
NUI WATER SURVEY REPORT 2022

Tuvalu Water Scarcity Project, Tuvalu Climate Change Department



3. Results

3.1 Summary of the survey

The household covered in the survey were all private houses and government-owned houses. The population was categorized into adults who are 18 years and above and children, from 17 years to infant. The agreed usage rate per person per day is 14 liters of water according to Tuvalu Public Health's standards. According to data collected, the average number of water tanks per household is 2, and an average of 3 people per household.

Nui water survey analysis	
Population	500
Household	159
Tanks	316
Estimated capacity of 316 tanks	average of 10,000 liters
Total storage capacity	3,160,000 liters
Water available	6,320/person
With 10L/person/day	632 days

Table 3.1 The table above shows Nui's population in relation to water tanks.

3.2 Condition valuation of water tanks

Most of the households on Nui are not that in a very poor condition of their water catchment in regards to the number of households. However, the number of leaked and damaged water tanks is a bit high in relation to the total number of tanks on the island. The percentage shown below is equivalent to 68 tanks that need to be repaired and 70 households needed to repair their catchment systems.

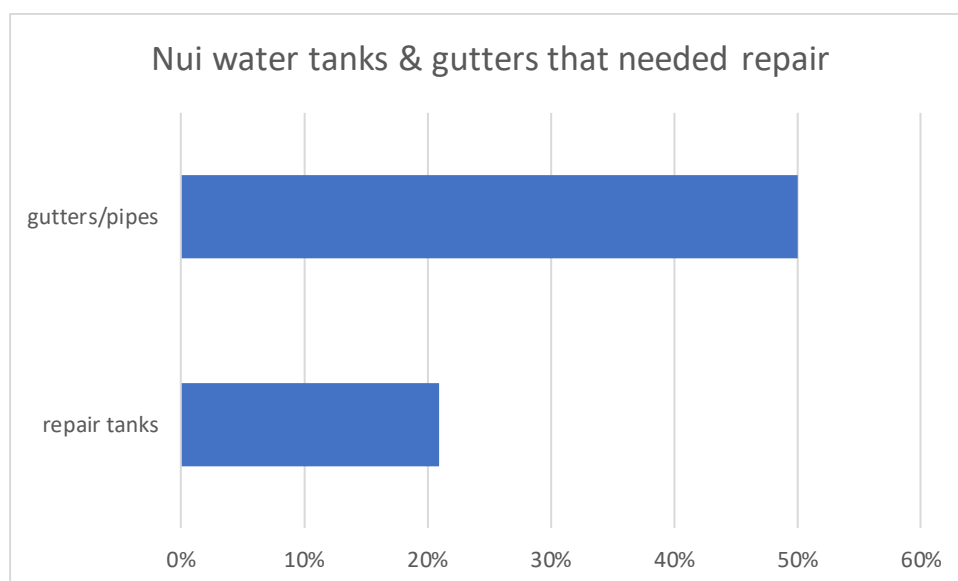


Table 3.2 Conditions of water tanks & gutters on Nui Island that need to be repaired.

4. Conclusion

Nui Island water tanks are not that debauched compared to other islands as shown in the data above. However, the root problem of water shortage in communities deeply reflects on the people's behavior towards managing water properly. As seen in this report, many households need to repair their water catchment systems and also look after their water storage tanks appropriately. This report documented the importance of maintaining safe and good water storage systems in each household. As stated in the results, many households need their gutters and pipes repaired and tanks to be patched. These are ongoing issues that caused water shortages most of the time.