



Human-Dog Relationships across Communities Surrounding Ranomafana and Andasibe-Mantadia National Parks, Madagascar

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Table 1. Survey Responses of Dog Owners in communities surrounding Andasibe-Mantadia and Ranomafana National Parks.

| Survey Questions and Responses | Frequency | | Percent (%) | |
|--|-------------------|------------------|-------------|------|
| | AMNP (N = 329) | RNP (N = 206) | AMNP | RNP |
| 1) How many dogs do you currently own/feed? | - | - | | |
| Number of Dogs/Household | 1064/329 | 320/206 | | |
| (HH) | = 3.23 | = 1.55 | | |
| Range (S.D.) | 11 (2.751) | 14 (1.214) | | |
| 2) Why do you own your dog? | | | | |
| A. Companionship | 27 | 25 | 8.2 | 12.1 |
| B. Hunting | 4 | 2 | 1.2 | 1 |
| C. Protection | 212 | 107 | 64.4 | 52 |
| D. Other (Explain) | | | | |
| Companionship and Hunting | 3 | 4 | 1 | 2 |
| Companionship and Protection | 46 | 57 | 14 | 28 |
| Hunting and Protection | 26 | 6 | 8 | 3 |
| Companionship, Hunting and Protection | 11 | 5 | 3.3 | 2.4 |
| 3) How did you acquire your dog? | | | | |
| A. Purchase | 69 | 9 | 21 | 4.4 |
| B. Offspring from previously owned dog | 74 | 36 | 22.5 | 17.5 |

Table 1. (Continued).

| Survey Questions and Responses | Frequency | | Percent (%) | |
|---|-------------------|------------------|-------------|------|
| | AMNP (N = 329) | RNP (N = 206) | AMNP | RNP |
| C. Adopted stray | 13 | 42 | 4 | 20.4 |
| D. Adopted as puppy | 136 | 108 | 41.3 | 52.4 |
| E. Other (explain) | 6 | 22 | 2 | 11 |
| 1. Exchanged the puppy for chicken | 1 | - | 0.3 | - |
| 2. Received as a gift | 5 | 1 | 1.5 | 0.5 |
| 4) How much time during a day does the dog spend in the village? | | | | |
| A. Less than 1 hour per day | 16 | 16 | 5 | 8 |
| B. 1 – 3 hours per day | 40 | 16 | 12.2 | 8 |
| C. 3 – 6 hours per day | 53 | 23 | 16.1 | 11.2 |
| D. 6 – 8 hours per day | 48 | 64 | 15 | 32 |
| E. All day | 170 | 87 | 52 | 42.2 |
| 5) How much time during a day does the dog spend away from you? | | | | |
| A. Less than 1 hour per day | 66 | 72 | 20.1 | 35 |
| B. 1 – 3 hours per day | 68 | 54 | 21 | 26.2 |
| C. 3 – 6 hours per day | 98 | 33 | 30 | 16 |
| D. 6 – 8 hours per day | 72 | 28 | 22 | 14 |
| E. All day | 23 | 17 | 7 | 8.3 |
| 6) How many days a week do you travel with your dog into the forest? | | | | |
| A. 0 | 156 | 119 | 47.4 | 58 |
| B. 1 | 36 | 39 | 11 | 19 |
| C. 2 | 30 | 19 | 9.1 | 9.2 |
| D. 3 | 17 | 13 | 5.2 | 6.3 |
| E. 4 | 8 | 5 | 2.4 | 2.4 |
| F. 5 | 17 | 2 | 5.2 | 1 |
| G. 6 | 19 | 3 | 6 | 1.5 |
| H. 7 | 44 | 7 | 13.4 | 3.4 |
| 7) What do you feed your dog? | | | | |
| A. Left-over food or food scraps | 324 | 192 | 98.5 | 93.2 |
| B. I do not feed my dog (the dog finds food on its own) | 0 | 11 | 0 | 5.3 |

Table 1. (Continued).

| Survey Questions and Responses | Frequency | | Percent (%) | |
|---|-------------------|------------------|-------------|------|
| | AMNP (N = 329) | RNP (N = 206) | AMNP | RNP |
| C. Other (explain) | 5 | 1 | 1.5 | 1 |
| Dog Food | 3 | 1 | 1 | 1 |
| 8) Has your dog ever killed any domestic animals? | | | | |
| A. Yes | 36 | 25 | 11 | 12.1 |
| B. No | 292 | 176 | 89 | 85.4 |
| 9) If answered "yes" to #8: What species? Please list as many species as you can recall (Figure 4) | | | | |
| 10) If answered "yes" to #8: How often does your dog kill domestic animals? | | | | |
| A. More than once per week | 1 | - | 3 | - |
| B. About once per week | 8 | 2 | 22.2 | 8 |
| C. About once per month | 12 | 7 | 33.3 | 28 |
| D. About once per year | 7 | 8 | 19.4 | 32 |
| E. Other (explain) | 8 | 10 | 22.2 | 40 |
| 1. Justonce | - | 3 | - | 12 |
| 2. Twice amonth | - | 1 | - | 4 |
| 3. Every twomonths | - | 1 | - | 4 |
| 11) Has your dog ever killed any wild animals? | | | | |
| A. Yes | 144 | 81 | 44 | 39.3 |
| B. No | 180 | 125 | 55 | 61 |
| 12) If answered "yes" to #11: What species? Please list as many species as you can recall (Figure 5) | | | | |
| 13) If answered yes to #11: How often does your dog kill wild animals? | | | | |
| A. More than once per week | 25 | 11 | 17.4 | 14 |
| B. About once per week | 37 | 18 | 26 | 22.2 |
| C. About once per month | 42 | 17 | 29.2 | 21 |
| D. About once per year | 26 | 14 | 18.1 | 17.3 |
| E. Other (explain) | 14 | 19 | 10 | 23.5 |

Table 1. (Continued).

| Survey Questions and Responses | Frequency | | Percent (%) | |
|---|---------------------------------|--------------------------------|-------------|----------|
| | AMNP (N = 329) | RNP (N = 206) | AMNP | RNP |
| 1. Just once | 11 | - 1 | 7.9 | - |
| 2. Twice only | - 1 | - | 7.1 | 5.3 |
| 3. Twice a month | 1 | - | 7.1 | - |
| 4. Every two months | 1 | - | 7.1 | - |
| 5. Last kill was 3 years ago | | | - | - |
| 6. Sometimes | - | 3 | - | 1.6 |
| 14) How many dogs does your family need or want? | 2.02 | 1.74 | - | - |
| Range (S.D.) | (average) 10 (1.070) | (average) 6 (1.045) | | |
| 15) How many litters of puppies has your current dog(s) had since it has lived with you? | | | | |
| 1. 0 - 5 | 172 | 94 | 81.1 | 78.3 |
| 2. 6 - 10 | 21 | 11 | 10 | 9.2 |
| 3. 11 - 15 | 13 | 5 | 6.1 | 4.2 |
| 4. 16 - 20 | 3 | 1 | 1.4 | 1 |
| 5. >20 | 3 | 9 | 1.4 | 7.5 |
| 16) What happened to those puppies? | | | | |
| A. Some or all died | 28 | 19 | 13.2 | 16 |
| B. Some or all are still alive | - | 3 | - | 2.5 |
| C. Given away or offered to someone | 52 | 15 | 24.5 | 12.5 |
| D. Exchanged for chicken | 1 | - | 0.5 | - |
| E. Some or all kept for breeding or taking care | 6 | 1 | 3 | 1 |
| F. Some or all sold | - | 8 | - | 7 |
| G. Lost them | - | 6 | - | 5 |
| H. Someone killed them | - | 1 | - | 1 |
| I. Mother ate her own puppies | - | 1 | - | 1 |
| J. Unknown | - | 2 | - | 2 |
| 17) About how many times per year does your dog have puppies? | | | | |
| A. Once a year | 47 | 27 | 22.2 | 22.5 |
| B. More than once a year | 20 | 17 | 9.4 | 14.2 |
| C. For the first time | 5 | 2 | 2.4 | 2 |
| D. Once every 2-3 years | 1 | 1 | 0.5 | 1 |

Table 1. (Continued).

| Survey Questions and Responses | Frequency | | Percent (%) | |
|--|-------------------|------------------|-------------|------|
| | AMNP (N = 329) | RNP (N = 206) | AMNP | RNP |
| E. Unknown | - | 2 | - | 2 |
| 18) What do you/your family do with unwanted puppies? | | | | |
| A. Given away | 63 | 37 | 30 | 31 |
| B. Some or all sold | 1 | 1 | 0.5 | 1 |
| C. Kept some or all | 2 | 1 | 1 | 1 |
| D. Exchanged them for chicken | 2 | - | 1 | - |
| E. Killed some or all | - | 5 | - | 4.2 |
| 19) How do you/your family treat stray dogs? | | | | |
| A. Ignore them | 51 | 53 | 15.5 | 26 |
| B. Shoo them | 235 | 124 | 71.4 | 60.2 |
| C. Feed them | 29 | 36 | 9 | 17.5 |
| D. Kill them | 13 | 14 | 4 | 7 |
| E. Other (Explain) | - | 3 | - | 1.5 |
| 1. They are not a problem | 1 | 1 | 0.3 | 0.5 |
| 20) Do you recognize and know dogs that are "owned" by your neighbours? | | | | |
| A. Yes | 142 | 158 | 43.2 | 77 |
| B. No | 187 | 48 | 57 | 23.3 |
| 21) How do you feel about stray or feral dogs in your village? | | | | |
| A. A nuisance or problem | 177 | 136 | 54 | 66 |
| B. A regular part of life | 109 | 45 | 33.1 | 22 |
| C. Ignore them | 41 | 26 | 12.5 | 13 |
| D. Other (Explain) | 2 | 3 | 1 | 1.5 |
| 1. Scared of them | 1 | 1 | 50 | 33.3 |
| 2. Neutral toward them | 1 | - | 50 | - |
| 22) Would your life be better if there were no stray or feral dogs in your village? | | | | |
| A. Yes | 286 | 169 | 87 | 82 |
| B. No | 37 | 24 | 11.3 | 12 |
| C. Other (Explain) | 3 | 6 | 1 | 3 |
| 1. Would be same as everyday | - | - | - | - |
| 2. Don't care | 3 | - | 100 | - |

Table 1. (Continued).

| Survey Questions and Responses | Frequency | | Percent (%) | |
|---|-------------------|------------------|-------------|-----|
| | AMNP (N = 329) | RNP (N = 206) | AMNP | RNP |
| 3. We need them sometimes | - | 1 | - | 17 |
| 23) If you had free access to regular veterinary care for your dog, would you take it? | | | | |
| A. Yes | 309 | 181 | 94 | 88 |
| B. No | 7 | 7 | 2.1 | 3.4 |
| C. Unsure | 10 | 11 | 3 | 5.3 |
| D. Other | - | 3 | - | 1.5 |
| S.D. = Standard Deviation | | | | |

Table 2. Survey Responses of Non-Dog Owners in communities surrounding Andasibe-Mantadia and Ranomafana National Parks.

| Survey Questions and Responses | Frequency | | Percent (%) | |
|--|---------------|----------------|-------------|------|
| | AMNP | RNP | AMNP | RNP |
| Number of Non-dog owner respondents | N = 63 | N = 216 | | |
| 24) How do you/your family treat stray dogs? | | | | |
| F. Ignore them | 4 | 66 | 6.4 | 31 |
| G. Shoo them | 43 | 109 | 68.3 | 50.5 |
| H. Feed them | 9 | 36 | 14.3 | 17 |
| I. Kill them | 1 | 9 | 2 | 4.2 |
| J. Other (Explain) | - | 3 | - | 1.4 |
| 25) How do you feel about stray or feral dogs in your village? | | | | |
| E. A nuisance or problem | 35 | 119 | 56 | 55.1 |
| F. A regular part of life | 19 | 58 | 30.2 | 27 |
| G. Ignore them | 5 | 32 | 8 | 15 |
| H. Other (Explain) | - | 12 | - | 6 |
| 26) Would your life be better if there were no stray or feral dogs in your village? | | | | |
| C. Yes | 46 | 136 | 73 | 63 |
| D. No | 10 | 51 | 16 | 24 |
| E. Other (Explain) | - | 26 | - | 12 |