Supplement

Figure S1: Ecological shallow drilling points
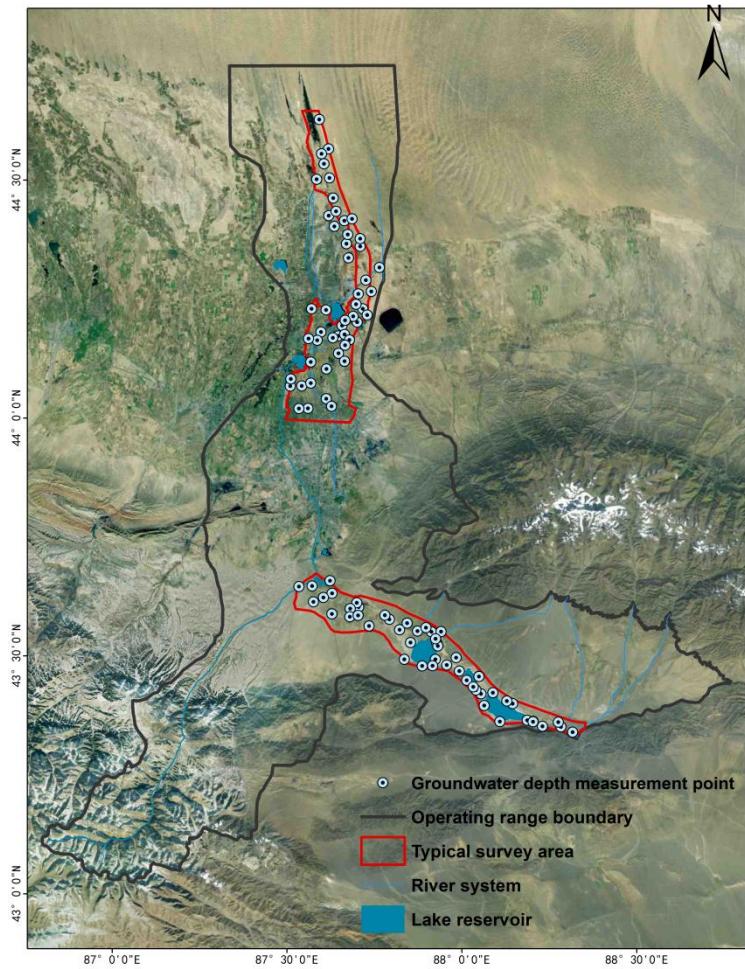
Figure S2: Groundwater depth measurement location distribution
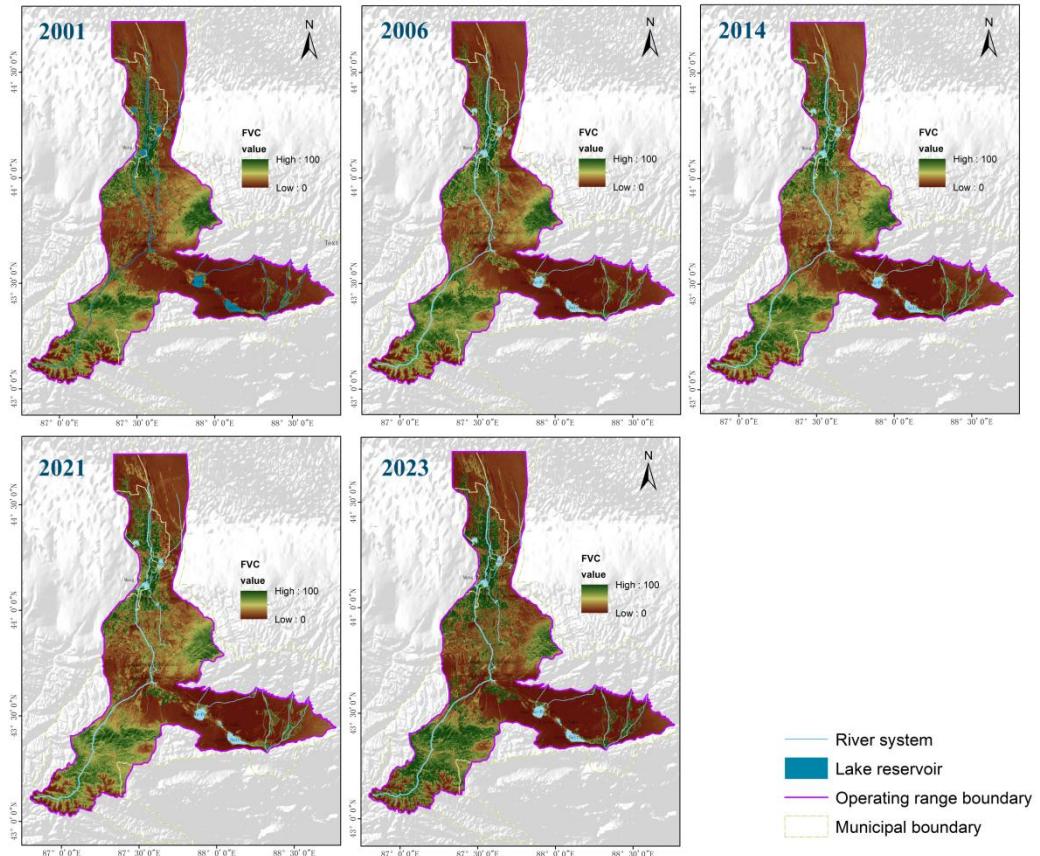
Figure S3: Distribution of FVC in Urumqi River and Chai Wo-pu Basin
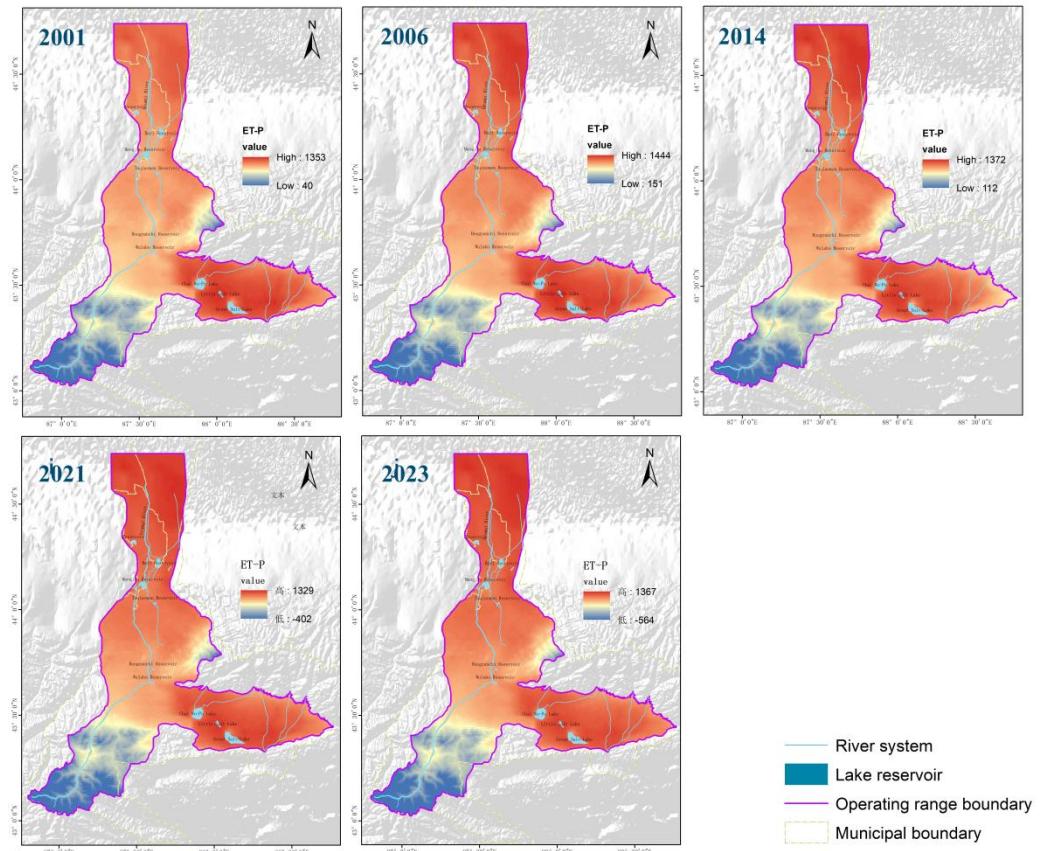
Figure S4: Distribution of E-P in Urumqi River and Chai Wo-pu Basin
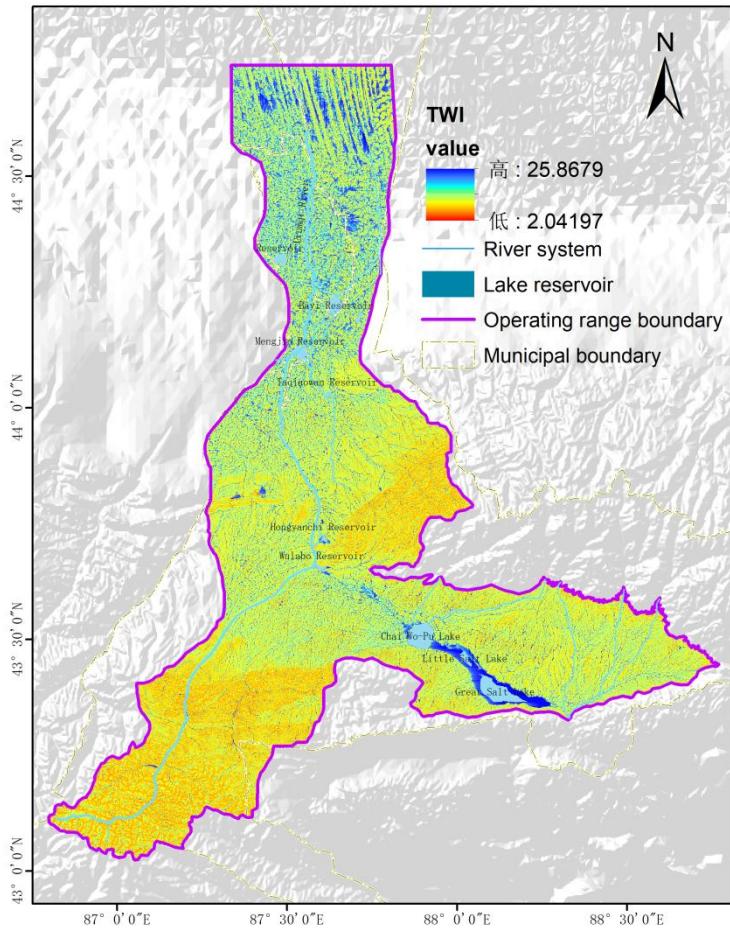
Figure S5: Distribution of TWI in Urumqi River and Chai Wo-pu Basin
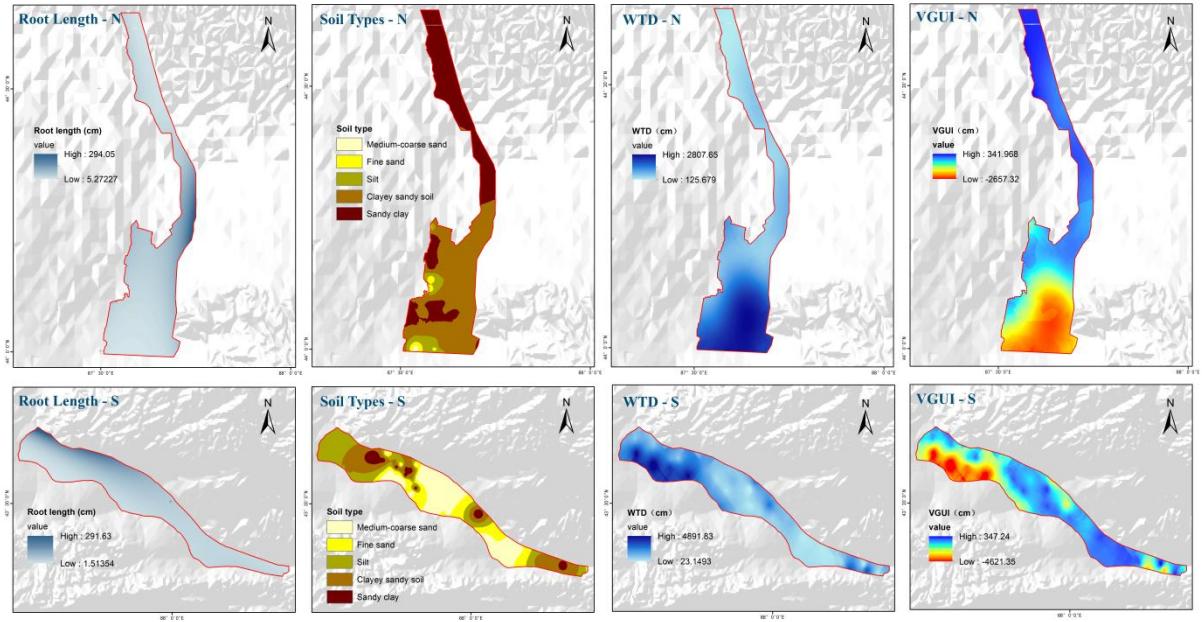
Figure S6: Distribution of Vegetation Groundwater Uptake Index in the GDEs Typical Areas of the Urumqi River and Chai Wo-pu Basin