TSUNAMI POLE PROJECT

A collaboration of Haida Gwaii communities and partners







Background



- Haida Gwaii is an archipelago of over 150 islands located off of the north coast of British Columbia.
- There is an impending tsunami risk across all communities, so it is imperative that both residents and visitors alike are prepared and know where the hazard zones and safe zones are in the event of a tsunami.
- With this in mind, the communities across Haida Gwaii partnered on the tsunami pole project with EMBC, BC Hydro and Telus.

"Preparation is key to survival in the event of an earthquake or tsunami" Government of British Columbia

The Challenges



COMMUNICATION

We're in a tsunami hazard zone but also have limited communication possibilities in some areas.



SIMPLICITY

We need to devise a system that is both easy to maintair and easy to understand by both visitors and locals.

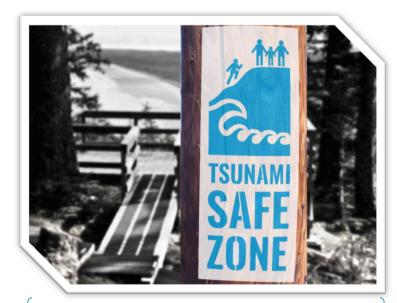


CONSISTENCY

We need an approach that we are able to implement uniformly across all our communities.

Our Solution

- Communication: Visual indicators painted on utility poles to instruct visitors and residents on where the hazard zones are and where it is safe to go in the event of a tsunami.
- **Simplicity:** Our Tsunami Pole Project utilises existing infrastructure, can easily be maintained, cannot be stolen and is easily understood.
- Consistency: We worked together to implement this across our communities to produce a universal approach..



"Earthquakes can pose a serious tsunami threat here on Haida Gwaii. This project is a great example of our communities working together to provide a clear indication of where the safe zones are."

What made this unique?







USE OF EXISTING INFRASTRUCTURE

We worked together to map hydro poles across our islands



Telephone poles across our communities were mapped using LiDAR data from CHN/FLNRORD

Using a planning level of 10 meters above sea level as a safe zone, each community was mapped and coded with hazard and safe zones

Maps were prepared for each community identifying which poles to mark: here they are coded where blue: safe zone and green, orange and red are hazard zones

This produced a clear marking system to be used across our communities





Hazard Zone

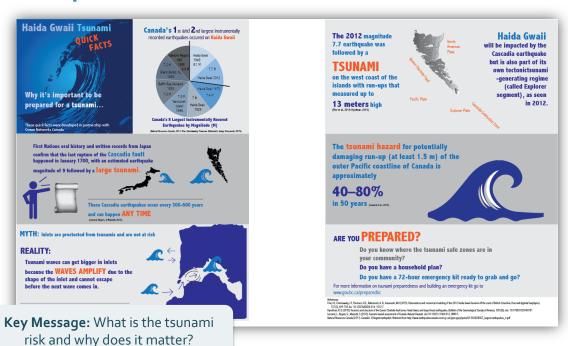


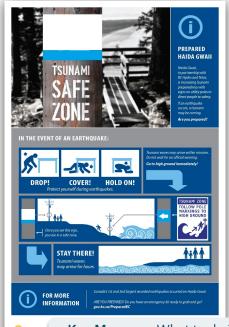
Evacuation Route



Safe Zone

We developed a communications plan to implement across our communities.





PreparedBC

Key Message: What to do in the event of a tsunami?

Since the implementation, we have recognized key outcomes of our project







TSUNAMI AWARENESS

Residents are now more conscious of the tsunami danger and have visual reminders of safe zones

FUTURE PLANNING

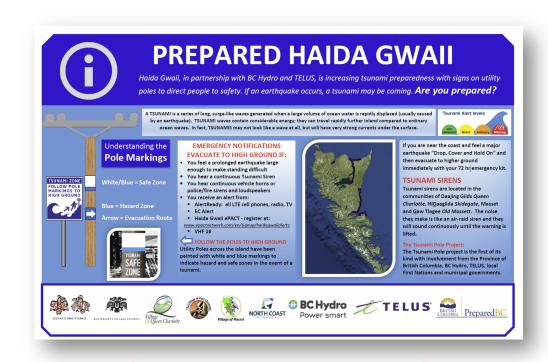
Our communities are more aware of the possibility of evacuations and we have updated our evacuation plans

ALL ISLAND PLANNING AND PREPAREDNESS

We realize the importance of working together despite being separated by distance

What next?

- How do we continue increasing public awareness and understanding?
- How can we integrate more high level emergency planning between communities?
- How can we build on the success of the tsunami preparedness project?



We are currently rolling out sign posts at campsites and visitor centers across our communities.

Reflections



LORI WIEDEMAN, CAO

"This simple idea has helped our communities come together and launched other ideas for community coordination"



RUBY DECOCK, CAO

"Our communities are building on this work to bring more coordination to our emergency planning on island"



DANIEL FISH, CAO

"Another big success has been the ePACT system which has simplified emergency communications for all our local governments"



Thank You