



Te Korowai o Te Tai o Marokura
Kaikōura Coastal Marine Guardians

Kaikōura Community Discussion Evening 9 December 2019

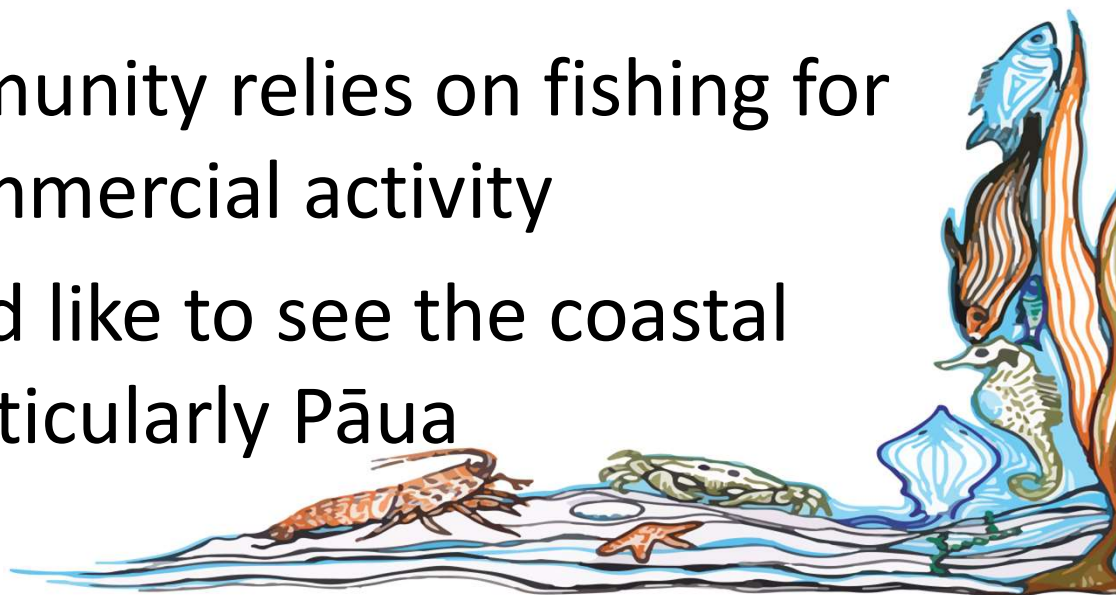
Dr Sharyn Goldstien



Acknowledging the Process

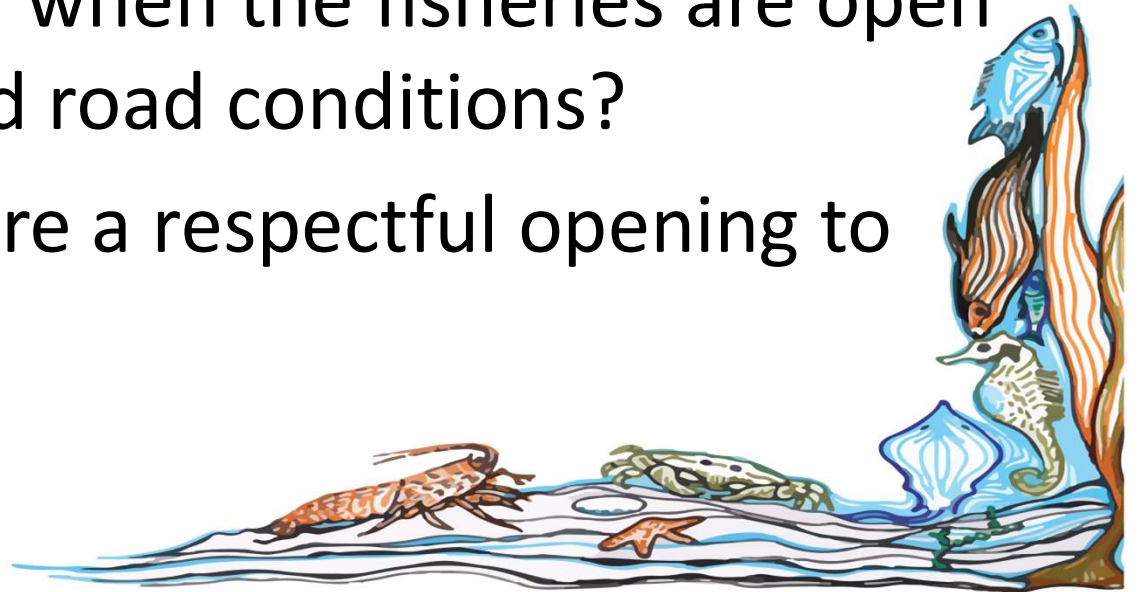
We acknowledge:

- Earthquakes are a natural event that occur often in NZ
- Uplift has occurred in the past and coastal species have recovered from them
- The Kaikōura community relies on fishing for well-being and commercial activity
- Many fishers would like to see the coastal fisheries open, particularly Pāua

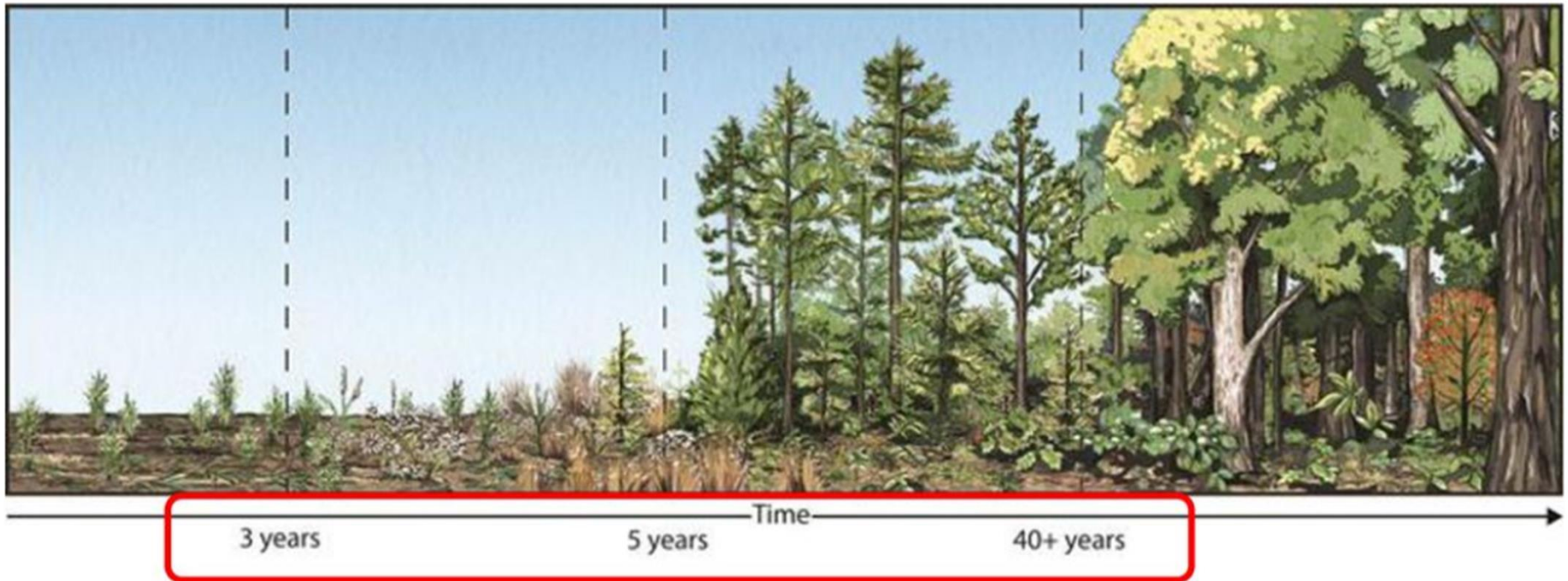


Our Questions and Concerns

- Is recovery occurring across the **entire** impacted area?
- Is the system showing **resilience** to future change and accidents?
- What will happen when the fisheries are open given the changed road conditions?
- How can we ensure a respectful opening to the fisheries?

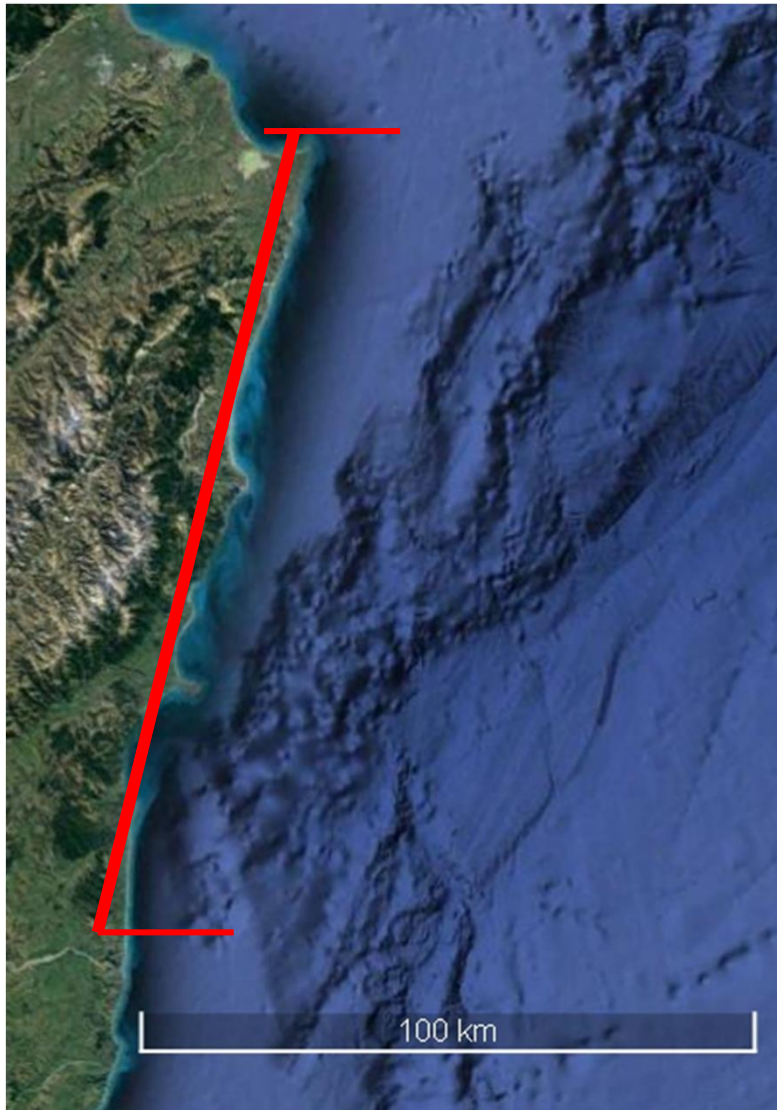


Successional Recovery and Ecological Context



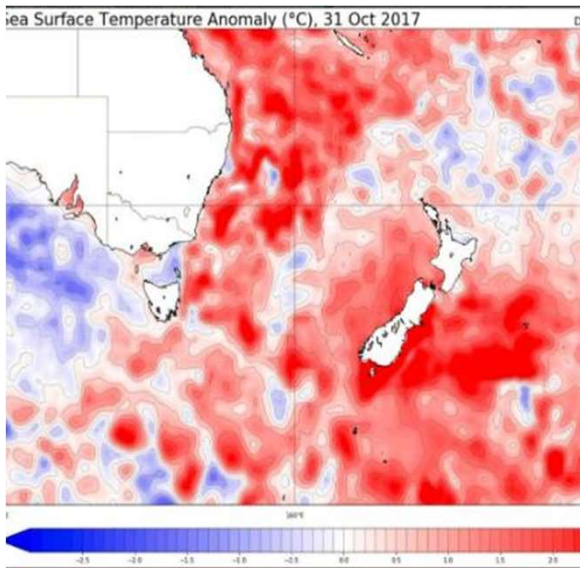
- Each point can look like recovery
- Each phase can switch to a different state
- Regression can occur at any point

Area of Recovery



- Variable impact to sites along 120 km of coast
- Connection between sites matters
- Supply of young between sites matters
- **Generations** of short distance steps fills in the gaps

Resilience For a Changing Future



- Diversity
- Age spread within populations
- Habitat health and productivity

Non-Local fishing Pressure

Safe stopping areas within a **wadeable fishery**

- Increase of **less competent** fishers
- Concentration of non-local fishing

Can local fishing spread the catch enough to offset this added pressure?



What is the local message to non-local fishers and visitors?

- Respect for a flourishing system?
- Take for a taste?
- Experience geological history that is the basis of NZ?

Please add your views to the post-it notes!

Photo Credit: Robyn Dunmore

Speakers

- Coastal Researchers
 - Community efforts with Pāua translocations
 - Intertidal – Dr Tommaso Alestra
 - Juvenile Pāua – Dr John Pirker/ Tommaso
 - Subtidal diversity – Dr Robyn Dunmore
 - Pāua populations – Dr Tom McGowan
 - Dispersal and genetics – Prof. Jonathan Gardner
- Fish Mainland – Randall Bess

