

# Creep and Weathering

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**The terrestrial, non-glacial cryosphere**

**1: Soil creep**

**2: Bedrock weathering**

**3: Rock glaciers**

# Soil creep











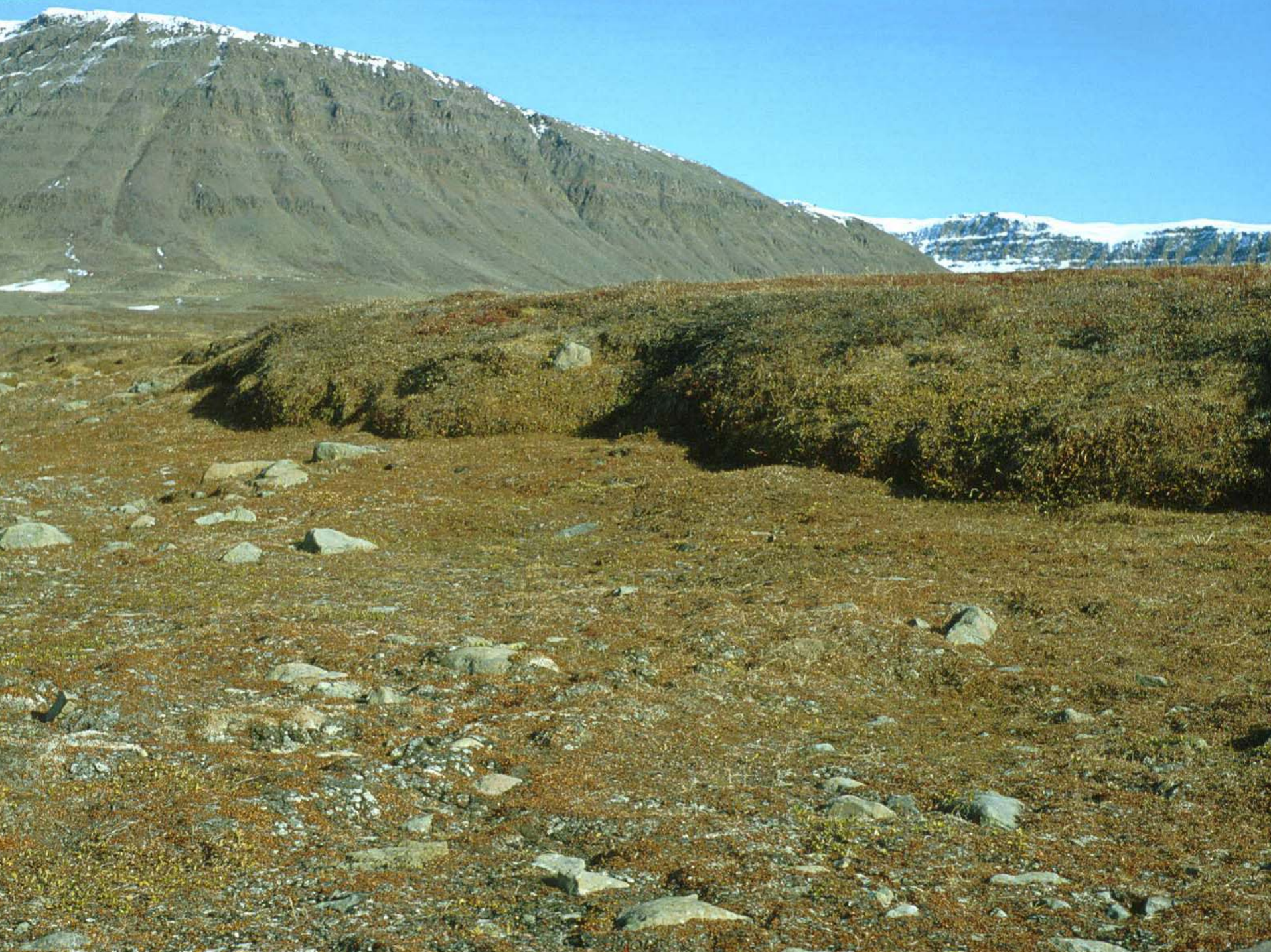




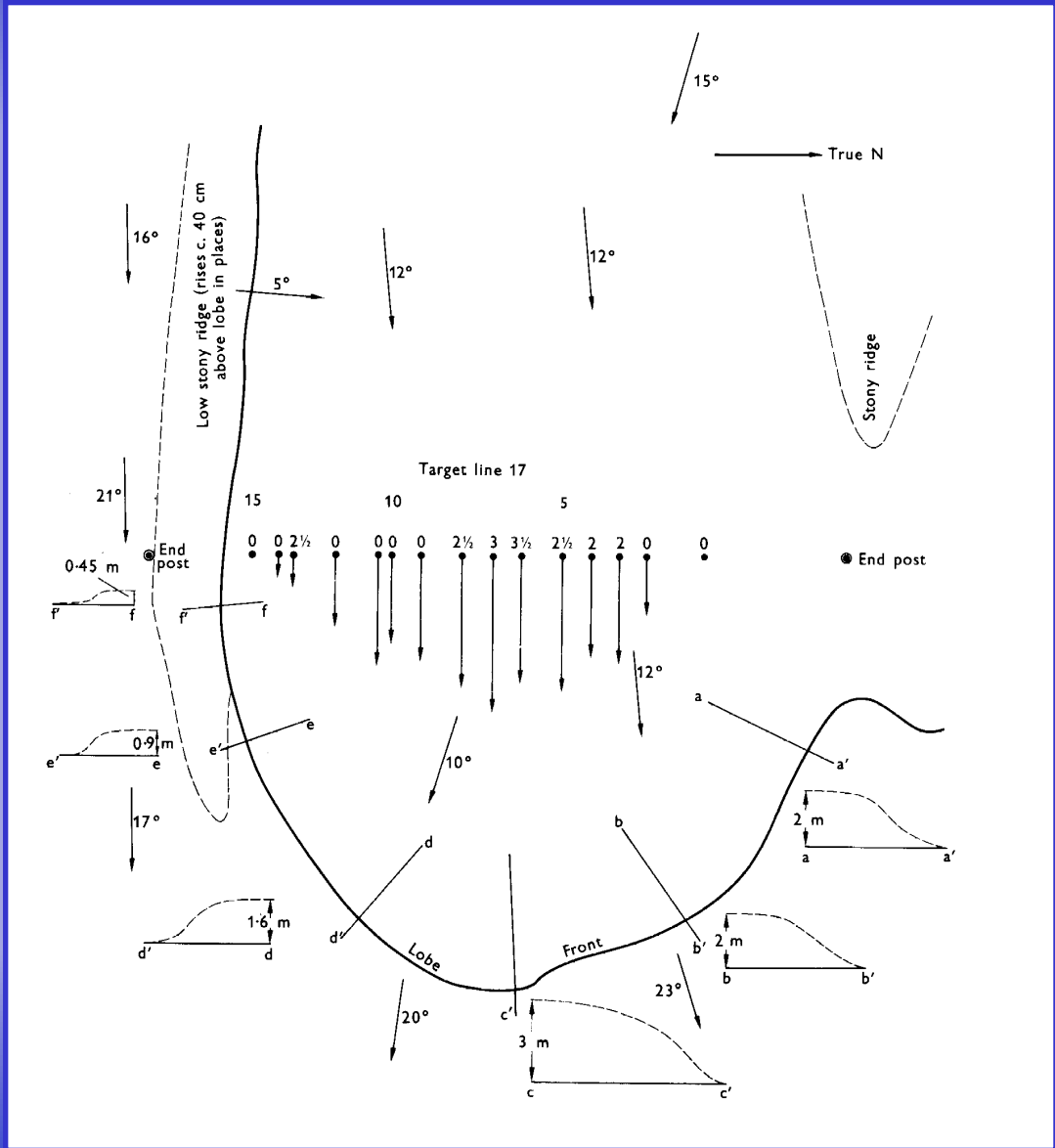




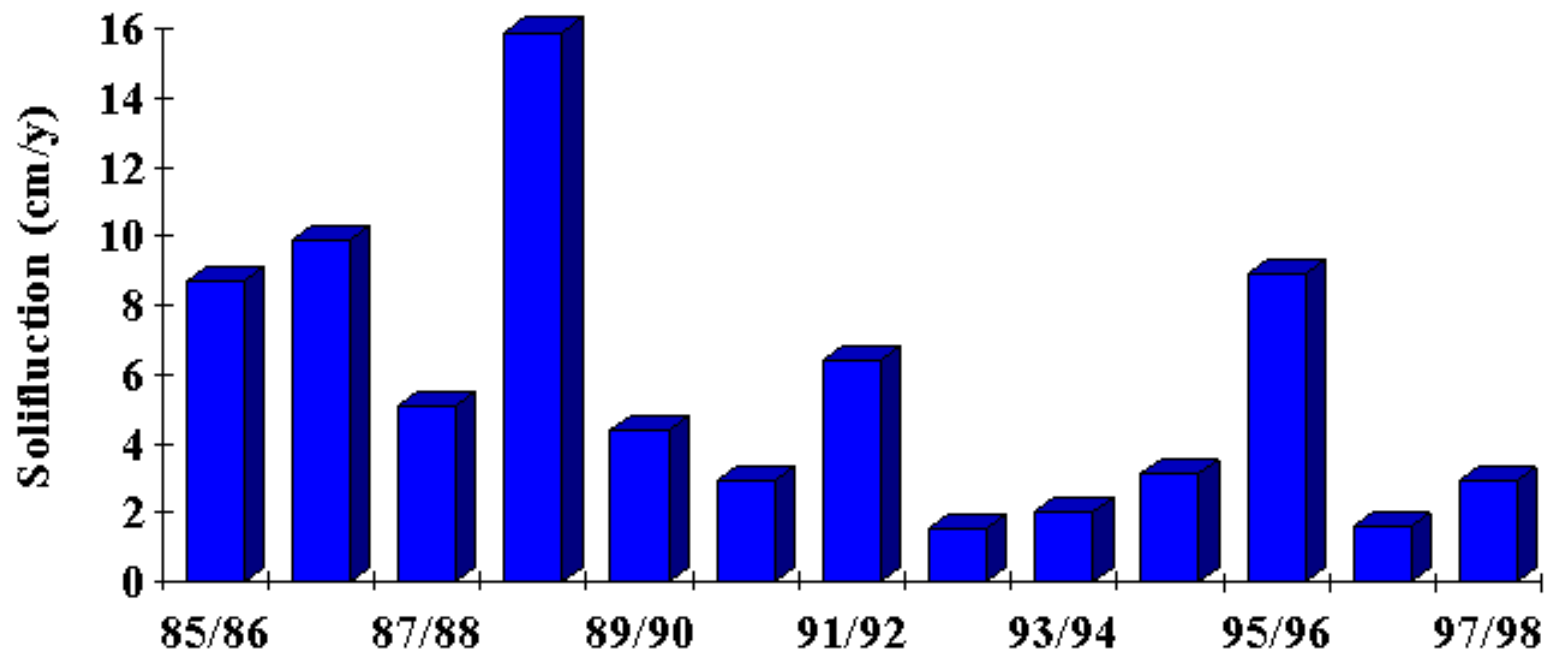








**Glorer Hütte  
Monitoring plot I (07)**















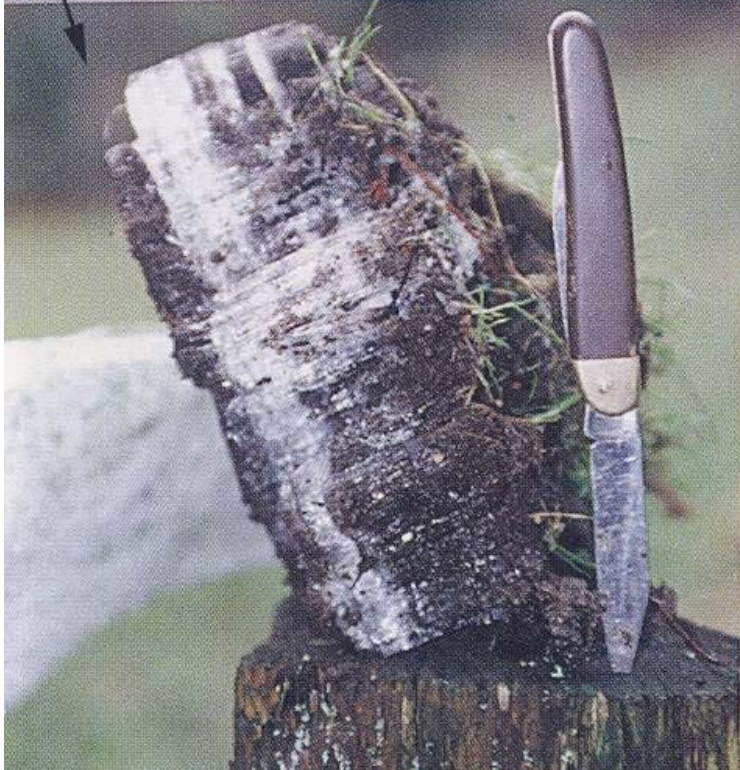




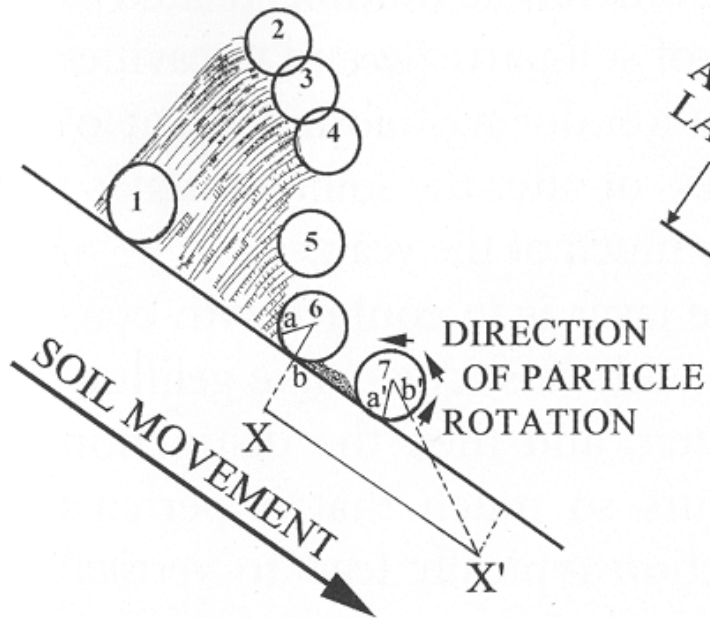




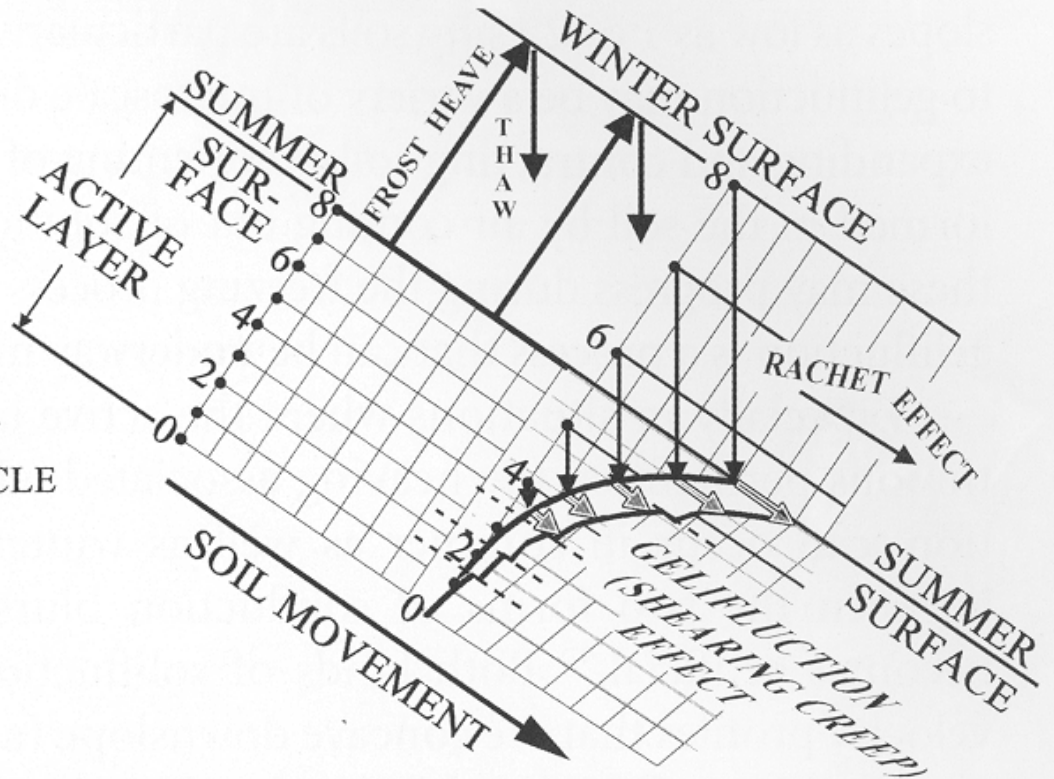








PIPKRAKE  
(NEEDLE ICE)  
SOIL TRANSPORT

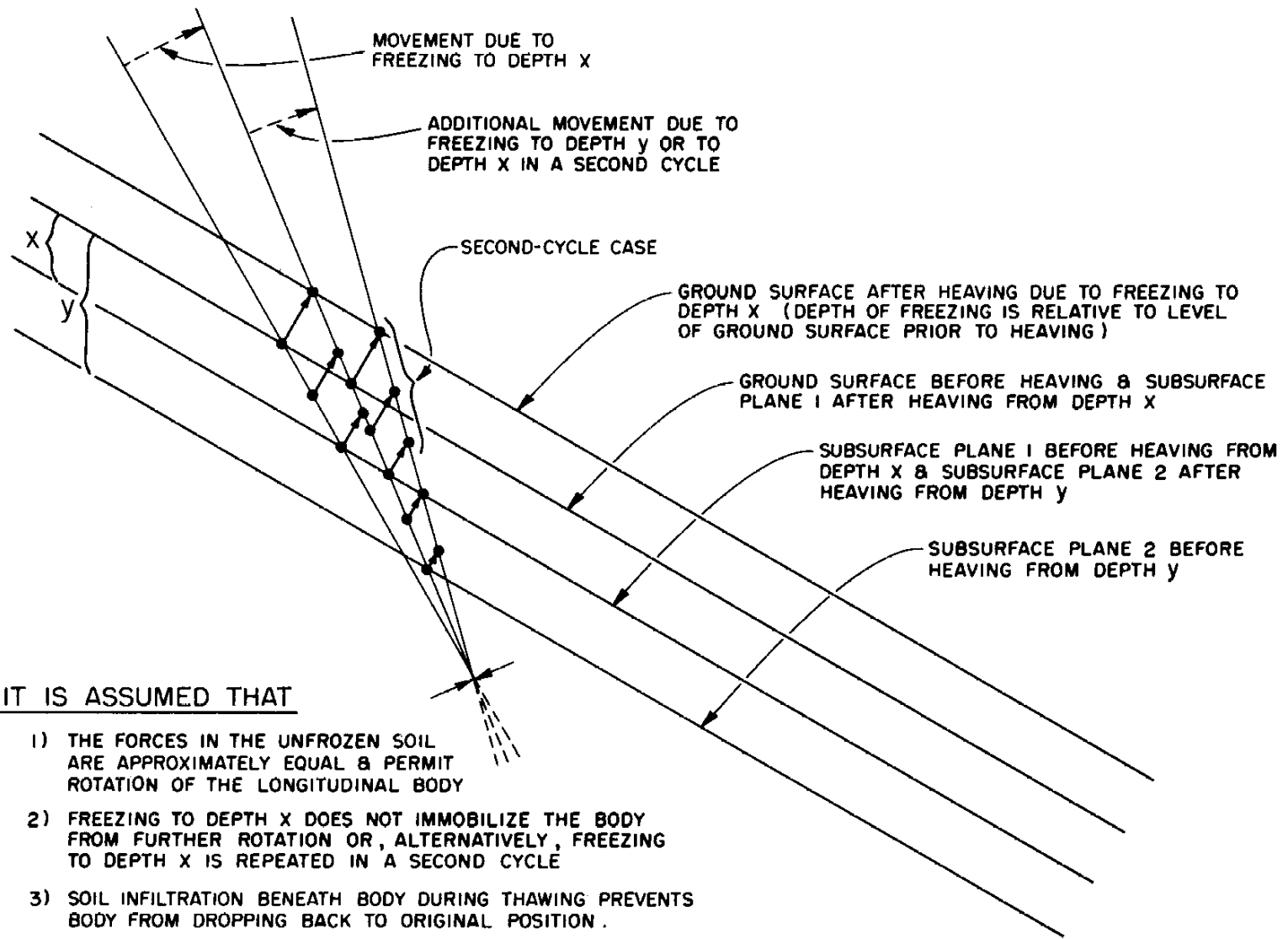


FROST CREEP (FROST HEAVE RATCHETING)  
AND GELEFRACTION (SHEARING) CREEP





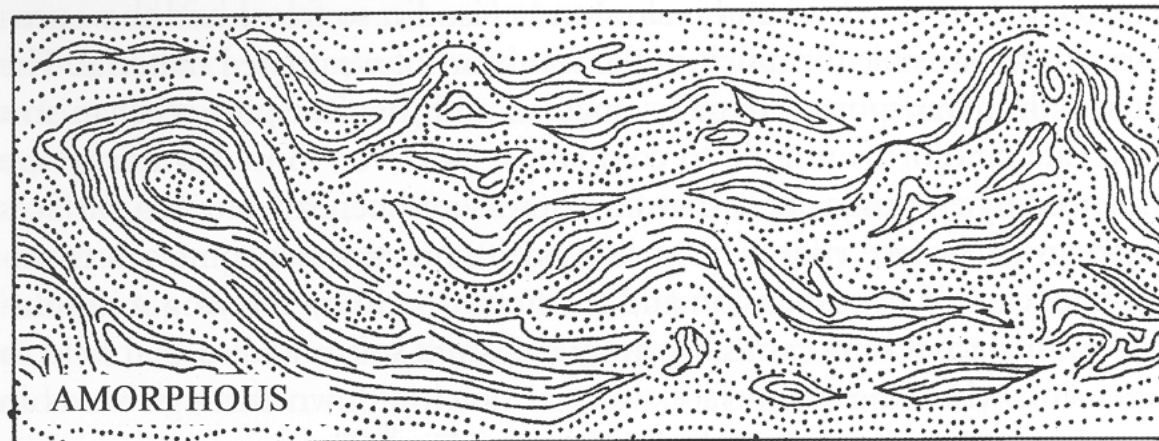
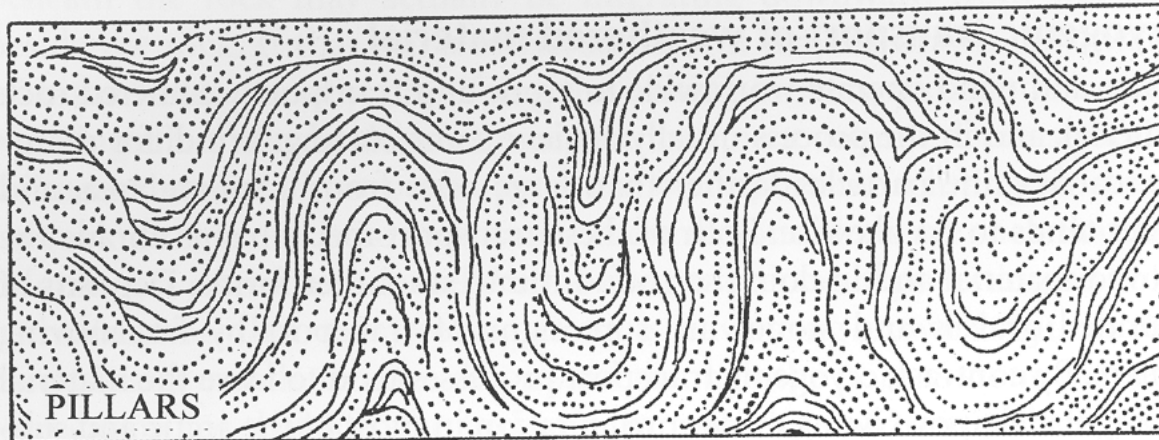
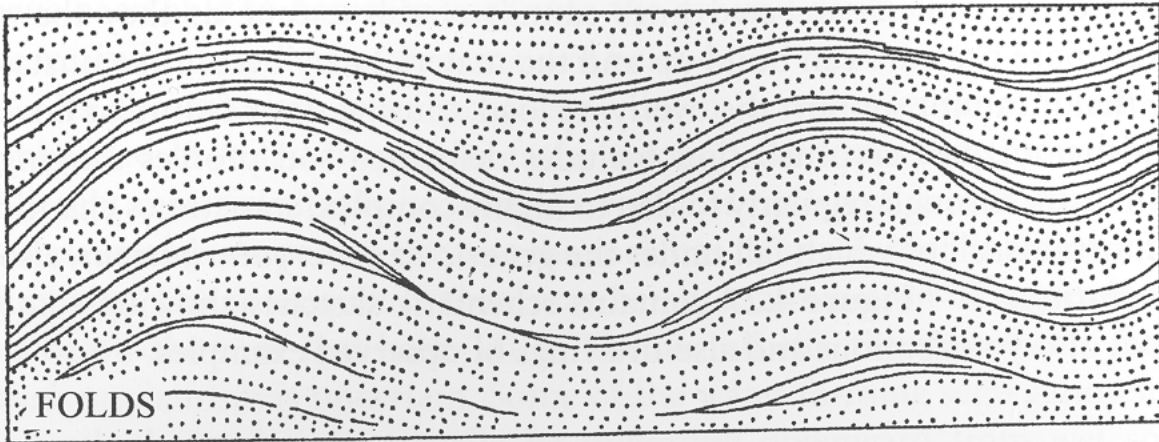






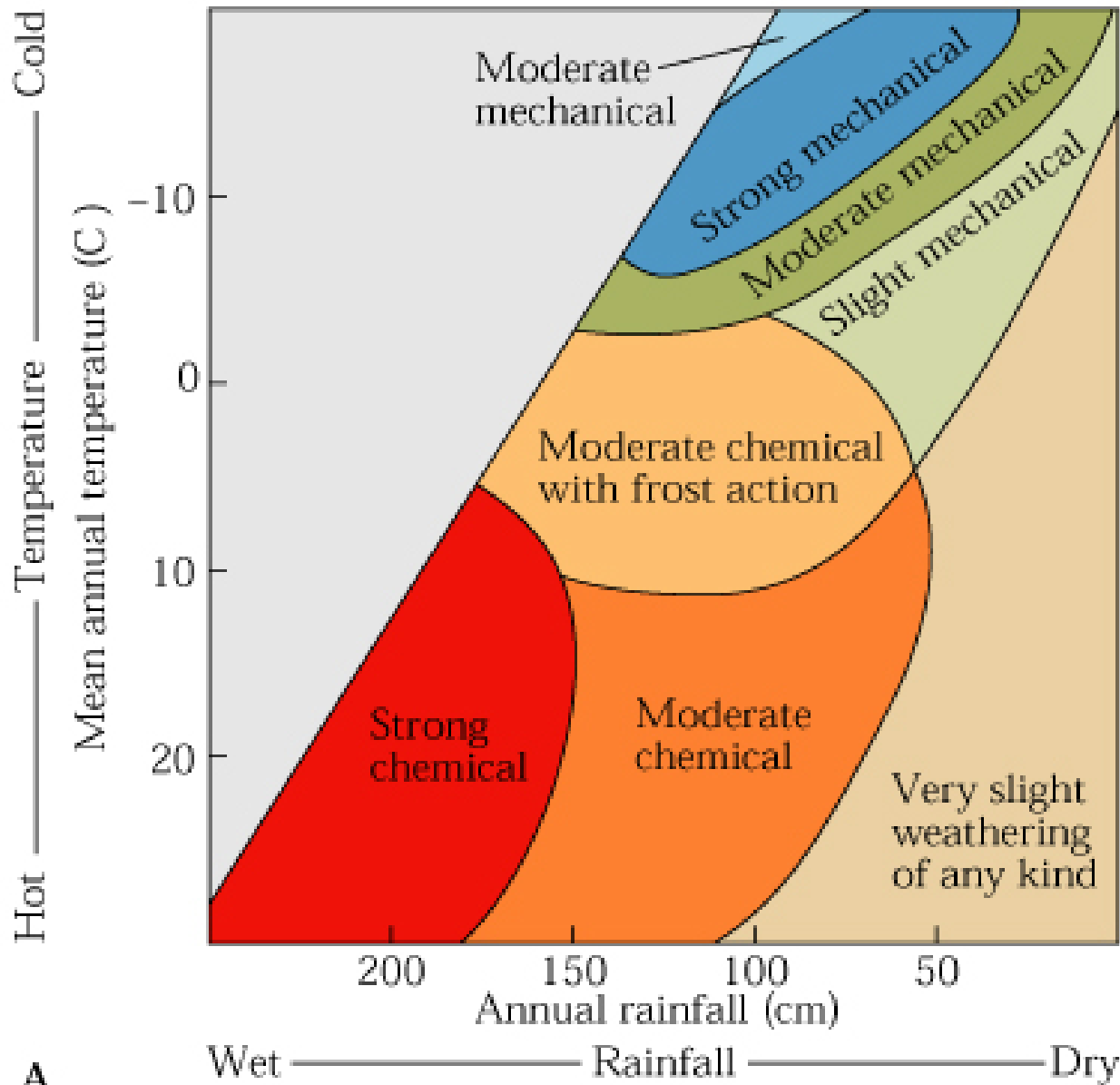






# Weathering of bedrock















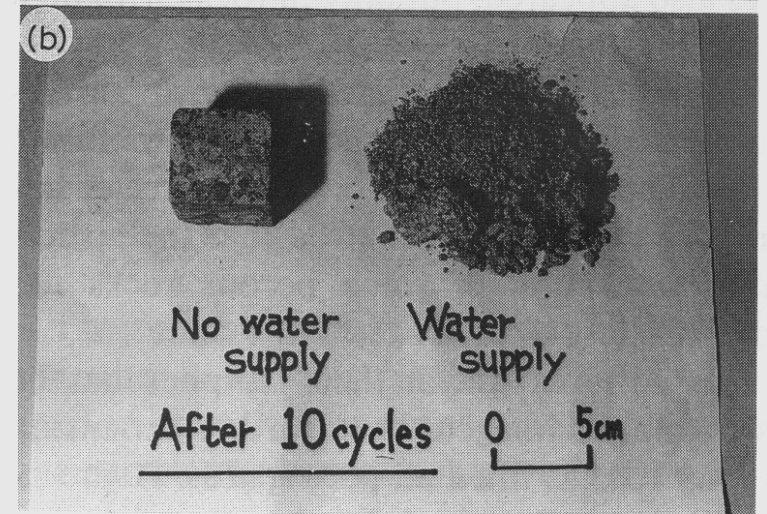
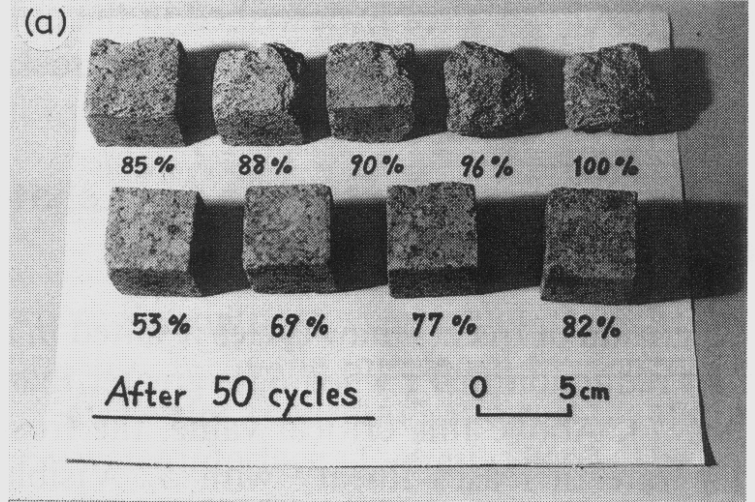






**Examples of weathering**

# The importance of water for bedrock weathering



# Rock glaciers















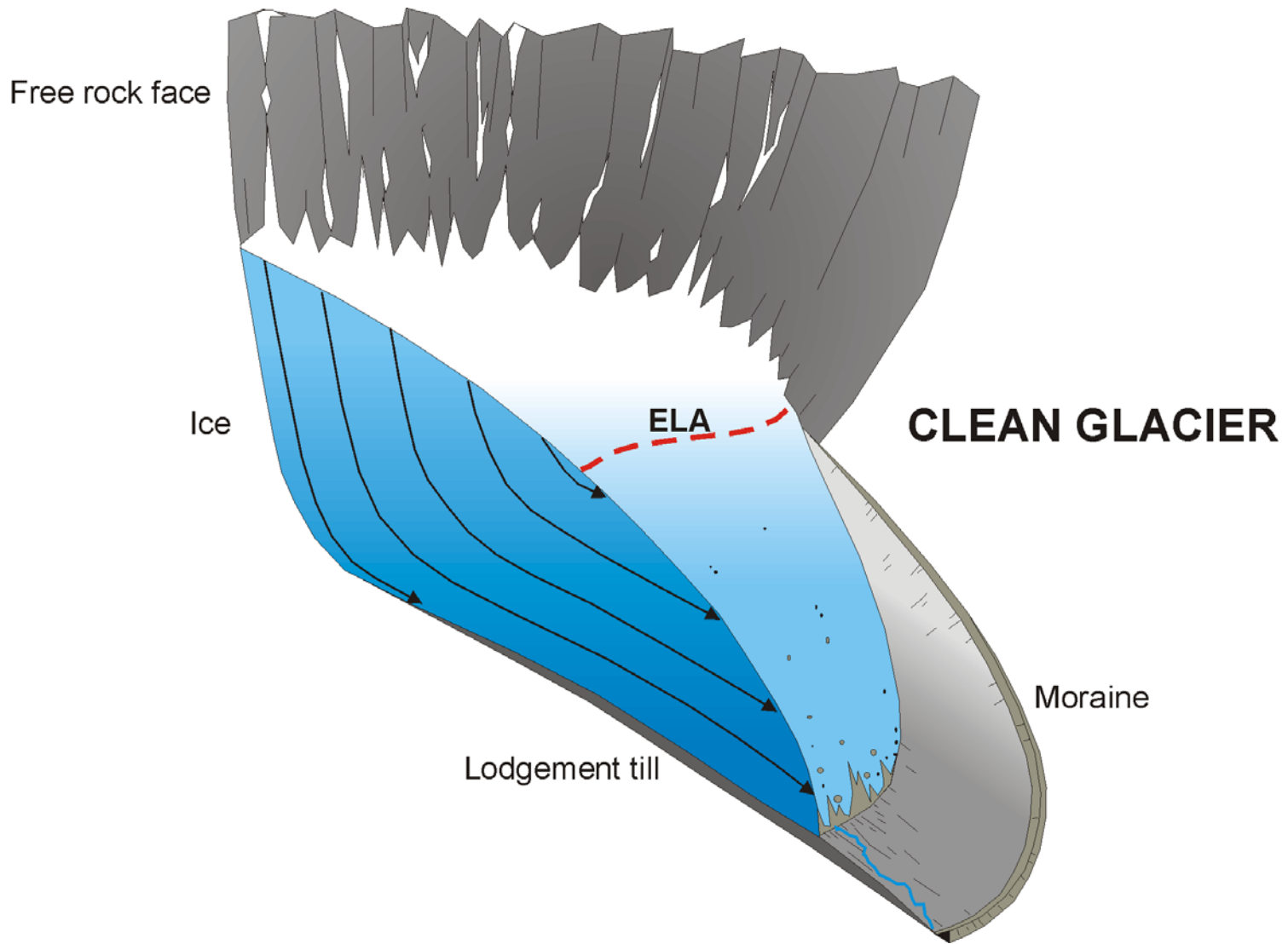


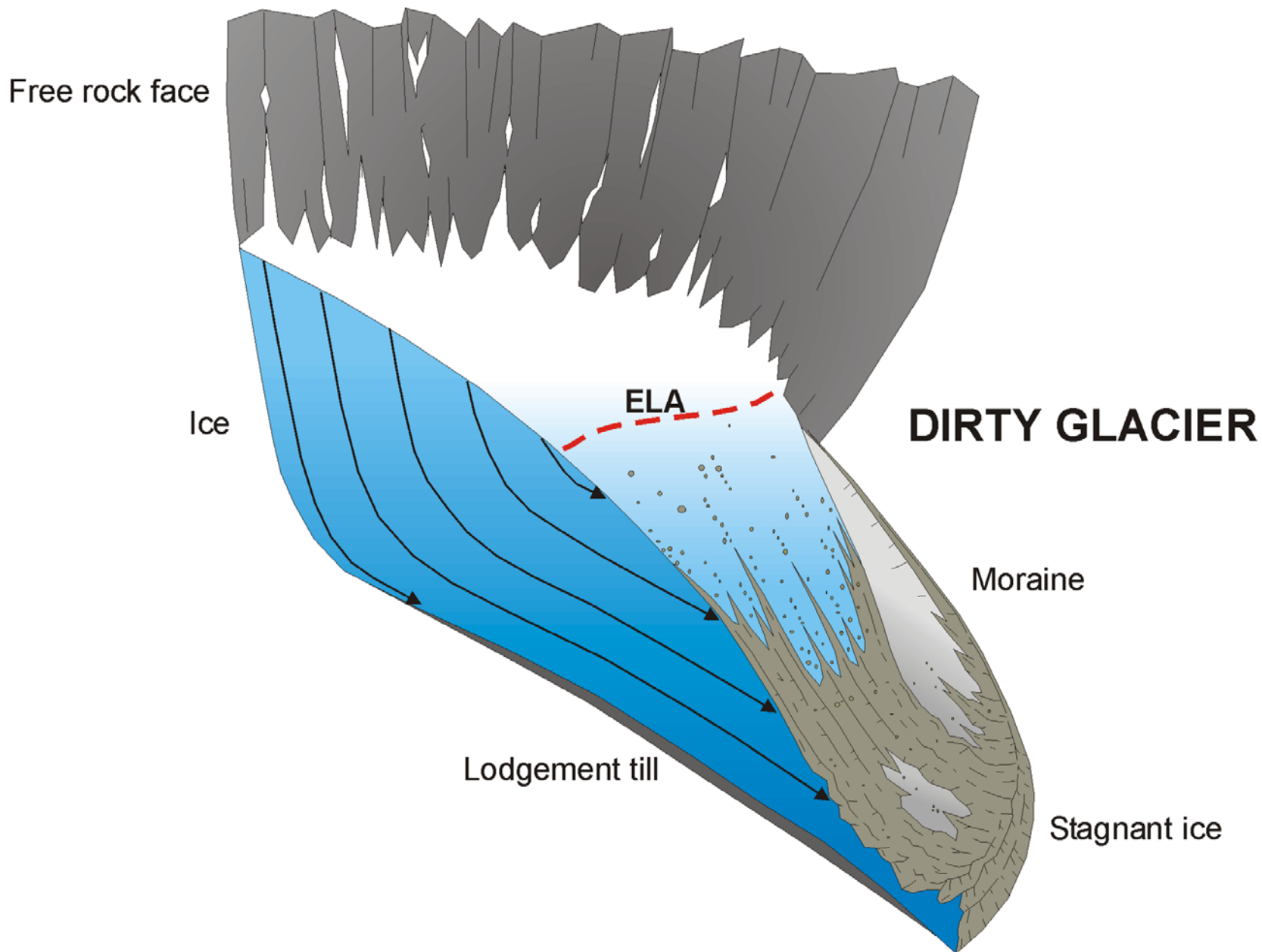




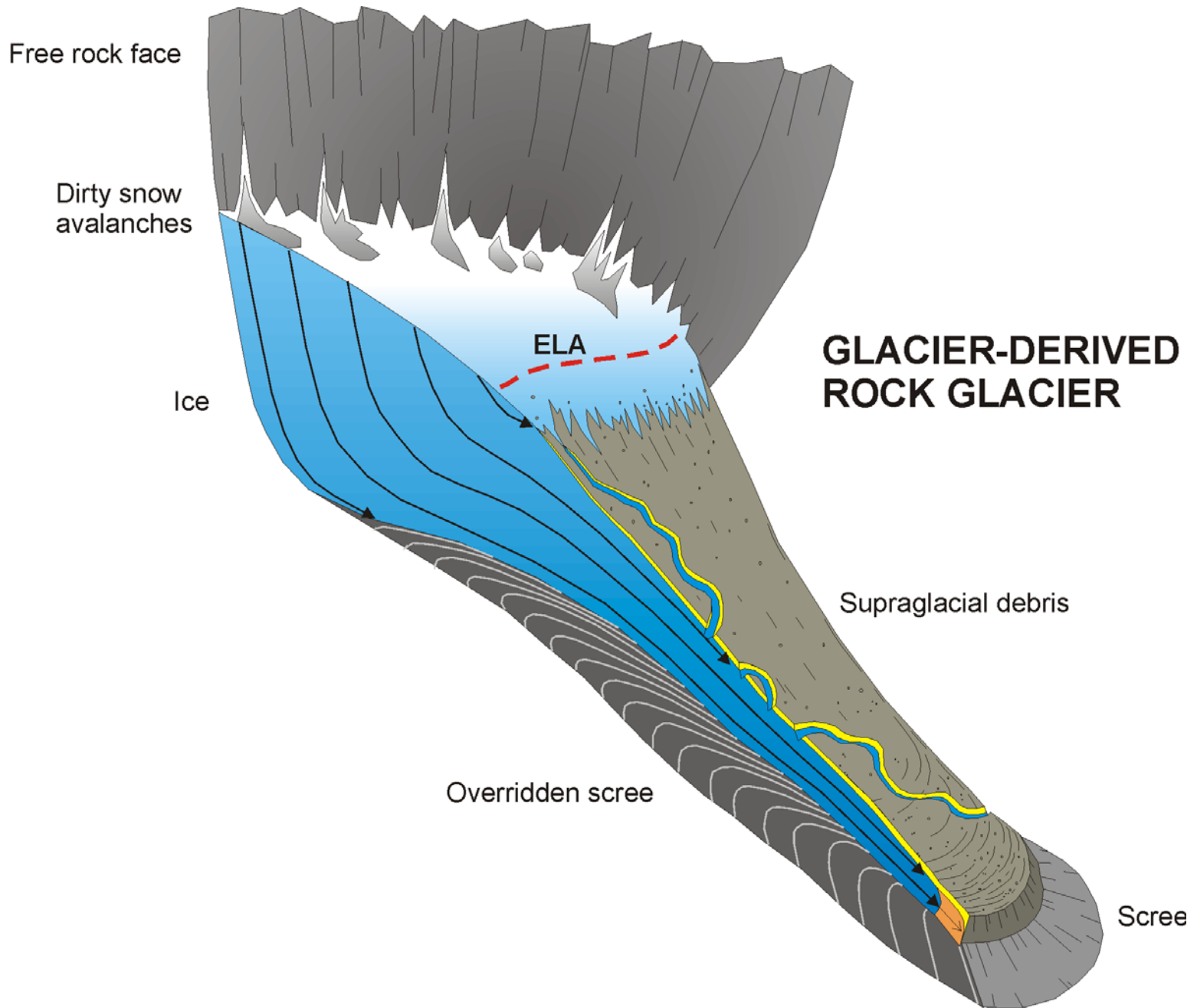
# Rock glacier interior structure

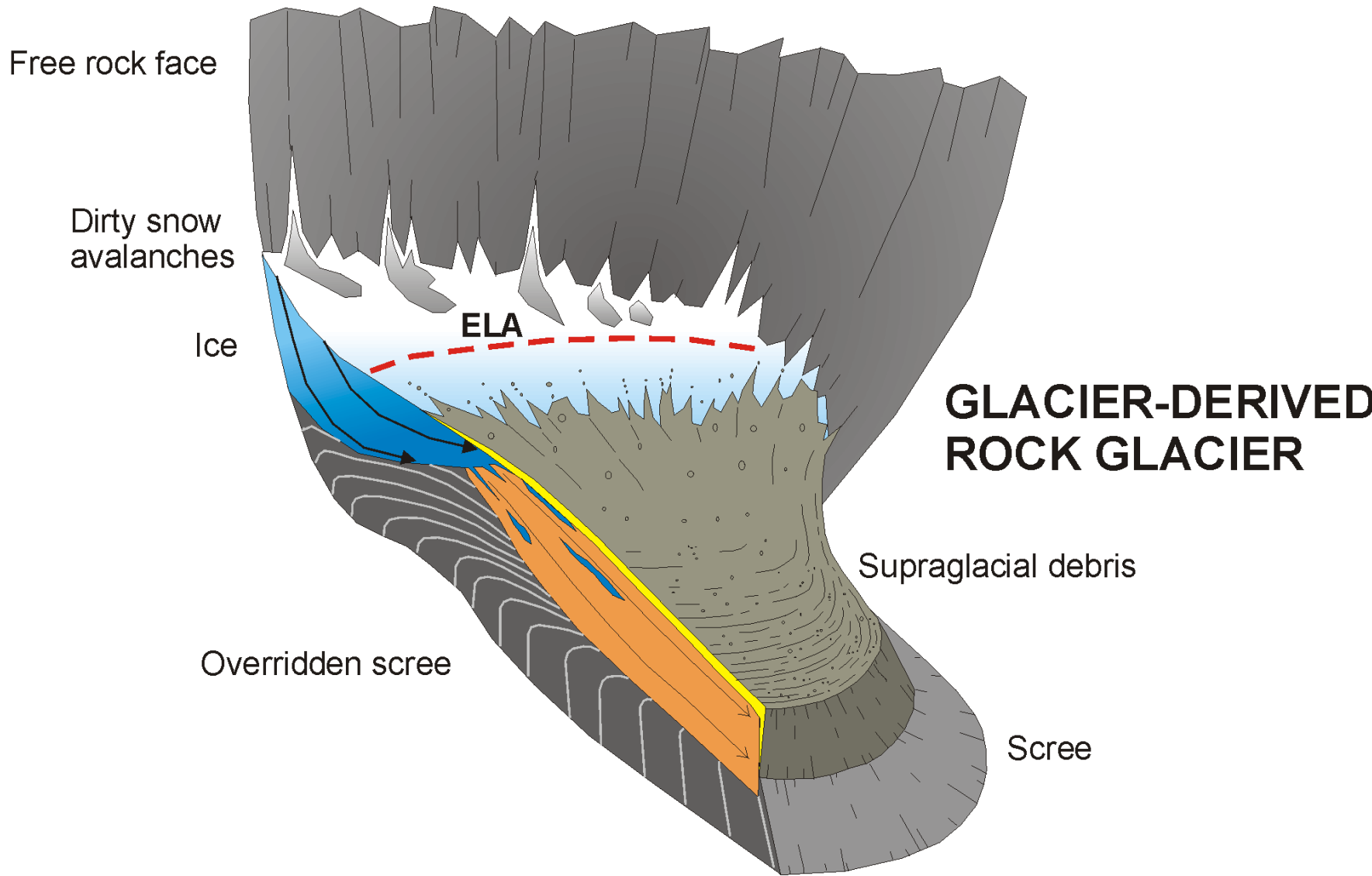


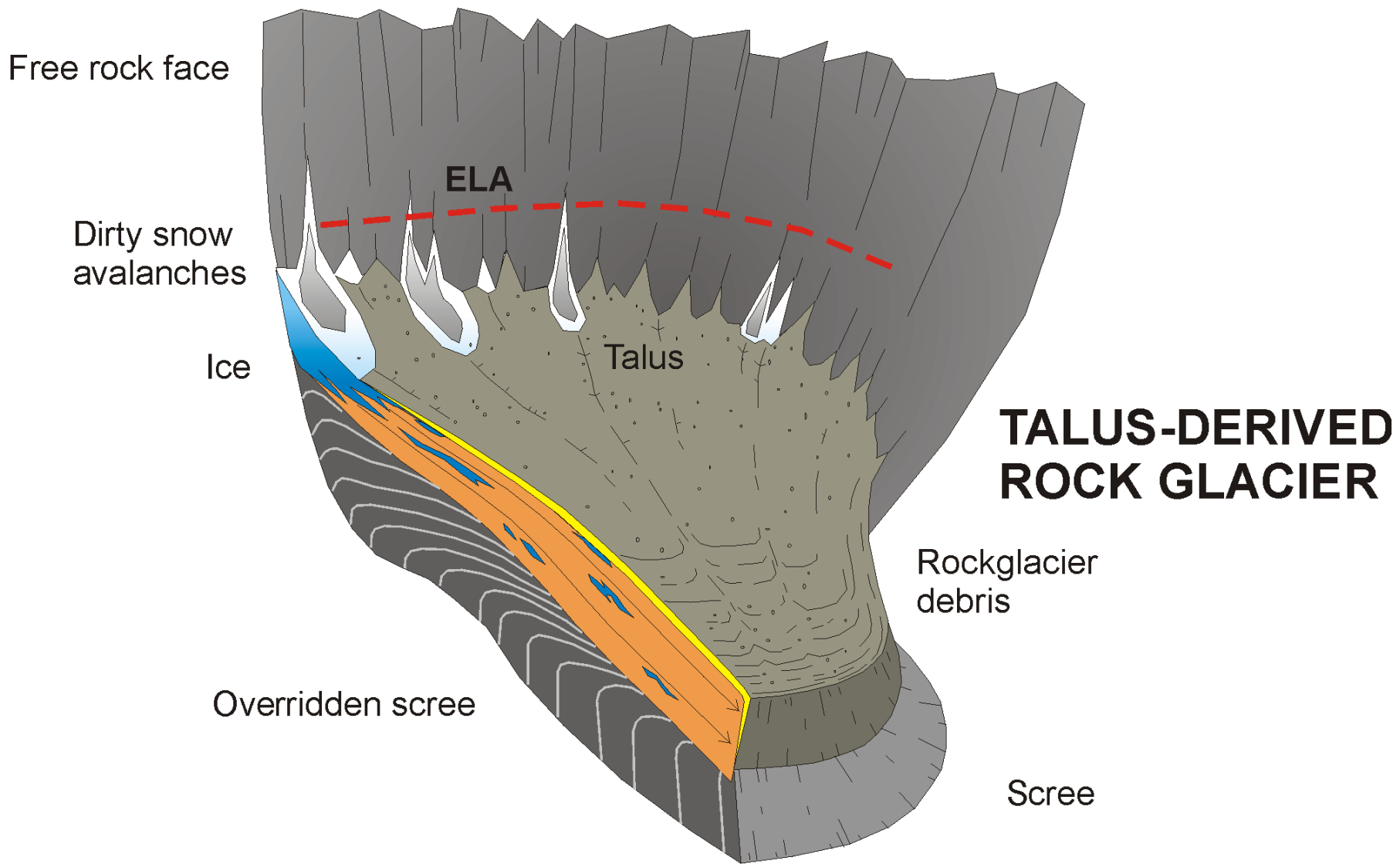


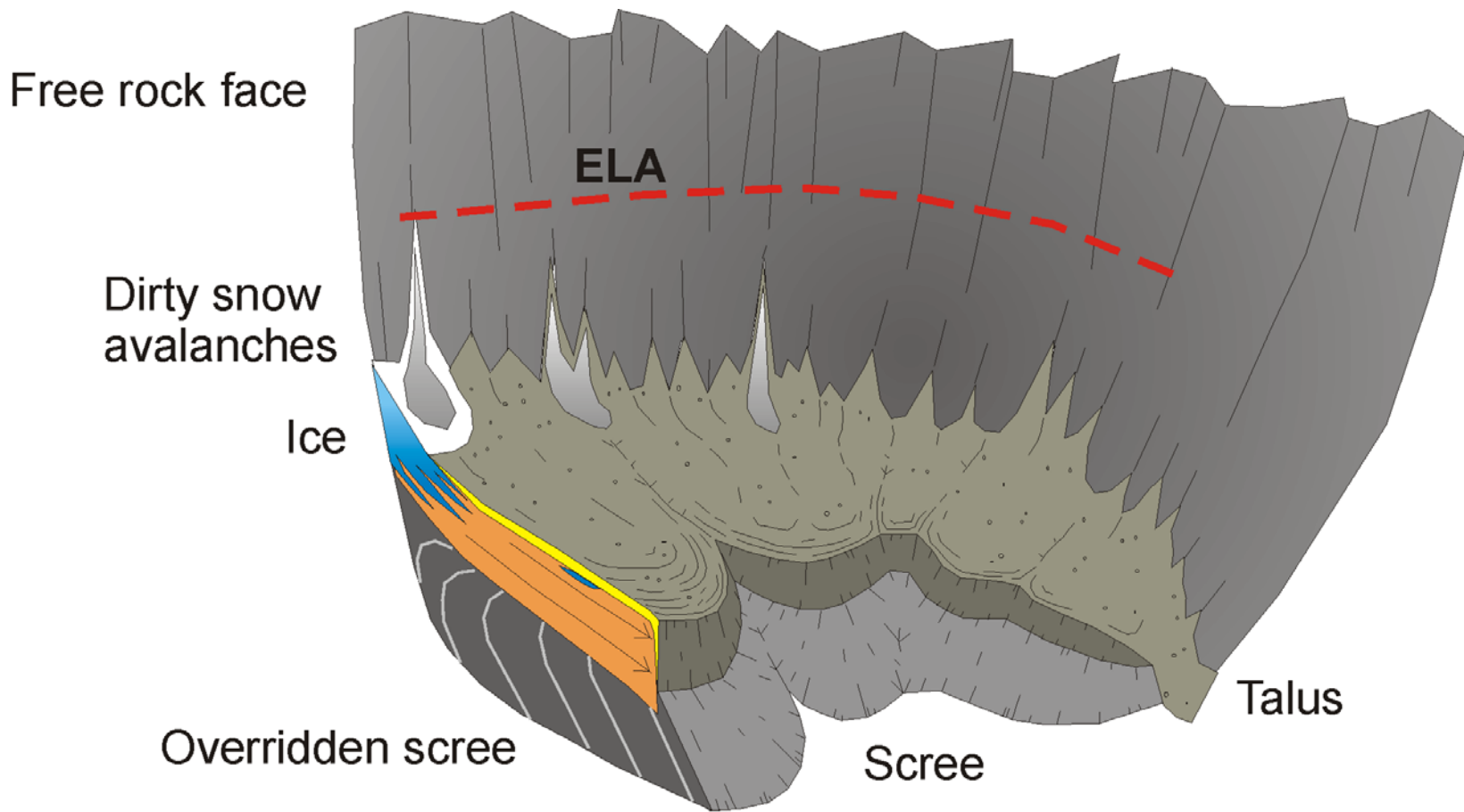












## TALUS-DERIVED ROCK GLACIER