

Milford Road risk management

Using ArcGIS Online, Collector and Survey123

- Context
- The challenge
- Approach
- The apps
- Next steps



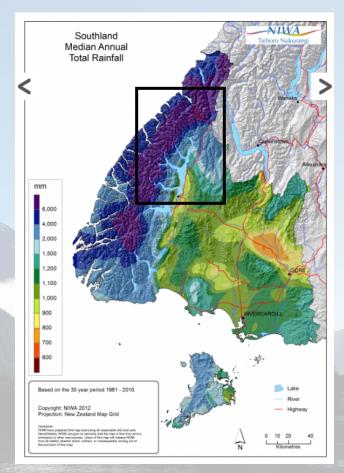




Rainfall







Milford Road







History



Men at work on the Homer Tunnel, Southland. Raine, William Hall, 1892-1955: Negatives of New Zealand towns and scenery, and Fiji. Ref: 1/2-024836-F. Alexander Turnbull Library, Wellington, New Zealand. http://beta.natlib.govt.nz/records/22346543

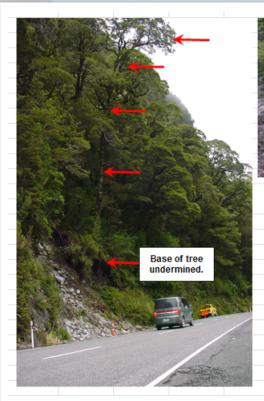








Trees



Base of tree undermined



Tree likely to topple onto the highway, expected to block both lanes.



Milford Road







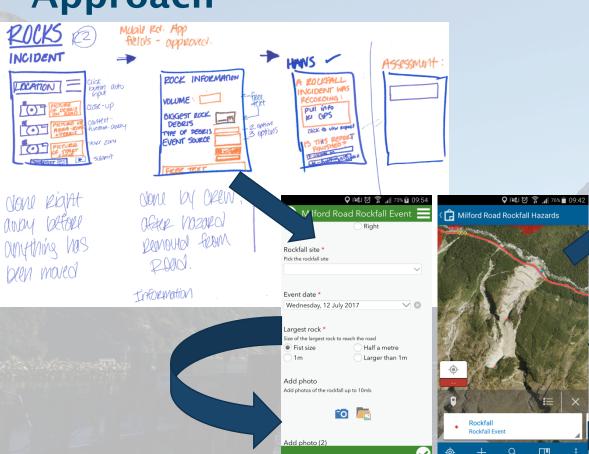
Other information sources







Approach





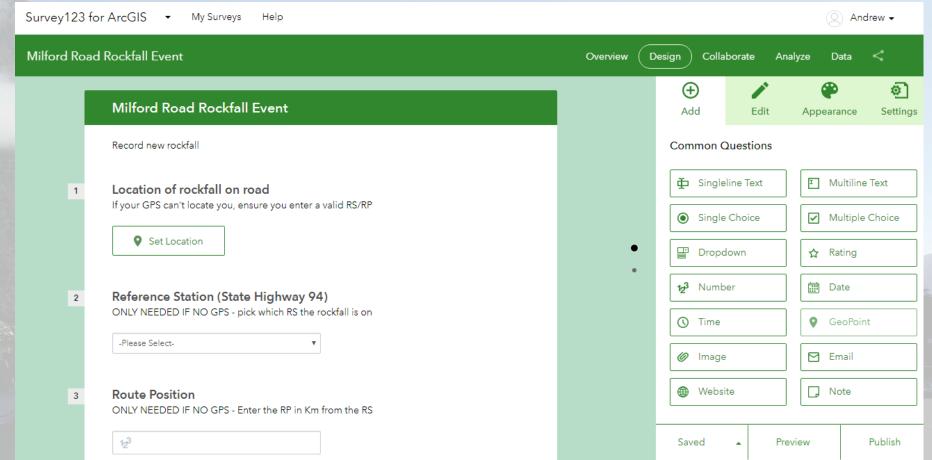
Milford Road

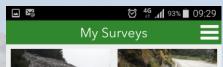






The apps - Survey 123







Milford Road Rockfal...



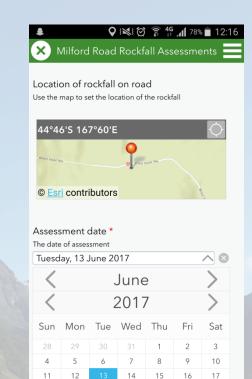
Rockfall Event

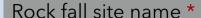


Milford Road Tree Assessments

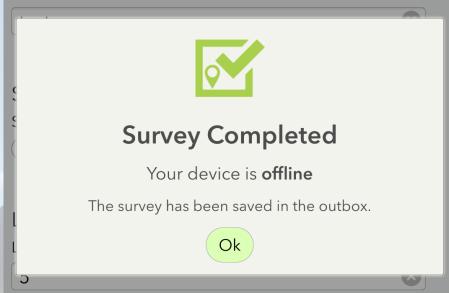


Milford Road Treefall





Name of the site



Slope height *

Height of the slope



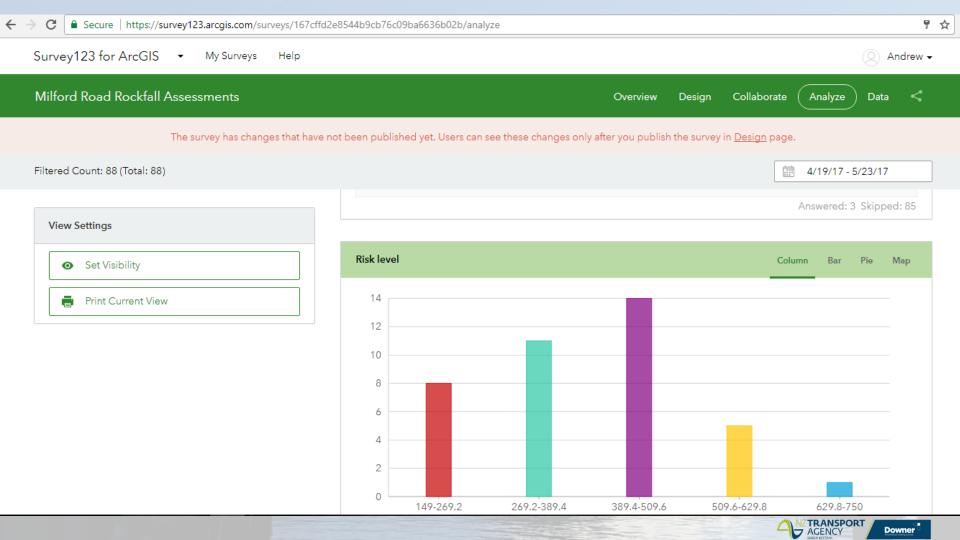
(•) 7.6m



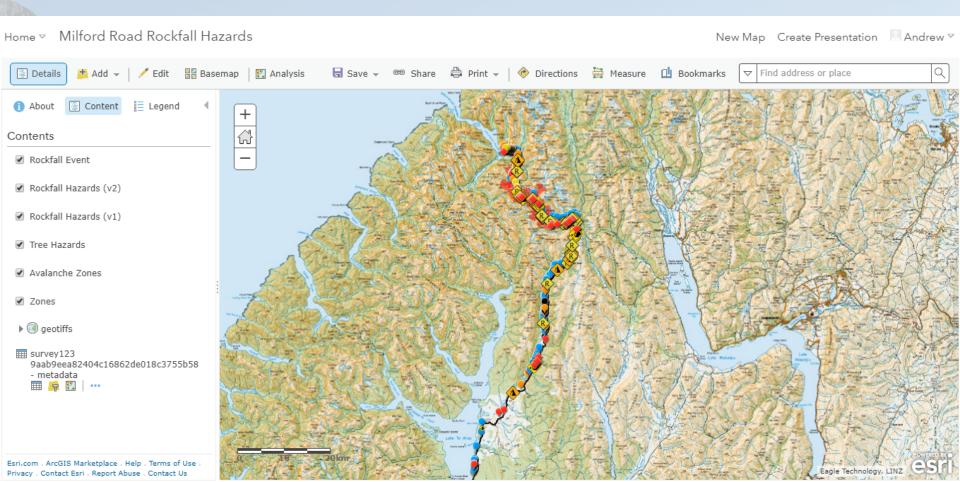
22.9m

30.5m



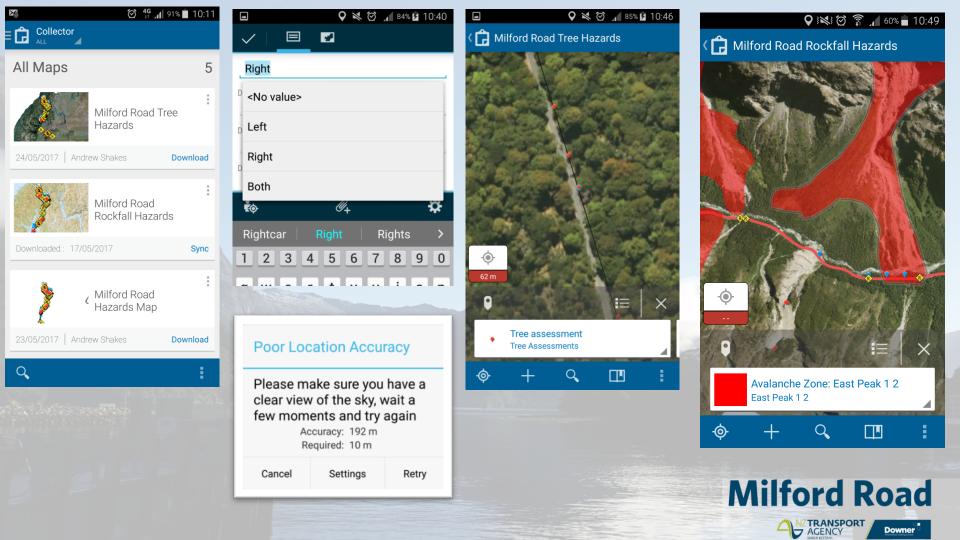


Collector for ArcGIS



	Web Map Settings	
	Save As ✓ Allow others to save a copy of this item.	Feature Layer (hosted) Settings
	Offline Mode Enable offline mode. Application Settings Select the tools and capabilities to enable in applications that access this web r Routing Measure Tool Basemap Selector Find Locations [-] Hint text Place or Address	Editing Enable editing. Keep track of created and updated features. Keep track of who created and last updated features.
		 Enable Sync (disconnected editing with synchronization). Who can edit features? Share the layer to specific groups of people, the organization or publicly via to This layer is currently shared with: Milford Road app test users What kind of editing is allowed? Add, update, and delete features Only update feature attributes Only add new features
		What features can editors see? Editors can see all features Editors can only see their own features (requires tracking)

General Settings Web Map Settings





ArcGIS Online





Milford Road Hazards











Legend

Rockfall Event

Survey Point

Rockfall Assessments

Retaining wall

Landslide

Rockfall

Ground hazards

Tree Assessments

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3

2

• 1

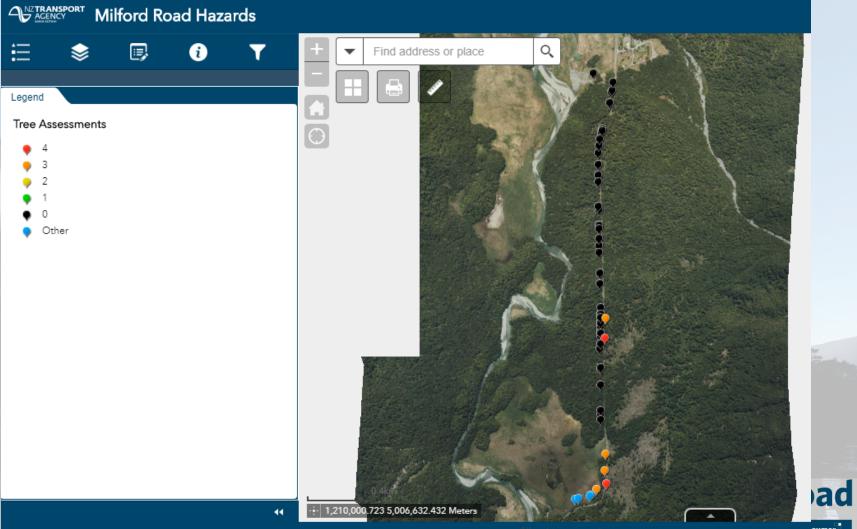
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Other

Treefall

Survey Point







Next steps



Questions

- Air New Zealand and Jetstar operate flights to Queenstown
- Bus tours to Milford Sound...



