

## Analysis question

In the event of a Flood, how many Population might be affected?

## General report

### Estimated number of people affected per hazard zone

| Hazard Zone          | Count        |
|----------------------|--------------|
| High                 | 2,800        |
| Medium               | 920          |
| Low                  | 1,500        |
| Use caution          | 4,500        |
| <b>Total Exposed</b> | <b>9,600</b> |

| Population   | Count |
|--------------|-------|
| Affected     | 5,200 |
| Not Affected | 4,500 |
| Not Exposed  | 0     |
| Displaced    | 20    |

- **Exposed people:** People who are present in hazard zones and are thereby subject to potential losses. In InaSAFE, people who are exposed are those people who are within the extent of the hazard.
- **Affected people:** People who are affected by a hazardous event. People can be affected directly or indirectly. Affected people may experience short-term or long-term consequences to their lives, livelihoods or health and in the economic, physical, social, cultural and environmental assets. In InaSAFE, people who are killed during the event are also considered affected.
- **Displaced people:** Displaced people are people who, for different reasons and circumstances because of risk or disaster, have to leave their place of residence. In InaSAFE, demographic and minimum needs reports are based on displaced / evacuated people.

## Minimum needs

| Relief items to be provided daily             | Total |
|---|-------|
| Family food pack** [pc.]                      | 0     |
| Drinking water [l]                            | 60    |
| Clean water [l]                               | 220   |
| Minimum water demand for prolonged period [l] | 940   |
| Relief items to be provided monthly           | Total |
| Hygiene kits [pc.]                            | 0     |

|   |              |
|---|--------------|
| Water kits [pc.]                          | 0            |
| <b>Relief items to be provided once</b>   | <b>Total</b> |
| Family kits [pc.]                         | 0            |
| Shelter space [sq m]                      | 80           |
| <b>Relief items to be provided single</b> | <b>Total</b> |
| Toilet [pc.]                              | 0            |
| Child friendly facilities [sq m]          | 0            |
| Laundry spaces [pc.]                      | 0            |
| Water spaces [pc.]                        | 0            |
| Health station                            | 0            |
| Couple room                               | 0            |
| <b>Relief items to be provided weekly</b> | <b>Total</b> |
| Hygiene packs                             | 10           |

#### Estimated number of people displaced by age per aggregation area

| Aggregation Area    | Total displaced population | Age breakdown |          |           |           |          |
|---------------------|----------------------------|---------------|----------|-----------|-----------|----------|
|                     |                            | Infant        | Child    | Youth     | Adult     | Elderly  |
| Bagabag             | 10                         | 0             | 0        | 0         | 10        | 0        |
| Balelleng           | 10                         | 0             | 0        | 10        | 10        | 0        |
| Cañogan Abajo Norte | 10                         | 0             | 0        | 0         | 10        | 0        |
| Cañogan Abajo Sur   | 10                         | 0             | 0        | 0         | 10        | 0        |
| Centro              | 10                         | 0             | 0        | 0         | 10        | 0        |
| Colunguan           | 10                         | 0             | 0        | 0         | 10        | 0        |
| San Roque           | 10                         | 0             | 0        | 0         | 10        | 0        |
| San Vicente         | 10                         | 0             | 0        | 10        | 10        | 0        |
| Calanigan Norte     | 10                         | 0             | 0        | 10        | 0         | 0        |
| <b>Total</b>        | <b>20</b>                  | <b>0</b>      | <b>0</b> | <b>10</b> | <b>20</b> | <b>0</b> |

- **Infant:** A very young child or baby aged between 0 and 4 years.
- **Child:** A young person aged between 5 and 14 years, usually below the age of puberty.
- **Youth:** A person aged between 0 and 14 years.
- **Adult:** Person aged between 15 and 64 years, usually of working age.
- **Elderly:** Persons aged 65 years and over.

#### Estimated number of people displaced by gender per aggregation area

##### Gender breakdown

| Aggregation Area    | Total displaced population | Male | Female |
|---------------------|----------------------------|------|--------|
| Bagabag             | 10                         | 10   | 0      |
| Balelleng           | 10                         | 10   | 10     |
| Cañogan Abajo Norte | 10                         | 10   | 0      |
| Cañogan Abajo Sur   | 10                         | 10   | 0      |
| Centro              | 10                         | 0    | 10     |
| Colunguan           | 10                         | 10   | 10     |
| San Roque           | 10                         | 10   | 0      |
| San Vicente         | 10                         | 10   | 10     |
| Calanigan Norte     | 10                         | 0    | 10     |
| Total               | 20                         | 20   | 10     |

- **Male:** Relating to the characteristics of men.
- **Female:** Relating to the characteristics of women.

#### Estimated number of people displaced by age vulnerability per aggregation area

| Aggregation Area    | Total displaced population | Age vulnerability breakdown |         |
|---------------------|----------------------------|-----------------------------|---------|
|                     |                            | Under 5                     | Over 60 |
| Bagabag             | 10                         | 0                           | 0       |
| Balelleng           | 10                         | 0                           | 0       |
| Cañogan Abajo Norte | 10                         | 0                           | 0       |
| Cañogan Abajo Sur   | 10                         | 0                           | 0       |
| Centro              | 10                         | 0                           | 0       |
| Colunguan           | 10                         | 0                           | 0       |
| San Roque           | 10                         | 0                           | 0       |
| San Vicente         | 10                         | 0                           | 0       |
| Calanigan Norte     | 10                         | 0                           | 0       |
| Total               | 20                         | 0                           | 0       |

- **Under 5:** Persons aged under 5 years
- **Over 60:** Persons aged 60 years and over

#### Estimated number of people displaced by gender vulnerability per aggregation area

Vulnerability ratio is not found. No calculations produced.

#### Estimated number of people displaced by disability vulnerability per aggregation area

| Aggregation Area | Total displaced population | Disability vulnerability breakdown |  |
|------------------|----------------------------|------------------------------------|--|
|                  |                            | Disabled                           |  |

|                     |    |   |
|---------------------|----|---|
| Bagabag             | 10 | 0 |
| Balelleng           | 10 | 0 |
| Cañogan Abajo Norte | 10 | 0 |
| Cañogan Abajo Sur   | 10 | 0 |
| Centro              | 10 | 0 |
| Colunguan           | 10 | 0 |
| San Roque           | 10 | 0 |
| San Vicente         | 10 | 0 |
| Calanigan Norte     | 10 | 0 |
| Total               | 20 | 0 |

- **Disabled:** A person having a physical or mental condition that limits their movements, senses, or activities.

### Estimated number of minimum needs per week

| Aggregation Area    | Total displaced population | Family food pack** [pc.] | Hygiene kits [pc.] | Family kits [pc.] | Water kits [pc.] | Drinking water [l] | Clean water [l] | Minimum needs breakdown                       |                      |              |                                  |
|---------------------|----------------------------|--------------------------|--------------------|-------------------|------------------|--------------------|-----------------|---|----------------------|--------------|----------------------------------|
|                     |                            |                          |                    |                   |                  |                    |                 | Minimum water demand for prolonged period [l] | Shelter space [sq m] | Toilet [pc.] | Child friendly facilities [sq m] |
| Bagabag             | 10                         | 0                        | 0                  | 0                 | 0                | 10                 | 30              | 110   | 10                   | 0            |                                  |
| Balelleng           | 10                         | 0                        | 0                  | 0                 | 0                | 20                 | 80              | 320   | 30                   | 0            |                                  |
| Cañogan Abajo Norte | 10                         | 0                        | 0                  | 0                 | 0                | 10                 | 20              | 60  | 10                   | 0            |                                  |
| Cañogan Abajo Sur   | 10                         | 0                        | 0                  | 0                 | 0                | 10                 | 20              | 60  | 10                   | 0            |                                  |
| Centro              | 10                         | 0                        | 0                  | 0                 | 0                | 10                 | 20              | 60  | 10                   | 0            |                                  |
| Colunguan           | 10                         | 0                        | 0                  | 0                 | 0                | 10                 | 20              | 60  | 10                   | 0            |                                  |
| San Roque           | 10                         | 0                        | 0                  | 0                 | 0                | 10                 | 20              | 60  | 10                   | 0            |                                  |
| San Vicente         | 10                         | 0                        | 0                  | 0                 | 0                | 20                 | 50              | 210   | 20                   | 0            |                                  |
| Calanigan Norte     | 10                         | 0                        | 0                  | 0                 | 0                | 10                 | 20              | 60  | 10                   | 0            |                                  |
| Total               | 20                         | 0                        | 0                  | 0                 | 0                | 60                 | 220             | 940   | 80                   | 0            |                                  |

### Notes and assumptions

#### Analysis notes

- Columns and rows containing only 0 or "No data" values are excluded from the tables.

### Population exposure general notes

- The impacts on roads, people, buildings and other exposure elements may be underestimated if the exposure data are incomplete.
- Exposed population varies by the time (day or night, weekends, holidays etc.). Such variations are not included in the analysis.
- Numbers reported for population counts have been rounded to the nearest 10 people if the total is less than 1,000; nearest 100 people if more than 1,000 and less than 100,000; and nearest 1,000 if more than 100,000.
- Rounding is applied to all population values, which may cause discrepancies between subtotals and totals.
- Note that report rows containing totals are calculated from the entire analysis area totals and then rounded, whereas the subtotal rows are calculated from the aggregation areas and then rounded. Using this approach we avoid adding already rounded numbers and in so doing compounding the rounding.
- If displacement counts are 0, no minimum needs and displaced related postprocessors will be shown.

### Flood general notes

- The extent and severity of the mapped scenario or hazard zones may not be consistent with future events.
- The impacts on roads, people, buildings and other exposure elements may differ from the analysis results due to local conditions such as terrain and infrastructure type.
- The analysis extent is limited to the extent of the aggregation layer or analysis extent. Hazard and exposure data outside the analysis extent are not included in the impact layer, impact map or impact reports.

### Affected notes

- Exposures in the following hazard classes are considered affected: High, Medium, Low

### Displacement rates notes

- For this analysis, the following displacement rates were used: High - 5%, Medium - 3%, Low - 1%, Use caution - 0%

## Analysis details

**Hazard source** 27 - source not available -

**Exposure source** People - source not available -

**Aggregation source** Barangay - source not available -

**Impact Function** Flood Raster On Population Polygon