

Text S1

Table S1. The description of borehole lithology

layer	Stratum thickness	stratigraphic age symbol	Lithology
1	5.00	Qh <sub>xk</sub>	Silty clay
2	10.00	Qh <sub>xk</sub>	Coarse sand
3	4.50	Qh <sub>l</sub>	Gravel
4	1.50	K <sub>1</sub> L	Gneiss
5	20.00	K <sub>1</sub> L	Gneiss
6	9.00	K <sub>1</sub> L	Granite
7	12.95	K <sub>1</sub> L	Granite

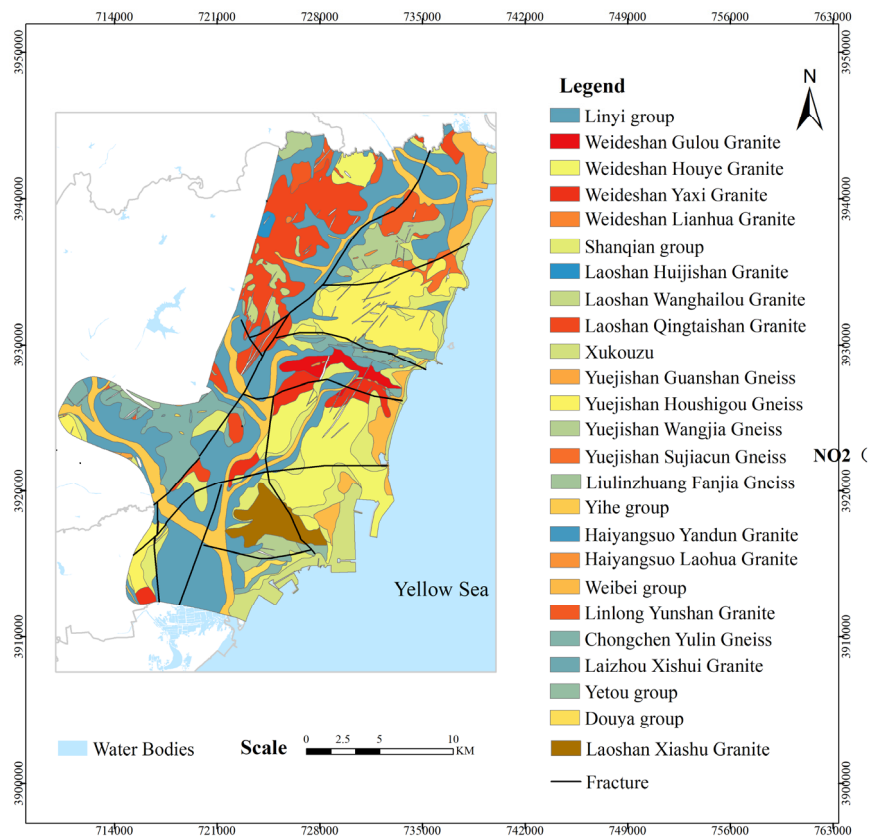


Figure S1. Geological map of the study area

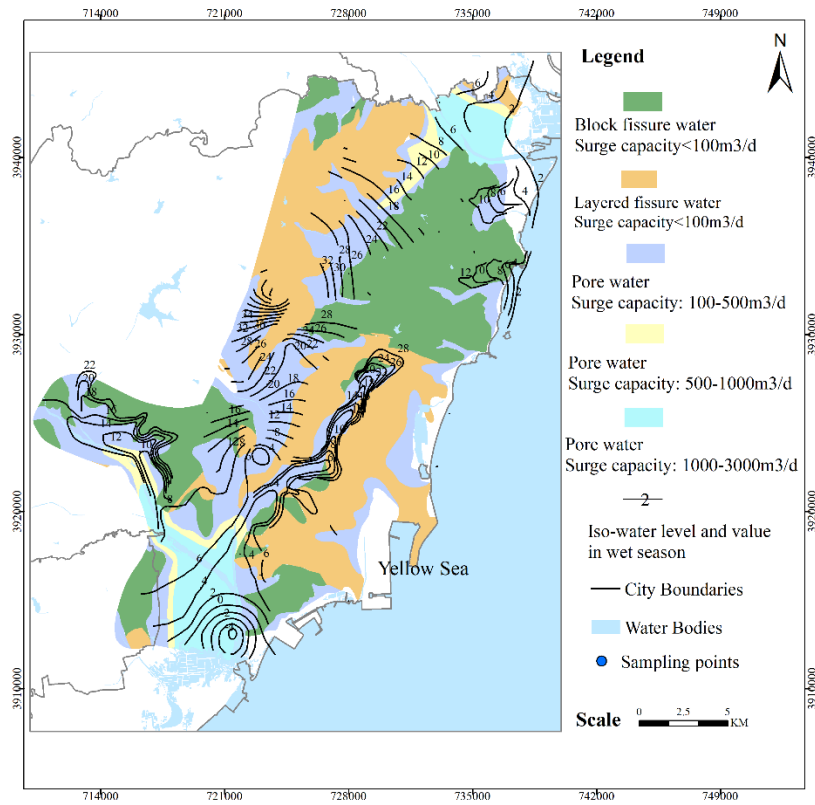


Figure S2. The distribution of groundwater flow field distribution in wet season

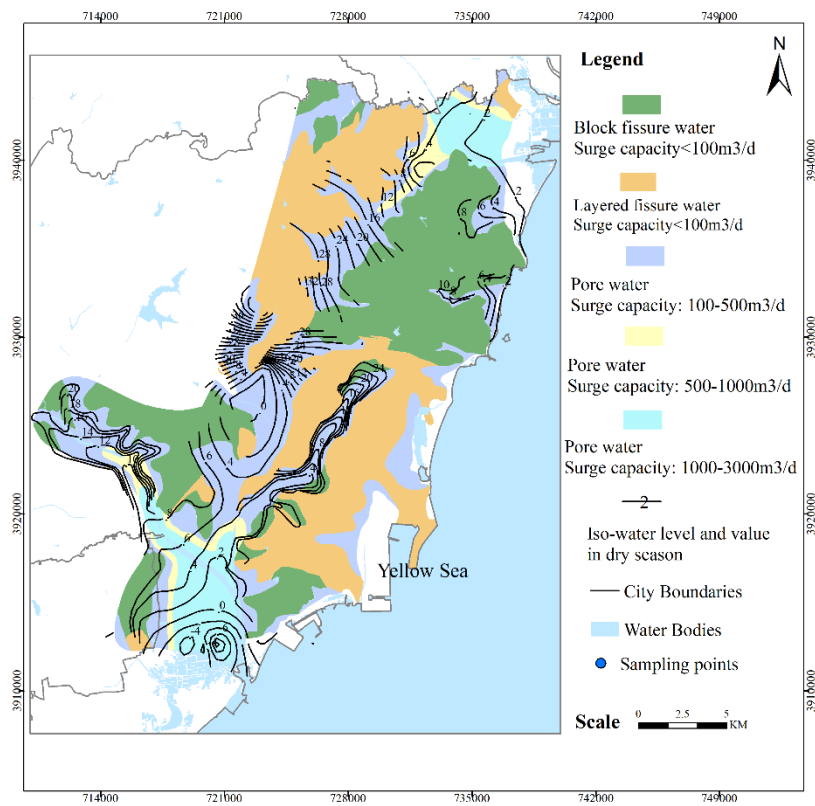


Figure S3. The distribution of groundwater flow field distribution in dry season