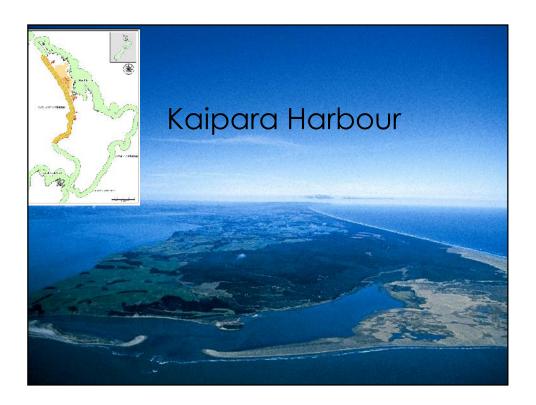




Threats to Climate and Sea: Kaipara Harbour

ECO Annual Conference Saturday 2nd July 2011



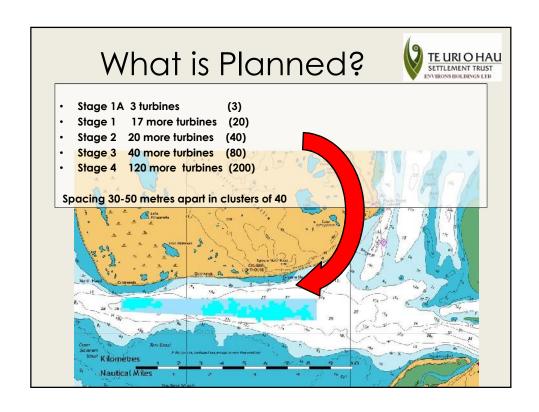
Pouto Pouto SETTLEMENT TRUST North Head Peninsula

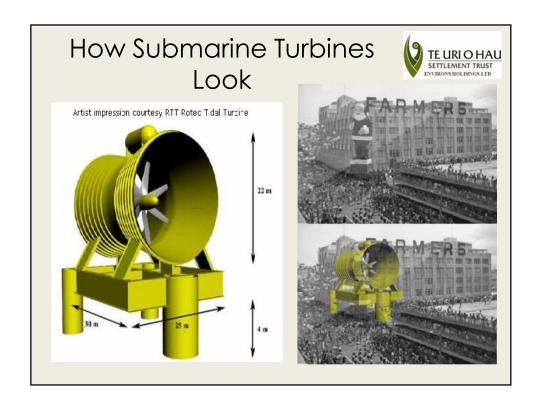


Resource Consent Has Been Granted to:



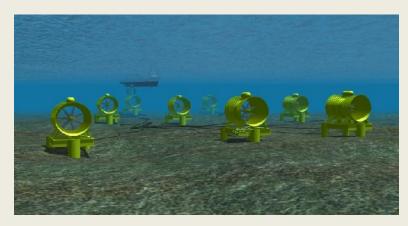
- Placement of 200 underwater turbines on the seafloor in the entrance to the Kaipara Harbour
- A submarine tidal powerstation of this size is totally untried and untested anywhere!





Artists Impression of Powerstation



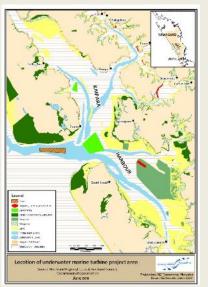


The Kaipara is ALREADY Impacted



Cumulative effects of:

- Sandmining
- Commercial fishing
- Recreational fishing
- Multiple land-based stressors
- Invasive species & disease
- Coastal Development
- Climate Change
- Deforestation





What are we risking now?



Kaipara's Important Marine Biodiversity



- Sharks habitat and nursery
- Skates and rays habitat and nursery
- Snapper-nursery & spawning grounds
- Trevally, Gurnard, Mullet, Flounder
- Dolphins & Orca home range
- Tuna & inganga



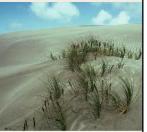




Kaipara's Important Marine Biodiversity

- Shellfish scallop, greenlipped mussel, pipi, cockle, pupu, toheroa, tuatua
- Significant marine ecosystems seagrass, mangroves, saltmarsh, mudflats, sandflats, dunelands
- Significant seabird habitat feeding & breeding







Customary



- Fishery
- RMA process
- Kaitiakitanga
- Rangatiratanga
- Deed of Settlement
- Statutory Acknowledgments





