



Introduction: This map is showing the amount of times a family collects water a day 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 responses are 1.1% of respondents collect water once (1) a day, 13% collect water twice (2) a day, 40% collect water three (3) time per day, and 46% collect water more than three (>3) times per day.

Camp Boundary
 NGO Compounds and Market
 Main Road
 Surveyed Tents
 Relocated Jumjum Population
 Hand Pump
 Tap Stand

Number of Water Collections per Day

1

2

3

>3

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_Collect_times_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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