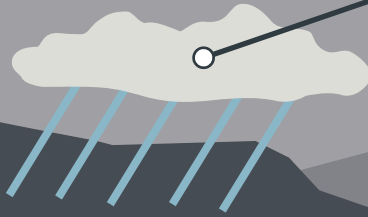


# LANDSLIDES

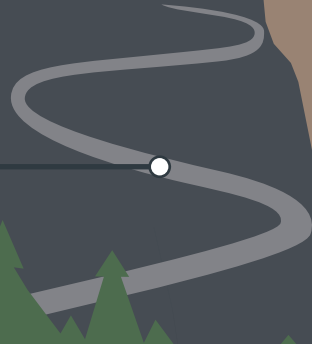
Movements of earth, rocks, trees, and debris down a slope

Landslides can be triggered by rain, snowmelt, or earthquakes



Landslides are more likely to occur after periods of prolonged rain and snowmelt, or in years following forest fires

Landslides can be triggered by human-made land changes, such as roads, fill placement, or excavations



Landslides can occur with little warning



Landslides can bury or destroy houses



Houses on or near hillsides are at greatest risk



Landslides can reach speeds faster than cars



Landslides can sweep away or crush cars



Landslides can impact areas far from their source



PROTECT YOURSELF FROM

# LAND- SLIDES

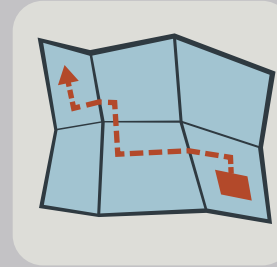
BEFORE

**Stay  
informed**



Keep updated with evacuation alerts, road closures, and weather advisories, such as heavy rainfall warnings.

**Prepare and  
plan**



Prepare an emergency kit for your home, vehicle, and workplace. Plan a safe evacuation route and muster point. Know which rooms are safest if you have to shelter in place.

**Know  
the signs**



Look/listen for fallen debris, moving and cracking trees, shaking ground, and a loud roar (sounds like a train or helicopter).

**Safe  
home design**



Put high occupancy rooms like bedrooms on the top floor and on the downhill side (away from slopes).

DURING

**DECISION:  
evacuate**



If you believe your life to be in imminent danger and you see a clear path to safety, evacuate. Get away and to higher ground as fast as you can.

**DECISION:  
shelter**



If it is unsafe to evacuate, shelter up and away. Climb to the top floor or on the roof. Shelter on the downhill side, away from the slope. Avoid basements.

**Shelter in a  
closet**



If you cannot escape vertically, small rooms like closets can offer additional protection from collapse if your home is buried.

**Shelter in  
your vehicle**



If you cannot drive away safely, shelter in your vehicle. Your vehicle may provide some protection from a landslide impact.

**DO NOT exit  
out of curiosity**



Seek shelter instead of investigating the situation. Only go outside if you have to evacuate.

**DO NOT cross  
debris**



Crossing fallen debris is very dangerous since more debris could come down. Take a route away from the slope and debris.

AFTER

**Assume more  
will come**



Debris may continue to slide since the slopes are unstable. Subsequent landslides may be more severe than the previous.

**Make noise  
if buried**



Shout or tap on something so search and rescue can locate you faster.

**If safe, help  
neighbours**



Help evacuate your neighbours when it's safe to do so, and offer assistance to search and rescue personnel.

**Obey  
closures**



Evacuation orders and road closures must be taken seriously. Only return when local authorities declare it safe to do so.

## NOTES

BGC Engineering Inc. (BGC) prepared this infographic with artwork by Sophia Zubrycky. This infographic depicts some measures that may help to lower but not eliminate certain kinds of risk associated with landslides. Simply following the measures shown in this infographic does not make it safe to occupy areas at risk of landslides. Even if the measures shown in this infographic are taken, landslides may still cause serious personal injury (including death) or property damage. BGC provides no guarantee or warranty of any kind related to the information in this infographic. Persons and entities using or relying on this infographic do so at their own risk. BGC will not be responsible or liable for any loss or damage including any personal injury, death, or property damage that any person or entity may suffer or sustain as a result of the information in this document, or any use of or reliance on this document.

Information on life loss risk reduction in case of landslide impact is informed by Pollock, W., and Wartman, J. (2020) Human Vulnerability to Landslides. GeoHealth, 4, e2020GH000287. <https://doi.org/10.1029/2020GH000287>.

Photo references:  
[Top right] Wildfire. Photo: Shutterstock.  
[Middle right] House buried by Johnsons Landing landslide, BC. Photo: CBC. Available from: <https://www.cbc.ca/news/canada/british-columbia/johnsons-landing-evacuation-order-lifted-2-years-after-fatal-landslide-1.2723388>  
[Bottom left] Landsliding in Petropolis, Brazil. Photo: AP Photo/Silvia Izquierdo.  
[Bottom right] Car swept away by debris on the Coquihalla Highway, Hope, BC. Photo: THE CANADIAN PRESS/Jonathan Hayward.