

# UCLUELET'S EMERGENCY SERVICE DEPARTMENT

UCLUELET COUNCIL MEETING  
MAY 24, 2016

KARLA ROBISON – ENVIRONMENTAL AND EMERGENCY SERVICE MANAGER



# OUTLINE

## Upcoming Emergency Events

- Shake Zone
- Exercise Coastal Response / Staunch Maple



## COASTAL RESPONSE



# PARTICIPATING ORGANIZATIONS

- District of Ucluelet
- Royal Canadian Mounted Police
- Ucluelet Volunteer Fire Bridge
- British Columbia Ambulance Service
- Canadian Rangers
- Canadian Coastguard
- West Coast Inland Search and Rescue
- Pacific Rim National Park Reserve
- Ucluelet Elementary School
- Emergency Social Services
- Royal Canadian Marine Search and Rescue
- Yuułu?if?ath Government



# SHAKE ZONE (QUAKE COTTAGE)

The Insurance Bureau of Canada (IBC) coordinated Shake Zone, a portable earthquake simulator to tour a variety of communities from Greater Vancouver and Vancouver Island.

- **When:** May 1 (started in Vancouver - Science World) to June 7 (ends in Sechelt/Gibson)
  - June 2 - Ucluelet
- **Location:** Secondary School
- **Duration:** 9:30 am to 3:30 pm
- **Goal:** To have students, residents and visitors experience the simulator, to learn about emergency preparedness, and to share their experience with colleagues, friends and family members
  - › Emergency preparation is a shared responsibility
  - › Drop, Cover, Hold and Evacuate to High Ground
  - › The shaking experience will create a memory



# SHAKE ZONE

## Shake Zone 2016 Mid-Island and Sunshine Coast Tour

Are you ready for the Big One?

Experience an 8.0 earthquake in the portable Quake Cottage Simulator for free at the locations below:

Thursday, May 26	10 am – 4 pm	Island Savings Centre
Friday, May 27	9 am – 3 pm	Vancouver Island University
Saturday, May 28	10 am – 3 pm	Woodgrove Mall
Sunday, May 29	9 am – 3 pm	Qualicum Civic Centre
Monday, May 30	9 am – 3 pm	Qualicum Beach Elementary
Monday, May 30	9 am – 3 pm	Springwood Elementary
Tuesday, May 31	10 am – 4 pm	Port Alberni Echo Centre
Wednesday, June 1	10 am – 3 pm	Tofino Municipal Hall
Thursday, June 2	9:30 am – 3:30 pm	Ucluelet Secondary School
Friday, June 3	1 pm – 7 pm	Simms Park - Courtenay
Monday, June 6	1:30 pm – 7 pm	Powell River Crossroads Village
Tuesday, June 7	11 am – 5 pm	shishálh Nation Office

## Operations

- Run 5-6 hours per day, plus 1 hour to set up and 1 hour to take down
- Approximately 350 to 500 people can be put through the simulator
- Signing of a ride waiver is required
- Three people fit in the simulator
- The simulator can go up to a ‘magnitude 8’ (not based on scientific data)
- The intensity can be altered depending on the age and interest of the riders



# SHAKE ZONE

## Funding

- IBC sponsored \$11,000 US for transportation fees (from Eastern to Western Canada) plus an additional \$2,000 CAD per day for operating fees for each community
- The costs for Shake Zone for a 6-hour day is \$2,700 US or approx. \$3,500 CAD.
  - IBC provided a donation of \$2,000
  - The Clayquot Biosphere Trust provided a donation of \$1,200
  - Westland Insurance provided a donation of \$200

*A big thank you to the Elementary and Secondary Schools, Clayoquot Biosphere Trust, Westland Insurance, and the Insurance Bureau of Canada for sponsoring this event!*





# SHAKE ZONE

## Schedule – June 2, 2016

- 8:30 - 9:30 – Set up
- 9:30 - 10:00 – UES (28 students)
- 10:00 - 10:30 – UES (24 students)
- 10:30 - 11:00 – UES (29 students)
- 11:00 - 11:30 – UES (23 students)
- 11:30 - 11:55 – UES (24 students)
- 12:00 - 12:45 – Community
- 12:45 - 1:15 – USS
- 1:15 - 1:45 – USS
- 1:45 - 3:00 – USS
- 3:00 - 3:30 – Community
- 3:30 - 4:30 – Take down



# OVERVIEW: EXERCISE COASTAL RESPONSE 2016

## What is Exercise Coastal Response 2016?

- **Purpose:** Provincial full-scale exercise to enhance provincial emergency response capabilities to a catastrophic earthquake
- **Date:** June 7 to 10, 2016
- **Location:** Alberni-Clayquot Regional District, Ucluelet and Bamfield
- **Lead:** Emergency Management British Columbia (EMBC)
- **Objectives:**
  - Activate and test elements of BC's Earthquake Immediate Response Plan (IRP)
  - Opportunity for other levels of government to test plans and build a common operating picture
  - Strengthen stakeholder relationships and engagement
- **Exercise Functions to be Tested:** Medical, Mass Care, Emergency Operations, Strategic Communications, Logistics, and Telecommunications





# BACKGROUND: EXERCISE COASTAL RESPONSE 2016

- First full scale disaster Exercise led by EMBC
- Concentrates on coordination, control, planning and collaboration:
  - Allows detailed planning without the magnitude of the problem being overwhelming
  - Disaster scenario to bring out coordination aspects and test the new IRP
- Linked with Exercise Cascadia Rising (USA), Pacific Quake (Federal) and Staunch Maple (Canadian Armed Forces - CAF)

## Scenario - National Impacts

- Catastrophic damage along the west coast of the USA that would prevent assistance from any of the Western states
- Involves conditions in Western Canada that will not impede delivery of Canadian relief support from East of the Rockies
- Damage in the lower mainland will not impede delivery of Canadian relief support from East of the Rockies



# SCENARIO: EXERCISE COASTAL RESPONSE 2016

## Regional Impacts

- Strong shaking in Greater Vancouver, Greater Victoria and South Vancouver Island
- Some destruction in the major urban centres, but not to catastrophic levels
- Major urban centres able to self-recover and will not require extensive assistance from provincial/national agencies
- Damage will allow limited road deployment from the East into Port Alberni area and limited ship deployment to port facilities in the Victoria and Nanaimo area
- Extensive communication and power outages across South West BC on Day 1
- Earthquake will generate a tsunami on the west coast of Vancouver Island
- First 8-10 hours of the exercise, planned injects from the Master Scenario Events List (MSEL) will present information that of all the affected communities in southern BC
- Port Alberni will have been impacted the worst



# SCENARIO: EXERCISE COASTAL RESPONSE 2016

## Local Impacts

- Extensive blockage of roads, bridges and the ACRD airport
- Extensive local damage and facility destruction
- Significant utility breakages
- Multiple power outages to ACRD and far West Coast
- Widespread community/residential devastation
- Significant number of casualties and displaced persons, including thousands of tourists in the ACRD/Ucluelet/Tofino area; beyond the ability of local and regional facilities to manage
- Road, port and infrastructure will be severely impacted; including worst case tsunami caused inundation of the Port Alberni area
- Tsunami effects in other coastal communities will not be as severe
- Earthquake and tsunami will have created a catastrophic disaster in the Port Alberni area requiring an immediate response of federal and provincial assets



# SCENARIO: EXERCISE COASTAL RESPONSE



**Facility destruction**



**Road, port and infrastructure damage**



# SCOPE: EXERCISE COASTAL RESPONSE

## Magnitude 9.0 Earthquake and Tsunami

- Activate Local Authority Emergency Cooperation Centres (EOC), Provincial Regional Emergency Operation Centres (PREOC) and the Provincial Emergency Coordination Centres (PECC)
- Notify Provincial Ministers
- Declare a Provincial State of Emergency
- Deployment of the Provincial Coordination Team (PCT)
- Deployment of Vancouver's Heavy Urban Search and Rescue (HUSAR) - Task Force 1
- Testing of staging area with federal partners in support of Logistics requirements





# PLANNING: EXERCISE COASTAL RESPONSE 2016

## Exercise Update



- 1 year to prepare
- \$1 million budget





# PARTICIPANTS: EXERCISE COASTAL RESPONSE 2016

## EXERCISE STAFF

Facilitator – Louise Bouchard  
Controllers/Recorders – Robert Dodds/ Lyle Herod

## LOCAL AGENCIES

Alberni-Clayoquot Regional District	District of Tofino
City of Port Alberni	District of Ucluelet
Hupacasath First Nations	Community of Bamfield
Tseshaht First Nations	Cowichan Valley Regional District
Huu-ay-aht First Nations	Nuu-chah-nulth Tribal Council

## PROVINCIAL DEPARTMENTS

Emergency Management BC	BC Shared Services
Ministry of Health	BC Transit
Ministry of Aboriginal Relations & Reconciliation	Island Health
Ministry of Transportation & Infrastructure	Coroners Service
Ministry of Environment	RCMP E Division
Ministry of Technology, Innovation and Citizens' Services	BC Hydro
BC First Nations Health Authority	BC Housing
Ministry of Forests, Lands & Natural Resource Operations	Oil and Gas Commission
Government Communications and Public Engagement	BC Emergency Health Services

## FEDERAL DEPARTMENTS

Public Safety Canada	Indigenous and Northern Affairs Canada
Department of National Defence	Canadian Coast Guard
Transport Canada	Public Health Agency of Canada

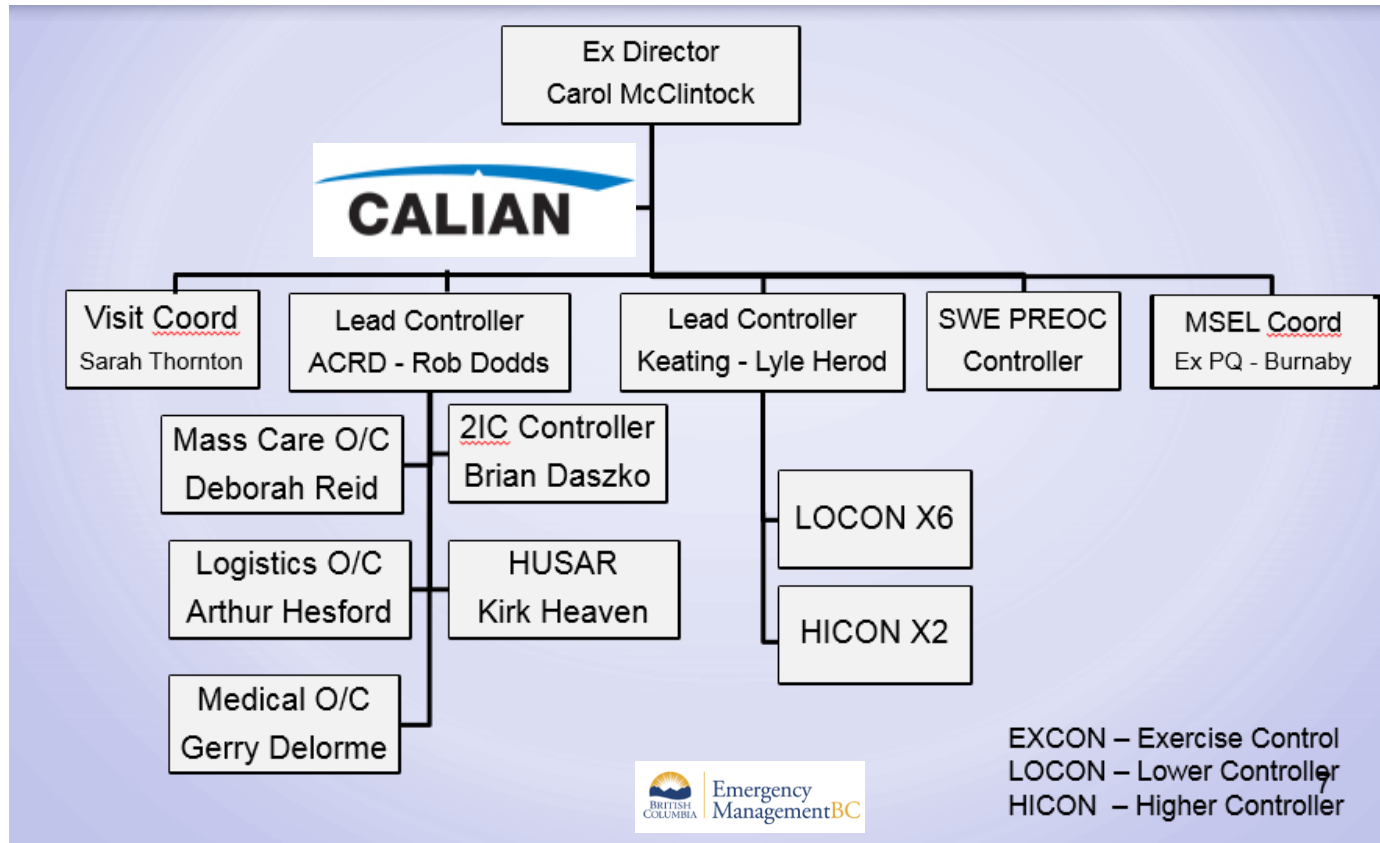
## NON-GOVERNMENT AND OTHER ORGANIZATIONS

Canadian Red Cross	Salvation Army	Telus	Rogers
Vancouver Fire and Rescue Service	BC Ferries	Shaw	Fortis



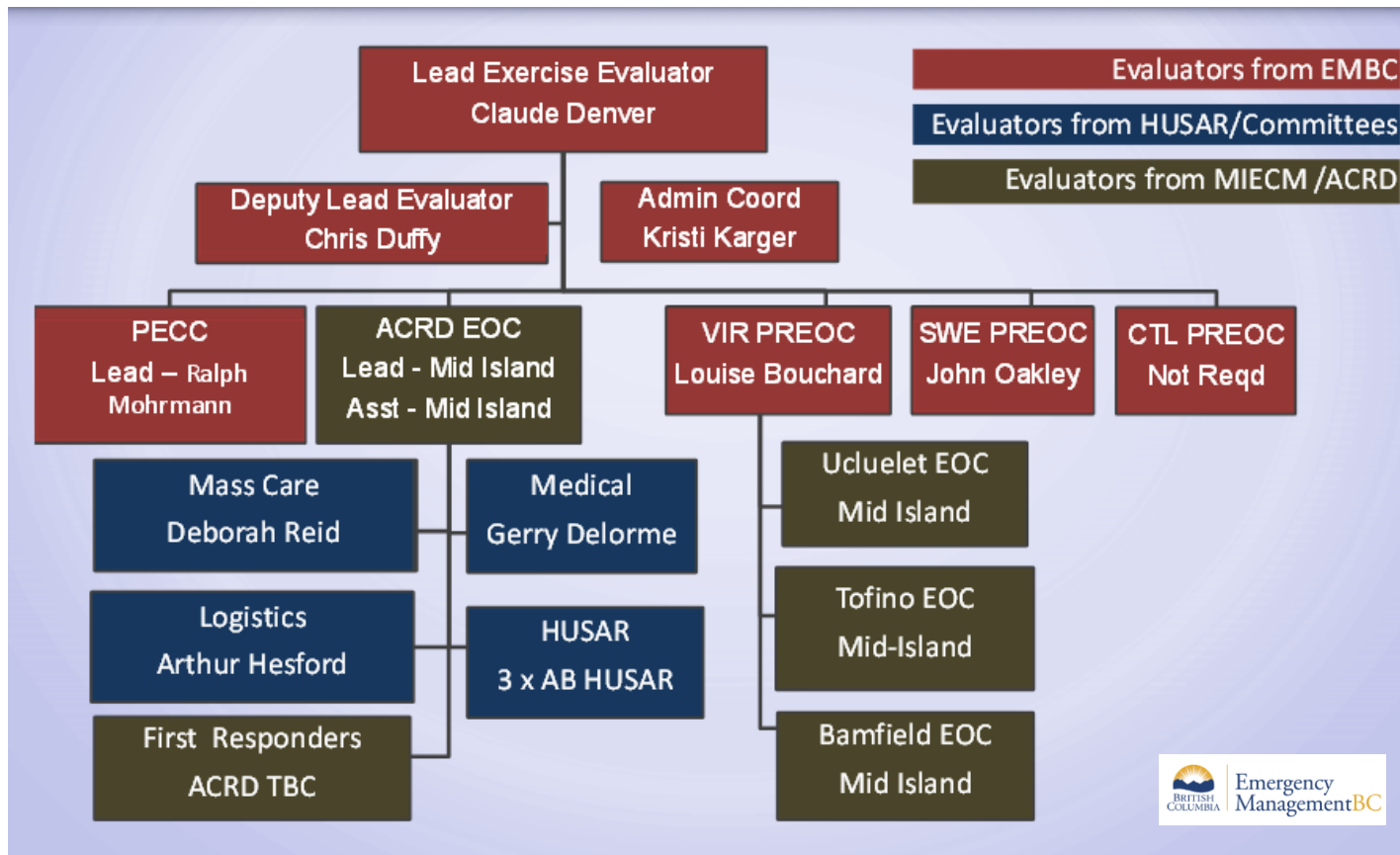
# PLANNING: EXERCISE COASTAL RESPONSE 2016

## Exercise Control



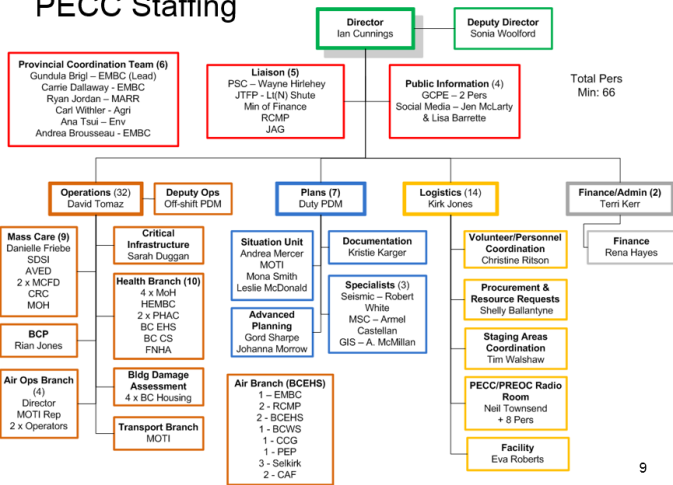
# PLANNING: EXERCISE COASTAL RESPONSE 2016

## Exercise Evaluators

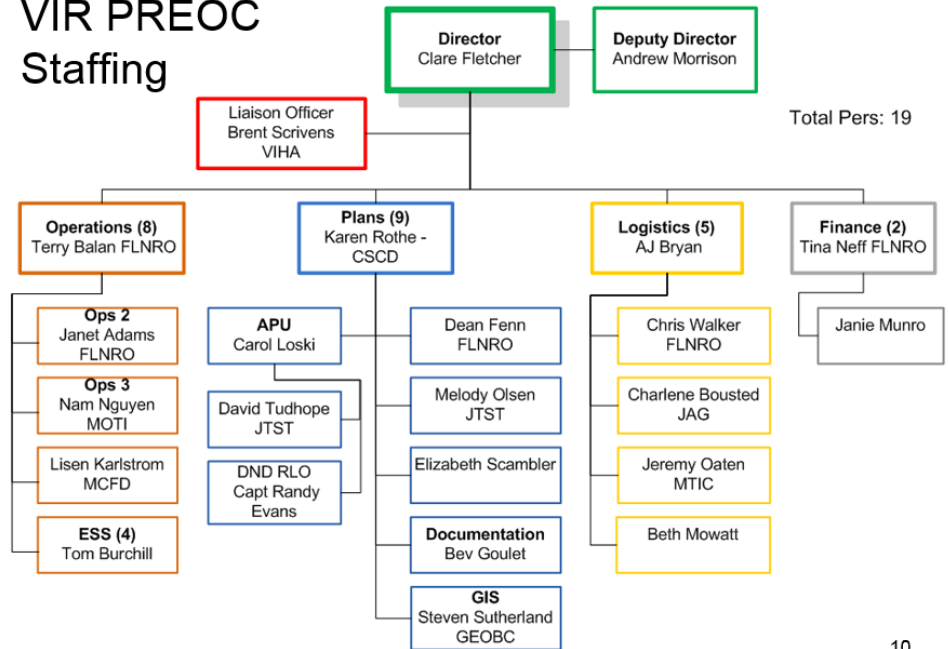


# PLANNING: EXERCISE COASTAL RESPONSE 2016

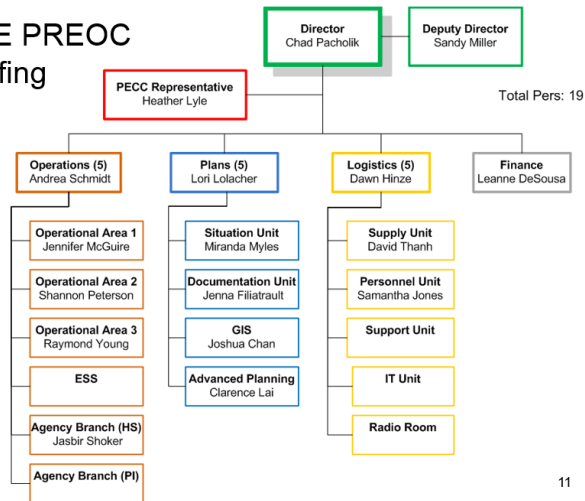
## PECC Staffing



## VIR PREOC Staffing



## SWE PREOC Staffing



# OVERVIEW: EXERCISE COASTAL RESPONSE / STAUNCH MAPLE

**June 7 to 10, 2015**

Exercises in Ucluelet that are linked with Exercise Coastal Response and Staunch Maple (Canadian National Defense exercise).

## **Tuesday, June 7 – Day 1 in Ucluelet and Port Alberni**

- Exercise begins / earthquake strikes
- EOCs, PREOCs and PECC will be activated - Ucluelet's EOC is open and will provide situation reports to VI PREOC
- Event information will be received by the PREOCs and PECC
- Information disseminated to all Ministries
- Activation of simulated Central Coordination Group (CCG) and Ministers-Deputies Emergency Committee (M-DEC)
- Provincial State of Emergency declared
- PCT and HUSAR Task Force 1 will be activated and dispatched
- Provincial Staging Areas and Regional Staging Areas will be activated
- CAF conducts an aerial survey over the impacted area



# UCLUELET: EXERCISE COASTAL RESPONSE

## Tuesday, June 7 – Ucluelet’s Annual Community Tsunami Evacuation Drill

- 6:45 pm – A magnitude 8.2 earthquake occurred in Alaska and has generated a tsunami aimed southeast along the coast of North America. Based on the 1946 Magnitude 7.4 earthquake, the tsunami should reach Ucluelet in approximately 4 hours (around 10:45 pm) with waves approximately 2 to 4 meters. Strong currents and repeating waves are expected.
- 6:47 pm – The first NTWC statement came through at 6:47 pm stating a Tsunami Warning is in effect for the BC coast
- 6:50 pm – The District of Ucluelet will test their internal and external communications systems
  - Internal - notify First Responders and Emergency Personnel via Team Connect
  - External - notify residents and visitors via Team Connect
- 7:00 to 8:00 pm – The Emergency Committee will activate the EOC at the Fire Hall
  - Activate the EOC, obtain a Task Number from the VI PREOC, Conduct an exercise briefing
  - Fire Hall siren will sound at approximately 7:00 pm to notify residents that the exercise is starting and will be tested intermittently until 8:00 pm
  - Declare a State of Local Emergency
  - EOC operations





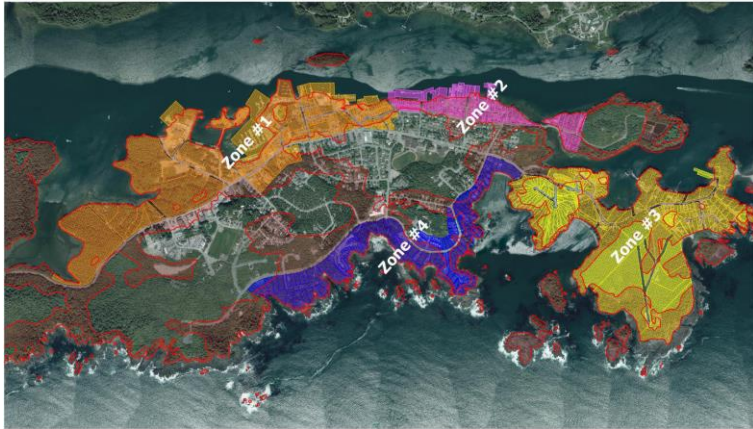
# UCLUELET: EXERCISE COASTAL RESPONSE

## Tuesday, June 7 – Continue...

- 7:00 to 8:00 pm – First Responders - Fire, Police, and Search and Rescue will conduct mock evacuations for homes located in low-lying areas
- 7:00 to 8:00 pm – Ucluelet's Emergency Social Services team will activate the Reception Centre at the Secondary School Band Room
- 7:00 to 8:00 pm – Residents and visitors will evacuate to the main community safe zone
- 8:00 to 8:30 pm – Debrief



Tsunami Evacuation Zones



# PORT ALBERNI: EXERCISE COASTAL RESPONSE

## Wednesday, June 8 – Day 2

- Karla is participating with EOC operations in Port Alberni
- Local ACRD officials to visit key sites - Ucluelet's ACRD Board Director is invited to attend
- Various emergency scenarios in Port Alberni - EOC operations, mass medical unit (mobile hospital), HUSAR (rescue and recovery), PCT, staging areas, aviation, etc.
- Minister Yamamoto to visit the PECC
- The community of Bamfield is participating with the CAF in a variety of scenarios through during an exercise called Staunch Maple



# PORT ALBERNI: EXERCISE COASTAL RESPONSE

## Thursday, June 9 – Day 3

- Minister Yamamoto to visit Port Alberni
- Various emergency scenarios in Port Alberni - EOC operations, mass medical unit (mobile hospital), HUSAR (rescue and recovery), PCT, staging areas, aviation, etc.
- Emergency Social Services (ESS) Reception, Feeding and Lodging
- Additional VIPs Tour





# UCLUELET: STAUNCH MAPLE / EXERCISE COASTAL RESPONSE

## Thursday, June 9 – Day 3

- 8:00 am – Arrival of the CAF team via Her Majesty Canadian Ship (HMCS) Whitehorse
- 9:00 am to 12:00 pm – Rapid Damage Assessment training
- 1:00 pm to 7:30 pm – Various Scenarios, Inspections, Drills and a Debrief
  - Ucluelet's EOC is open and will provide situation reports to VI PREOC
  - Communications with first responders and the Military and Navy personnel
  - The deployment of Divers for pier and dock inspections at Main Street Dock
  - Rapid Damage Assessments (RDA) scenarios – various locations
  - Elementary and Secondary School evacuation drill
  - Search and Rescue scenarios – school evacuation (Ranger students) + rubble and heavy lift
  - Medical triage of upwards of 24 mock patients
  - CH149 Cormorant to pick up priority patients
  - Debrief



# STAUNCH MAPLE



**Maritime Coastal Defense Vessel,  
Her Majesty's Canadian Ship (HMCS) Whitehorse**



**CH-149 Cormorant**



# STAUNCH MAPLE



**Canadian Forces  
Base (CFB)  
Esquimalt Team**





# STAUNCH MAPLE

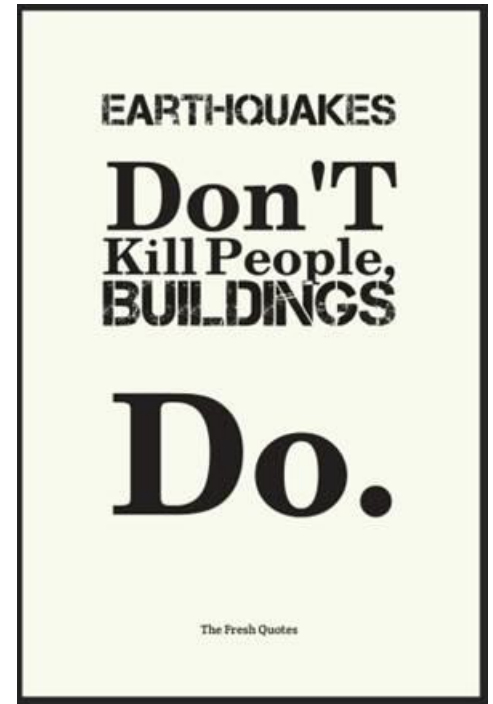
## Canadian Forces Base (CFB) Esquimalt Team – Urban Search and Rescue

- The team was created in 1999 in response to the increasing threat of a major earthquake on the West Coast of Canada
- Specialized technical rescue team made up of Military and National Defense civilian employees that specializes in structural collapse rescue, as well as:
  - Technical search and rescue
  - High angle and low rope rescue
  - Trench and confined space rescue
  - Hazmat
- Fleet Diving Unit – provide structural information on the piers
- Rapid Damage Assessment, qualified through the BC Housing Authority



# STAUNCH MAPLE / EXERCISE COASTAL RESPONSE

## Rapid Damage Assessment Scenarios



# STAUNCH MAPLE / EXERCISE COASTAL RESPONSE



**Heavy Lift Scenarios**





# STAUNCH MAPLE / EXERCISE COASTAL RESPONSE



**Rubble Rescue**



# EXERCISE COASTAL RESPONSE

## Friday, June 10 – Day 4

- End of Exercise
  - The Immediate Response Phase and selected Transition Response activities of the IRP achieved
- Debrief / Hot Wash in Port Alberni





# QUESTIONS



***It takes a community to be prepared for a disaster!***

