

APPENDIX G.Vulnerability Indicators include the following:

1. Age

{1: 18-40y/o, 2: 41-60y/o, 3: 61 up and 0-17}

Ages 18 to 40 years old are in the low level because this is the legal age and the most productive age. Forty-one to 60 years old are considered in the moderate level because these ages are still on the productive and functioning stage but in the diminishing stage because they are more prone to sicknesses and other natural and health troubles. Sixty-one up and 0 to 17 years old are considered to be in the high level of vulnerability due to the fact that 0 to 17 years old are considered to be at the minor stage while 61 years old up is considered to be oblivious to any kind of hazards as well as on the stage of health degradation.

2. Ratio of population size to land area

Ratio of population to land area has been used as one of the indicators. Based on the given ratio obtained, the communities are divided into 3.

3. Educational Attainment

{1:college level up, 2:high school up to high school grad, 3: illiterate up to elementary grad}

4. Occupation

{1: full-time work, 2: part-time work or daily paid, 3: no work}

5. Household Size

{1: 1-3, 2: 4-6, 3: 7 up}

The normal household size for the Philippine setting is 3.

6. Ave. Income per month (PhP)

{1: 10T up, 2: 5-10T, 3: 4.9T below}

From the result of the survey, the mean annual income of the farmers ranges from Php 5 000 to 10 000.

7. Ave. Monthly Savings (Php)

{1: 1T up, 2: 500 hundredths, 3: negative to 499}

The survey revealed that the on the average the respondents savings falls on Php 500.

8. Land Tenure

{1:Owned, 2: Rented or Lease, 3: Occupied for Free and Others}

9. Type of House

{1: Concrete or Brick or Stone, 2: Wood or Galvanized, 3: Sawali/Nipa/Bamboo and Others}

10. Slope of the land (house Steepness)

{1: low, 2: moderate, 3:high}

11. Farm Size (ha):

mean for this item is 2 {1: above 2, 2:2, 3: below 2}

Mean Farm size is 2 ha.

12. Slope of the land (Farm Steepness):

{1: low, 2: moderate, 3:high}

13. Area of Farm Cultivated (ha)

{1: above 0.75, 2: 0.75, 3: below 0.75}

Mean is 0.75 ha.

For annual crops planted, Trees, animals, and farm practices decisions are drawn from the ICRAF technical facilitators.

1. Annual Crops Planted:

{1: tomato, 2: rice, onion, garlic, corn, 3: watermelon, tobacco, sugarcane, pineapple, legumes, cut flowers}

2. Trees:

{1: Bamboo (though a grass), 2: Banana, 3: Mahogany, Cacao, coconut, coffee, durian, jackfruit, lanzones, mango, mangosteen, marang, rambutan, santol, bagras, gmelina, mangium, others}

3. Animals:

{3: goat, pig, cow, chicken, carabao 2: chicken, horse, turkey, ducks, 3: no animal}

4. Seed Stock (kl):

{1: above 0.92, 2: 0.92, 3: below 0.92}

The mean is 0.92 kilos.

5. Farm Yield (kl)

{1: above 1 603.67, 2: 1 603.67, 3: below 1 603.67}

The mean farm yield is 1 603.67 kilos.

6. Fram Practices:

{1: Agroforestry, 2: IPM, Ridge tillage, trash bonding, Rockwall, NVS,
contour farming, 3: Monocropping, organic farming, no farm practice}

For the following items, accessibility has been determined. Decision is relative to the mean of the survey.

7. How far are you from the Service Road? _____ km (Mean: 1.63km)

{1: below the mean, 2: mean, 3: above the mean}

8. How far are you from Claveria Market? _____ km (Mean: 19.09 km)

{1: below the mean, 2: mean, 3: above the mean}

9. How far are you from the Municipal's Office? _____ km (Mean: 19.17km)

{1: below the mean, 2: mean, 3: above the mean}

10. How far are you from the Main Source of Water? _____ km (Mean: 2.62km)

{1: below the mean, 2: mean, 3: above the mean}

11. How far are you from the Local Source of Water? _____ km (Mean: 0.60km)

{1: below the mean, 2: mean, 3: above the mean}

12. How far are you from the Hospital? ____ km (Mean: 17.32km)

{1: below the mean, 2: mean, 3: above the mean}

13. How far are you from the nearest medical/health facilities? ____km (Mean: 1.99km)

{1: below the mean, 2: mean, 3: above the mean}

14. What do you think are the causes of the family's sicknesses? (climate related or not?)

{1: myths, superstitions, 2:biophysical reasons, 3: climate related}

15. Landcare Member?

Since based on the study conducted being a Landcare member proves to have an advantage whether through information, social capital, or access to the technologies, being a Landcare member counts a lot.

1: Yes 2: No

16. Other Organizations/Affiliations

This item depends on the affiliation/organization of the total respondents per barangay. It is believed that social organizations or affiliations can enhance and strengthen social capital.

{1: more than 50% of the total number of respondents belongs to a certain organization or affiliation, 2: 50% of the total number of respondents belongs to a certain organization or affiliation, 3: less than 50% of the total number of respondents belongs to a certain organization or affiliation}

17. Where water is used?

The use of water can indicate the quality of the water. If the water can be used as drinking water this indicates that the water quality is good. Domestic use can indicate that there are chemical components that are not healthy enough to be taken inside the body. Sole use on the agricultural production means that the water quality is not that good.

{1: drinking and others, 2: domestic and agricultural use, 3: agricultural use only}

18. Measures during hard times in drawing water?

19. Severity of effect: {1: no effect, low, 2: moderate, 3: high}

20. Adaptive Measures for Inc or Dec of Temp

{1: Irrigation, Plant trees, 2: Land preparation, plant resistant crops, 3: none}

21. What is "Climate Variability"?

{1: El nino, Weather change, 2: wet and dry, man made, risk to farmers, causes sickness, ozone depletion, harmful, denudation/ environmental degradation, logging, 3: tragedy, God's will, natural process}

22. Temperature Increase is because of:

{1: Climate change, 2: Pollution, deforestation, 3: natural causes and superstitions}

23. What is El Niño?

{1: Climate Variability or Prolonged Drought, 2: an Event, 3: Tragedy or Curse, others}

24. Biophysical Problem

{1: no biophysical problems; 2: mild soil erosion; 3: soil erosion (severe) and more}

25. Water Demand

The water demand is based on the secondary data gathered. From the mean 4.24 cu.m.

26. Soil Characteristics/Elevation

This is based from the result of the soil analysis. As interpreted by the analysis Soils on the higher elevation has the poorest quality of the soil (rank 3). Soils on the middle portion of Claveria ranks the 2nd and finally the best quality are on the low level of elevation (rank 1).

27. percent of the population to the Land area

The mean is 127. 84.