

## Local Women's Perceptions on Health Concerns, Environmental Issues and Natural Hazards in Olomega, El Carmen, La Union, El Salvador, Central America

This survey is being conducted by Armeda Celestine VanDam, a Peace Corps Volunteer and student at Michigan Technological University. It is not necessary to answer a question if you are not comfortable giving the information. All answers will be kept confidential. The survey will be used as a diagnostic to understand issues and concerns faced by the women in and around Olomega.

Example for filling out survey:

When we have a storm there is (check all that apply):  lightning  snow  rain  
 earthquakes

Cattle/livestock in and around Olomega are (check all that apply):

Cows  Chickens  
 Giraffes  Pigs  
 Elephants  Horses

**D) Personal information:** This information is solely for statistics on the background of the women in and around Olomega and to determine a correlation between background and responses.

1) Age: \_\_\_\_\_

2) Highest level of education finished:  none  1-3  4-6  7-9  high school  
 technical school  college/university  graduate school

3) Years lived in Olomega: \_\_\_\_\_

4) Number of adults (18 and older) in home (permanent residents): \_\_\_\_\_

5) Number of children (under 18) in home: \_\_\_\_\_

6) How old were you when you had your first child: \_\_\_\_\_ or \_\_\_\_\_ do not have children

7) Profession/Occupation (check all that apply):  sell food  sell clothes  sell other  homemaker  other (explain) \_\_\_\_\_

8) Monthly family/household income (including remesas):  none  \$1-\$49  
 \$50-\$99  \$100-\$199  \$200-\$399  \$400-\$599  \$600-\$999  \$1000-\$1499  \$1500 and up

**II) Health:** This section is to better understand the health perceptions, health issues and concerns faced by women in and around Olomega.

9) What is your biggest health concern for you and your family?

- |   |   |
|---|---|
| <input type="checkbox"/> Clean water              | <input type="checkbox"/> Sufficient water and food      |
| <input type="checkbox"/> Healthy food             | <input type="checkbox"/> Clean air                      |
| <input type="checkbox"/> Housing                  | <input type="checkbox"/> Human waste                    |
| <input type="checkbox"/> Garbage                  | <input type="checkbox"/> Animals (vicious dogs, etc...) |
| <input type="checkbox"/> Insects (mosquitoes,...) | <input type="checkbox"/> Other (explain)_____           |

10) How often are you and your family sick?

- Daily or constantly
- Weekly
- Monthly
- Rarely
- Never

11) What illness are you and your family sick with most often? (check all that apply)

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> Dengue Fever | <input type="checkbox"/> Intestinal parasites/bacteria               |
| <input type="checkbox"/> Diabetes     | <input type="checkbox"/> Hypertension                                |
| <input type="checkbox"/> AIDS/HIV     | <input type="checkbox"/> Cavities/tooth problems                     |
| <input type="checkbox"/> Heart        | <input type="checkbox"/> Pregnancy problems                          |
| <input type="checkbox"/> Liver        | <input type="checkbox"/> Mental/psychological (including alcoholism) |
| <input type="checkbox"/> Breathing    | <input type="checkbox"/> Other physical (limbs, skin, hair)          |
| <input type="checkbox"/> Eyesight     | <input type="checkbox"/> Other (explain) _____                       |

12) Are there amoebas/parasites and coliforms (bad bacteria) in the lake water?

- Definitely, all the time
- Sometimes
- Rarely
- Never
- Don't know

13) Are there amoebas/parasites and coliforms (bad bacteria) in the well water?

- Definitely, all the time
- Sometimes
- Rarely
- Never
- Don't know

**III) Natural Hazards:** This section is to determine the perceptions of the women in Olomega about Natural Hazards.

**14) What natural hazards exist in Olomega? (check all that apply)**

- |                                     |                                      |  |
|-------------------------------------|--------------------------------------|--|
| <input type="checkbox"/> Volcanic   | <input type="checkbox"/> Geothermal  | <input type="checkbox"/> Landslide                         |
| <input type="checkbox"/> Flooding   | <input type="checkbox"/> Hurricane   | <input type="checkbox"/> Chemical contamination from rocks |
| <input type="checkbox"/> Tornado    | <input type="checkbox"/> Lightning   | <input type="checkbox"/> Wildfire                          |
| <input type="checkbox"/> Drought    | <input type="checkbox"/> Tsunami     | <input type="checkbox"/> Space hazards                     |
| <input type="checkbox"/> Typhoon    | <input type="checkbox"/> Sand storms | <input type="checkbox"/> Hail                              |
| <input type="checkbox"/> Earthquake | <input type="checkbox"/> Other _____ |  |

**15) Is there geothermal water in or near the lake?**

- Definitely, all the time  
 Sometimes  
 Rarely  
 Never  
 Don't know

**16) Have you been to the geothermal water?**

- Often, many times  
 A few times  
 Never  
 There is no geothermal water

**IV) Environmental Issues:** This section is to determine what Environmental Issues women find to be a concern in and around Olomega.

**17) Currently, how do you get rid of your garbage? (check all that apply)**

- |                                       |  |   |
|---------------------------------------|--|---|
| <input type="checkbox"/> Burn         | <input type="checkbox"/> Bury          | <input type="checkbox"/> Recycle or Reuse |
| <input type="checkbox"/> Dump on land | <input type="checkbox"/> Dump in water | <input type="checkbox"/> Landfill         |

**18) Where do you get your drinking and cooking water? (check all that apply)**

- Well     Lake     River     Purchase (like Agua Cristal)  
 Other \_\_\_\_\_

**19) Is garbage a problem in Olomega?**

- Definitely, all the time  
 Sometimes  
 Rarely  
 Never  
 Don't know

**20) How do you get rid of human waste?**

- |   |   |
|---|---|
| <input type="checkbox"/> Pit latrine        | <input type="checkbox"/> Flush toilet                     |
| <input type="checkbox"/> Composting latrine | <input type="checkbox"/> Toilet (must add water to flush) |
| <input type="checkbox"/> Fields/outside     |   |

**21) What environmental concerns are in Olomega? (check all that apply)**

- |  |   |
|--|---|
| <input type="checkbox"/> Air pollution     | <input type="checkbox"/> Water pollution                |
| <input type="checkbox"/> Lack of resources | <input type="checkbox"/> Burning of crops and hillsides |
| <input type="checkbox"/> Erosion           | <input type="checkbox"/> Land pollution                 |
| <input type="checkbox"/> Deforestation     | <input type="checkbox"/> Human and animal feces         |
| <input type="checkbox"/> Nimfa             | <input type="checkbox"/> Over fishing                   |
| <input type="checkbox"/> Other _____       |   |

**22) Is the lake contaminated?**

- Definitely, all the time
- Sometimes
- Rarely
- Never
- Don't know

**23) If yes, when did it start/happen?**

- Last year
- Last 5 years
- Last 10 years
- Last 20 years
- Always
- Don't know

**24) If yes, what are the sources of contamination?**

- |  |   |
|--|---|
| <input type="checkbox"/> Animals             | <input type="checkbox"/> People living by/in the lake |
| <input type="checkbox"/> Agriculture         | <input type="checkbox"/> Natural                      |
| <input type="checkbox"/> Industry            | <input type="checkbox"/> Government                   |
| <input type="checkbox"/> Military            | <input type="checkbox"/> People in San Miguel         |
| <input type="checkbox"/> People in El Carmen | <input type="checkbox"/> People in Olomega            |
| <input type="checkbox"/> God                 | <input type="checkbox"/> Other _____                  |

**25) Is there anything you wish to know more about regarding any of the above issues?**

THANK YOU VERY MUCH!