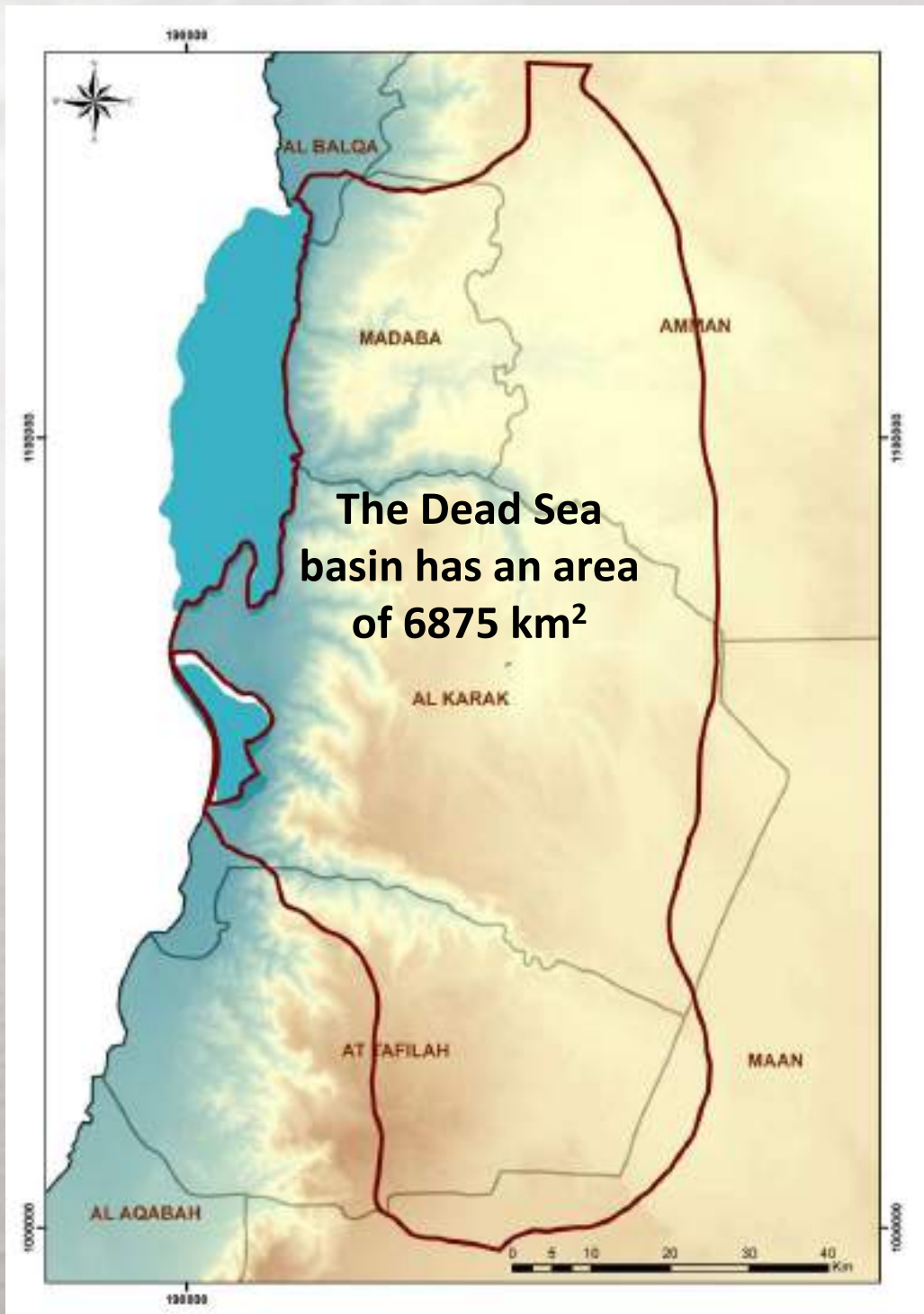


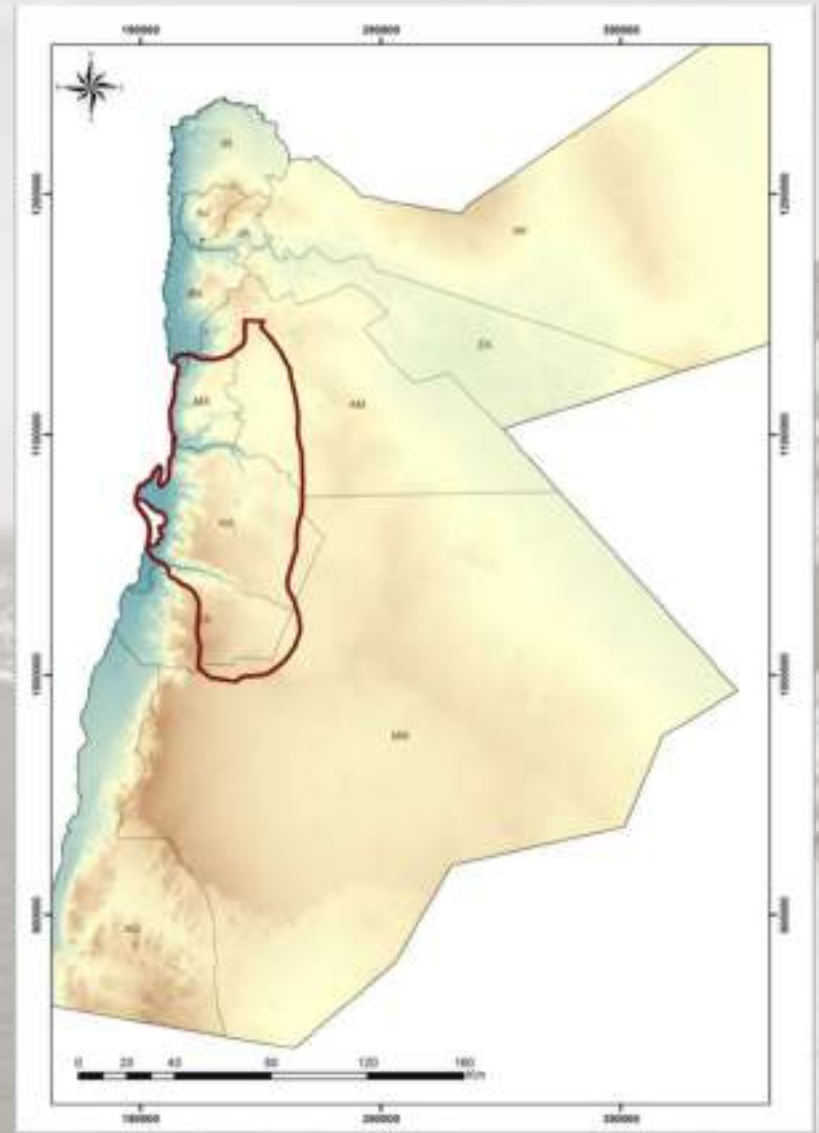
# Dead Sea Basin

دراسة التغيرات في تخزين المياه  
الجوفية من خلال استخدام بيانات البعثة  
الساكنية التجريبية للمناخ وقياس  
الجاذبية GRACE لتحسين إدارة المياه

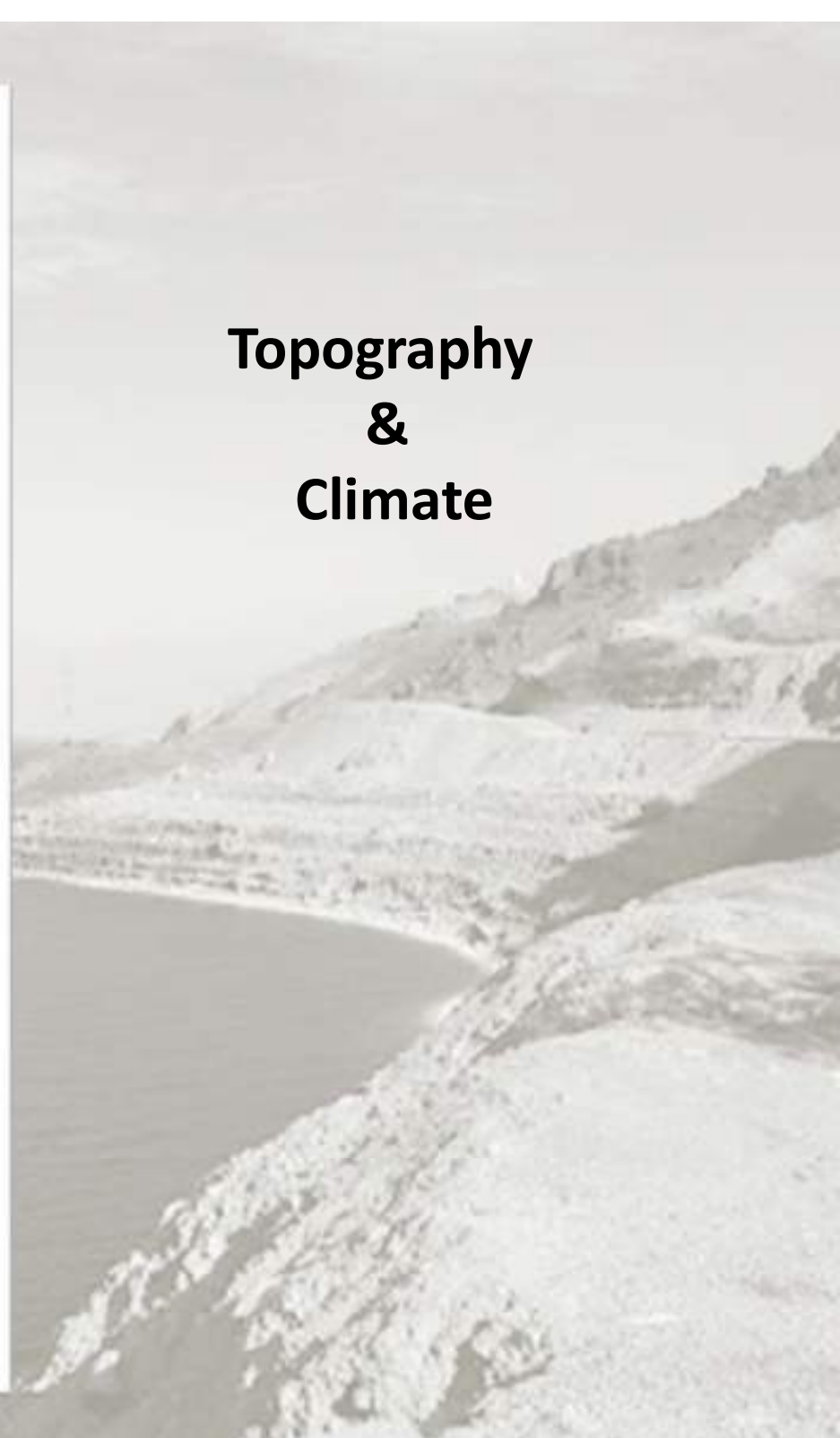
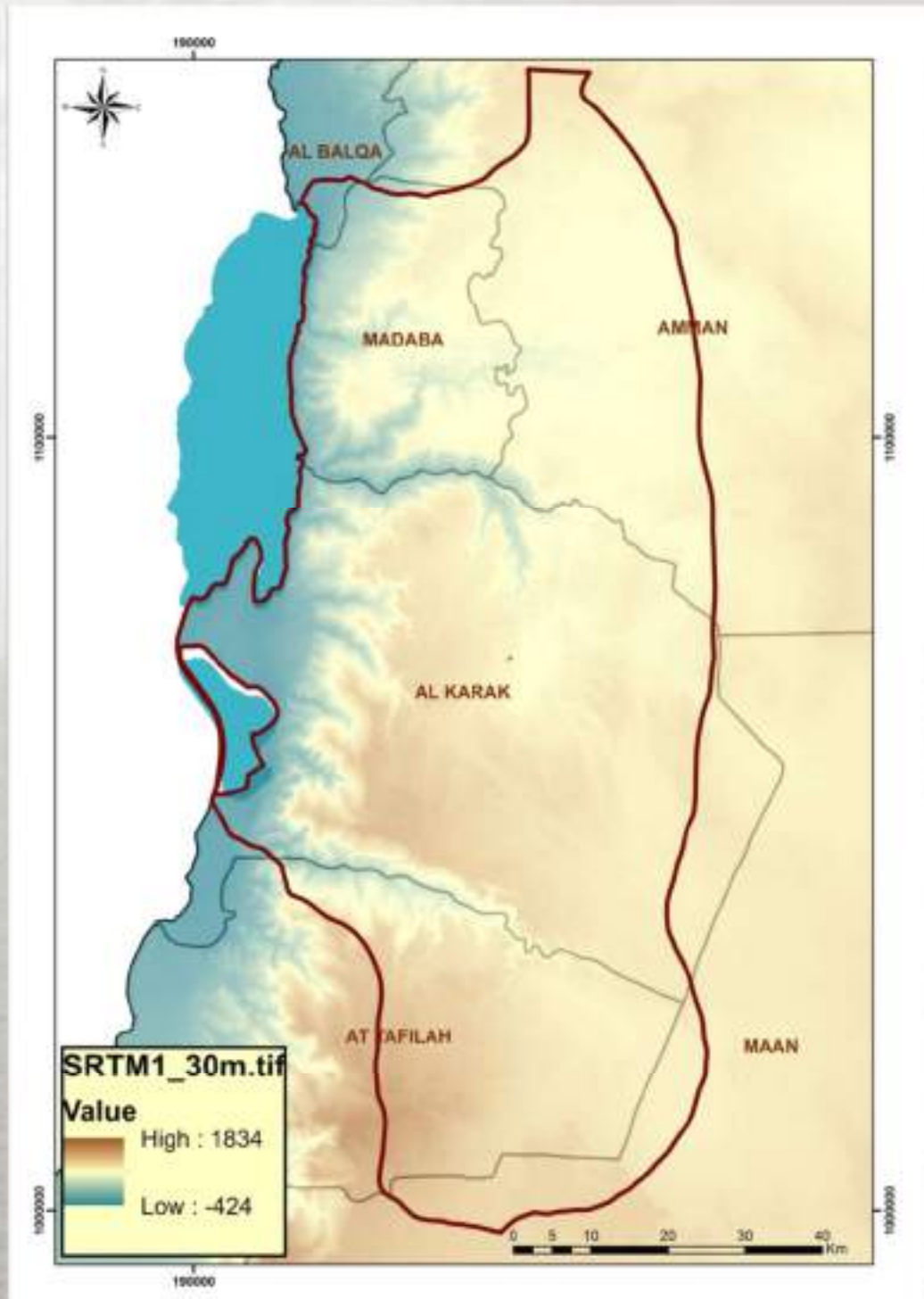
*Geo Alaa Attieh*



**DSB Location map**

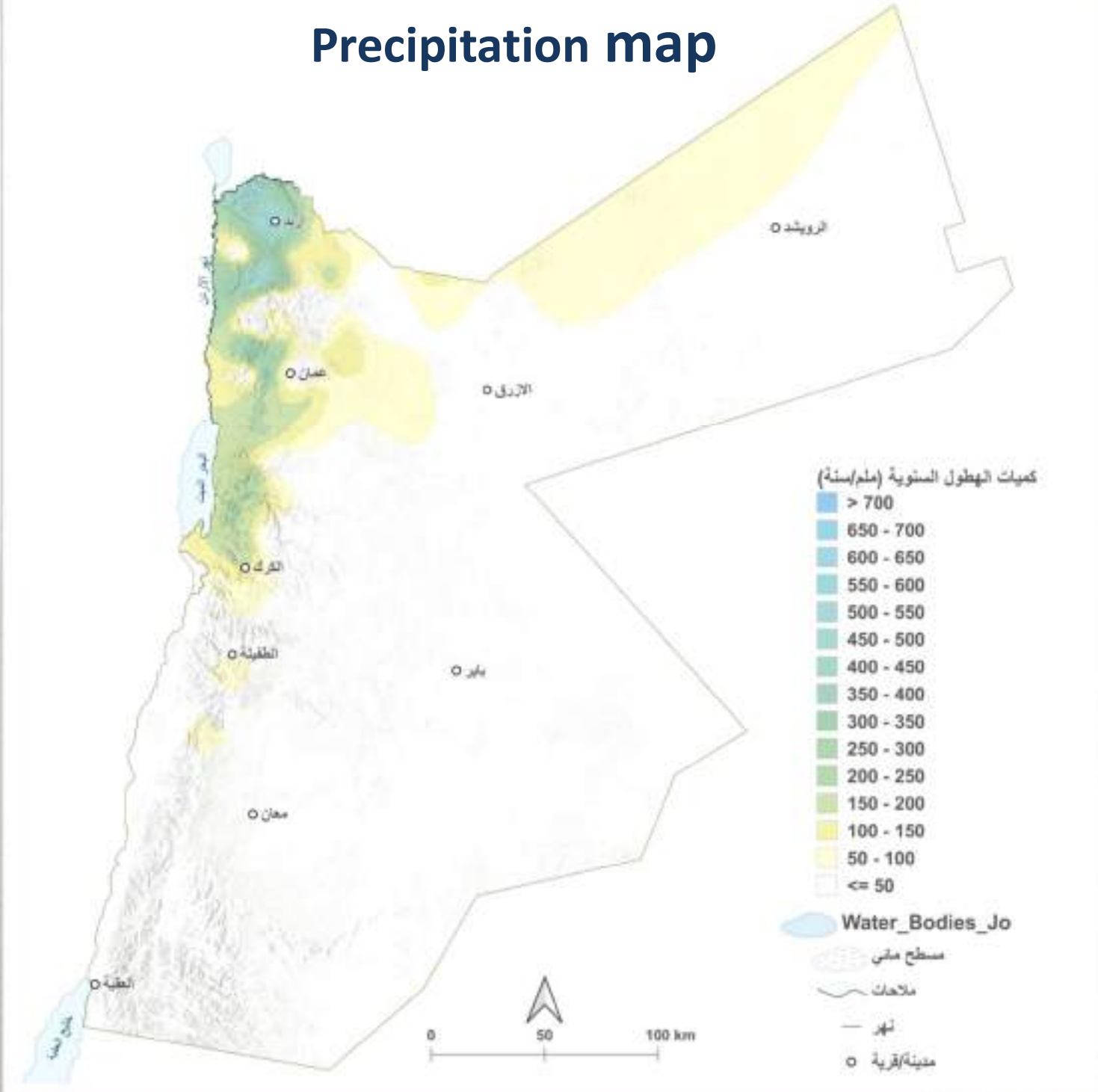


# Topography & Climate





# Precipitation map

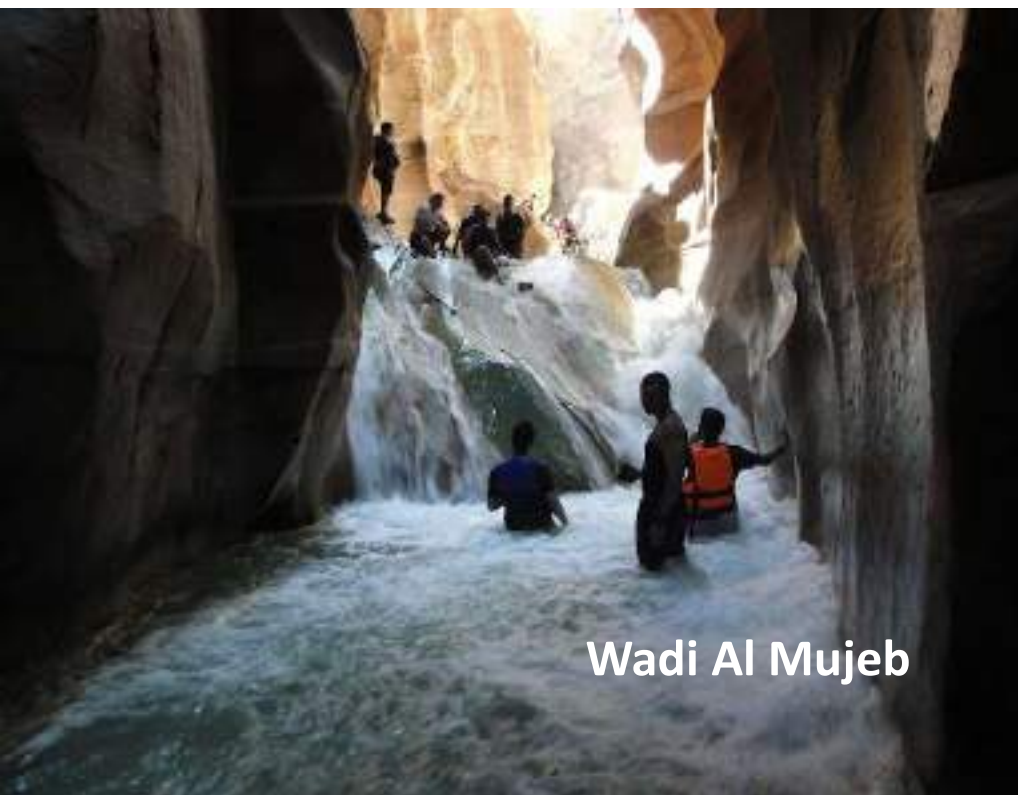












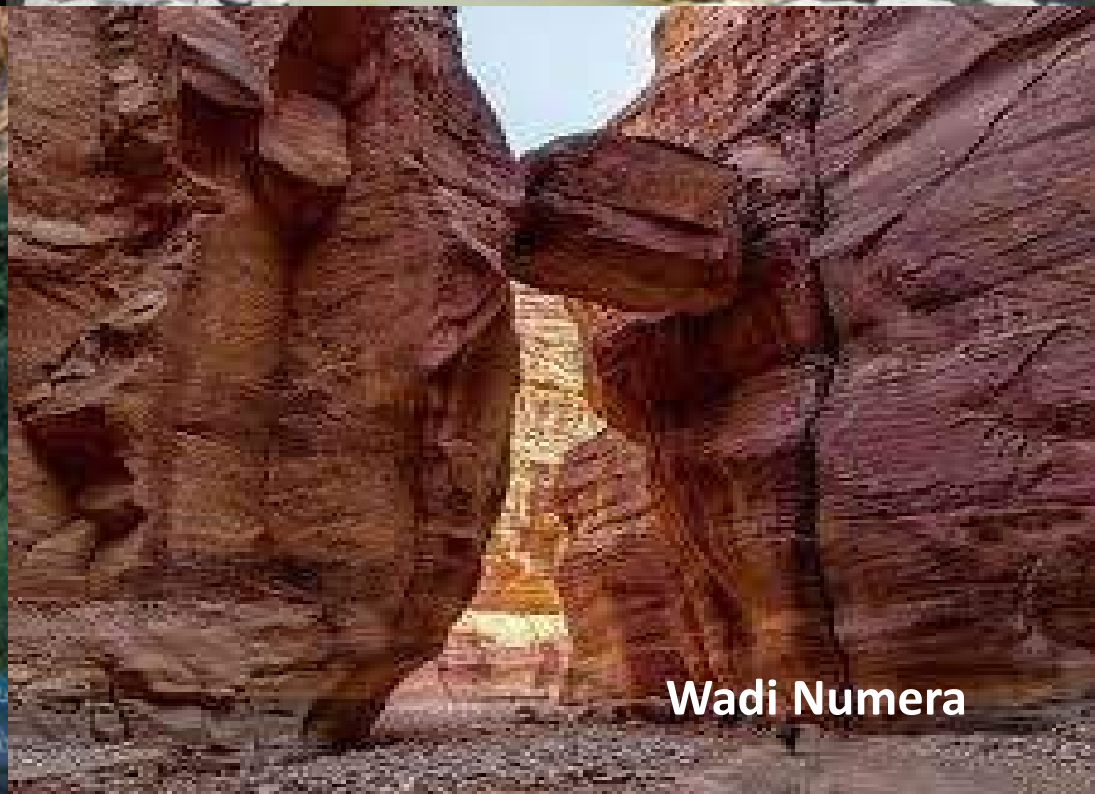
**Wadi Al Mujeb**



**Wadi Al Hedan**



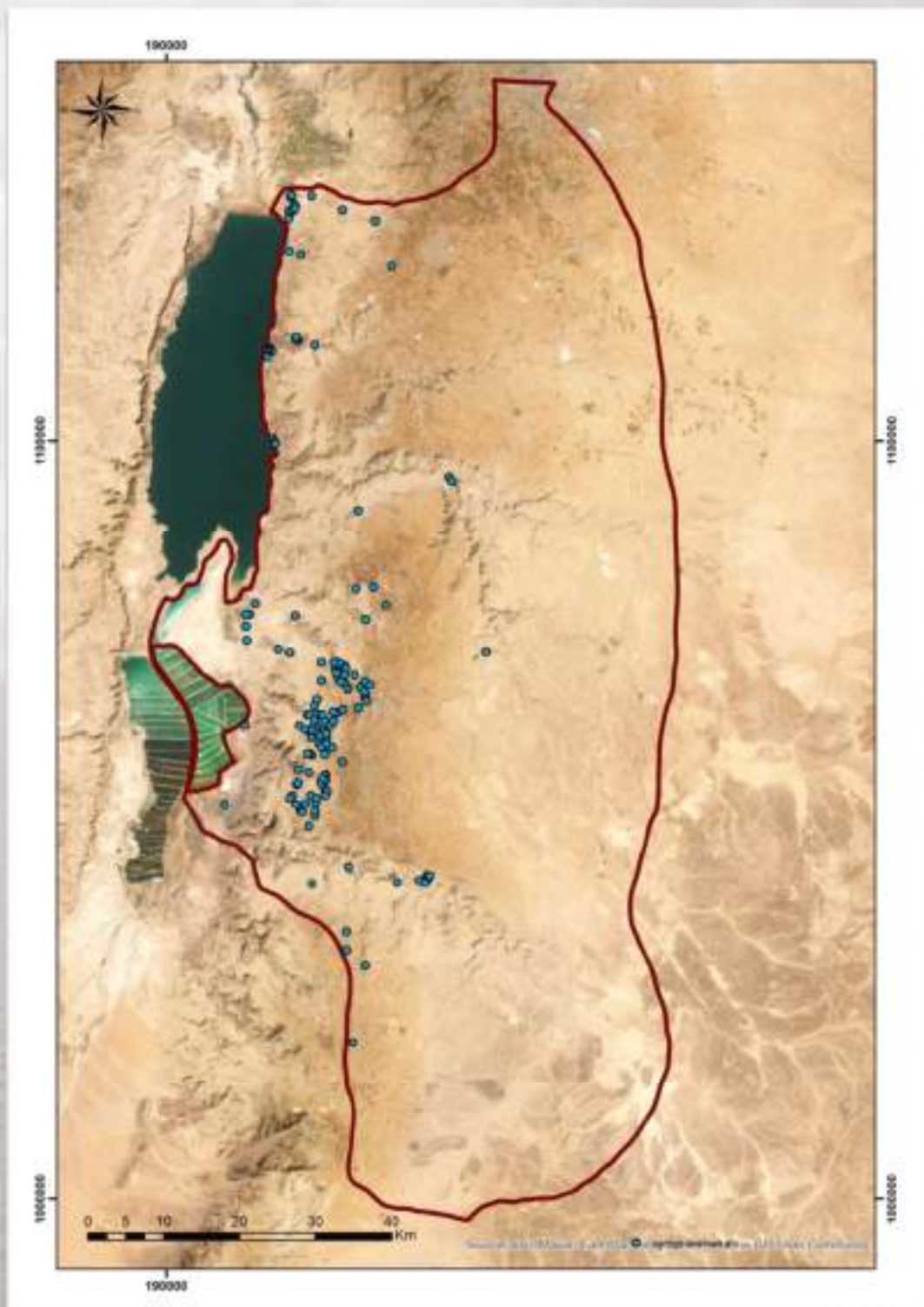
**Wadi Al Karak**



**Wadi Numera**

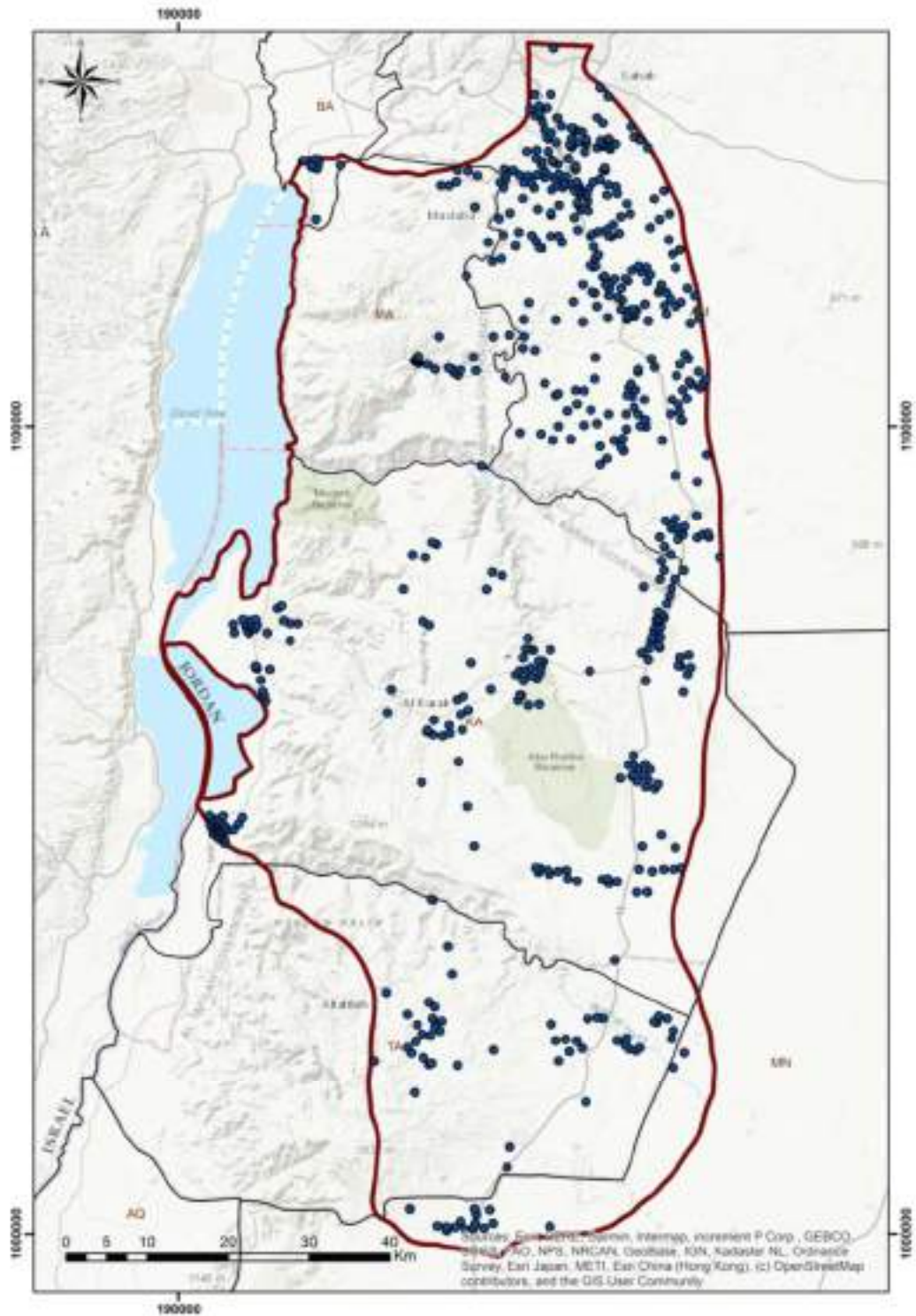
<b>Dam</b>	<b>Design Capacity (MCM)</b>	<b>Usage</b>
<b>Zrqaa maeen</b>	1	Irrigation & recharge
<b>Allajon</b>	2	Irrigation & recharge
<b>Tanour</b>	16.8	irrigation & industrial uses
<b>Wala</b>	8.2	Irrigation & recharge
<b>Mujeb</b>	29.8	Drinking, irrigation & industrial uses
<b>Karak</b>	2	Irrigation & recharge



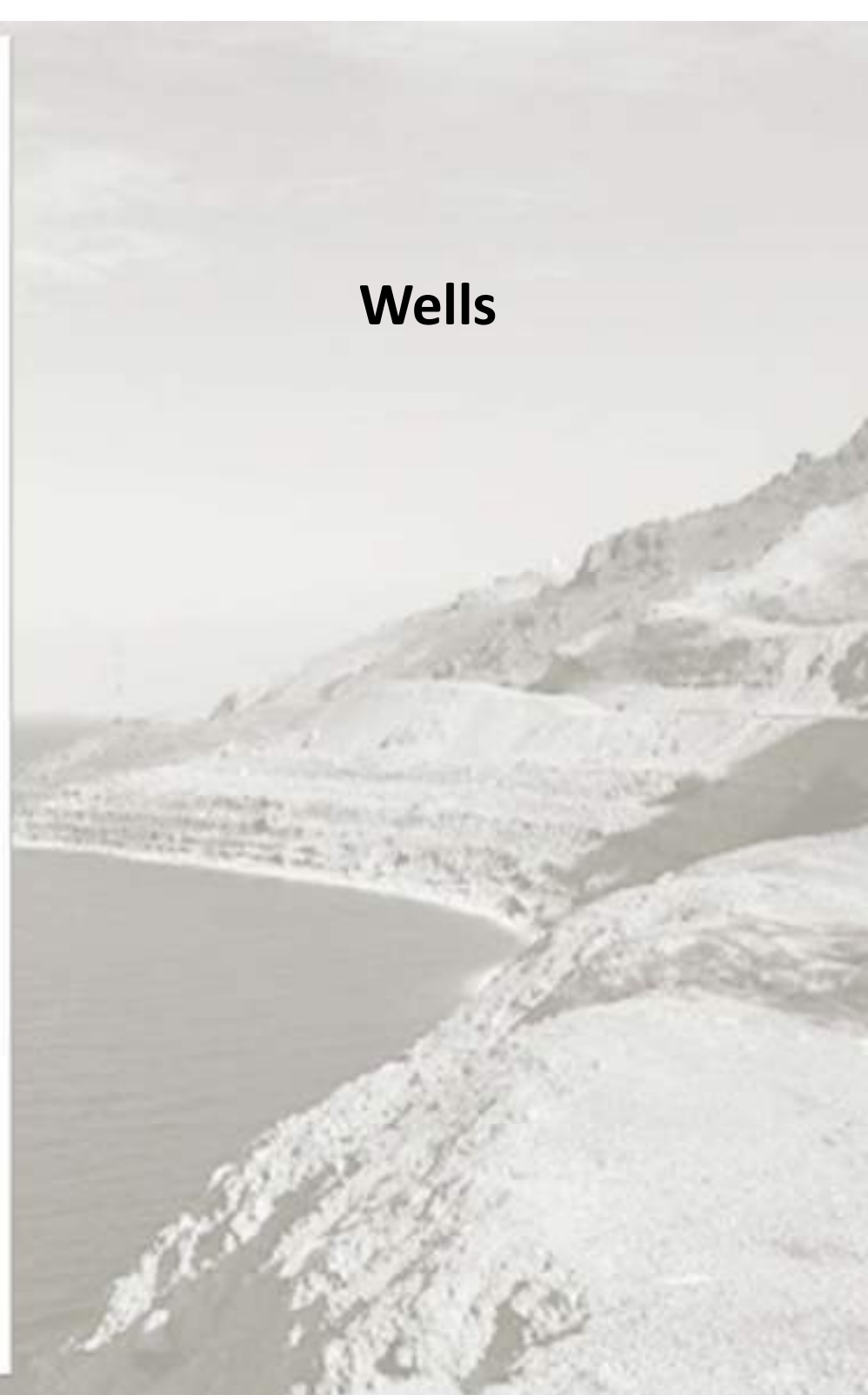


## Springs





Wells

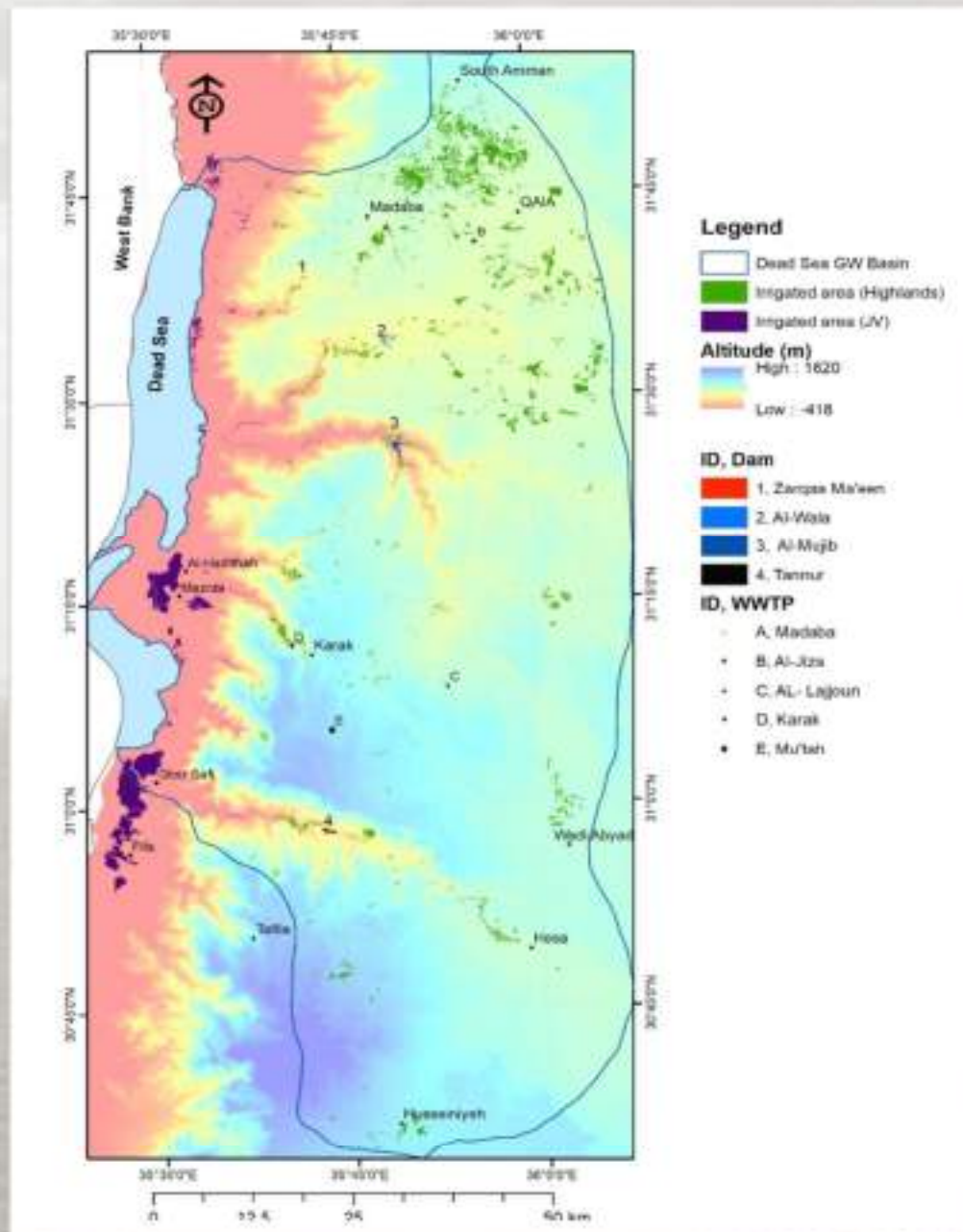




# groundwater extracted from Dead sea basin and its uses 2022

Industrial		nomadic		Government domestic		private domestic	
wells	production	wells	production	wells	production	wells	production
54	8.11	9	0.22	127	45.55	17	1.35

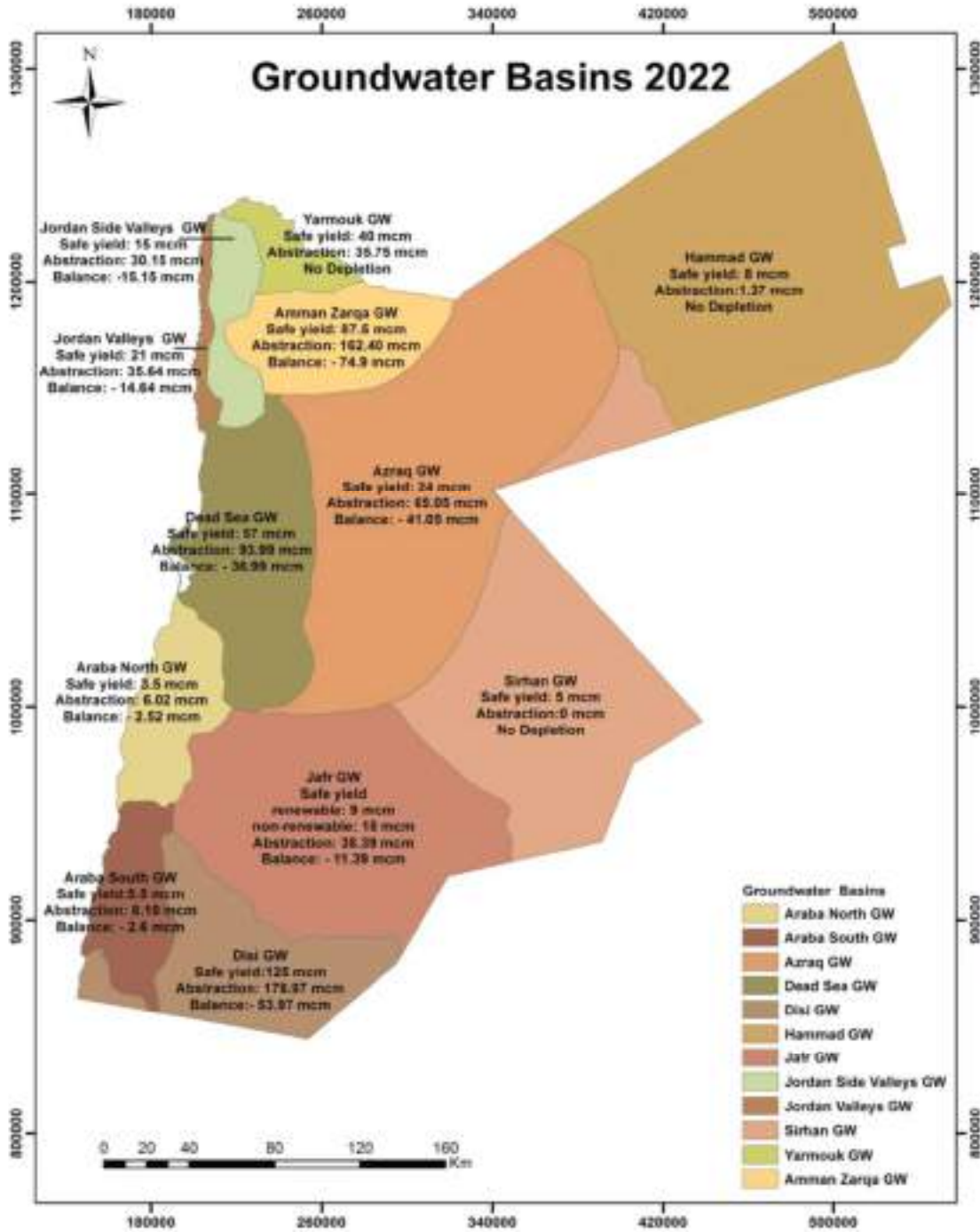
Total		Government irrigation		tourism		private irrigation	
wells	production (MCM)	wells	production	wells	production	wells	production
531	93.99	8	2.12	9	0.34	307	36.31



Distribution of irrigated areas during 2017



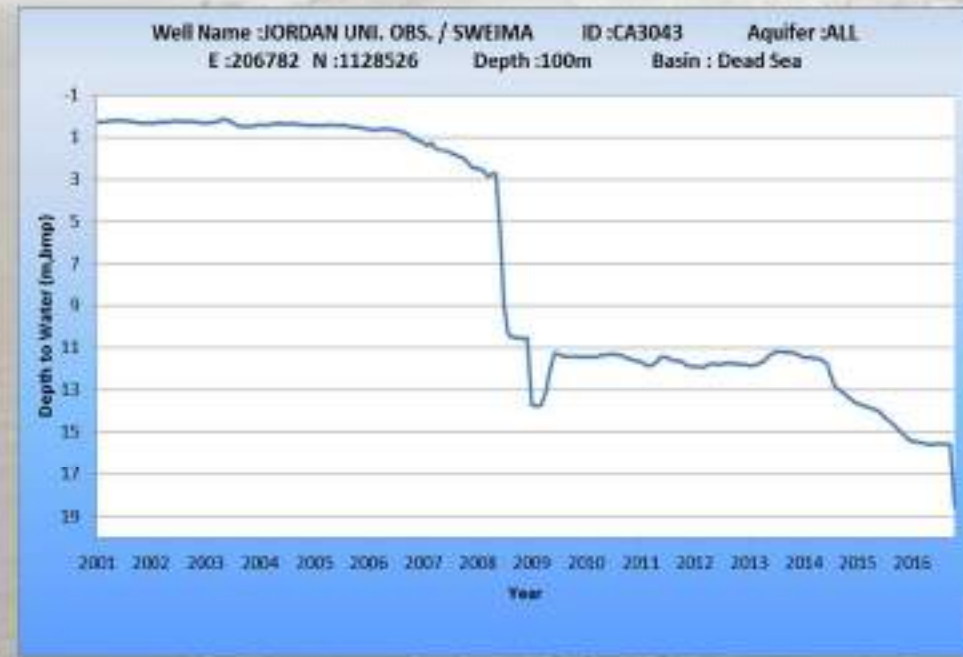
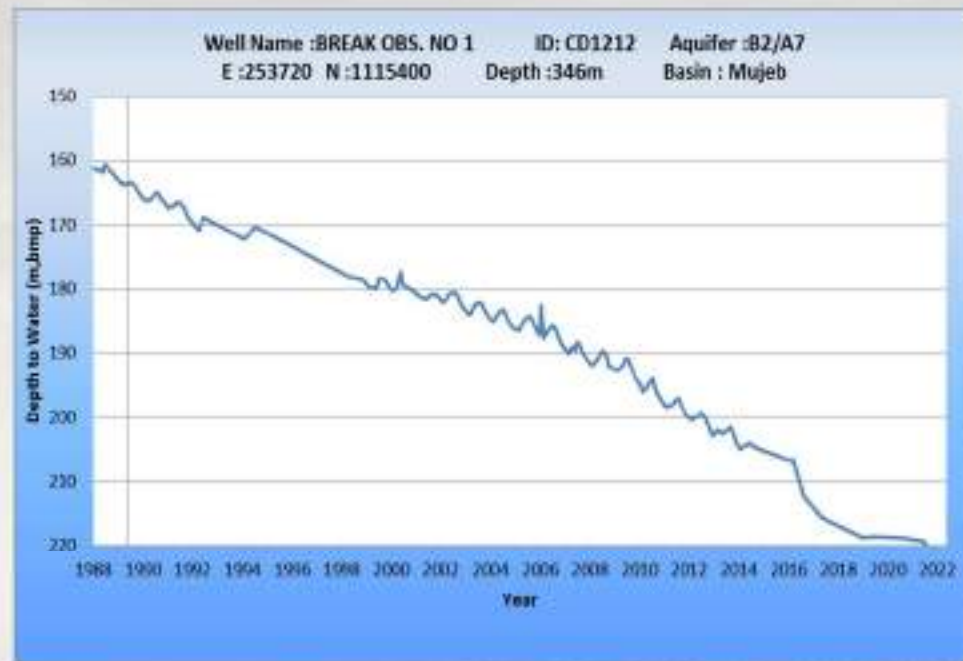
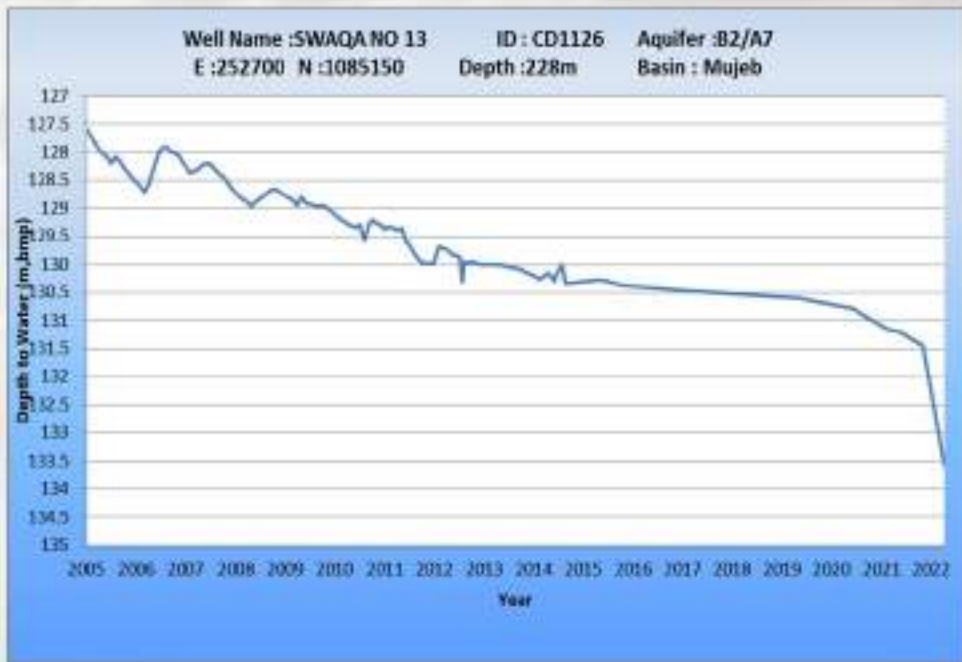
# Groundwater Basins 2022



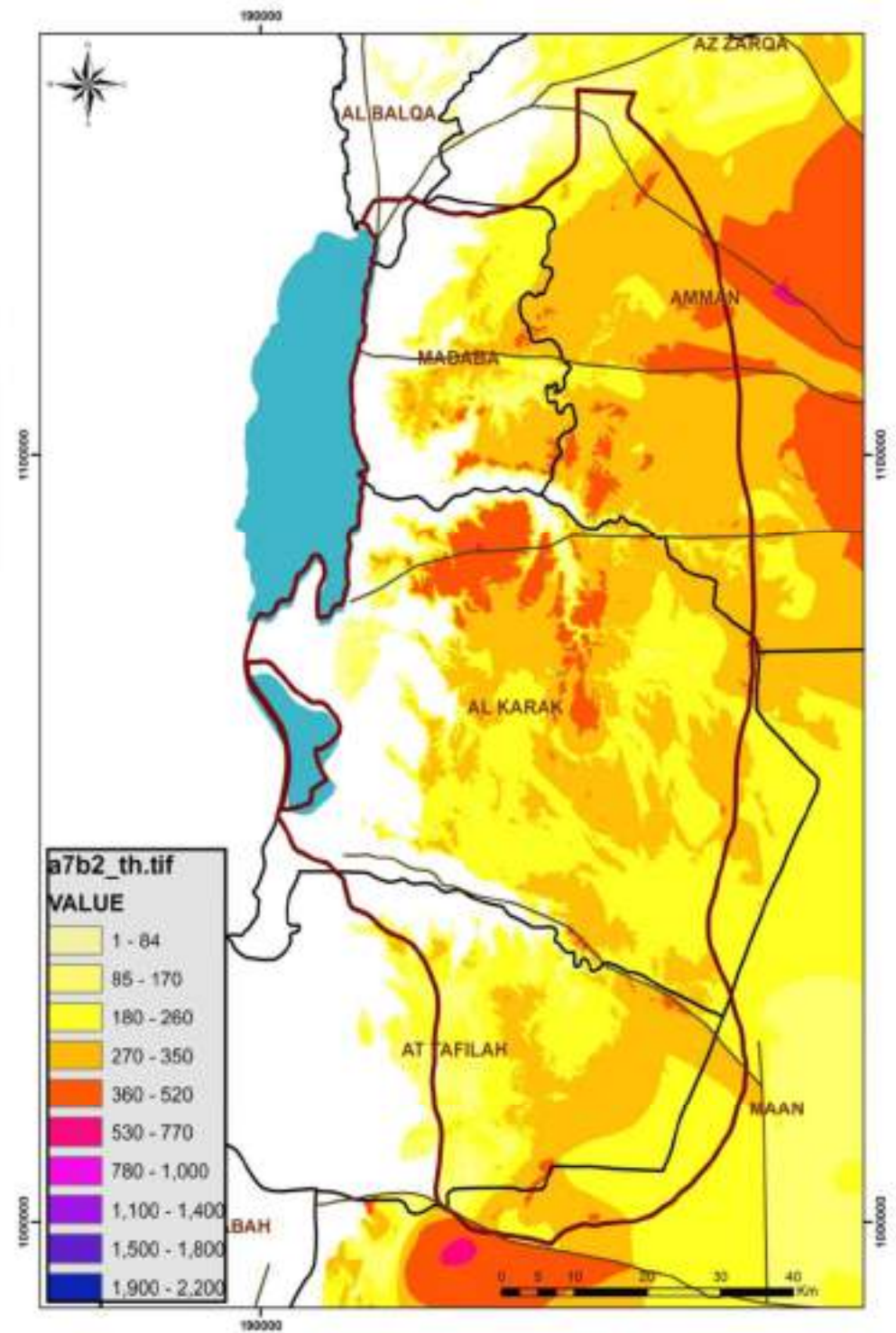
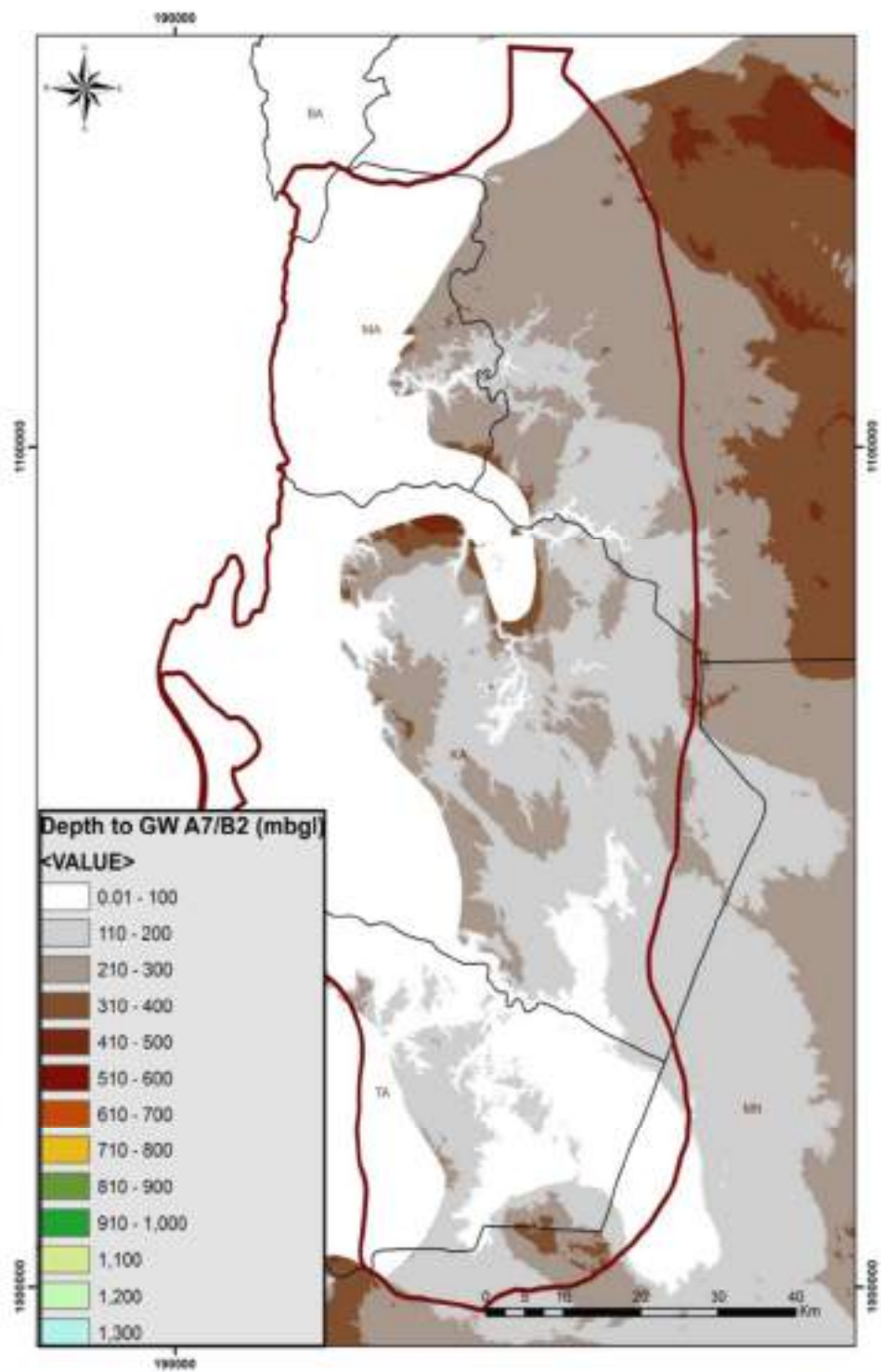
Groundwater Basin	Safe Yield (MCM)	Abstraction (MCM)	Deficit (MCM)
Disi & Mudawara	125	178.97	-53.97
Amman-Zarqa	87.5	162.4	-74.9
Yarmouk	40	35.75	4.25
Jordan Side Valley	15	30.15	-15.15
Azraq	24	65.05	-41.05
Jafer	27	38.39	-11.39
Jordan Valley	21	35.64	-14.64
<b>Dead Sea</b>	<b>57</b>	<b>93.99</b>	<b>-36.99</b>
Araba South	5.5	8.1	-2.6
Hammad	8	1.37	6.63
Sirhan	5	0	5
Araba North	3.5	6.02	-2.52













A scenic landscape featuring a small stream flowing through a rocky area. The water is dark and reflects the surrounding environment. Large, light-colored boulders are scattered throughout the scene, some partially submerged in the water. Lush green vegetation and vibrant pink flowers are scattered around the rocks and along the banks of the stream. In the background, a steep, rocky hillside rises, and the sky is a clear, pale blue. The overall atmosphere is peaceful and natural.

Thank you