

## WASH Biweekly Bulletin - Syria Early Warning Alert and Response Network

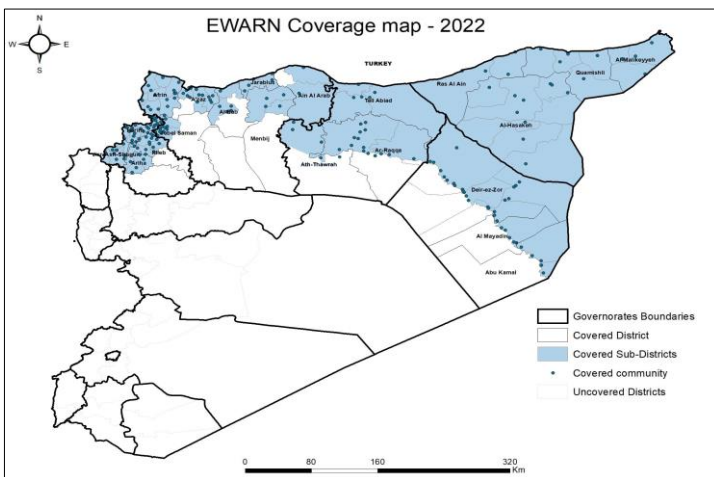
Date: 29 Jan - 11 Feb 2023

Week No. 05-06

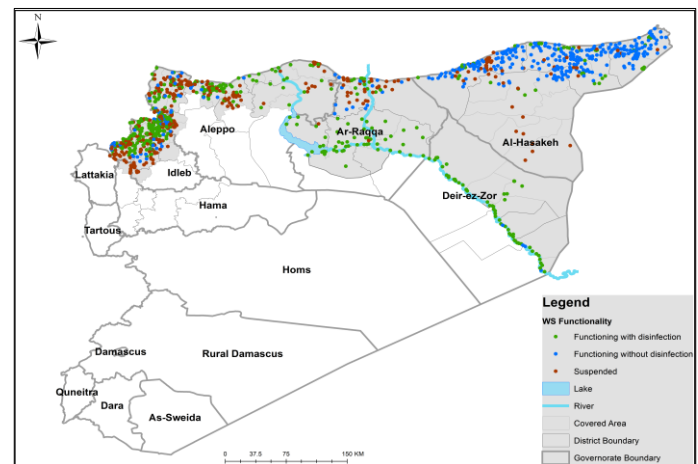
### Highlights

- This report covers 1299 public drinking water stations monitored in 6 governorates, 1104 community-based, and 195 camp-based water stations. The percentages in this report represent only the sources monitored.
- Of the monitored drinking water stations, a percentage of 68% (885/1299) were functioning, while 31% (397 /1293) of
- The percentage of the suspended stations due to the lack of operational costs is 21%, and the percentage of the suspended stations due to the need for total-scale maintenance is 20%, of the total suspended water stations.
- Of the water stations, 36% depend on the grid and 34% depend on generators as a electric power, while the rest of the stations depend on other sources (more details below).
- In the areas that their stations are suspended, private agricultural wells are used as an alternative water source, and tankers are used in water transportation.
- The percentage of disinfected water sources was 60% (532/885).
- Of the functioning water stations, percentage of 88% (774/885) delivered water using a piping network, percentage of 08% (67/885) delivered water using water trucking and percentage of 04% (39/885) delivered water using both, and 01% (5/885) delivered water using manhal.
- 11 water quality tests were conducted, 03 of them were contaminated.
- Please find Turkey-Syria Earthquake Impact on the Water Stations in Northwest Syria appendix below

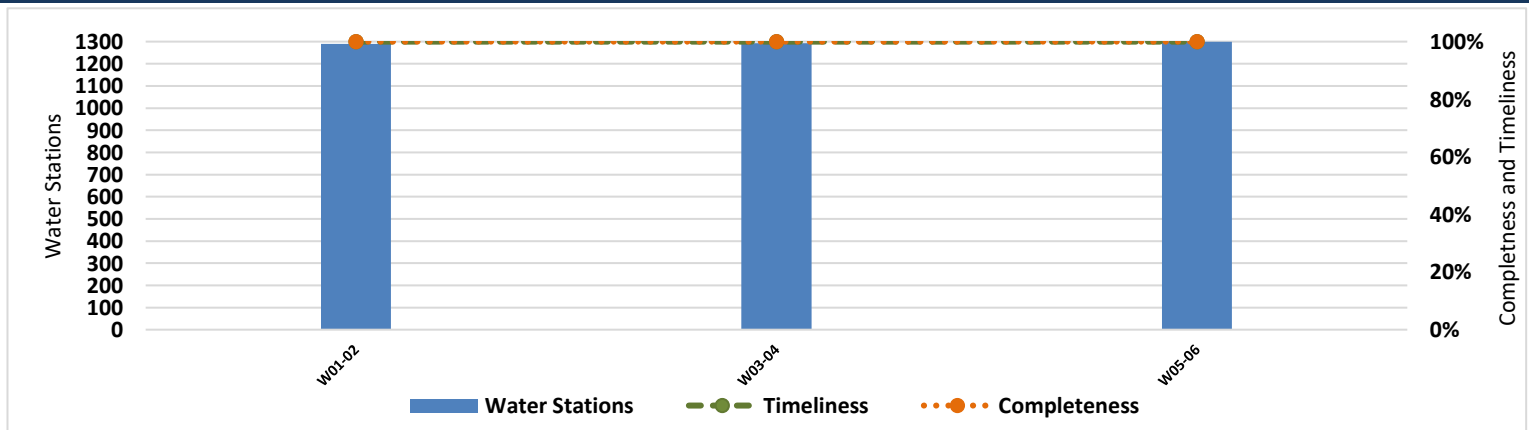
### EWARN Coverage



### WASH Coverage by EWARN



### Completeness and Timeliness of Biweekly Reports

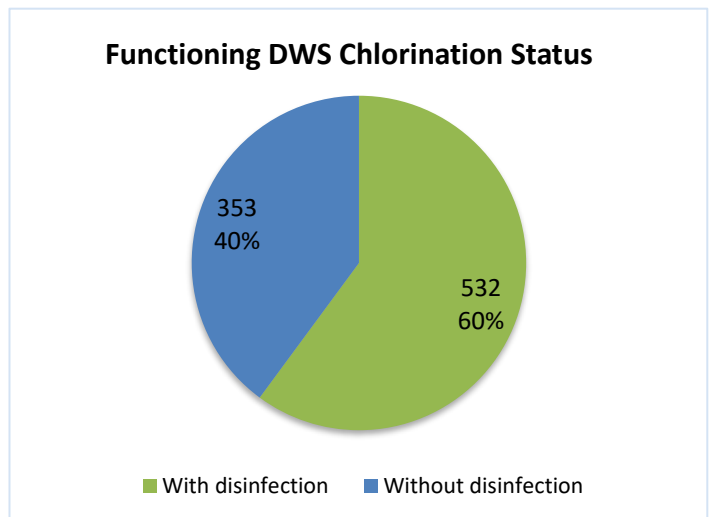
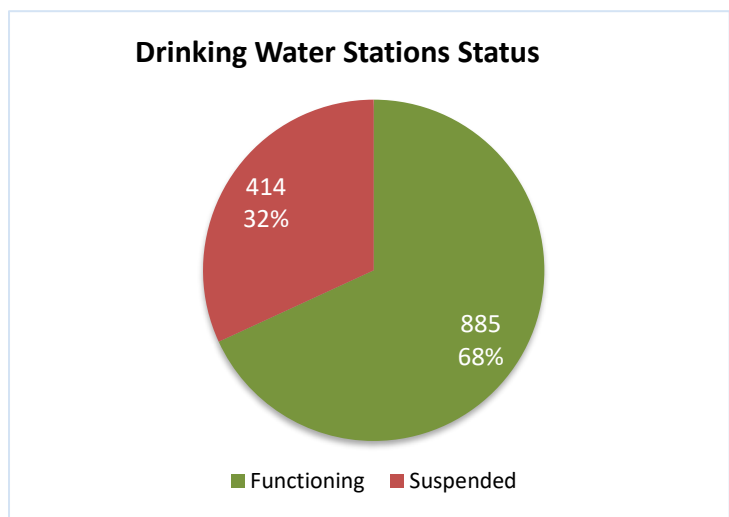


## Drinking Water Stations Status in Each Governorate

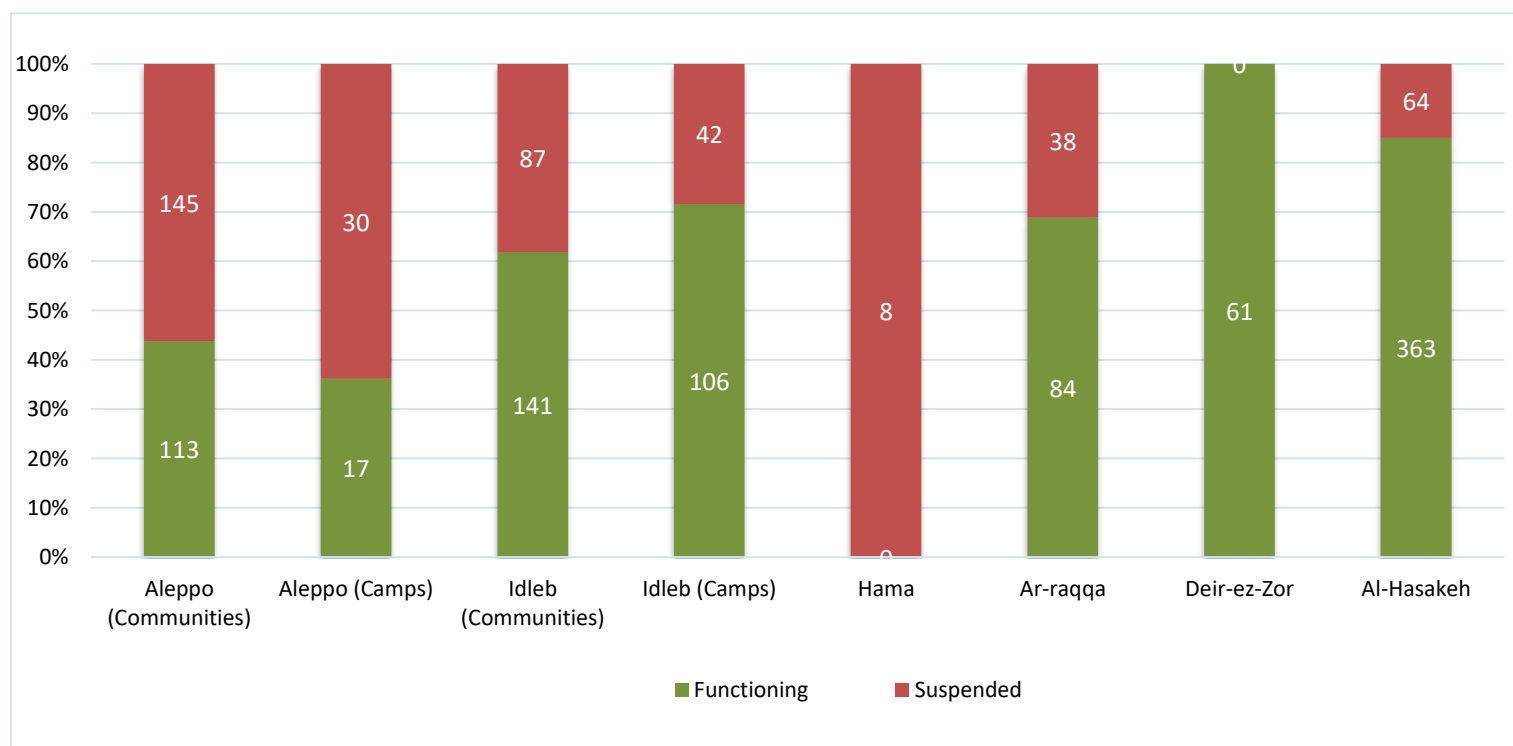
| Governorate          | Drinking Water Stations Status |             |            |
|----------------------|--------------------------------|-------------|------------|
|                      | Total                          | Functioning | Percentage |
| Aleppo (Communities) | 258                            | 113         | 44%        |
| Aleppo (Camps)       | 47                             | 17          | 36%        |
| Idleb (Communities)  | 228                            | 141         | 62%        |
| Idleb (Camps)        | 148                            | 106         | 72%        |
| Hama                 | 8                              | 0           | 0%         |
| Ar-raqqa             | 122                            | 84          | 69%        |
| Deir-ez-Zor          | 61                             | 61          | 100%       |
| Al-Hasakeh           | 427                            | 363         | 85%        |
| <b>Total</b>         | <b>1299</b>                    | <b>885</b>  | <b>68%</b> |

| Governorate          | Functioning DWS Chlorination Status |                   |            |
|----------------------|-------------------------------------|-------------------|------------|
|                      | Total                               | With disinfection | Percentage |
| Aleppo (Communities) | 113                                 | 99                | 88%        |
| Aleppo (Camps)       | 17                                  | 11                | 65%        |
| Idleb (Communities)  | 141                                 | 121               | 86%        |
| Idleb (Camps)        | 106                                 | 71                | 67%        |
| Hama                 | 0                                   | 0                 | 0%         |
| Ar-raqqa             | 84                                  | 72                | 86%        |
| Deir-ez-Zor          | 61                                  | 56                | 92%        |
| Al-Hasakeh           | 363                                 | 102               | 28%        |
| <b>Total</b>         | <b>885</b>                          | <b>532</b>        | <b>60%</b> |

## Drinking Water Stations Status

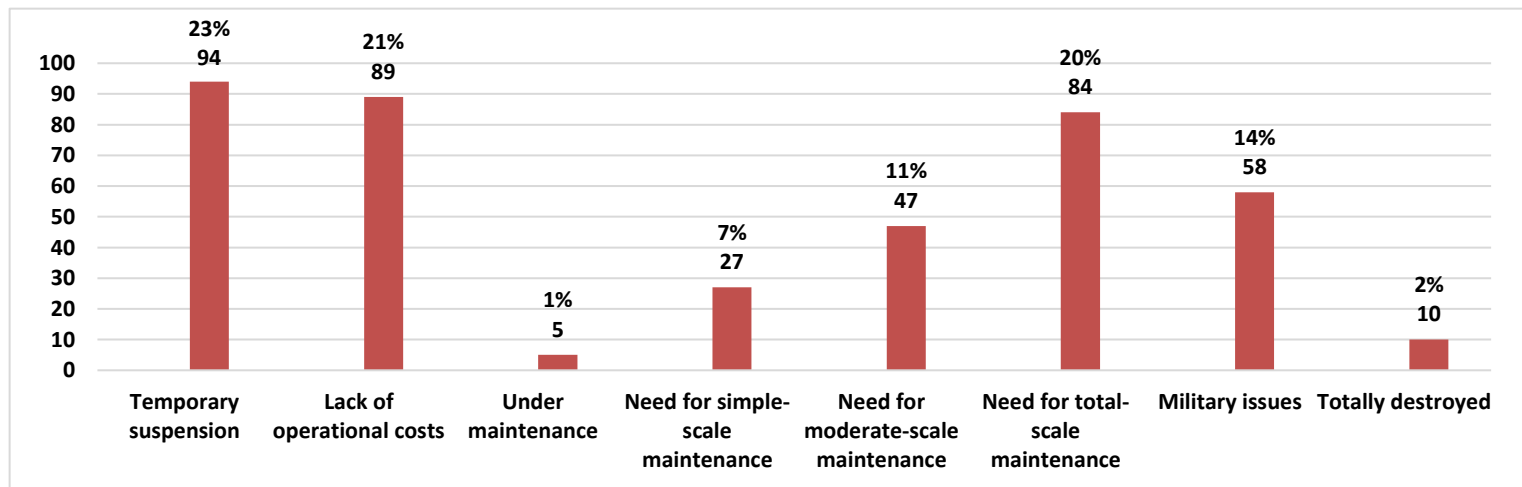


## Drinking Water Stations Status in Governorates



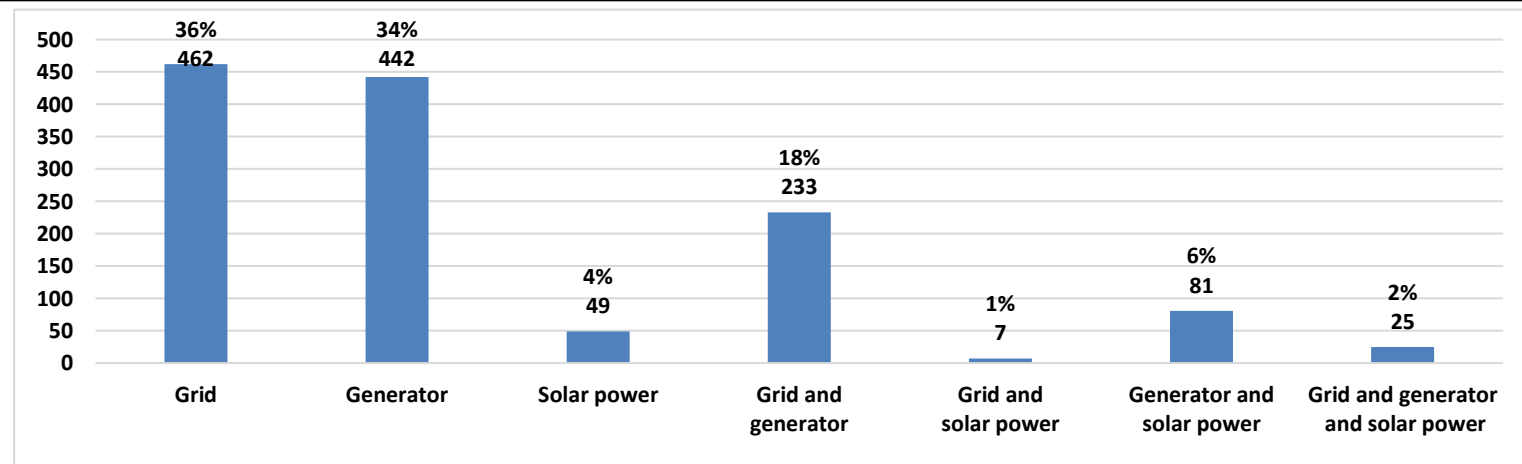
## The Reason for Suspension

| Governorate  | Temporary suspension | Lack of operational costs | Under maintenance | Need for simple-scale maintenance | Need for moderate-scale maintenance | Need for total-scale maintenance | Military issues | Totally destroyed |
|--------------|----------------------|---------------------------|-------------------|-----------------------------------|-------------------------------------|----------------------------------|-----------------|-------------------|
| Aleppo       | 35                   | 41                        | 2                 | 11                                | 30                                  | 42                               | 9               | 5                 |
| Idleb        | 12                   | 47                        | 1                 | 11                                | 11                                  | 33                               | 11              | 3                 |
| Hama         | 0                    | 0                         | 0                 | 0                                 | 0                                   | 0                                | 8               | 0                 |
| Ar-raqqqa    | 20                   | 0                         | 0                 | 2                                 | 4                                   | 4                                | 8               | 0                 |
| Deir-ez-Zor  | 0                    | 0                         | 0                 | 0                                 | 0                                   | 0                                | 0               | 0                 |
| Al-Hasakeh   | 27                   | 1                         | 2                 | 3                                 | 2                                   | 5                                | 22              | 2                 |
| <b>Total</b> | <b>94</b>            | <b>89</b>                 | <b>5</b>          | <b>27</b>                         | <b>47</b>                           | <b>84</b>                        | <b>58</b>       | <b>10</b>         |

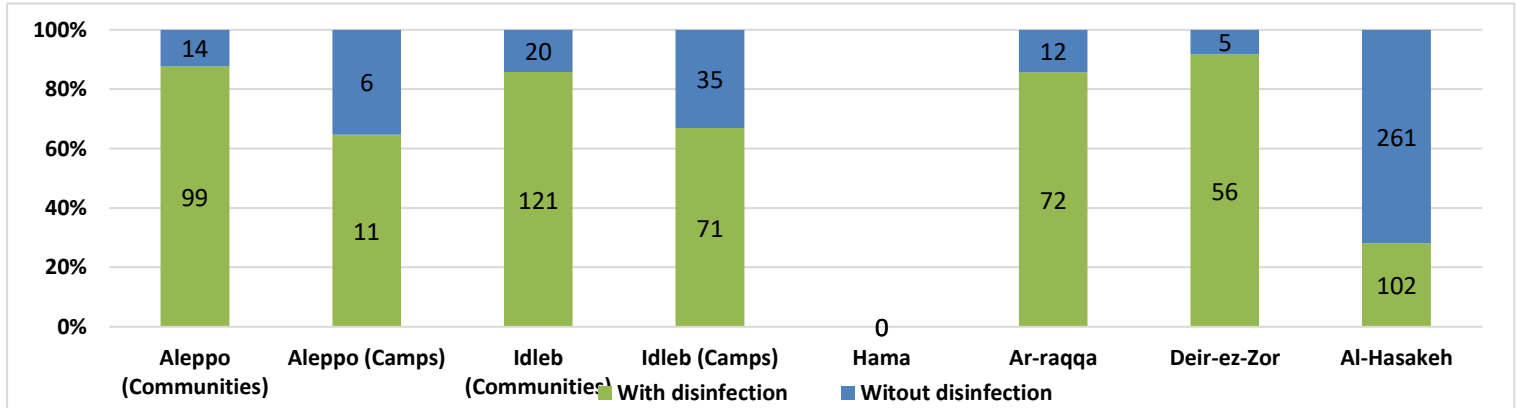


## Source of the Electric Power

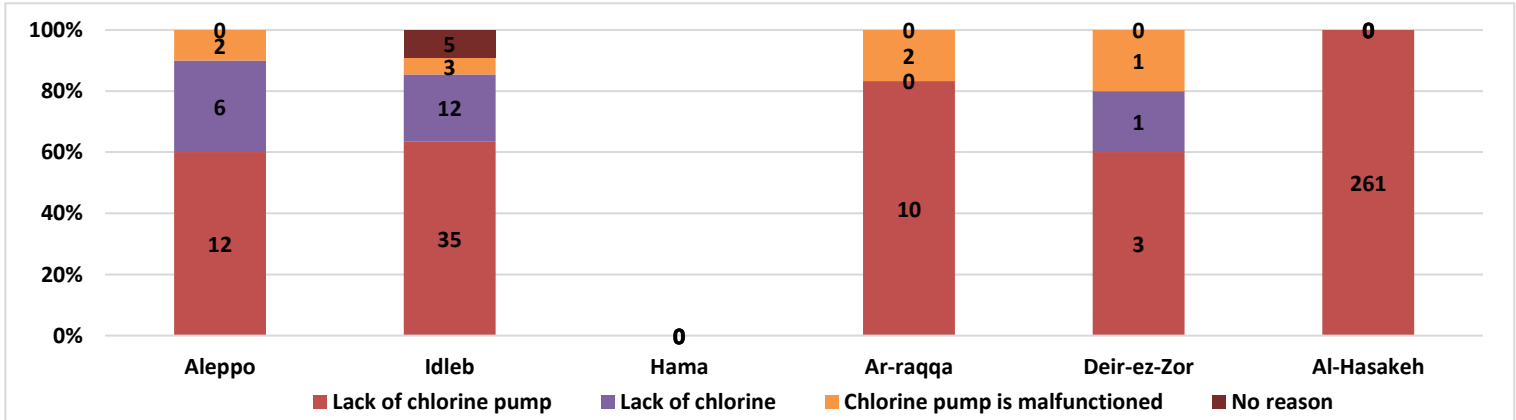
| Governorate  | Grid       | Generator  | Solar power | Grid and generator | Grid and solar power | Generator and solar power | Grid and generator and solar power |
|--------------|------------|------------|-------------|--------------------|----------------------|---------------------------|------------------------------------|
| Aleppo       | 20         | 169        | 13          | 43                 | 1                    | 39                        | 20                                 |
| Idleb        | 13         | 247        | 33          | 32                 | 6                    | 41                        | 4                                  |
| Hama         | 0          | 8          | 0           | 0                  | 0                    | 0                         | 0                                  |
| Ar-raqqqa    | 79         | 3          | 3           | 36                 | 0                    | 1                         | 0                                  |
| Deir-ez-Zor  | 0          | 12         | 0           | 49                 | 0                    | 0                         | 0                                  |
| Al-Hasakeh   | 350        | 3          | 0           | 73                 | 0                    | 0                         | 1                                  |
| <b>Total</b> | <b>462</b> | <b>442</b> | <b>49</b>   | <b>233</b>         | <b>7</b>             | <b>81</b>                 | <b>25</b>                          |



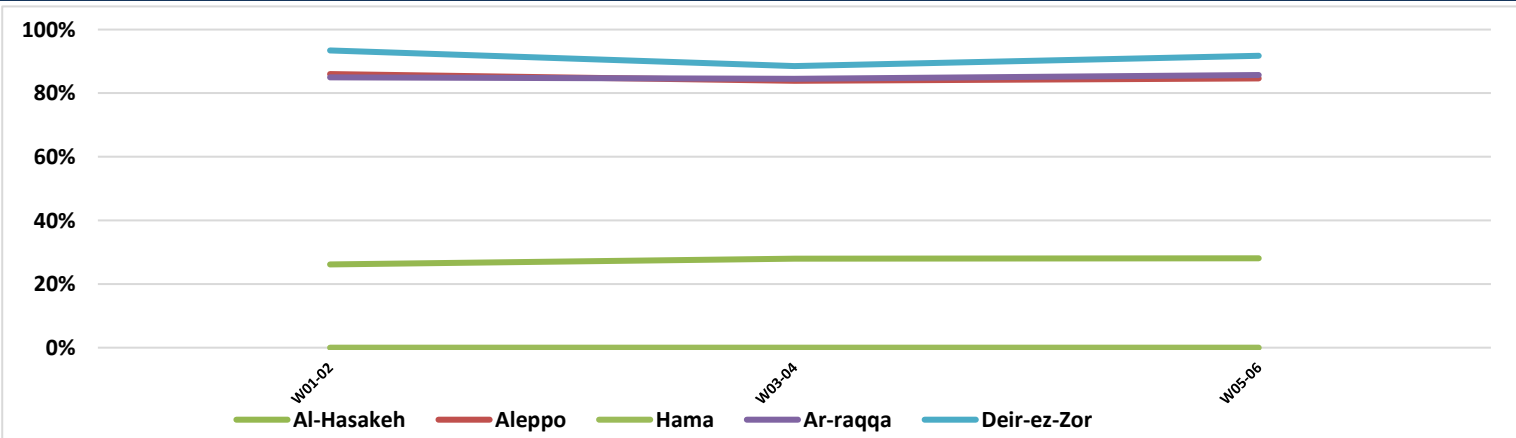
## Functioning Drinking Water Stations Chlorination Status



## The Reason for not Chlorination

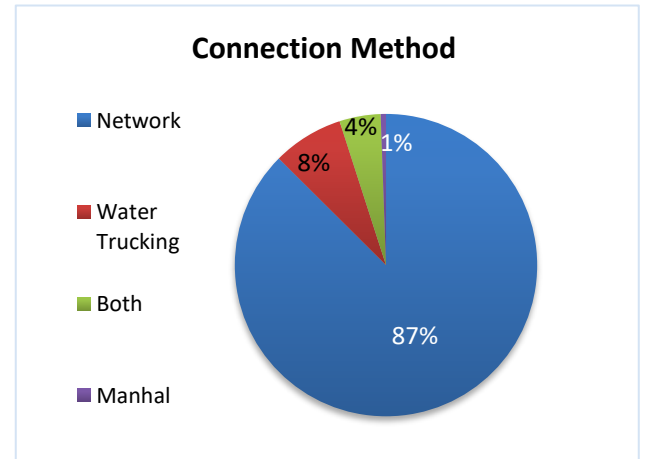


## Chlorination Status Over Weeks

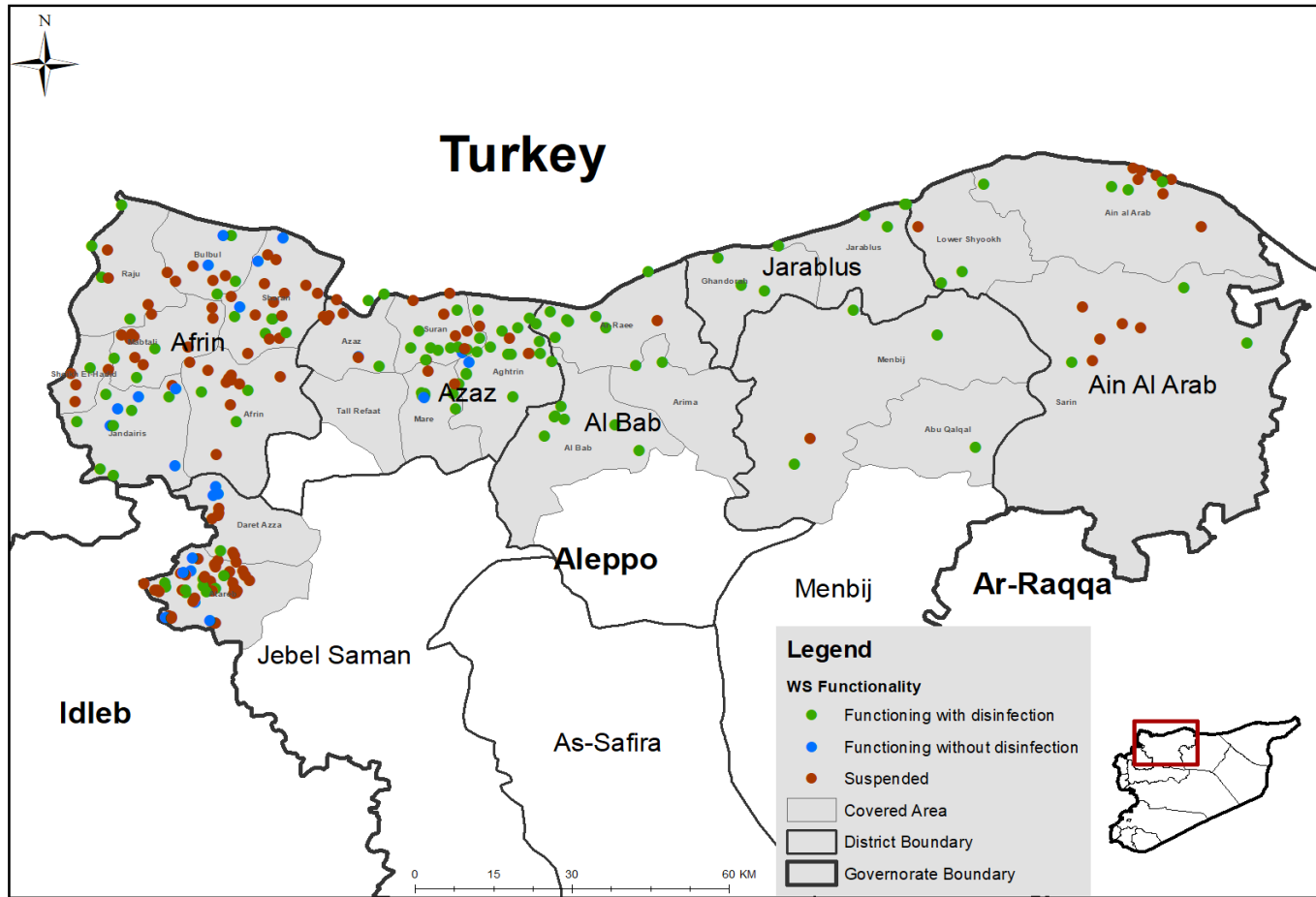


## Connection Method

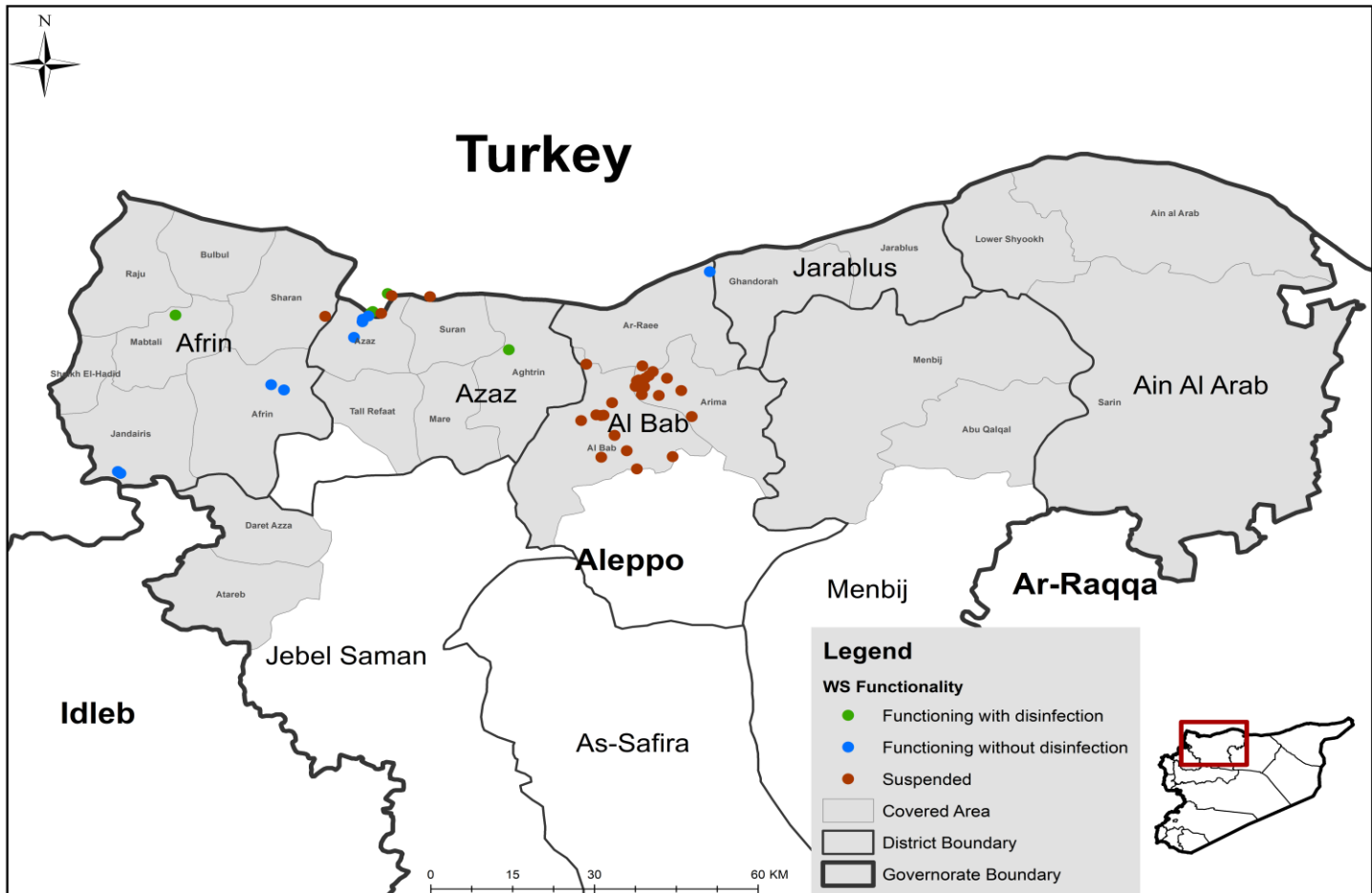
| Governorate  | Functioning DWS | Method     |                |           |          |
|--------------|-----------------|------------|----------------|-----------|----------|
|              |                 | Network    | Water Trucking | Both      | Manhal   |
| Aleppo       | 130             | 113        | 3              | 9         | 5        |
| Idleb        | 247             | 162        | 57             | 28        | 0        |
| Hama         | 0               | 0          | 0              | 0         | 0        |
| Ar-raqqqa    | 84              | 81         | 2              | 1         | 0        |
| Deir-ez-Zor  | 61              | 57         | 4              | 0         | 0        |
| Al-Hasakeh   | 363             | 361        | 1              | 1         | 0        |
| <b>Total</b> | <b>885</b>      | <b>774</b> | <b>67</b>      | <b>39</b> | <b>5</b> |



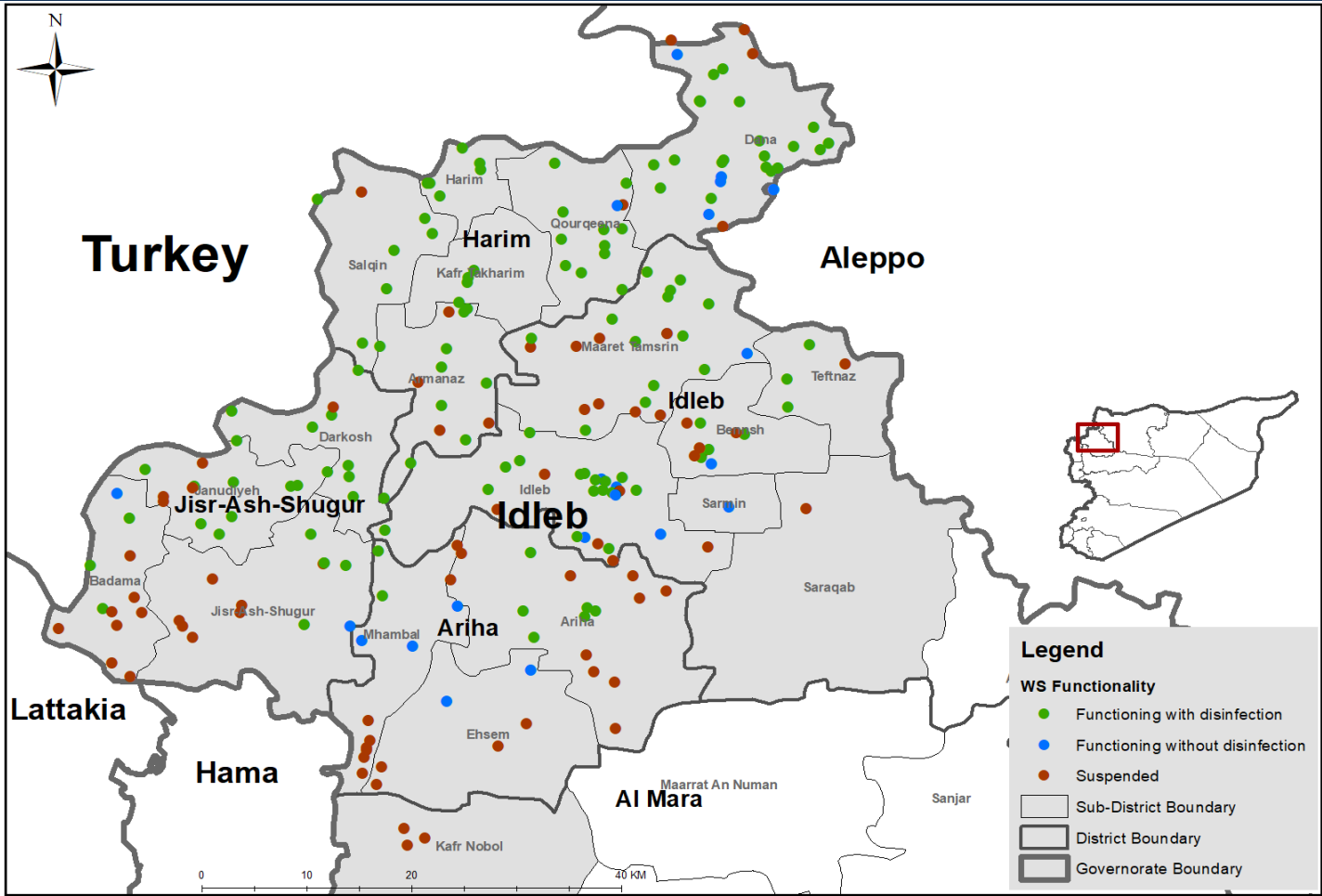
## Drinking Water Stations Distribution in Aleppo (Communities Water Stations)



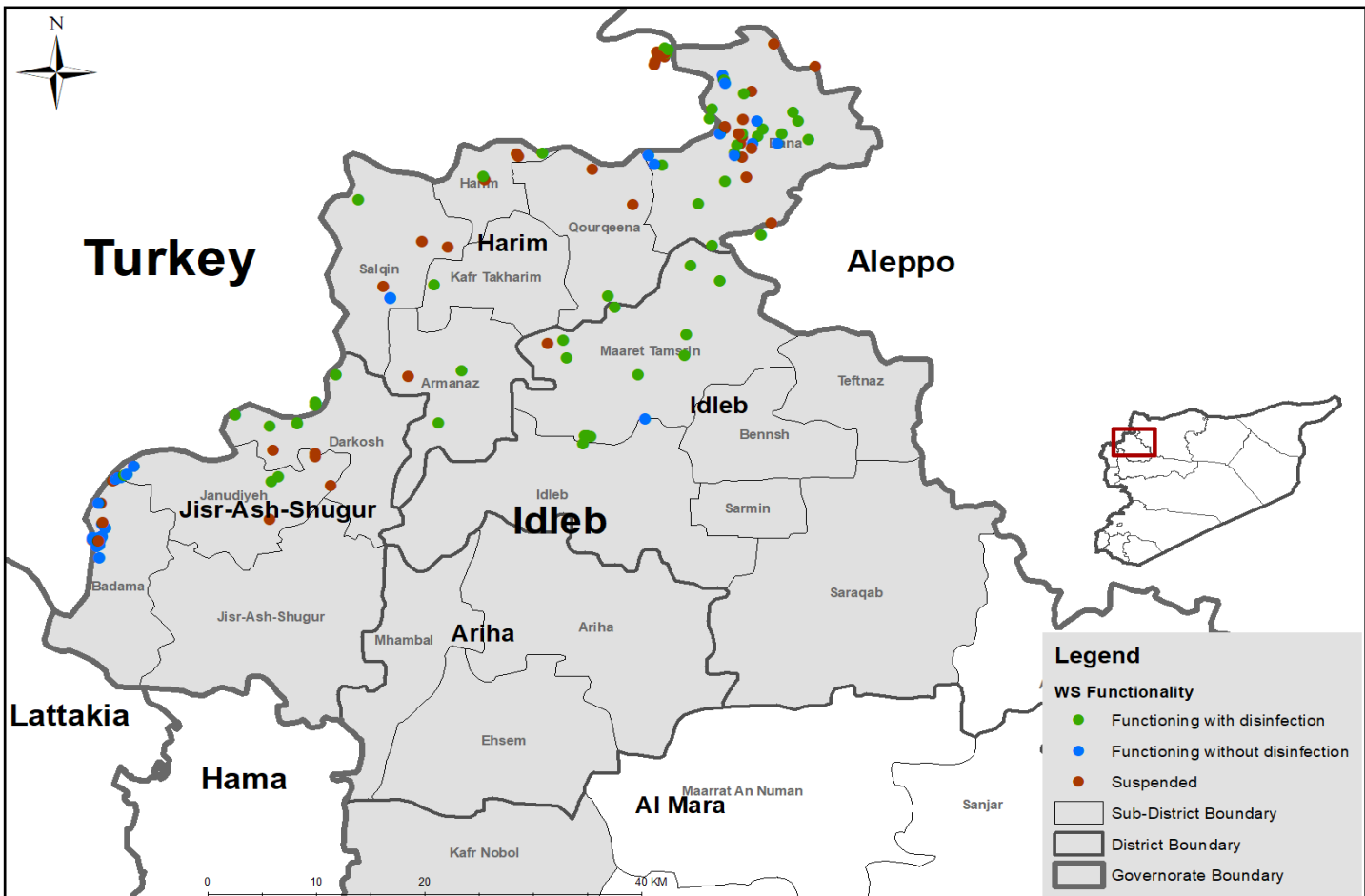
## Drinking Water Stations Distribution in Aleppo (Camps Water Stations)



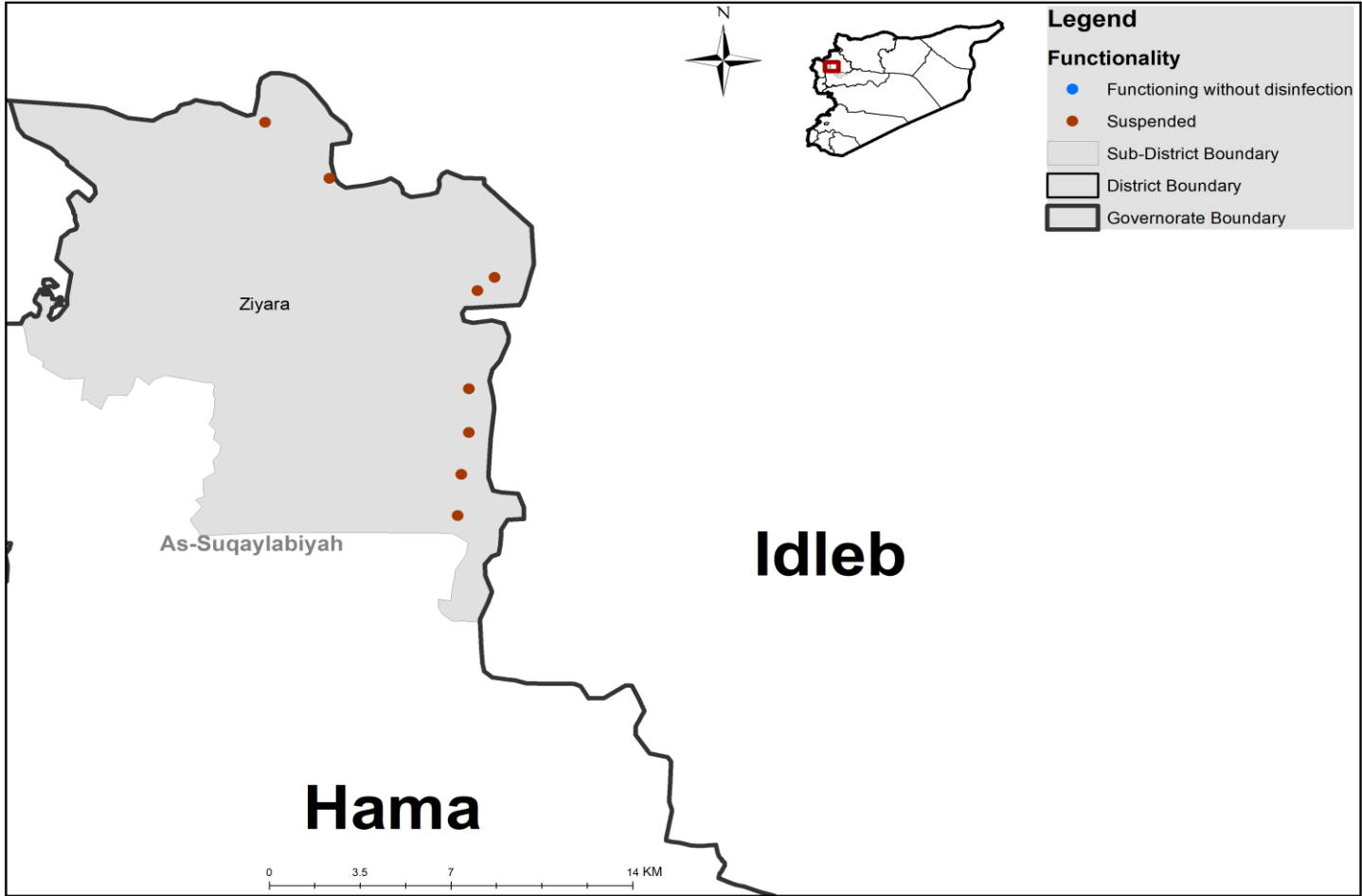
## Drinking Water Stations Distribution in Idleb (Communities Water Stations)



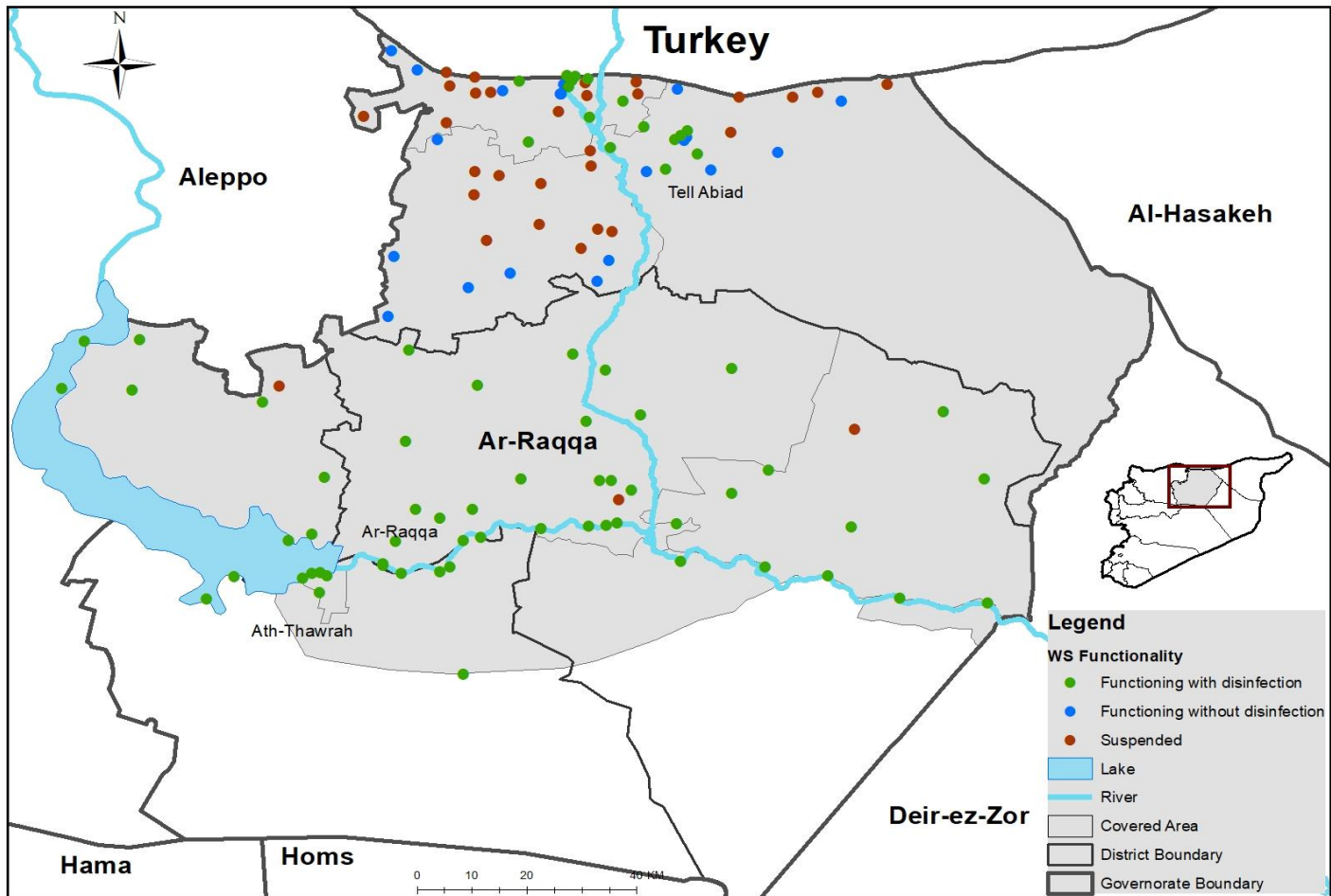
## Drinking Water Stations Distribution in Idleb (Camps Water Stations)



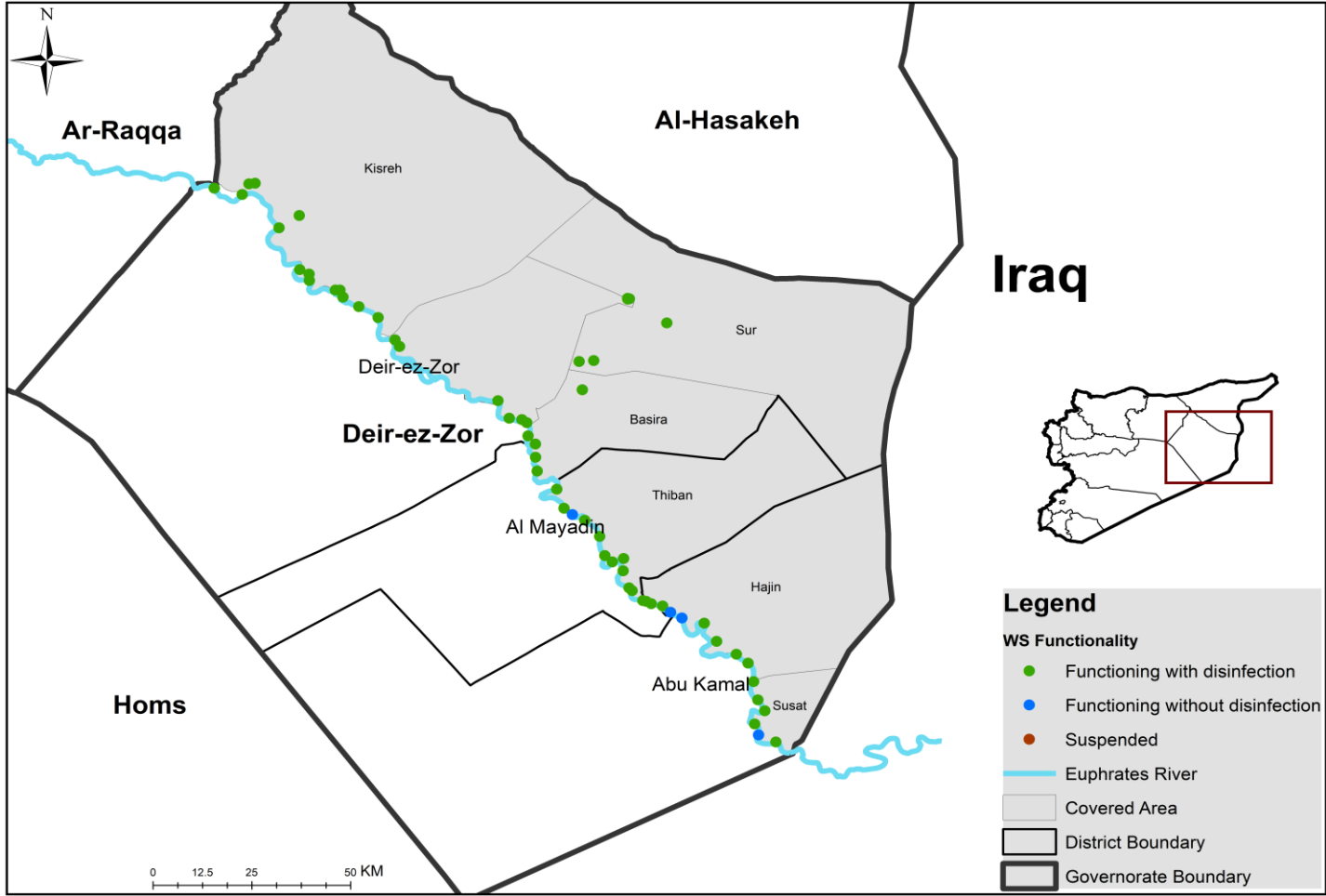
## Drinking Water Stations Distribution in Hama



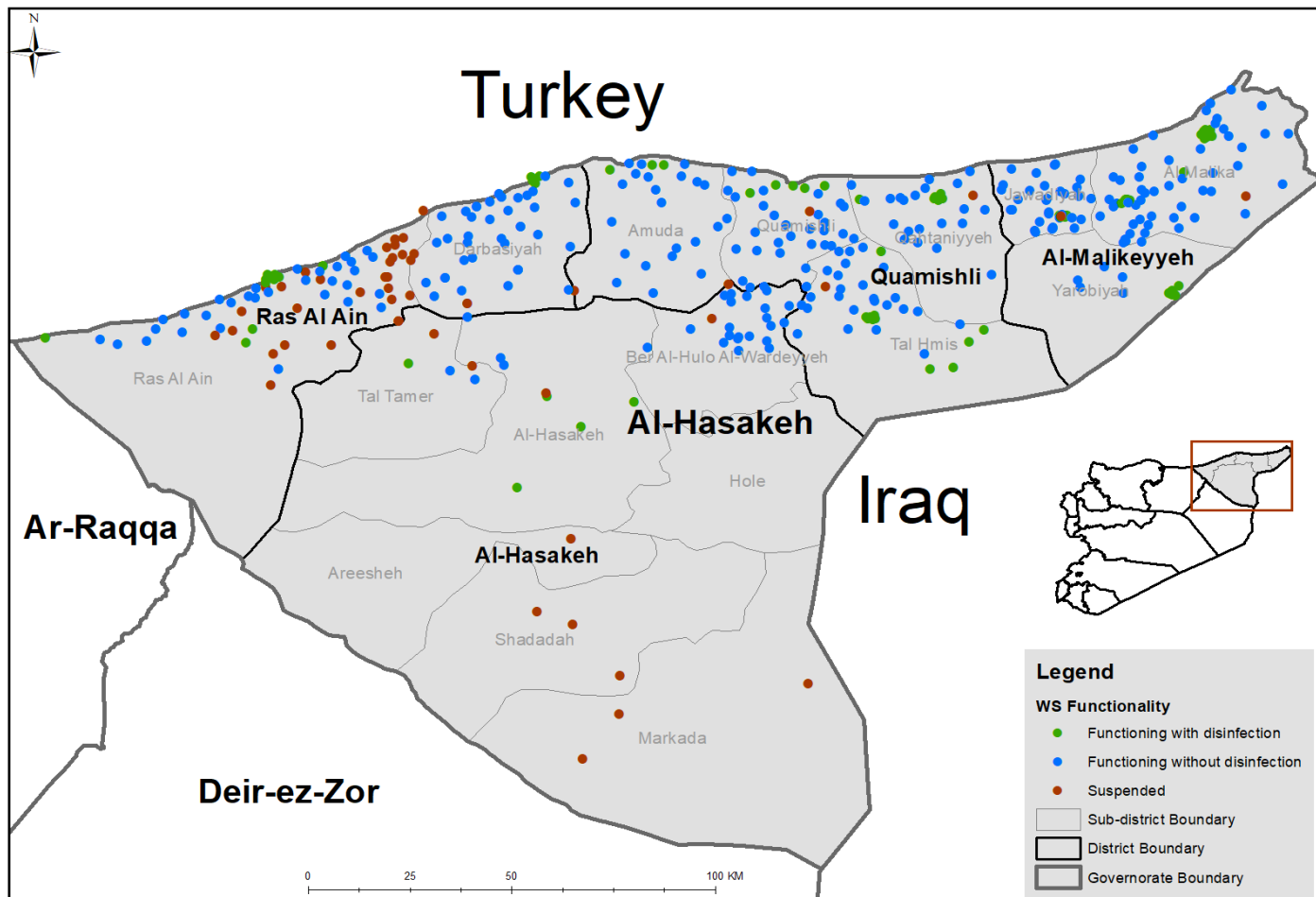
## Drinking Water Stations Distribution in Ar-raqqa



## Drinking Water Stations Distribution in Deir-ez-Zor



## Drinking Water Stations Distribution in Al-Hasakeh





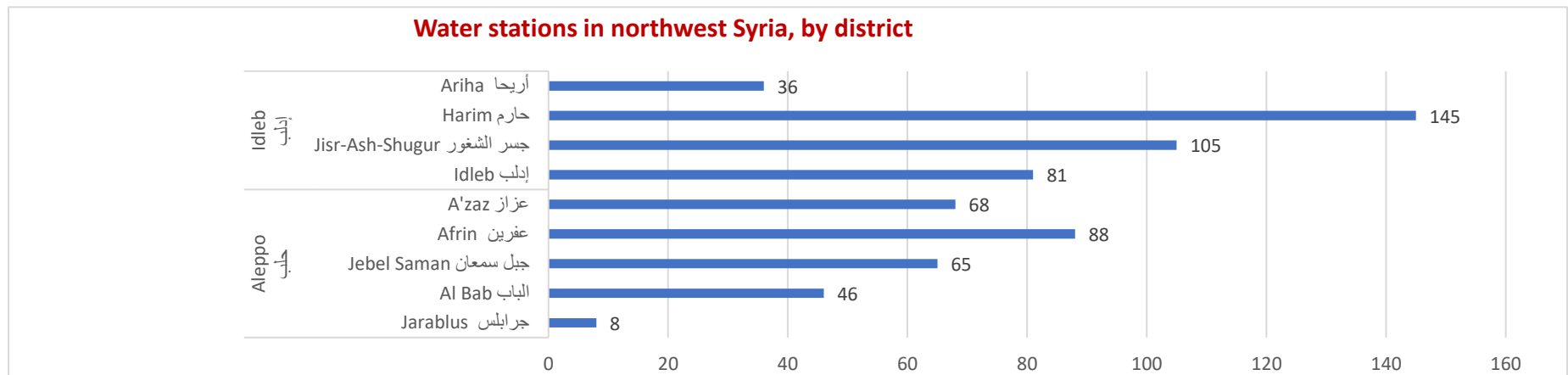
Turkey-Syria Earthquake Impact on the Water Stations in Northwest Syria (WASH\_Bulletin\_2023-W05-06 Appendix)

● Introduction and overview

In the early morning of February 6, a severe earthquake shook southern Turkey, also known as Türkiye, near the Syrian border. Much of the destruction and death from Monday's 7.8-magnitude earthquake in Turkey and northern Syria lies across the border in northern Syria, a region already ravaged by more than a decade of myriad crises. The number of casualties in North-West Syria was 4518 and the number of injured was 8389 with estimates confirming the existence of hundreds of people trapped under the rubble and statistics still ongoing. The number of destroyed buildings completely was 1796 and the number of partially destroyed buildings was 7993 The number of affected families from this earthquake is over 11,000 families who are now homeless. These figures are likely to increase as responders continue to search through the rubble of homes and buildings. At the same time, the devastation left by the quake exacerbates the ongoing humanitarian crises in northern Syria where humanitarian needs in this region, which hosts many people displaced by the 12-year humanitarian crisis in Syria, were already high before these earthquakes deepened the existing crisis. [\(Source of information is Assistance Coordination Unit \(ACU\)\).](#)

● Water stations in NWS

ACU WASH & EWARN teams field teams work on monitoring the operational status of water stations, and water quality tests. We update this information twice a month and issue a detailed WASH bulletin that provides continuous information on the operational status of the water stations located in northern Syria which includes an analysis of the operational status data of the stations. In northwest Syria, there are 642 water stations as shown in the chart below:

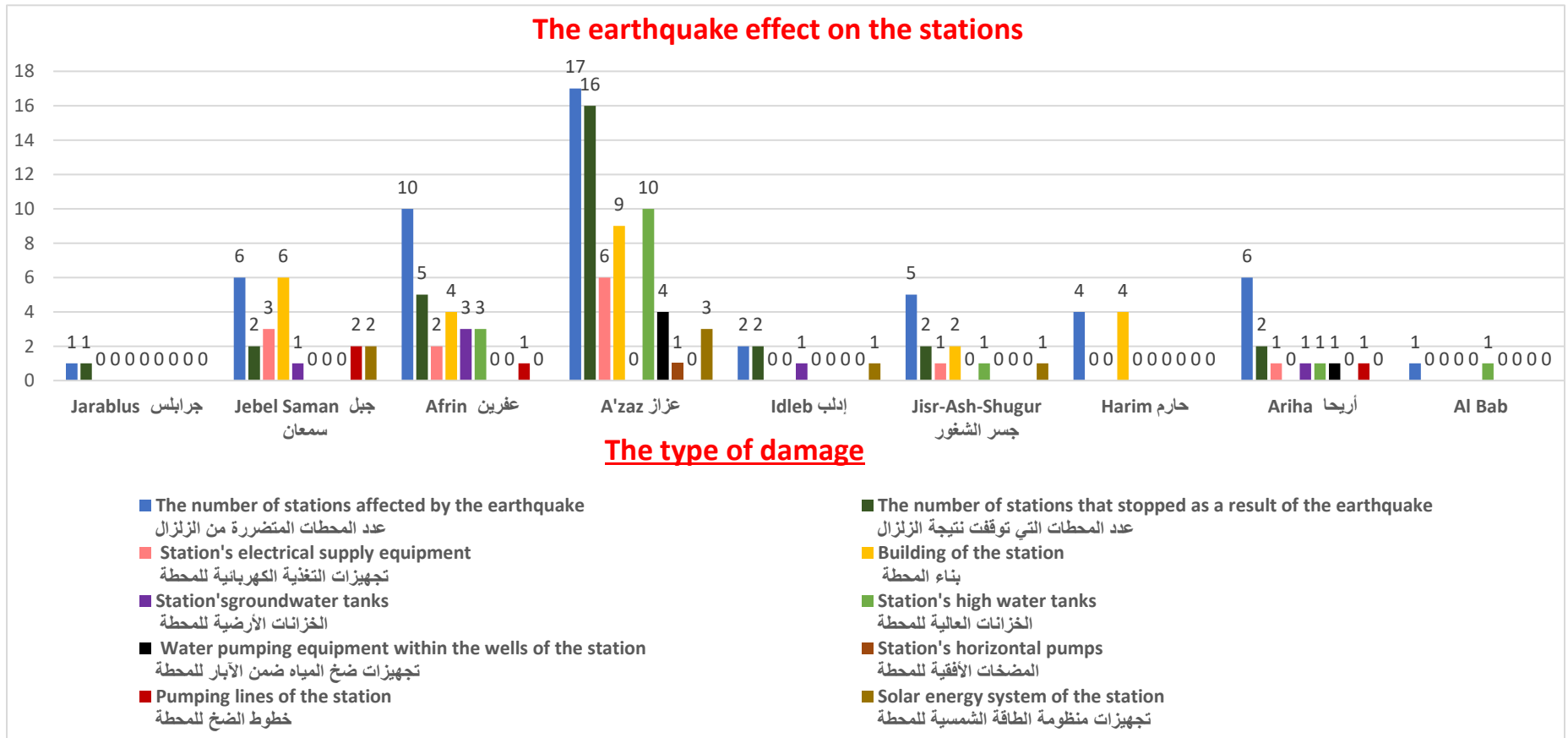


**Rapid need assessment of the water stations in NSW**

Over the past period between 10 and 15 February 2023, ACU WASH team has conducted a rapid need assessment to collect key information about the damage caused by the earthquake to the water stations in NWS considering that ACU WASH team in cooperation with World Vision International (WVI) will conduct a detailed and accurate assessment of the water stations in NWS by specialists in WASH sector and structural expert engineers to assess the technical status of water tanks and station buildings.

**Results of assessing the status of the water stations in NWS Syria after the earthquake (Rapid need assessment Results)**

The chart below shows the water stations affected by the earthquake in each district with detailed information on the type of damage and the number of affected stations based on the damage in each district:



### • Notes

1. In Jarabulus, at the Ghandorah station, the pumping water stopped due to a significant rise in turbidity on the morning of the earthquake. The turbidity was measured on February 10, 2023, and it was 6.58 NTU for the first well 16.8. NTU for the eastern well. Three days later, on February 13, 2023, the turbidity was measured again, and it was 14.2 for the first well and 17.6 for the eastern well. As for the rest of the physical and chemical standards, they are within the permissible limits.
2. In Jisr-Ash-Shugur district the following water stations stopped for a day or more due to the high turbidity then returned to their nature.

| Sub-district<br>الناحية | Station location<br>Community AR<br>اسم قرية المحطة<br>(عربي) | Station location<br>Community_EN<br>اسم قرية المحطة (انكليزي) | Station Name AR<br>اسم المحطة (عربي) | Station Name EN<br>اسم المحطة (إنكليزي) | Station Code<br>كود المحطة |
|-------------------------|---|---|--------------------------------------|---|----------------------------|
| Jisr-Ash-Shugur         | كنيسة نخلة  | Kniset Nakhleh  | كنيسة نخلة                           | Kniset Nakhleh                          | B050402001                 |
| Janudiyeh               | الحمامة_ كفر ديبين  | Hamama - Kafr Debbin  | عارة الثانية                         | Aarah Alththania                        | B050300302                 |
| Darkosh                 | الدرية  | Dorriyeh  | الدرية                               | Dorriyeh                                | B050200501                 |
| Darkosh                 | الزهراء_ خربة عامود   | Zahraa - Kherbet Amud   | الزهراء                              | Zahraa - Kherbet Amud                   | B050201701                 |
| Darkosh                 | دركوش   | Darkosh   | دركوش التكية                         | Darkosh Altakiyeh                       | B050200301                 |
| Darkosh                 | الرمادية  | Ramadiyeh   | الرمادية                             | Ramadiyeh                               | B050201101                 |
| Jisr-Ash-Shugur         | المرج الأخضر الغربي   | Western Marj Akhdar   | المرج الأخضر الغربي                  | Western Marj Akhdar                     | B050403701                 |
| Janudiyeh               | الحمامة_ كفر ديبين  | Hamama - Kafr Debbin  | عارة الاولى                          | Aarah Alauwla                           | B050300301                 |
| Jisr-Ash-Shugur         | المرج الأخضر الشرقي   | Eastern Marj Akhdar   | المرج الأخضر الشرقي                  | Marj Akhdar Alsharqi                    | B050400801                 |
| Janudiyeh               | الحمامة_ كفر ديبين  | Hamama - Kafr Debbin  | الحمامة آبار                         | Hamama Aabar                            | B050300303                 |
| Darkosh                 | العدنانية_ فرجين  | Andnaniyeh - Farjein  | العدنانية_ فرجين                     | Andnaniyeh - Farjein                    | B050200201                 |
| Badama                  | بداما   | Badama  | بداما                                | Badama                                  | B050100201                 |

3. In Jisr-Ash-Shugur district, the water network was damaged in Maland village due to the earthquake, and Al-Jami neighborhood was destroyed, therefore the water pipeline which was supply this neighborhood with water was blocked.
4. In the Ariha district at Rami station, the productivity of the well decreased significantly after the earthquake, also the water turbidity increased notably.

### End of the Appendix