



Geotechnical Hazards

Brochure

Planning Department

Regional District of Central Kootenay

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rdck.ca/hazards





What are Geotechnical Hazards (GHs)?

GHs are earth movements that present risks to human health and safety. Some examples include landslides, debris flows, erosion and floods

How do GHs affect me?

Risk to humans and damage to property can result from hazards. This damage is often preventable and the costs to clean up and repair damages from GHs can be considerable

In areas with identified hazards, a Geotechnical Report prepared by an Engineer may be required prior to building or subdividing to prevent unnecessary risk

How am I protected against GHs?

Provincial law requires that all new development must occur on sites which are safe from GHs or in a way which ensures safety from these hazards.

The RDCK has done the work to identify some hazard areas. These can be seen here: www.rdck.ca/webmap

When do I need a Geotechnical Report?

If you are in an area subject to GH such as a Non-Standard Flooding and Erosion Area (NSFEA), a geotechnical report may be required

Reports are required at the time of subdivision. It may

also be required before a Building Permit (BP) is issued for construction, additions and structural alterations

What do Geotechnical Reports say?

Geotechnical reports outline various things including special siting, structural design, landscaping, landfill, or other conditions to be met

It is important to note that if the report determines that the land may not be used safely for the use intended, you will not be issued a BP

What are NSFEAs?

NSFEAs are areas where standard flood proofing conditions are not adequate to provide the necessary level of protection against flooding, erosion or debris flow

There are different designations of NSFEAs which are indicated by a S, 1, 2, E, F, G or P rating

Do I need a Geotechnical Report to build in a NSFEA?

If you are in a NSFEA rated E, F, G or P, you will be required to obtain a geotechnical report prior to works

Helpful Links

www.rdck.ca/webmap

www.rdck.ca/floodplainbylaw

www.rdck.ca/planningproceduresbylaw

www.rdck.ca/developmentapplication

Contact Information

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This information package reflects the background and process when this document was created. It may be subject to changes at any time. For details of all regulations, and to determine whether the process has changed, please consult the relevant Bylaws, the Local Government Act and the Planning Department.