

Table S1. Classification criteria of water quality base on EWQI

Level	EWQI	Water quality
1	<50	excellent
2	50-100	good
3	100-150	medium
4	150-200	poor
5	>200	extremely poor

Table S2. Parameters for computing the health risks through oral intake and dermal contact exposure pathways.

Parameters	units	Children	adult males	adult females	Parameters	units	Children	adult males	adult females
<i>K</i>	cm/h	0.001	0.001	0.001	<i>ED</i>	year	12	30	30
<i>t</i>	h/day	0.4	0.4	0.4	<i>AT</i>	day	4380	10950	10950
<i>CW</i>	mg/L		-	-	<i>BW</i>	kg	26.8	59	69.6
<i>IR</i>	L/day	1.25	1.95	1.95	<i>EF</i> (oral)	day/year	365	365	365
<i>CF</i>	-	0.001	0.001	0.001	<i>EF</i> (derm)	day/year	365	365	365
<i>EV</i>	-	1	1	1	<i>RFD</i> _{oral}	mg/kg-d	1.6	1.6	1.6
<i>BH</i>	cm	99.4	158.00	169.70	<i>RfD</i> _{derm}	mg/kg-d	1.6	1.6	1.6

Table S3. Classification of salt hazards in irrigation groundwater.

Salinity Hazard level	EC (µs/cm)	Water quality
C1	<250	low salinity
C2	250-750	medium salinity
C3	750-2250	high salinity
C4	>2250	very high salinity

Table S4. Results of non-carcinogenic risk through drinking water intake and dermal contact.

Contaminant	Children (CD)			Adult females (AF)			Adult males (AM)		
	Max.	Min.	Mean	Max.	Min.	Mean	Max.	Min.	Mean
G1_HQ _{Nitrate}	1.26	7.87E-05	0.36	0.89	5.58E-05	0.25	0.76	4.73E-05	0.21
G2_HQ _{Nitrate}	0.67	0.06	0.24	0.48	0.04	0.17	0.40	0.03	0.14
G3_HQ _{Nitrate}	0.22	0.01	0.10	0.16	0.01	0.07	0.13	0.01	0.01
HQ _{Nitrate}	1.26	7.87E-05	0.29	0.890	5.58E-05	0.208	0.76	4.73E-05	0.18
HI _{Total}	1.26	7.92E-05	0.30	0.893	5.60E-05	0.209	0.76	4.75E-05	0.18