

Identification of potential impacts of climate change and anthropogenic activities on streamflow alterations in the Tarim River Basin, China

Lianqing Xue, Fan Yang, Changbing Yang, Xinfang Chen, Luo Chen Zhang, Yixia Chi and Guang Yang

Supplementary Information (SI)

SI Figure legends

Figure S1. Plots of land use and vegetation cover in the Tarim River Basin in 1980, 1990, 2000, 2008, and 2015 (Note: the data set is provided by Data Center for Resources and Environmental Sciences, Chinese Academy of Sciences (RESDC) (<http://www.resdc.cn>), and the map was generated using reclassify tool in ESRI's ArcGIS (version 10.1).)

Figure S2. Plots of water consumption at b) water consumption of three plain reservoirs (WCPR) and c) oasis water consumption (OWC), the ratio of water consumption of three plain reservoirs in total water consumption (RWCP) at a) and the aridity index (ET_p/P) at d) (Note: the data set is provided by the Tarim River Basin Administration, the aridity index and oasis water consumption from 1960 to 2011 and water consumption of three plain reservoirs from 1980 to 2006.)

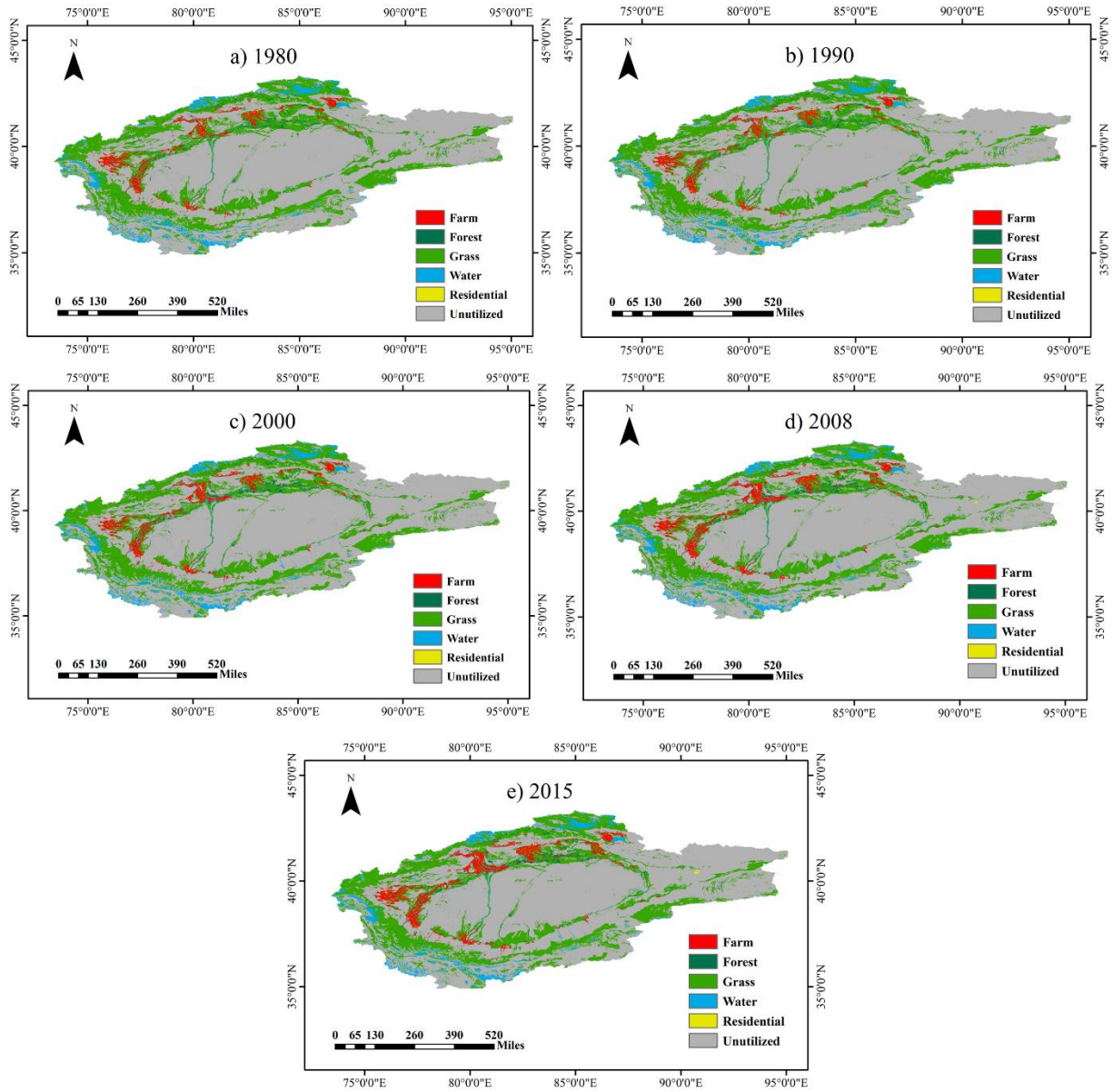


Figure S1.

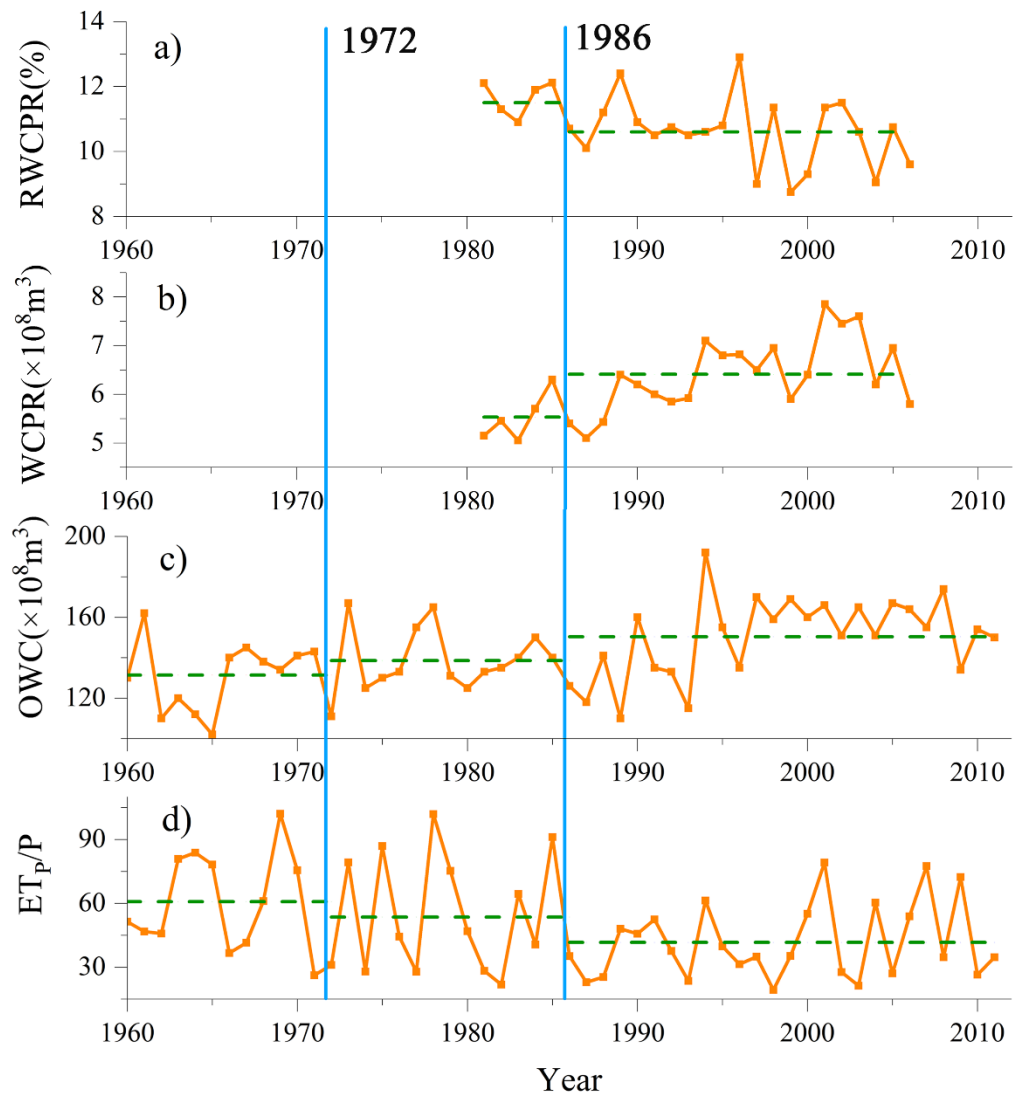


Figure S2.