



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.

Methodology: The runoff potential was calculated using the SCS-Curve Number method, developed by the United States Department of Agriculture. The curve number is an empirical parameter deriving from soil hydrological properties and landcover types, and it is inversely related to the potential maximum soil retention. The rain intensity return period takes into account daily rainfall data from 1984 to 2019, and it represents estimated maximum rainfall intensity occurring in a timespan of 10 years, with a duration of 24 hours. It was calculated through the generation of a generalized extreme event distribution (GEV).

Coordinate System: WGS 1984 UTM Zone 38N
File: REACH_YEM_MAP_RunoffPotential10y_National_03June2020_A0_EN_V1.pdf
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