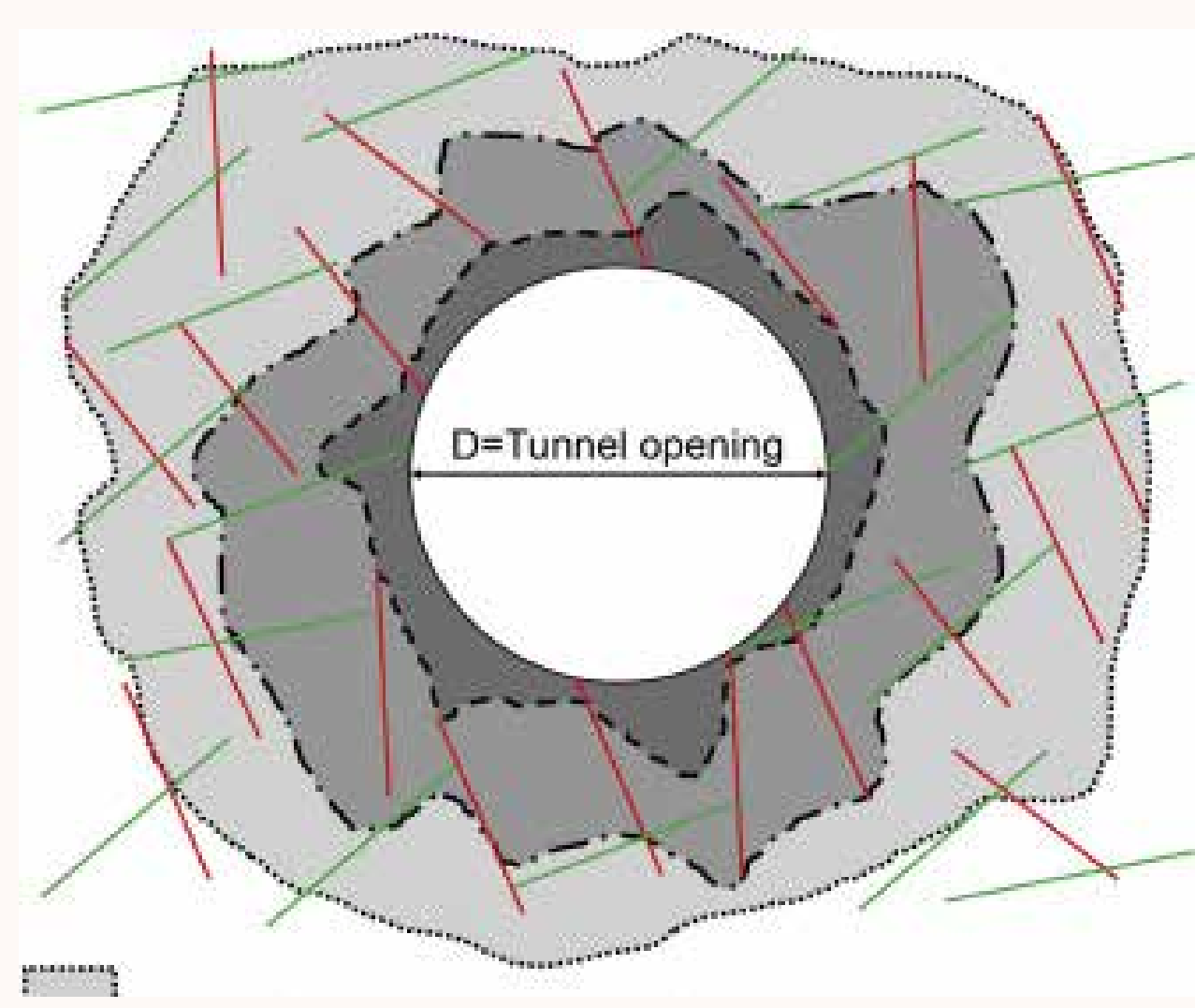
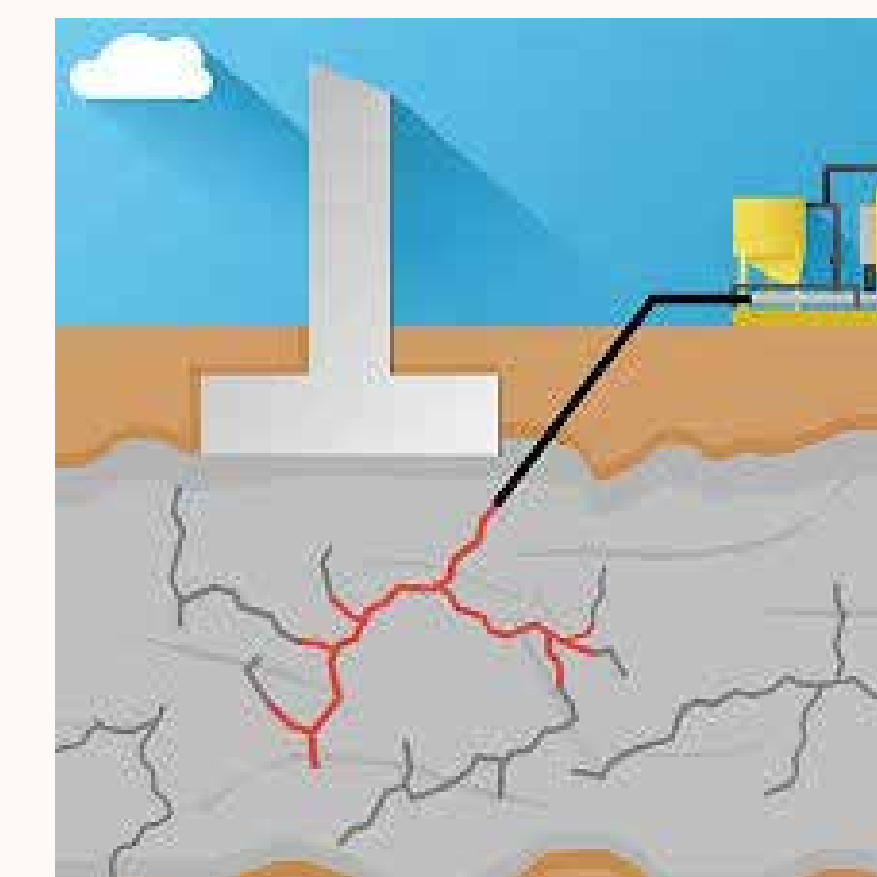


BACKGROUND AND MOTIVATION

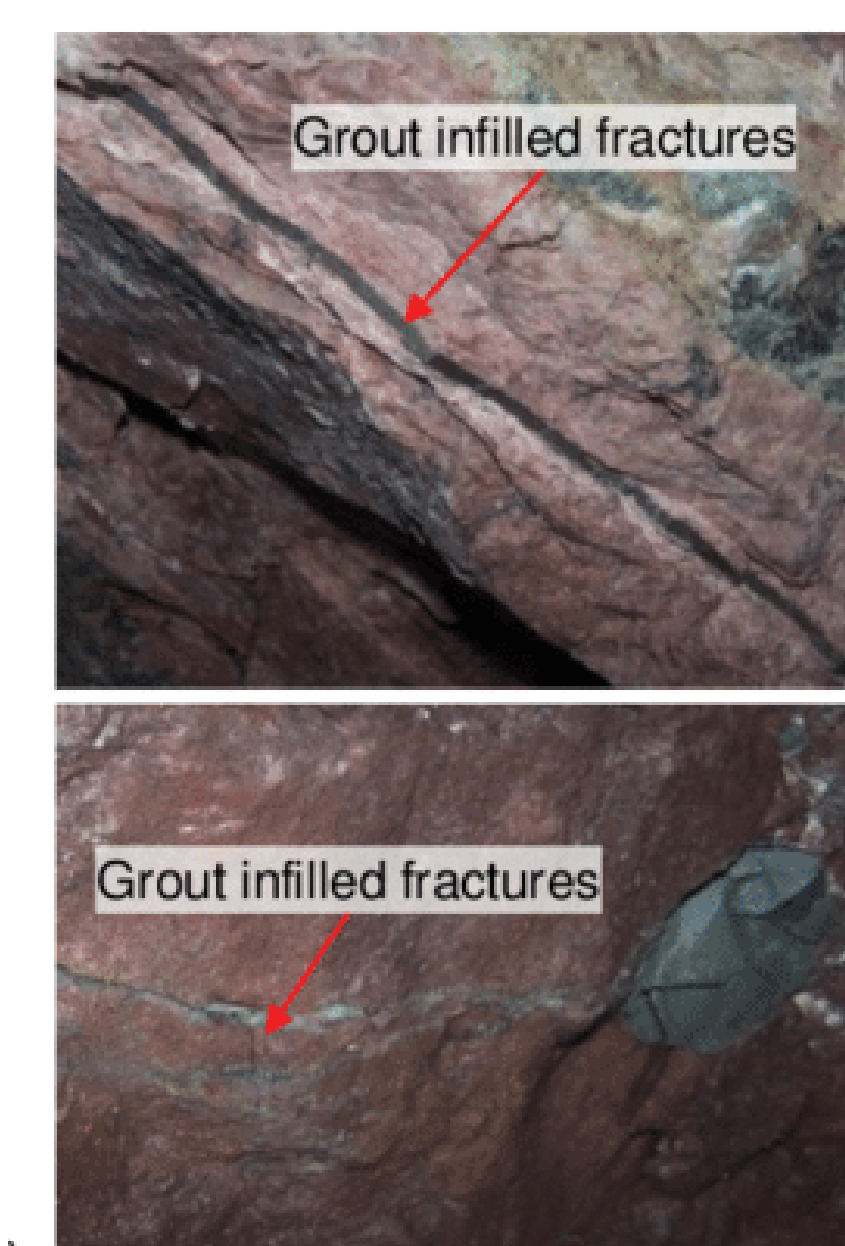
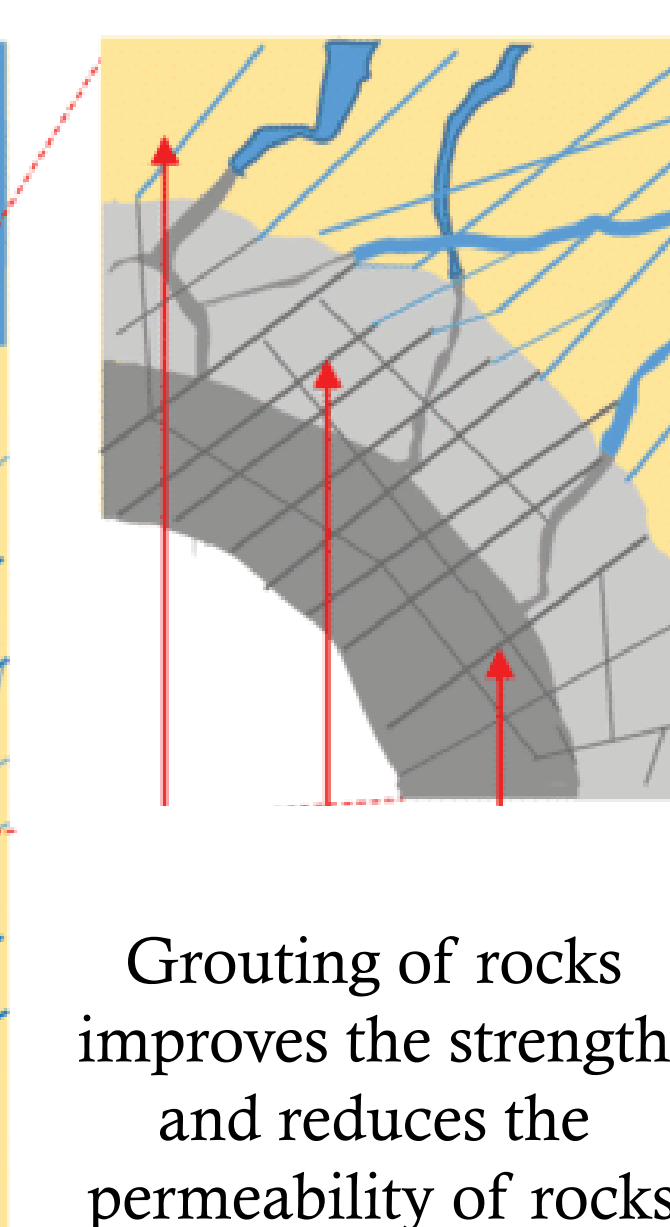
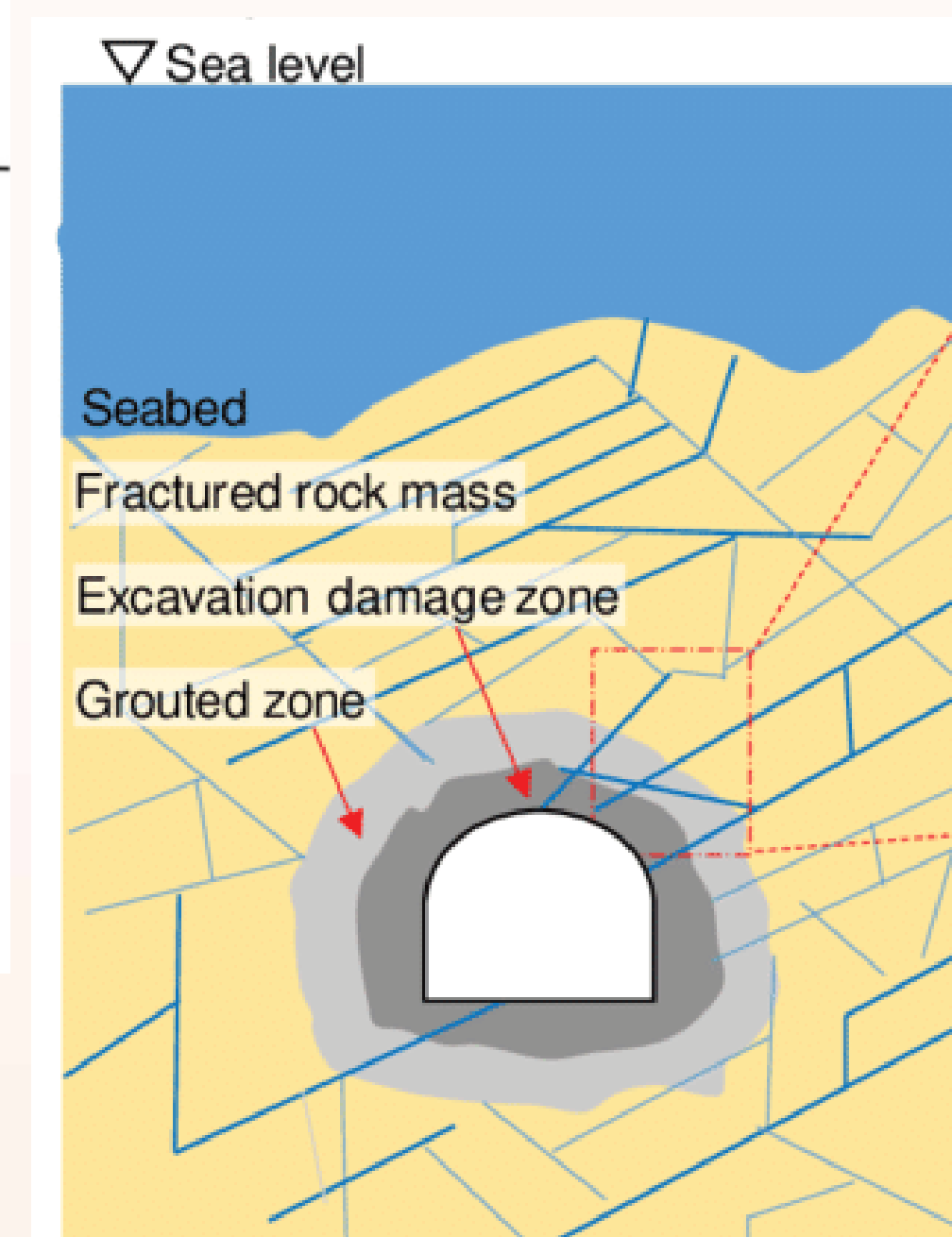
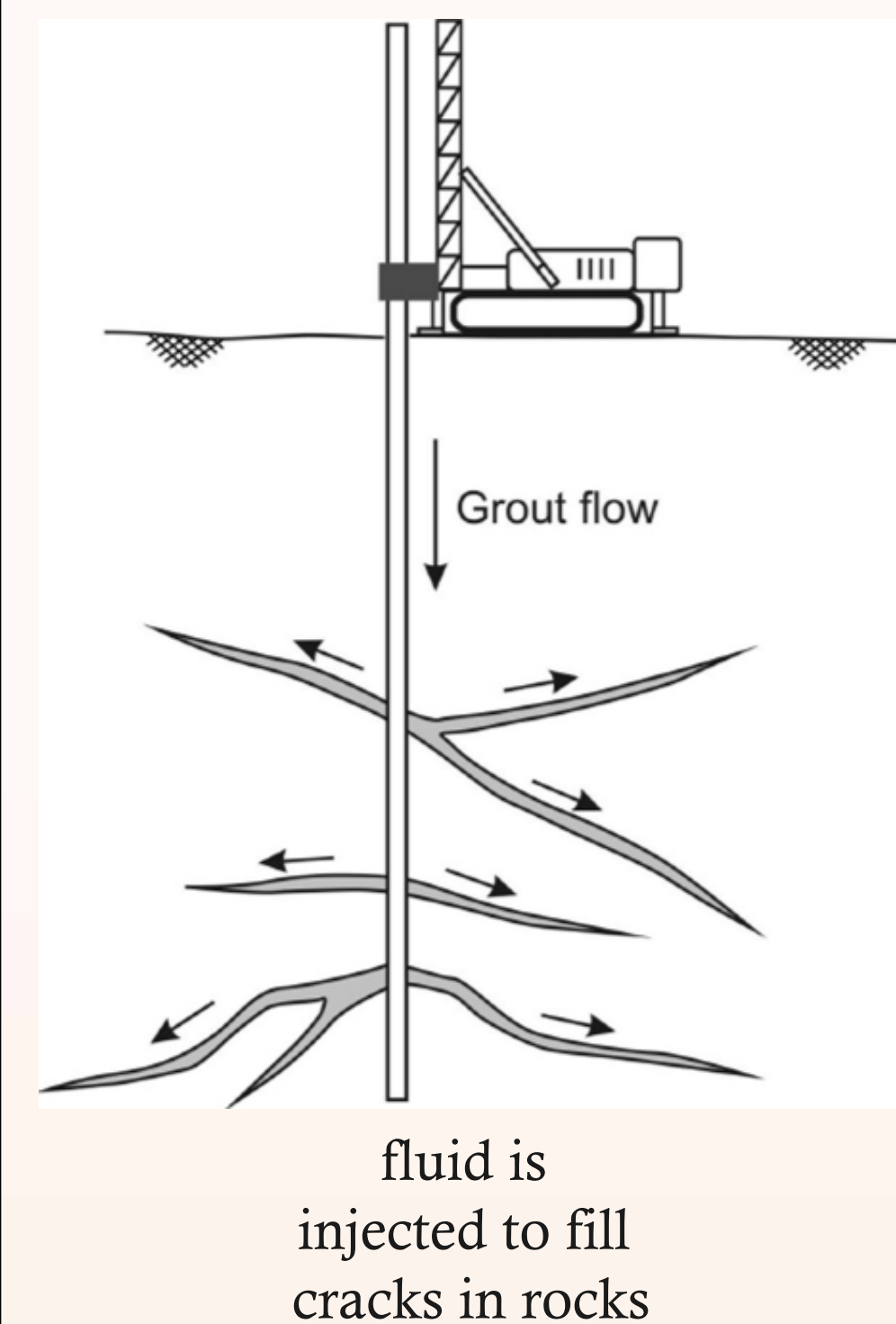


Problem ??

Rock grouting to fill cracks in rocks



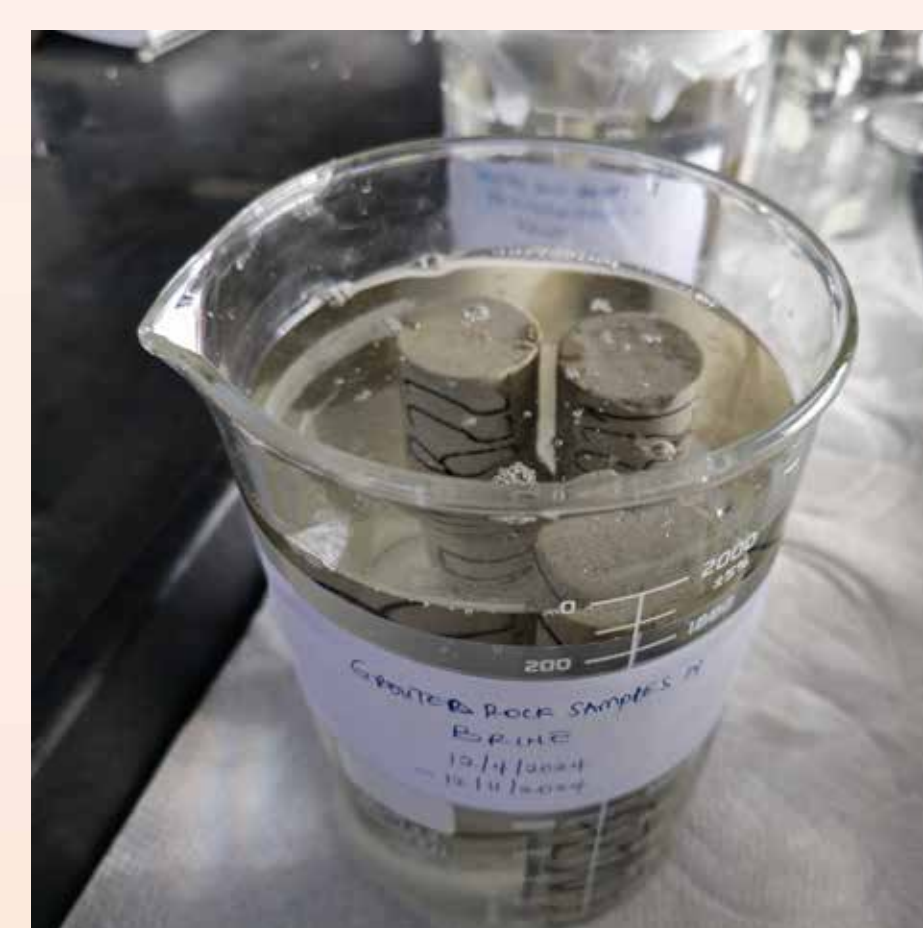
Interaction with saline water in coastal areas may have an impact on the efficiency of the grouting process



TESTING PROCEDURE



Fractures were induced on the transverse section of the rock core specimens



Grouted rocks were immersed in saltwater and freshwater for 45 days



Uniaxial compression test is carried out to determine the rock properties

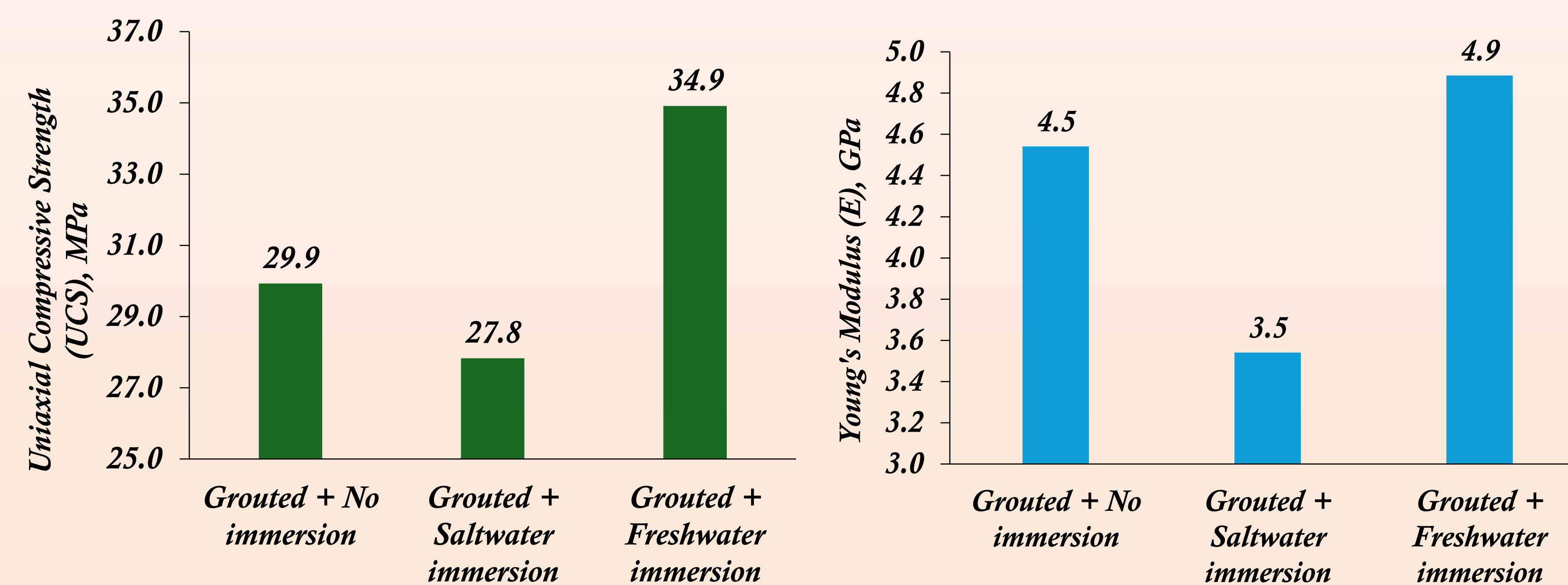


The fractured rocks were grouted



The mechanical properties of grouted rocks with interaction with saltwater and freshwater were determined

RESULTS AND CONCLUSIONS



- Interaction with saltwater reduces grouting efficiency in fractured rocks
- Interaction with freshwater increases grouting efficiency in fractured rocks