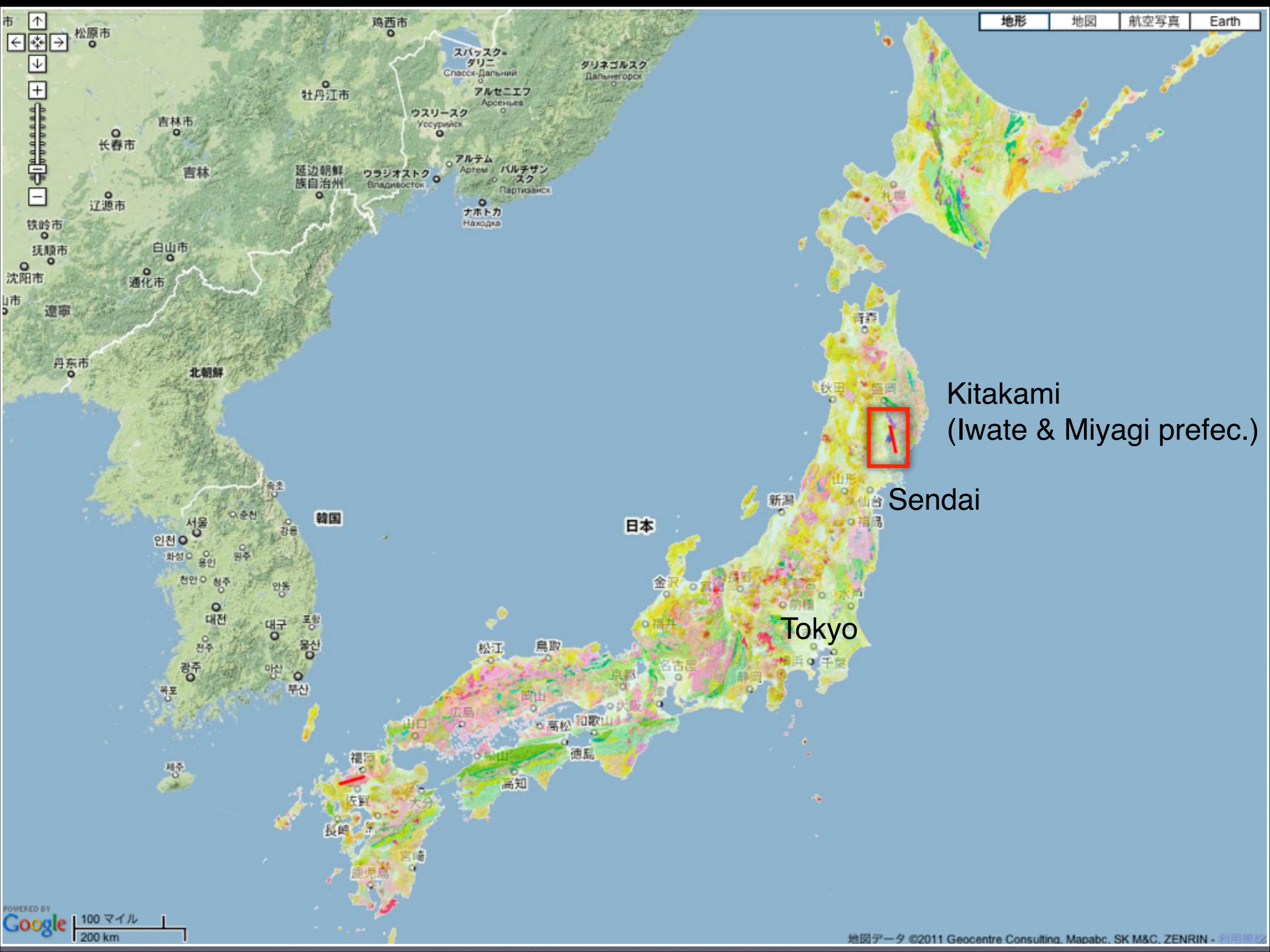


Overview of the topography and geology of the Kitakami site for the ILC

Tomo SANUKI
(Tohoku University)



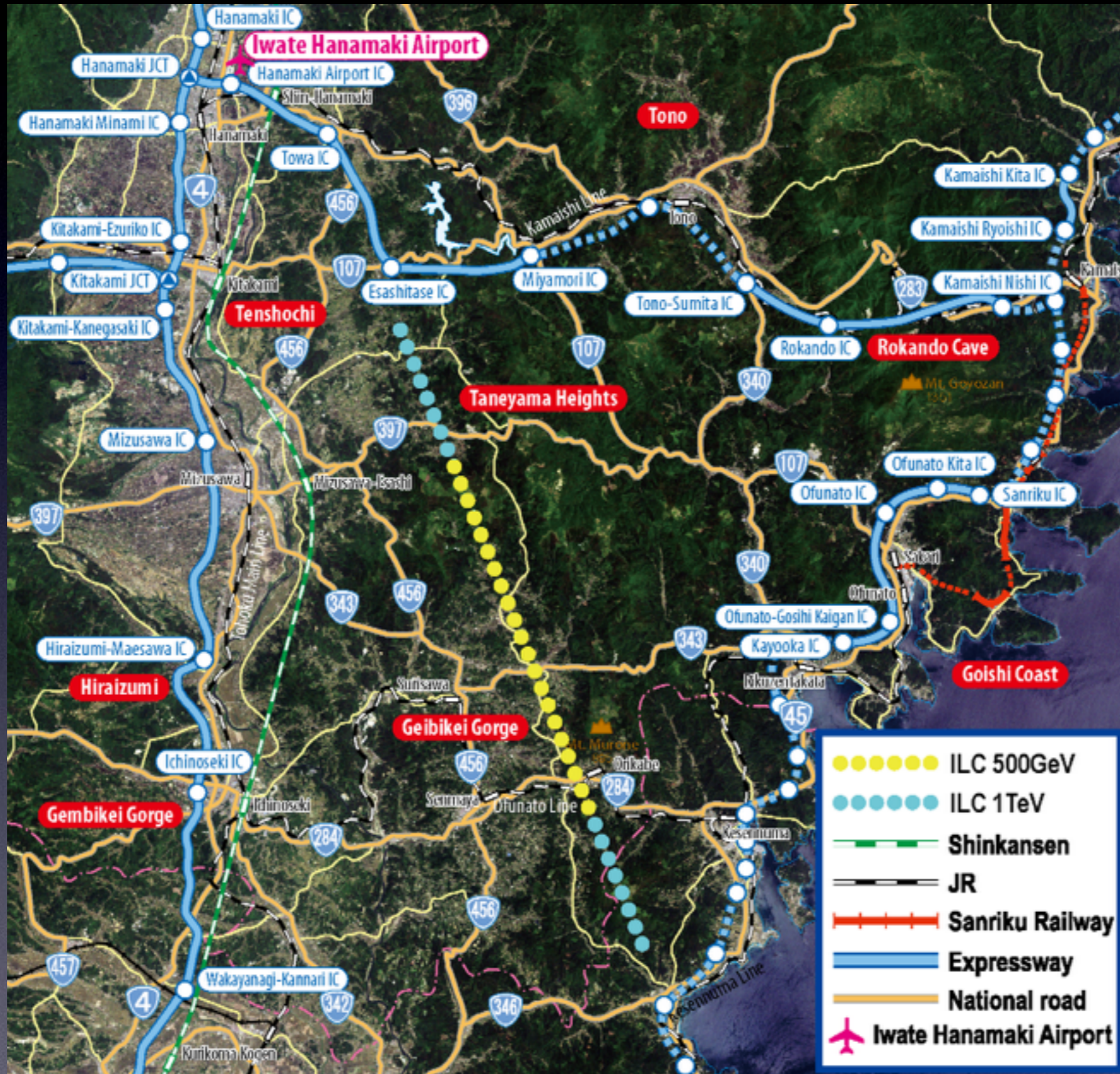
Kitakami
(Iwate & Miyagi prefec.)

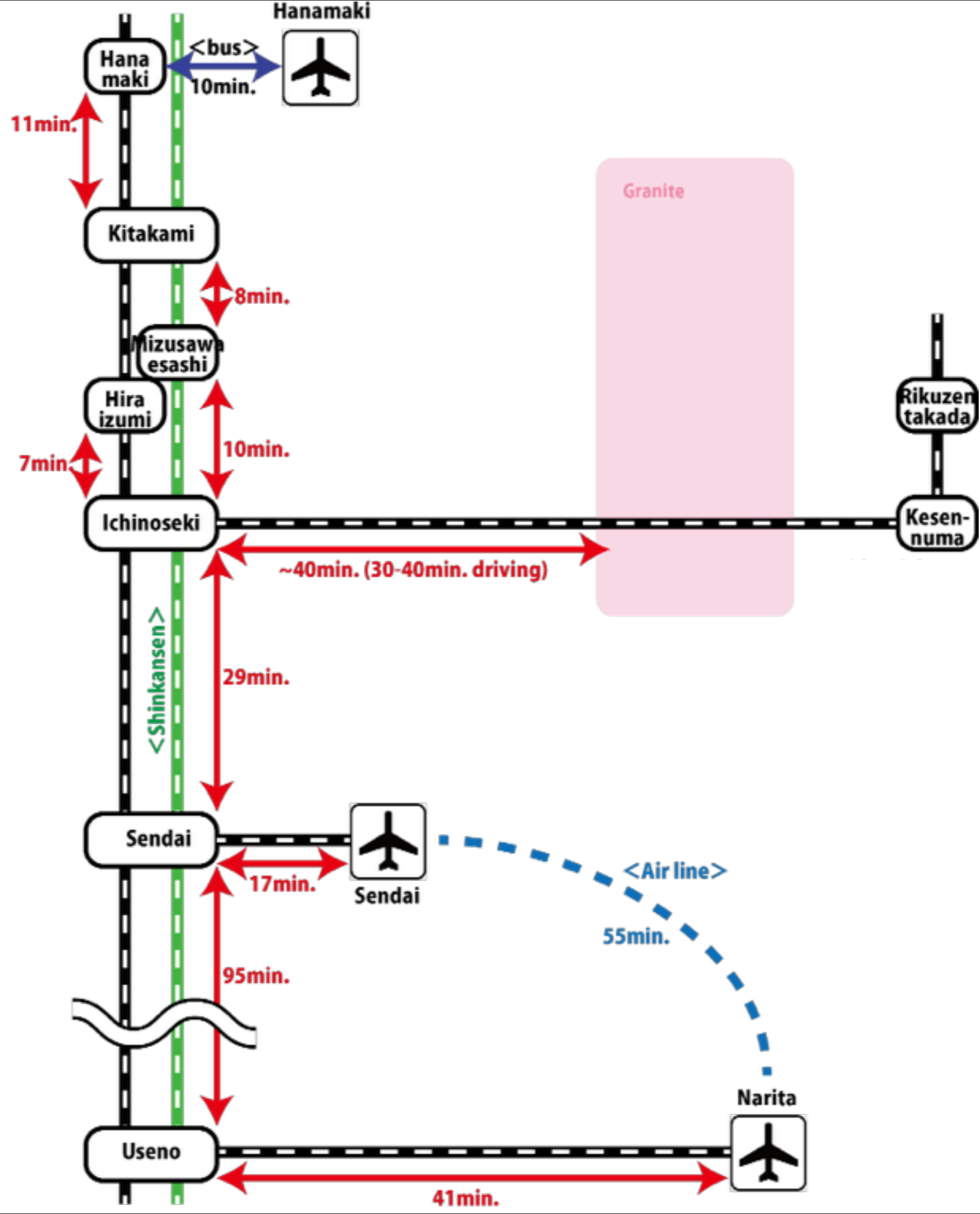


Sendai

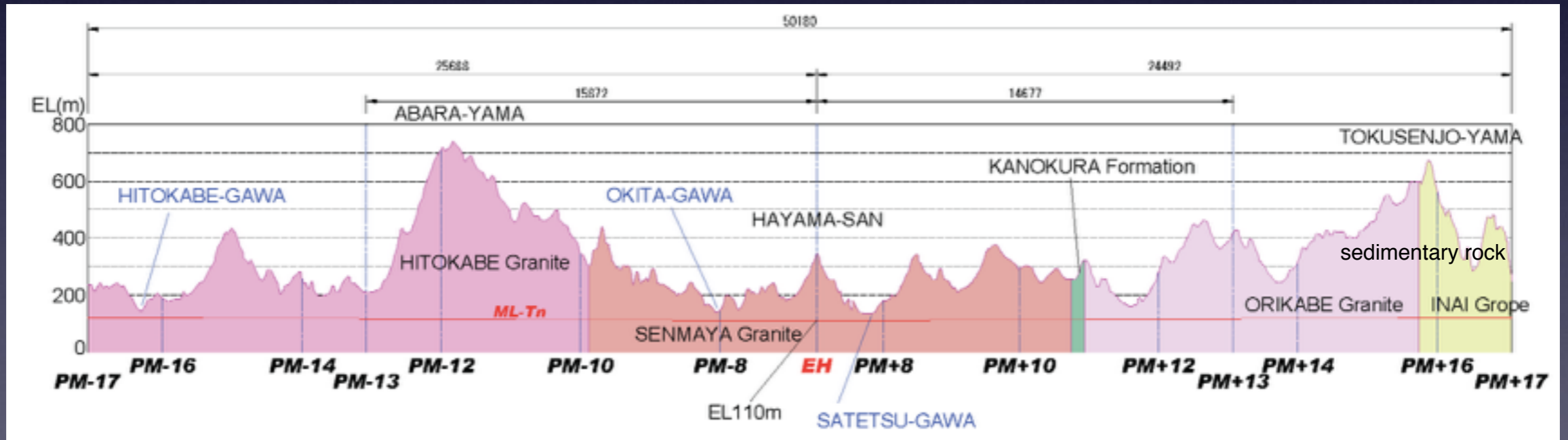
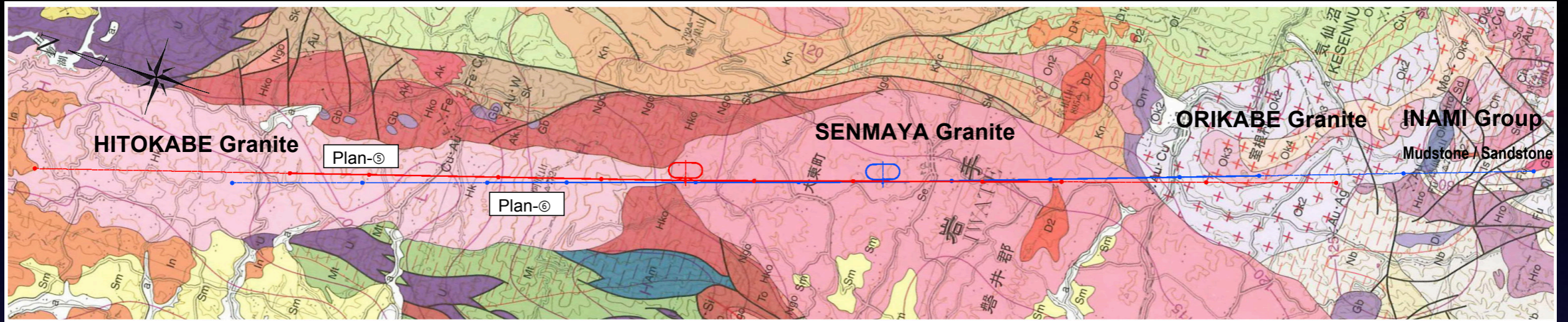
Tokyo

Kitakami site





geology and topography

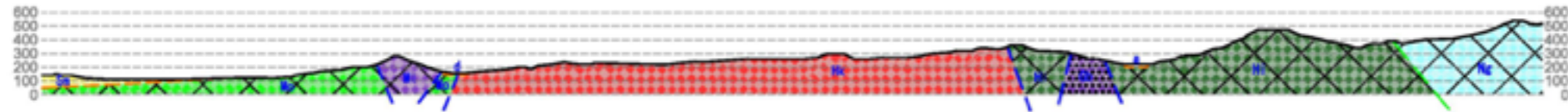


geologic profile

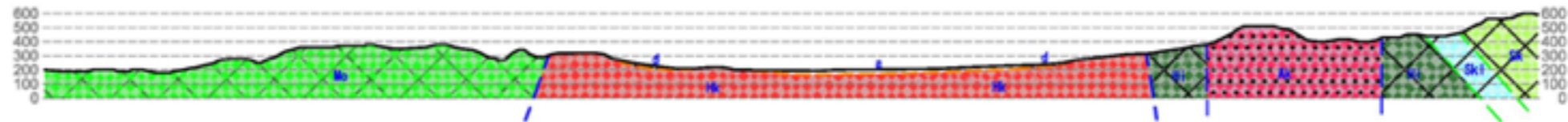
1-1'



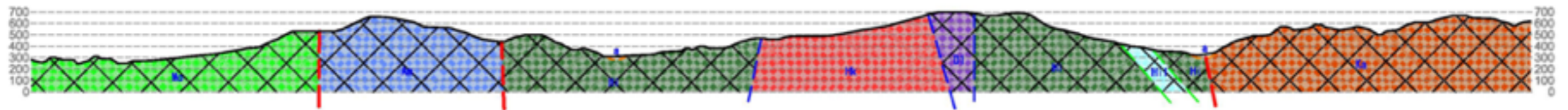
2-2'



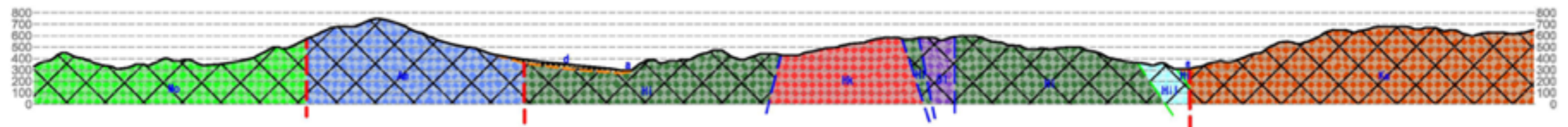
3-3'



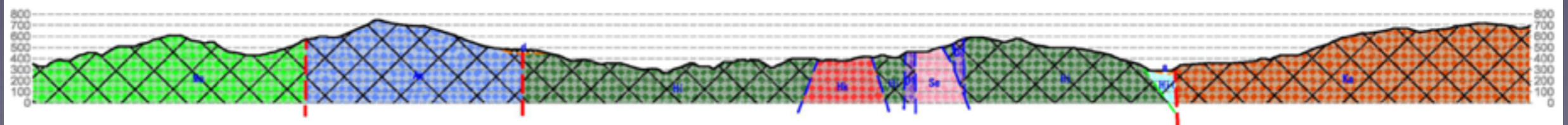
4-4'



5-5'

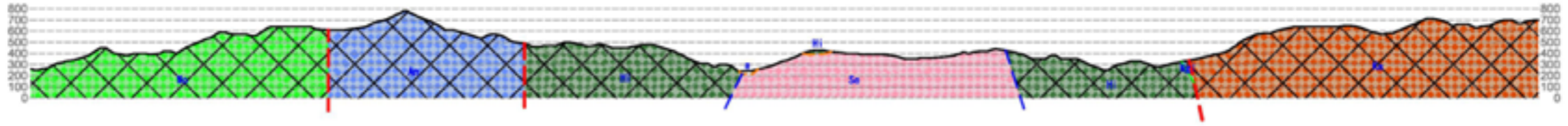


6-6'

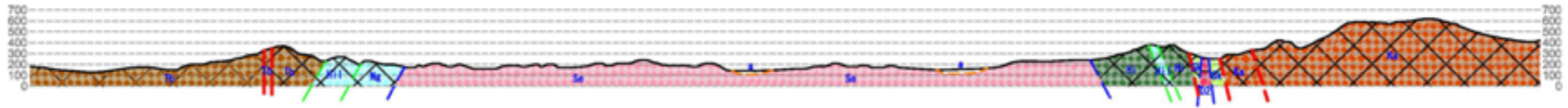


geologic profile

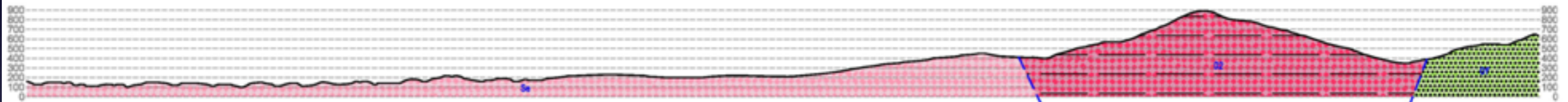
7-7'



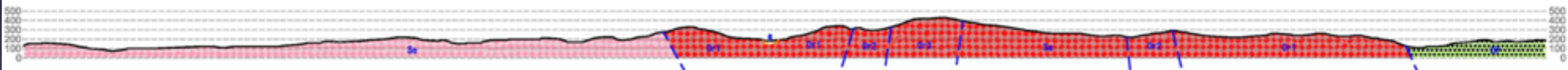
8-8'



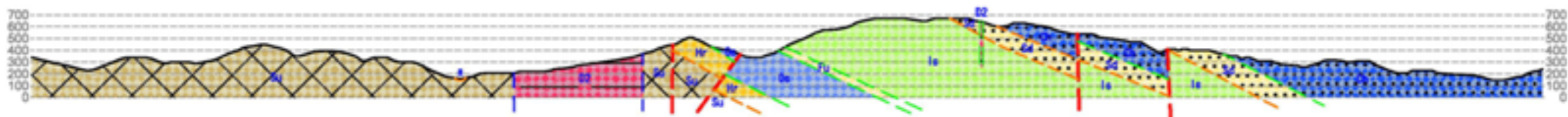
9-9'



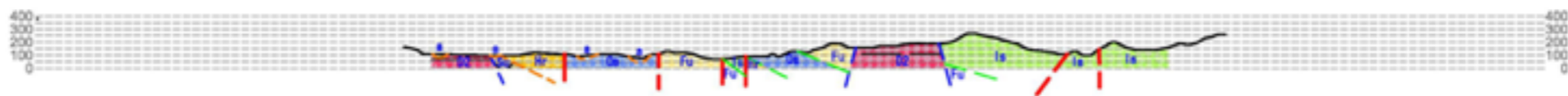
10-10'



11-11'

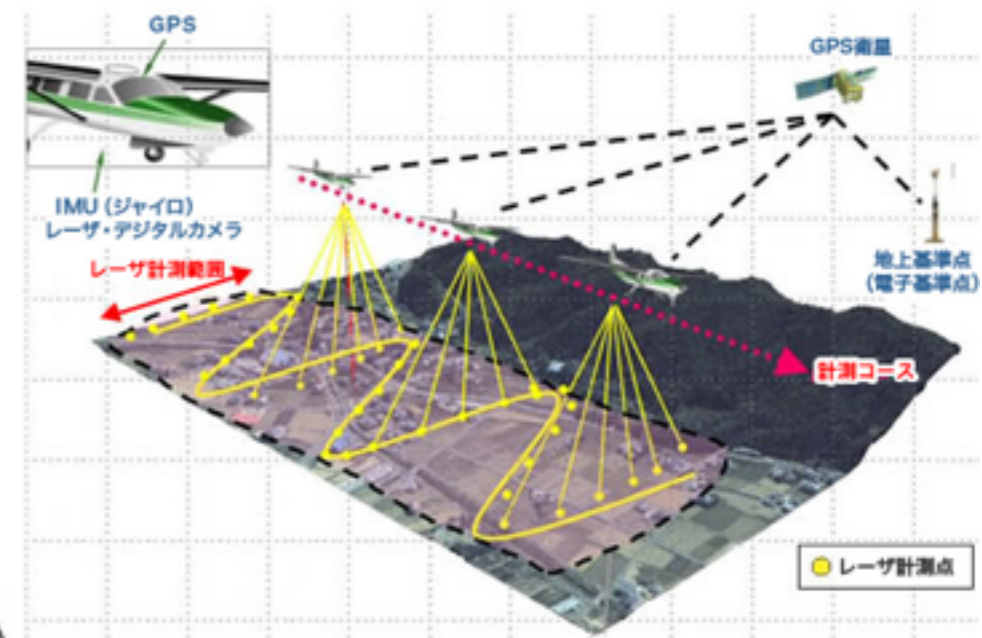


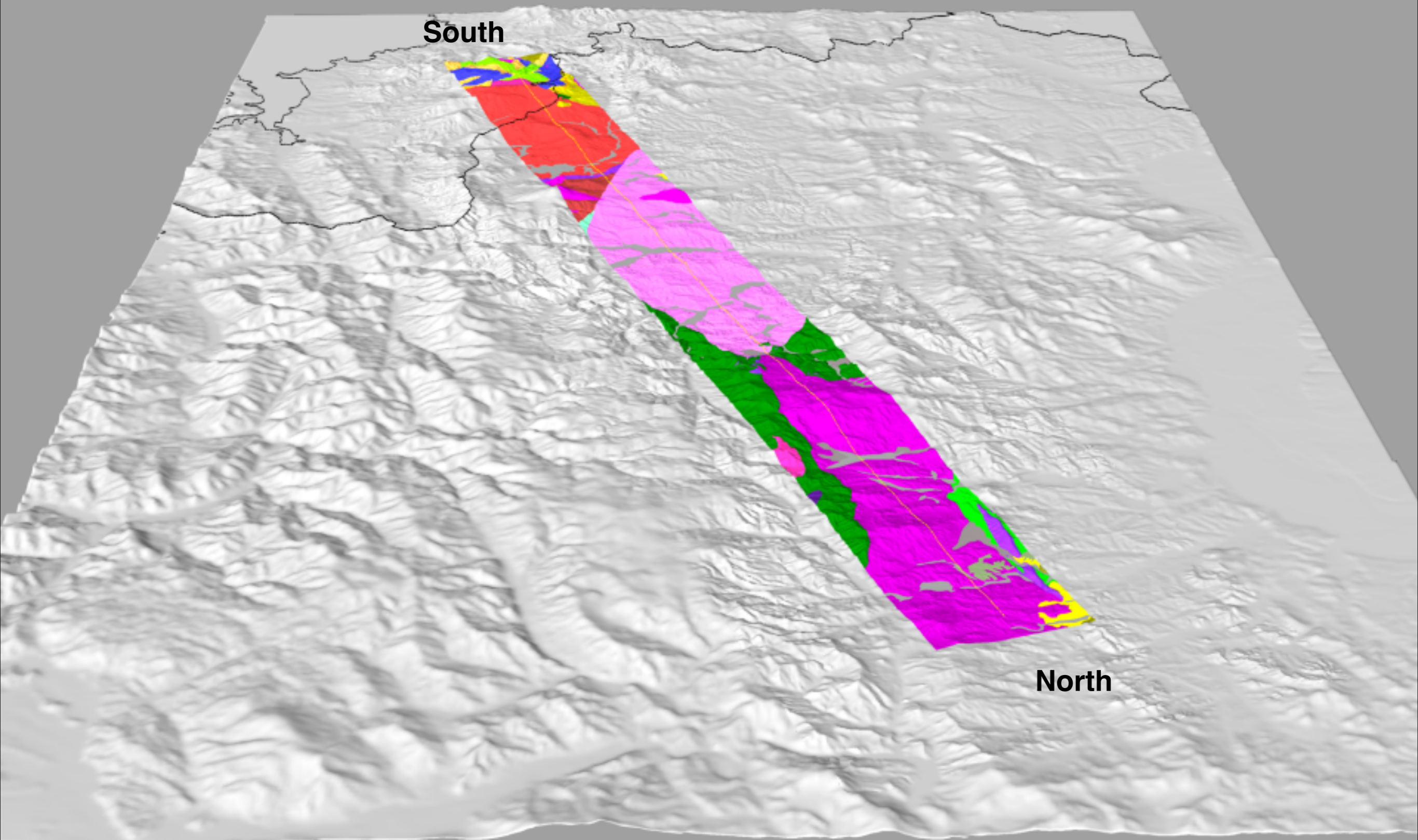
12-12'



Topography (1m LP-DEM)

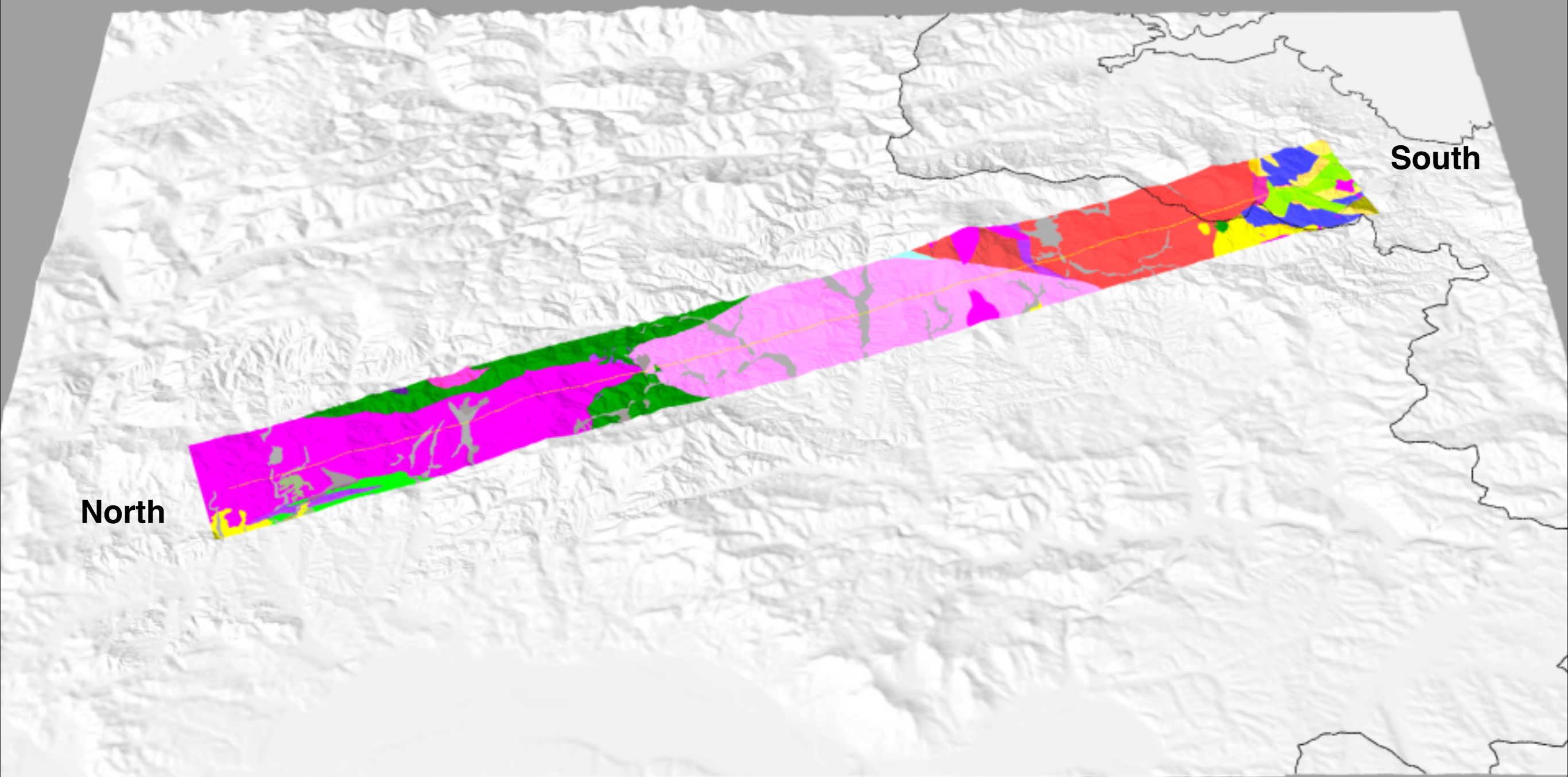
2km





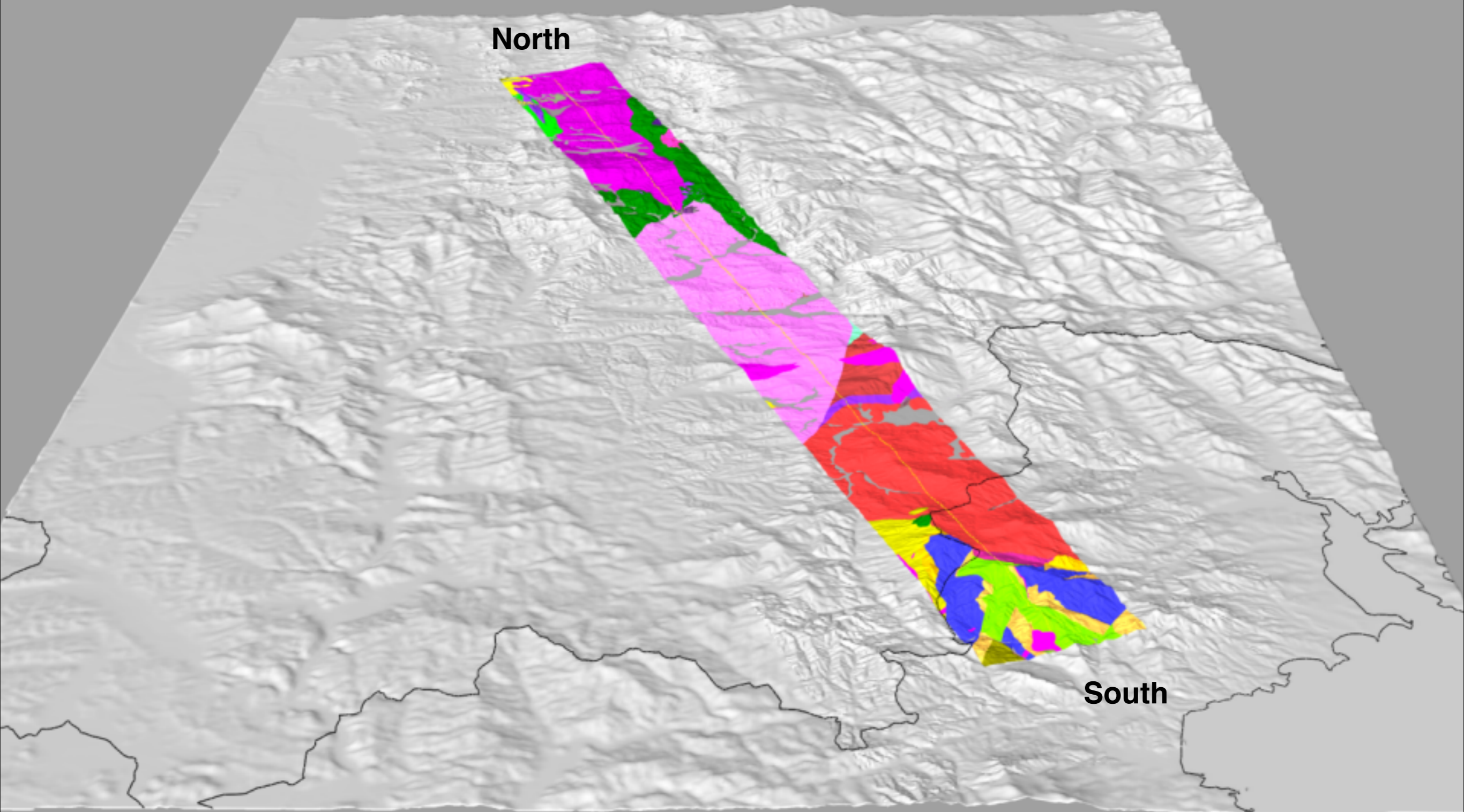
South

North



North

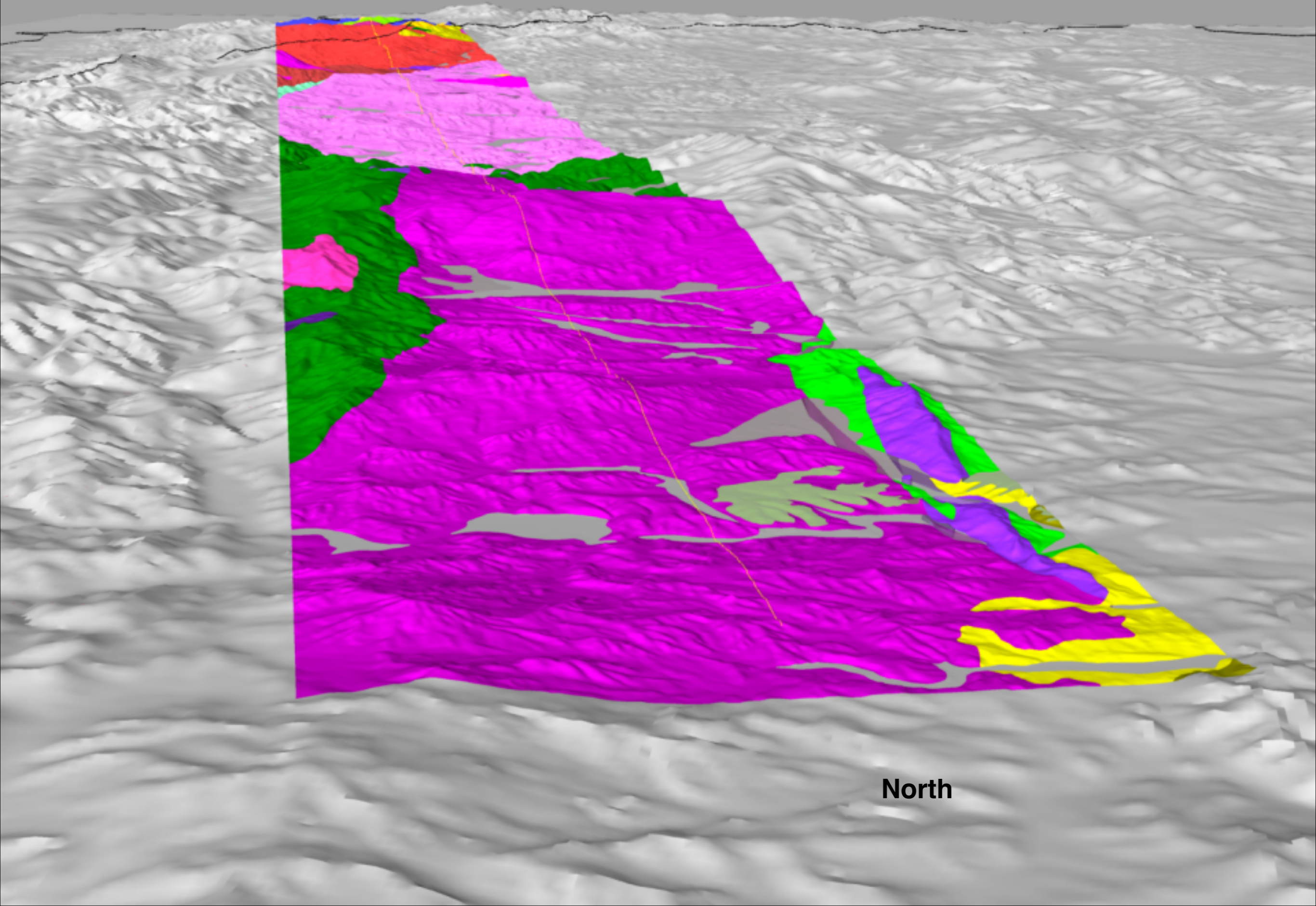
South



North

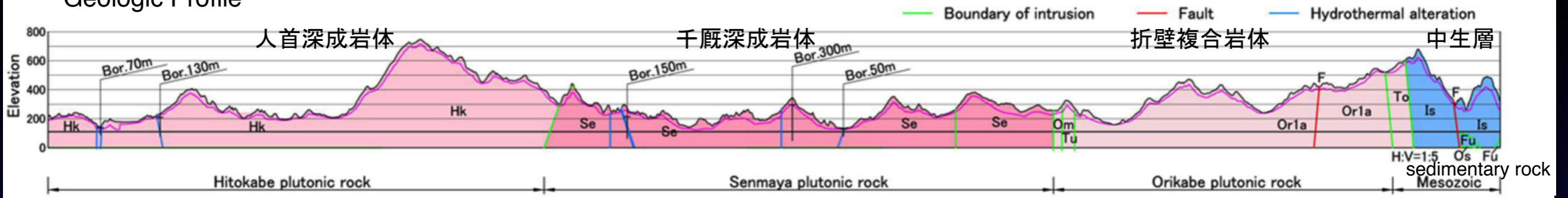
South

South

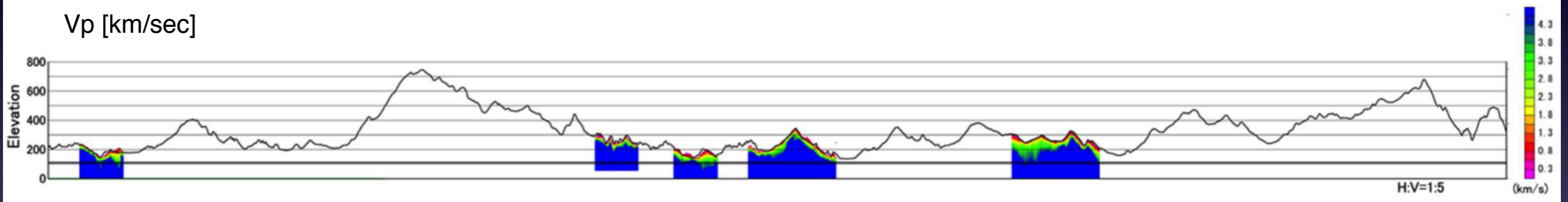


North

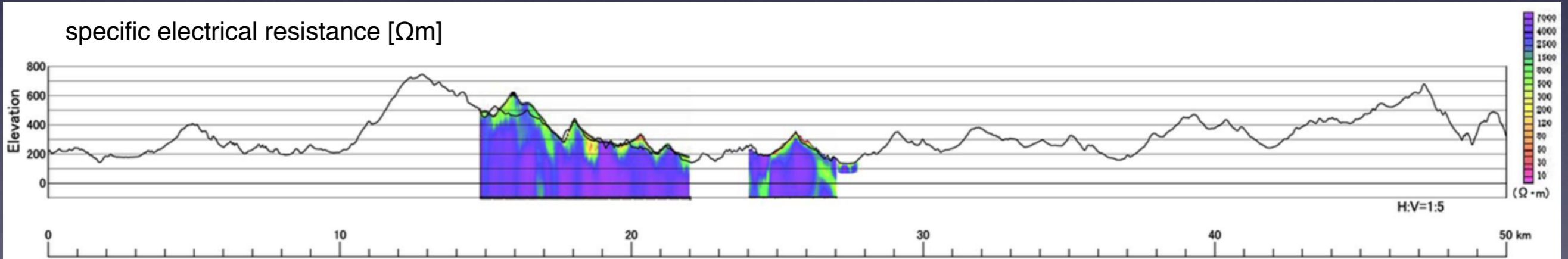
Geologic Profile

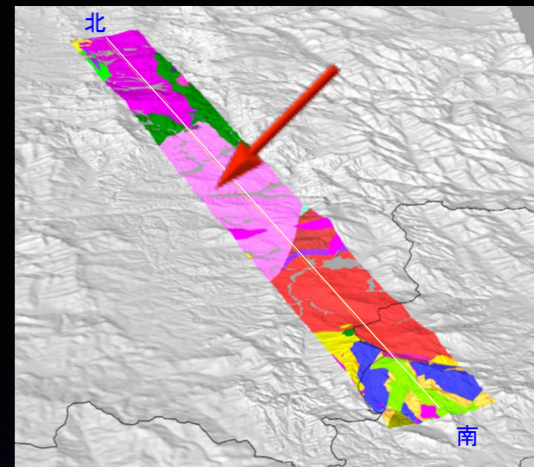


Vp [km/sec]

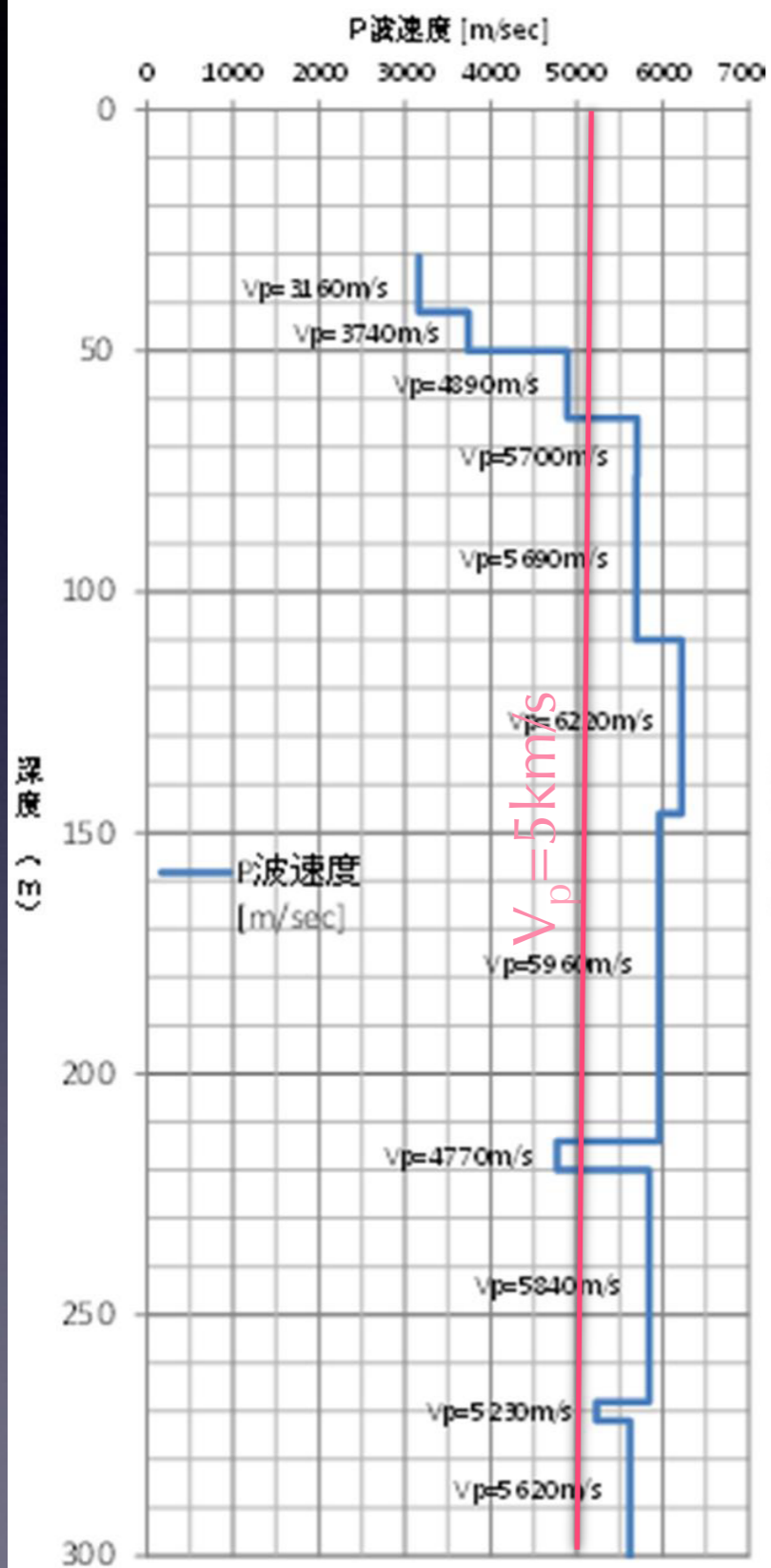


specific electrical resistance [Ωm]

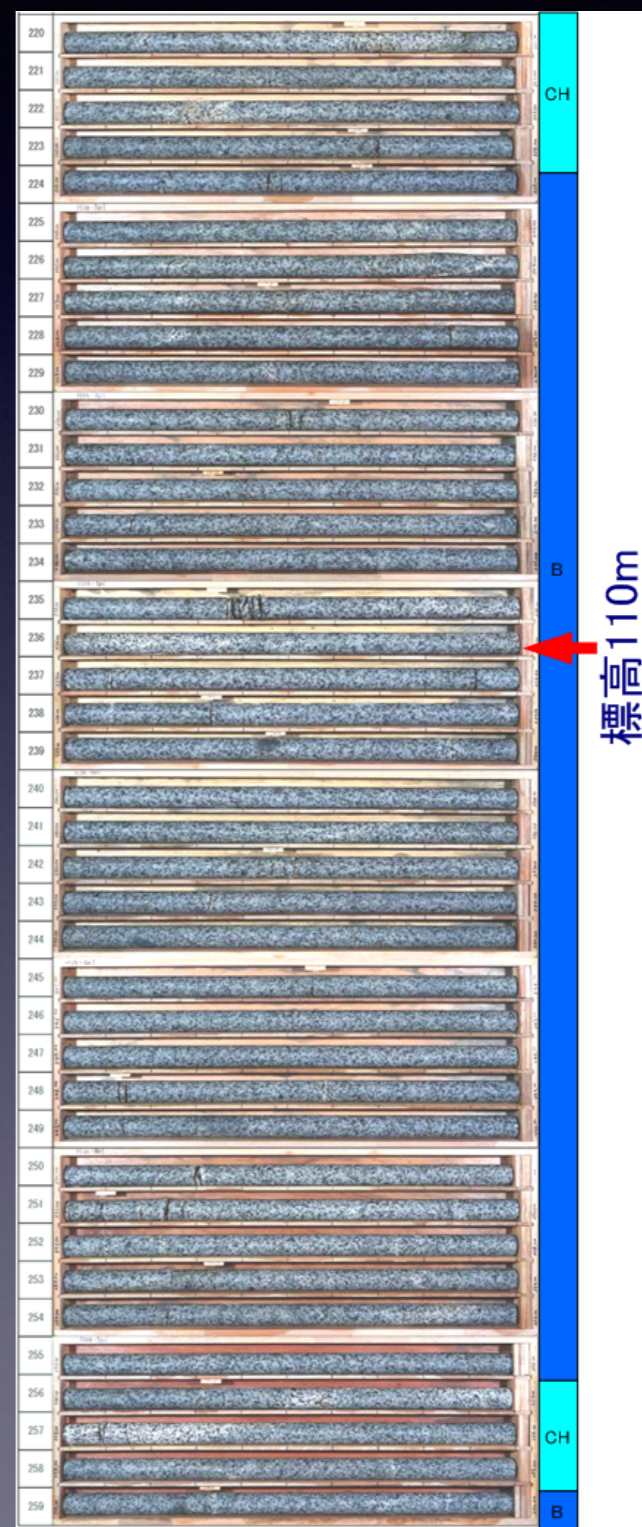
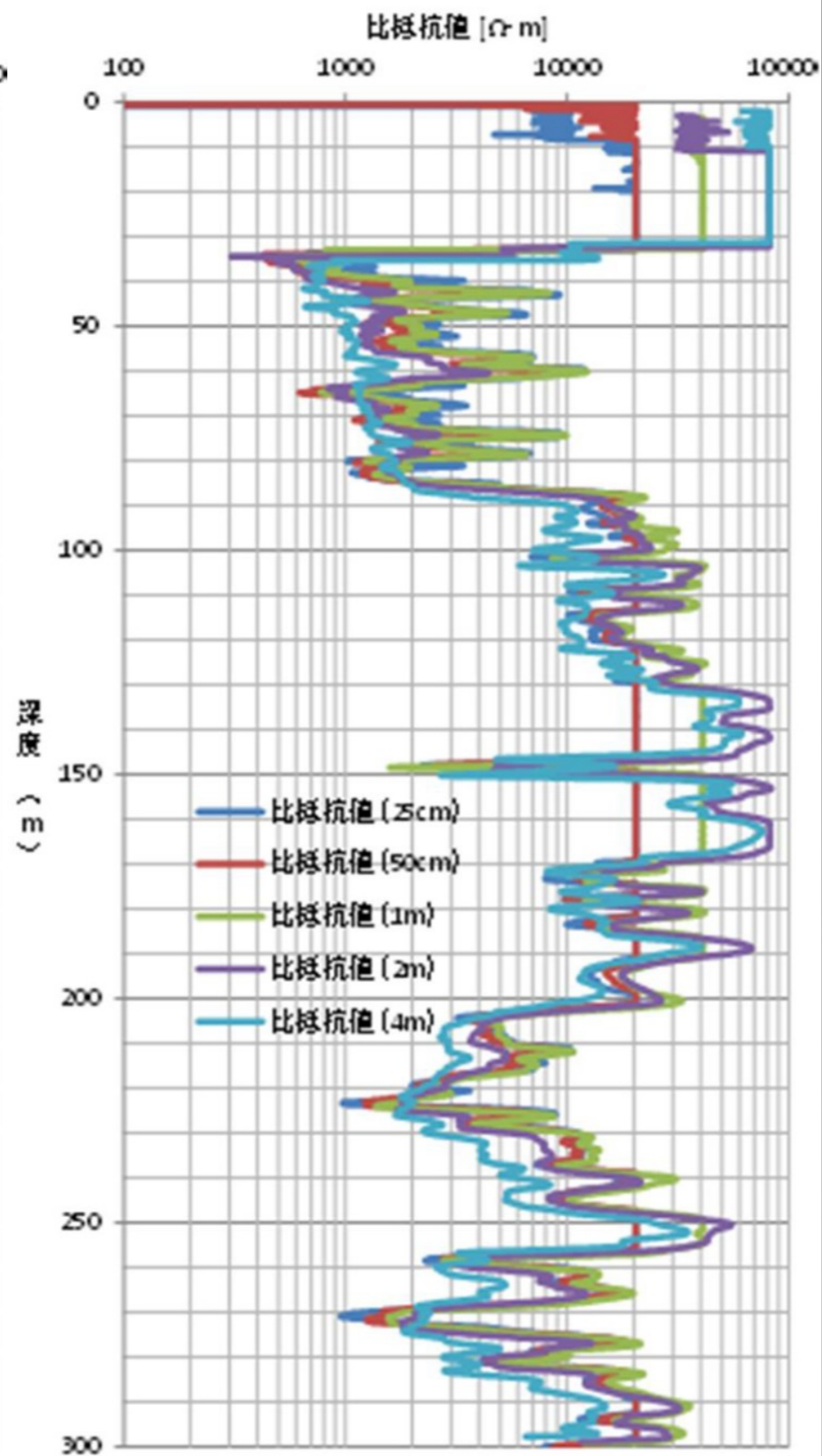




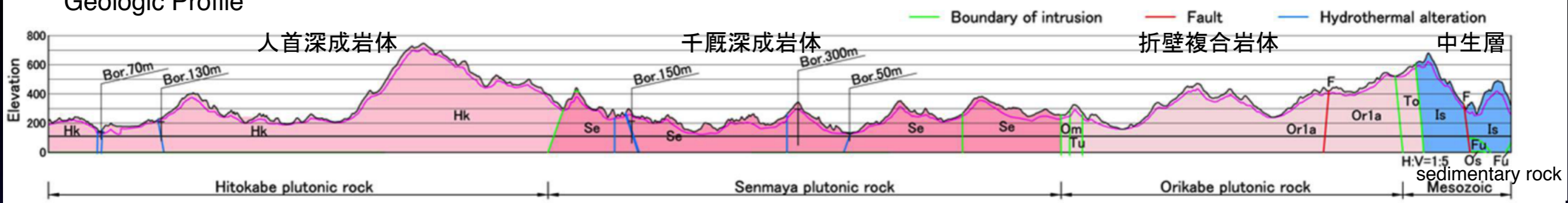
速度検層結果図 (H24-No.1孔)



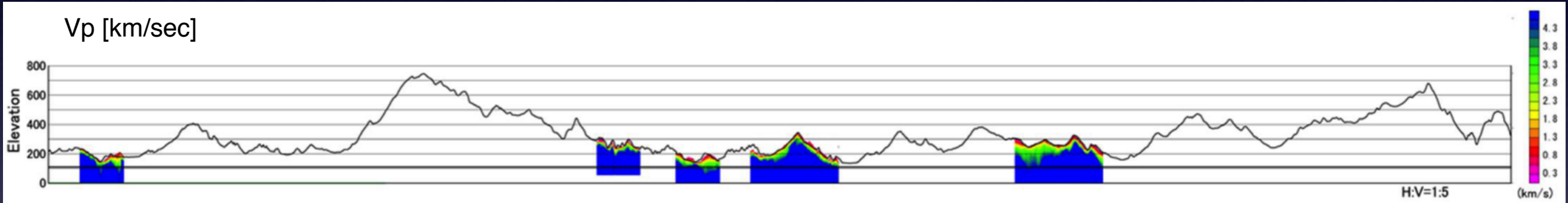
電気検層結果 (H24-No.1孔)



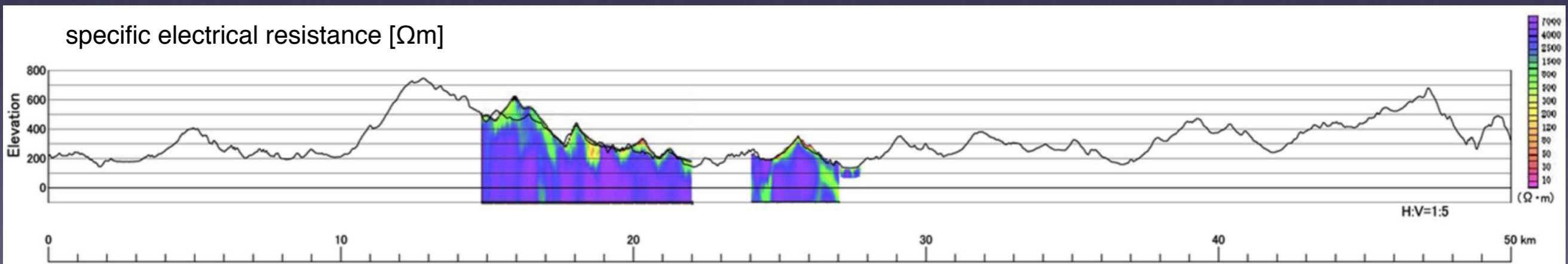
Geologic Profile



Vp [km/sec]

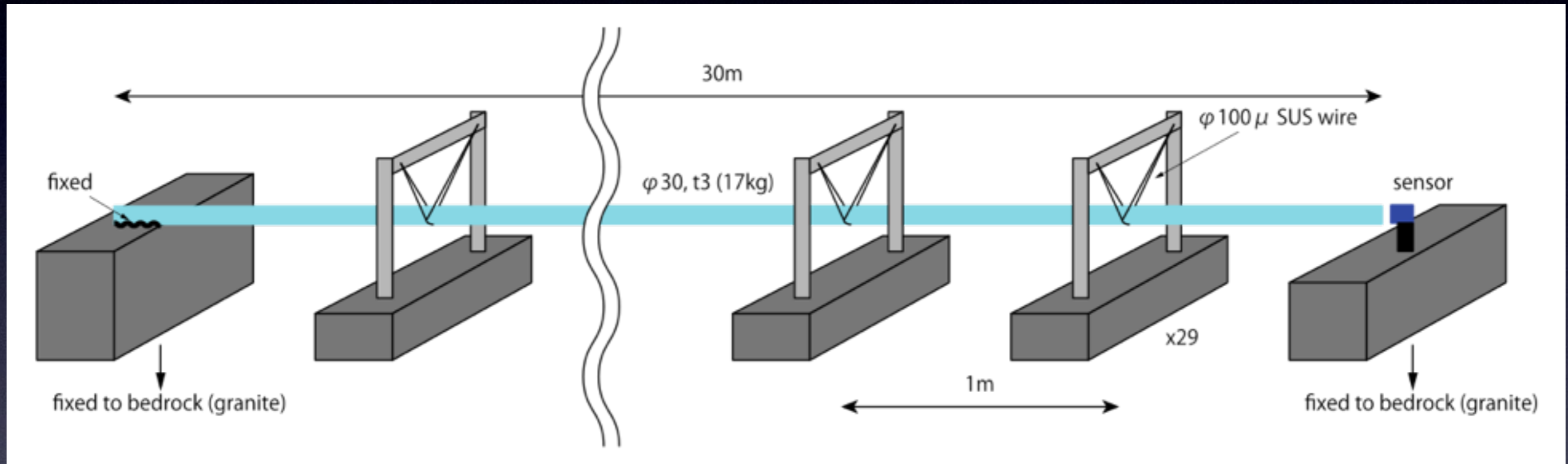


specific electrical resistance [Ωm]



2011 Tohoku Earthquake

strain meter



Quartz pipe
 $\varphi 30\text{mm } t3\text{mm } L30\text{m } (17\text{kg})$
cantilever (+ $\varphi 100\text{micron SUS wire } \times 29$)

After Tohoku earthquake



15 October 2011

Before and After

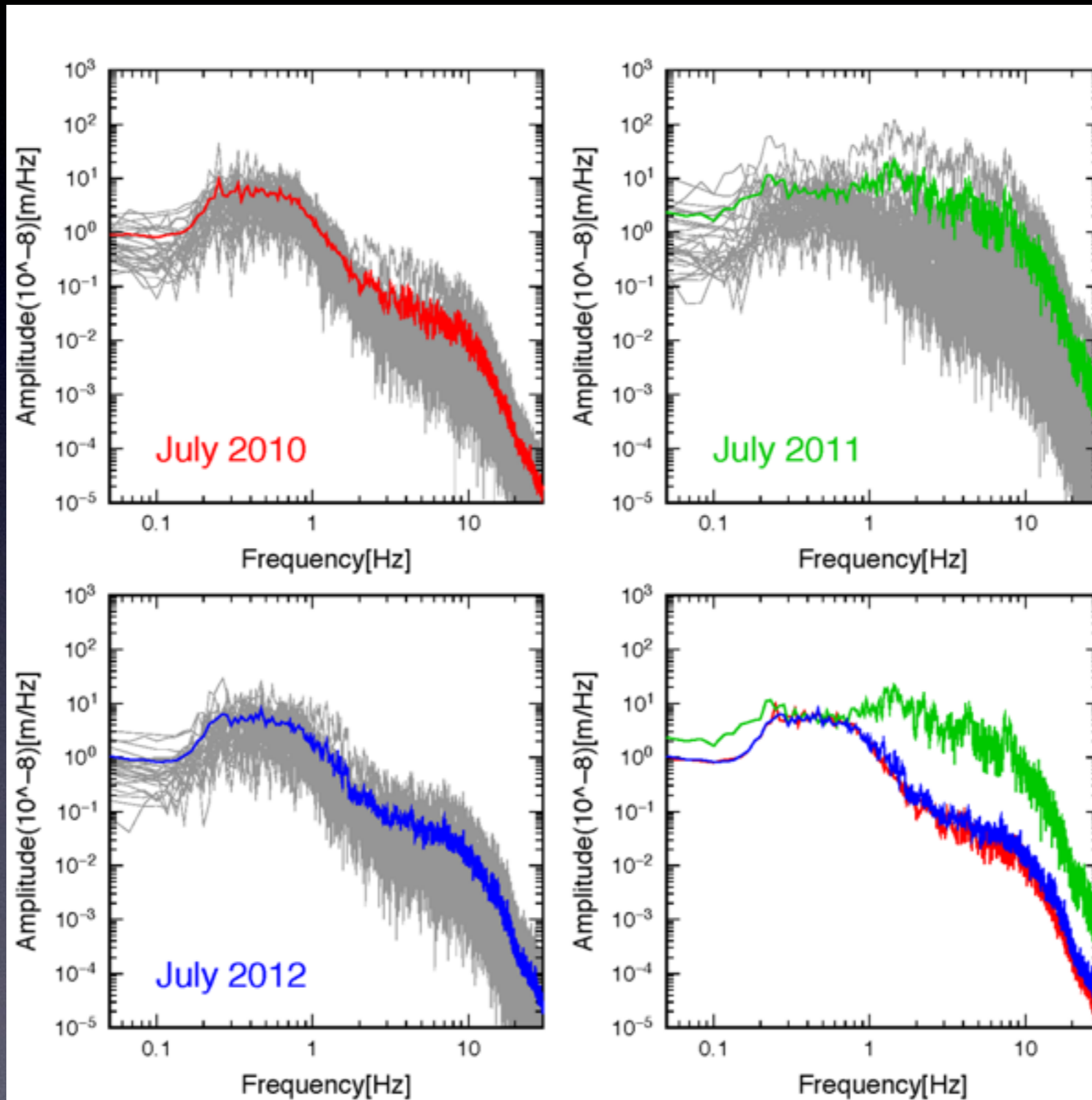


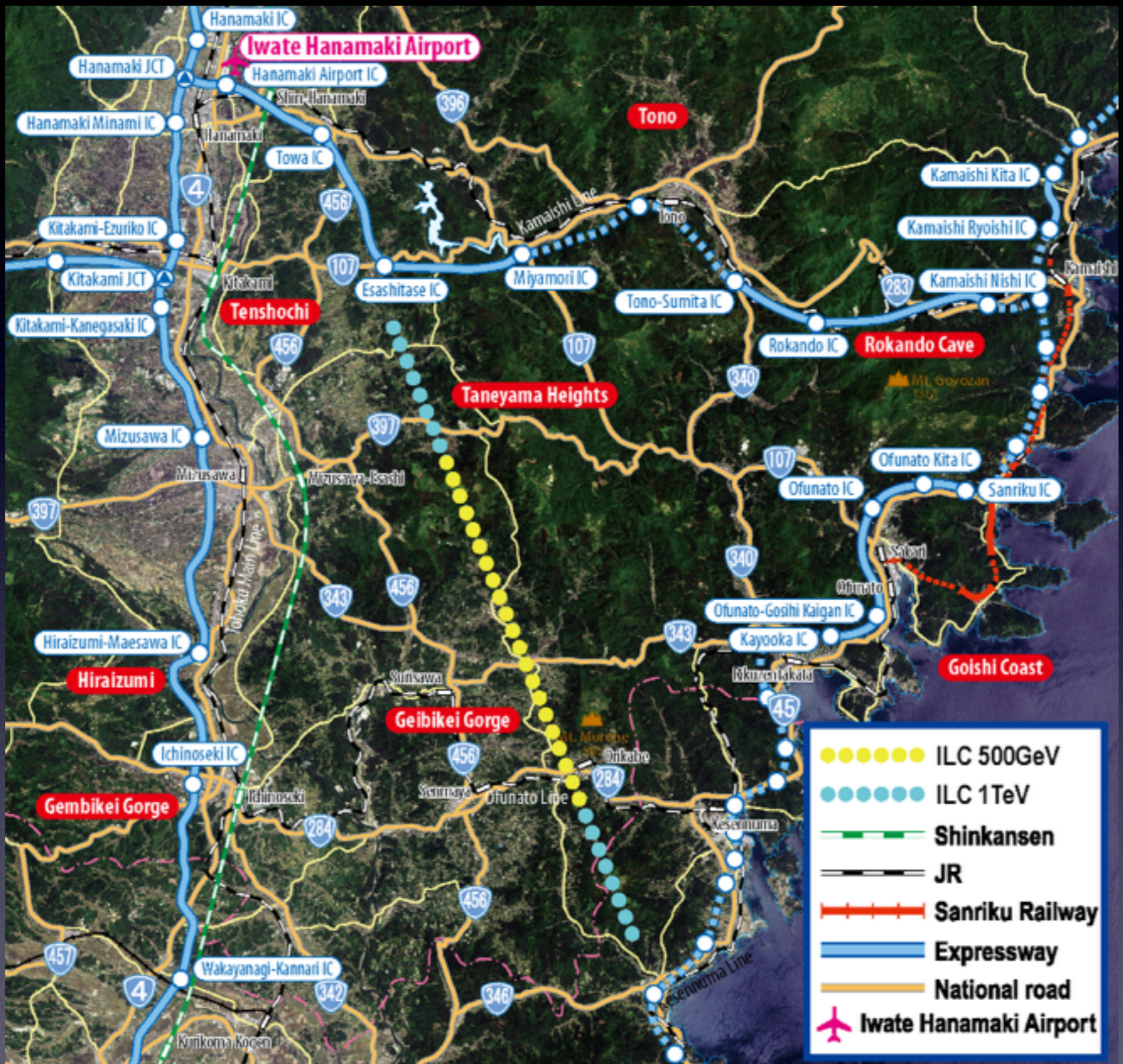
Before



After

micro tremors





Fin.