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The Journey of Water: Teachings from Mother Earth about Water and Clay

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Teaching Each Other

Indigenous Knowledge (IK)
Dominant Theme
(Description & Relationship)

Western Knowledge (WK)
Dominant Theme
(Definition & Repeatability)

IK System Understanding
a) General IK description
b) Specific IK product
c) Western understanding

WK System Understanding
a) General WK description
b) Specific WK product
c) Indigenous understanding

Recognition



Understanding



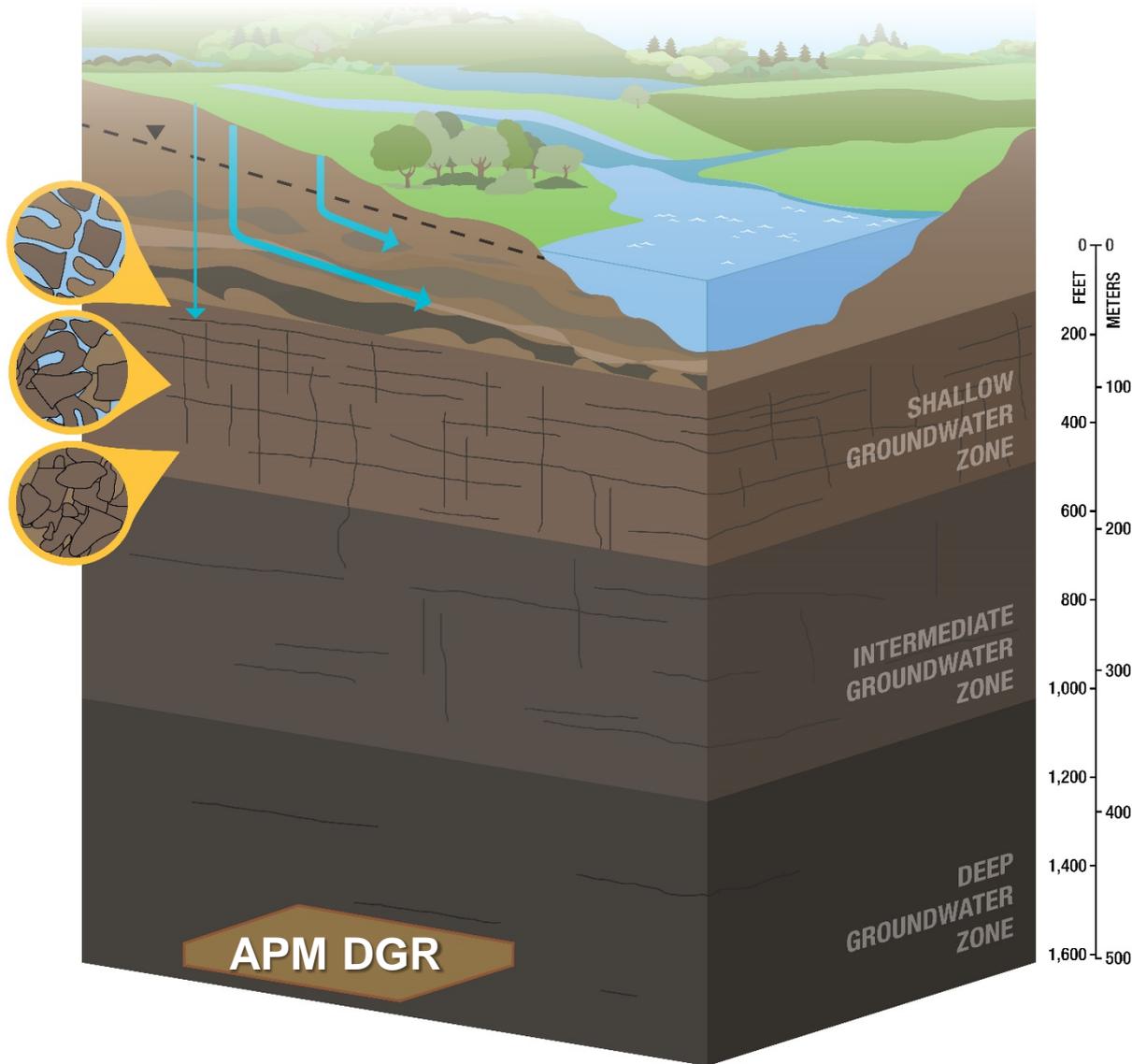
Informed Understanding



Informed Decision Making

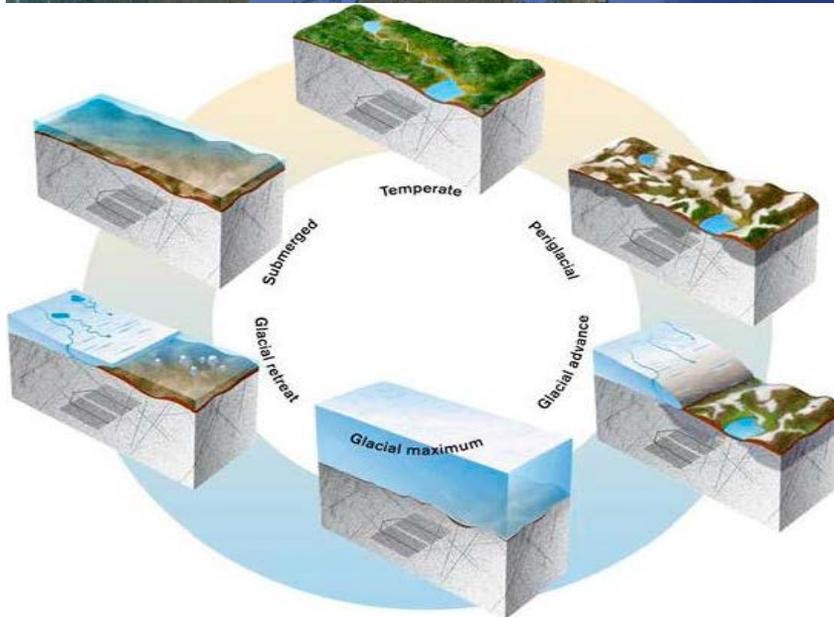


The Journey of Water



- Low groundwater movement at repository depth
- Favourable chemical composition of water at repository depth
- Resists changes from earthquakes and ice ages

Greenland Analogue Project



Clay

UBC News



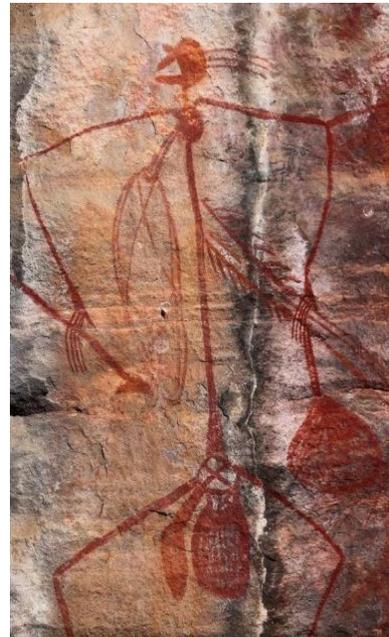
First Nations' ancient medicinal clay shows promise against today's worst bacterial infections

Jan 26, 2016 | For more information, contact [Chris Balma](#)



UBC researchers Julian Davies and Shekoo Behroozian with a bucket of clay.

Naturally occurring clay from Kisameet Bay, B.C. — long used by the Heiltsuk First Nation for its healing potential — exhibits potent antibacterial activity against multidrug-resistant pathogens, according to new research from the



Clay and Water – Preservation



Clay and Water – Preservation



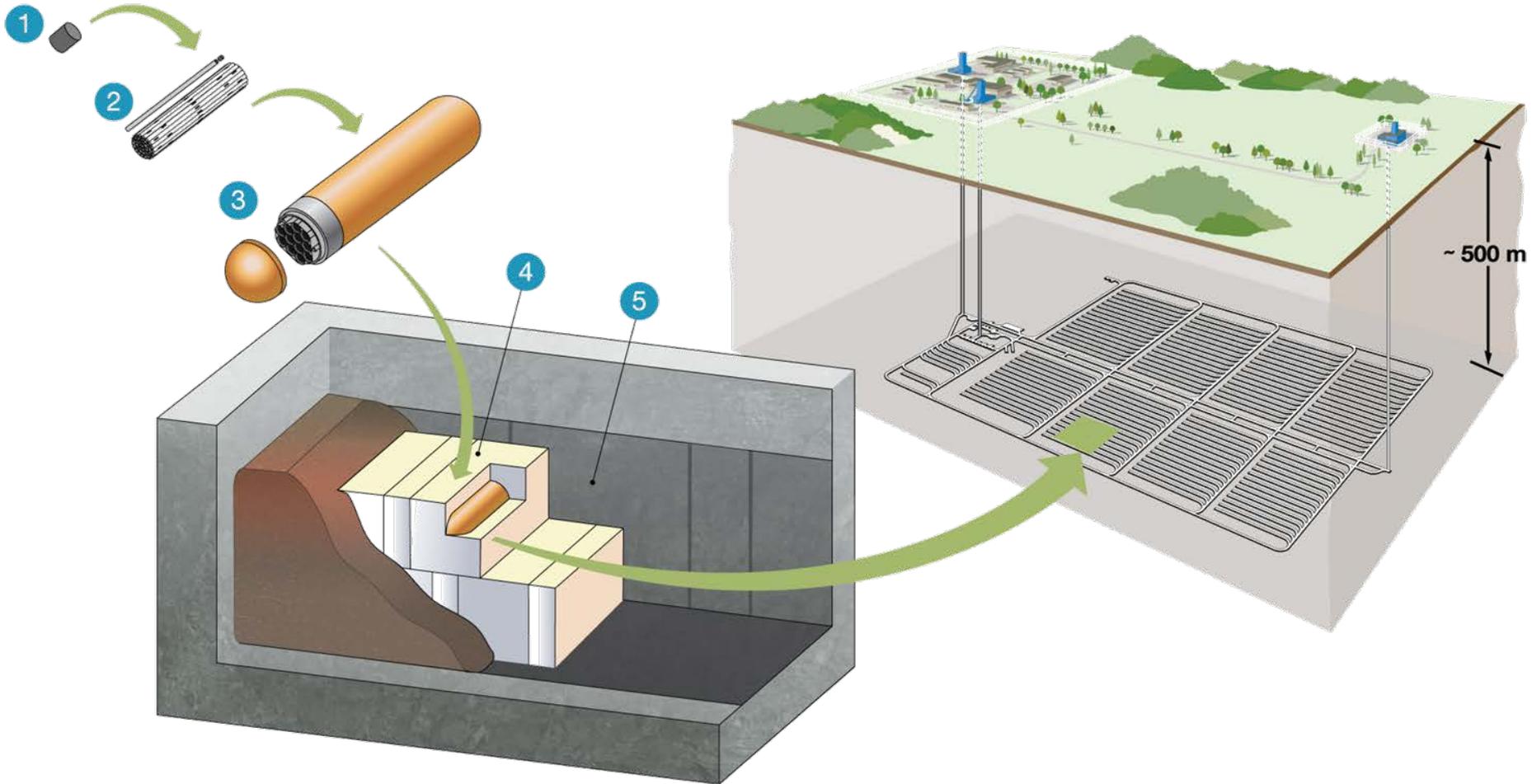
Bentonite Clay



Bentonite Clay



Deep Geological Repository



Discussion & Questions?
What's next?