



## Geotech Required?

Geotechnical Report (Bank Stability)

As per Provincial Planning Regulation 5.2.2.c,

“In areas where the flooding and erosion risks cannot be readily defined, the required set-back for permanent structures from water bodies be at least 10 times the height of the bank above the normal summer water levels or 30M (98.5’), whichever is greater, unless a geotechnical engineering investigation shows that the setback may be altered without creating any additional risk.”

If the above conditions are not met the Lac du Bonnet Planning District requires a sealed geotechnical report to be provided indicating a factor of safety of 1.5 or greater against slope movement under normal conditions at the proposed location of the structure. The report shall be prepared and submitted under the signature and seal of a qualified professional engineer that is skilled in geotechnical engineering, and legally entitled to practice in the Province of Manitoba.

A factor of safety of 1.5 is best practice under normal conditions for the setback of critical infrastructure, such as a residence or cottage on a river bank in Lac du Bonnet and many other locations. Please note there is always mitigating circumstances where a lower factor of safety may be acceptable and depend upon geotechnical engineering judgment.