

Disaster Risk Assessment Summary 2026

Appendix 1: Risk Assessment Results

Assessed risk for all 67 hazards and threats analyzed in the current Disaster Risk Assessment.

High Risk	Critical Infrastructure Failure Critical Technology Failure or Disruption Cyber Attack - Critical Services or Infrastructure Dam Breach (Bow River) Dam Breach (Elbow River) Extreme Cold Extreme Heat Flood (Bow River > 1:200) Flood (Elbow River >1:200) Heavy Rainfall Illegal Protest or Demonstration	Major Sanitary Failure Mass Attack Mass Gathering Incident Pandemic Rail Incident Sanitary Failure (Sludge Forcemain) Sanitary Lift Station Forcemain Failure Tornado Treated Effluent Water FM Failure (purple pipe) Water Distribution Infrastructure Failure Winter Storm
Medium Risk	Active Assailant Aircraft Incident Basement Seepage Flooding Bridge Failure/Interruption Cybercrime - Data Fraud/Theft Electric Power Blackout Extreme Hydrological Drought Extreme Solar Storm Flood Bow River (1:100) Hailstorm Hazmat Incident Industrial Accident Lightning Storm Loss of Major Transportation Corridor Major Solar Storm Moderate Pandemic	Poor Air Quality Road Accident Security Incident at City Facility Slope Failure/Landslide Stormwater Backup Flooding Structure Fire Supply Chain Interruption Supply Emergency (Natural Gas) Telecommunications Failure Thunderstorm Transit Rail Incident Water Contamination (Distribution) Water Contamination (Downstream of Reservoirs) Wildland / Urban Interface Fire Windstorm
Low Risk	Earthquake (Magnitude 4.0+) Flood Elbow River (1:100) Flood (Ice Jam) Fog Gas Main Break Hostage Incident Ice Accumulation	Labour Action Pipeline Incident (AER Lines) Pipeline Incident (TNPL to YYC) Riot Water Contamination (Spills Upstream Glenmore) Water Contamination (Spills Upstream Bow Intake)
Very Low Risk	Treated Effluent Water Pump Station Failure	