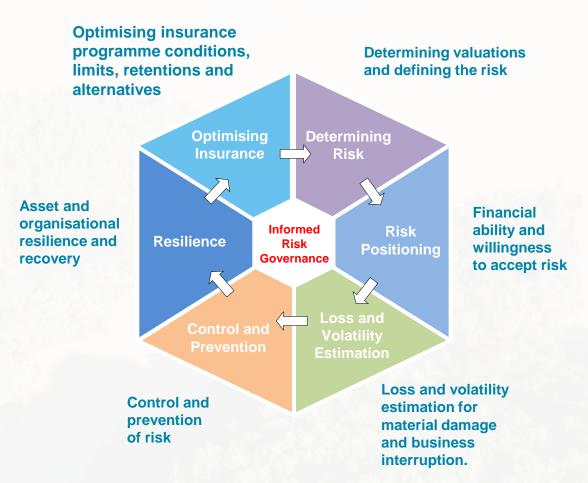
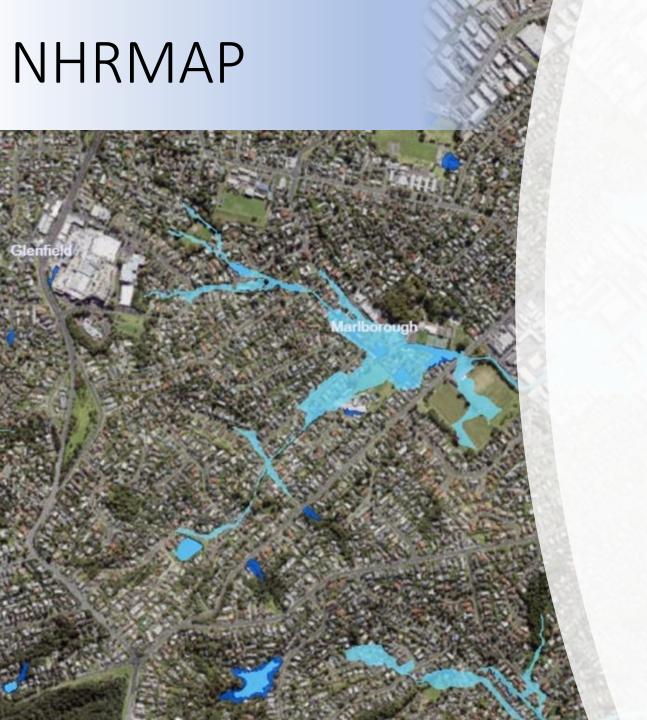


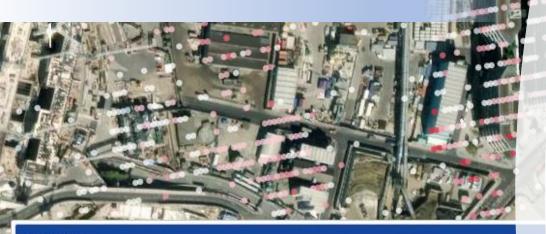
- Insurance driven
- Model asset losses from natural events
- Initial focus on earthquake and flood





- Internal co-ordination tool for Auckland Council activities
- Covers:
 - Governance and leadership
 - Strategy, policy and planning
 - Regulations and consents
 - Asset management
 - Knowledge and research
 - Communication, education and community resilience-building
 - Partnerships
- Living document

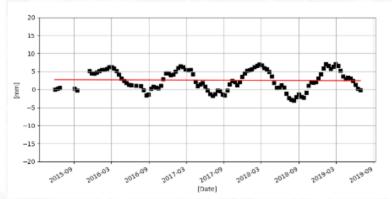
InSAR

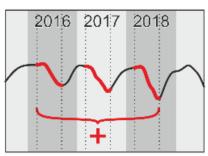


Timeline

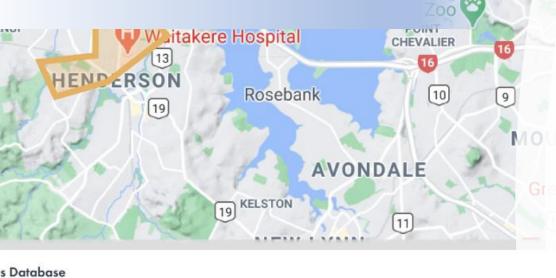


- Data and analytics
 - High-resolution (TerraSAR-X, 2-3mm precision)
 - Deformation of assets
 - Identify seasonal patterns
- Intent to share





Landslide database



- National
- Multi-organisational
- Based on NZ Geotechnical Database model

landslide ID, name, description, etc.

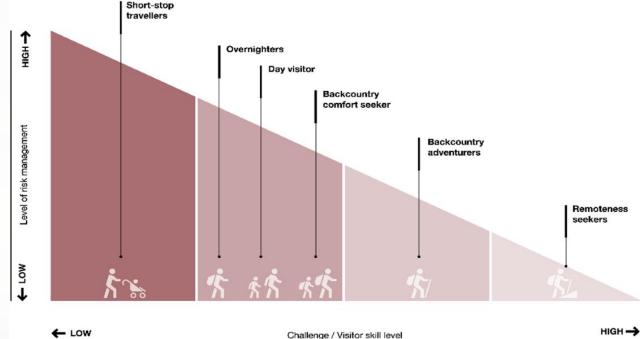
View / Edit

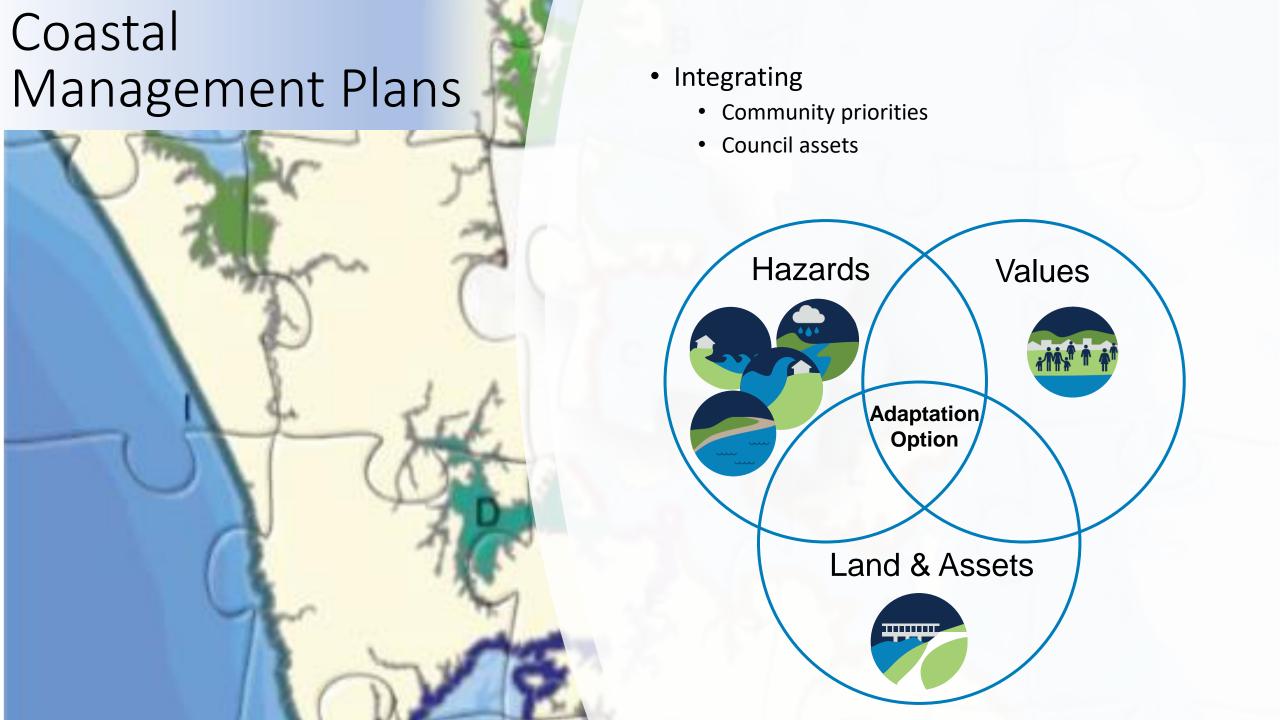
Create

dslide ID	Parent Landslide	Landslide name	Location Description	Location Method Device	Location Accuracy	Date Occurrence	
5334	Value	name	Steep landslide	GPS	Very	13/05/2019	
5334	Value	name	Steep landslide	GPS	Very	13/05/2019	
5334	Value	name	Steep landslide	GPS	Very	13/05/2019	
5334	Value	name	Steep landslide	GPS	Very	13/05/2019	



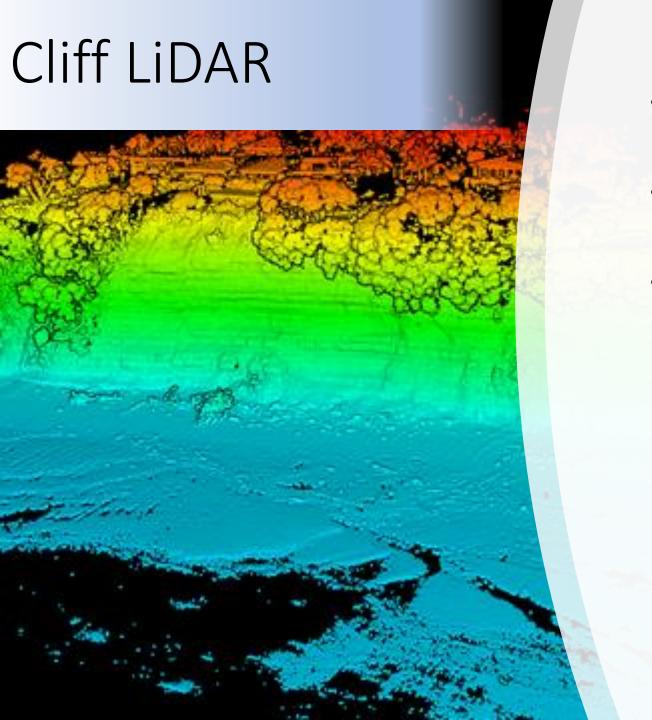
- No defined or regulated level of tolerable or acceptable risk in New Zealand
- Under / over management of risks
- Following GNS & DoC







- New regional maps of coastal erosion and instability
- The lines show the areas that may be susceptible to erosion and instability. They DO NOT represent the future coastline.
- Planning not site specific



- Baseline data for future retreat assessments
- ~50 pts / m2
- Other uses