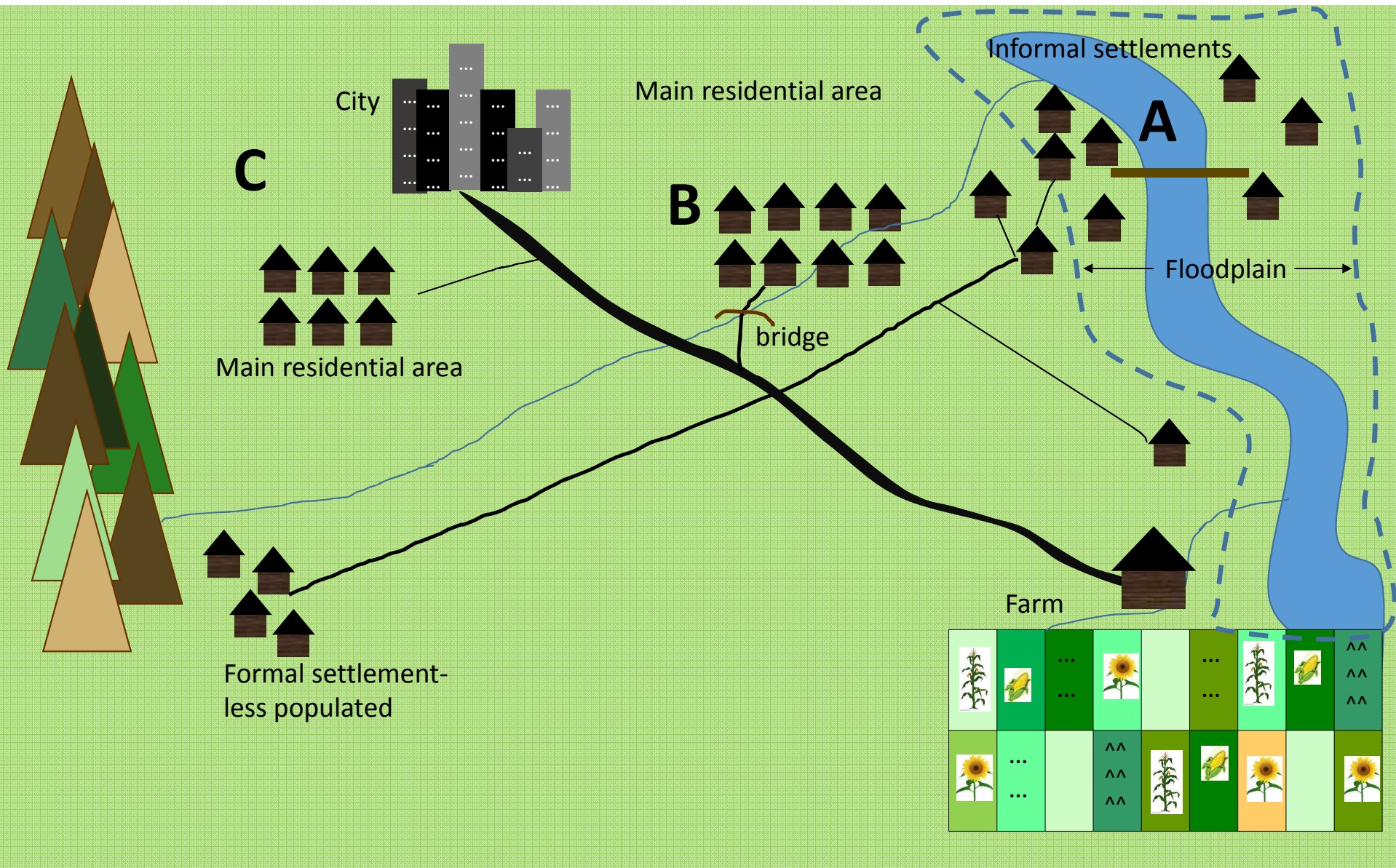


Vulnerability Assessment Exercise Part 1

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9th WMO/Meteo-France RA I Tropical Cyclones Training Course

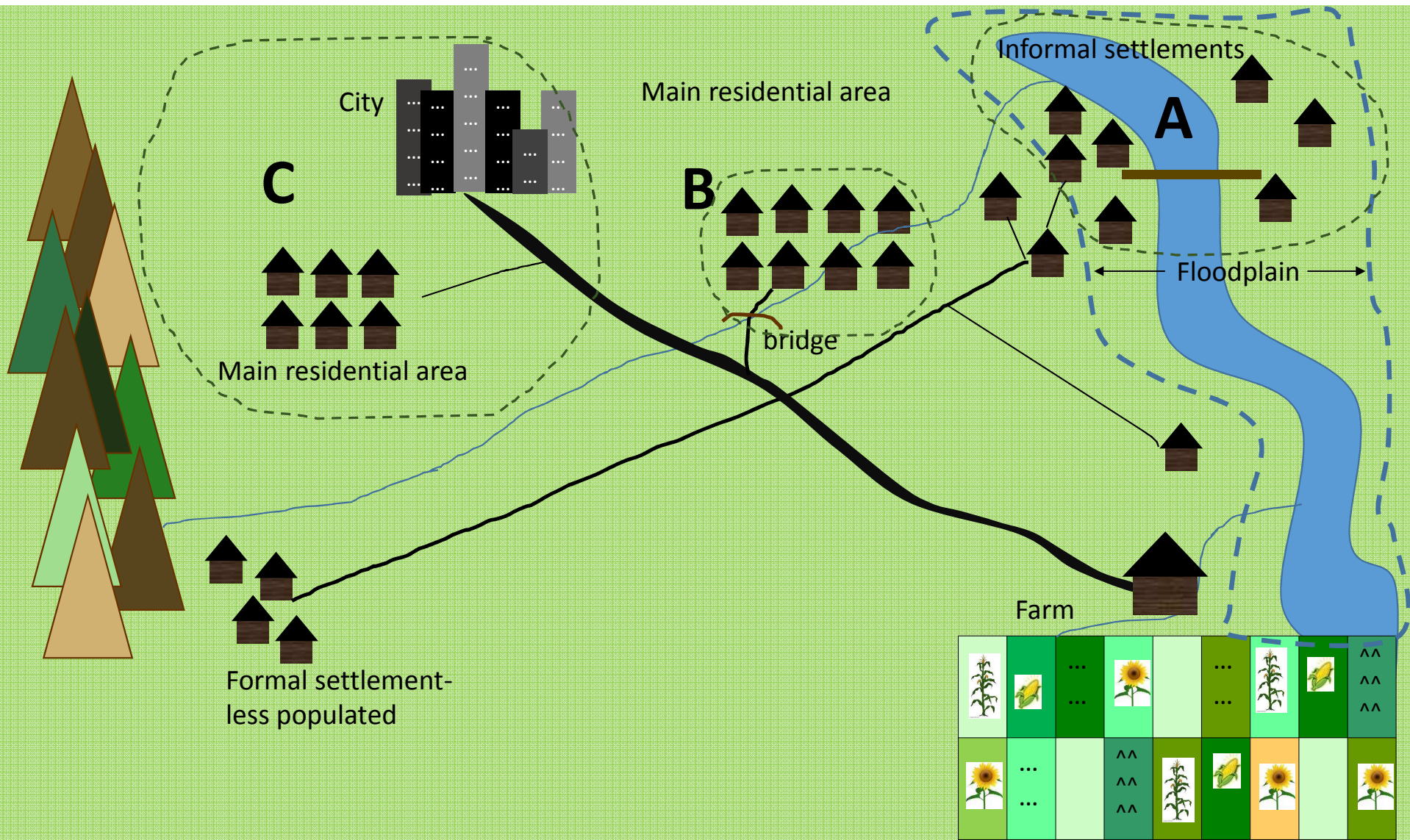
Exercise developed by Elizabeth Webster
South African Weather Service

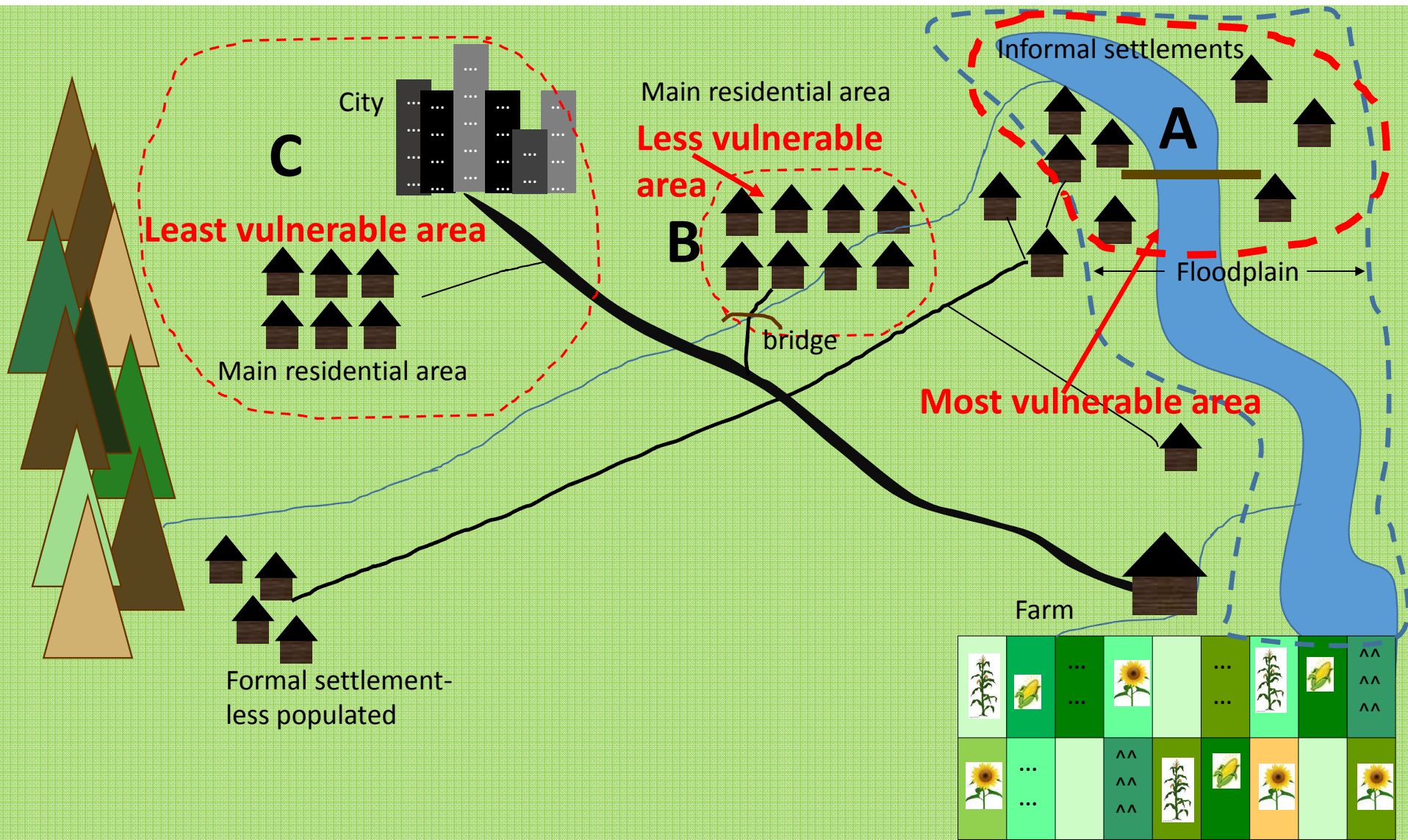


QUESTION?

Give the order of vulnerability for the 3 areas marked A, B and C.
Ranking them from most vulnerable to least vulnerable

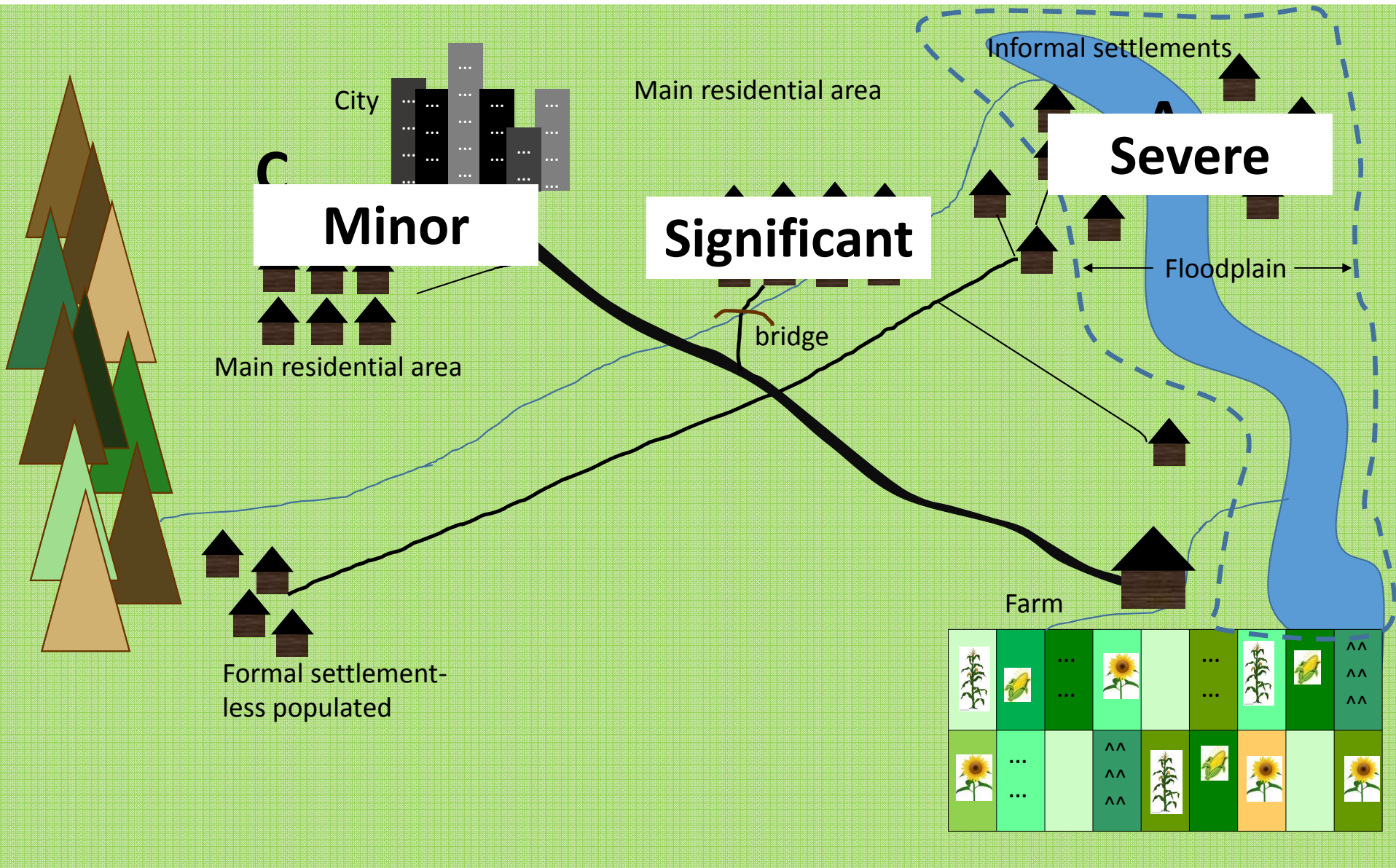
As a forecaster, what area is your greatest concern?





Forecast:

- 80mm expected in 24 hours across the area
- 40mm of that rain is expected within 3 hours
- Determine the levels impact on the different areas
 - Minimal, minor, significant and severe



- Area A: Significant
 - Entire community could be flooded and displaced, the area that lies the other side of the bridge could be cut-off
- Area B: Severe
 - Possible damage to roads, communities could be cut-off temporarily if the bridge washes away or is damaged. Roads and settlements would be flooded
- Area C: Minor
 - Major roads affected, but can be used. Travel times increase, minor motor vehicle accidents due to slippery roads

- If you had to issue a warning for the entire area (including areas of different impact levels), what would you chose your impact level to be?

Possible answer: You can use Significant and then mention the possibility of higher impacts in a small area that is highlighted