



Emergency
ManagementBC

Setting the Scene: Current Climate Risks in the Lower Mainland and BC

MEOPAR Expert Forum • March 17, 2018

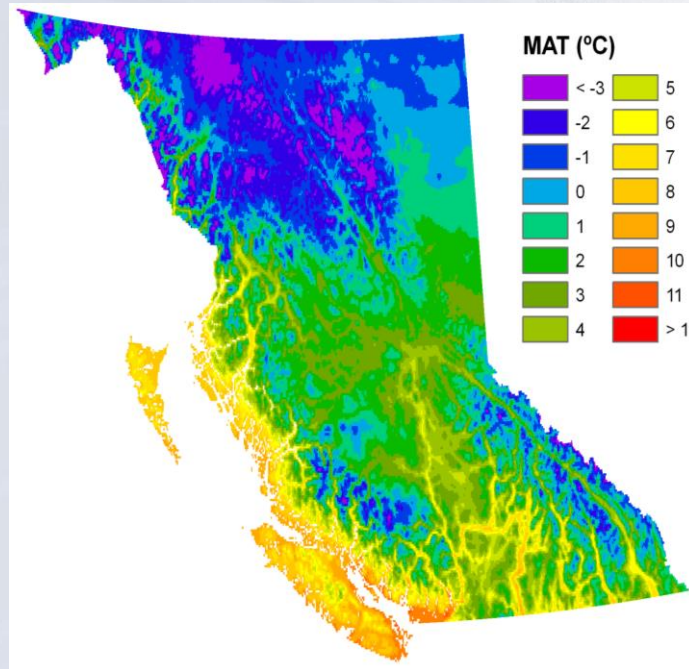
Rebecca F. Denlinger, Deputy Minister, Emergency Management BC

Outline

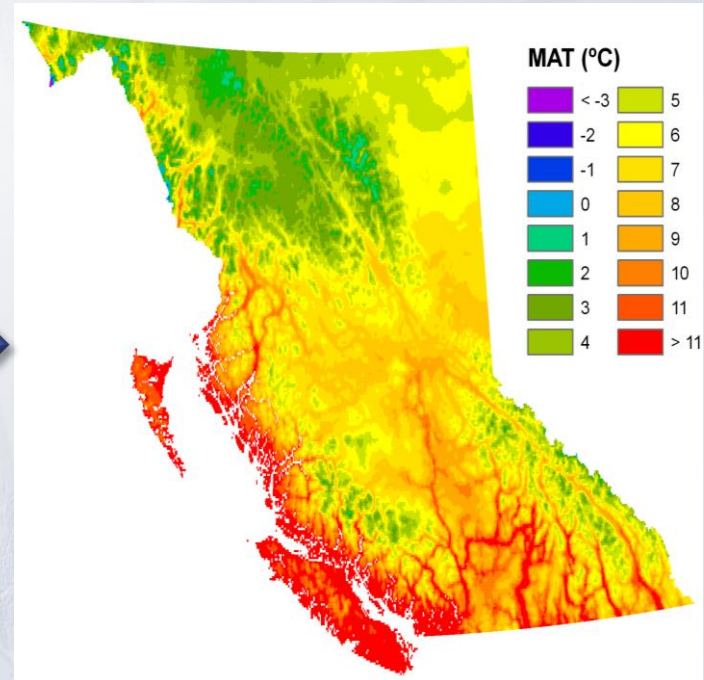
- Current Climate
- Hazards
- Lower Mainland
- Provincial Response
- Partnerships
- Public Preparedness
- Plans and Initiatives
- Summary

Climate Projections

1961-1990 Mean Annual Temperature BC



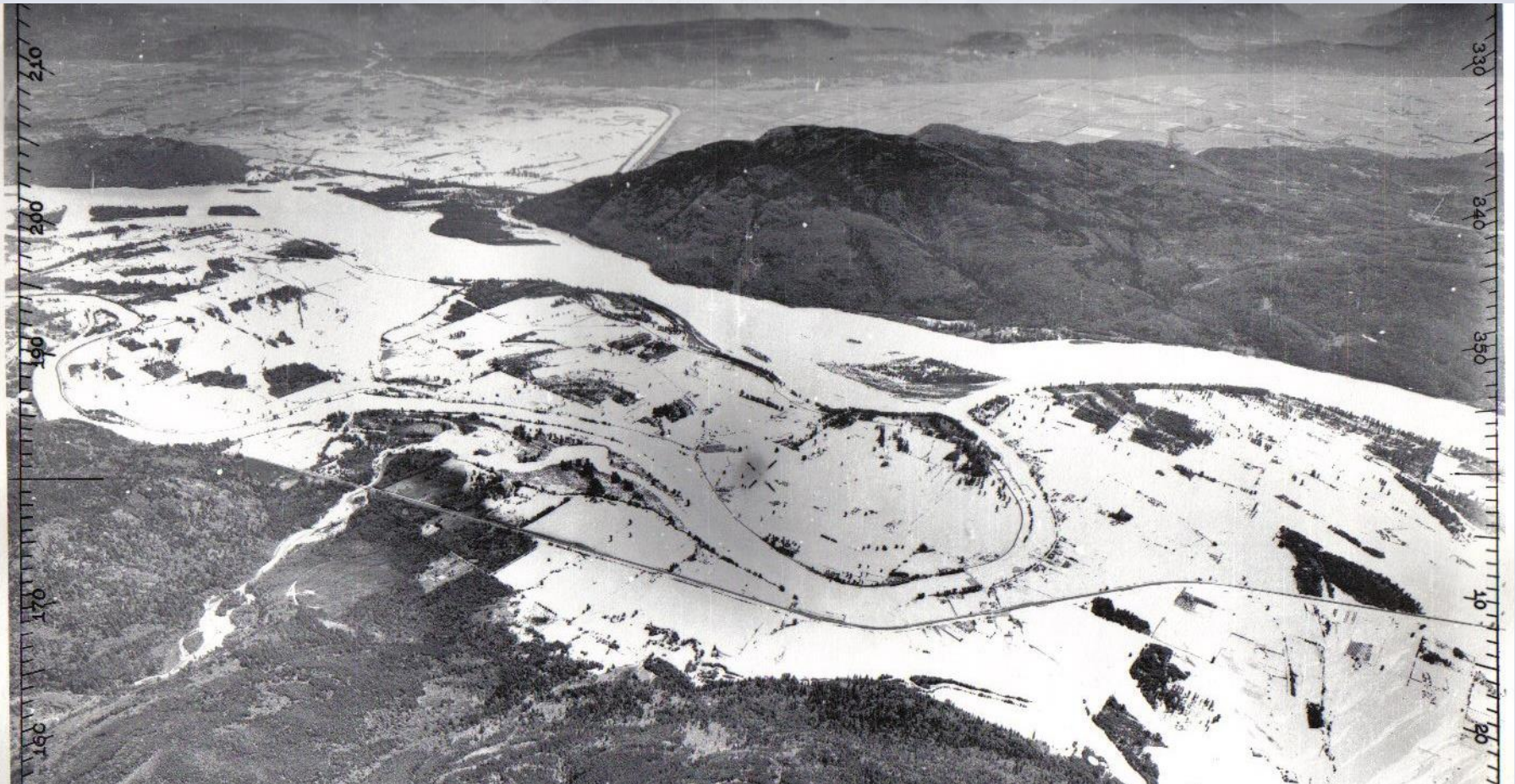
2080s Mean Annual Temperature BC



Hazards



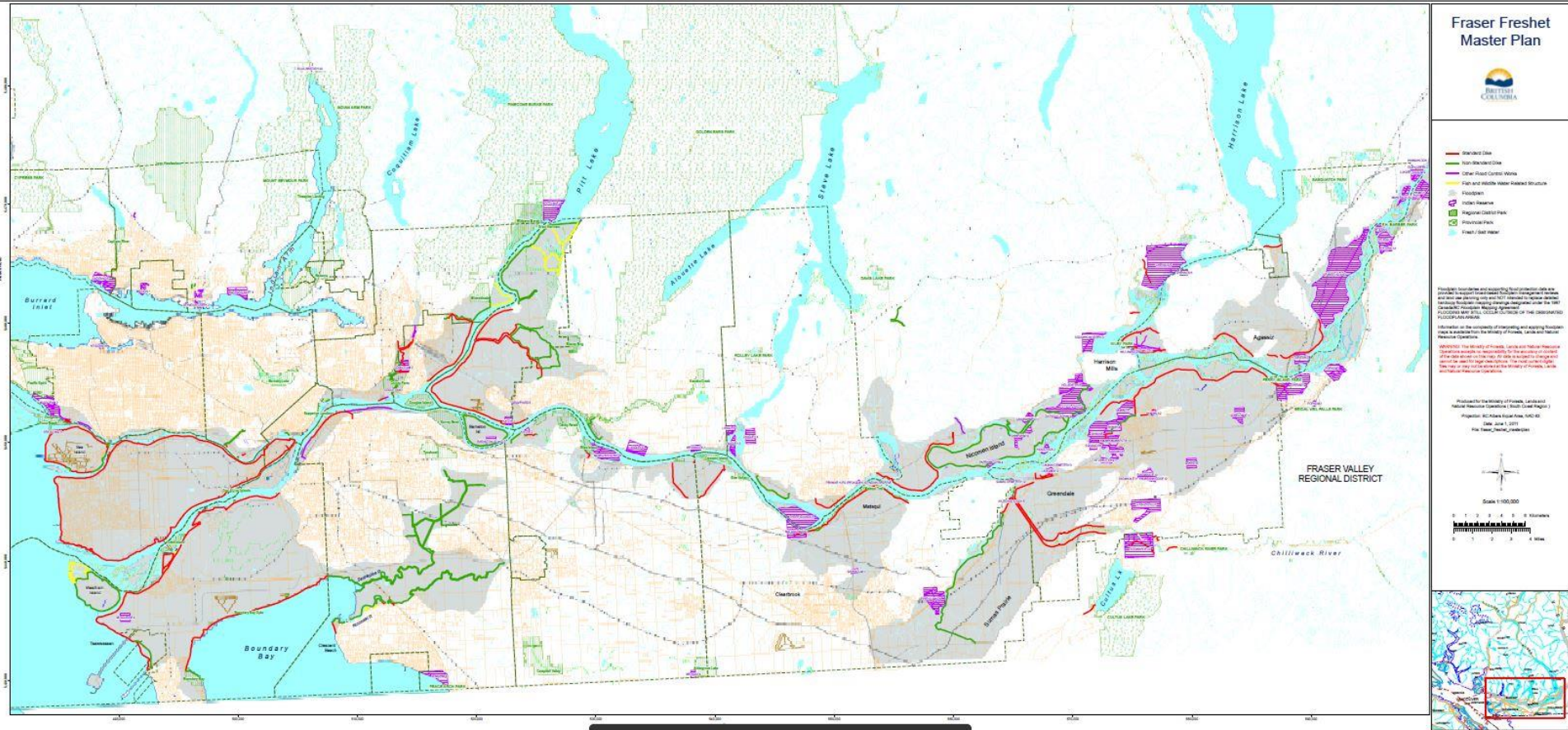
Flooding in the Lower Mainland—1948





Emergency Management BC

Fraser River Freshet Master Plan—2009



Emergency Management BC



British Columbia Emergency Management System

“BCEMS Vision: Resilient Communities Across BC”

The **British Columbia Emergency Management System (BCEMS)** provides the framework for mitigation, preparation, response and recovery from emergencies and disasters in the province.

Response Goals

- Ensure the health and safety of responders
- Save lives
- Reduce suffering
- Protect public health
- Protect infrastructure
- Protect property
- Protect the environment
- Reduce economic and social losses

Provincial Emergency Management—

Governance Structure *

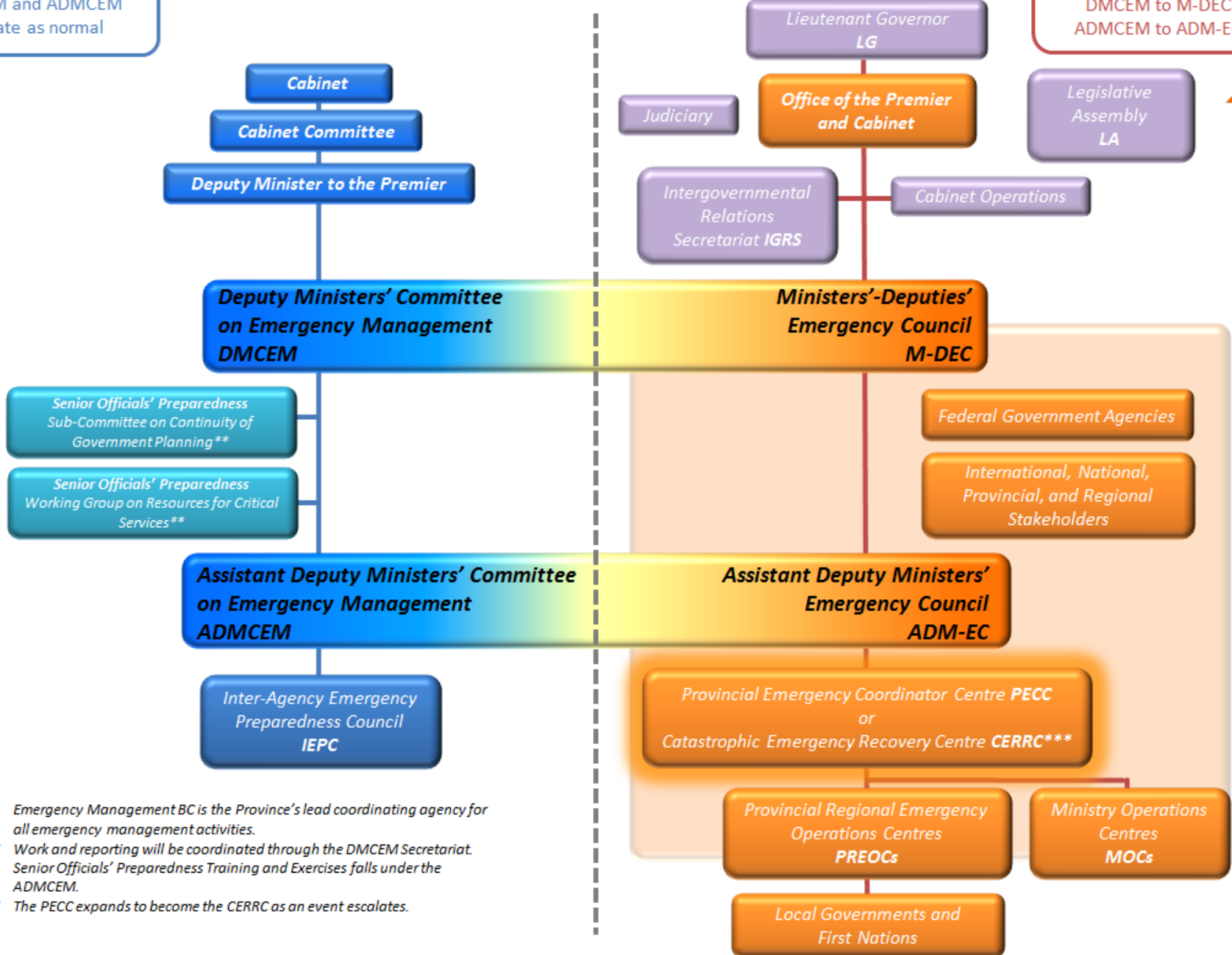
Role 1: Not Activated
DMCEM and ADMCEM
operate as normal

Role 2: Activated to a provincial-scale event
DMCEM to M-DEC
ADMCEM to ADM-EC

Direction and Decisions

Requests for Decisions and Recommendations

Activation Level According to Event Scope and Severity—Consistent with the BC Emergency Management System (BCEMS)

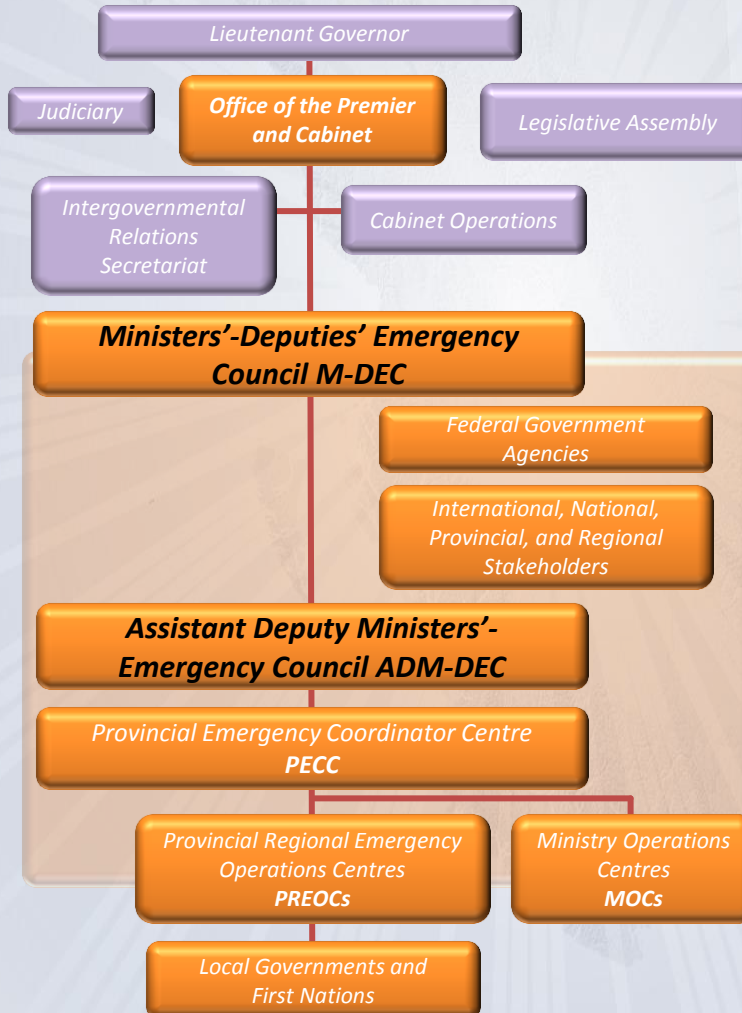


* Emergency Management BC is the Province's lead coordinating agency for all emergency management activities.

** Work and reporting will be coordinated through the DMCEM Secretariat. Senior Officials' Preparedness Training and Exercises falls under the ADMCEM.

*** The PECC expands to become the CERRC as an event escalates.

Provincial-scale Activation



Partnerships

Provincial

- Integrated Partnership for Regional Emergency Management (IPREM)
- Regional Emergency Management Partnership (REMP)
- Provincial Critical Infrastructure Program
- The National Disaster Mitigation Program
- The Canadian Red Cross – Auxiliary to Government Agreement
- NGOs



National

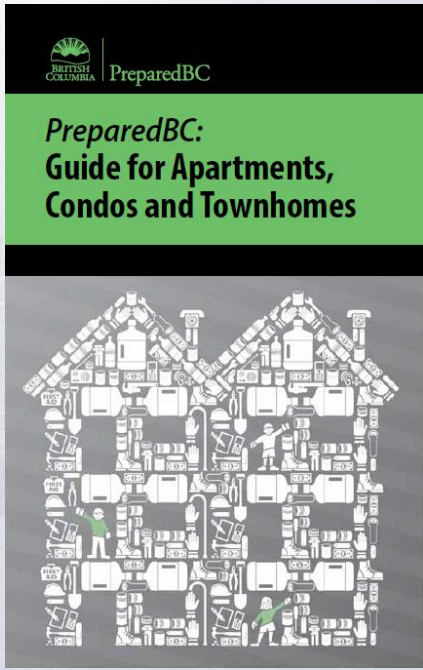
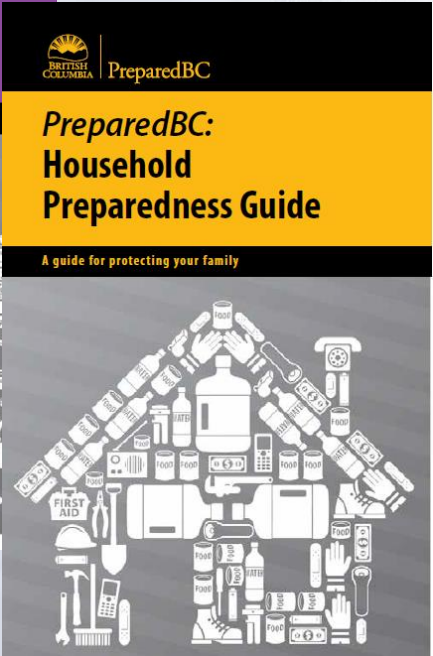
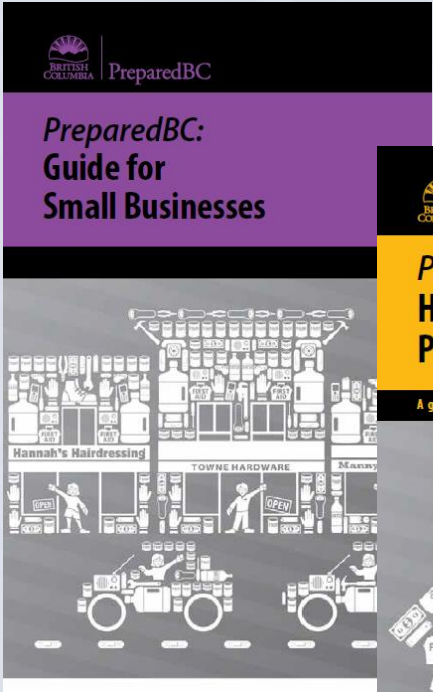
- Memorandum of Understanding with the Province of Alberta\other provinces
- Public Safety and Emergency Management Canada
- The Canadian Armed Forces

International

- Pacific Northwest Emergency Management Arrangement (PNEMA)
- Co-operative Emergency Arrangements with the states of Alaska, Idaho, Oregon, Washington, and the Yukon



Plans and Programs



Response Plans and Projects

Response Plans

- BC's Comprehensive Emergency Management Plan includes:
 - All Hazard Plan
 - Flood Response Plan
 - Pandemic Influenza Provincial Coordination Plan
 - Provincial Coordination Plan for Wildland Urban Interface Fires
 - Tsunami Notification Process Plan
 - Earthquake Immediate Response Plan

Projects and Initiatives

- Seismic Microzonation Mapping with the Institute for Catastrophic Loss Reduction
- Flood Plain Mapping
- Seismic Integrated Asset Management – schools, bridges, hospitals
- Earthquake Early Warning Systems and Seismic Monitoring





Thank you

Questions?