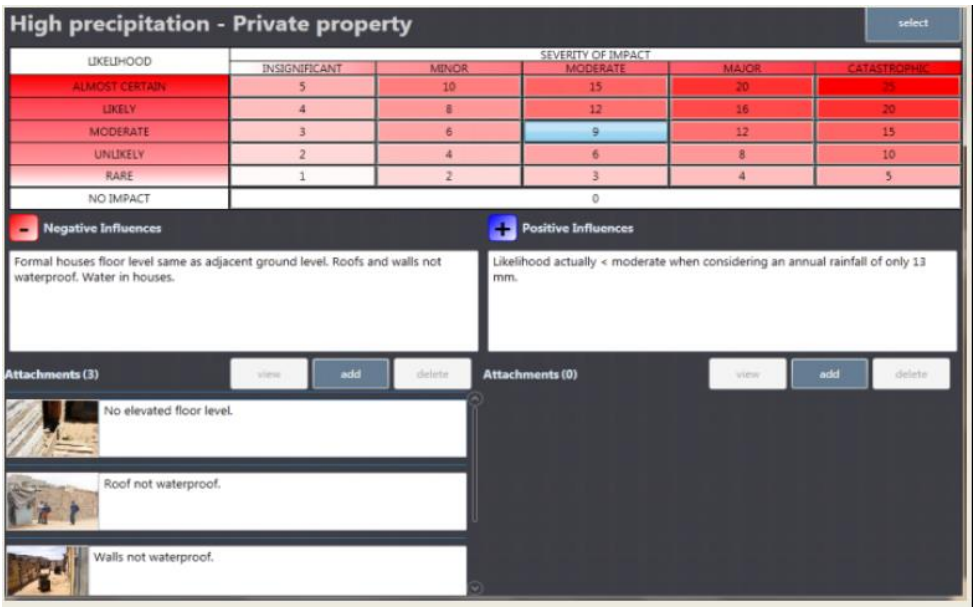
RISK ASSESSMENT

In addition to supplying water infrastructure operational management systems and engineering services, WAMTechnology specialises in community vulnerability / risk assessments. WAMTech has conducted recent projects whereby communities across six African countries were assessed for vulnerabilities related to the supply of drinking water and public health risks related to sanitation challenges. Risk assessments are conducted in terms of a range of identified hazards including the impact on components of the infrastructure critical for water supply and public health and safety.



We have developed a software Risk Tool which is used to do calculations and generate analysis reports from cumulative events matrices of measured hazards associated with relevant water infrastructure age, capacity and condition; as well as operations and maintenance; floods or droughts; theft and vandalism; and socio-economic factors in order to determine a final rating – indicating the likelihood and severity of a community's vulnerability to experience events ranging from 'insignificant/minor' to 'major/catastrophic' in terms of potable water supply and public health and safety .