

Index name	Source	Period	Mapping Output	patial resolutio	Cost
Sentinel 2	United States Geological Survey (USGS) https://www.usgs.gov/centers/eros/science/usgs-eros-archive-sentinel-2	2020	LanduseLandcover (LULC)	10m	Free
DEM, SL, and TWI	The Geospatial Data Cloud (http://www.gscloud.cn/)	2020	Slope, Elevation.	30 m × 30 m	Free
Soil Data	The National Earth System Science Data Center (http://www.geodata.cn/)	2018	Curve Number (CN) grid map (soil type and Hydrological soil groups)	——	Free
CN	Harmonized World Soil Database (HWSD) https://gaez.fao.org/pages/hwsd	2020	Soil type data	1 km × 1 km	Free
		2020	Land cover data	30 m × 30 m	Free
M3HP, M1DP, and DG25	Multi-Source Weighted-Ensemble Precipitation (MSWEP) dataset (http://hydrology.princeton.edu/data/hylkeb/MSWEP_V220/)	2020	Rainfall data from 1988 to 2020 with a temporal resolution of 3 h	0.1 deg × 0.1 deg	Free
DTR	Google Map (http://www.bigemap.com/)	2020	River data	——	Free
RD	OpenStreetMap (http://download.geofabrik.de/)	2020	Road data	——	Free