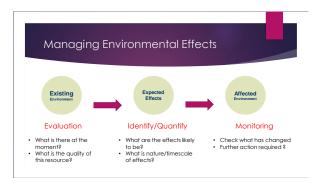


What are EMPs? Developed under RMA to manage environmental effects.

- ▶ Based on initial understanding of what the effects might be for a particular site or project.
- Practical application of AEE and more...
- Set up to monitor and inform management decisions on site

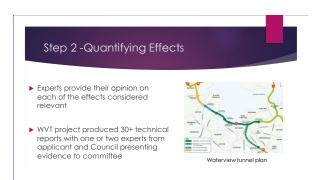


Waterview Tunnel, photo kindly shared by Ray Chang, 202







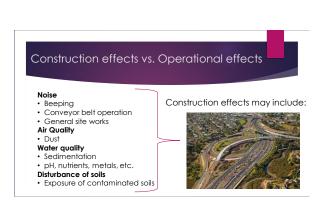




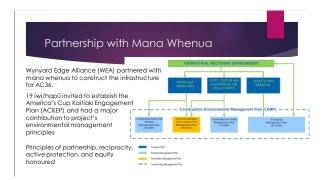










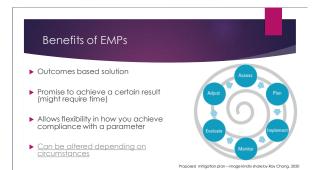


Activities affecting cultural values

Of particular concern

- ▶ Managing water quality
- Managing underwater noise as to protect marine animals
- Protecting the waters of the area from biosecurity risks
- Providing cultural markers within the infrostructure that recognise the historical associations of mana whenua with the whenua and moana.
- Enabling the use of infrastructure for cultural activities.

Mana whenua were involved in the preparation and implementation in a range of management plans





Noise Problems Hearing damage - many people are exposed to work and leisure noise levels that slowly but relentlessly cause deafness The construction industry has high levels of noise that can damage workers hearing and health Aim of NZ building regulations for sound insulation: safeguard people from illness or lack of amenity as a result of undue noise transmission On a positive note: room acoustics - good quality sound helps communication - and gives pleasure.





