



Security Briefing and Background Check

Investigative Terms to Know

WEATHERING

the natural forces that
BREAK down rock

» Crime of
breaking
something



» Crime
where
something
is stolen

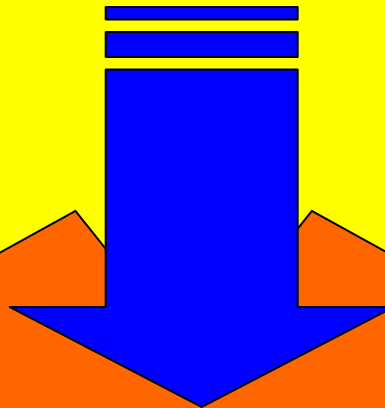
EROSION

Natural forces move or CARRY
sediment from one place to
another

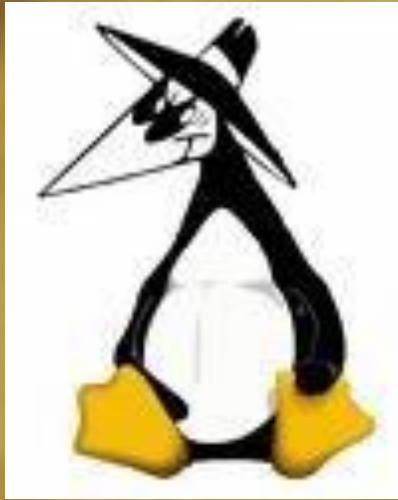
» Crime
where
something
is being left
behind

DEPOSITION

When agents of erosion DROP
off sediment



WANTED



Agent Running Water

\$1 million

REWARD

Moving water (runoff) is a one of the agents of the erosion that has shaped Earth's land surface!

Types of Crimes

There are two ways that water can commit crimes

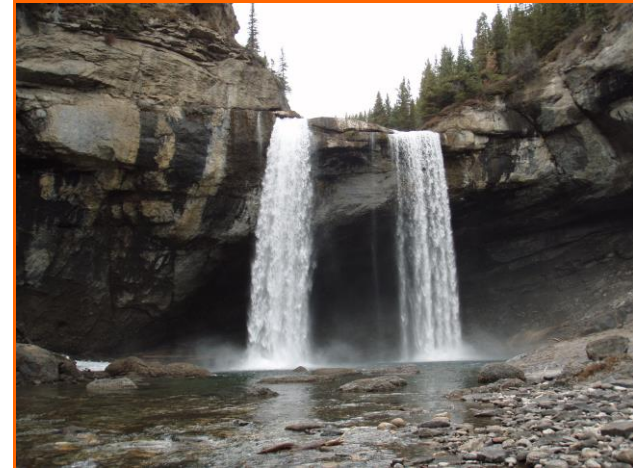
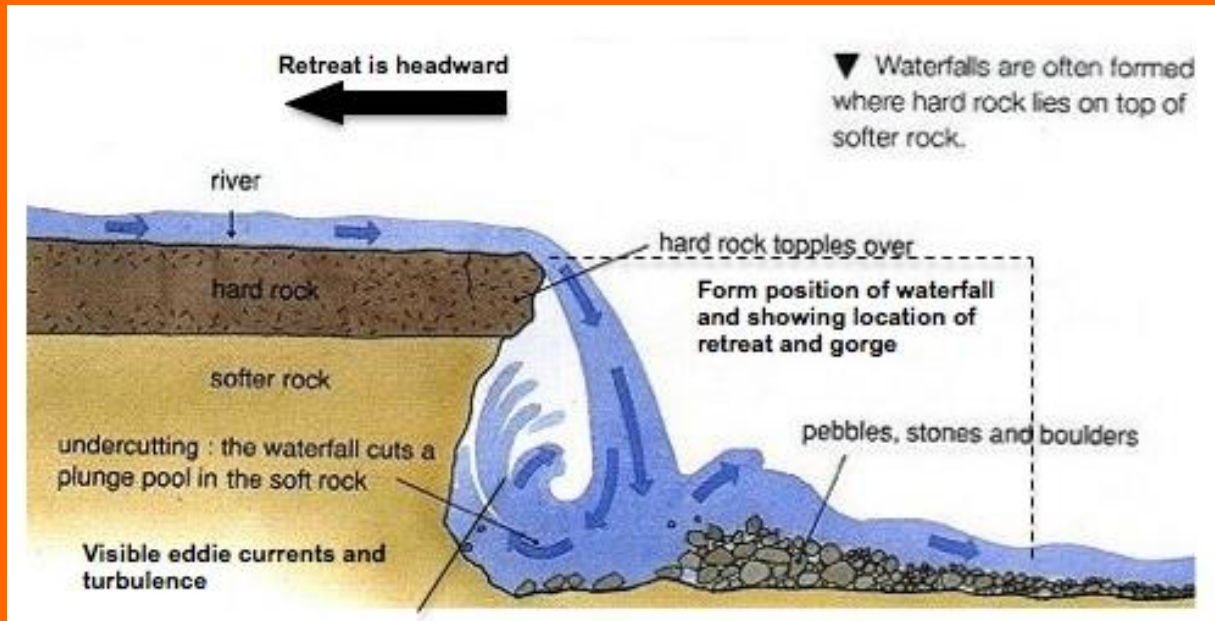
Runoff (*rivers, streams, the moving of water*) Erosion:
More runoff = More Erosion



Ground Water Erosion
(*not as destructive, slow over time*)



Runoff Crime: Waterfall



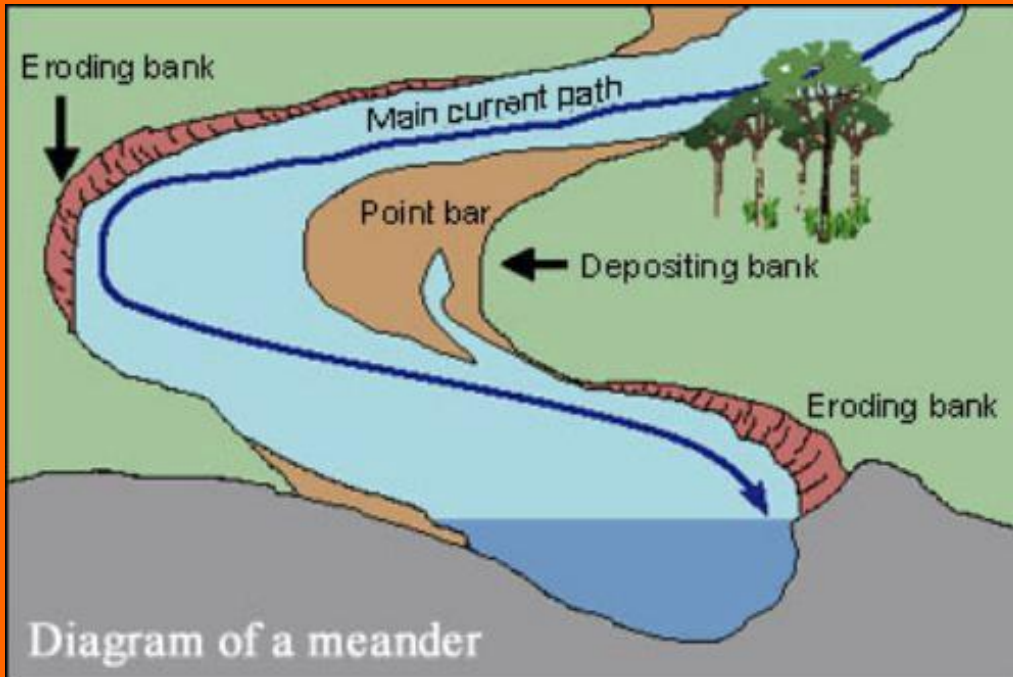
Waterfalls occur:

-Force and speed = More weathering

-Hardness of rock = How much weathering

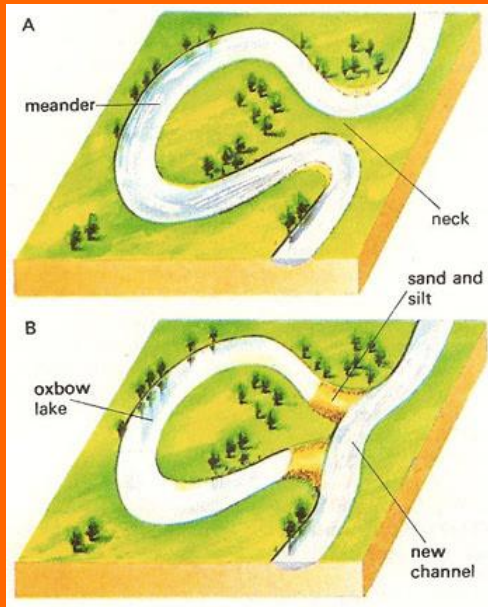
Agent running water gets more and more out of control every time

Runoff Crime: Meanders



- Rivers wear away rocks at different rates ... They find the path of least resistance (cuts through soft rock, goes around hard rock)
- Like a burglar they have to avoid police road blocks to escape
- When do you meander?

Runoff Crime: Oxbow Lake

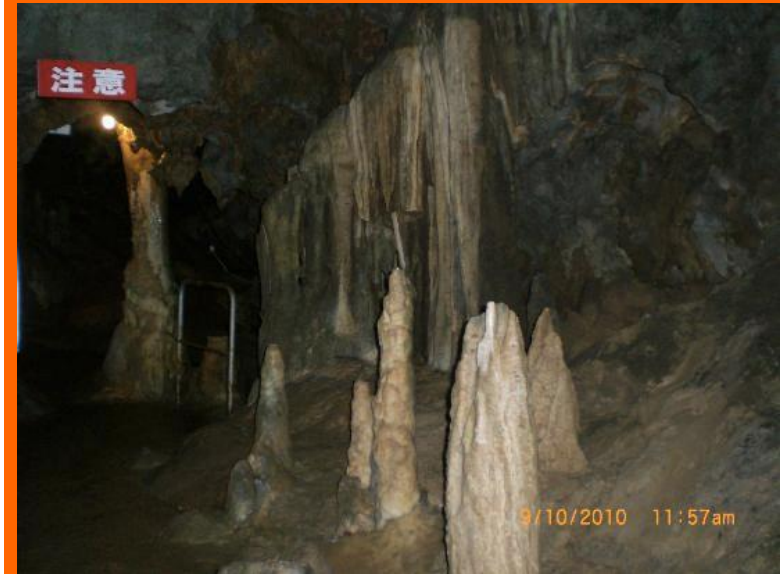
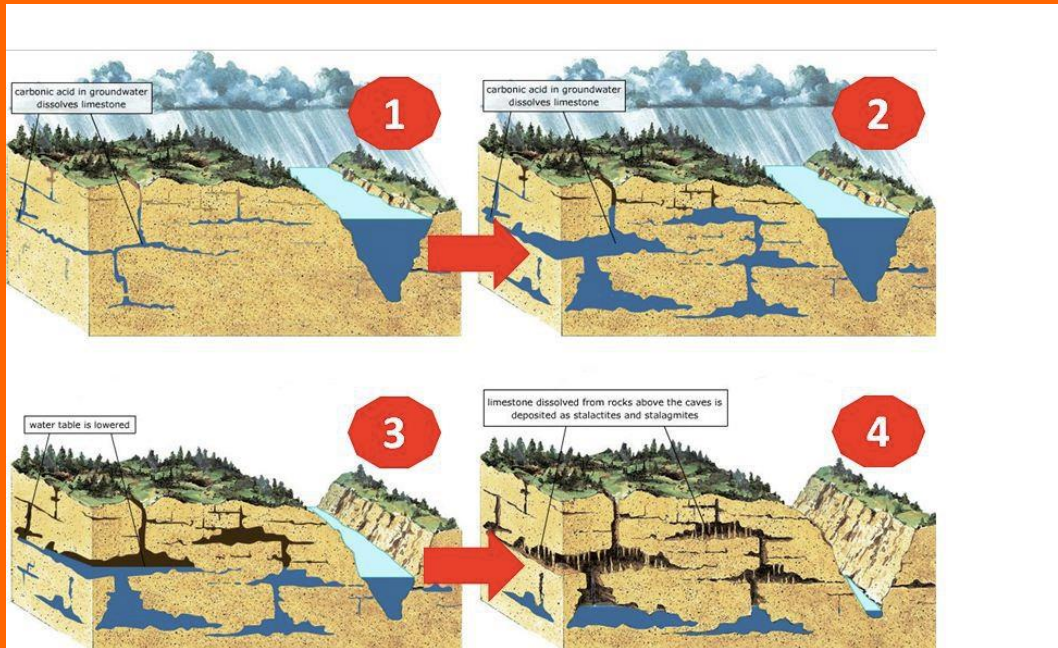


A Meandering River can form an Oxbow Lake

-A flood or wearing down over time can cause the river to find a straighter route downstream

-This cuts off a portion of the river

Ground Water Crime: Caves



- Ground water flows through soft rock eroding and chemically breaking down (weathering, very slow) the rock it flows through over time
- The caves expand
- Sea caves(crashing) vs. caves (sitting)