

TANZANIA WATER WELL PROJECT

SMA Water Solutions



MEET THE TEAM:



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BOTTOM LINE:

Keep it simple, keep it clean

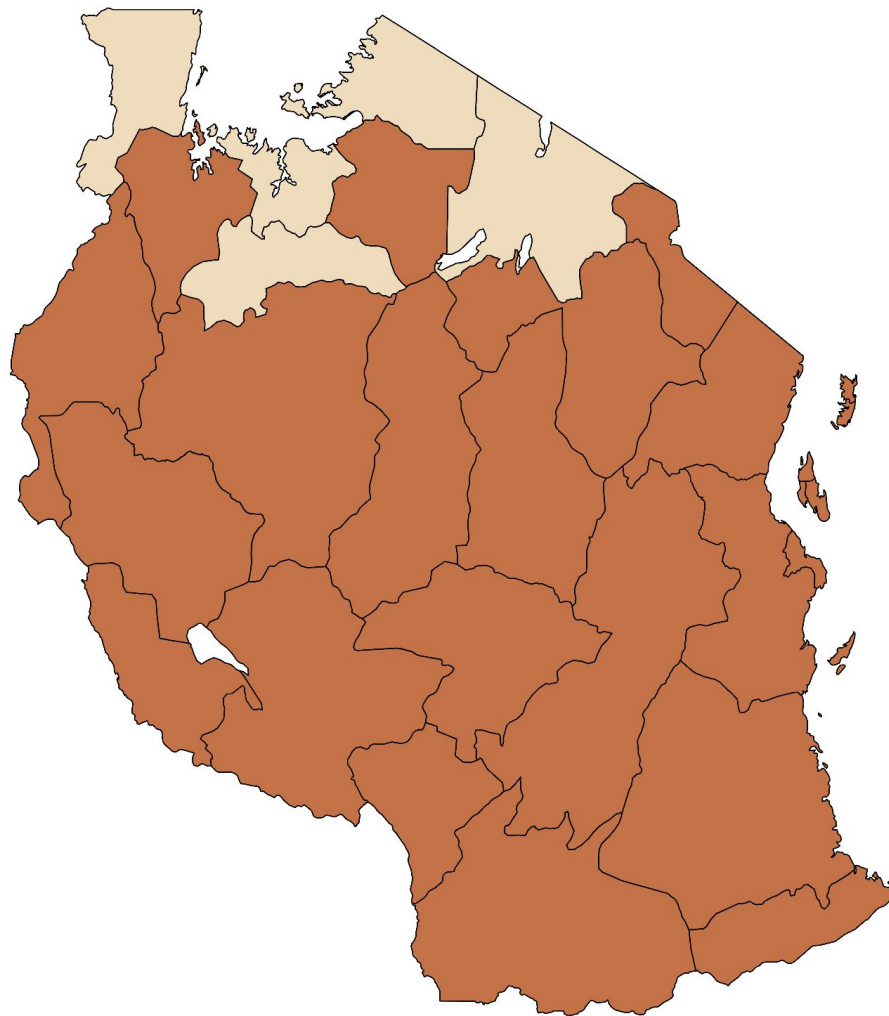
Simpler systems are more likely to be functional



In Tanzania:

41% of households don't have access to clean water

Approx. 1 million people die each year



TANZANIA

Lake Victoria Basin

 Lake Victoria Basin Regions



Data Overview:



THE DATA:



Data Sources:

Tanzania Ministry of Water,
Taarifa database

Limitations:

Data set was collected 2011-2013
Construction year was missing for most
Functioning but needs repair was grouped with
non functioning



Analysis:



Hand pumps are more reliable

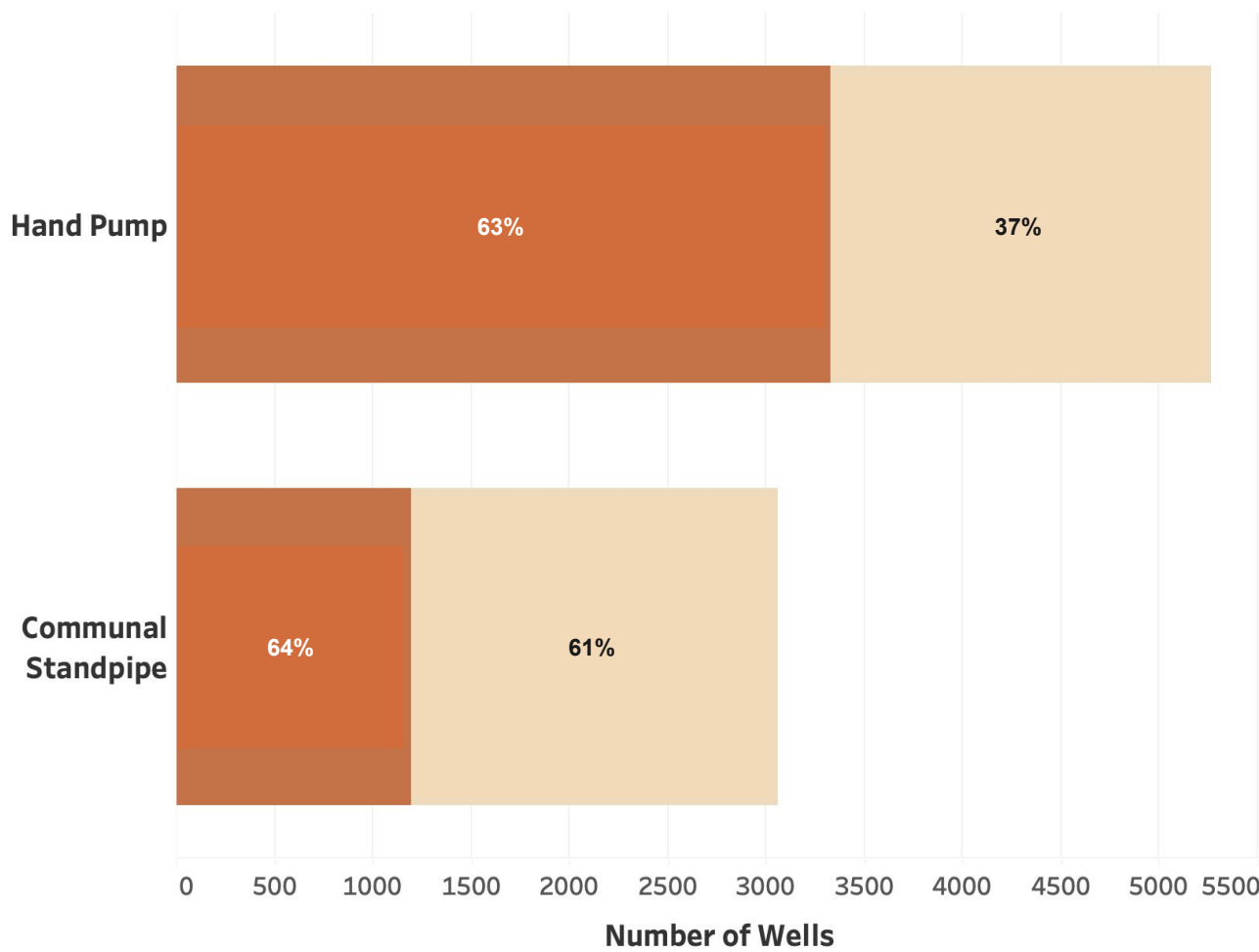


Hand Pump



Communal Standpipe

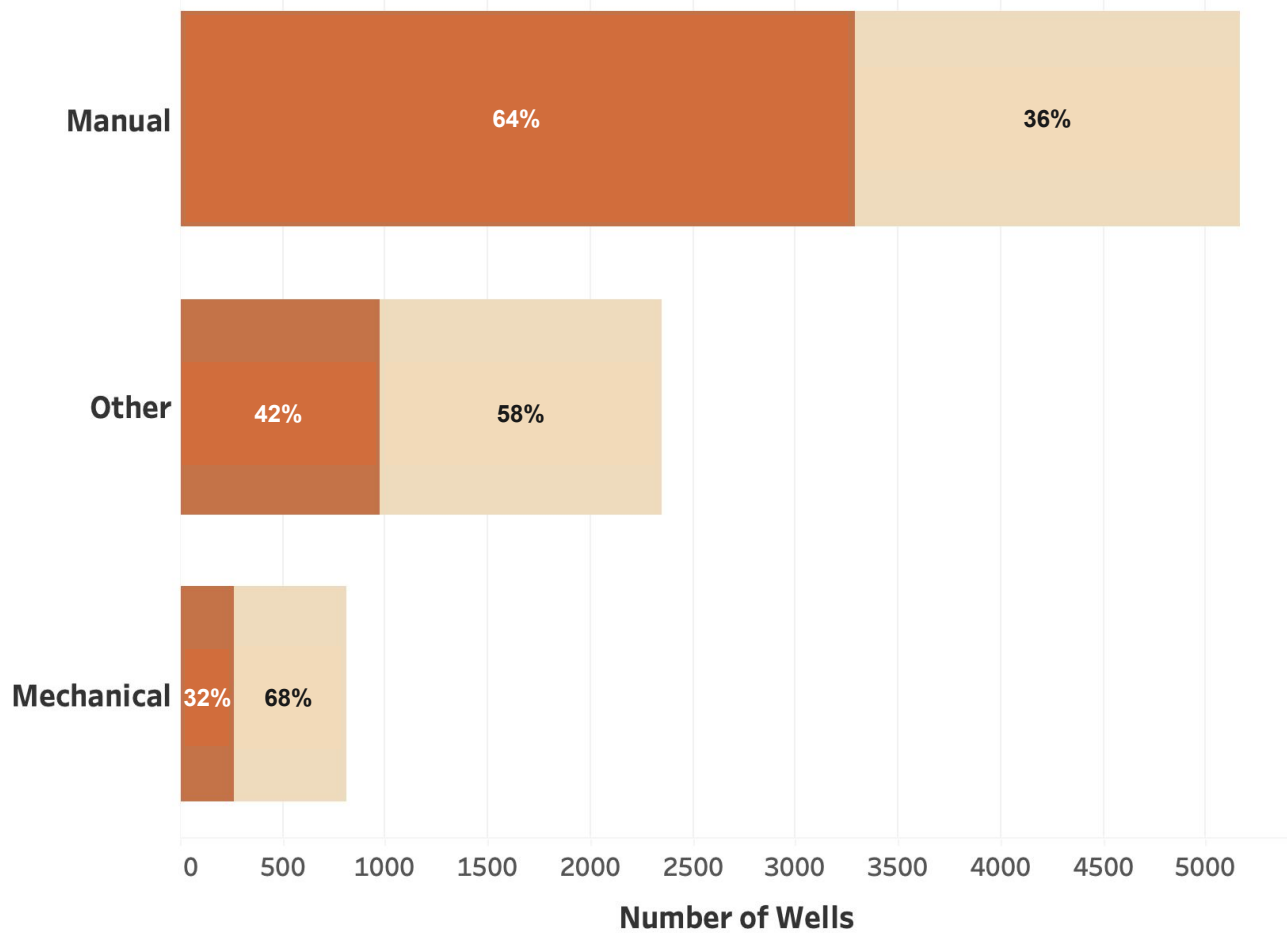
Well Type by Function Status



There's a 58% probability a hand pump well will be functioning

Non Functioning
Functioning

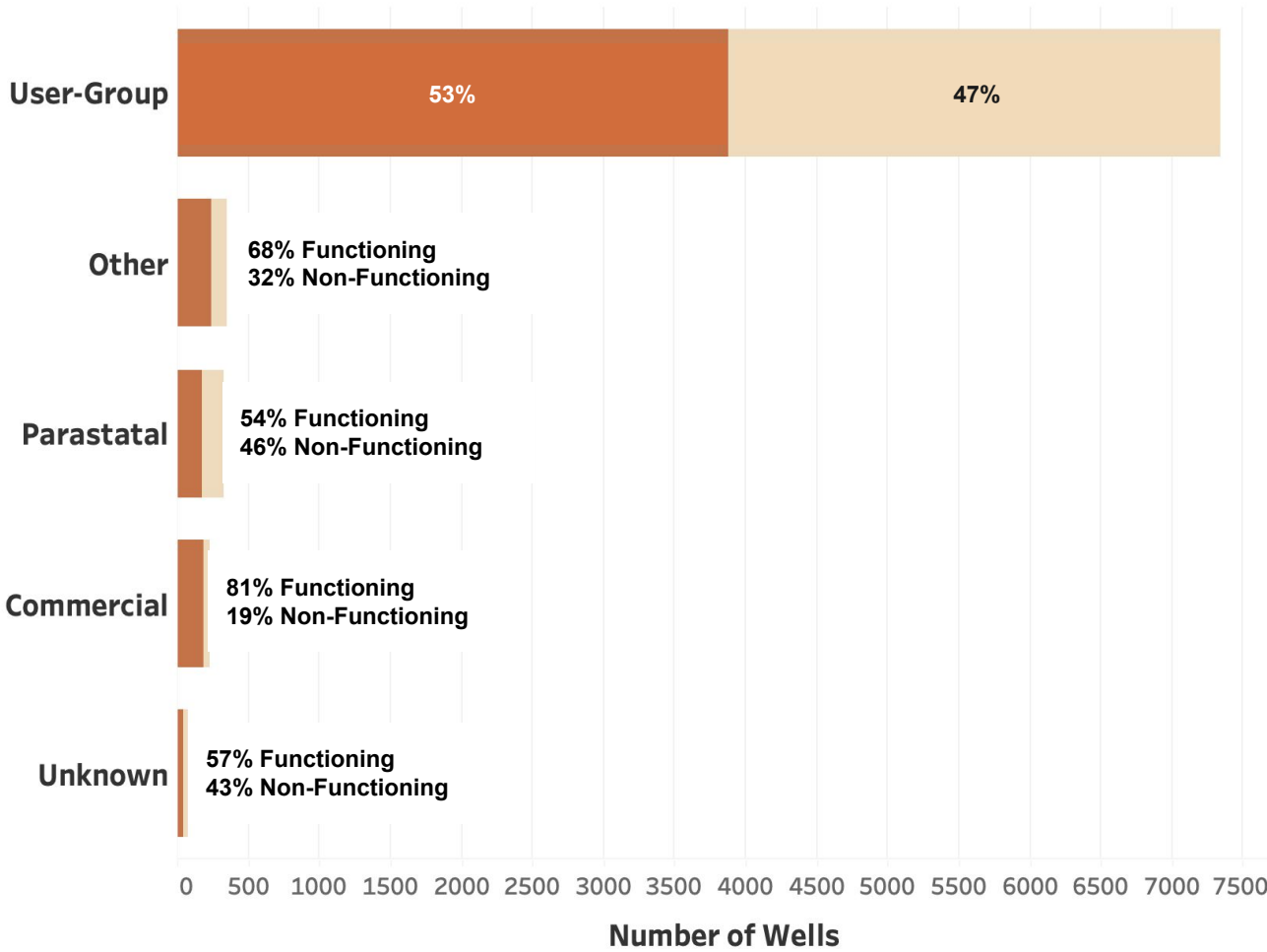
Well Energy Source by Function Status



Wells that extract water manually are 62% more likely to be functioning

Non Functioning
Functioning

Well Management Group by Well Status



Wells managed by commercial groups are 72% more likely to be functioning

Non Functioning
Functioning



Recommendations:





RECOMMENDATIONS:

Keep it simple, keep it clean

Hand Pump over Standpipe

Manual over Mechanical

Commercial management



Next Steps:





NEXT STEPS:

Geography considerations

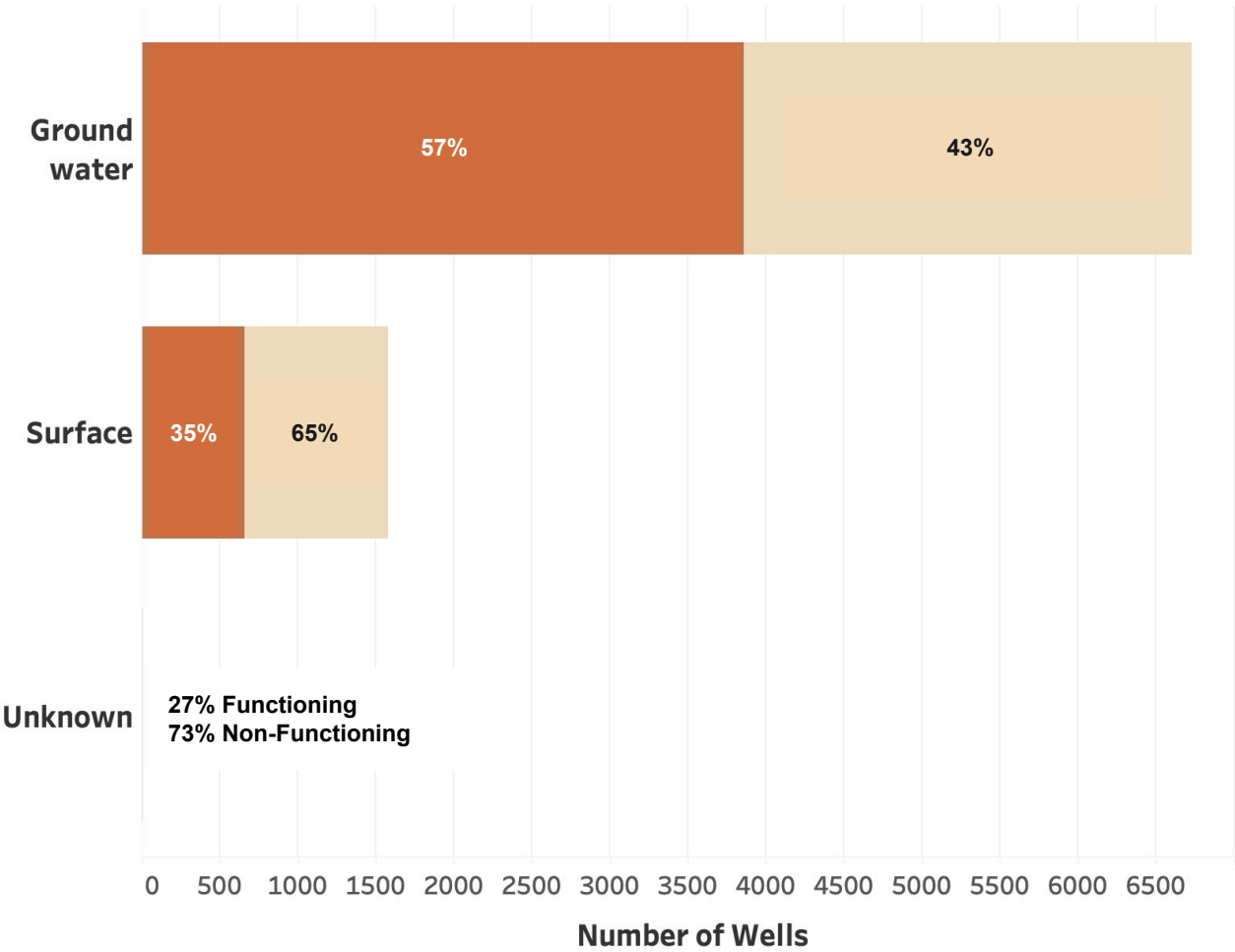
Advanced analysis

Domain expertise



QUESTIONS?

Source of Water by Well Status



Wells with water from the ground are 54% more likely to be functioning

Non Functioning
Functioning