



Methodology note
Data collection period for this camp: 09/04 - 08/05/2019

Percentage of tubewells that are functional:
Tubewell is considered functional when the enumerator could draw water from the tube at the moment of visit. Some areas have been visited closer to the end of the dry season, when more wells had dried. This can affect the functionality rate.
Source: Tubewell Coding

Percentage of tubewells with drainage problems:
A tubewell has drainage problems when at least one of the following is true:
- No drainage channel exists
- Drainage channel is broken/cracked
- Drainage channel permits ponding
- Drainage channel needs cleaning (e.g. it is blocked)
Source: Tubewell Coding

Percentage tubewells that don't need any intervention at all (not considering drainage):
Tubewells are considered to not need any intervention at all if they have a platform that extends more than 1 meter on all sides, that is not cracked, with no stagnant water on it and if the tubewell is not close to the bottom. This indicator does not include whether or not the tubewell has drainage problems.
Source: Tubewell Coding

Percentage HH reporting tubewells as their primary source of drinking water:
Households were asked: "What is the primary source of drinking water for your household?"
Source: WASH Household Assessment Dry Season 2019 (data collected from 23 April - 26 May 2019)

Contamination risk index:
The contamination score was calculated as follows, based on the results of a SPHERE-standard recommended sanitary survey. For each of these aspects, the tubewell gets points for every answer that has a negative effect on contamination:
- if there is a latrine within 10m of the tubewell (1 point)
- if this latrine is located uphill (1 point)
- if there are other sources of pollution within 10m of the tubewell (1 point)
- if the tubewell has no platform (3 points)
- if the tubewell has a platform but it's cracked (1 point)
- if the tubewell has a platform but it has drainage problems (1 point)
- if the tubewell has a platform but the concrete extends less than 1m from the tubewell (1 point)
- if the tubewell has a platform but there is water on the platform (1 point)
- if there is stagnant water within 2m of the tubewell (1 point)
- if the handpump is loose at the bottom (1 point)
- if there is no fencing around the tubewell (1 point)
The scores of all questions in the sanitary survey are added up together and this is classified in the following categories:
0-2 = low, 3-5 = intermediate, 6-8 = high, > 8 = very high.
Source: Tubewell Coding

Data Sources:
Tubewells - REACH
Camp Infrastructure - ISOS
Shelter Footprints - REACH / UNOSAT - 07/05/2019
Drone Imagery: KOM NPM - 10/01/2019

Coordinate System / Projection: WGS 84
File: Camp 9
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Note: Data, designations and boundaries contained on this map are not warranted to be error-free and do not imply acceptance by the REACH partners, associated donors mentioned on this map.

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