Governorate boundary Runoff volume (in cubic meters) for 50 year return period

Note: The results of this exploratory analysis are not to be used for strategic planning. Methods are unverified

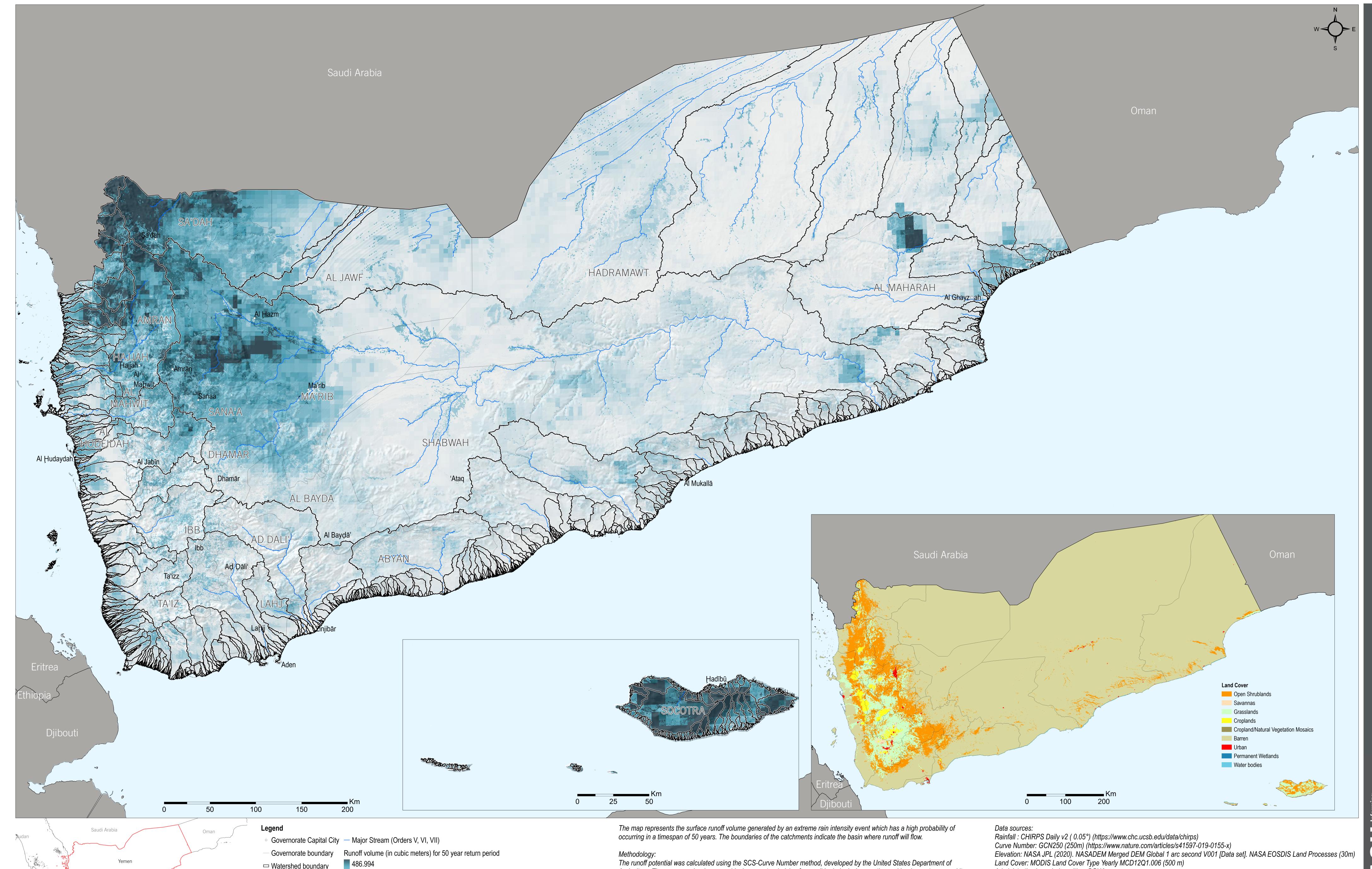
by hydrological experts. Data, designations and boundaries contained on this map are not warranted to be error-free and do not imply acceptance by the REACH partners, associated, donors mentioned on this map.

486.994

□ Watershed boundary

**Intended for Exploratory Purposes** Version 1

Production date: 20 May 2020



The runoff potential was calculated using the SCS-Curve Number method, developed by the United States Department of

is inversely related to the potential maximum soil retention.

generalized extreme event distribution (GEV).

Agriculture. The curve number is an empirical parameter deriving from soil hydrological properties and landcover types, and it

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 50 years, with a duration of 24 hours. It was calculated through the generation of a

Administrative boundaries, cities: OCHA

Coordinate System: WGS 1984 UTM Zone 38N

Contact: reach.mapping@impact-initiatives.org

File: REACH\_YEM\_MAP\_RunoffPotential50y\_National\_20May2020\_A0\_EN\_V1.pdf