

improvements such as planting trees, to protect the water supply, will also be part of the project.

Diagram 1: Makaya Water Project

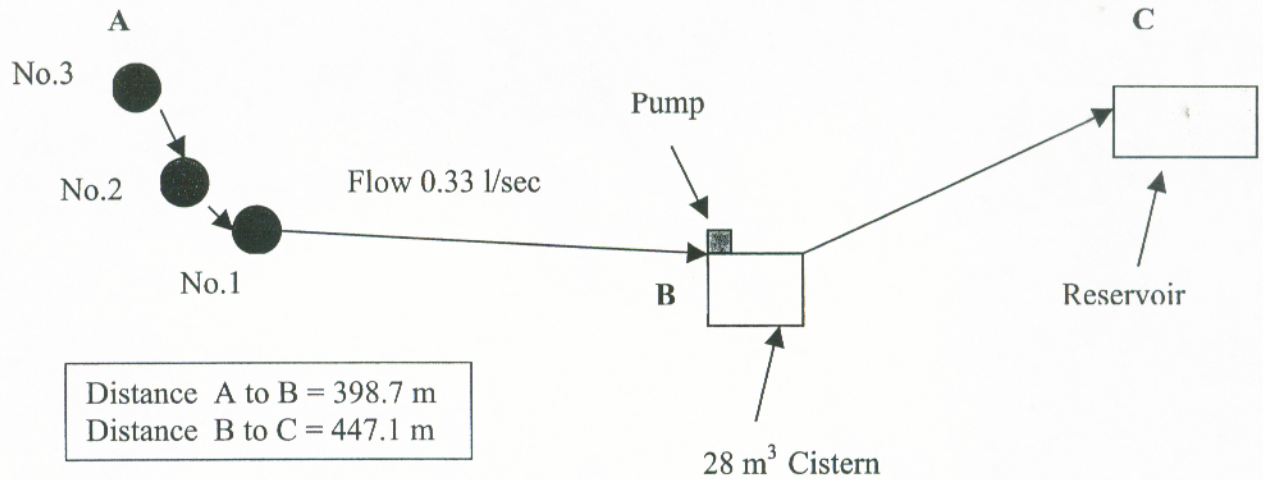


Table 1: Flow in liters / sec. and cumulative volumes over time

Spring	Rate (l/s)	Volume (liters)			
		1 hour	12 hours	16 hours	24 hours
No. 1	0.11	396	4752	6336	9504
No. 2	0.16	576	6912	9216	13824
No. 3	0.06	216	2592	3456	5184
<i>Total</i>	<i>0.33</i>	<i>1188</i>	<i>14256</i>	<i>19008</i>	<i>28512</i>

Operation of the proposed system (see Diagram 2 and Table 2)

The source currently in use, source no. 1, will be improved (by planting trees and protecting the source from contamination). Two valves will be installed (V1 and V2). During the hours between 3 am and 6 pm residents can draw water by opening V1. When residents are drawing water V2 will remain closed. During the hours between 6 pm and 3 am, V2 will be open and V1 will be closed so that water will flow into the cistern. At those times