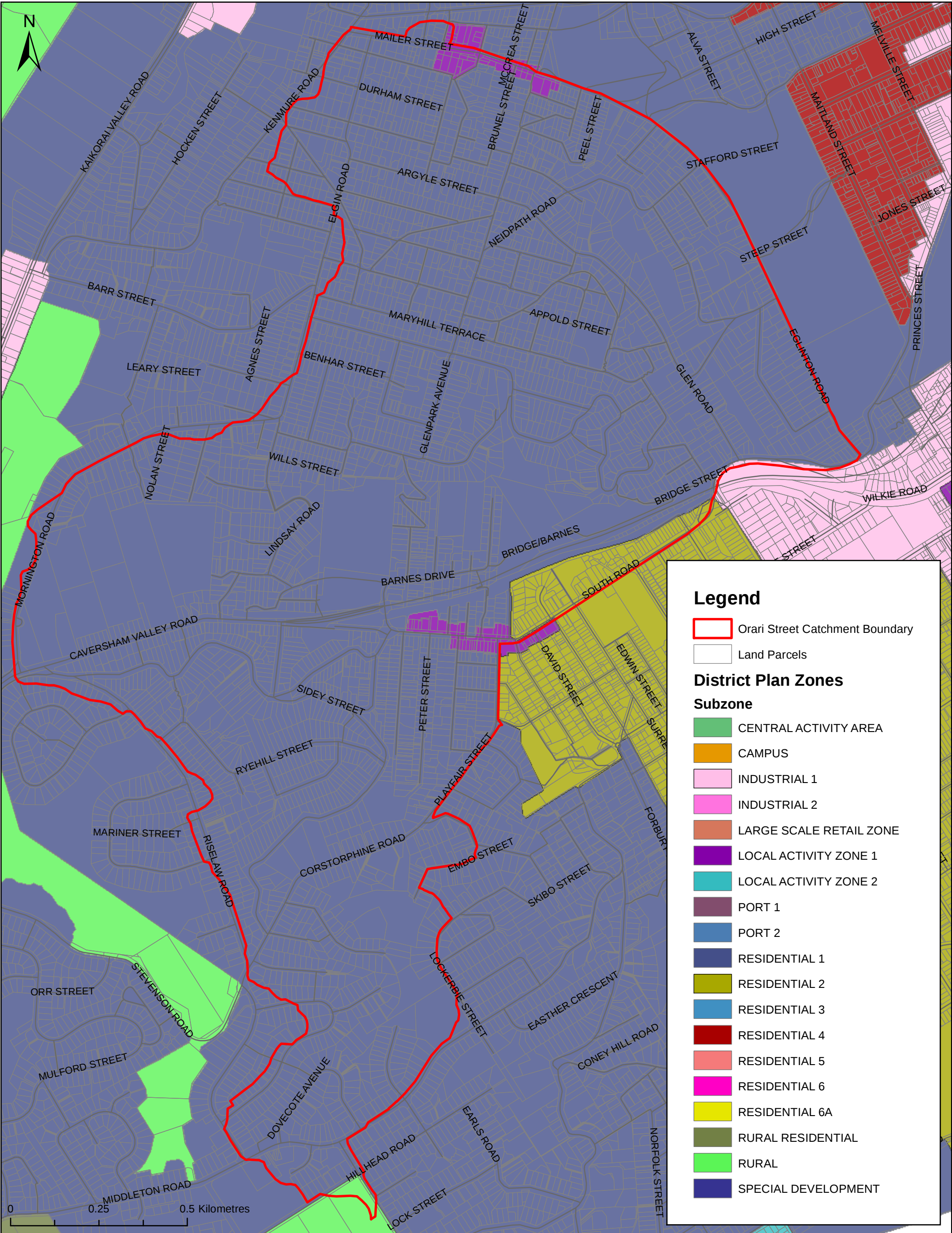
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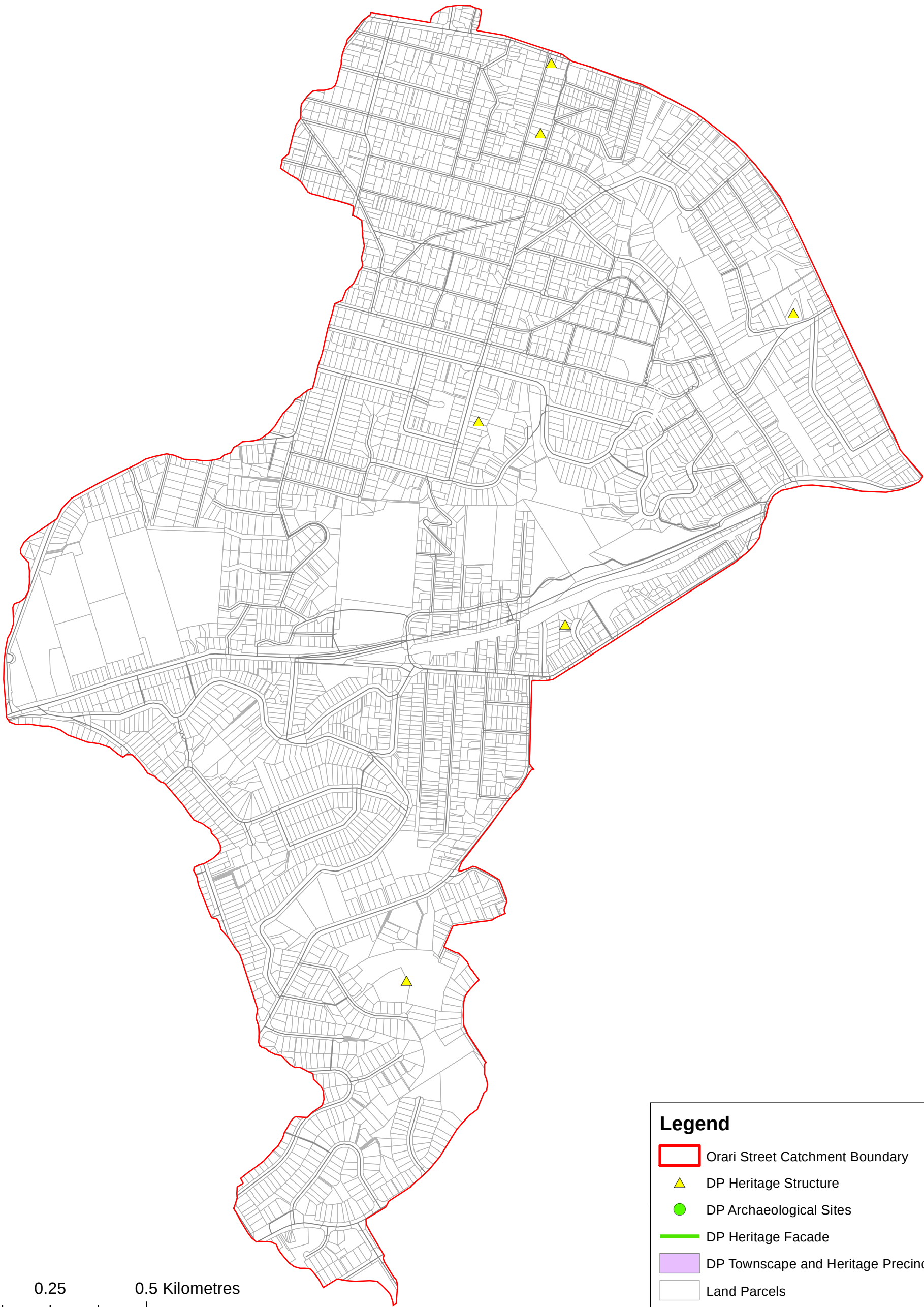




	Dunedin 3 Waters Strategy	ORARI STREET INTEGRATED CATCHMENT MANAGEMENT PLAN Figure 4-3 Orari Street Catchment Geology Map	DISCIPLINE Stormwater	Status: Final	
				Scale: 1:10,000	Plot Date: Sep 2011
				Drawn By: CO	Approved: HS
				Checked: JH	Date: Sep 2011
				Job No: 42173227	Map No: Figure 4-3 Revision: -



 Dunedin 3 Waters Strategy	ORARI STREET INTEGRATED CATCHMENT MANAGEMENT PLAN Figure 4-4 Orari Street Catchment Land Use Zones	DISCIPLINE Stormwater	Status: Final		
			Scale: 1:10,000	Plot Date: Sep 2011	
			Drawn By: CO	Approved: HS	
			Checked: JH	Date: Sep 2011	
			Job No: 42173227	Map No: Figure 4-4	Revision: -



0 0.25 0.5 Kilometres

Legend

- Orari Street Catchment Boundary
- ▲ DP Heritage Structure
- DP Archaeological Sites
- DP Heritage Facade
- DP Townscape and Heritage Precinct
- Land Parcels



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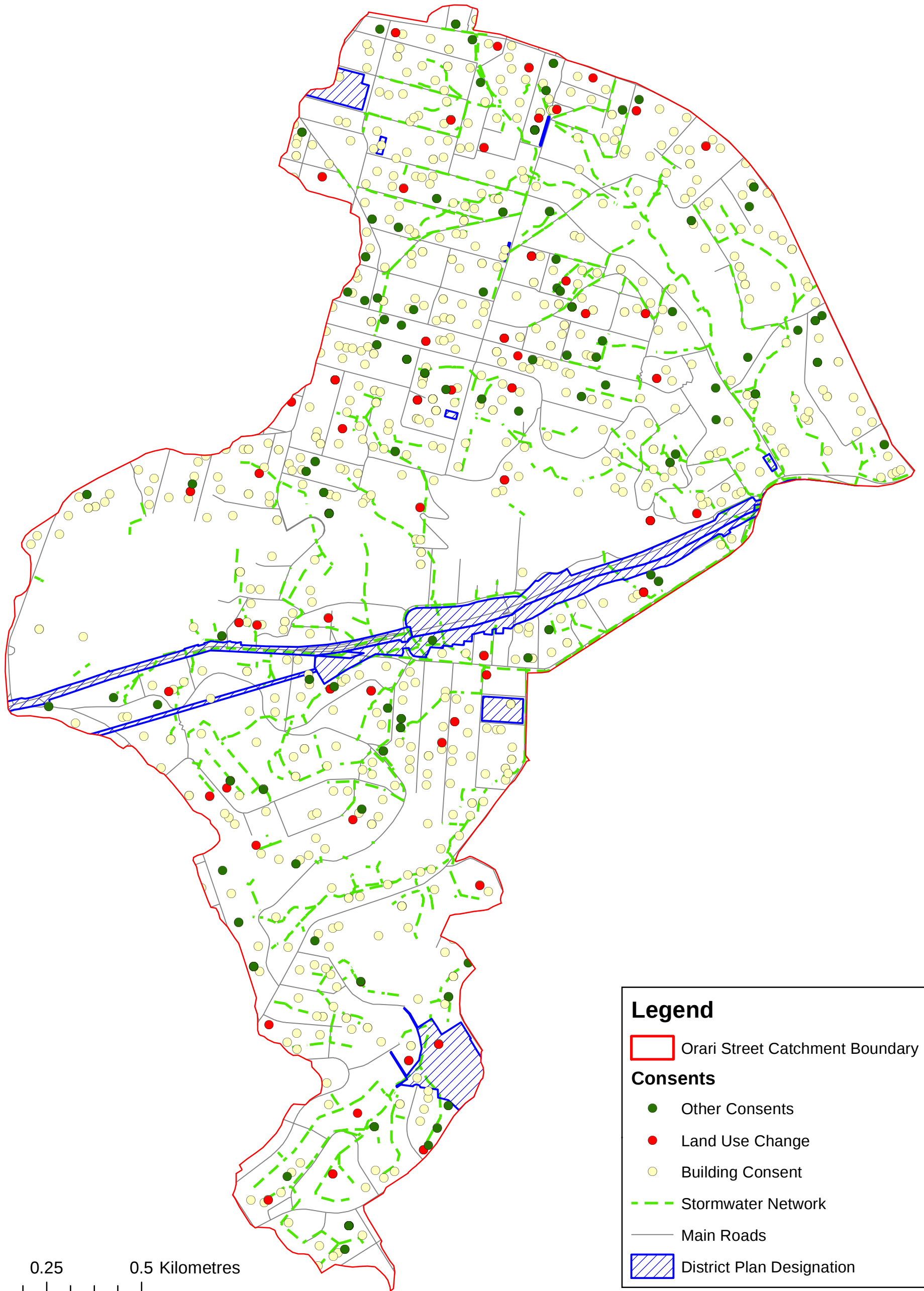
ORARI STREET INTEGRATED CATCHMENT MANAGEMENT PLAN

Figure 4-5

**Orari Street Catchment
Archaeological and Heritage Sites**

DISCIPLINE
Stormwater

Status:	Final	
Scale:	1:10,000	Plot Date: Sep 2011
Drawn By:	CO	Approved: HS
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Job No:	42173227	Map No: Figure 4-5
		Revision: -



Legend

Orari Street Catchment Boundary

Consents

Other Consents

Land Use Change

Building Consent

Stormwater Network

Main Roads

District Plan Designation



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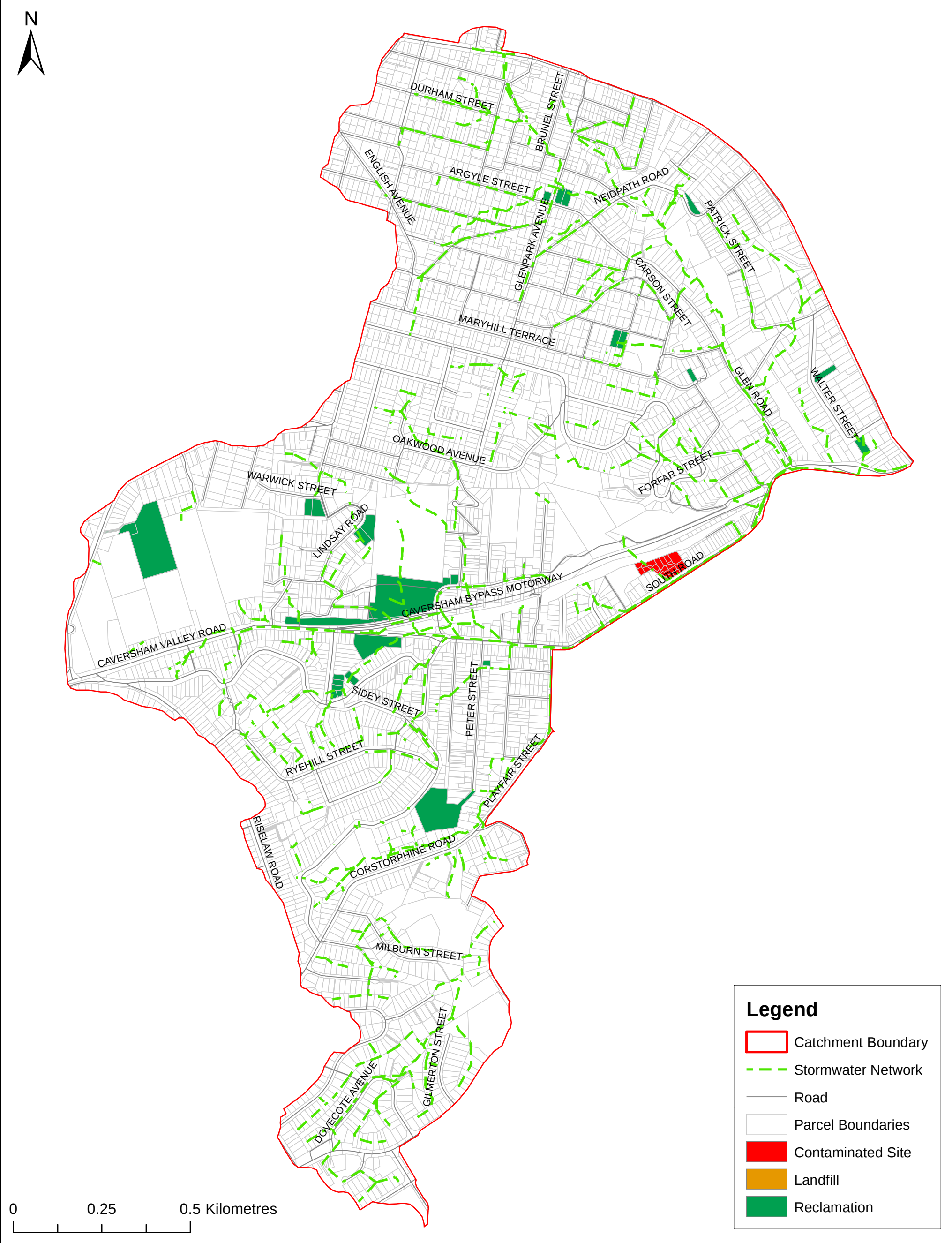
ORARI STREET INTEGRATED
CATCHMENT MANAGEMENT PLAN

Figure 4-6

Orari Street Catchment Recent
Consents and Designations

DISCIPLINE
Stormwater

Status:	Final	
Scale:	1:10,000	Plot Date: Sep 2011
Drawn By:	CO	Approved: HS
Checked:	JH	Date: Sep 2011
Job No:	42173227	Map No: Figure 4-6
		Revision: -



Legend

Catchment Boundary

Stormwater Network

Road

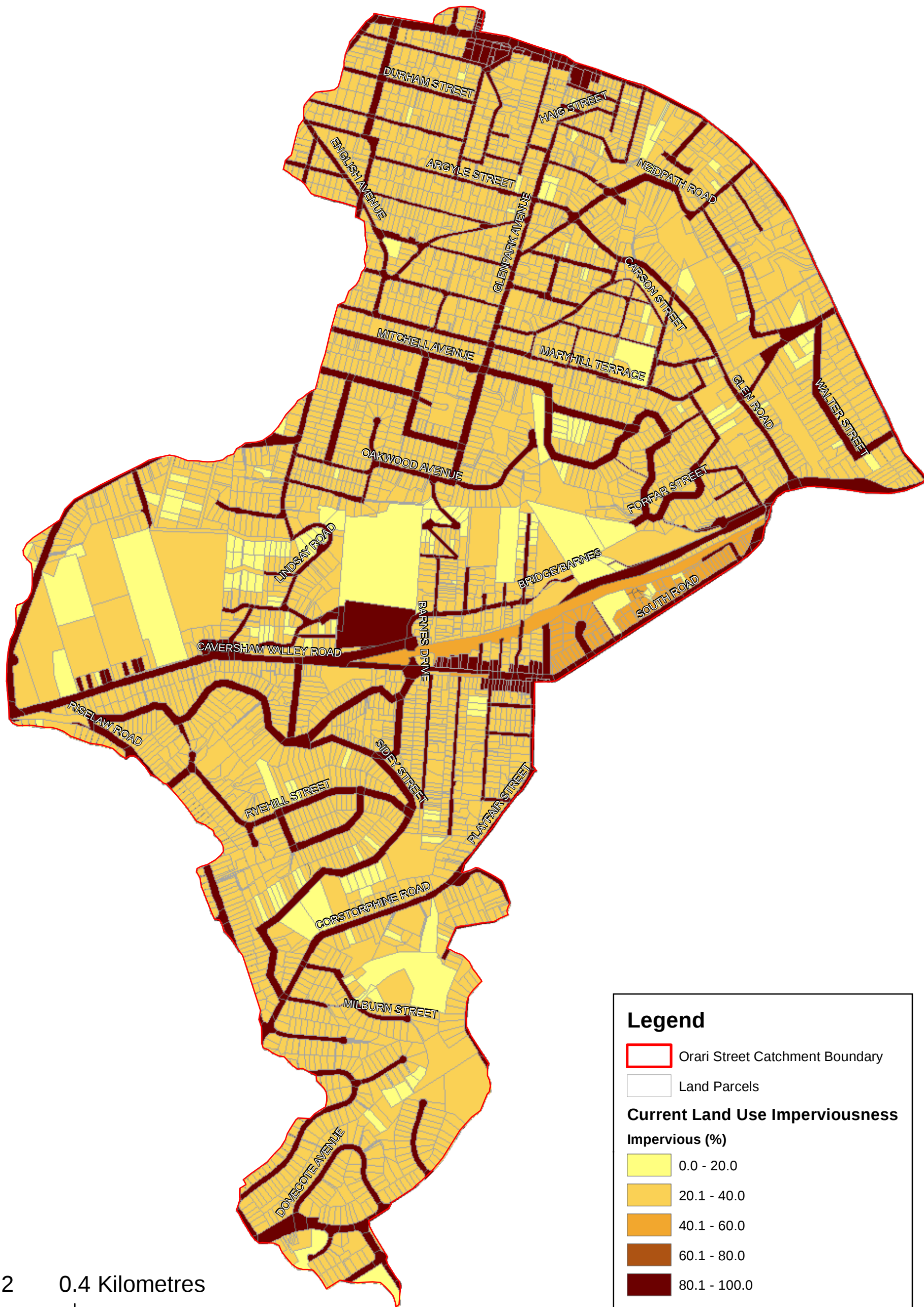
Parcel Boundaries

Contaminated Site

Landfill

Reclamation

	Dunedin 3 Waters Strategy	ORARI STREET INTEGRATED CATCHMENT MANAGEMENT PLAN Figure 4-7 Orari Street Catchment Contaminated Land Sites	DISCIPLINE Stormwater	Status: Final		
				Scale: 1:10,000	Plot Date: Sep 2011	
				Drawn By: CO	Approved: HS	
				Checked: JH	Date: Sep 2011	
				Job No: 42173227	Map No: Figure 4-7	Revision: -



0 0.2 0.4 Kilometres

Legend

 Orari Street Catchment Boundary

 Land Parcels

Current Land Use Imperviousness

Impervious (%)

 0.0 - 20.0

 20.1 - 40.0

 40.1 - 60.0

 60.1 - 80.0

 80.1 - 100.0



Dunedin 3
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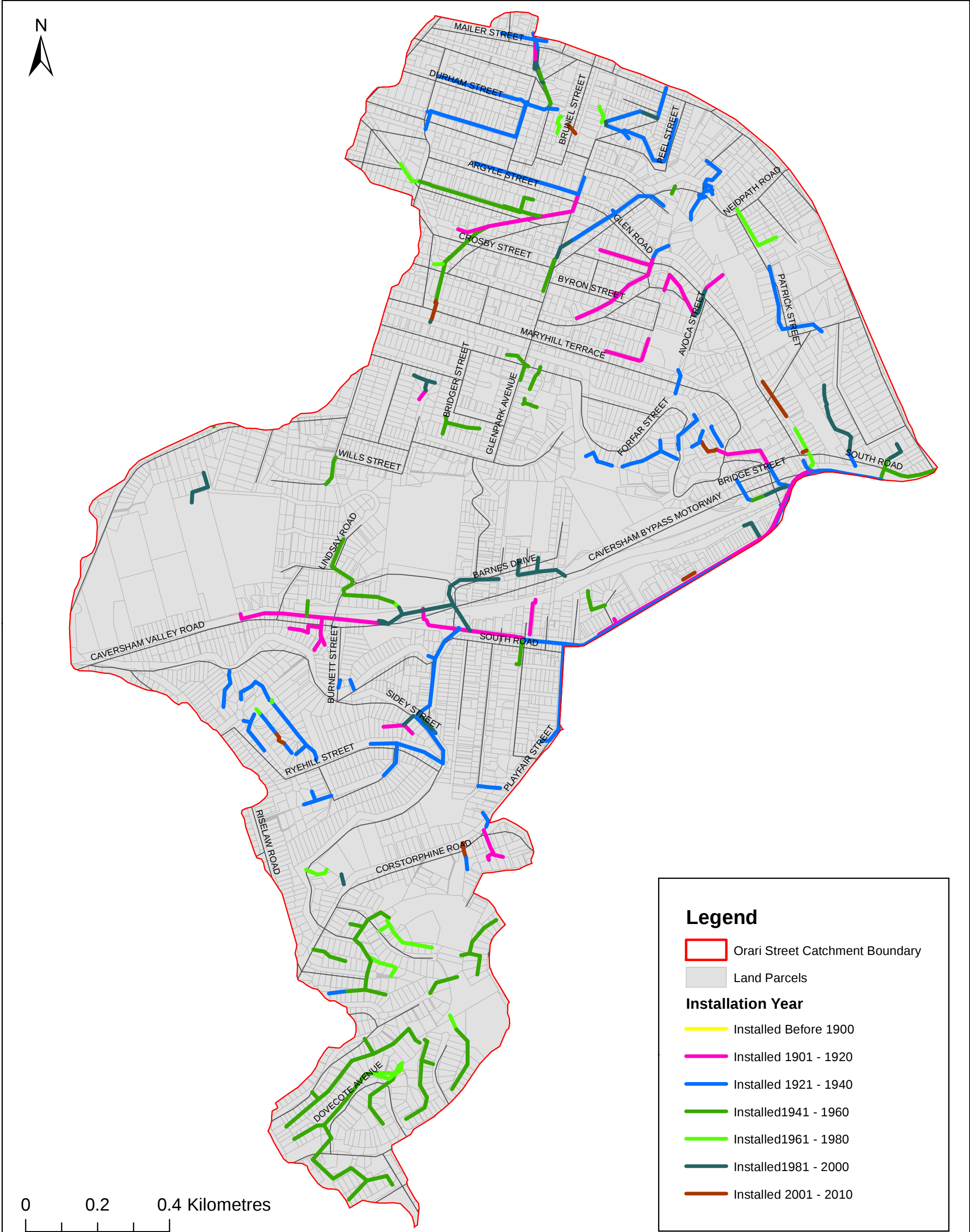
ORARI STREET INTEGRATED CATCHMENT MANAGEMENT PLAN

Figure 4-8

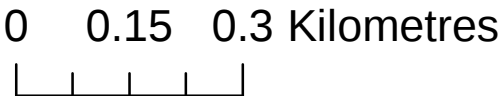
Orari Street Catchment
Current Imperviousness

DISCIPLINE
Stormwater

Status:	Final	
Scale:	1:10,000	Plot Date: Sep 2011
Drawn By:	CO	Approved: HS
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DUNEDIN CITY COUNCIL Excellence in Water & Wastewater URS URS New Zealand Limited 171 Teitoku Place Christchurch 8013 Phone: 03 379 8000 Fax: 03 379 8001 OPUS	Dunedin 3 Waters Strategy	ORARI STREET INTEGRATED CATCHMENT MANAGEMENT PLAN Figure 4-12 Orari Street Catchment Pipe Network Ages	DISCIPLINE Stormwater	Status: Final		
				Scale: 1:10,000	Plot Date: Sep 2011	
				Drawn By: CO	Approved: HS	
				Checked: JH	Date: Sep 2011	
				Job No: 42173227	Map No: Figure 4-12	Revision: -



Legend	
Stormwater Criticality	
Total Criticality Score	
	1
	2
	3
	Social Minor Location
	Social Major Location
	Economic Minor Location
	Environmental Major Location
	Cultural Location
	Economic Major Location
	Orari Street Catchment Boundary



Dunedin 3
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ORARI STREET INTEGRATED
CATCHMENT MANAGEMENT PLAN

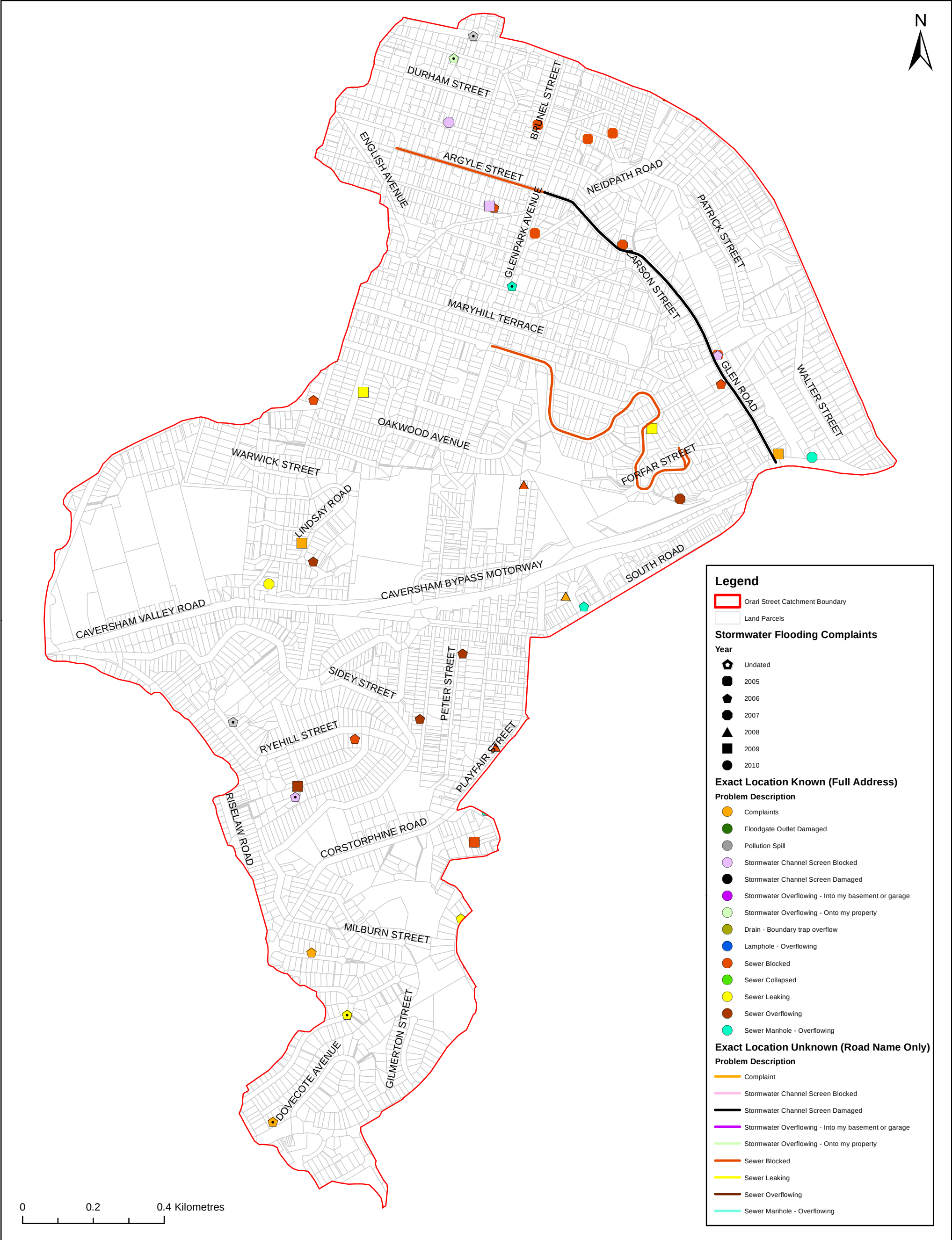
Figure 4-13

Orari Street Catchment
Stormwater Network Criticality

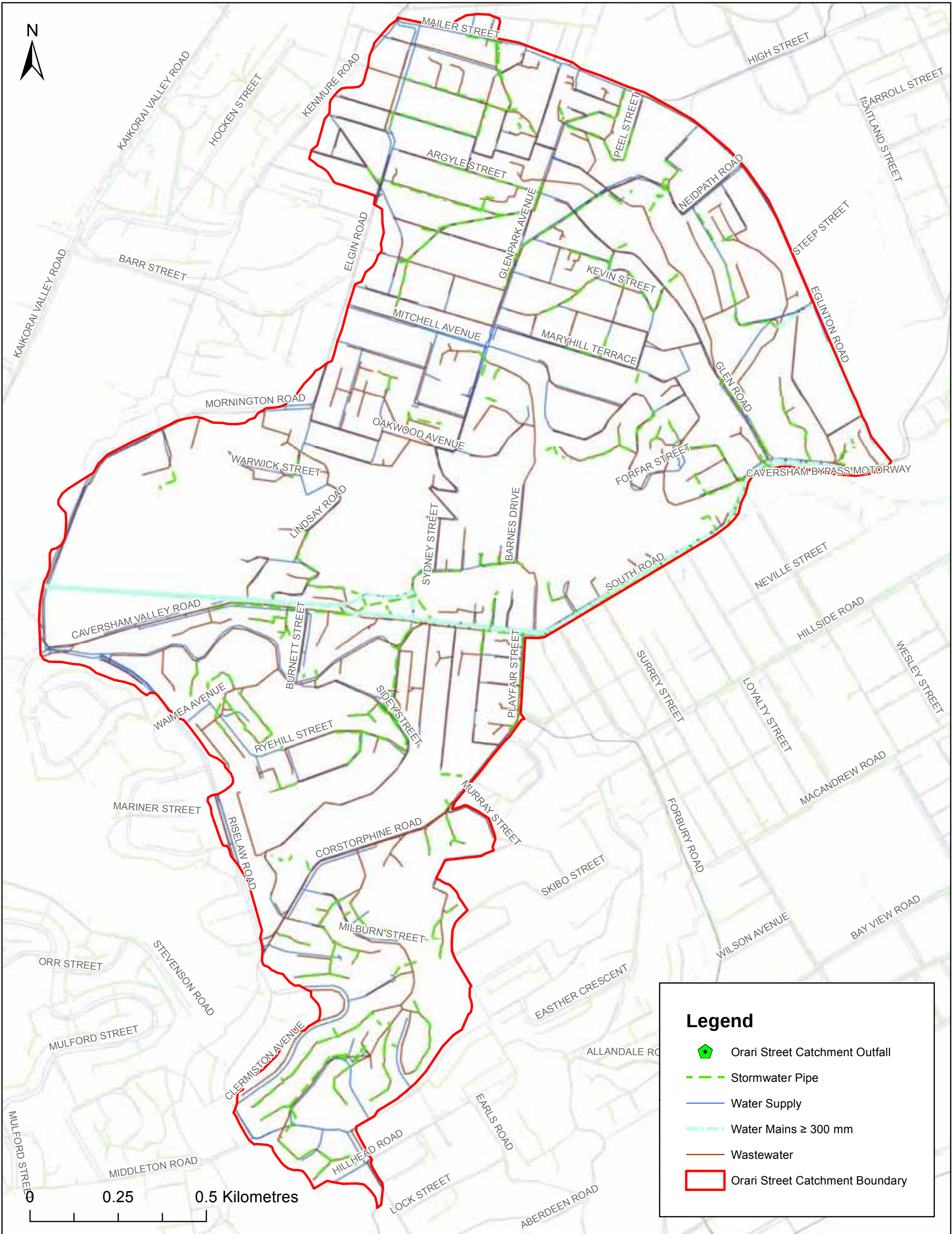
DISCIPLINE

Stormwater

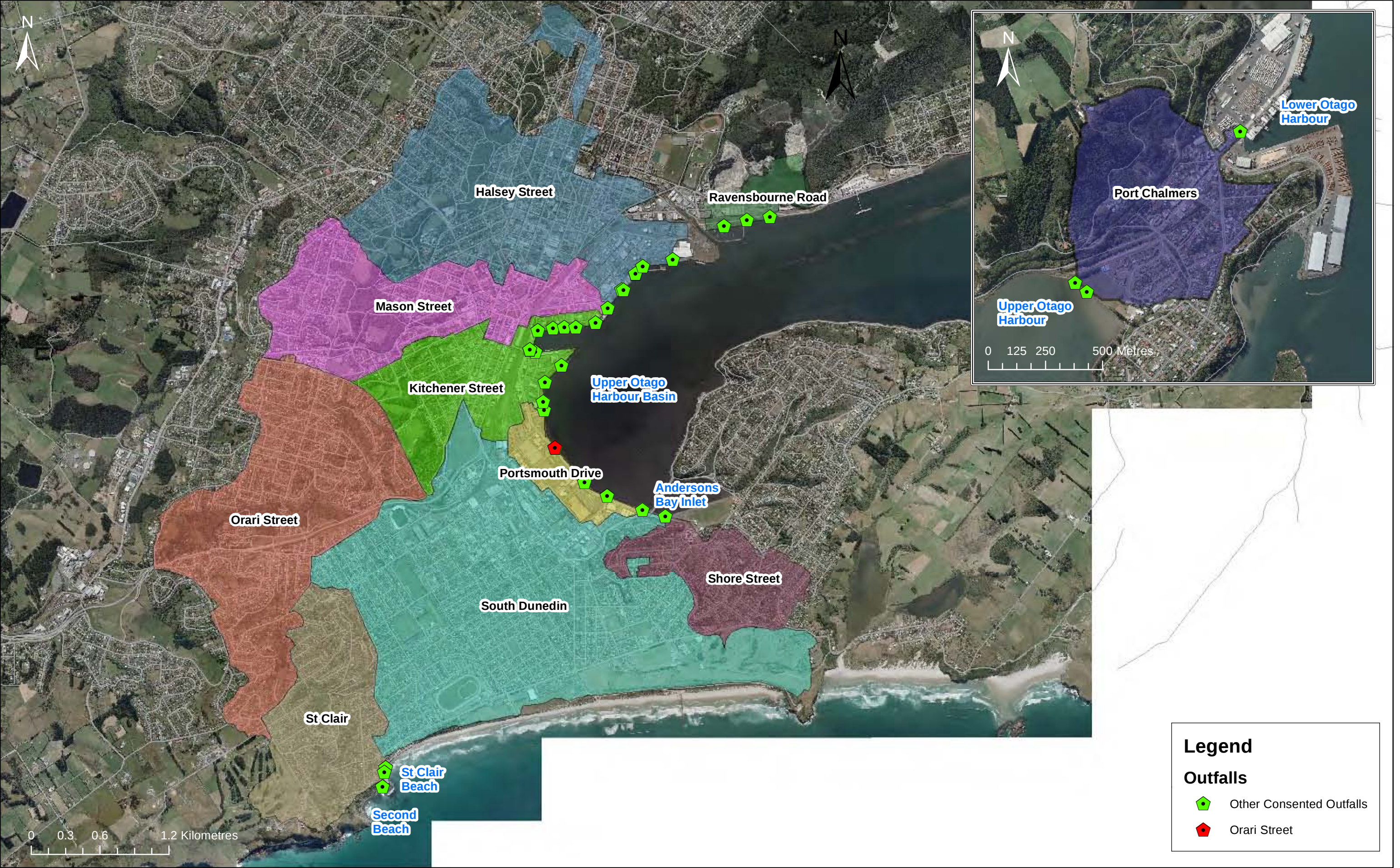
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Checked:	JH	Date: Sep 2011
Job No:	42173227	Map No: Figure 4-13
		Revision: -



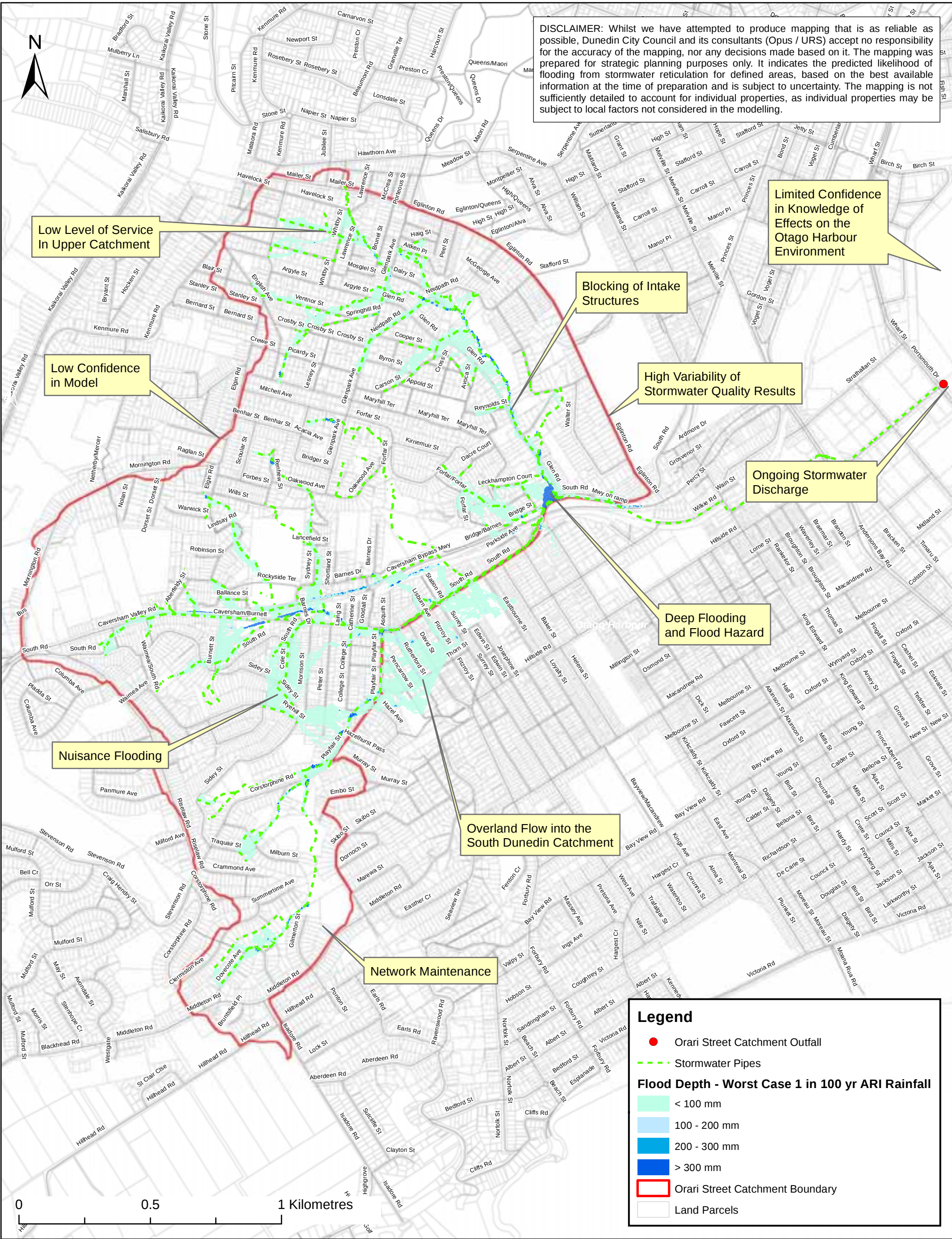
  	Dunedin 3 Waters Strategy	ORARI STREET INTEGRATED CATCHMENT MANAGEMENT PLAN Figure 4-15 Orari Street Catchment Reported Stormwater Flooding	DISCIPLINE Stormwater	Status: Final		
				Scale: 1:10,000	Plot Date: Sep 2011	
				Drawn By: CO	Approved: HS	
				Checked: JH	Date: Sep 2011	
				Job No: 42173227	Map No: Figure 4-15	Revision: -



 Dunedin 3 Waters Strategy	ORARI STREET INTEGRATED CATCHMENT MANAGEMENT PLAN Figure 4-17 Orari Street Catchment Three Waters Network	DISCIPLINE Stormwater	Status: Final		
			Scale: 1:10,000	Plot Date: Sep 2011	
			Drawn By: CO	Approved: HS	
			Checked: JH	Date: Sep 2011	
			Job No: 42173227	Map No: Figure 4-17	Revision: -



 OPUS URS	Dunedin 3 Waters Strategy	ORARI STREET INTEGRATED CATCHMENT MANAGEMENT PLAN Figure 5-2 Orari Street Catchment Marine Receiving Environment	DISCIPLINE Stormwater	Drawn: MM	Status: Final		
				Checked: HES	Scale: 1:30,000	Plot Date: Sep 2011	
				Approved: HES	Job. No: 42173227	Map No: Figure 5-2	Revision: -
				Date: Sep 2011			



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				Scale: 1:13,500	Plot Date: Sep 2011	
				Drawn By: CO	Approved: HS	
				Checked: JH	Date: Sep 2011	
				Job No: 42173227	Map No: Figure 9-1	Revision: -