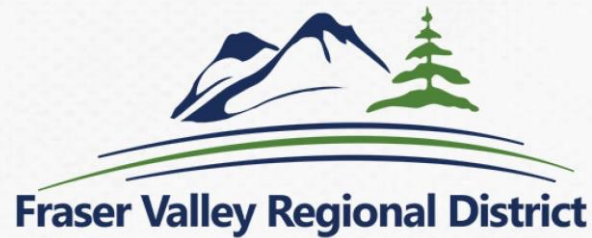
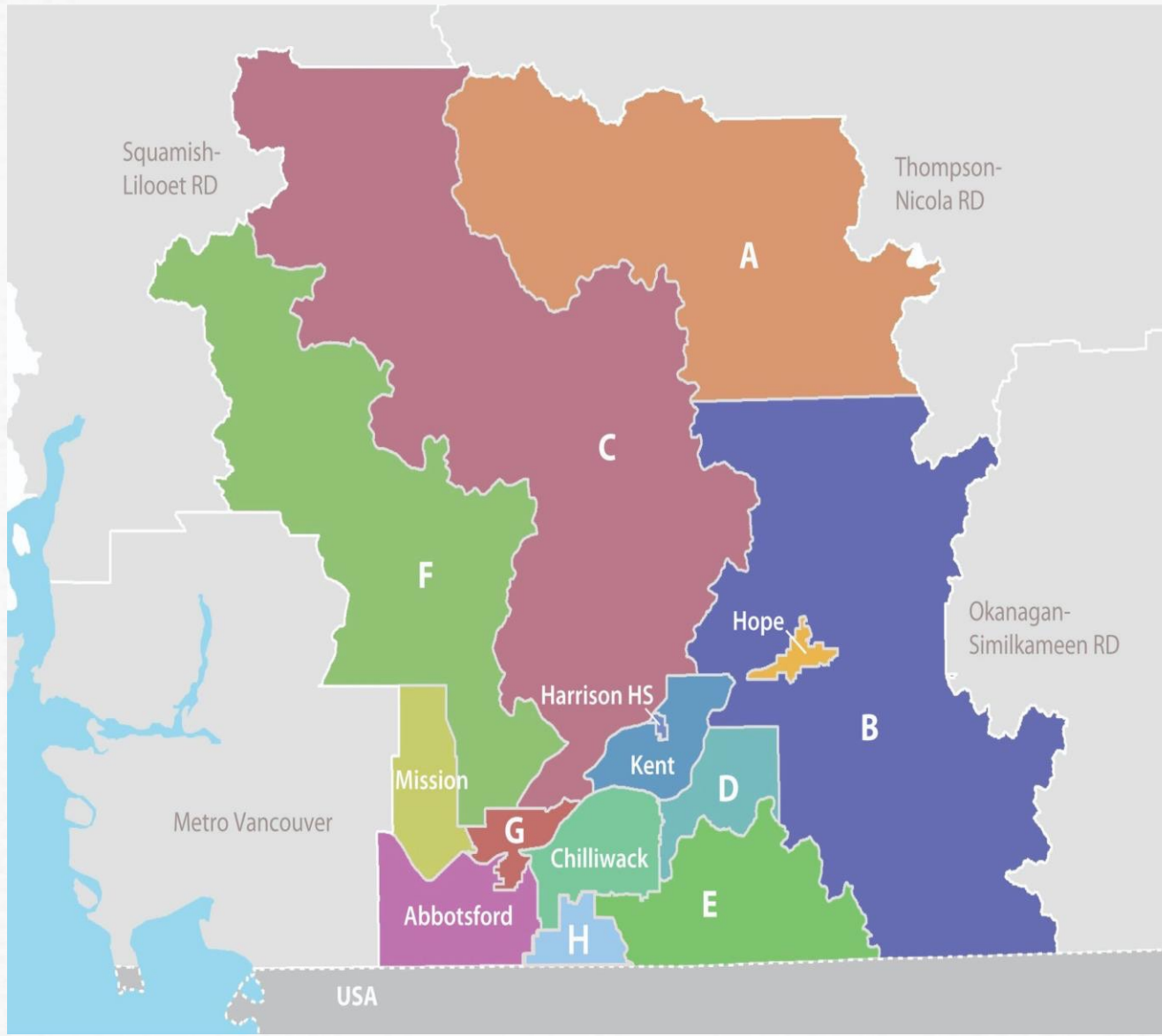


# Lessons from an Atmospheric River: Insights for Local Government



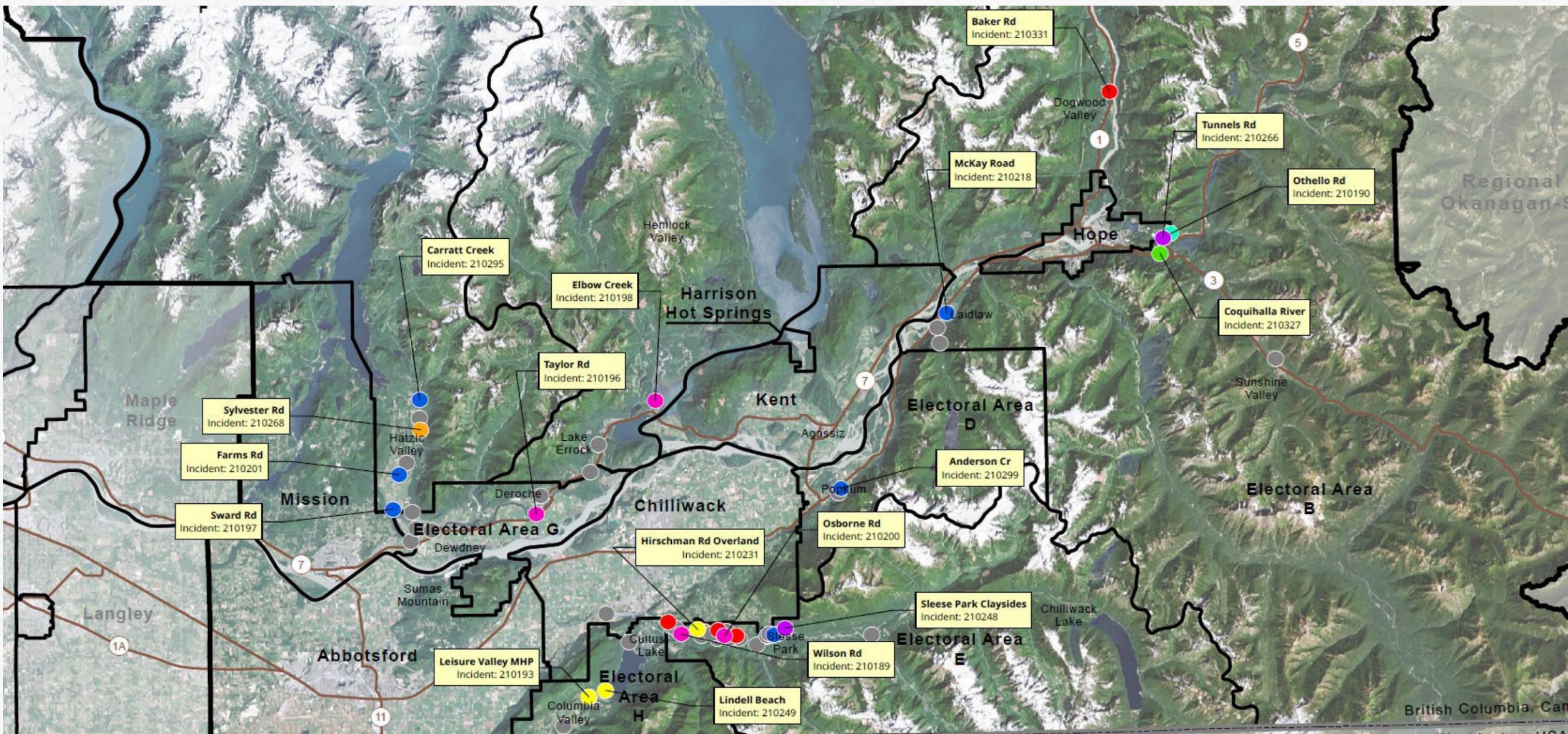


# FVRD: 8 Electoral Areas

- +10,000 km<sup>2</sup>
- Population +11,700
- Challenging Geography including – Major River Systems, Floodplains, Streams, and Slopes
- Multiple Critical Transportation Corridors

# Situation Report

- Three Atmospheric River Events – Nov. 14<sup>th</sup> to Dec. 2<sup>nd</sup>
- Multiple flood events
- Multiple landslide events
- Numerous other simultaneous incidents, including vast power outages, road closures, supply and logistics disruptions, and stranded travelers.



Snapshot – EOC GIS Dashboard – Tracking 60 + Incidents

# Broad Impacts

- 27 Evacuation Orders and Alerts Issued
- +2000 Properties Affected
- 700 Properties Subject to Evacuation Order
- Half EA Population Affected +5,600 People

# Damages

- FVRD Flood Infrastructure Damage

Wilson Rd. Dyke, Frosst Creek Dike, Debris Basins

- FVRD Parks

- Highway (#1, #7, #9)

- Other Critical Infrastructure:

Highways, Pipelines, Electrical Grid, Railway, and Other Critical Assets

- Estimated 300 – 400 Structures with damage (Multiple properties completely destroyed or deemed uninhabitable)

# Observations

- New Risk Profile: Escalated post-event risk in some places, reduced channel capacity, debris, changed/weakened slopes
- Increased overall risk from climate change & frequency and severity of disaster events.

# Observations

## Regional District Challenges:

- Large land area, small population, difficult landscape.
- Increased use of Airpark services for EM response.
- Complex jurisdictional overlaps (MOTI, FLNROD, EMBC, LG's, Private Infrastructure)
- Small tax base and restrictive financial structures
- Multiple cascading events across the region

# Observations

- EOC – technology improved in our EOC thanks to Provincial grants to create a dashboard for EOC
- Non-Profit Teams, and Community Members stepping up to assist (Team Rubicon, Multiple NGO + Charity Groups)
- Increased Regional Awareness for Emergency Response.
- Increased Advocacy for Regional/Provincial Flood Strategy, Orphaned infrastructure, Changes to DFA







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RESPONSE

FIRE RESCUE





