

Le strutture erosionali

A geological hammer is placed on a rock surface to provide a scale. The rock shows distinct erosion structures, including a prominent V-shaped notch and various smaller pits and ridges. The hammer has a wooden handle and a metal head with a flat face and a pointed pick.

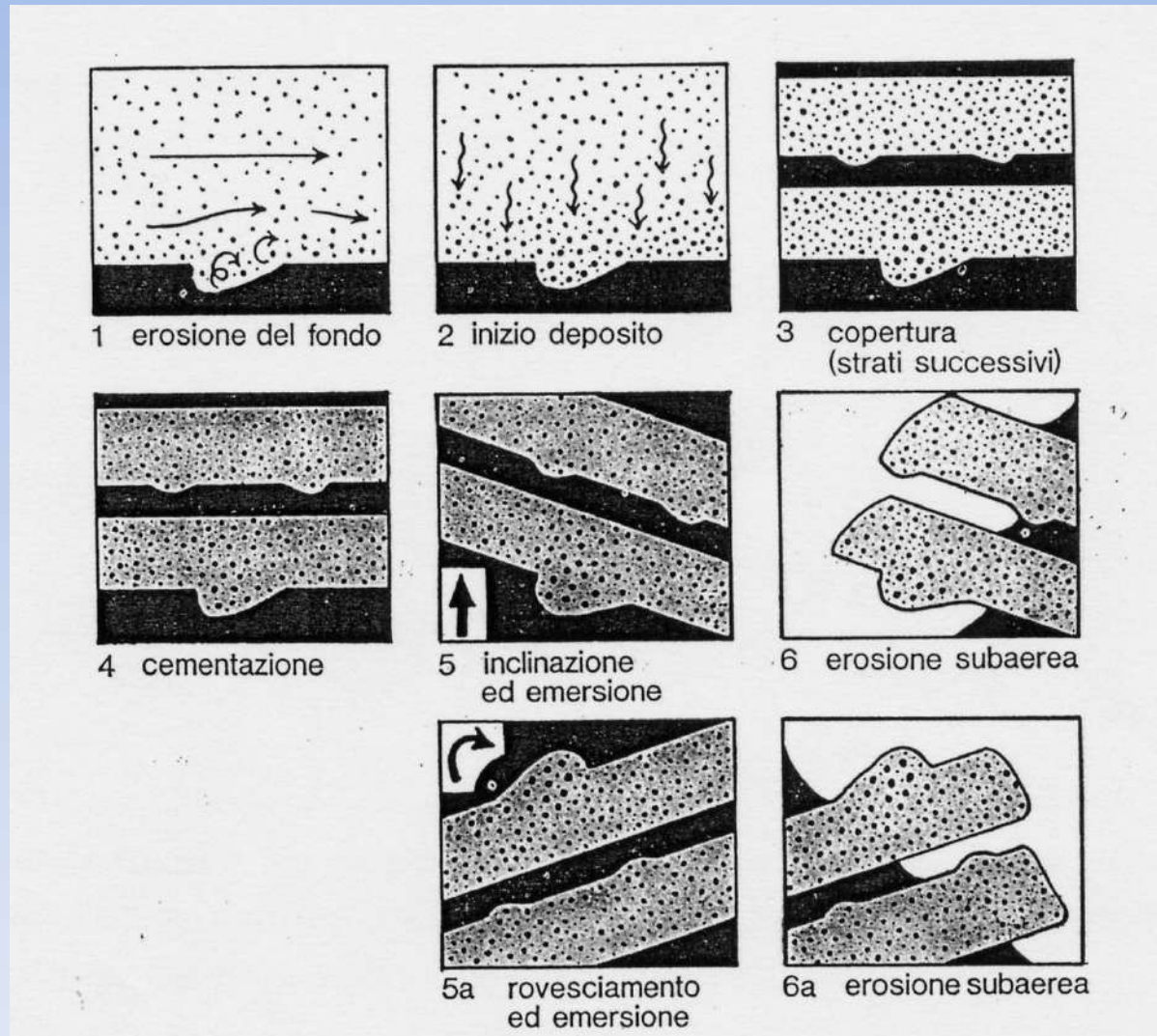
SONO IL PRODOTTO DI UN EVENTO EROSIVO

Marks e Casts

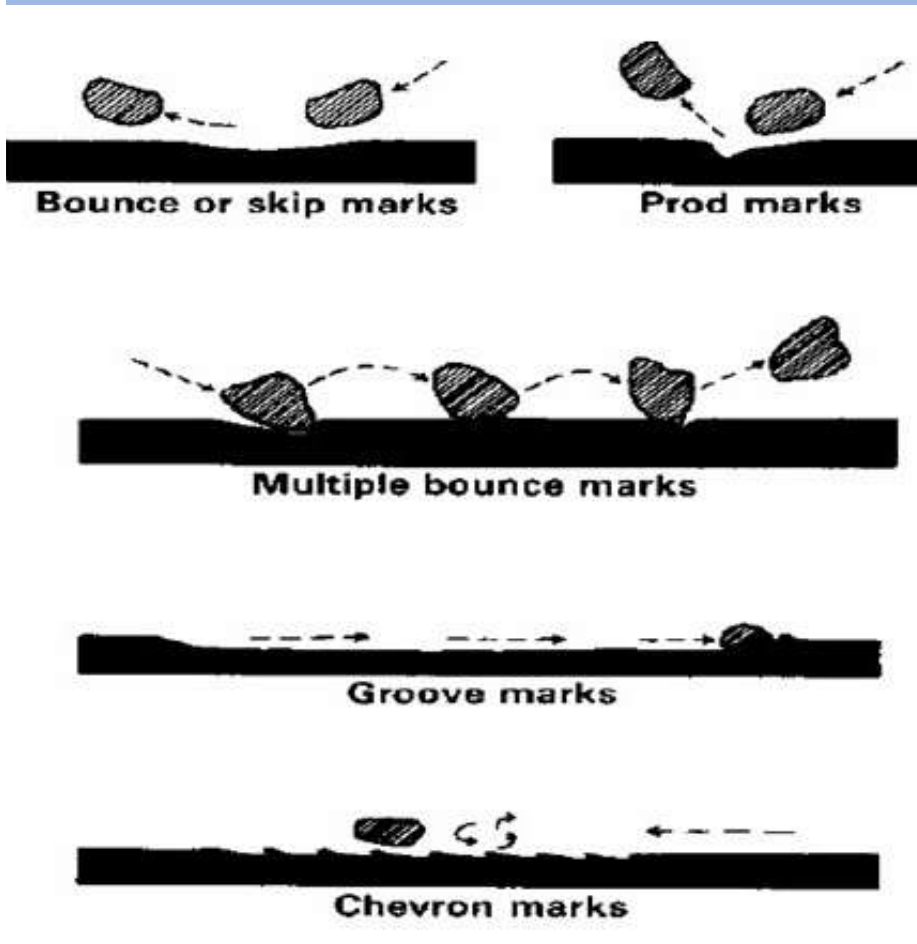
Struttura originale

Controimpronta, calco

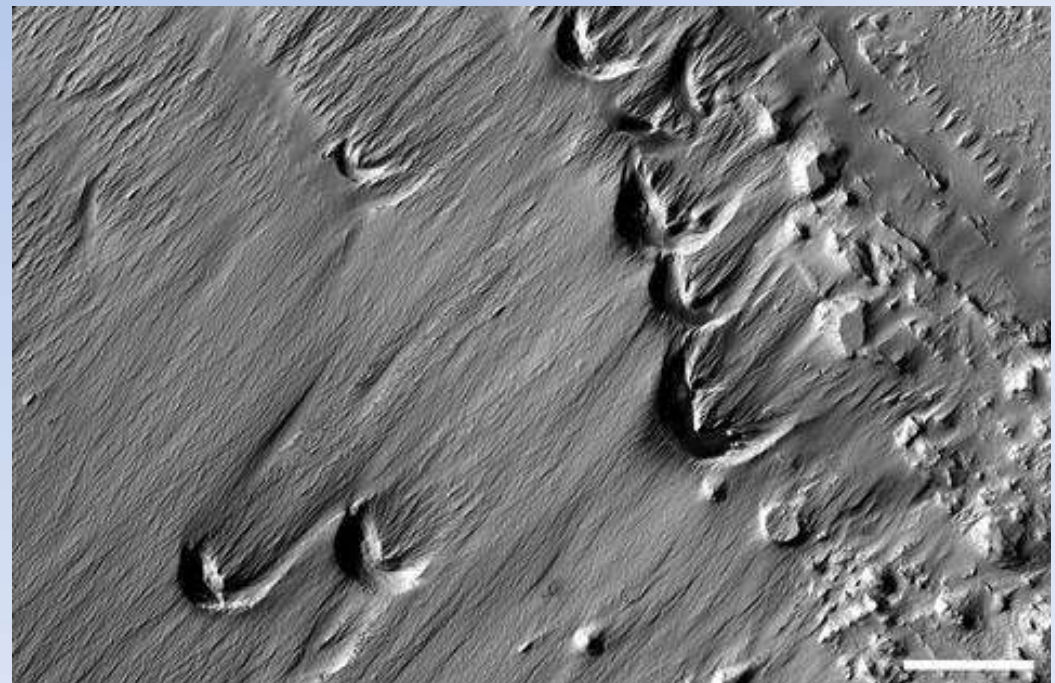
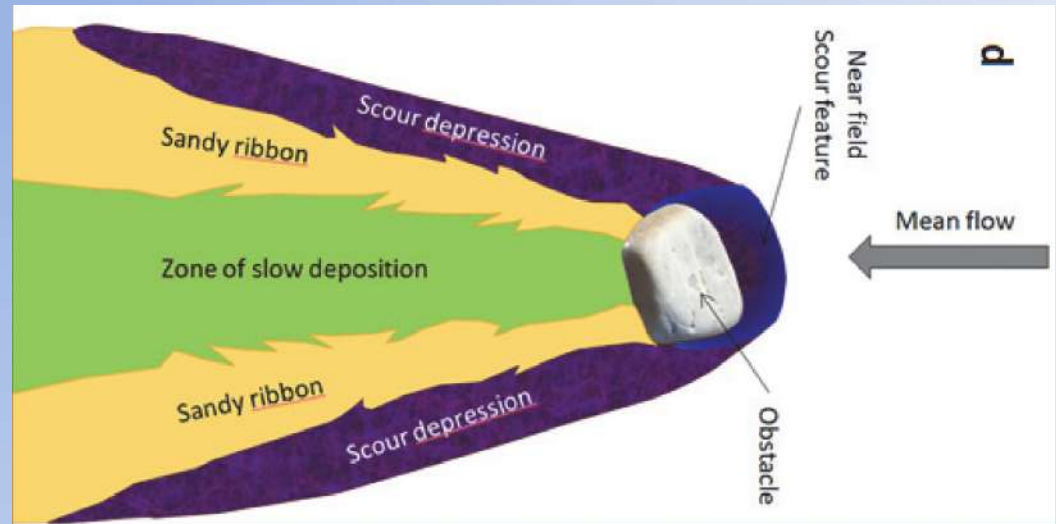
Sole mark = strutture erosionali di piccole dimensioni (termine generico)



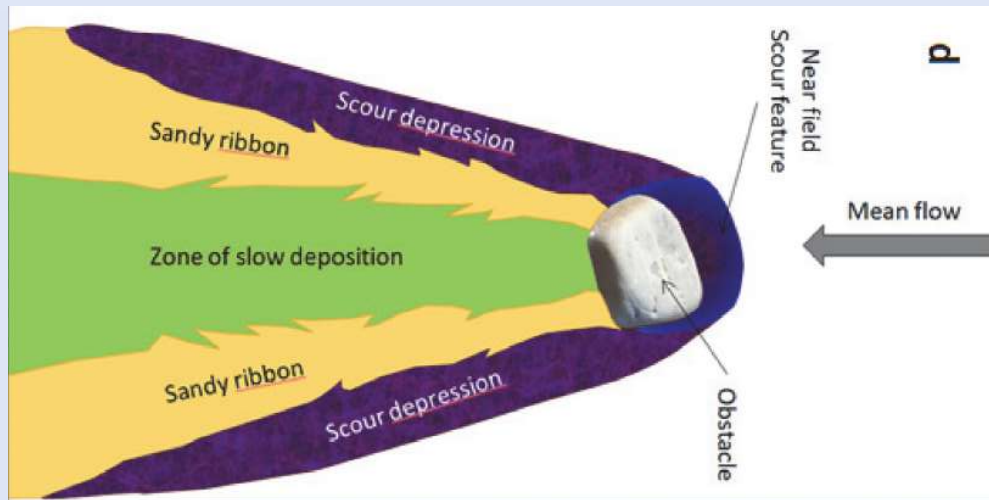
Tool e Scour Marks



Tool marks: forme prodotte dall'impatto di un corpo, un oggetto

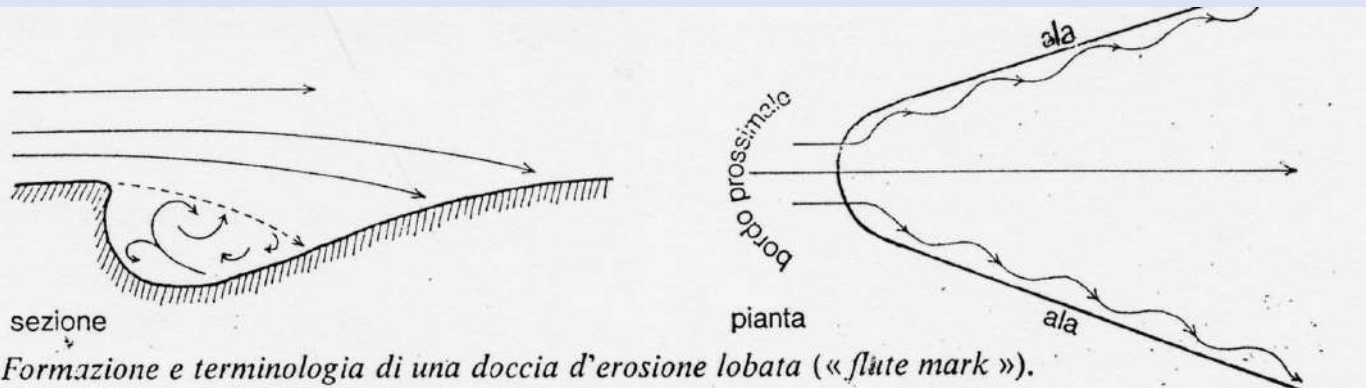


Scour marks: forme prodotte da un vortice turbolento che causa erosione



- ESEMPI di SCOUR MARKS:
Crescent

Agente: turbolenza
Causa: ostacolo



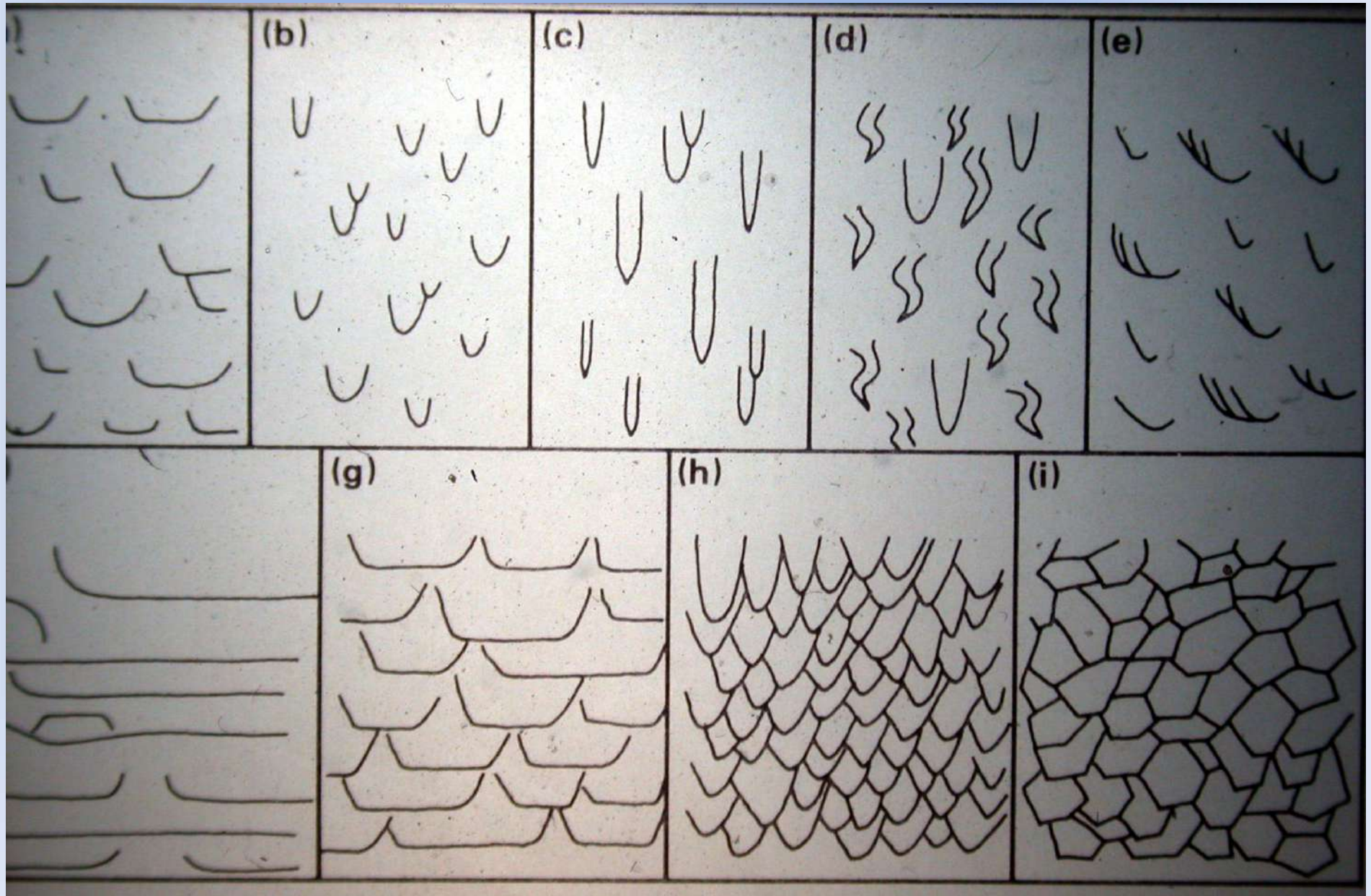
Flute casts (o mark)

turbolenza del flusso
(indicatori di verso della
corrente)



Varie forme di flutes

Verso della corrente



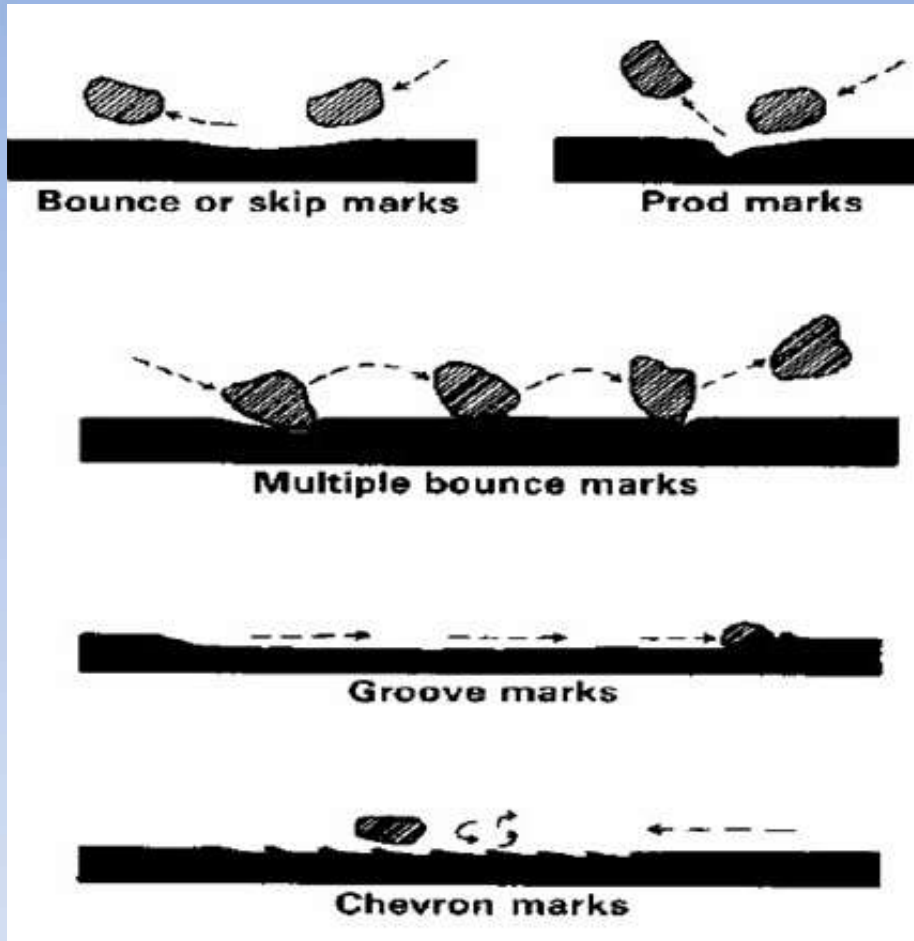
Flutes





- scour
subaereo
(obstacle
scour)

Tool marks



distinzione in base alle modalità
con le quali l'oggetto ha impattato
il fondo

Groove casts



Groove casts





Groove casts

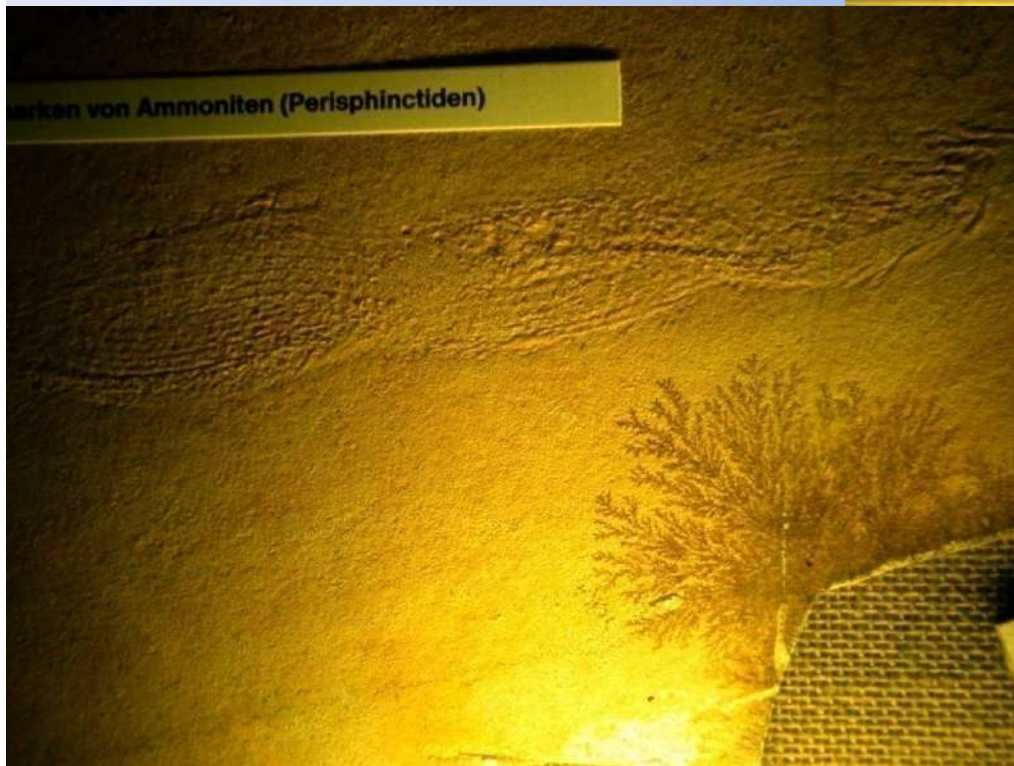


Bounce marks

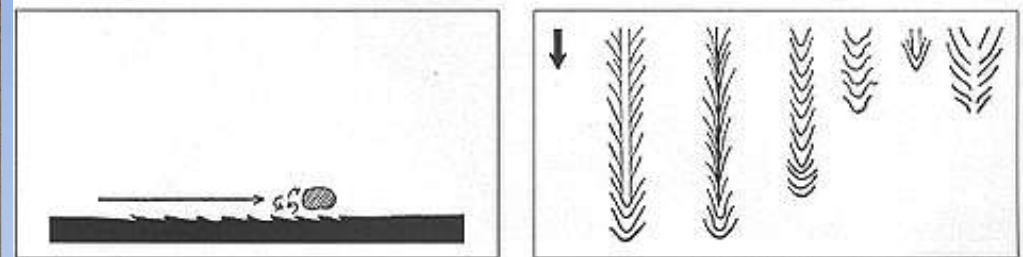
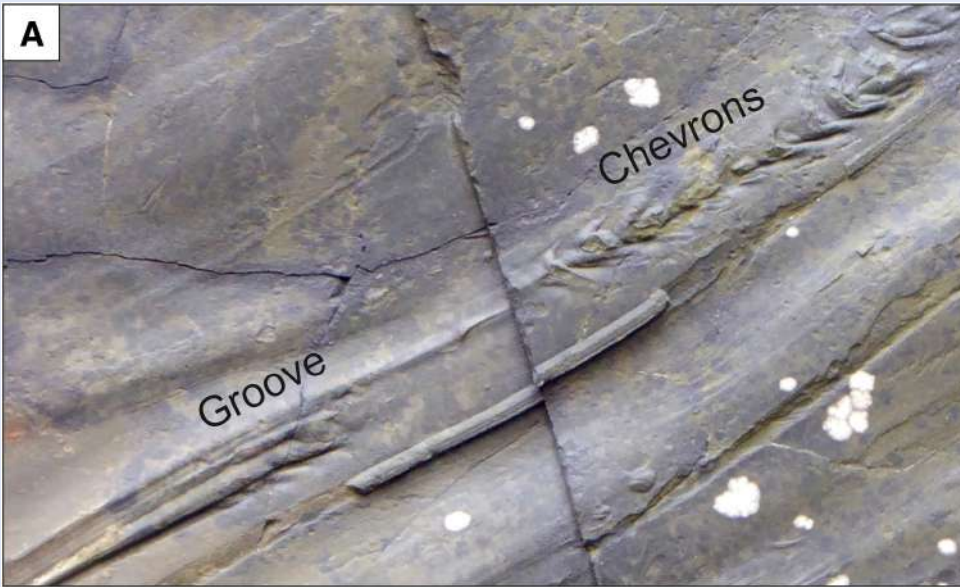
Rollmarks (ammoniti)



Rollmarken von Ammoniten (Perisphinctiden)



Rollmarken von Ammoniten (Perisphinctiden)



Chevron marks

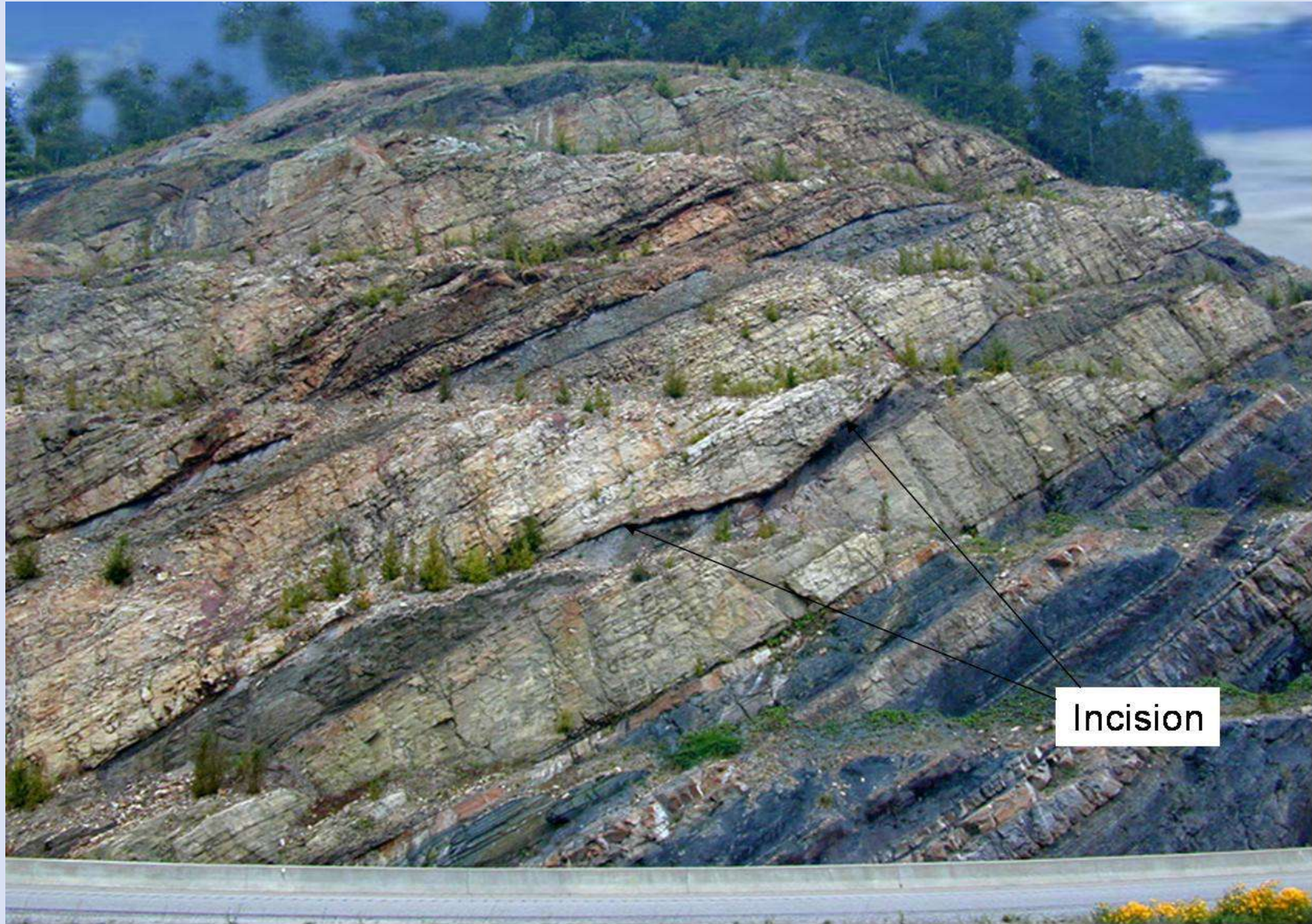
Strutture erosionali a scala più grande

Struttura a canale (CHANNEL): canale di erosione.

Struttura permanente. Canale riempito da una serie di eventi deposizionale non torbidity (ambiente fluviale, delta, estuario..)

SLUMP-SCAR: nicchie di distacco delle frane. Le nicchie, sono preservate se vengono riempite da sedimenti successivi

Channel deposits



Channel deposits



Channel deposits





Slump-scar

Slumping (deformazione plastica ed accumulo)

Superficie di scollamento

