Introduction

The dynamic and multi-faceted nature of the South Sudanese displacement crisis has created significant challenges for the delivery of humanitarian aid. Accessibility issues within South Sudan have impeded a systematic understanding of WASH needs in many areas of the country. This has created difficulties in establishing a clear and unambiguous system for prioritising the delivery of aid, thereby limiting the effectiveness of humanitarian planning and limiting the potential impact of donor funding. In order to fill this information gap, REACH in partnership with International Aids Service (IAS) conducted a WASH infrastructure mapping exercise in Ezo. Data collection took place on March 19th, 2021 and succeeded in mapping 616 latrines and 87 waterpoints. Key findings are presented below in charts (pies & bars) and maps with figures in percentages (%) and numbers assessed enclosed in parenthesis next to each percentage value.

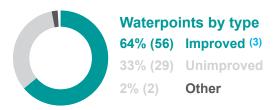
Methodology

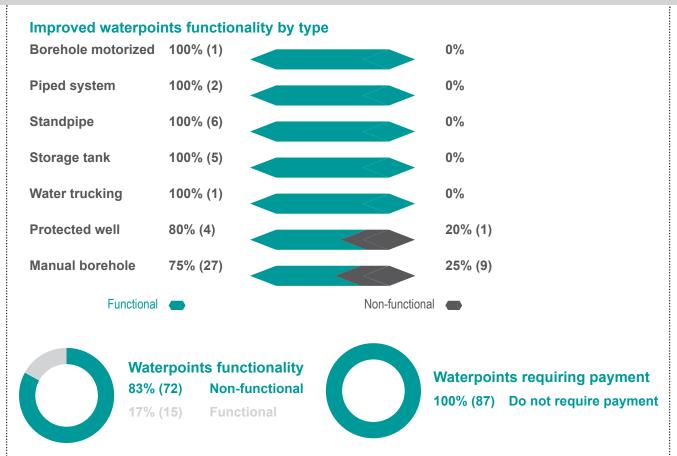
Using a GIS software, a polygon covering the municipal area was created and subdivided into grids squares of 250 meters of side length. Each of the resulting 321 square grids was assigned to a team of 14 enumerators to map and assess existing WASH infrastructure. GPS points were recorded also for grids where no WASH infrastructure data collected was identified. Enumerators were trained to use mobile applications (MapsMe and Kobo) that allowed them to georeference data collected, as well as to independently test water quality through hydrogen sulfide (H2S) tests. For grids that could not be physically assessed through direct observation (due to lack of access), participatory mapping was conducted. As a result, 100% coverage was achieved (321/321 grids). Further details on the methodology and data collection tools can be found in the Terms of Reference.

Waterpoints

Waterpoints by type

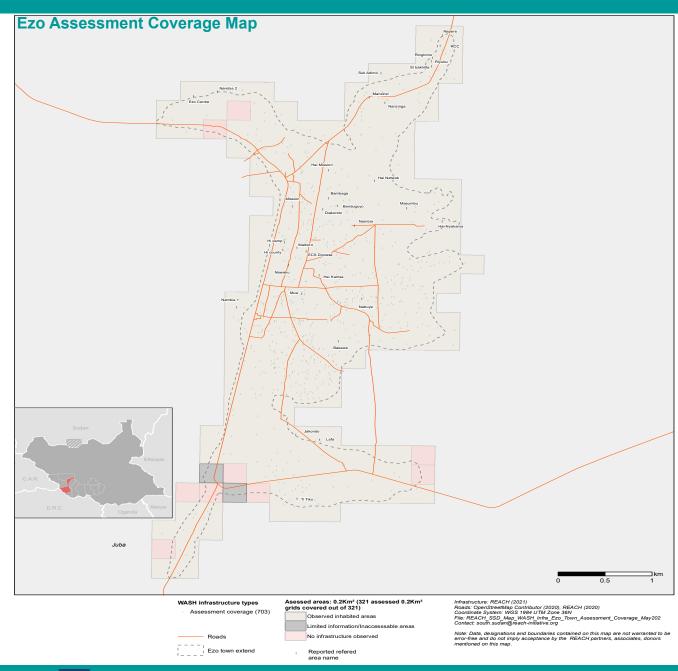
Manual borehole	41% (36)
Unprotected well	33% (29)
Standpipe	7% (6)
Protected well	6% (5)
Storage tank	6% (5)
Piped system	2% (2)
Other	2% (2)
Borehole motorized	1% (1)
Water trucking	1% (1)



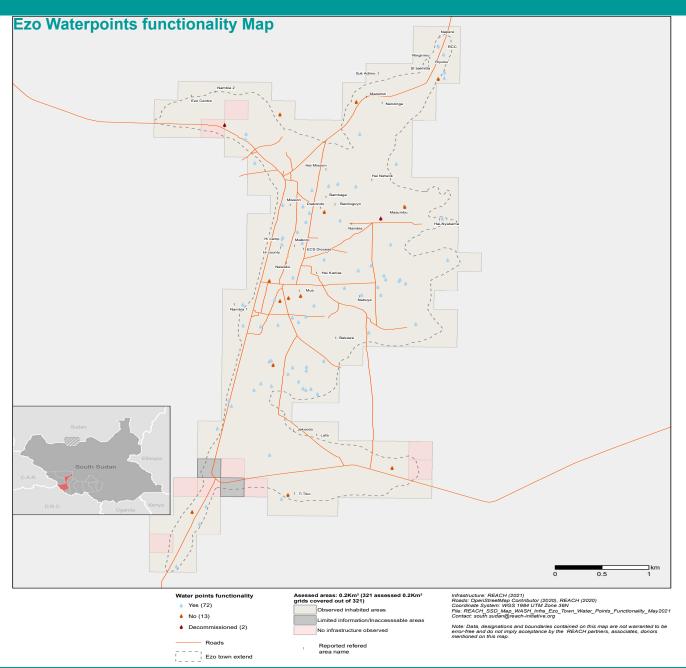






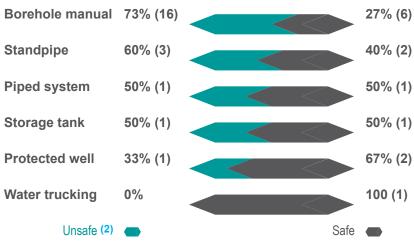














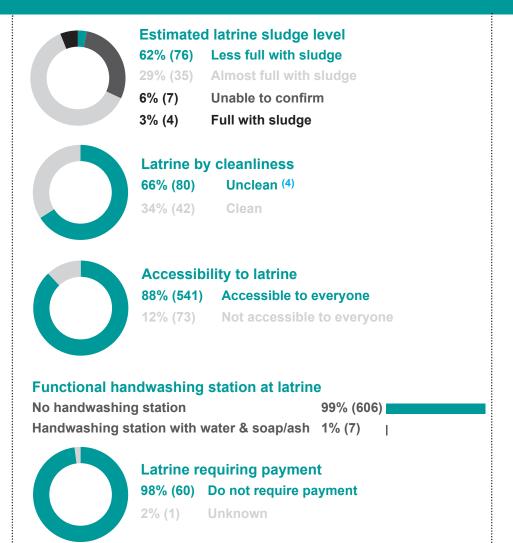
Latrine by type

Family latrine (6) 90% (555)

Community/institutional latrine (5) 8% (48)

Shared latrine (7) 2% (13)





footnotes

- 1. () numbers in parenthesis indicate number of facilities assessed
- 2. A water point is unsafe to drink when it is contaminated by faecal matter (e.g. H2S test result turn black) and a water point is safe to drink when it is free from faecal contamination (e.g. H2S test result do not turn black) (WHO,2017)
- 3. Improved water source is the water source is the water source that, by its nature of its design and construction is likely to be contaminated by faecal matter (e.g. unprotected well, unprotected well, unprotected springs, unequipped borehole etc) (JMP,2020)
- 4. A latrine was considered unclean when faeces were found on it(JMP,2020)
- 5. A communal/institutional latrine refers to latrines found in public areas such as NGOs compounds, schools, churches/mosques etc. (JMP,2020)
- 6. A family latrines refer to latrines used by a particular household with full latrine ownership, construction and maintenance (JMP,2020)
- 7. Shared latrines refer to those used by a number of households, who are all responsible for care and maintenance (JMP,2020)





