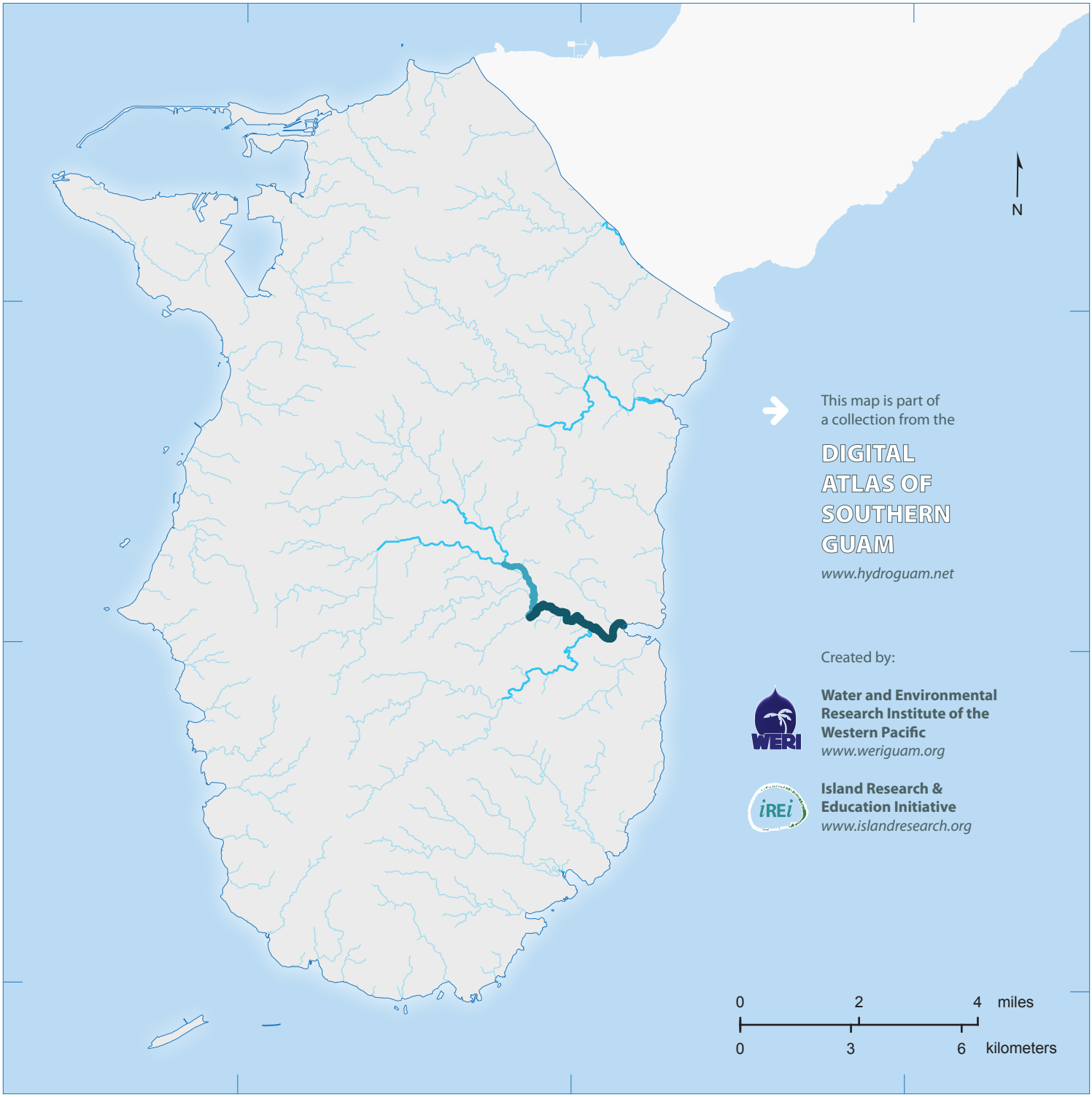


# Streamflow

## (Average streamflow modeled by GIS)

This map shows the average streamflow (in cubic feet per second) of streams and rivers in southern Guam. The geospatial data were derived by means of GIS spatial analysis techniques using a digital elevation model and average annual rainfall as part of a recent study by the Water and Environmental Research Institute of the Western Pacific (WERI) to predict flow duration curves at ungaged sites. The raw data package for download also includes the **average rainfall upstream for stream segments** and the **drainage area upstream for stream segment**. Please note that the exact location and number of streams may differ from other hydrologic data in this atlas as a different model and input datasets were used to derive these datasets. For more information, see the appropriate WERI Technical Report (L.F. Heitz and S. Khosrowpanah, 2015).

- <20 cfs
- 20 ~ 39 cfs
- 40 ~ 59 cfs
- 60 ~ 79 cfs
- >80 cfs

Cartography and design by Danko Taborosi and Maria Kottermair, 2015.



Created by the Water and Environmental Research Institute of the Western Pacific (WERI) and Island Research & Education Initiative (iREi) with funding from the Guam Hydrological Survey (GHS) and the Bureau of Statistics and Plans (BSP), Government of Guam.

Contact us at:
WERI, University of Guam
Mangilao, GU 96923
www.weriguam.org