

Lessons learned from one of New Zealand's most challenging civil engineering projects: rebuilding the earthquake damaged pipes, roads, bridges and retaining walls in the city of Christchurch 2011 - 2016.

May 2014 St Martins School visit – presentation

Story: School Visits

Theme: Communications and Community

A presentation given to St Martin's primary school students about SCIRT work in Opawa and Hillsborough.

This document has been provided as an example of a tool that might be useful for other organisations undertaking complex disaster recovery or infrastructure rebuild programmes.

For more information about this document, visit www.scirtlearninglegacy.org.nz



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Opawa/Hillsborough package

Repairing or replacing the:

- Wastewater pipes
- Storm water pipes
- Fresh water pipes
- Roads

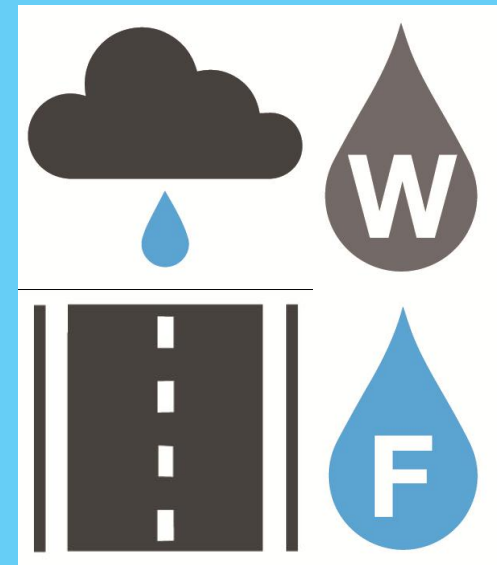
Wayne Harray – Project Engineer

Stella Castelow – Communications Advisor

Sam Hamblin – Communications Assistant

Alwin Sky – Environmental Officer

Carson Pullyblank – Health and Safety and Traffic Management



St. Martins School assembly – 16th May 2014

Who are we?

City Care, Downer, Fletcher Construction, Fulton Hogan, and McConnell Dowell are the five delivery teams who are part of SCIRT.

Stronger
Christchurch
Infrastructure
Rebuild
Team



Wastewater



Storm water



Fresh water



Roads

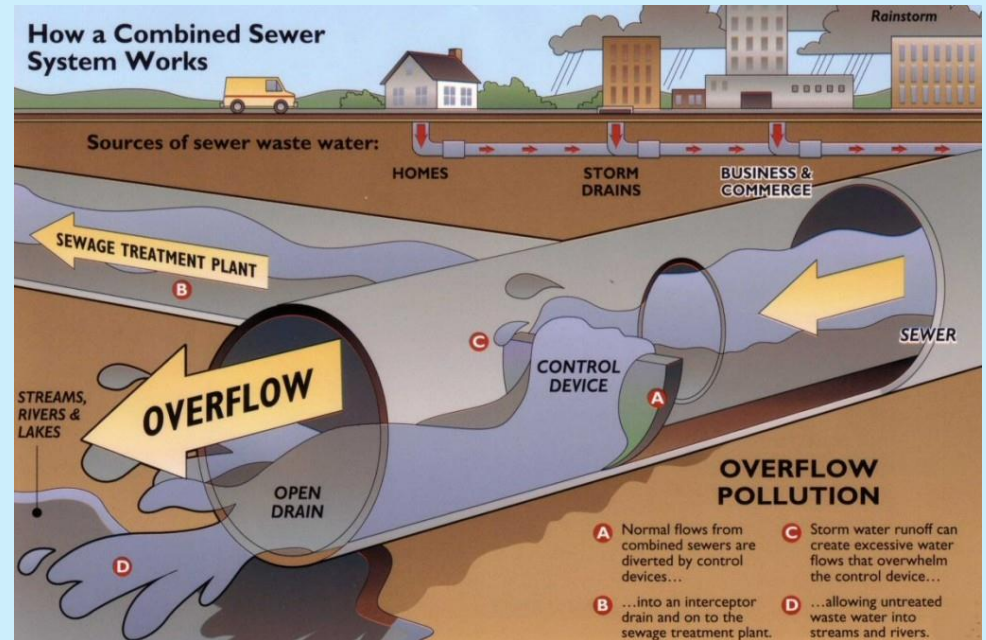






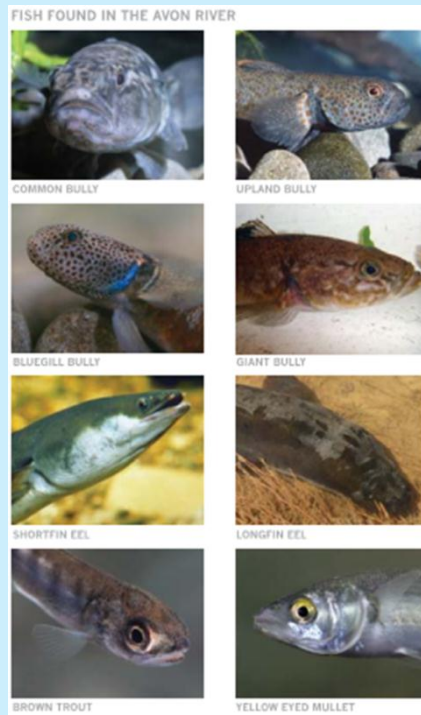
Environmental

Storm water and the storm water network





Environmental Clean v's Dirty



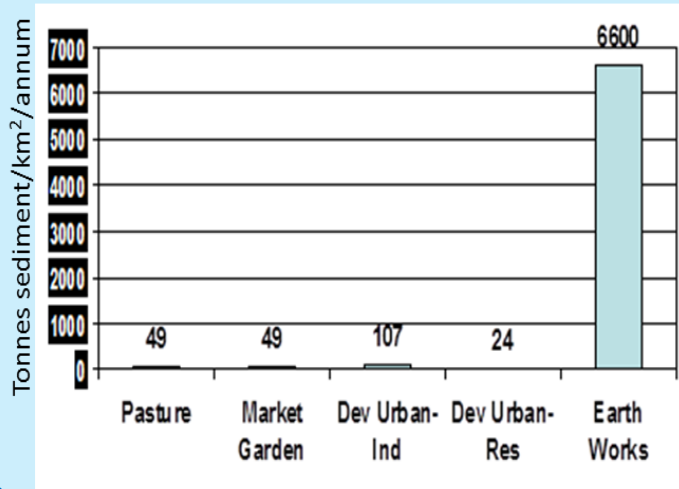


Environmental

Did you know...

Sediment is the biggest contaminant contributor of our waterways.

How much sediment?





Environmental

Dewatering of Trenches

Dewatering involves pumping ground water from area immediately around the work site to carefully lower the water table. Dewatering allows work to take place on dry ground.





Environmental

Affective controls will remove sediment.





Environmental

Where does Sediment come from?

Sediment Controls

Sediment Tank + Filter Bag



Storm water Sump





Environmental Water Testing



Must run crystal clear water

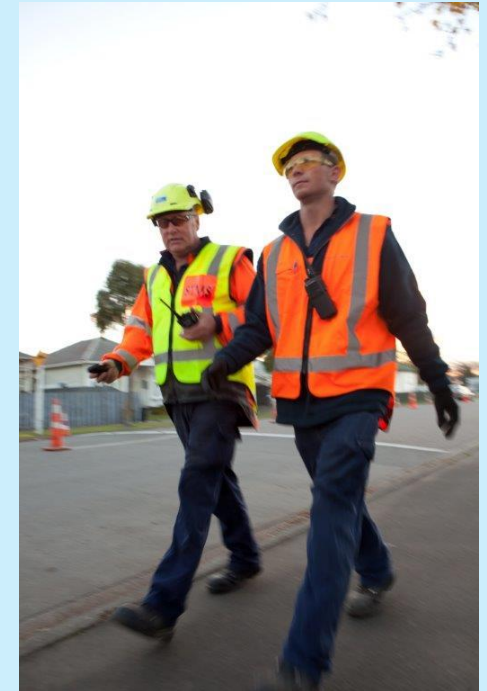


Traffic Management

Did you know?

City Care has 12,000 + cones.

Who has driven through a Work Site
And seen these two vests?



More than putting cones on the road.

- Project Managers Request
- Scope Job
- Design TMP
- As per Code of Practise
- Work with CCC for Approval
- Brief Operations
- Setup Site
- Brief Workers (Tool Box)
- Work can proceed
- Ongoing TM Review

**PLEASE SLOW DOWN
THROUGH WORK SITES**





Health and Safety

Did you know?

100 people.

Who has someone they know that is helping with the rebuild?

Everyone needs to get home safely



Do you have any questions?



(Photos showing the SCIRT City Care team presenting to the school)



(l-r) Sam Hamblin (Communication Assistant), Alwin Sky (Environmental Officer), Carson Pullyblank (Health & Safety Officer), Wayne Harray (Project Engineer)