

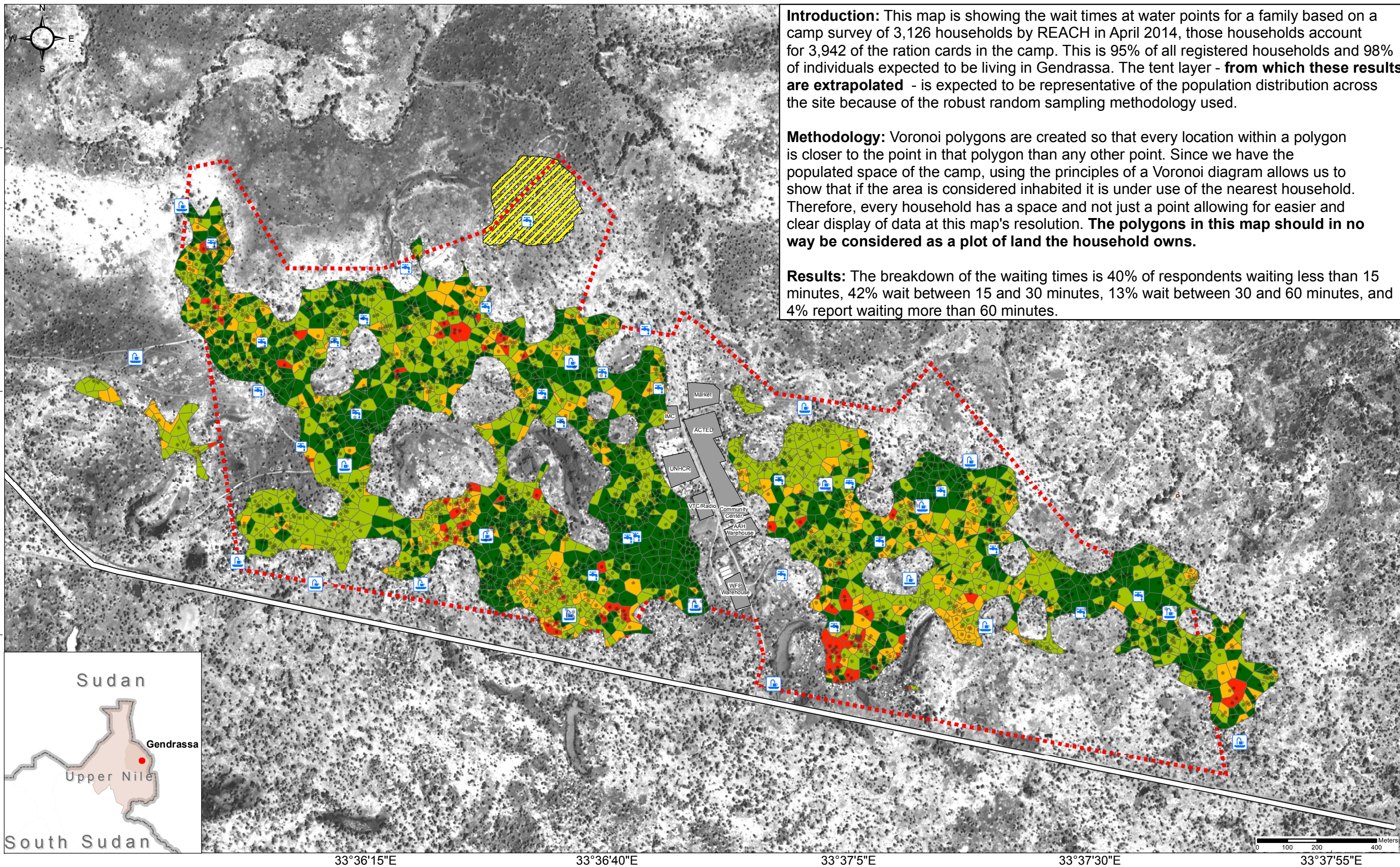


UNHCR
The UN Refugee Agency

Gendrassa Camp, Maban County, South Sudan

Time Spent Waiting at Water Points

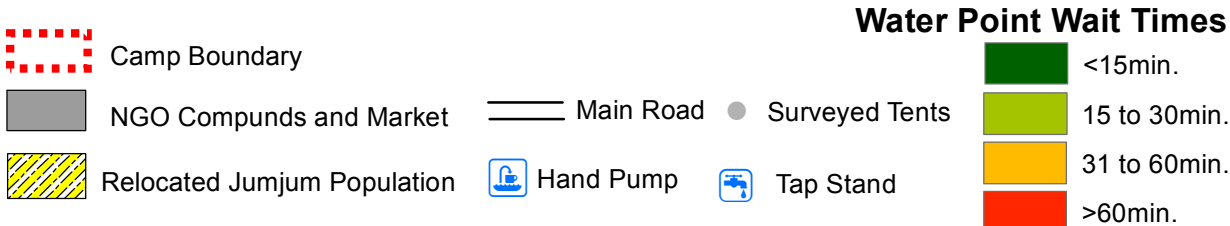
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Introduction: This map is showing the wait times at water points for a family based on a camp survey of 3,126 households by REACH in April 2014, those households account for 3,942 of the ration cards in the camp. This is 95% of all registered households and 98% of individuals expected to be living in Gendrassa. The tent layer - **from which these results are extrapolated** - is expected to be representative of the population distribution across the site because of the robust random sampling methodology used.

Methodology: Voronoi polygons are created so that every location within a polygon is closer to the point in that polygon than any other point. Since we have the populated space of the camp, using the principles of a Voronoi diagram allows us to show that if the area is considered inhabited it is under use of the nearest household. Therefore, every household has a space and not just a point allowing for easier and clear display of data at this map's resolution. **The polygons in this map should in no way be considered as a plot of land the household owns.**

Results: The breakdown of the waiting times is 40% of respondents waiting less than 15 minutes, 42% wait between 15 and 30 minutes, 13% wait between 30 and 60 minutes, and 4% report waiting more than 60 minutes.



Data Sources: Vector Data - REACH (Surveyed Tents, Household Data, Camp Assets)
Satellite Image: Digitalglobe Worldview-2 (December 2013)
Coordinate System: GCS WGS 1984
Contact: reach.mapping@impact-initiatives.org
File: SSD_WAT_WaitTimes_Gendrassa_2June2014

Note: Data, designations and boundaries contained on this map are not warranted to be error-free and do not imply acceptance by REACH or the partners mentioned on this map.

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