

Floodplains

What?

How?

Where?

So what?

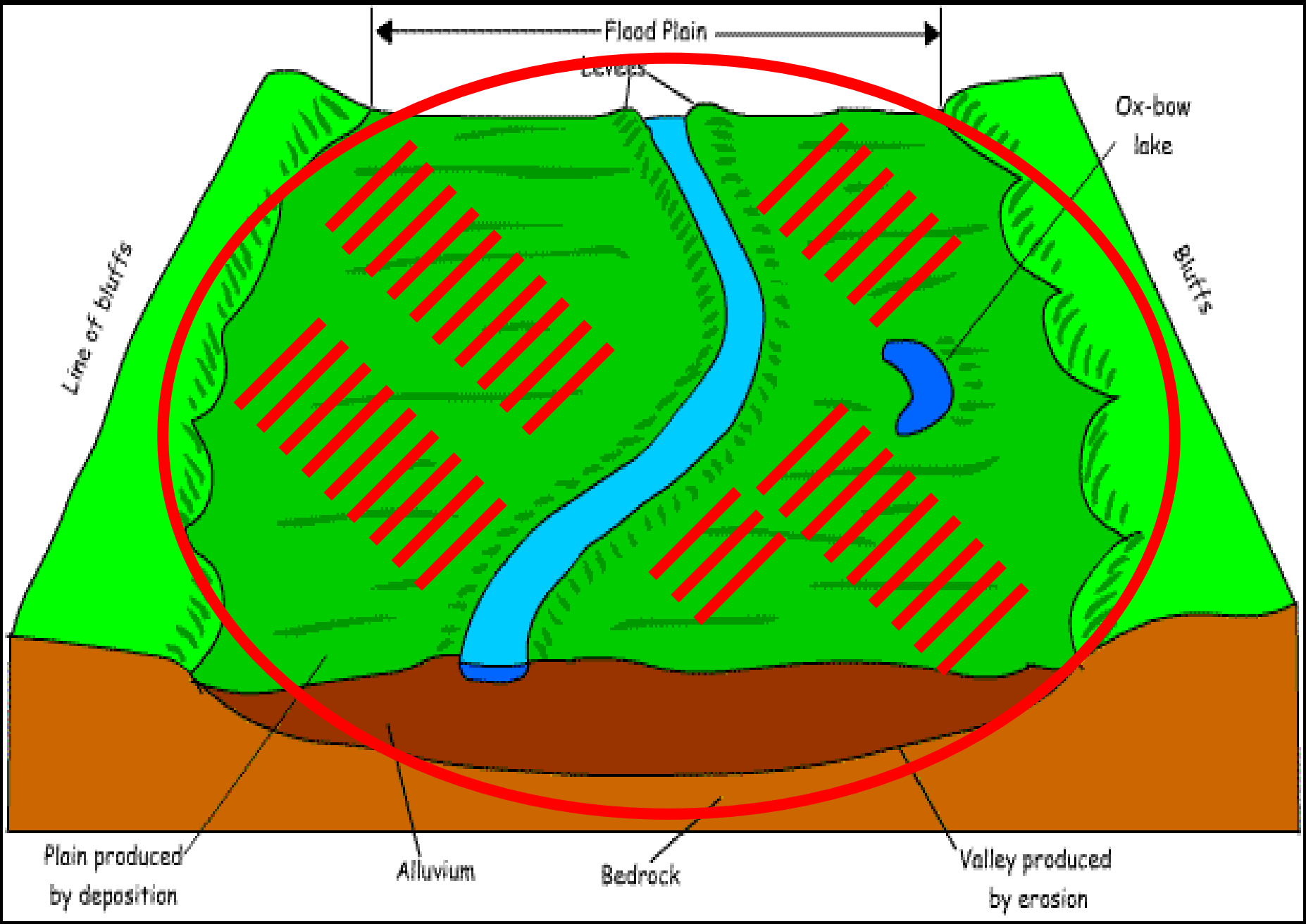
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What?

- **Floodplain** –is an area of land adjacent to a stream or river that stretches from the banks of its channel to the base of the enclosing valley walls and experiences flooding during periods of high discharge.





Flood Plain

Levees

Ox-bow lake

Bluffs

Line of bluffs

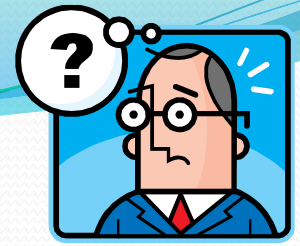
Plain produced by deposition

Alluvium

Bedrock

Valley produced by erosion

How?



Heavy precipitation
(Rain)



River overflow its banks.
Flood begins



River deposits materials onto the flood plains



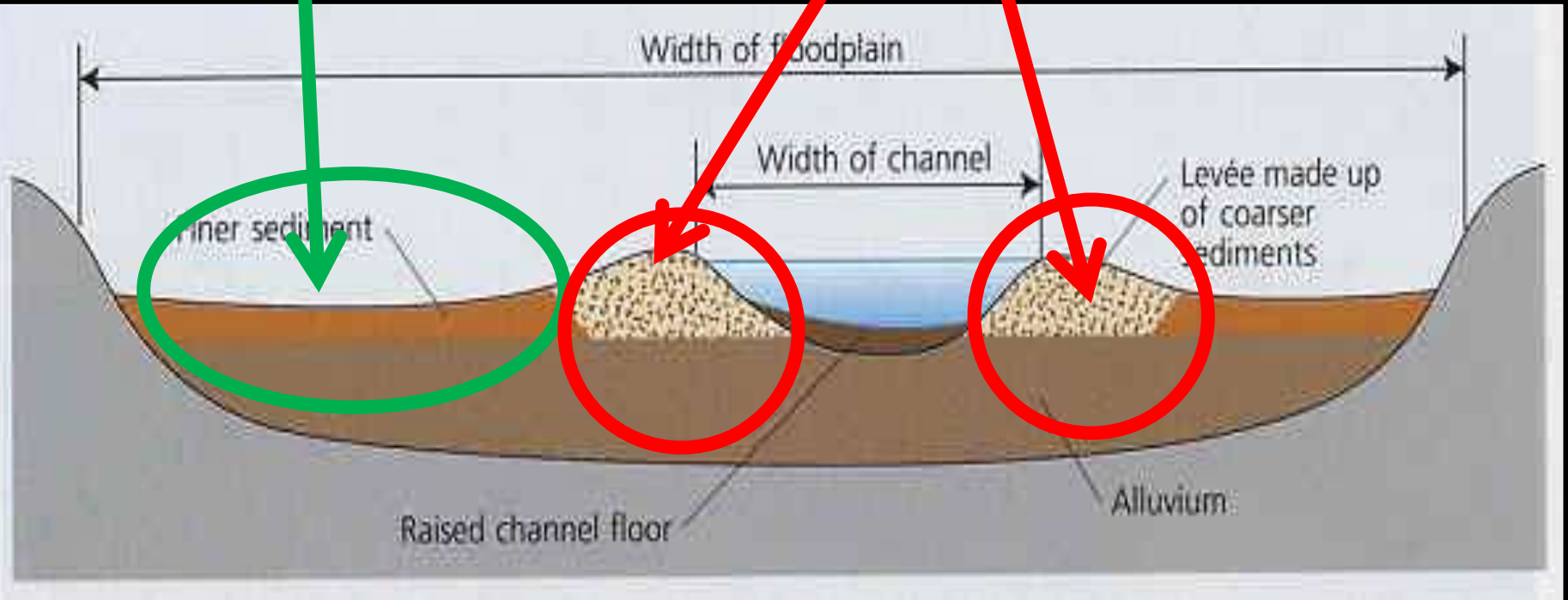
River gets back to its channel



The heavier and coarser sediments will be found at the river's edge.
The finer ones - further away from the river.

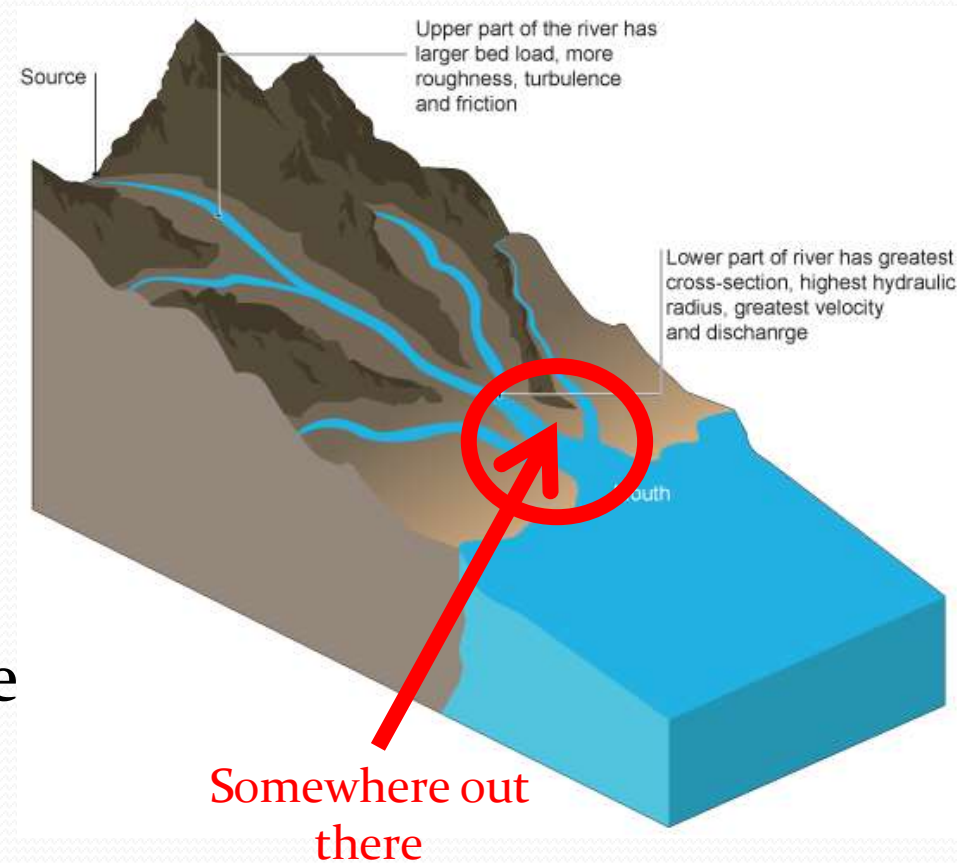
The smallest/lightest

The heaviest particles



Where?

- Floodplains will be found in area where river's depth is smallest and channel's width is widest.
- From **Lower-middle** course to **Lower** course





So what?

We learned what a fl

No **WHAT?**

BECOME A FARMER



Why farming?

Flooding have **beneficial** affect on your farm:

- Flooding brings minerals, nutrients and other useful nourishing materials to your soil.
- Plants can have moisturized land, with access to water reservoirs.
- Plants that require moist land can thrive very well in such a location.
- Fertility of the ground is replenished by the silt.
- The flooding is a useful replacement for irrigation.

WARNING! ATTENTION! ACHTUNG!

Though floodplains economically benefit your farming activity, they still possess a serious threat to your life and property safety. Before you perform any activity on such territory consult a local landform expert (aka Geographer).

- Floodplains are usually regularly flooded. If you are building any construction there, be sure to provide it's safety from being flooded.
- Avoid staying in such places overnight or setting a camping. Floods might happen overnight and flood your tents and YOU INSIDE.

Picturesque floodplains

As usual...















Great

We just learnt
something new and
interesting

(it was interesting,
right?)

