

Supplementary Materials

Spatio-Temporal Dynamics of Non-Point Source Pollution in Jiulong River Basin (China) Using the Soil & Water Assessment Tool Model in Combination with the GeoSOS-FLUS Model

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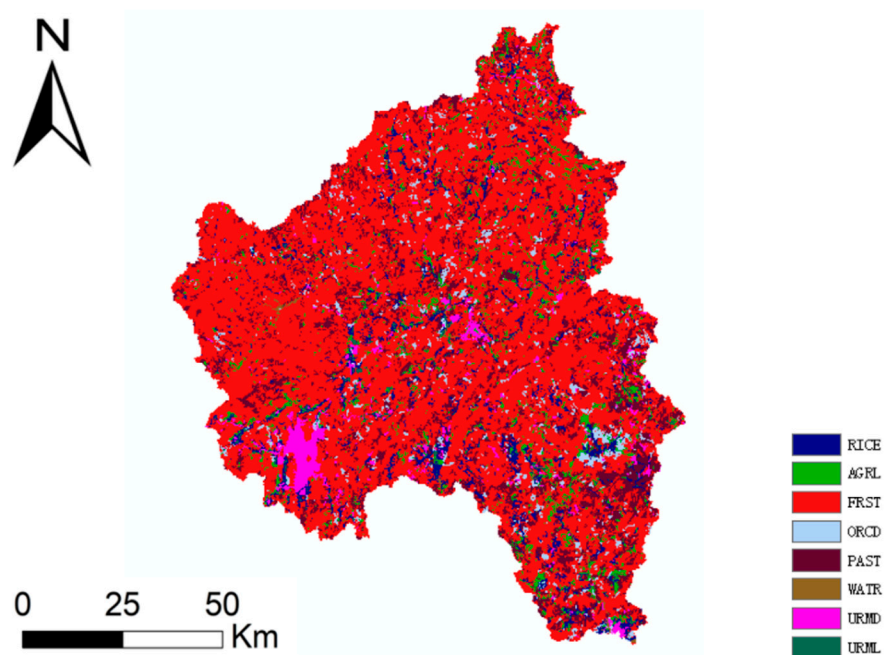


Figure S1. Land use map of Jiulong River (North Stream) basin

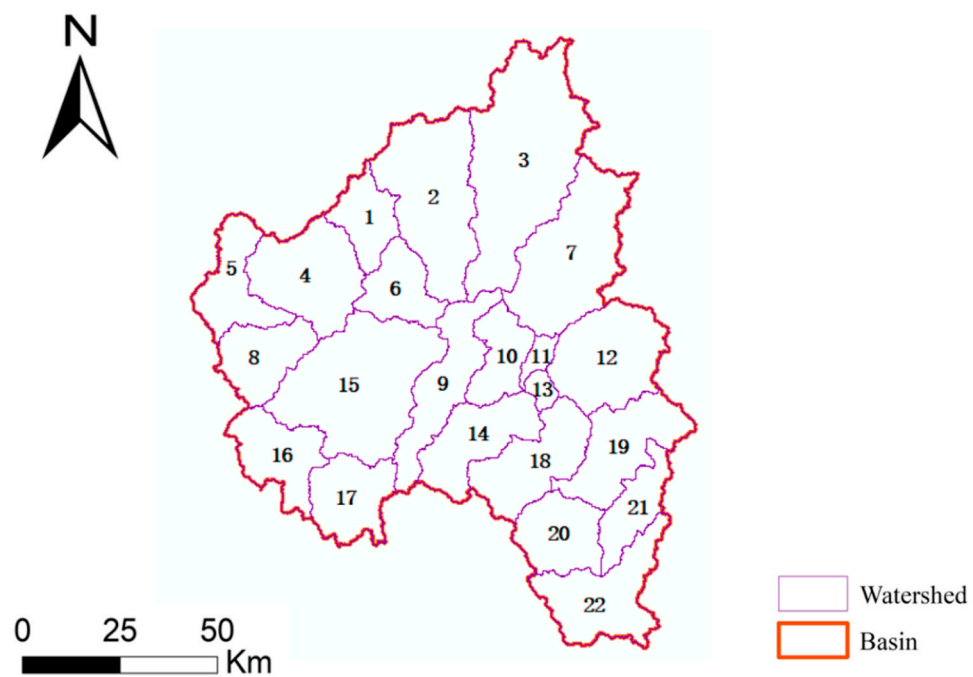


Figure S2. Sub-basin division map in study area

Table S1. The meanings and value results of parameters

Parameter	Range	Definition	Value
CN2.mgt	35-98	Runoff curve coefficient	84.78
ALPHA_BF.gw	0-1	Baseflow subsidence coefficient	0.90
GW_REVAP.gw	0.02-0.2	Groundwater reevaporation coefficient	0.05
CH_N2.rte	0-1000	Main channel Manning coefficient	0.04
SOL_AWC.sol	-1—1	Soil surface water content	0.11
BIOMIX.mgt	0-1	Biomixing efficiency	0.04
P_UPDIS.bsn	0-100	Phosphorus uptake Distribution parameter	51.98
PHOSKD.bsn	100-200	Soil phosphorus partition coefficient	147.10
NPERCO.bsn	0-1	Nitrogen permeability coefficient	0.52
PPERCO.bsn	10-17.5	Phosphorus permeability coefficient	14.47

Table S2. Classification of nutrients loss intensity

Level	I	II	III	IV	V
Ammonia-N	0.00-0.10	0.10-0.50	0.50-1.00	1.00-10.00	> 10.00
TP	< 0.00	0.00-0.50	0.50-1.00	1.00-2.00	2.00-10.00