



**COCONINO**  
COUNTY ARIZONA

# Floodplain Delineation

Andrew Shroads, CIVILTEC Engineering, Inc.

# Talking Points



- **Storm Events**
- **Floodplains**
- **Floodways**

# Storm Events Explained

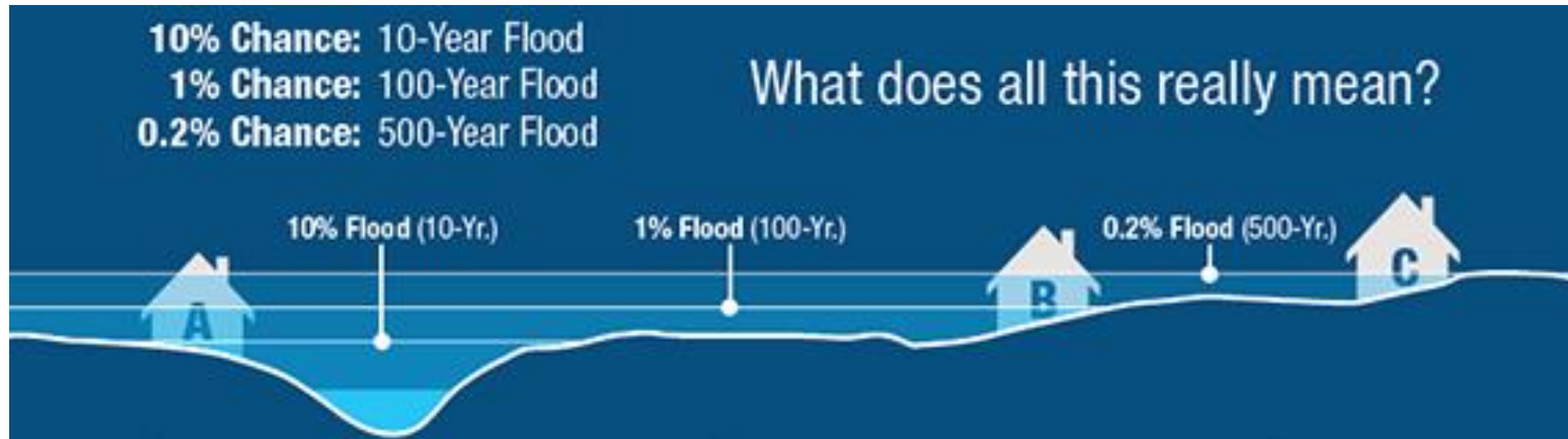
- **100-Year Storm**
  - Rainfall event that has a 1-percent chance of occurring in any given year
  - 100-year storms can happen two years in a row!

Recurrence Interval (Years)	Percent Chance of Occurrence (%)
100	1
50	2
25	4
10	10
5	20

# Floodplains Explained

- **100-Year Floodplain**

- The area that will be inundated by the flood event having a 1-percent chance of being equaled or exceeded in any given year
  - Also called “Base Flood”, “100-Year Flood”, “1% Flood”



# Floodways Explained

- The channel and adjacent land that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than a designated height

