

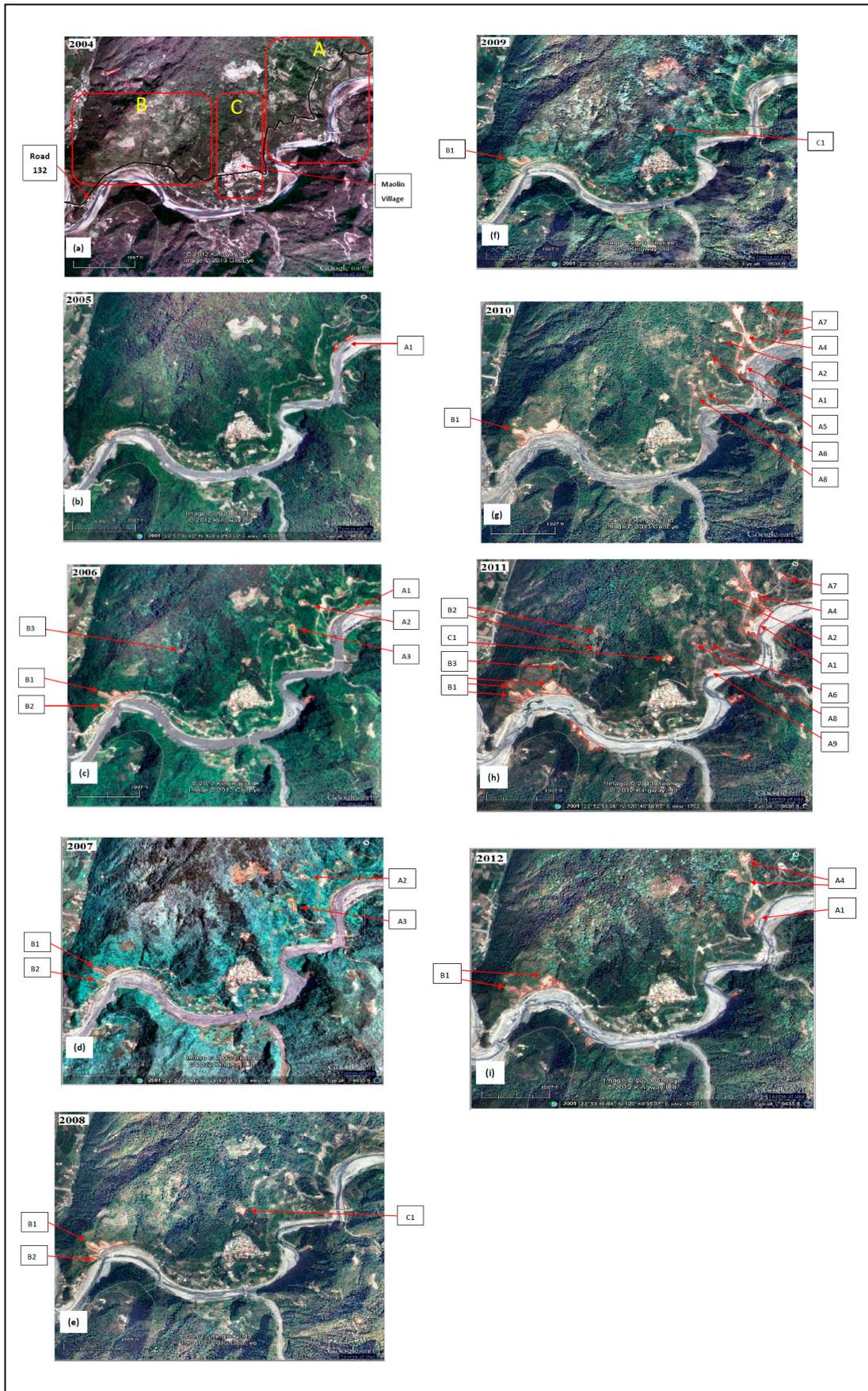
Supplementary Material 1

Eleven questions developed and delivered to the residents of Maolin District

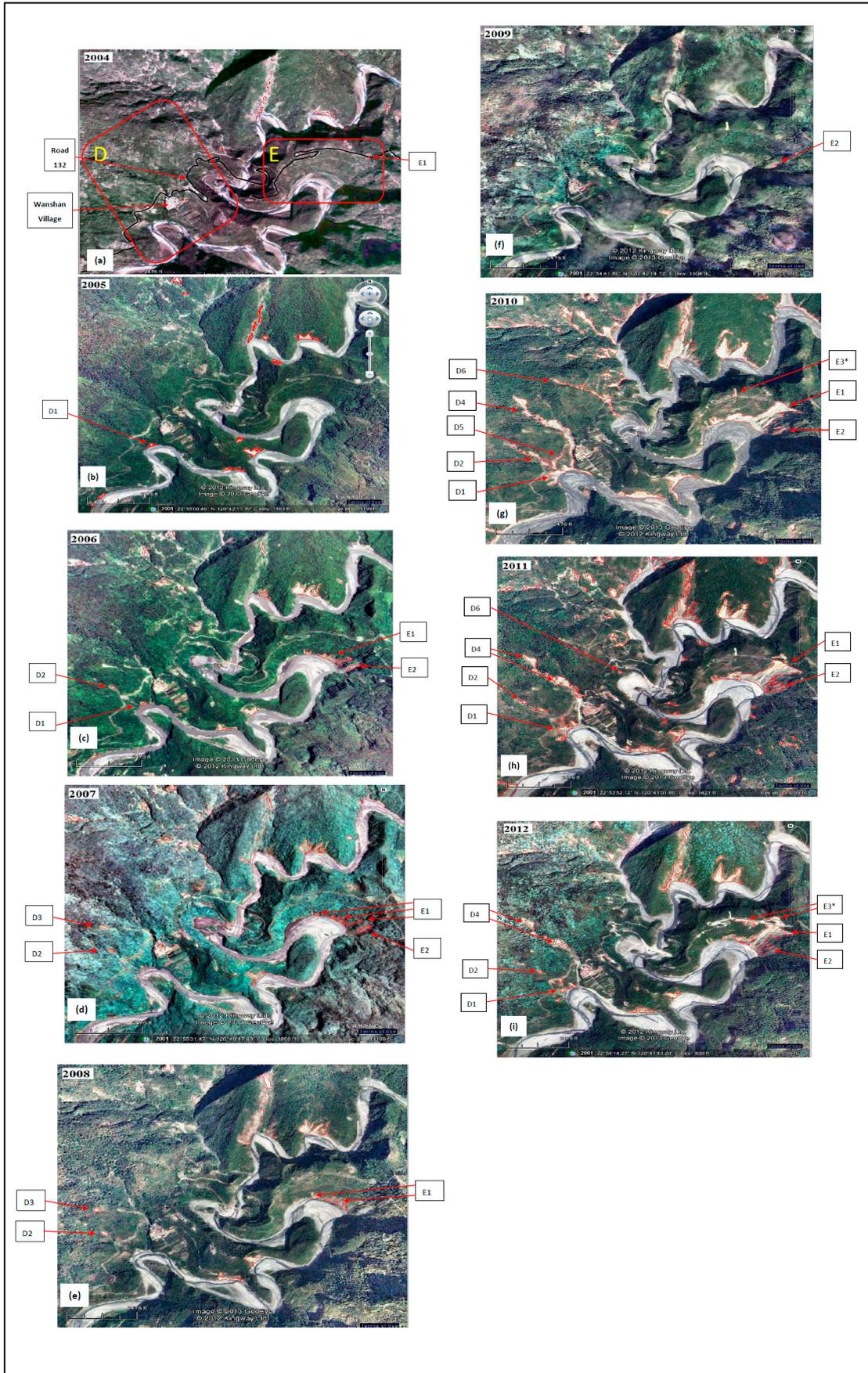
| Information and Awareness |
|--|
| 1. Do you have a computer? Do you have access to it? |
| 2. During a typhoon, where is a safe place? |
| 3. Do you know where the dangerous landslides happen in your community? |
| 4. Does everyone in your community know how to evacuate? Where to go? |
| 5. Do you know and understand you community evacuation plan? |
| 6. Is there a person you trust for information about landslides in your community? |
| Economy and Natural Capital |
| 1. Do you work in your community? |
| 2. What do you hope for the future of Maolin? |
| 3. How often do you travel out of your community to shop for daily goods? |
| 4. When the government is doing construction in your community, are there any additional benefits to your community? |
| 5. How could the government reduce the risk of debris flows/landslides that affect your community? |

Supplementary Materials 2

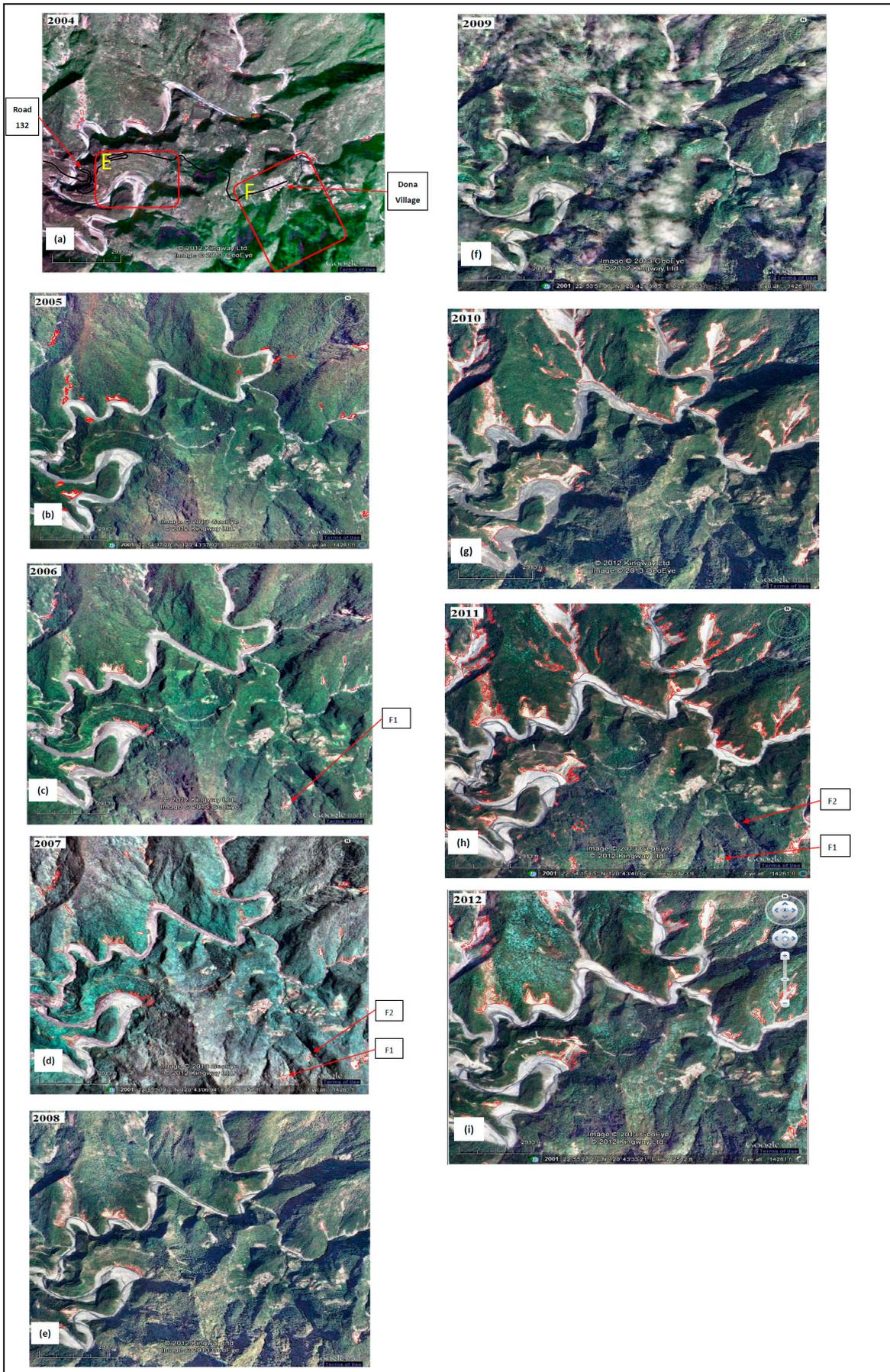
Maolin Village, Landslide Inventory Results (2004-2012), Zones A, B, C. (Base Images: FS-2 displayed on Google Earth platform)



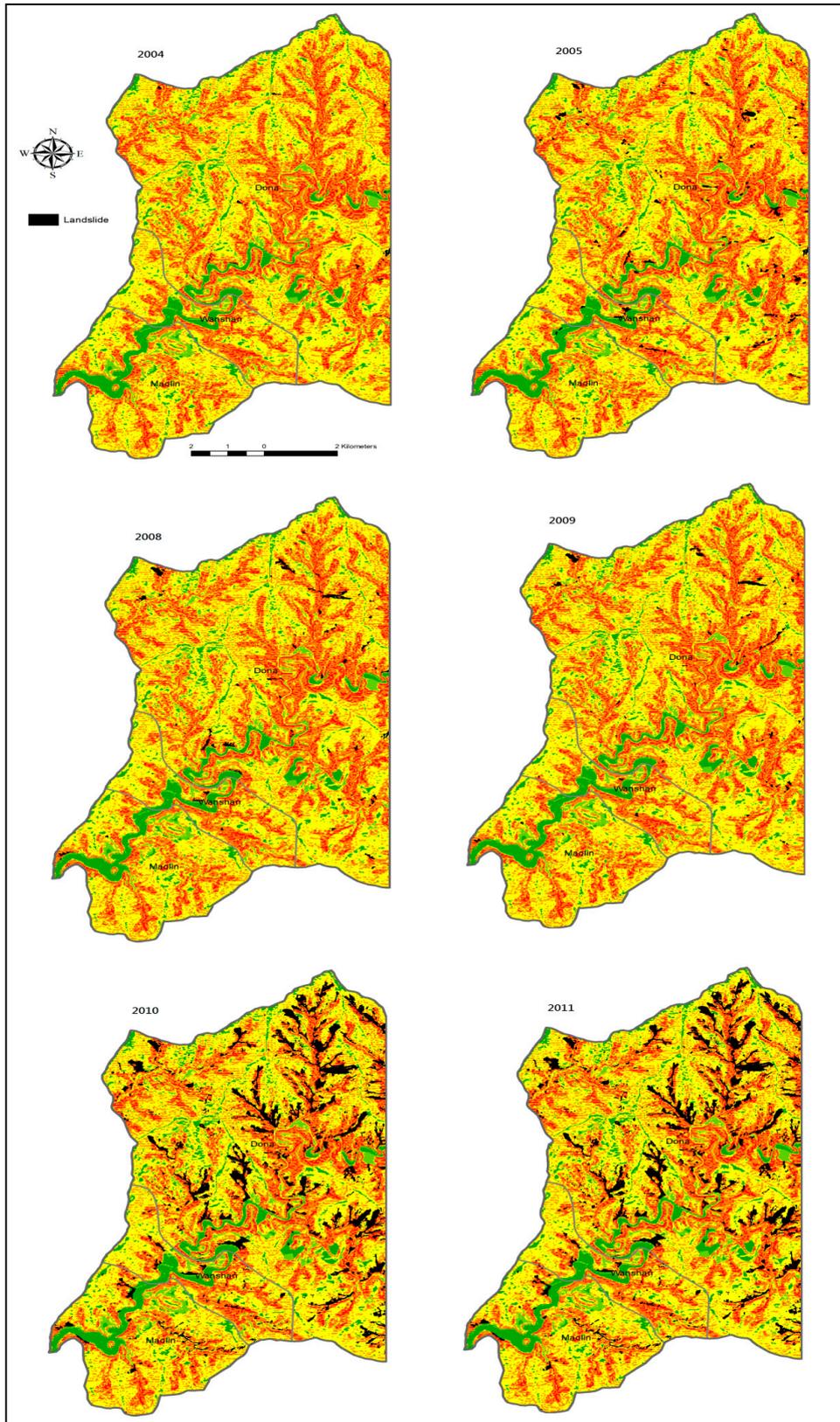
Wanshan Village, Landslide Inventory Results (2004-2012), Zones D, E. (Base Images: FS-2 displayed on Google Earth platform)



Dona Village, Landslide Inventory Results (2004- 2012), Zone E, F. (Base Images: FS-2 displayed on Google Earth platform)



Supplementary Materials 3
LSI vs Landslide Inventory (2004-2012) Results, Maolin District



Supplementary Material 4
 Questionnaire Results
 Information and Awareness Questionnaire Results (1/3)

| Question | Answer | Replies | C.I (%) | Risk to Sustainability | Conclusion |
|--|---|---------|----------|------------------------|---|
| 1. Do you know where the dangerous landslides/debris flows happen in your community? | A: A very good understanding, even more than the government | 26 | 13 to 27 | High | - No clear understanding of where landslide happen |
| | B: I understand based on what the government tells me | 35 | 19 to 35 | High | - Unreliable replies shows lack of awareness |
| | C: I only know some, but in fact I need to know more | 57 | 35 to 53 | High | |
| | D: I do not know | 6 | 1 to 8 | Low | |
| | Other: _____ | 4 | 0.1 to 6 | Low | |
| Total no. of replies | | 130 | | | |
| 2. Does everyone in your community know how to evacuate? And where to go? | A: Yes, I know this from ___ to go to __ (shelter) | 67 | 43 to 60 | Low | - Dependence on government |
| | B: Government will make arrangements, so I do not need to worry | 31 | 17 to 31 | High | - Need for a community based system for evacuation. |
| | C: I do not know, because government will arrange. | 22 | 10 to 23 | High | |
| | Other _____ | 10 | 3 to 12 | Low | |
| Total no. of replies | | 130 | | | |

Information and Awareness Questionnaire Results (2/3)

| Question | Answer | Replies | C.I.(%) | Risk to Sustainability | Conclusion |
|--|---|---------|----------|------------------------|---|
| 3. Do you have a computer? Do you have access to it? | A: Yes, I have a computer with internet access | 90 | 64 to 79 | Low | - Computer can be a tool to access information and increase awareness |
| | B: Yes, I have a computer but not internet connection | 3 | 0.2 to 5 | Low | |
| | C: No, I do not have a computer or internet connected devices | 33 | 19 to 34 | Low | |
| Total no. of replies | | 126 | | | |
| 4. Is there a person or people that you trust for information about landslides/debris flows in your community? | A: Yes, the person I trust is _____ | 66 | 44 to 61 | Medium | - No clear information source, need to know what info is reliable |
| | B: No, the only reliable person is myself | 39 | 23 to 39 | High | |
| | Other _____ | 21 | 10 to 23 | | |
| Total no. of replies | | 126 | | | |

Information and Awareness Questionnaire Results (3/3)

| Question | Answer | Replies | C.I (%) | Risk to Sustainability | Conclusion |
|---|---|---------|----------|------------------------|---|
| 5. Do you know and understand your community evacuation plan? | A: Yes, and I feel it is very a complete plan | 40 | 23 to 39 | Medium | - Good overall understanding. |
| | B: Yes, but I think there is room for improvement, I suggest: _____ | 66 | 42 to 59 | Medium | - Should improve because geohazards occur annually |
| | C: no or not enough, I prefer to believe in myself | 24 | 12 to 25 | Medium | - Need for a clear and easy to understand evacuation plan |
| Total no. of replies | | 130 | | | |
| | | | | | |
| 6. During a typhoon, where is a safe area? | A: Government Shelter | 53 | 32 to 49 | Medium | - No clear choice of where is safe |
| | B: I will stay home, because I think my home is the safest | 36 | 20 to 35 | Medium | - Need to know where the best place to go is |
| | C: nongovernment-designated shelter, but I will go (such as churches) | 39 | 22 to 38 | Medium | -Personal preference interferes with actual safe location |
| | Other _____ | 2 | 0.5 to 3 | Low | |
| Total no. of replies | | 130 | | | |

Economy and Natural Capital Questionnaire Results (1/3)

| Question | Answer | Replies | C.I (%) | Risk to Sustainability | Conclusion |
|---|--|---------|----------|------------------------|--|
| 1. Do you work in your community? | A: Yes, I work in my community | 59 | 37 to 54 | Low | - Ideally, the more citizens working locally, the better |
| | B: No, I work outside my community | 25 | 12 to 26 | Medium | - Less travel reduces risk and lowers living costs |
| | C: No. I don't have a job. | 32 | 17 to 32 | High | - Job creation is lacking |
| | Other _____ | 14 | 5 to 16 | Medium | |
| Total no. of replies | | 130 | | | |
| | | | | | |
| 2. When the government is doing construction in your community, are there any additional benefits to your community? Example: give priority hiring to local residents to participate in local construction projects. | A: Yes, I know that the following measures _____ | 12 | 4 to 14 | High | - Residents benefit with new roads |
| | B: Yes, there should be, but I do not know | 94 | 64 to 80 | High | - No benefit of employment opportunities |
| | C: I know not, I suggest _____ | 24 | 12 to 25 | High | - Lack of skilled training may have caused this situation. |
| Total no. of replies | | 130 | | | |

Economy and Natural Capital Questionnaire Results (2/3)

| Question | Answer | Replies | C.I. (%) | Risk to Sustainability | Conclusion |
|---|---|---------|----------|------------------------|---|
| 3. What do you hope for the Maolin District in the future? | A: economic priority. (Tourism, land development) | 20 | 9 to 21 | Low | - Understand the importance of natural capital to their future |
| | B: environment as a priority. (Ecological protection, set up nature reserves and indigenous culture preservation) | 102 | 71 to 86 | Low | - Need for further development of environmental capital that sets the environment as priority |
| | C: maintain the status quo | 4 | 0.1-6 | Low | |
| | Other _____ | 4 | 0.1-6 | Low | |
| Total no. of replies | | 130 | | | |
| 4. How often do you travel out of your community to shop for daily goods? | A : _____ per day | 7 | 1 to 9 | Low | - No stores to supply locals with daily good |
| | B: _____ per week | 66 | 42-60 | High | |
| | C : _____ per month | 12 | 4 to 14 | Low | - No choice, must frequently leave community |
| | D: go to town without any reason | 37 | 20-36 | Medium | |
| | Other _____ | 8 | 2 to 10 | Low | |
| Total No. of Replies | | 130 | | | |

Economy and Natural Capital Questionnaire Results (3/3)

| Question | Answer | Replies | C.I (%) | Risk to Sustainability | Conclusion |
|--|---|---------|----------|------------------------|---|
| 5. How could the government reduce the risk of debris flows/landslides that affect your community? | A: should increase the budget for the implementation of afforestation, road and construction projects to prevent landslides | 67 | 43 to 60 | Medium | - Residents want more to be done |
| | B: maintain the status quo | 21 | 9 to 22 | Medium | - Landslide will happen so there is need for adaptation to the changing environment |
| | C: do less or do not do, because we cannot resist the forces of nature. Funds should be used in other areas, such as: _____ | 18 | 7 to 20 | Low | |
| | Other, your suggestions: _____ | 24 | 12 to 25 | Low | |
| Total No. of Replies | | 130 | | | |