

GP- CoCooN- Integrated Project

Time line at Al-Mujellis:

Time	Spat water	Agriculture activities			Groundwater status			Des.	Imm.
		Area	C.T	Yield	Total Depth	W.L	W.Q		
١٩٦٧	Floods comes from the heavy rainfall around the area	All agriculture lands	Palm	100%	0.5m No drilling till 1975	Near the surface till (<0.5m)	Fresh	Non	Non
١٩79	Same as above	All agriculture lands	Palm	100%	As above	0.5m	Fresh	Non	Few (10 P)
1985	Same as above	The start of agriculture lands shrinking	Palm	100%	6- 8m	5m	Fresh	Start to cover Palms	
1990	Same as above	As above	Palm	25%	12m	7- 8m	Fresh	As above	30%
2000	Rainfall shortage	Continuous decreased in agriculture lands	Palm	25%	16- 17m	5- 9m	Fresh	Continuous cover Palms	60%
2011	Rainfall shortage	The most decreased in agriculture lands	Palm	10%	30- 50m	12	Fresh	It remain 15% Palms	

C.T= Crop type, W.L= water level, W.Q= water quality, Des.= Desertification, Imm.= Immigration, P= Persons

- Daily calendar at Al-Mujellis:

Career	Time (hr) and daily activities				
	5:00 AM- 6:00 AM	6:00 AM- 9:00 AM	10:00AM- 12:00 AM	1:00 PM - 3:00 PM	3:00 PM- 6:00 PM
Farmer	Dawn Prayer	Farm work	Shopping	Rest	Chewing Qat
Employer or worker	Dawn Prayer	Go to the work	At work	Rest	Chewing Qat
Jobless	Don't do anything				
Fisherman	Go to the sea for fishing in the fishing seasons				

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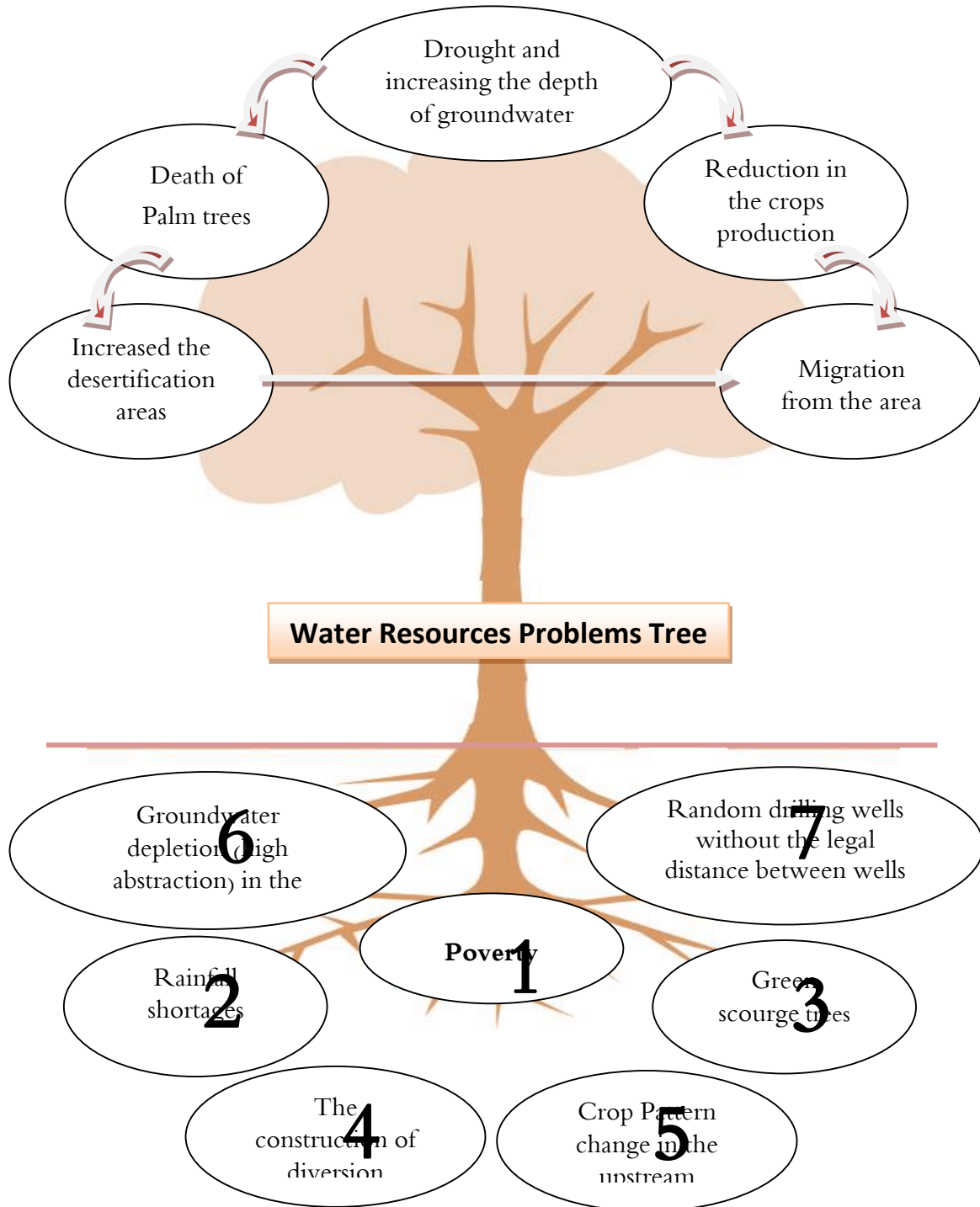


Figure 1A: Water resources problems tree with problems ranking, group 1: Al-Tefaf schools

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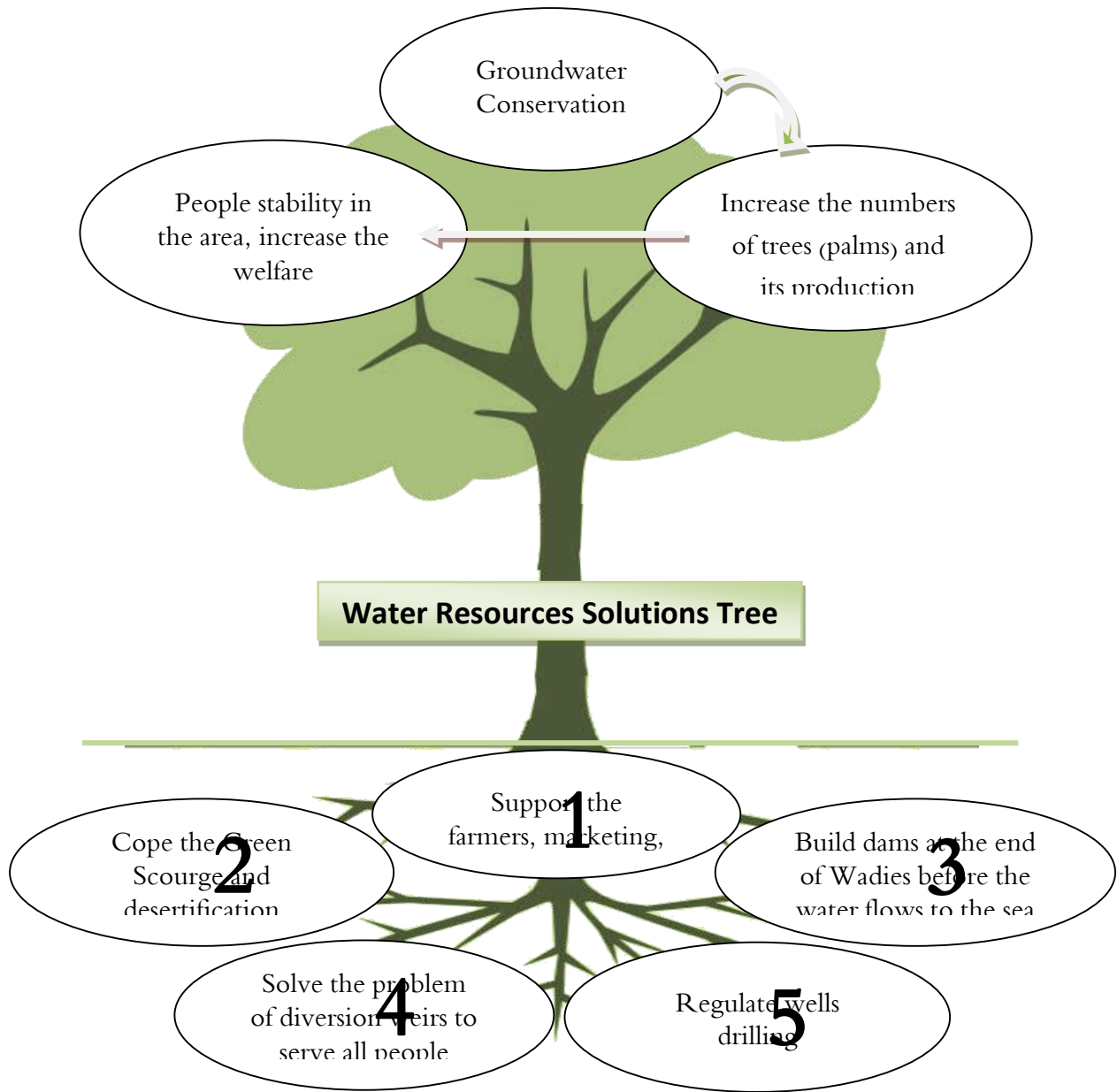


Figure 1B: Water resources solutions tree with solutions ranking, group 1: Al-Tefaf schools

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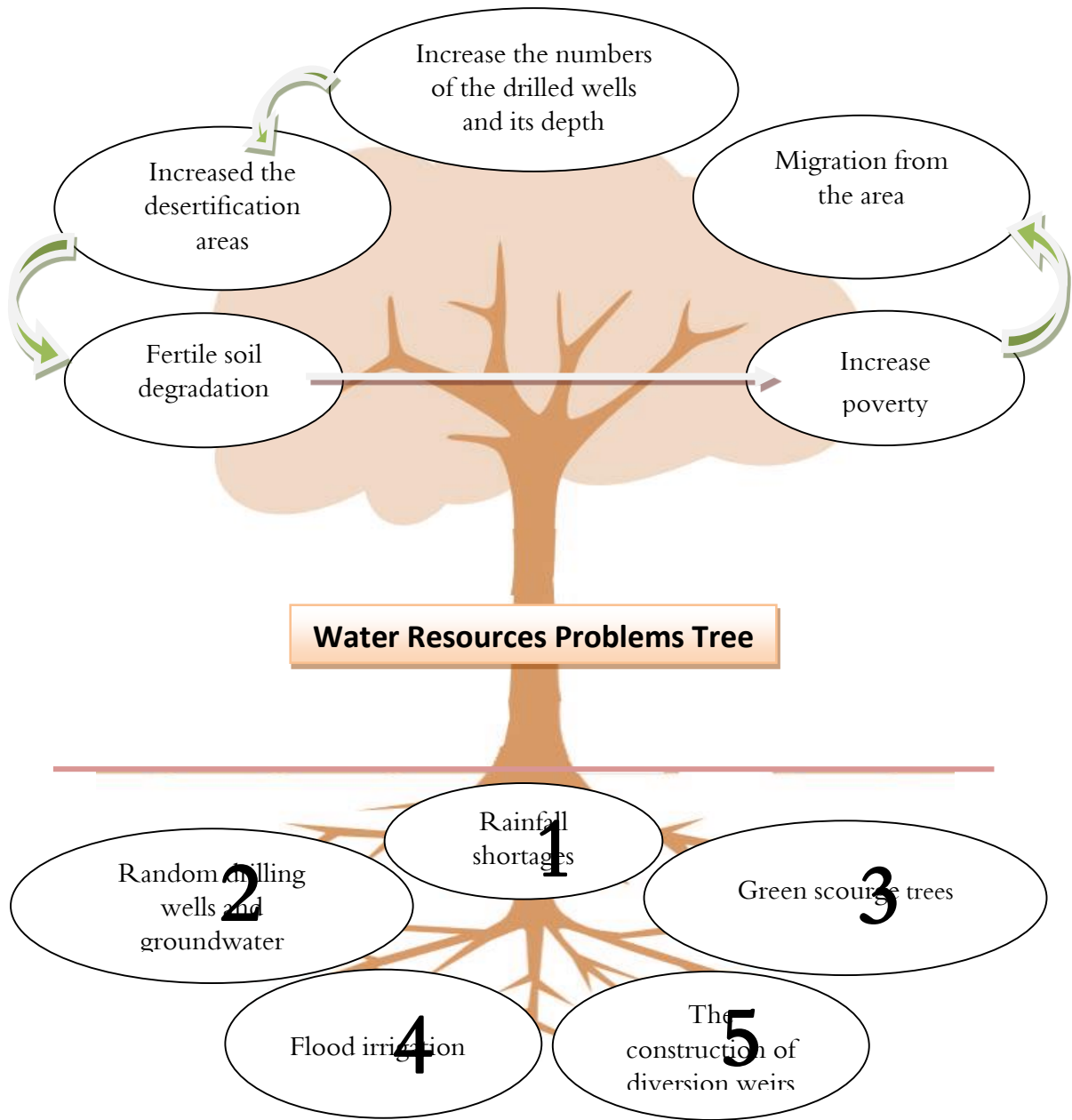


Figure 2A: Water resources problems tree with problems ranking, group 2: Al-Mujilles hamlet

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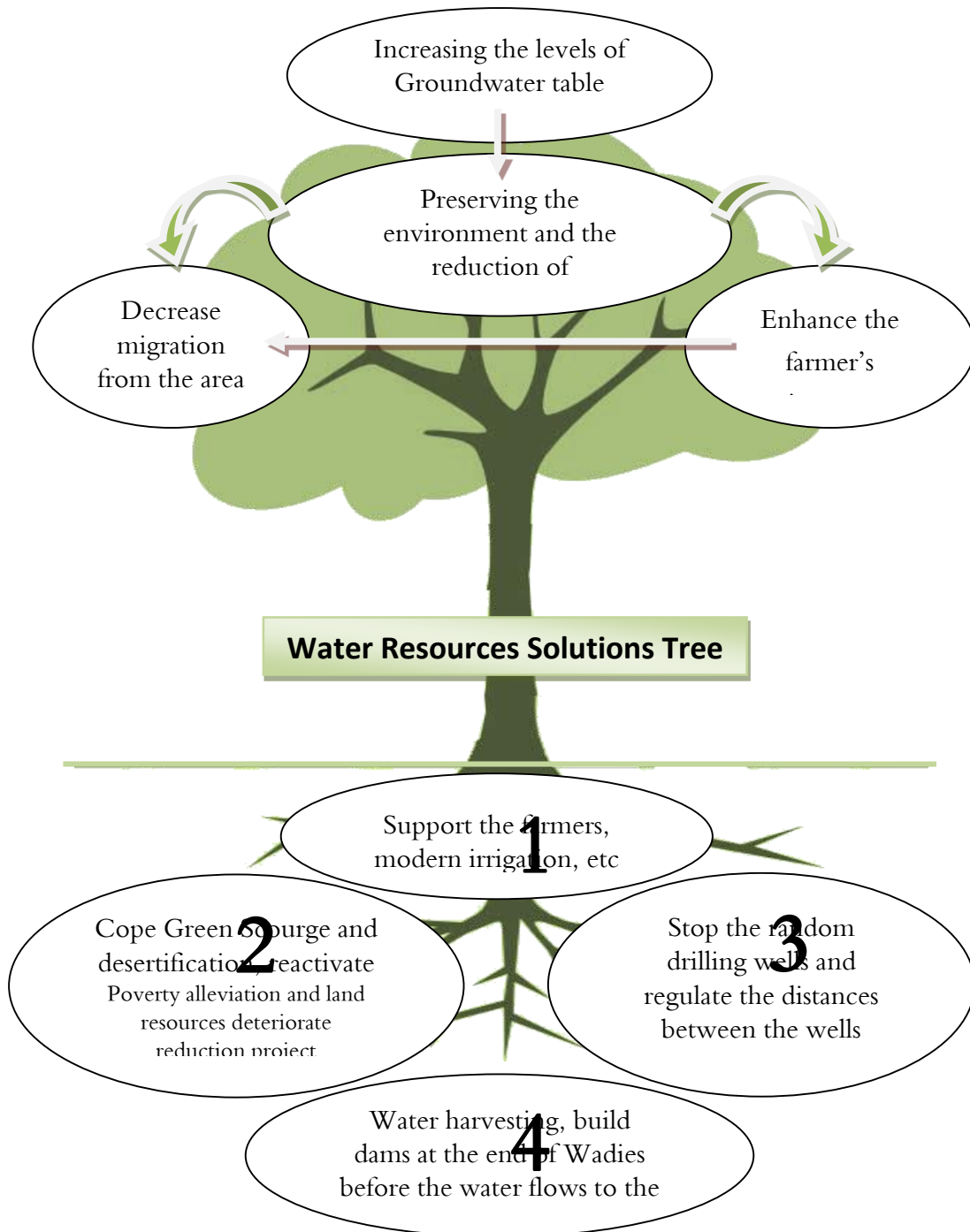
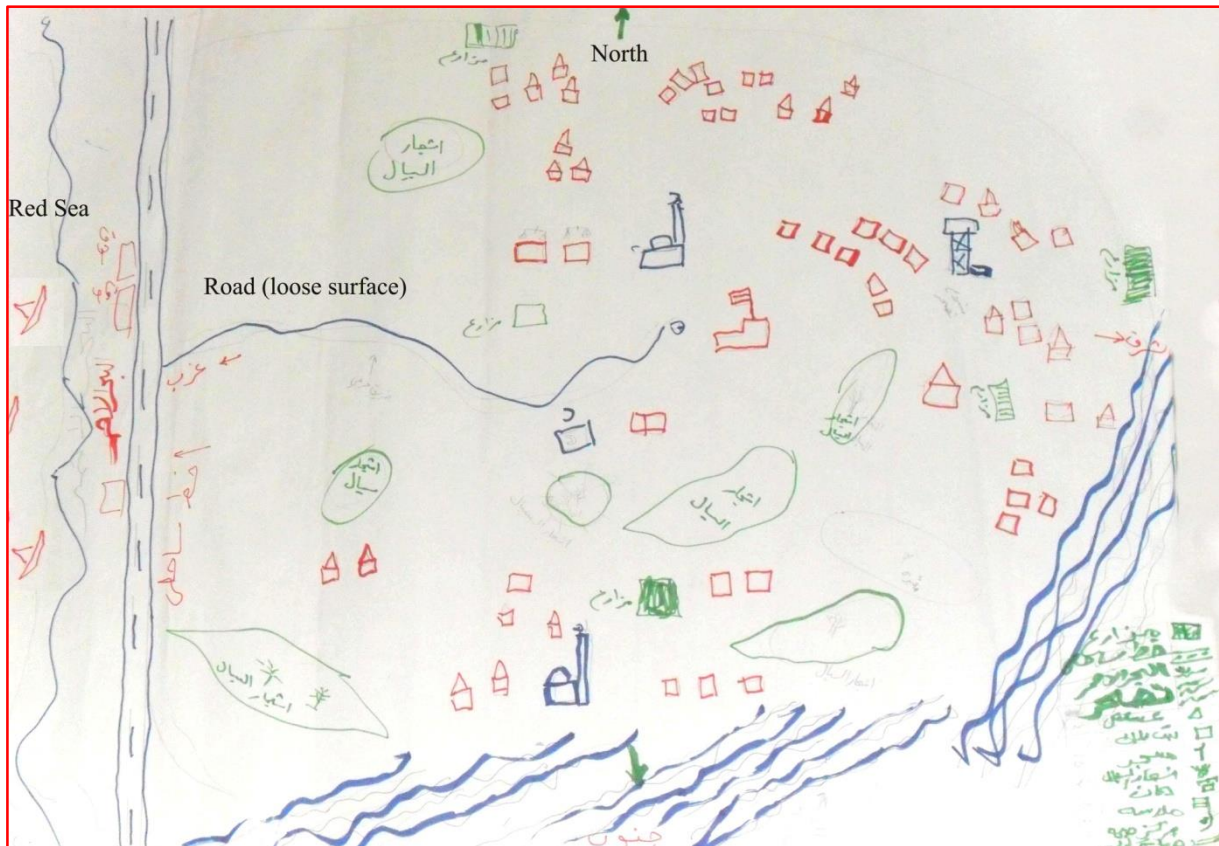


Figure 2B: Water resources solutions tree with solutions ranking, group 2: Al-Mujilles hamlet

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|---------------------|------------------------|--------|-------------------------|--------|
| Farms | Desertification | Clinic | Houses (concrete brick) | Road |
| Green scourge trees | Drinking water project | Masjed | Houses (straw) | School |