



Mount Waddington, BC, Canada

Ice core paleoclimate and firn aquifer studies



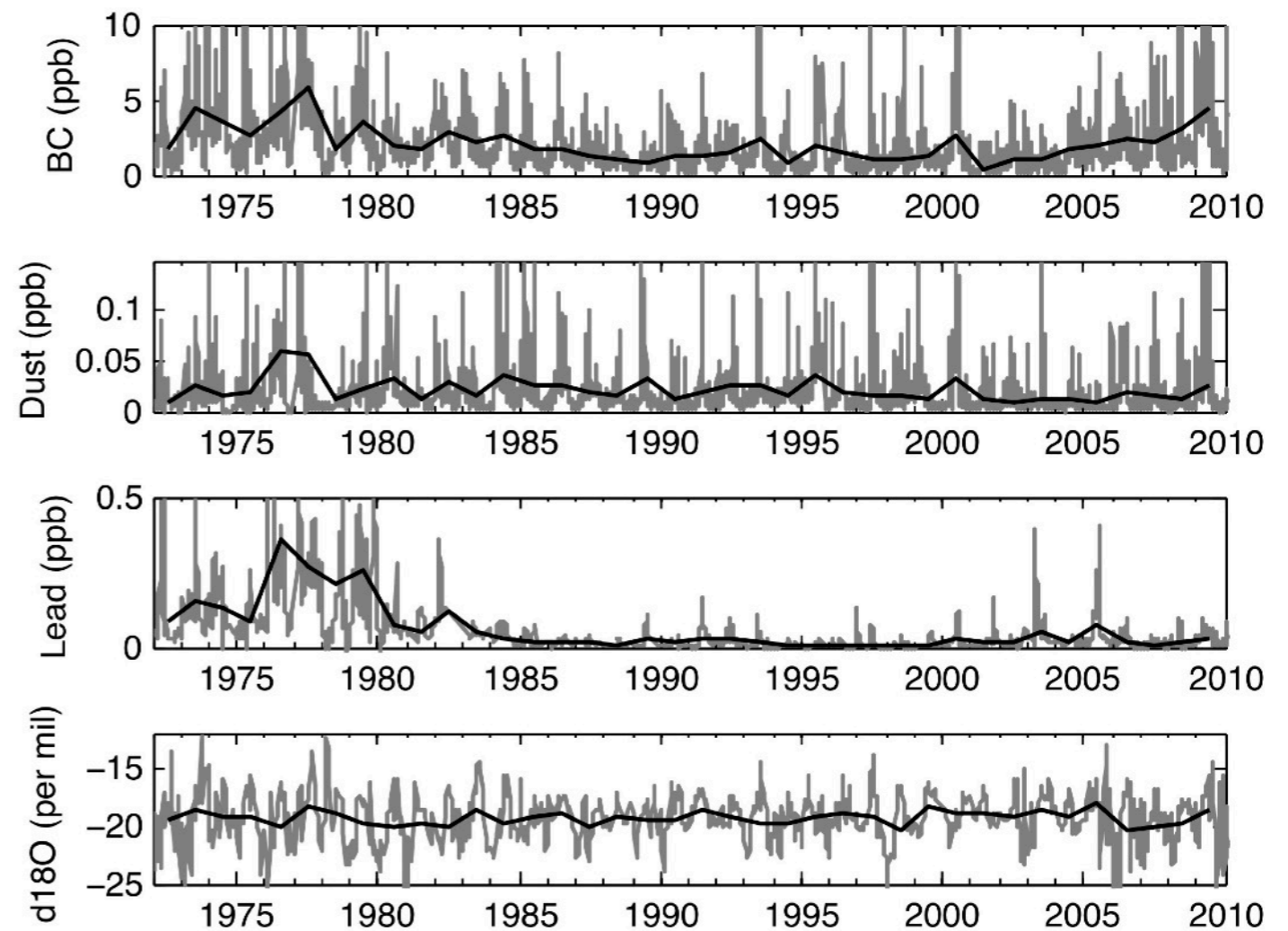
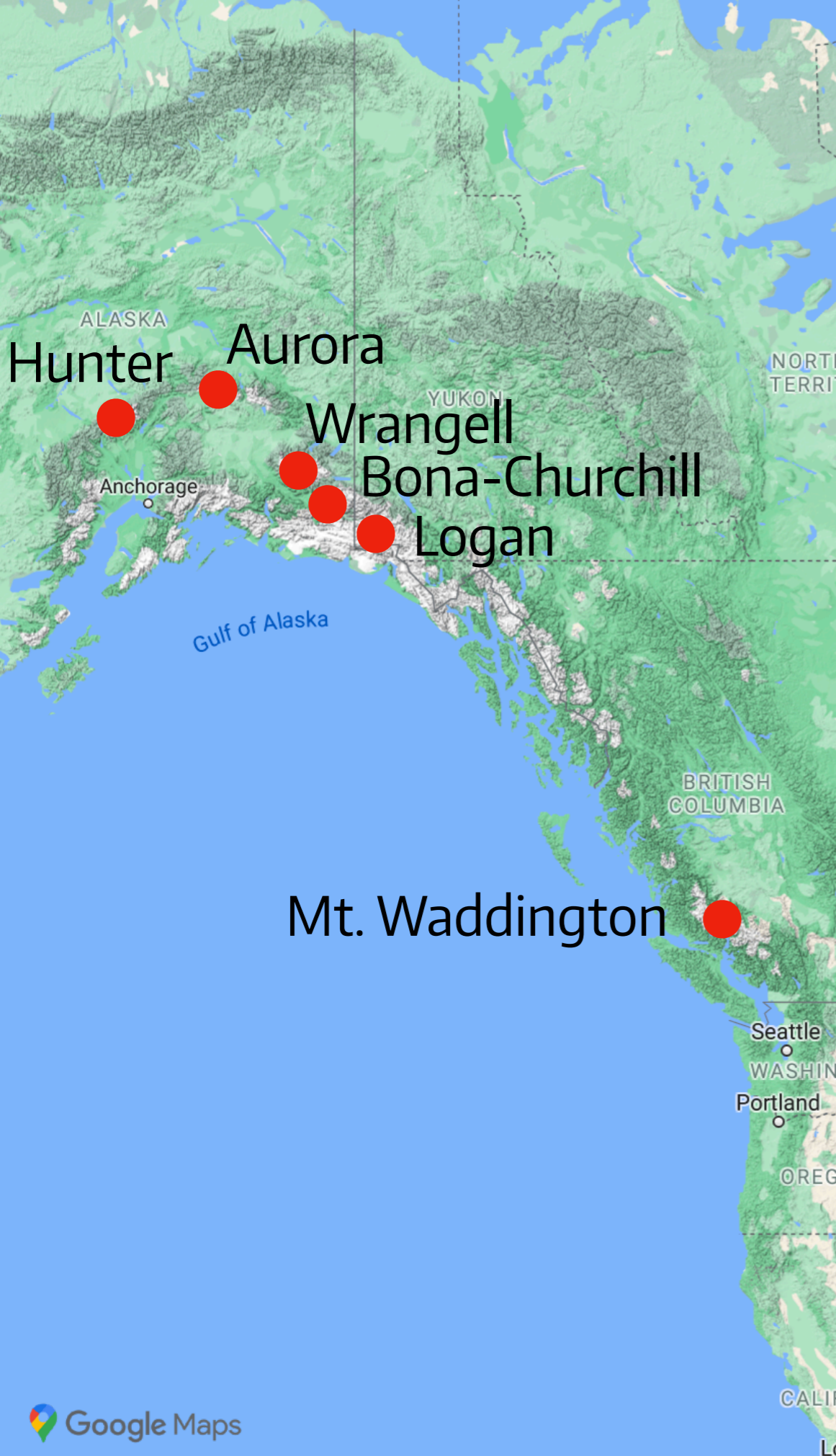
Photo John Scurlock

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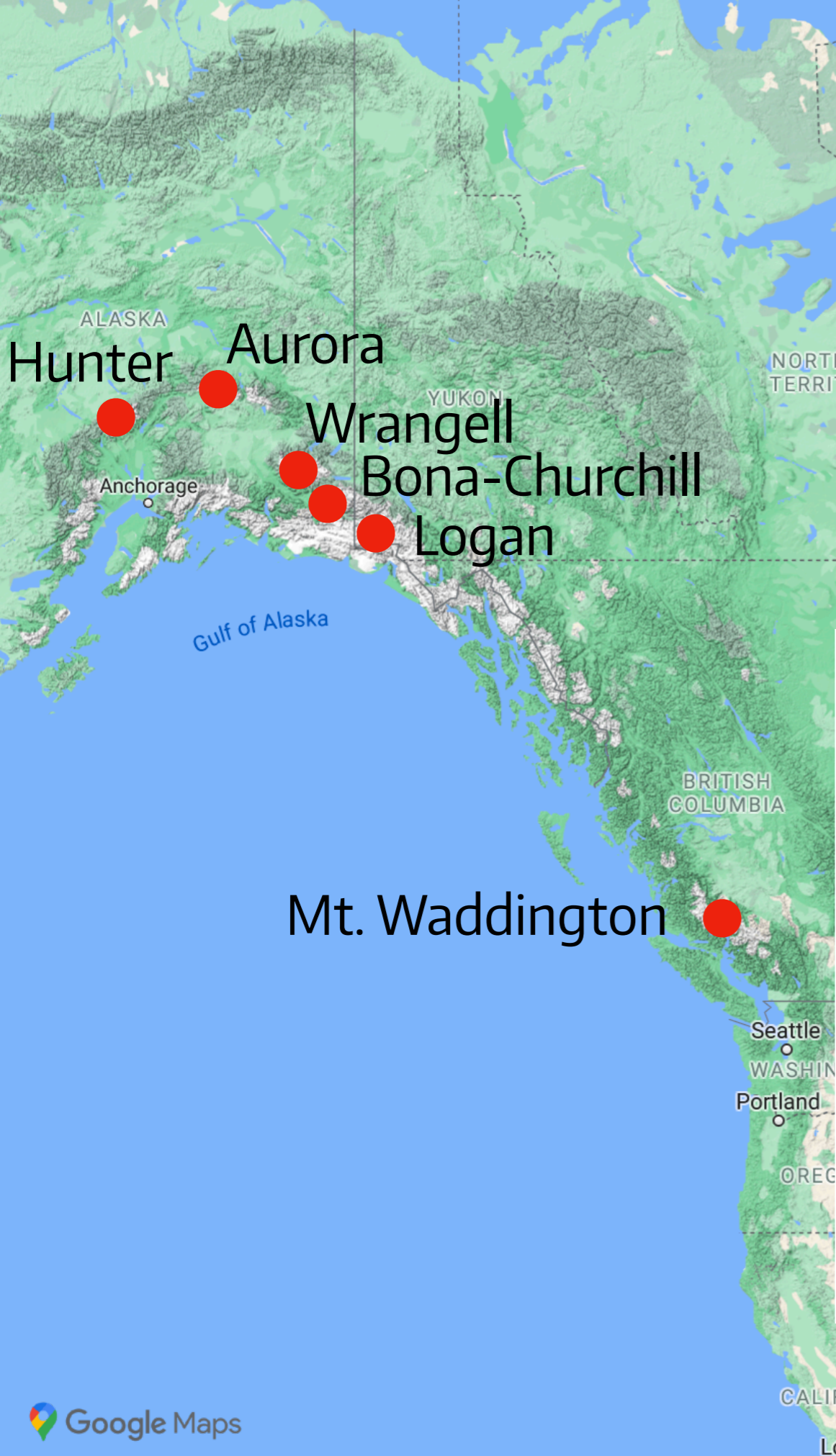
Combatant Col (51.4°N, 125.3°W)

141 m recovered: 1973-2010

3000 m a.s.l. | ~250 m thick | 0.5 km²

-5°C mean annual temperature (approximate)
7 m/yr ice-equiv. snow accumulation

~200-500 years old near bedrock (Neff et al., 2012)



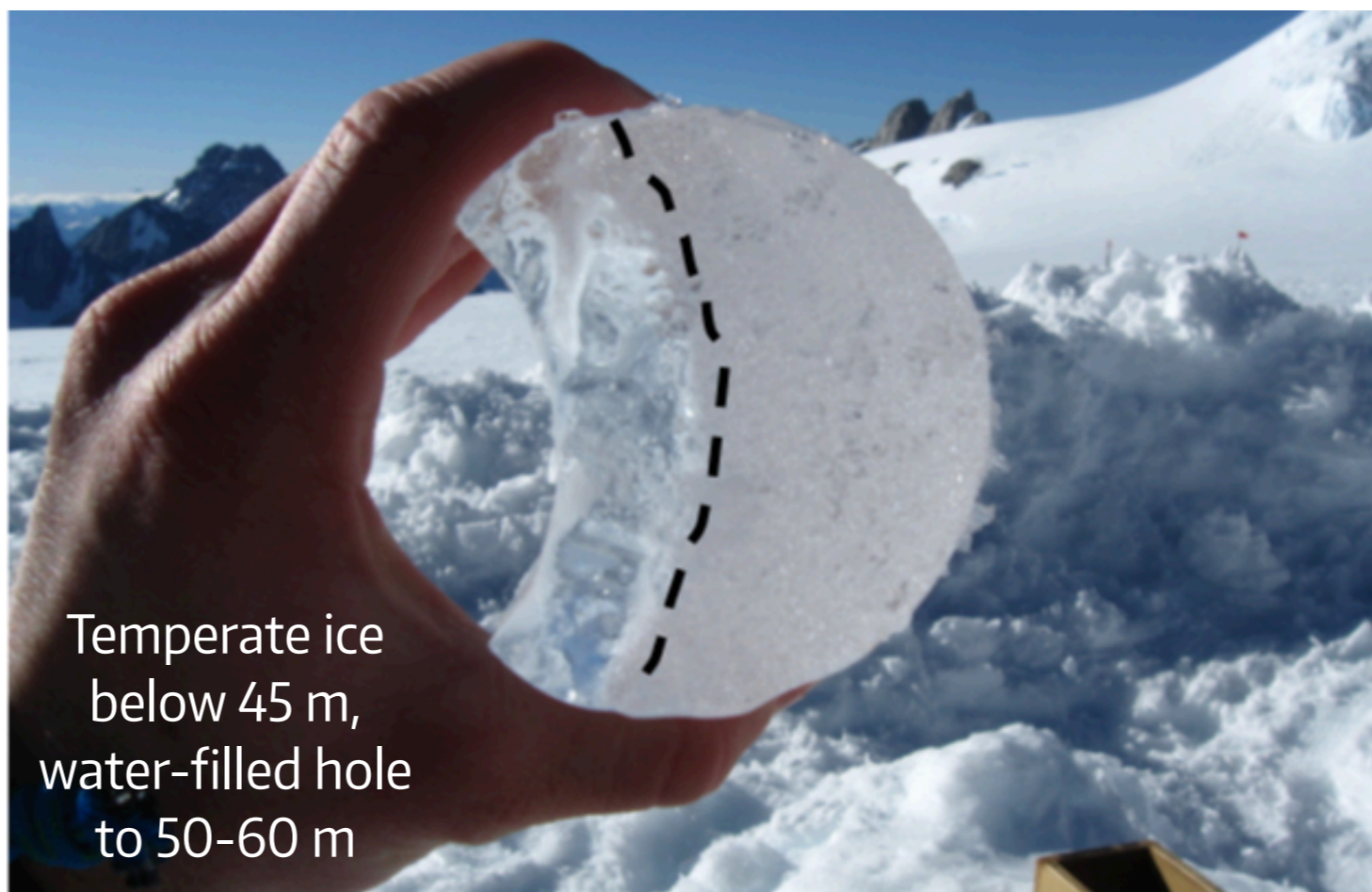
Planned 2021 and 2022 fieldwork

2021 radar for deep & shallow stratigraphy

2022 ice coring to bedrock, more radar

Plans on hold due to COVID-19

Possible late summer 2021 radar survey



Temperate ice
below 45 m,
water-filled hole
to 50-60 m

**2022: refurbished IDP 3" thermal drill
gives confidence for success**