Submission on Coastal Hazard Mapping & Planning

Key Issues

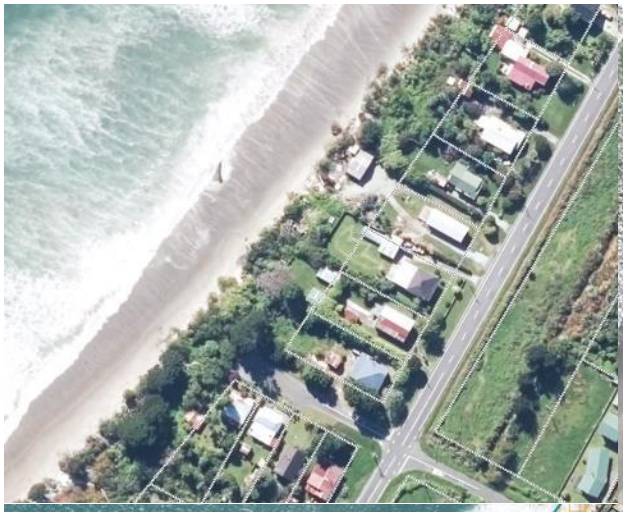
- **Community-Led Protection:**
    - Local communities have taken independent action to mitigate inundation risks (sea walls, drainage improvements, pumps etc.)
- **Policy & Guidance Gaps:**
    - Natural Hazard Policies allow maintenance of existing properties but lack clarity on protection measures and thresholds for habitability
    - National guidance is needed to ensure property owners incorporate climate change effects in development decisions.

Mapping Concerns (Variation 2):

- **Data & Accuracy Issues:**
    - As a former GIS instructor, I recognize errors in mapping layers, which are based solely on elevation data without considering real conditions.
    - The Coastal Severe layer LiDAR data predates 2018 and does not account for post-cyclone coastline changes or protective structures include the significant of private infrastructure.
    - Example: In Hector, most beachfront properties have protective sea walls (some government-funded, others privately built) up to 5m high, yet they are incorrectly mapped within the severe hazard zone.
- **Impact of Mapping Inaccuracies:**
    - Incorrect hazard classifications impact insurance, rates, and property values.
    - Maps should reflect up-to-date and on-ground realities, as they significantly influence planning and community resilience.

Requested Decisions:

1. **Include existing protection structures** in coastal hazard planning
2. **Define maintenance requirements** for these structures to ensure long-term effectiveness and ongoing resilience
3. **Incorporate climate change planning** into policies for consistent national guidance
4. **Engage with local communities**, who have firsthand knowledge of solutions and conditions
5. **Ensure mapping aligns with current, real-world data**, not just elevation models.



Legend

TeTaiOPoutiniPlanCoastalHazard Variation

Coastal Hazards Variation - Setback

Coastal Hazards Variation - Alert

Coastal Hazards Variation - Severe

TeTaiOPoutiniPlan Overlays

West Coast Boundary

Coastal Tsunami Hazard

Designations

Property Boundaries