

Calgary

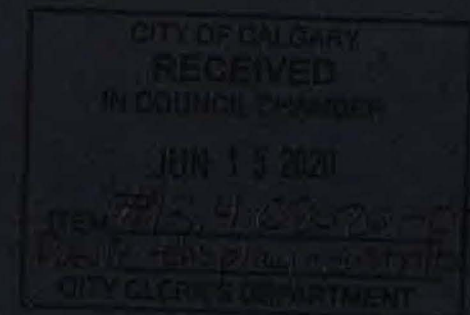


Photo: Twitter @langancapdesire

JUNE 13, 2020 SEVERE WEATHER EVENT

June 15, 2020

Calgary Emergency Management Agency



Disaster Risk Report – Severe Summer Storms

Heavy Rain: Calgary Overview



<div><div><div>Risk Consequence Scoring</div></div><div><div>This represents the potential consequence of the hazard event within each assessed category. Highest consequence is furthest from center.</div></div></div>	Consequence	Moderate
	Likelihood	Likely
	Risk Level	High
	Risk Trend	Increasing
	Expected Event Duration	Minutes to several days
	High-Risk Season(s)	May to September (with late May to July being most likely)
	High-Risk Areas	Anywhere
	Lead Organization	Environment and Climate Change Canada

Date: CEMA's 2018 Disaster Risk Report

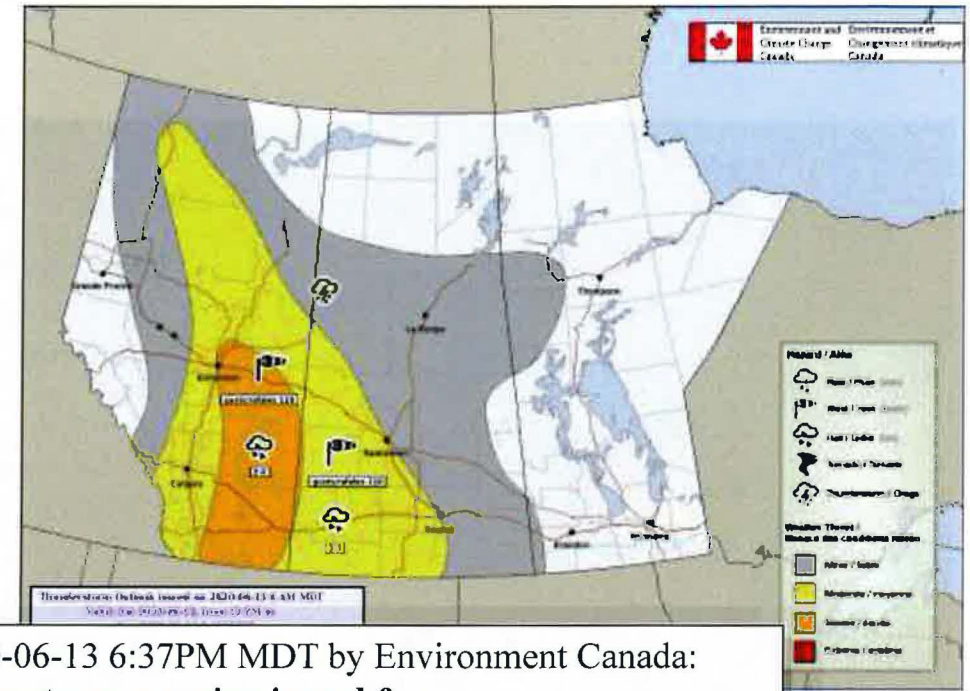


Advance Warning

Environment and Climate Change Canada (ECCC)

Thunderstorm Outlook Forecast

- Provided regularly to CEMA, Roads and Water
- Initial notification to CEMA, Water and Roads on Friday June 12 at 14:17
- Second update provided on June 13 at 04:37
- Calgary was placed under a Severe Thunderstorm Watch at 11:33am on Saturday June 13.
- Calgary was upgraded to a Severe Thunderstorm Warning at 6:37pm.



Issued at 2020-06-13 6:37PM MDT by Environment Canada:
Severe thunderstorm warning issued for:

City of Calgary, Alta. (072400)

Current details:

At 6:37 p.m. MDT, Environment Canada meteorologists are tracking a severe thunderstorm capable of producing very strong wind gusts, up to nickel size hail and heavy rain.

This storm located 20 km south of High River is moving northward at 60 km/h.

Large hail can damage property and cause injury.

If visibility is reduced while driving, slow down, watch for tail lights ahead and be prepared to stop. Lightning kills and injures Canadians every year. Remember, when thunder roars, go



Advance Warning

Communications

- City of Calgary Communications provided ongoing social media communications to support public safety



City of Calgary ✓
@cityofcalgary



Environment Canada reports severe hail in YYC over the next few hours. Please move your vehicles indoors, if possible. Be safe.

7:16 PM · Jun 13, 2020 · [Salesforce](#) - [Social Studio](#)

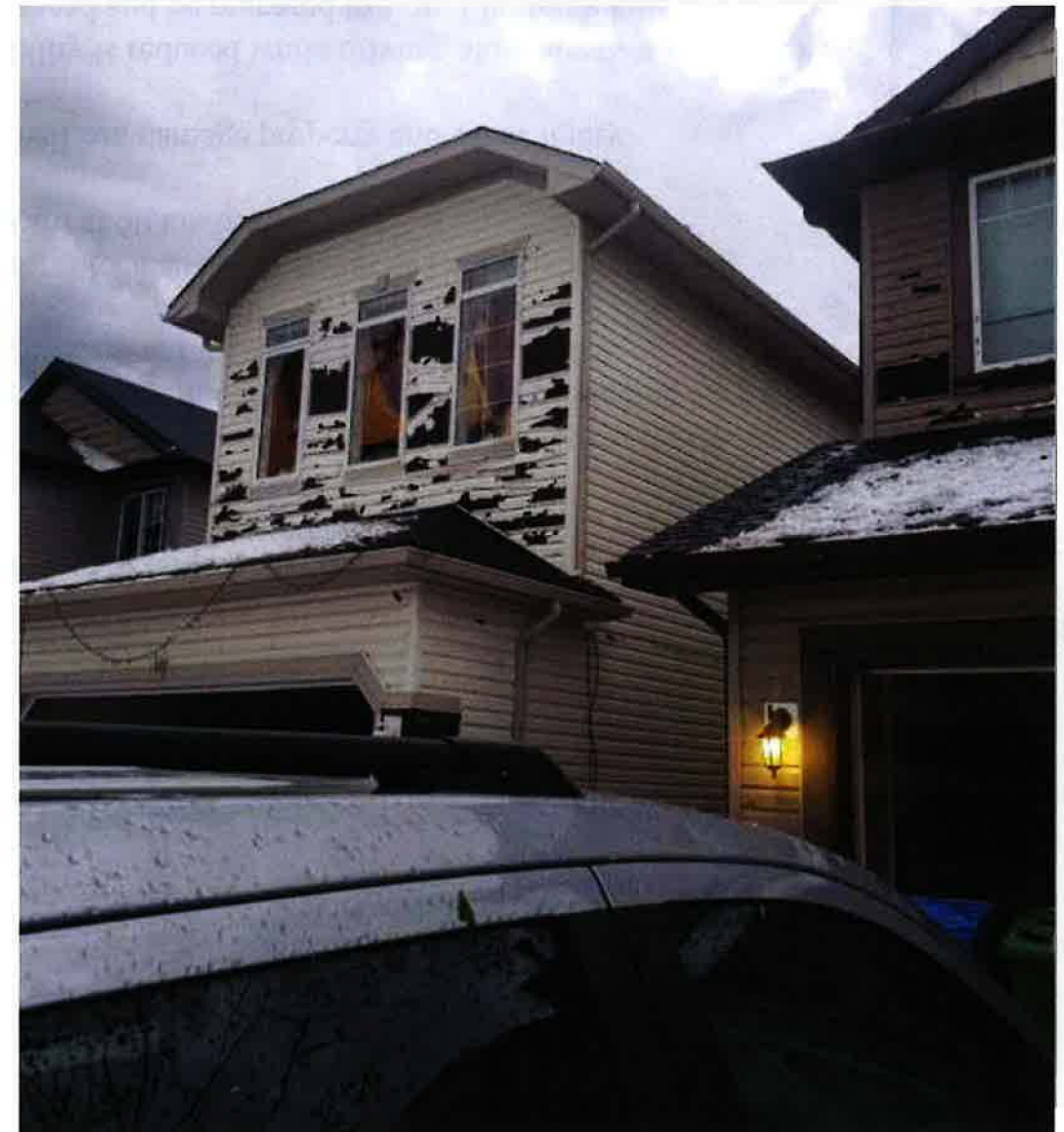


City of Calgary ✓
@cityofcalgary



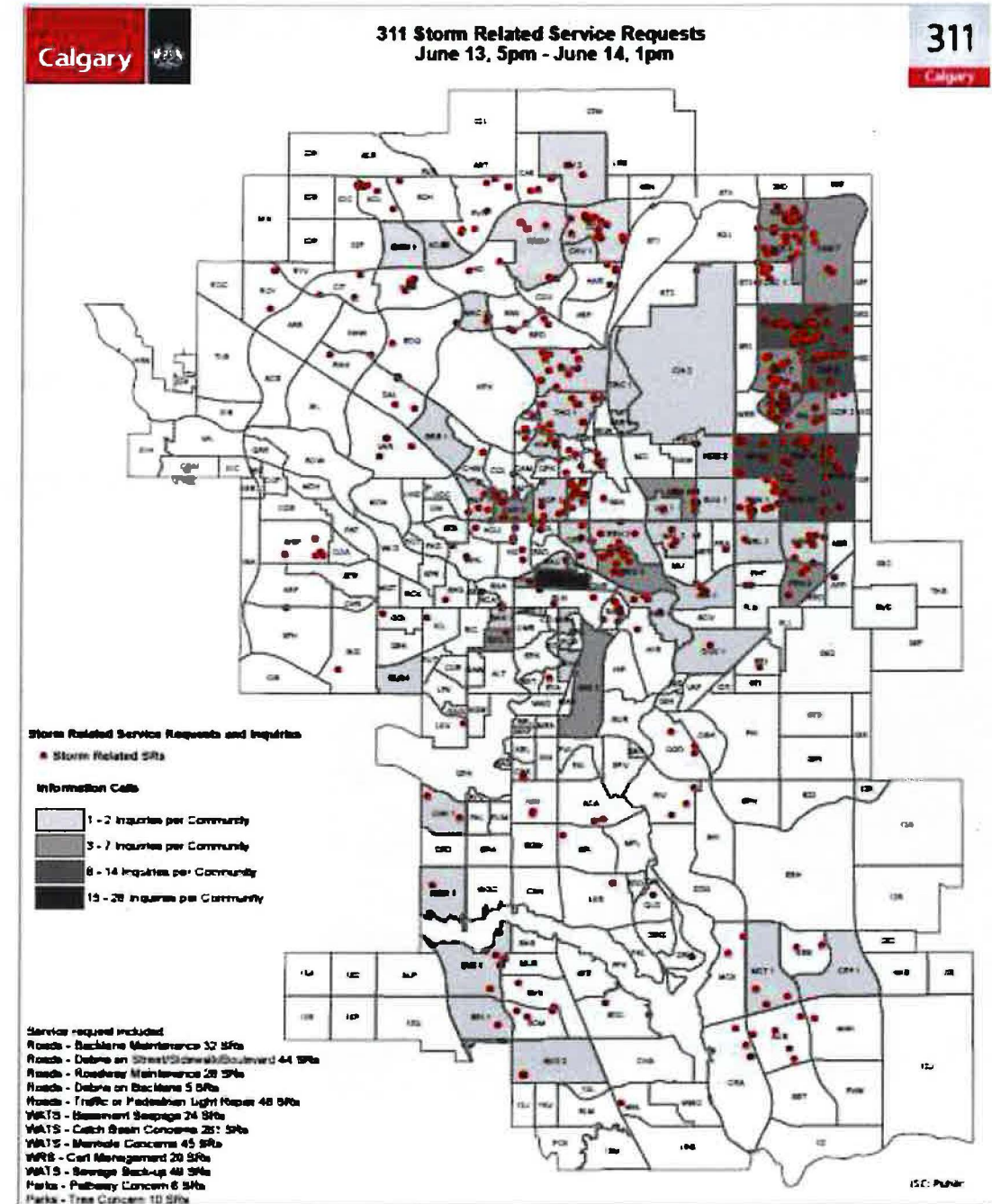
911 is experiencing a high level of call volumes. Please don't hang up. Stay on the line. Calgary Fire will attend as soon as possible.

8:18 PM · Jun 13, 2020 · [Salesforce](#) - [Social Studio](#)



Overview of Event

- A severe thunderstorm struck Calgary just after 19:00 Saturday June 13th
 - i. Tennis ball-sized hail and intense rain breaking windows, destroying siding and damaging vehicles
 - ii. Flooded Calgary streets and caused widespread damage to many areas of the City
 - iii. Hardest hit was the NE quadrant of the city.
 - iv. This type of pluvial flooding associated with intense short duration rainfalls are common in Calgary during warm summer days and warning time associated with it is very short





Impacts

Calgary 911

- Calgary 9-1-1 received an extremely high call volume.
- At the height of the storm:
 - 25 emergency 911 calls queued waiting to be answered.
 - 60 calls waiting to be dispatched pending resources.

Calgary International Airport YYC

- Damage to one of its causeways and water penetration into the facility.
- McCall Way NE at 78th Avenue was flooded and impassible removing access to the Westjet facilities.
- Water Resources reported a temporary issue with the Airport Tunnel Lift station.

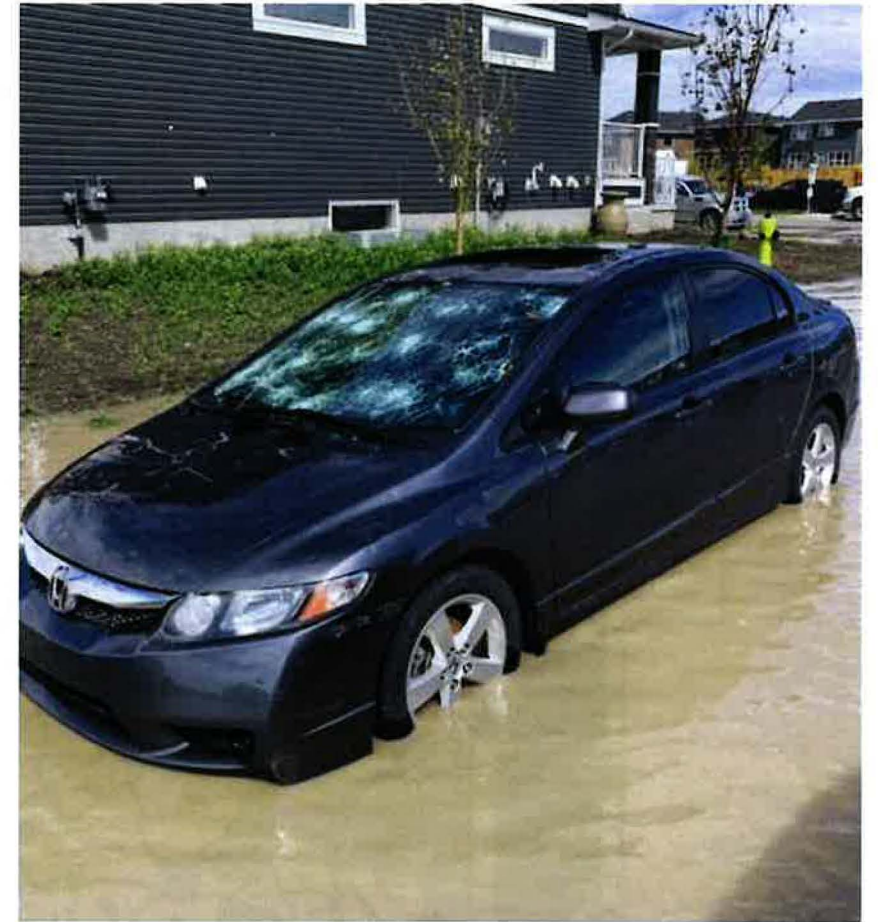


Photo: Twitter (@chris_ravary)



Impacts

ENMAX Energy

- 15,000 customers without power at the peak.
- Off duty crews called in.

Emergency Services

- High Call Volume.
- EMS Stonegate Station flooded and evacuated.
- Calgary Police headquarters and vehicles damaged.

City of Calgary Facilities - FM

- Numerous City facilities with damage.

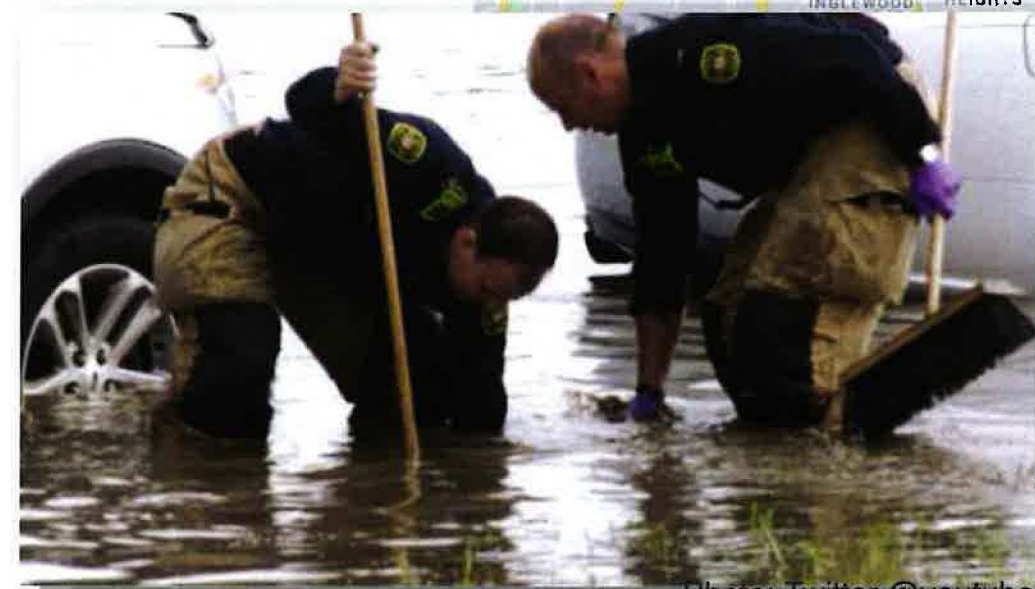
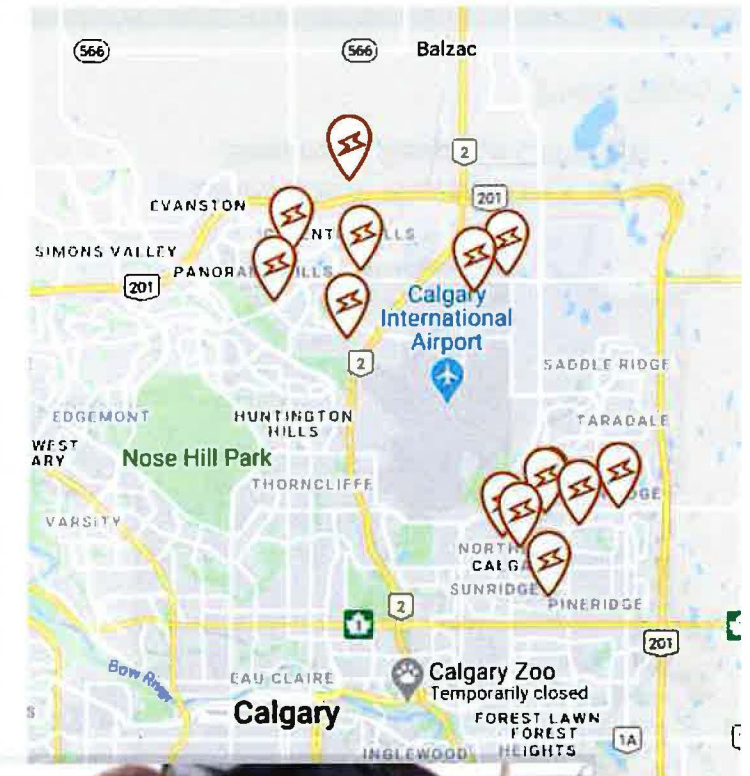


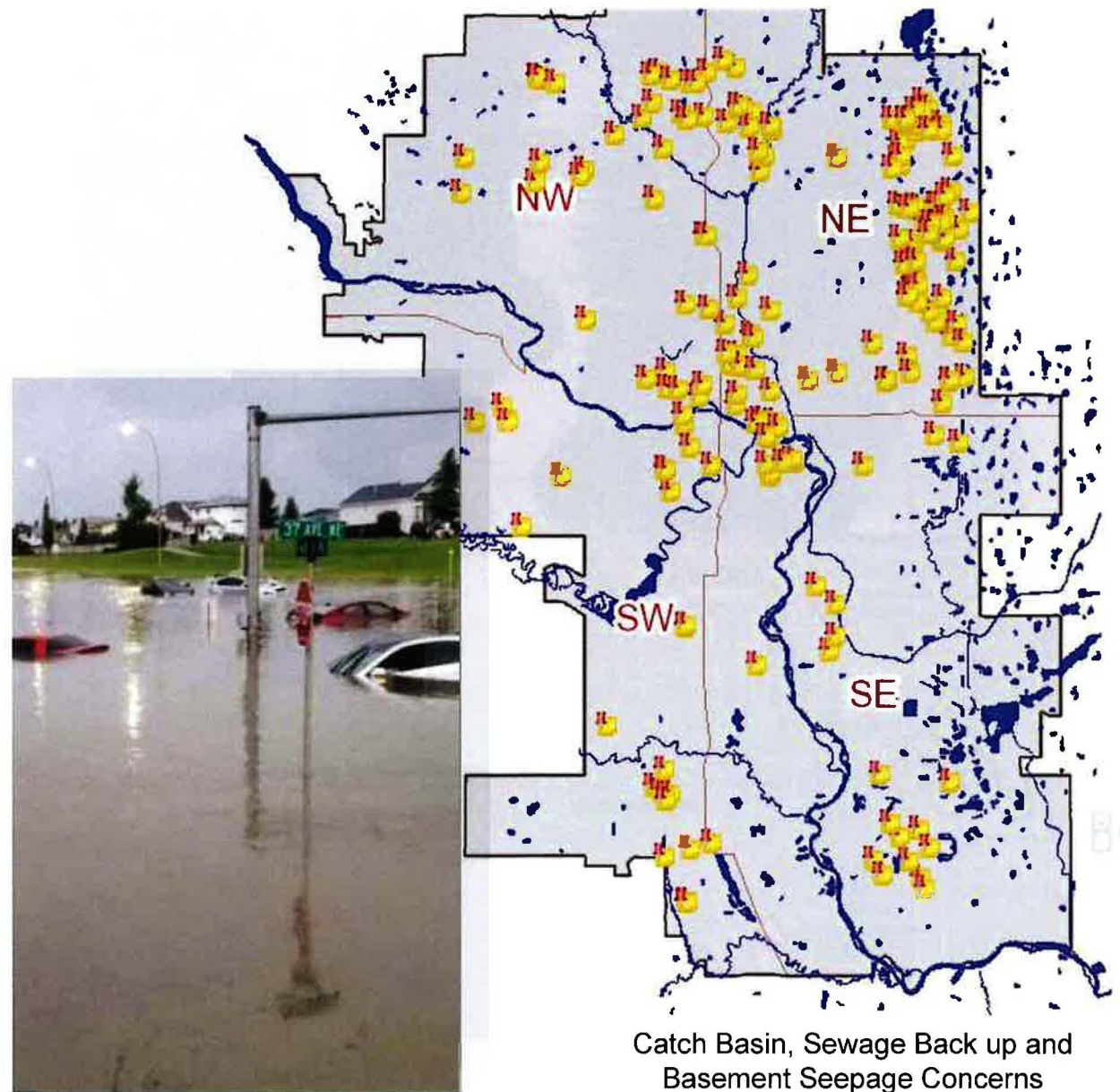
Photo: Twitter @youtuberarent

Water Services/Resources

No major damage to water infrastructure

- Sewer Back ups – 58 service requests across 25 communities
- Manhole Concerns – 48 service requests created across 29 communities
- CFD, Water worked through Sunday to clear most of the 261 catch basins
- Basement Seepage Concerns - Ongoing
- Storm Pond Concerns 4 services requests – Ongoing

Service request data: Sat June 13 AM until approximately 1300 June 14



Catch Basin, Sewage Back up and Basement Seepage Concerns

Photo: Twitter (@IanSeggie)

(Photo: Calgary 311)

CEMA

- CEMA works with Environment Canada regularly monitoring for severe summer storms. Daily thunderstorm outlooks are produced and distributed to CEMA, Roads and Water.
- ECCC weather warnings are immediately distributed to CEMA Agency members
- CEMA was in contact with the Critical Weather Centre ahead of and throughout event.
- CEMA monitored situational status.



Photo: CEMA



Calgary



Questions

Photo: CEMA