Dunedin 3 Waters Strategy

Port Chalmers Integrated Catchment Management Plan

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Port Chalmers Catchment Geology Map

Legend

- Port Chalmers Catchment Boundary
- Roads
- Md0e
- Q1al
- Q1an
- Q1b
- Q5al
- Q5b
- Q2af
- Md3e
- Md2e
- Md1e
- Mo
- Md0e
- Md1p
- Water

Figure 4-3

Port Chalmers Catchment Geology Map

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PORT CHALMERS INTEGRATED CATCHMENT MANAGEMENT PLAN

Figure 4-8
Port Chalmers Catchment Current Imperviousness

Legend
- Port Chalmers 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

DISCIPLINE
Stormwater

Dunedin 3 Waters Strategy
PORT CHALMERS INTEGRATED CATCHMENT MANAGEMENT PLAN

Figure 4-10

Port Chalmers Catchment Stormwater Drainage Network

Legend
- Port Chalmers Catchment Boundary
- Storm Water
- Storm Water Trunk Sewer
- Unknown Node
- Standard Manhole
- BTAN
- Drop Manhole
- Inspection Grating
- Stormwater Inlet
- Inspection Manhole
- Inspection Opening
- Lamphole
- Mudtank
- Stormwater Outlet
- Pressure Manhole
- Sump
- Unspecified SW Node
- Wingwall
- 308

DISCIPLINE
Stormwater

Dunedin 3 Waters Strategy

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Legend
- Port Chalmers Catchment Boundary
- Land Parcels
- Roads

Installation Year
- Installed Before 1900
- Installed 1901 - 1920
- Installed 1921 - 1940
- Installed 1941 - 1960
- Installed 1961 - 1980
- Installed 1981 - 2000
- Installed 2001 - 2010
- Roads

PORT CHALMERS INTEGRATED CATCHMENT MANAGEMENT PLAN
Dunedin 3 Waters Strategy
Figure 4-11
Port Chalmers Catchment Pipe Network Ages

DISCIPLINE
Stormwater

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Figure 4-12
Port Chalmers Catchment Stormwater Network Criticality

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
Port Chalmers Catchment Boundary

N

0 0.05 0.1 0.2 Kilometres
Port Chalmers Catchment Reported Stormwater Flooding

- Stormwater Flooding Complaints
  - Year
    - 2005
    - 2006
    - 2007
    - 2008
    - 2009
    - 2010

- Exact Location Known (Full Address)
  - Problem Description
    - Complaint
    - Stormwater Channel Screen Blocked
    - Stormwater Overflowing - Into my basement or garage
    - Stormwater Overflowing - Onto my property
    - Stormwater Channel Screen Damaged
    - Stormwater Overflowing - Into my basement or garage
    - Stormwater Overflowing - Onto my property
    - Stormwater Overflowing
    - Stormwater Channel Screen Blocked
    - Stormwater Overflowing - Into my basement or garage
    - Stormwater Overflowing - Onto my property
    - Stormwater Channel Screen Damaged
    - Stormwater Overflowing

- Exact Location Unknown (Road Name Only)
  - Problem Description
    - Stormwater Channel Screen Blocked
    - Stormwater Channel Screen Damaged
    - Stormwater Overflowing - Into my basement or garage
    - Stormwater Overflowing - Onto my property
    - Sewer Blocked
    - Sewer Leaking
    - Sewer Overflowing
    - Sewer Manhole - Overflowing
PORT CHALMERS INTEGRATED CATCHMENT MANAGEMENT PLAN

Dunedin 3 Waters Strategy

Figure 4-15
Port Chalmers Catchment Three Waters Networks

Legend
- Port Chalmers Catchment Stormwater Outfalls
- Stormwater Pipe
- Water Supply
- Water Mains: 300 plus
- Wastewater
- Port Chalmers Catchment Boundary

0 0.125 0.25 Kilometres

DISCIPLINE
Stormwater

PORT CHALMERS INTEGRATED CATCHMENT MANAGEMENT PLAN

Figure 4-15
Port Chalmers Catchment Three Waters Networks

Legend
- Port Chalmers Catchment Stormwater Outfalls
- Stormwater Pipe
- Water Supply
- Water Mains: 300 plus
- Wastewater
- Port Chalmers Catchment Boundary

0 0.125 0.25 Kilometres
Legend

- Port Chalmers Catchment Boundary
- Modelled Manhole
- Pruned Manhole (not modelled)
- Drain Manhole (not modelled)
- Catchpit (not modelled)
- Modelled Pipe
- Pruned Pipe (not modelled)
- Drain Pipe (not modelled)
- Catchpit Pipe (not modelled)
- Roads

PORT CHALMERS INTEGRATED CATCHMENT MANAGEMENT PLAN

Figure 7-1
Model Extent

Discipline: Stormwater
LIMITED CONFIDENCE IN KNOWLEDGE
OF EFFECTS ON THE OTAGO HARBOR ENVIRONMENT

DISCLAIMER: Whilst we have attempted to produce mapping that is as reliable as possible, Dunedin City Council and its consultants (Opus / URS) accept no responsibility for the accuracy of the mapping, nor any decisions made based on it. The mapping was prepared for strategic planning purposes only. It indicates the predicted likelihood of flooding from stormwater reticulation for defined areas, based on the best available information at the time of preparation and is subject to uncertainty. The mapping is not sufficiently detailed to account for individual properties, as individual properties may be subject to local factors not considered in the modelling.