

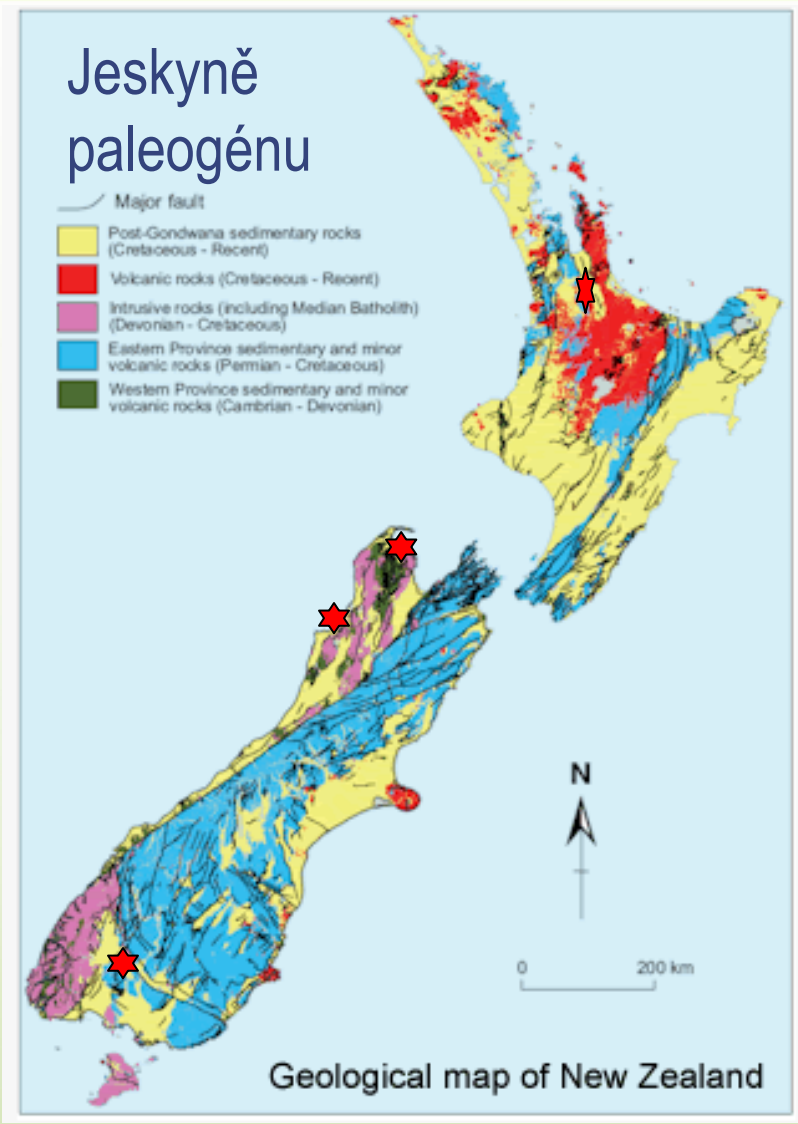
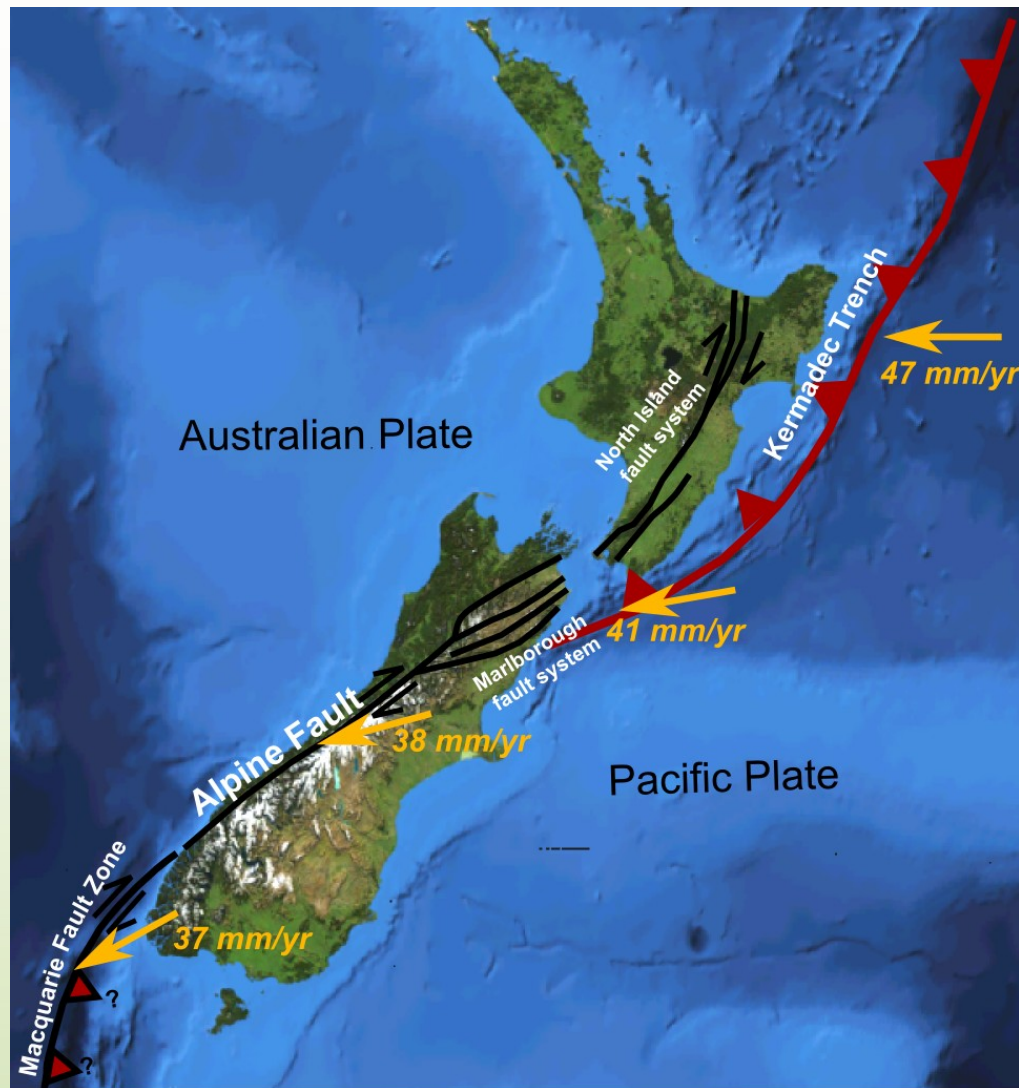


# PALEOGENNÍ KRAS NOVÉHO ZÉLANDU

Jiří Otava

Česká geologická služba  
odbor Geologie Moravy

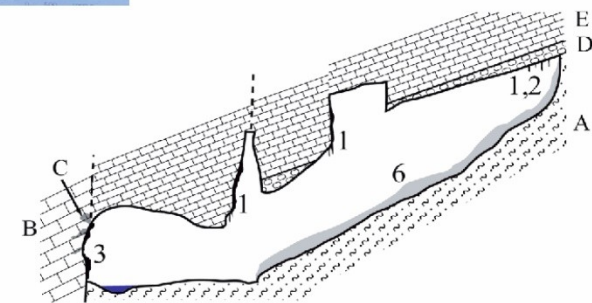
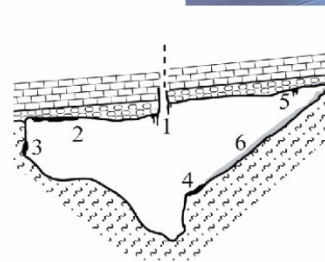
*Základy speleologie 2023*





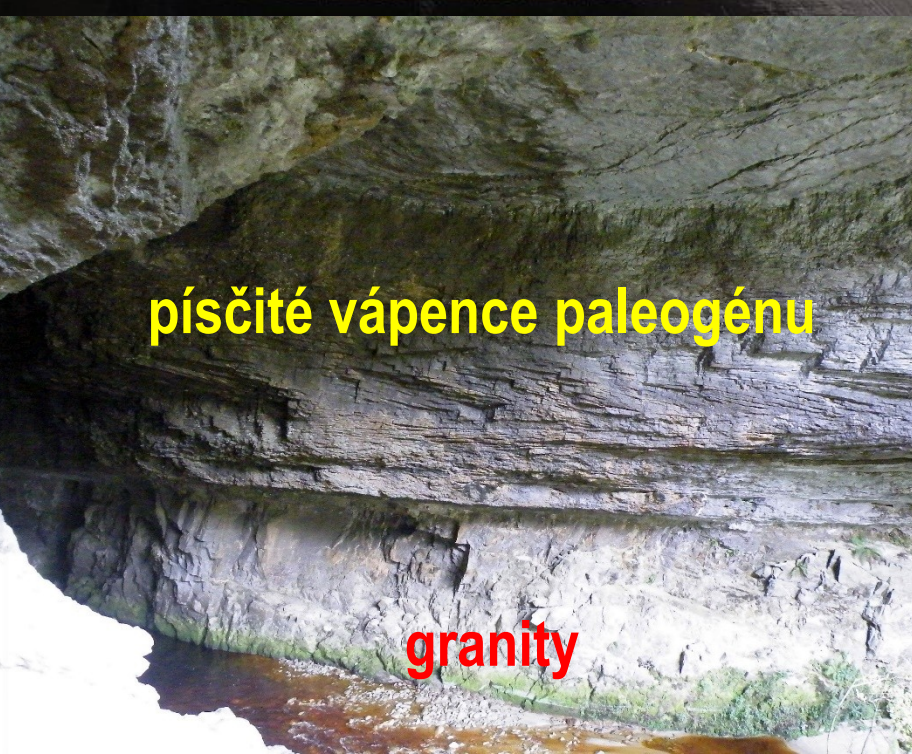
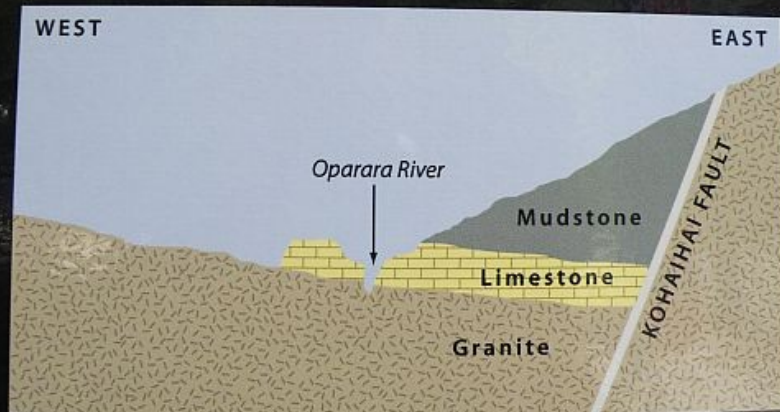
# Jeskyně IZA Mt. Rodnei, Rumunsko

Kontakt svorů-rul a paleogenních vápenců





The band of exposed limestone that occurs here in the Oparara Valley (rarely more than 800 metres wide) runs for almost the entire length of the Oparara River.





rvey



## Malý oblouk vtok

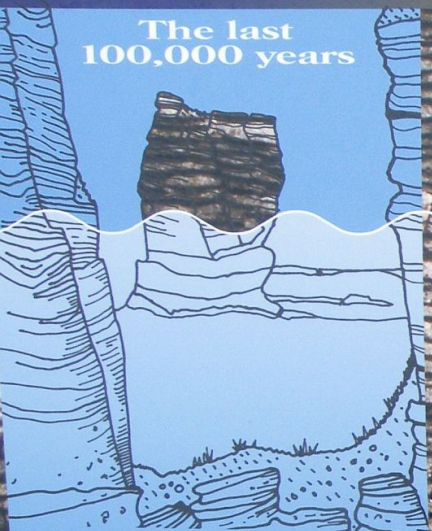


## Malý oblouk odtok



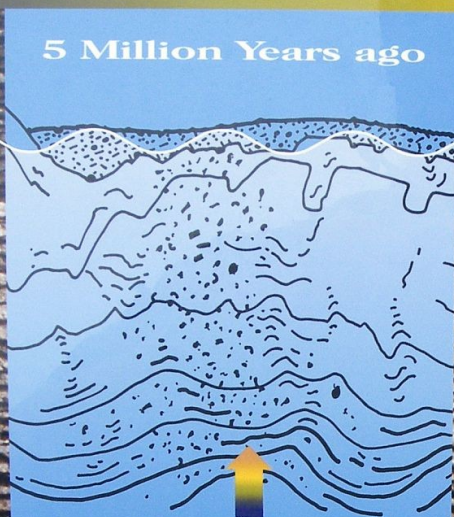
# JOURNEY —▶ BACK —▶ IN —▶ TIME

The last 100,000 years



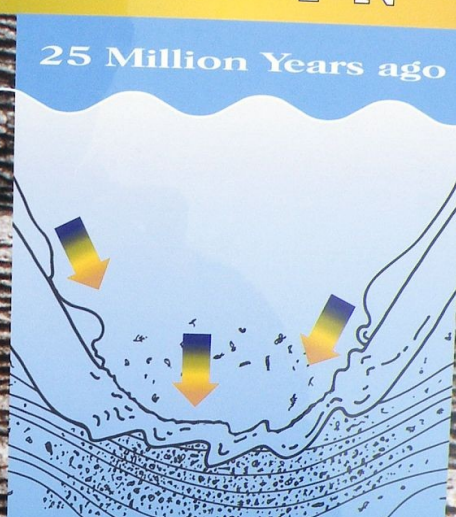
*Erosion*

5 Million Years ago



*Uplift*

25 Million Years ago



*Formation*

35 Million Years ago



*Sea Floor*

able theories with us as you journey around the rocks.  
apes, created by geological processes over millions of years.  
boom of the sea, wind or rain, sculpting the pancakes of Punakaiki.

T S E O R E T C







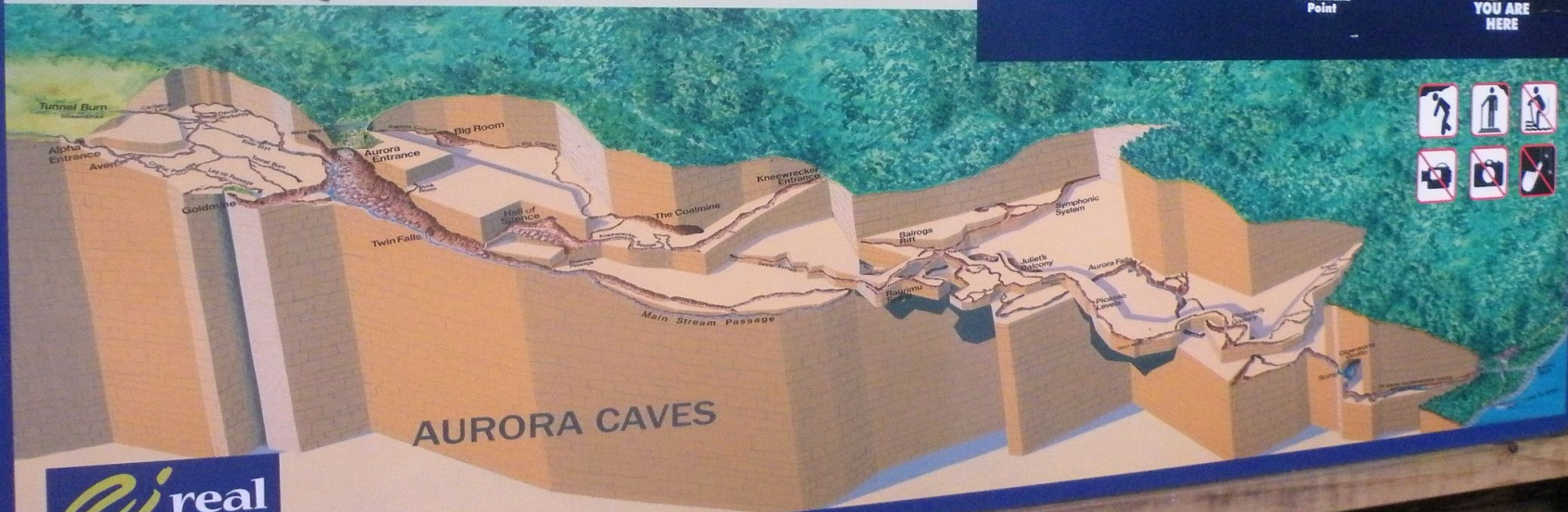
# WELCOME TO THE TE ANAU GLOWWORM CAVES

The Tunnel Burn (stream) flowing through the Te Anau Glowworm Caves originates from Lake Orbell in the Murchison Mountains.

The Te Anau Glowworm Caves (250 metres long) are the lower part of the much larger Aurora Caves system. This system (6.7 kilometres) comprises four levels of interconnecting passages.

The Aurora Caves system, carved in limestone by water erosion and chemical reaction, is dated at 30-35 million years old. This process of cave formation is still continuing.

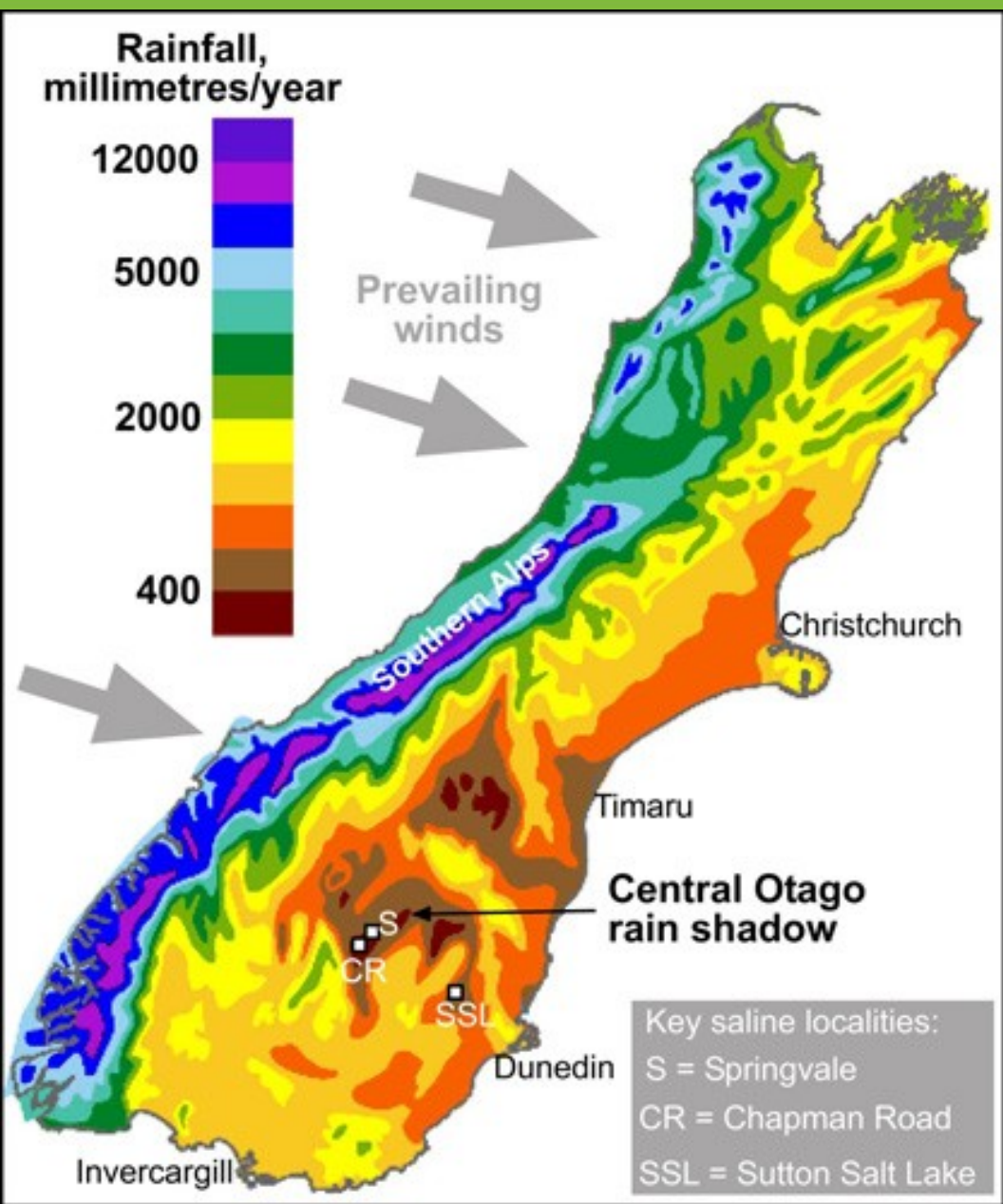
The lower and more recently formed Te Anau Glowworm Caves section is dated at less than 12,000 years old, making it young in geological terms.











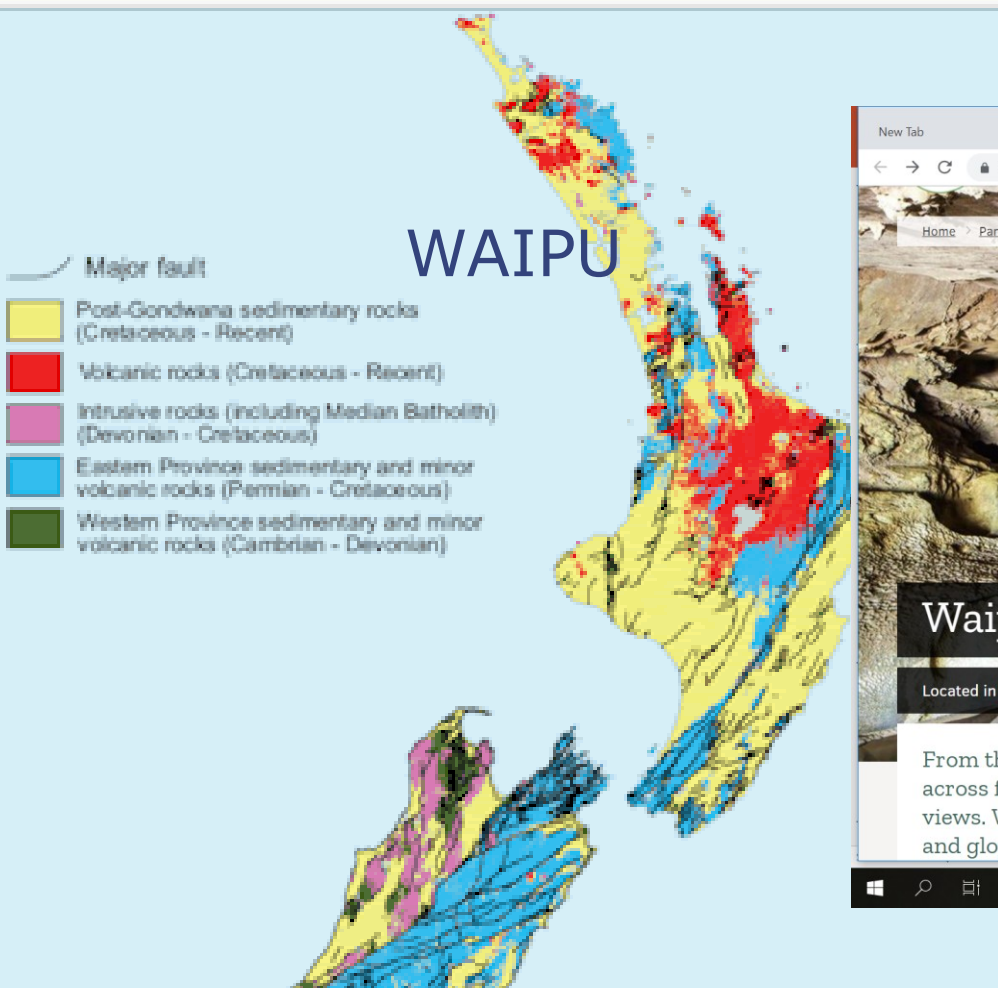












New Tab x MyWay x Waipu Caves Track: Waipu area. x +

https://www.doc.govt.nz/parks-and-recreation/places-to-go/northland/places/waipu-ar...

Home > Parks & recreation > Places to go > Northland > Waipu area > Waipu Caves Track

## Waipu Caves Track

Located in [Waipu area](#) in the [Northland](#) region

From the caves, a 2-km walk leads you through a picturesque karst limestone landscape across farmland and regenerating bush to a point where you can take in the magnificent views. Within the entrance to the caves themselves, you will find stalactites, stalagmites and glow worms.

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The limestone is moderately hard and fine grained and composed of around 80% calcium carbonate. It is a coarse rock, composed of foraminifera (tiny calcareous sea dwelling creatures) and broken shell fragments, with many recognisable fossils. It probably formed as a shell bank in a shallow sea, thus preserving its structure.

Acid dissolved in percolating groundwater has slowly sculpted the caves, which now form a magnificent cavern, easily accessible near the entrance. Take care around the entrance as the rock can be slippery where water dripping from stalactites has left a wet film on the rock below.





















Základy speleologie 2023