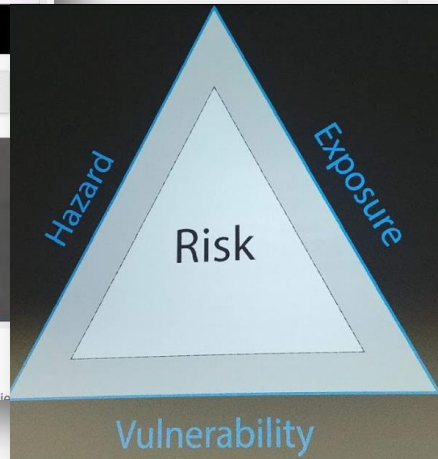
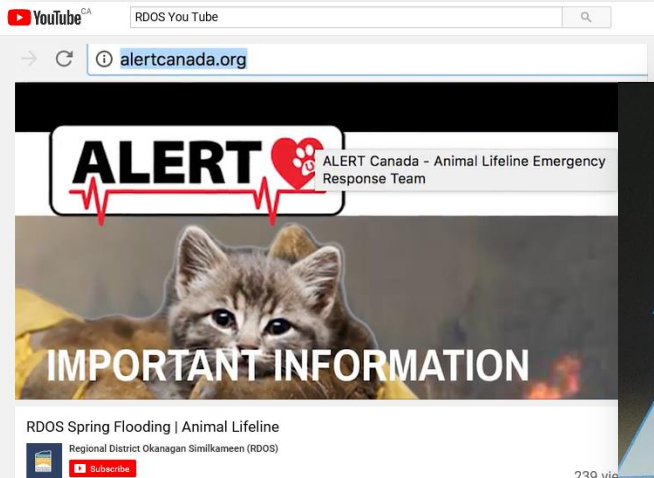


RDOS 2018 Floods and Fire

Coping with Climate Change & Adaptation



How are we doing?

Climate Adaptation and Local Government

- **Emergency Operations Centers (EOC)**
 - Activates in time of *emergency*
 - Relies on trained staff in specific roles
 - Deal with citizen's safety (alerts/evacuation orders)
 - Emergency Support Services (social) /Disaster Financial Assistance
 - Communications/media, on the ground support – i.e. sandbagging, recon, door to door
 - Requires employees to do their own work and work shifts in the EOC



Affects of Fires and Flood

Regular Staff Hours - 8:30 – 4:30 Mon – Fri

2017 = 2900 hrs = \$106K

2018 = 4819 hrs = \$177K

66% increase

EOC Overtime Hours - 4:30 to?? Plus weekends/holidays

2017 = 2700 hrs or \$184K

2018 = 4130 hrs or \$288K

53% increase

What Does That Look Like For 2018?

Wildfires: RDOS costs - \$318,723 (excludes municipalities and Bands)

- 93 Wildfires, including starts reported by BC Wildfire
- Approx. 6 wildfires prompted action by the RDOS EOC to initiate alerts / orders
 - Number is approximately (14) but in several situations, fires merged together to form larger fires or complex fires
- 40,185 Ha burned
- 40,122 Ha, was from those 6 fires

Flooding / Landslides: RDOS costs to Province \$7.5 million

- Approx. 6 dams ordered drawn down / at risk
 - Multiple debris jams and beaver dams created issues
- More than 9 lakes flooded
- More than 21 creeks / rivers caused flooding
- More than 10 incidents of landslide / debris flow

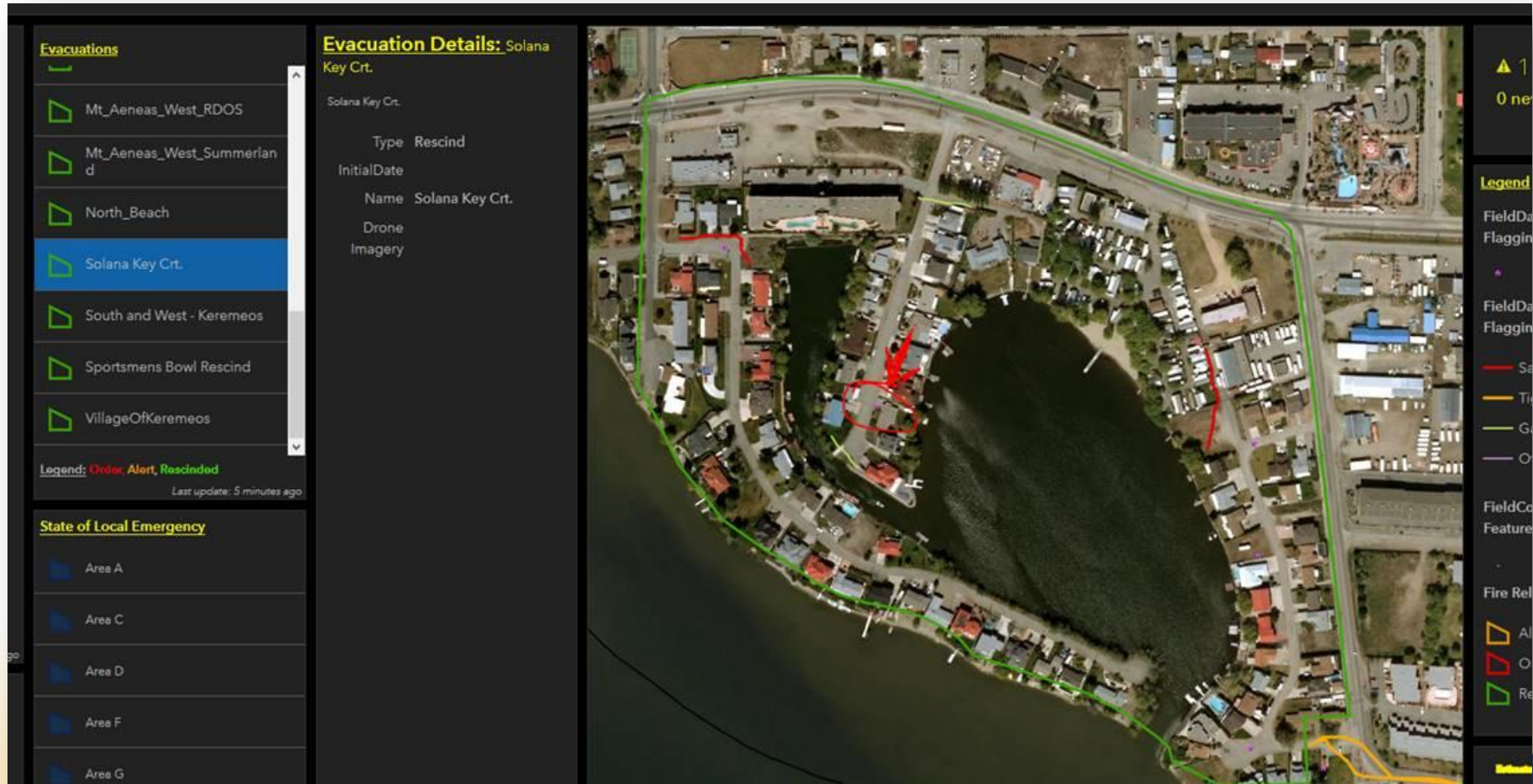
How Did We Cope? – Not Well



How Did We Cope? - Better



Better Yet....



The New RDOS Dashboard

Everyone Steps Up



The Toll on People?



Kevin Skrepnek, Chief Fire Information Officer



Those that had 'go kits' and were prepared suffered far less stress when evacuated



What Are We Doing?

Using all related **funding sources** we can access

- Wholesale valley-wide Lidar and imagery for flood construction level amendments. Floodplain mapping, infrastructure grants, Capital Asset Management Planning, Region-wide Drought and Flood Risk Planning

Re-visioning the Operations of the RDOS EOC in recognition that this is the new normal not infrequent anomalies

- IT/GIS designed new *interactive ‘Dashboard’*
- Bringing in partners , building relationships with new partners

Working at being **better communicators** ‘before, during and after emergencies’

- Civic Ready, workshops, printed materials

Partnering with Provincial Climate Adaptation Projects to assist agriculture to be ready and adapt

- Agriculture is most often the first affected by changes to climate; crops, pests, floods and wildfire

Reviewing all facets of our Emergency Planning and Management

Summary

- There is always a need to improve how we activate, run the EOC and liaise with others
- There is a fact based fear that year-round Emergency Management will become more common
- Funding, funding, funding,
- Burn out – capacity issues

Thank you



Twin Lakes – May 20th 2018 (Dawn is standing on a road already built up 3 feet)