

Sewerage Vulnerability in Jordan 2018

Hashemite Kingdom of Jordan



MINISTRY OF WATER AND IRRIGATION

Supported by :



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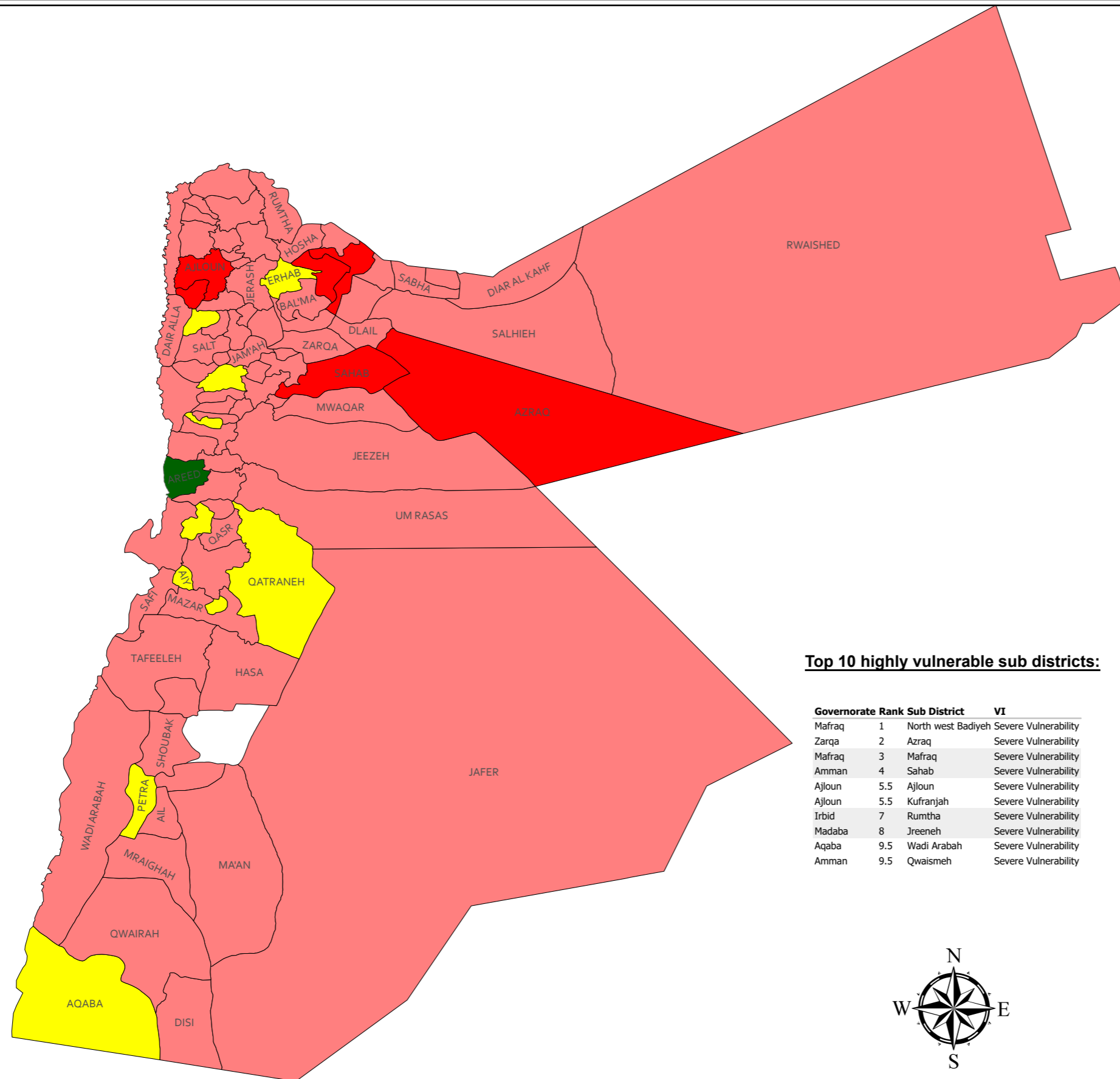
Vulnerability index based on the below indicators :

- 1.Sewerage network age 2018 [10%]
- 2.Sewerage network coverage 2018 [25%]
- 3.3. WWTP condition (in terms of hydraulic and biological load) [20%] *
- 4.Operation and maintenance Needs 2018 [15%] **
- 5.Poverty [10%] ***
- 6.The proportion of Syrian refugees [20%]

*As population significantly increases in certain areas, wastewater generated also increases. Rising both hydraulic and biological loads to the maximum limits in some plants, results in high health and environment risks.

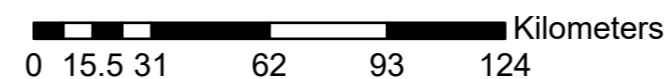
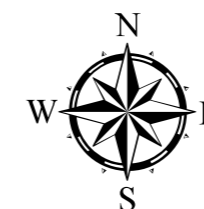
** This indicator is newly added to the vulnerability map, it's a calculation of the # of maintenance teams in comparison with the received complaints.

*** Poverty based on 2010 census in addition to the Syrian percentage considered with high poverty for water expenses.



Top 10 highly vulnerable sub districts:

Governorate	Rank	Sub District	VI
Mafraq	1	North west Badiyeh	Severe Vulnerability
Zarqa	2	Azraq	Severe Vulnerability
Mafraq	3	Mafraq	Severe Vulnerability
Amman	4	Sahab	Severe Vulnerability
Ajloun	5.5	Ajloun	Severe Vulnerability
Ajloun	5.5	Kufranjah	Severe Vulnerability
Irbid	7	Rumtha	Severe Vulnerability
Madaba	8	Jreneh	Severe Vulnerability
Aqaba	9.5	Wadi Arabah	Severe Vulnerability
Amman	9.5	Qwaismeh	Severe Vulnerability



Legend

Sewerage Vulnerability 2018

- Below or equal 0% : Low Vulnerability (1)
- (0% to 25%] : Moderate Vulnerability (10)
- (25% to 50%] : High Vulnerability (71)
- Above 50% : Severe Vulnerability (6)

Data source:

1.Sewerage parameters such as age, coverage, maintenance teams, complaints received 2018: collected by Ministry of water and Irrigation (PMU). Source from: WAJ,Yarmouk, Miyahuna, Aqaba and Jordan Valley Authority.

2.Population : Census 2015 - The Department of Statistics (DoS)

3.Poverty: Census 2010 - The Department of Statistics (DoS)