

Weather Risk Management Checklist

1. Pre-Event Planning

- ☐ Monitor Environment Canada & WeatherCan app daily leading up to the event
- ☐ Identify local safe shelters and evacuation points
- ☐ Assign roles: Who is responsible for weather monitoring & decisions
- ☐ Inform participants of cancellation procedures and how updates will be shared
- ☐ Post weather updates at registration and entrance areas (or online for club rides)

2. Lightning / Thunder

- ☐ Monitor for lightning using flash-to-bang method
- ☐ If thunder or lightning occurs:
 - ☐ Evacuate course and direct participants to shelter
 - ☐ Begin 30-minute delay timer after last thunder/lightning
- ☐ No outdoor activity until 30 minutes have passed since last occurrence
- ☐ Reschedule or cancel if lightning persists

3. Visibility

- ☐ Check visibility:
 - ☐ <1 km = Consider cancellation
 - ☐ <100 m = Cancel all activity
- ☐ Ensure participants are visible (lights, reflective clothing if applicable)

4. Wind

- ☐ Check wind speeds:
 - ☐ 30–39 km/h = Consider cancelling
 - ☐ ≥40 km/h = Cancel event
- ☐ Monitor for airborne debris or unsafe course conditions

5. Extreme Heat / Humidex

- ☐ Check temperature and humidex:
 - ☐ 35–39°C = Strongly consider cancellation
 - ☐ ≥40°C = Cancel all activities
- ☐ Provide shaded areas and water stations
- ☐ Schedule for cooler parts of the day
- ☐ Watch for heat illness symptoms (e.g., dizziness, nausea, cramps)

6. Extreme Cold

- ☐ Check temperature including wind chill:

- ☐ $\leq -20^{\circ}\text{C}$ = Cancel all activities
- ☐ Watch for signs of frostbite or hypothermia
- ☐ Encourage layers and proper cold-weather gear

7. Air Quality (AQHI)

- ☐ Check AQHI index:
 - ☐ 1–3 = Ideal
 - ☐ 4–6 = Reduce intensity or reschedule
 - ☐ 7+ = Cancel or move indoors
- ☐ Inform at-risk participants (asthma, children)
- ☐ Use visibility as backup indicator ($\leq 4\text{km}$ = unhealthy)

8. Other Conditions (rain, hail, snow, etc.)

- ☐ Assess course conditions (slippery, flooded, obscured)
- ☐ Watch for:
 - ☐ Freezing rain
 - ☐ Snow accumulation
 - ☐ Hail / body impact risk
- ☐ Cancel if unsafe or if venue damage likely

9. Communication & Decision Logging

- ☐ Final decisions made by:
 - ☐ Lead Commissaire or Event PCP
 - ☐ Club Ride Leader or Event Organizer (recreational)
- ☐ Notify all participants of decisions and timeline
- ☐ Record time, decision, and rationale in event log