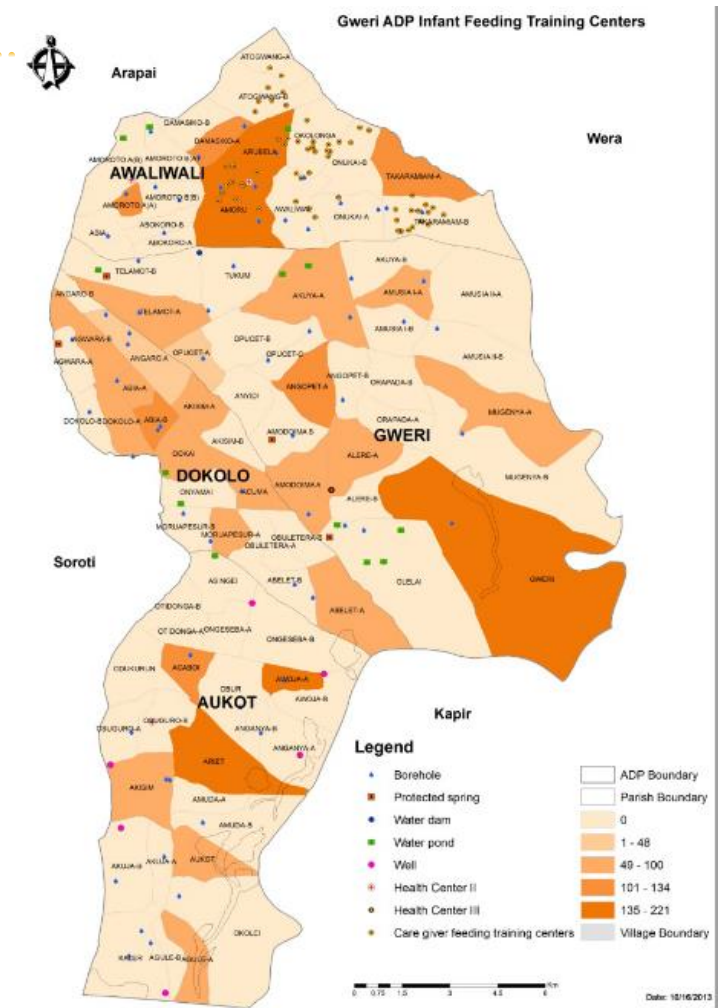


Project Overview

Geographic Information System (GIS) technology is increasingly important to many World Vision activities for supporting child well-being and other international humanitarian aid programs. Increasingly, spatial analysis is needed to develop a comprehensive awareness of community resilience, ongoing vulnerabilities, and measurements of the effectiveness of community level interventions. The collection of spatial performance metrics helps provide evidence to inform decision making, reduce redundancy, and ensure that the right community interventions are provided where they are truly needed. GIS provides World Vision with a toolbox to collect mobile data, visualize data, manage data, analyze data, and communicate data to decision makers and donors.

GIS is being used by World Vision in 27 countries and more than 50 projects. GIS is actively being used or planned for use in the East Africa, Southern Africa, West Africa, Latin America/Caribbean, East Asia, South Asia Pacific, Middle East and Eastern Europe regions. Of WV's active GIS projects covering a wide variety of departments, 32 percent were Water, Sanitation, and Hygiene (WASH) projects.

In one of the countries where GIS is used for measuring child well-being, data collection using Open Data Kit enabled mobile phones is allowing the office to regularly measure the status and progress of these core indicators. Data collected are then mapped using GIS for further analysis and prioritization of program interventions. Additional data on health infrastructure and health facility services are helping World Vision better target the most vulnerable women and children.



The impact of using GIS has been seen in monitoring sponsorship activities through improved workflows and business processes for data collection, data analysis, and reporting. Many World Vision offices that are actively involved in GIS have plans to scale up its use. Countries that are not currently using GIS would like to receive more information on the benefits of GIS and hear about other countries' experiences using it.

Challenges in using GIS, as noted in the East Africa Region, have been associated with validity and accuracy of GPS coordinates, the child protection policy prohibiting the exposure of data concerning registered children, lack of unified enterprise architecture for data schemas, data models and geo-databases.

Funding

Phase I: WV Canada, other project grant sources, and national office revenues

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