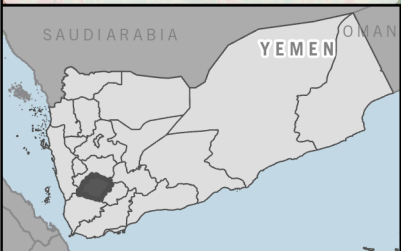


Susceptibility was calculated through weighted linear combination analysis of the following data: **soil type, landcover, slope, elevation, rain intensity, rain duration, topographic wetness index, height above drainage, distance from drainage.**

The data shows areas more or less susceptible to flooding based on physical geographical land features and rainfall patterns. This map does not predict flooding and does not portray flood risk.



- Flood Susceptibility**
- High
 - Low
- Legend:**
- ★ Governorate Capital
 - District Capital
 - Main Road

Note: The results of this exploratory analysis are not to be used for strategic planning. Methods are unverified by hydrological experts. Data, designations and boundaries contained on this map are not warranted to be error-free and do not imply acceptance by the REACH partners, associated, donors mentioned on this map.

Information

See methodology and accuracy assessment for further information on this assessment on the REACH Resource Centre: <http://www.reachresourcecentre.info/countries/yemen>

Coordinate System:
WGS 1984 UTM Zone 38N
File: REACH_YEM_MAP_Ibb_HVA_FloodSusceptibility_16APR2020_A4_V2
Contact: reach.mapping@impact-initiatives.org

| Source | Variable(s) | Resolution | Period |
|---|---|--------------------|-------------|
| Global Hydrologic Soil Groups v1 | Soil Type | ~ 250 m | 1900 - 2015 |
| CHIRPS Daily: InfraRed Precipitation w/ Station Data v2 | Rain Intensity, Rain Duration | ~ 0.05 arc degrees | 1984 - 2018 |
| MODIS Landcover | Landcover | 500 m | 2016 |
| NASADEM HGT v001 | Elevation, Slope, Topographic Wetness Index, Distance from Nearest Drainage | ~ 30 m | - |
| Height Above Nearest Drainage | Height Above Nearest Drainage | 90 m | - |