

## 15. Nkhotakota Lakeshore Catchment

## Key

- Town/City
- Fault
- River
- Waterbody
- Catchment Boundary
- Malawi Border

## Geogenic Groundwater Fluoride Zones



EXCESSIVE GEOGENIC FLUORIDE - Hot Spring (100% likelihood of fluoride exceeding \*1.5 mg/l & 75% likelihood of fluoride exceeding \*\*4 mg/l)



ELEVATED GEOGENIC FLUORIDE (>60% likelihood of fluoride exceeding \*1.5 mg/l & 0% likelihood of fluoride exceeding \*\*4 mg/l)



MODERATE-LOW GEOGENIC FLUORIDE (10- 17% likelihood of fluoride exceeding \*1.5 mg/l & 0% likelihood of fluoride exceeding \*\*4 mg/l)



LOW GEOGENIC FLUORIDE (<10% likelihood of fluoride exceeding \*1.5 mg/l & 0% likelihood of fluoride exceeding \*\*4 mg/l)

\*WHO standard limit for fluoride in drinking water

\*\*Malawian proposed interim standard for fluoride in drinking water

## Summary Statistics

Geogenic Groundwater Fluoride Zones	No. of Water Points		No. of Users
	n	%	
*Excessive (Hot Springs)	7	0.3	1,162
*Elevated	8	0.3	3,660
Moderate-high	0	0	0
Moderate-low	1,721	73.4	460,746
Low	609	26	173,861
Insufficient Data	0	0	0

ALL water points are direct groundwater sources and are either functional or partly functional.  
No. of users calculation is based on the number of users per each individual water point.  
No. of users for hot springs based on average number of users per water point for district.  
\* Requires priority review and replacement water supply

0 5 10 20 30 40 Kilometers

