

HISTORICAL TIMELINE

Output #1a



Types of Disaster	TYPHOON (YOLANDA)	FLOOD
Date of Major Occurrence	November 08, 2013	December 27, 2011
Impact and Strength	Super Typhoon	Severe
Loss of Life/ Injured	12 people injured	2 people injured
Property	<ul style="list-style-type: none"> - 399 totally damaged houses - 49 partially damaged houses 	<ul style="list-style-type: none"> - 225 totally damaged houses
Infrastructures	Damaged School Building, KALAHI Building, Barangay Hall, Chapel, Health Center and KALAHI Dryer	Damaged Drainage, Bridge, and School Building
Agriculture	<ul style="list-style-type: none"> - 132 hectares of rice fields damaged - Approximately 200 coconut trees damaged - Damaged plants and crops on backyard gardens - 20% of the piggery and fishponds damaged 	<ul style="list-style-type: none"> - 230 hectares of rice fields damaged - 1 hectare of fishpond damaged
Environment	Damaged forestry	Damaged forestry
Estimated Amount of Damage	₱25,000,000.00	₱7,500,000.00

HISTORICAL TIMELINE

Output #1b

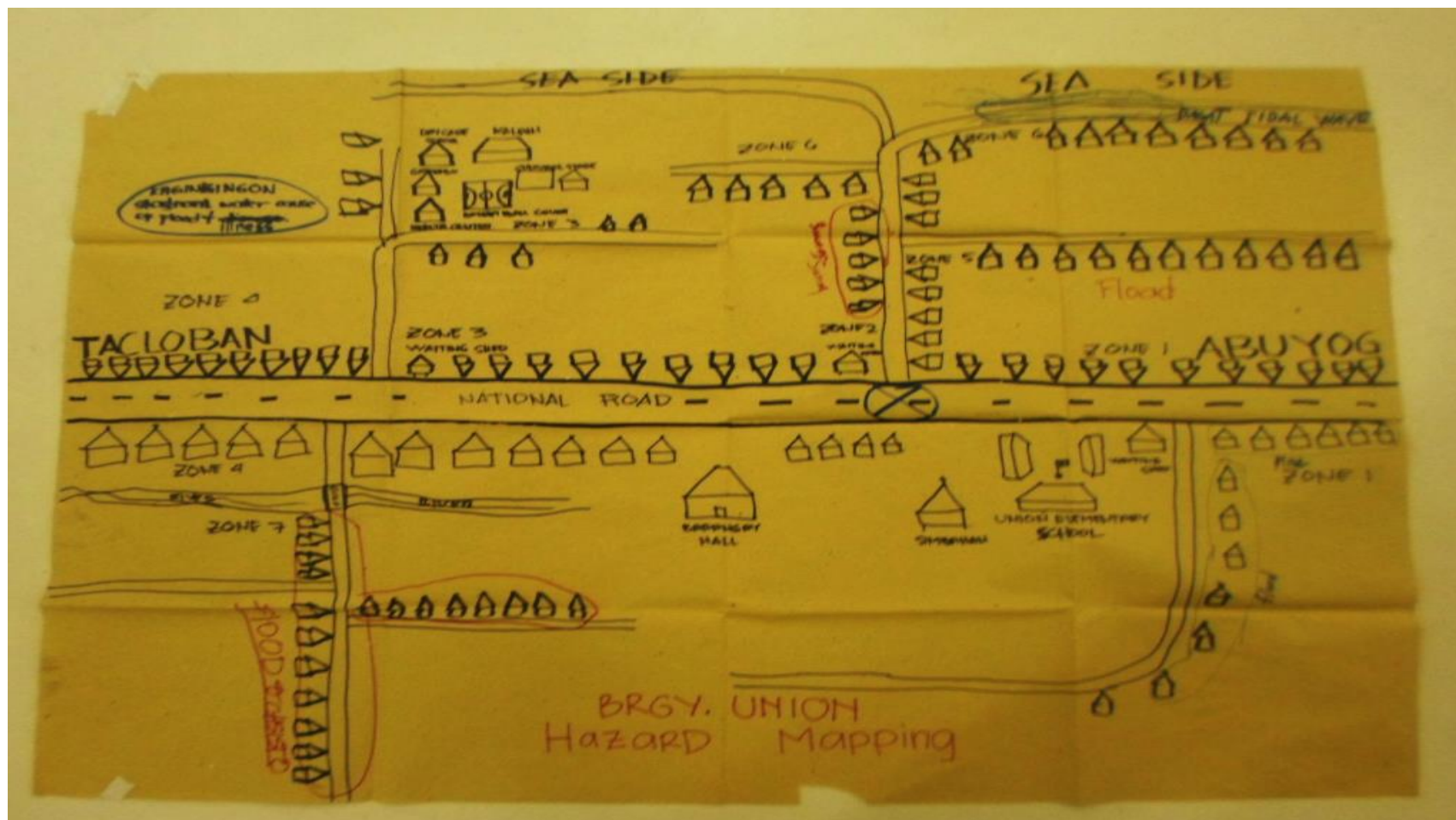


Types of Disaster	TYPHOON (RUFING)	FLOOD	EL NINO
Date of Major Occurrence	November 1991	February 2012	March – April 2013
Impact and Strength	Signal #3	Strong/Heavy	Heavy drought
Loss of Life/ Injured	10 people injured	- 5 people injured - 20 cases of diarrhea	NA
Property	- 200 totally damaged houses - 50 partially damaged houses	- 10 partially damaged houses	NA
Infrastructures	Damaged School building, Church, and Health Center	Bridge was partially damaged	NA
Agriculture	- 150 hectares of rice fields destroyed - 150 hectares of Coconut farms damaged	200 hectares of rice fields washed out	Rice fields and fishponds dried out
Environment	- 200 households with damaged gardens and piggery - 5 fish ponds washed out	- Fish ponds washed out - Piggeries and gardens damaged	Vegetation and crops dried out
Estimated Amount of Damage	₱15,000,000.00	₱10,000,000.00	₱7,000,000.00

Barangay Union, Mayorga, Leyte

HAZARD MAP

Output #2



RISK/VULNERABILITY ASSESSMENT

Output #3a



Types of Hazard	RISKS			Reason
	Low	Medium	High	
Flood			x	<ul style="list-style-type: none"> • Low land • Due to heavy rains • Drainages are clogged with garbage or debris so water can't easily flow • Improper disposal of garbage • No clearing on clogged drainages
Road Accidents		x		<ul style="list-style-type: none"> • No pedestrian signage • Slippery when raining • Roads are narrow
Illnesses/Diseases	x			<ul style="list-style-type: none"> • Floods • Contaminated water • Improper disposal of garbage • Lack of septic tanks of toilets • Lack of potable water

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RISK/VULNERABILITY ASSESSMENT

Output #3b



Types of Hazard

RISKS

Reason

	Low	Medium	High	
Storm Surge		x		<ul style="list-style-type: none">• Storms often occur• The barangay is situated facing the Pacific Ocean• Few people built their homes near the sea
Typhoon		x		<ul style="list-style-type: none">• Families affected by Yolanda have not yet fully repaired or built resilient homes• Causes floods in some zones

VULNERABILITY and CAPACITY ANALYSIS

Output #5a



Hazard Aspects (FLOOD)	Vulnerabilities	Capacities	Possible Actions
Physical/Material	<ul style="list-style-type: none"> • Most households in Zone VII experiences flooding. • The houses don't have second floors or not elevated from the ground in case the flood is high. • There are clogged drainages. 	<ul style="list-style-type: none"> • There are identified areas for evacuation such as the school building, health center or barangay hall. 	<ul style="list-style-type: none"> • Unclogged drainages which causes much of the flooding • Conduct trainings and orientations regarding ways of building resilient homes against floods
Social/Organizations	<ul style="list-style-type: none"> • Most households in Zone VII experiences flooding. 	<ul style="list-style-type: none"> • The local officials spearhead during rescue and evacuation. 	<ul style="list-style-type: none"> • With the help of the community people, the local officials can pass a resolution addressing the issue
Motivational/Attitudinal	<ul style="list-style-type: none"> • The people still continues to live in the flood prone areas and doesn't want to be relocated. 	<ul style="list-style-type: none"> • The people follow the guidelines from local officials in case of evacuation. 	<ul style="list-style-type: none"> • Conduct awareness campaign on flood prevention

VULNERABILITY and CAPACITY ANALYSIS

Output #5b



Hazard Aspects (ILLNESSES/DISEASES)	Vulnerabilities	Capacities	Possible Actions
Physical/Material	<ul style="list-style-type: none">• Houses are congested.• Most homes don't have comfort rooms.• People throw their waste on creeks and drainages.	<ul style="list-style-type: none">• The barangay has a health center.	<ul style="list-style-type: none">• Lessen the number of households without toilets• Impose proper waste disposal
Social/Organizations	<ul style="list-style-type: none">• The barangay has no full time health worker.	<ul style="list-style-type: none">• The local barangay officials are active regarding concerns on health and sanitation.	<ul style="list-style-type: none">• Request to have well trained health workers or Doctor
Motivational/Attitudinal	<ul style="list-style-type: none">• Most of the families are not aware of proper hygiene and sanitation.	<ul style="list-style-type: none">• People show interest in having proper hygiene and sanitation in the barangay.	<ul style="list-style-type: none">• Increase awareness to the people using the DOH campaign against various diseases• Pamphlets could be used in awareness campaigns on proper health care

VULNERABILITY and CAPACITY ANALYSIS

Output #5c



Hazard Aspects (STORM SURGE)	Vulnerabilities	Capacities	Possible Actions
Physical/Material	<ul style="list-style-type: none">• Most people from other zones live near the sea.	<ul style="list-style-type: none">• There are high areas near the barangay in case in need of evacuation.	<ul style="list-style-type: none">• The barangay needs to build an evacuation center.
Social/Organizations	<ul style="list-style-type: none">• The barangay officials cannot immediately respond due to lacking of rescue equipment.	<ul style="list-style-type: none">• The barangay officials inform the people early when there are notifications on storms or for evacuation.	<ul style="list-style-type: none">• Look for donors on rescue equipment.
Motivational/Attitudinal	<ul style="list-style-type: none">• During evacuation, most people don't want to leave their homes due to fear of losing personal possessions.	<ul style="list-style-type: none">• Families with big number of children willingly evacuate when there is need for one.	<ul style="list-style-type: none">• We should conduct awareness campaigns on storm surges.

VULNERABILITY and CAPACITY ANALYSIS

Output #5d



Hazard Aspects (TYPHOON)	Vulnerabilities	Capacities	Possible Actions
Physical/Material	<ul style="list-style-type: none">• <i>Most houses are not yet fully repaired from the past typhoon.</i>	<ul style="list-style-type: none">• <i>Most houses are concrete and semi-concrete.</i>	<ul style="list-style-type: none">• <i>People should be given orientations on building more resilient homes.</i>
Social/Organizations	<ul style="list-style-type: none">• <i>Families can be vulnerable if their houses are near trees which could be uprooted during storms.</i>	<ul style="list-style-type: none">• <i>The barangay officials are active during calamities.</i>	<ul style="list-style-type: none">• <i>Families residing in areas where there could be hazards should be prioritized during evacuation.</i>
Motivational/Attitudinal	<ul style="list-style-type: none">• <i>People are keener to save their possessions rather than keeping safe during storms or typhoons.</i>	<ul style="list-style-type: none">• <i>During warnings of typhoons or storms, people now prepare food and water in their homes in case of worst scenario.</i>	<ul style="list-style-type: none">• <i>Create more awareness to the people on hazards such as typhoons.</i>

VULNERABILITY and CAPACITY ANALYSIS

Output #5e

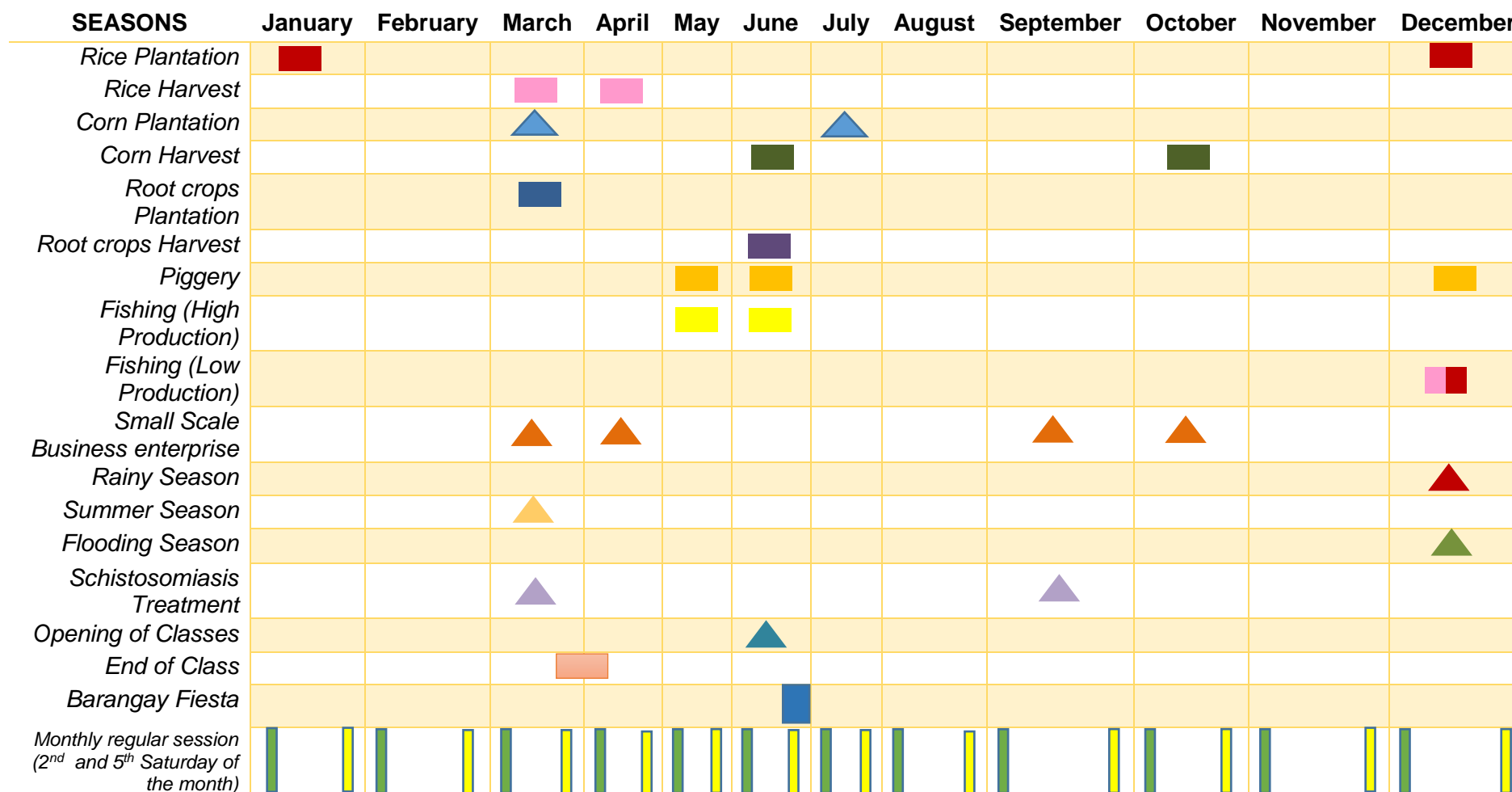


Hazard Aspects (ROAD ACCIDENT)	Vulnerabilities	Capacities	Possible Actions
Physical/Material	<ul style="list-style-type: none">• Existence of highway	<ul style="list-style-type: none">• There are road signs that could help safe crossing.	<ul style="list-style-type: none">• More road signs should be put up
Social/Organizations	<ul style="list-style-type: none">• No traffic enforcer in the area	<ul style="list-style-type: none">• Barangay Tanods help in enforcing safe crossing.	<ul style="list-style-type: none">• There should be assigned personnel on traffic rules.
Motivational/Attitudinal	<ul style="list-style-type: none">• People don't observe safe ways of crossing.	<ul style="list-style-type: none">• People are interested in orientations for safe crossing.	<ul style="list-style-type: none">• Orientations regarding safe crossing and minimizing hazards of accidents

SEASONAL CALENDAR



In partnership with
American Red Cross



Barangay Union, Mayorga, Leyte

SEASONAL CALENDAR LEGENDS

Output #6a



	Rice Plantation
	Rice Harvest
	Corn Plantation
	Corn Harvest
	Root Crops Plantation
	Root Crops Harvest
	Piggery
	Fishing (High Production)
	Fishing (Low Production)
	Small Scale Business Enterprise
	Rainy Season
	Summer Season
	Flooding Season
	Schistosomiasis Treatment
	Opening of Classes
	End of Class
	Barangay Fiesta
	Monthly regular session (2 nd and 5 th Saturday of the month)

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PRIORITY MATRIX

Output #8



	NOT REPAIRED HOUSES	INSUFFICIENT INCOME	NO ACCESSIBLE DRINKING WATER	LACK OF IRRIGATION	LACK OF STREETLIGHTS	NO FARM TO MARKET ROAD	DAMAGE DRAINAGE SYSTEM	LACK OF MEDICINES	TOTAL	
NOT REPAIRED HOUSES		2	5	4	4	4	5	3	27	1st priority
INSUFFICIENT INCOME	5		5	2	5	2	3	3	25	2nd priority
NO ACCESSIBLE DRINKING WATER	2	2		2	4	2	1	2	15	7th priority
LACK OF IRRIGATION	3	4	4		4	3	3	3	24	3rd priority
LACK OF STREETLIGHTS	2	1	2	1		2	3	3	14	8th priority
NO FARM TO MARKET ROAD	2	4	4	3	4		3	3	23	4th priority
DAMAGE DRAINAGE SYSTEM	2	3	5	3	3	3		3	22	5th priority
LACK OF MEDICINES	3	3	4	3	3	3	3		22	6th priority

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RESOURCE MATRIX

Output #9



ACTIVITIES/ RESOURCES	HUMAN	FINANCE	SOCIAL	PHYSICAL	NATURAL
SHELTER	✓	✗	✓	✓	✓
INCOME	✓	✗	✓	✓	✓
IRRIGATION	✓	✗	✓	✓	✓
FARM TO MARKET ROAD	✓	✗	✓	✓	✓
DRAINAGE SYSTEM	✓	✗	✓	✓	✓
MEDICINES	✓	✗	✓	✗	✓
POTABLE WATER	✓	✗	✓	✓	✓
STREETLIGHTS	✓	✗	✓	✓	✓

Barangay Union, Mayorga, Leyte

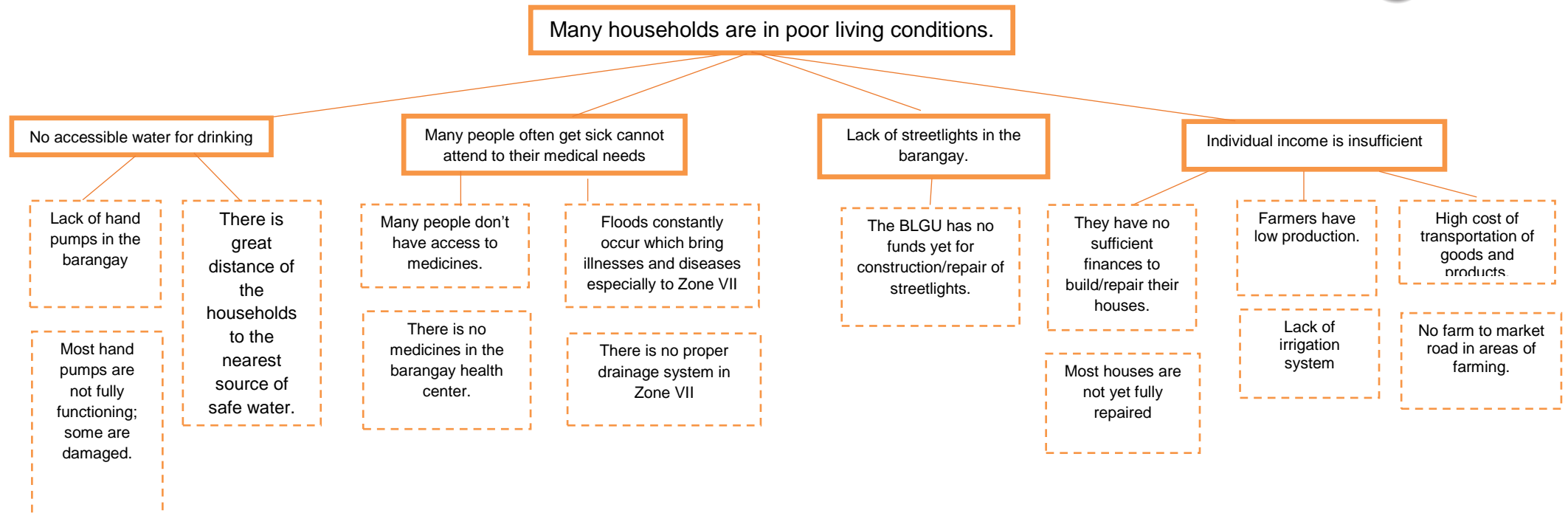
COMMITTEE



WATER and SANITATION	LIVELIHOOD	SHELTER
Chairman: Hon. Rex Advincula	Chairman: Hon. Roger Birador	Chairman: Hon. Cesar Honggo
Fe de Paz	Nida Bagania	Gina Abricio
Glenda del Rosario	Evelyn Maano	Mary Ann Togonon
Diosdada Indona	Loida On	Agnes Ilang
Naomi Basibas	Janet Lamoste	Aileen Minguelita

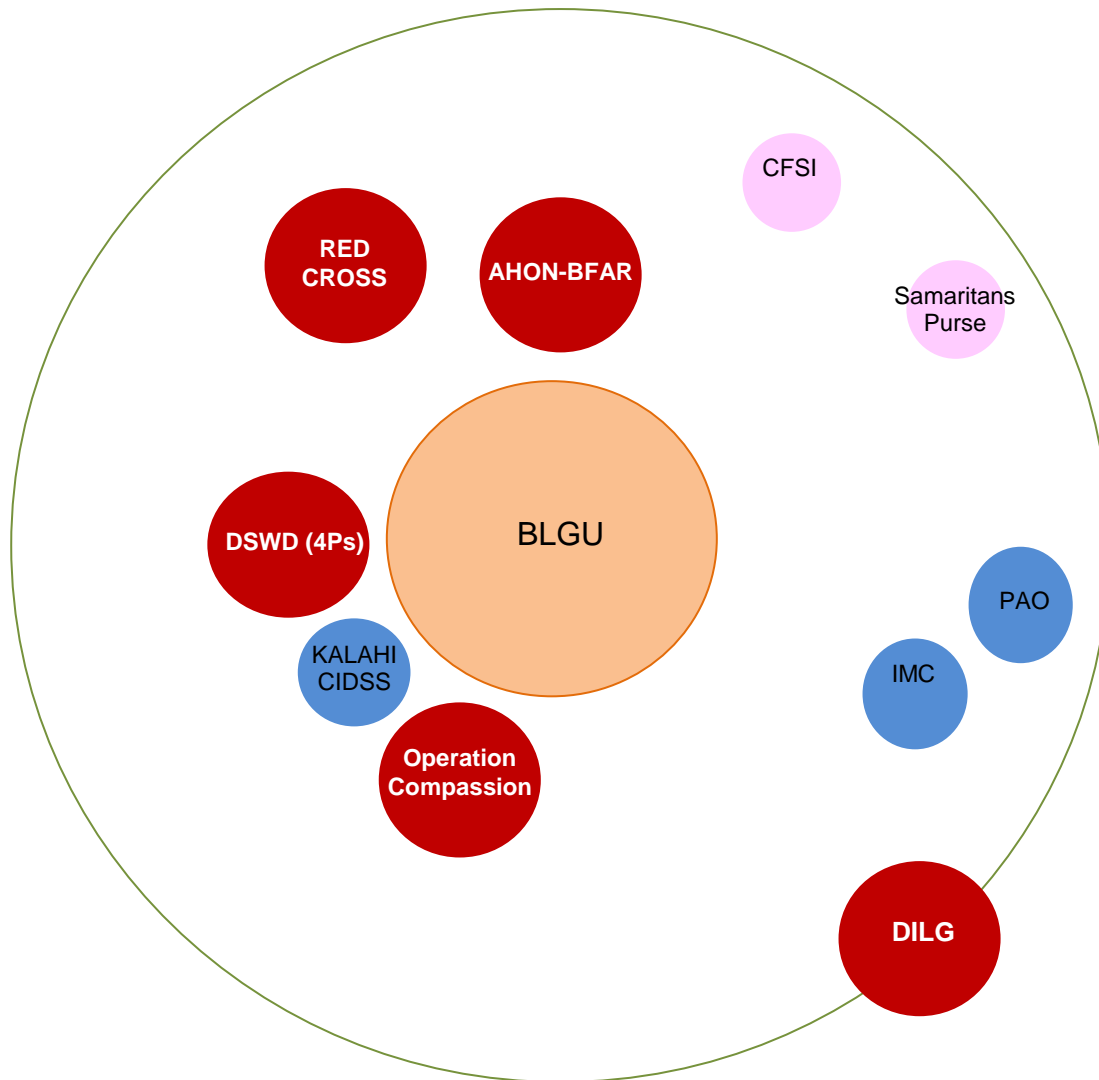
PROBLEM TREE

Output #7



VENN DIAGRAM

Output #4



- AHON-BFAR
- BLGU
- CFSI
- DILG
- DSWD- 4Ps
- IMC
- KALAHI CIDSS
- Operation Compassion
- PAO
- Red Cross
- Samaritan's Purse