

Table 3-3-42 (1/2) Sufficiency of Livestock Feeds

Village	Sample H'hold (No.)	Sufficiency for Cow/Oxen										Sufficiency for Buffalo									
		Wet Season					Dry Season					Wet Season					Dry Season				
		Owner H'hold (No.)	Suffi- cient (%)	Just Enough (%)	Short (%)	Very Short (%)	Suffi- cient (%)	Just Enough (%)	Short (%)	Very Short (%)	Owner H'hold (No.)	Suffi- cient (%)	Just Enough (%)	Short (%)	Very Short (%)	Suffi- cient (%)	Just Enough (%)	Short (%)	Very Short (%)		
Namon Area																					
1. Vangmiang	21	11	100.00	0.00	0.00	0.00	45.45	54.55	0.00	17	100.00	0.00	0.00	0.00	11.76	41.18	47.06	0.00	0.00		
2. Namon-Tai	31	12	91.67	8.33	0.00	0.00	41.67	58.33	0.00	12	91.67	8.33	0.00	0.00	41.67	8.33	50.00	0.00	0.00		
3. Namon-Nua	24	14	100.00	0.00	0.00	0.00	64.29	21.43	0.00	18	100.00	0.00	0.00	0.00	72.22	5.56	22.22	0.00	0.00		
4. Phonsavang	22	6	83.33	16.67	0.00	0.00	16.67	66.67	16.67	6	100.00	0.00	0.00	0.00	0.00	0.00	83.33	16.67	0.00		
5. Phonkeo	28	13	100.00	0.00	0.00	0.00	46.15	53.85	0.00	17	100.00	0.00	0.00	0.00	35.29	58.82	5.88	0.00	0.00		
6. Ngiou	11	10	100.00	0.00	0.00	0.00	30.00	40.00	0.00	11	100.00	0.00	0.00	0.00	0.00	36.36	36.36	0.00	0.00		
7. Nalao	17	9	100.00	0.00	0.00	0.00	66.67	33.33	0.00	13	100.00	0.00	0.00	0.00	76.92	23.08	0.00	0.00	0.00		
8. Nakhom	7	1	100.00	0.00	0.00	0.00	100.00	0.00	0.00	3	100.00	0.00	0.00	0.00	33.33	33.33	33.33	0.00	0.00		
9. Phongngang	6	4	100.00	0.00	0.00	0.00	25.00	75.00	0.00	4	100.00	0.00	0.00	0.00	60.00	40.00	0.00	0.00	0.00		
10. Nangeun-Nua	10	5	100.00	0.00	0.00	0.00	80.00	20.00	0.00	5	100.00	0.00	0.00	0.00	36.36	63.64	0.00	0.00	0.00		
11. Nangeun-Tai	14	7	100.00	0.00	0.00	0.00	42.86	57.14	0.00	11	100.00	0.00	0.00	0.00	26.67	53.33	20.00	0.00	0.00		
12. Vanghua	23	12	100.00	0.00	0.00	0.00	25.00	58.33	16.67	15	100.00	0.00	0.00	0.00	66.67	33.33	0.00	0.00	0.00		
13. Houaysan	8	5	100.00	0.00	0.00	0.00	80.00	20.00	0.00	6	100.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00		
14. Nampath-Nua	6	1	100.00	0.00	0.00	0.00	0.00	100.00	0.00	1	100.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00		
Sub-total or Average	228	110	98.18	1.82	0.00	0.00	41.82	30.91	26.36	0.91	139	99.28	0.72	0.00	39.57	34.53	25.18	0.72	0.17		
Sombour Area																					
1. Houaymo-Nua	11	3	100.00	0.00	0.00	0.00	100.00	0.00	0.00	3	100.00	0.00	0.00	0.00	66.67	33.33	0.00	0.00	0.00		
2. Houaymo-Tai	17	7	100.00	0.00	0.00	0.00	57.14	42.86	0.00	1	100.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00		
3. Thahua-Nua	42	10	70.00	30.00	0.00	0.00	40.00	50.00	10.00	9	55.56	44.44	0.00	0.00	55.56	22.22	22.22	0.00	0.00		
4. Thahua-Tai	30	6	100.00	0.00	0.00	0.00	0.00	100.00	0.00	3	100.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00		
5. Houaypamom	45	14	100.00	0.00	0.00	0.00	7.14	78.57	14.29	8	100.00	0.00	0.00	0.00	25.00	62.50	12.50	0.00	0.00		
6. Somsanouk	49	31	100.00	0.00	0.00	0.00	29.03	54.84	16.13	2	100.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00		
7. Nampat	11	5	100.00	0.00	0.00	0.00	60.00	40.00	0.00	2	100.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00		
8. Vangkhi	34	16	100.00	0.00	0.00	0.00	31.25	50.00	18.75	11	100.00	0.00	0.00	0.00	27.27	36.36	36.36	0.00	0.00		
9. Phonthong	7	5	60.00	0.00	40.00	0.00	40.00	20.00	40.00	2	50.00	0.00	50.00	0.00	50.00	0.00	50.00	0.00	0.00		
10. Taothan	16	10	80.00	10.00	0.00	0.00	0.00	20.00	70.00	5	60.00	20.00	20.00	0.00	20.00	20.00	60.00	0.00	0.00		
11. Nampath-Tai	8	9	77.78	22.22	0.00	0.00	66.67	33.33	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
12. Houayxi	14	5	40.00	60.00	0.00	0.00	40.00	60.00	0.00	2	50.00	50.00	0.00	0.00	50.00	50.00	0.00	0.00	0.00		
13. Namphao	44	24	70.83	29.17	0.00	0.00	41.67	37.50	20.83	15	66.67	33.33	0.00	0.00	40.00	26.67	33.33	0.00	0.00		
14. Phakoup	23	5	40.00	60.00	0.00	0.00	40.00	60.00	0.00	12	66.67	25.00	8.33	0.00	75.00	25.00	0.00	0.00	0.00		
15. Sivilai	6	4	100.00	0.00	0.00	0.00	100.00	0.00	0.00	1	100.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00		
Sub-total or Average	357	154	85.71	12.34	1.30	0.65	35.71	47.40	16.23	0.65	76	77.63	18.42	3.95	42.11	36.84	21.05	0.00	0.00		
Model Area Total or Ave.	585	264	90.91	7.95	0.76	0.38	38.26	40.53	20.45	0.76	215	91.63	6.98	1.40	40.47	35.35	23.72	0.17	0.17		

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-3-42 (2/2) Sufficiency of Livestock Feeds

Village	Sample H'hold (No.)	Owner H'hold (No.)	Sufficiency for Goats											
			Wet Season						Dry Season					
			Suffi- cient (%)	Just Enough (%)	Short (%)	Very Short (%)	Suffi- cient (%)	Just Enough (%)	Short (%)	Very Short (%)				
Namoun Area														
1. Vangmiang	21	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Namon-Tai	31	5	80.00	20.00	0.00	0.00	60.00	20.00	20.00	20.00	0.00	0.00	0.00	0.00
3. Namon-Nua	24	6	100.00	0.00	0.00	0.00	66.67	0.00	33.33	0.00	0.00	0.00	0.00	0.00
4. Phonsavang	22	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Phonkeo	28	3	100.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Ngiou	11	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Nalao	17	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. Nakhom	7	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Phongnang	6	2	100.00	0.00	0.00	0.00	50.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00
10. Nangeun-Nua	10	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Nangeun-Tai	14	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. Vanghua	23	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Houaysan	8	1	100.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Nampath-Nua	6	1	100.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	228	18	94.44	5.56	0.00	0.00	72.22	5.56	22.22	5.56	22.22	0.00	0.00	0.00
Somboun Area														
1. Houaymo-Nua	11	1	100.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Houaymo-Tai	17	2	100.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Thahua-Nua	42	2	100.00	0.00	0.00	0.00	50.00	50.00	50.00	0.00	0.00	0.00	0.00	0.00
4. Thahua-Tai	30	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Houaypamom	45	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Somsanouk	49	4	100.00	0.00	0.00	0.00	50.00	50.00	25.00	25.00	0.00	0.00	0.00	0.00
7. Nampat	11	1	100.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
8. Vangkhi	34	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Phonthong	7	1	100.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Taathan	16	3	100.00	0.00	0.00	0.00	0.00	0.00	33.33	66.67	0.00	0.00	0.00	0.00
11. Nampath-Tai	8	1	100.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. Houayxi	14	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Namphao	44	2	100.00	0.00	0.00	0.00	50.00	50.00	50.00	0.00	0.00	0.00	0.00	0.00
14. Phakoup	23	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15. Sivilai	6	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	357	17	100.00	0.00	0.00	0.00	52.94	29.41	17.65	17.65	0.00	0.00	0.00	0.00
Model Area Total or Ave.	585	35	97.14	2.86	0.00	0.00	62.86	17.14	20.00	0.00	0.00	0.00	0.00	0.00

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-3-43 (1/3) Number of Owner Households of Horticulture Trees (Result of Household Survey)

Village	Sample H/hold (No)	Orange		Lime		Lemon		Mango		Papaya		Coconut		Banana		Mangosteen	
		(No.)	(%)	(No.)	(%)	(No.)	(%)	(No.)	(%)	(No.)	(%)	(No.)	(%)	(No.)	(%)	(No.)	(%)
Namon Area																	
1. Vangmiang	21	5	23.81	0	0.00	5	23.81	8	38.10	11	52.38	16	76.19	12	57.14	0	0.00
2. Namon-Tai	31	3	9.68	0	0.00	6	19.35	13	41.94	9	29.03	14	45.16	12	38.71	0	0.00
3. Namon-Nua	24	6	25.00	1	4.17	1	4.17	13	54.17	4	16.67	4	16.67	9	37.50	0	0.00
4. Phonsavang	22	1	4.55	0	0.00	0	0.00	8	36.36	2	9.09	8	36.36	3	13.64	0	0.00
5. Phonkeo	28	2	7.14	1	3.57	0	0.00	19	67.86	5	17.86	4	14.29	17	60.71	0	0.00
6. Ngiou	11	1	9.09	0	0.00	4	36.36	8	72.73	2	18.18	11	100.00	6	54.55	0	0.00
7. Nalao	17	2	11.76	1	5.88	1	5.88	10	58.82	1	5.88	14	82.35	6	35.29	0	0.00
8. Nakhom	7	0	0.00	1	14.29	0	0.00	2	28.57	0	0.00	6	85.71	1	14.29	0	0.00
9. Phongnang	6	1	16.67	0	0.00	1	16.67	4	66.67	0	0.00	3	50.00	1	16.67	0	0.00
10. Nangeun-Nua	10	0	0.00	0	0.00	1	10.00	1	10.00	1	10.00	0	0.00	3	30.00	0	0.00
11. Nangeun-Tai	14	4	28.57	2	14.29	0	0.00	10	71.43	5	35.71	1	7.14	6	42.86	0	0.00
12. Vanghua	23	8	34.78	1	4.35	6	26.09	11	47.83	8	34.78	20	86.96	12	52.17	0	0.00
13. Houaysan	8	2	25.00	0	0.00	0	0.00	3	37.50	3	37.50	3	37.50	3	37.50	0	0.00
14. Nampath-Nua	6	2	33.33	0	0.00	0	0.00	6	100.00	0	0.00	0	0.00	1	16.67	0	0.00
Sub-total or Average	228	37	16.23	7	3.07	25	10.96	116	50.88	51	22.37	104	45.61	92	40.35	0	0.00
Somboun Area																	
1. Houaymo-Nua	11	1	9.09	0	0.00	0	0.00	4	36.36	2	18.18	3	27.27	8	72.73	0	0.00
2. Houaymo-Tai	17	1	5.88	0	0.00	3	17.65	7	41.18	2	11.76	10	58.82	8	47.06	0	0.00
3. Thahua-Nua	42	0	0.00	0	0.00	3	7.14	9	21.43	2	4.76	4	9.52	7	16.67	0	0.00
4. Thahua-Tai	30	0	0.00	0	0.00	2	6.67	2	6.67	1	3.33	6	20.00	6	20.00	0	0.00
5. Houaypamom	45	5	11.11	1	2.22	2	4.44	16	35.56	7	15.56	11	24.44	14	31.11	0	0.00
6. Somsanouk	49	6	12.24	2	4.08	11	22.45	29	59.18	15	30.61	11	22.45	27	55.10	0	0.00
7. Nampat	11	1	9.09	0	0.00	0	0.00	7	63.64	4	36.36	4	36.36	4	36.36	0	0.00
8. Vangkhi	34	1	2.94	1	2.94	3	8.82	12	35.29	7	20.59	27	79.41	10	29.41	0	0.00
9. Phonthong	7	3	42.86	1	14.29	3	42.86	4	57.14	5	71.43	4	57.14	3	42.86	0	0.00
10. Taouthan	16	1	6.25	0	0.00	1	6.25	6	37.50	2	12.50	5	31.25	8	50.00	0	0.00
11. Nampath-Tai	8	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
12. Houayxi	14	0	0.00	0	0.00	0	0.00	1	7.14	0	0.00	0	0.00	1	7.14	0	0.00
13. Namphao	44	0	0.00	1	2.27	4	9.09	4	9.09	2	4.55	3	6.82	8	18.18	0	0.00
14. Phakoup	23	0	0.00	0	0.00	1	4.35	2	8.70	2	8.70	0	0.00	4	17.39	0	0.00
15. Sivilai	6	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Sub-total or Average	357	19	5.32	6	1.68	33	9.24	103	28.85	51	14.29	88	24.65	108	30.25	0	0.00
Model Area Total or Ave.	585	56	9.57	13	2.22	58	9.91	219	37.44	102	17.44	192	32.82	200	34.19	0	0.00

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-3-43 (2/3) Number of Owner Households of Horticulture Trees (Result of Household Survey)

Village	Sample Household (No)	Jackfruits (No.) (%)	Leichi (No.) (%)	Guava (No.) (%)	Coffee (No.) (%)	Rambutan (No.) (%)	Tamarind (No.) (%)	Mak Namnom (No.) (%)	Mak Phuk (No.) (%)
Namon Area									
1. Vangmiang	21	4 19.05	0 0.00	9 42.86	0 0.00	0 0.00	12 57.14	2 9.52	0 0.00
2. Namon-Tai	31	3 9.68	0 0.00	4 12.90	0 0.00	0 0.00	12 38.71	0 0.00	0 0.00
3. Namon-Nua	24	5 20.83	0 0.00	6 25.00	0 0.00	0 0.00	9 37.50	0 0.00	0 0.00
4. Phonsavang	22	3 13.64	1 4.55	3 13.64	0 0.00	0 0.00	3 13.64	0 0.00	0 0.00
5. Phonkeo	28	7 25.00	0 0.00	23 82.14	0 0.00	0 0.00	13 46.43	3 10.71	0 0.00
6. Ngiou	11	1 9.09	0 0.00	5 45.45	0 0.00	0 0.00	7 63.64	8 72.73	0 0.00
7. Nalao	17	2 11.76	0 0.00	3 17.65	0 0.00	0 0.00	8 47.06	2 11.76	0 0.00
8. Nakhom	7	1 14.29	0 0.00	0 0.00	0 0.00	0 0.00	1 14.29	1 14.29	0 0.00
9. Phongnang	6	2 33.33	0 0.00	1 16.67	0 0.00	0 0.00	2 33.33	2 33.33	0 0.00
10. Nangeun-Nua	10	0 0.00	0 0.00	1 10.00	0 0.00	0 0.00	1 10.00	0 0.00	0 0.00
11. Nangeun-Tai	14	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	3 21.43	0 0.00	0 0.00
12. Vanghua	23	4 17.39	0 0.00	9 39.13	0 0.00	0 0.00	13 56.52	5 21.74	0 0.00
13. Houaysan	8	1 12.50	0 0.00	1 12.50	0 0.00	0 0.00	2 25.00	1 12.50	0 0.00
14. Nampath-Nua	6	1 16.67	0 0.00	3 50.00	0 0.00	0 0.00	0 0.00	1 16.67	0 0.00
Sub-total or Average	228	34 14.91	1 0.44	68 29.82	0 0.00	0 0.00	86 37.72	25 10.96	0 0.00
Somboun Area									
1. Houaymo-Nua	11	1 9.09	0 0.00	2 18.18	0 0.00	0 0.00	1 9.09	1 9.09	0 0.00
2. Houaymo-Tai	17	7 41.18	0 0.00	5 29.41	0 0.00	0 0.00	5 29.41	2 11.76	0 0.00
3. Thahua-Nua	42	5 11.90	0 0.00	2 4.76	0 0.00	0 0.00	7 16.67	1 2.38	0 0.00
4. Thahua-Tai	30	2 6.67	0 0.00	3 10.00	0 0.00	0 0.00	3 10.00	0 0.00	0 0.00
5. Houaypanom	45	3 6.67	0 0.00	5 11.11	0 0.00	0 0.00	10 22.22	1 2.22	0 0.00
6. Somsanouk	49	8 16.33	0 0.00	9 18.37	0 0.00	0 0.00	13 26.53	6 12.24	0 0.00
7. Nampat	11	3 27.27	0 0.00	1 9.09	0 0.00	0 0.00	1 9.09	1 9.09	0 0.00
8. Vangkhi	34	9 26.47	0 0.00	4 11.76	0 0.00	0 0.00	7 20.59	3 8.82	0 0.00
9. Phonthong	7	3 42.86	0 0.00	3 42.86	0 0.00	1 14.29	3 42.86	1 14.29	0 0.00
10. Taathan	16	3 18.75	0 0.00	3 18.75	0 0.00	0 0.00	3 18.75	1 6.25	1 6.25
11. Nampath-Tai	8	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00
12. Houayxi	14	1 7.14	0 0.00	0 0.00	0 0.00	0 0.00	1 7.14	0 0.00	0 0.00
13. Namphao	44	1 2.27	0 0.00	1 2.27	0 0.00	0 0.00	3 6.82	0 0.00	0 0.00
14. Phakoup	23	2 8.70	0 0.00	1 4.35	0 0.00	0 0.00	1 4.35	0 0.00	0 0.00
15. Sivilai	6	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00
Sub-total or Average	357	48 13.45	0 0.00	39 10.92	0 0.00	1 0.28	58 16.25	17 4.76	1 0.28
Model Area Total or Ave.	585	82 14.02	1 0.17	107 18.29	0 0.00	1 0.17	144 24.62	42 7.18	1 0.17

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-3-43 (3/3) Number of Owner Households of Horticulture Trees (Result of Household Survey)

Village	Sample H/hold (No.)	Mone Kay (No.)	Longan (%)	Kathanh (No.)	Mak Gnom (%)	Mak Feuang (No.)	Sugar Cane (%)	Kapok tree (No.)	Mak Fang (%)
Namon Area									
1. Vangmiang	21	0	0.00	0	0.00	0	4.76	0	0.00
2. Namon-Tai	31	0	6.45	1	3.23	2	6.45	0	0.00
3. Namon-Nua	24	0	8.33	1	4.17	0	0.00	0	0.00
4. Phonsavang	22	0	4.55	0	0.00	0	0.00	0	0.00
5. Phonkeo	28	0	14.29	0	0.00	0	0.00	0	0.00
6. Ngiou	11	0	0.00	0	0.00	0	0.00	0	0.00
7. Nalao	17	0	5.88	0	0.00	1	5.88	0	0.00
8. Nakhom	7	0	0.00	0	0.00	0	0.00	0	0.00
9. Phongnang	6	0	0.00	0	0.00	1	16.67	0	0.00
10. Nangeun-Nua	10	0	0.00	0	0.00	0	0.00	0	0.00
11. Nangeun-Tai	14	0	0.00	0	0.00	0	0.00	0	0.00
12. Vanghua	23	0	0.00	0	0.00	0	0.00	0	4.35
13. Houaysan	8	0	0.00	0	0.00	0	0.00	0	0.00
14. Nampath-Nua	6	0	0.00	0	0.00	0	0.00	0	0.00
Sub-total or Average	228	0	4.39	2	0.88	4	1.75	2	0.88
Somboun Area									
1. Houaymo-Nua	11	0	0.00	0	0.00	0	0.00	0	0.00
2. Houaymo-Tai	17	0	0.00	1	5.88	0	0.00	0	0.00
3. Thahua-Nua	42	0	0.00	0	0.00	0	0.00	0	0.00
4. Thahua-Tai	30	0	0.00	0	0.00	0	0.00	0	0.00
5. Houaypamom	45	1	2.22	0	0.00	0	2.22	0	0.00
6. Somsanouk	49	0	0.00	1	2.04	0	2.04	0	0.00
7. Nampat	11	0	0.00	1	9.09	0	0.00	0	0.00
8. Vangkhi	34	0	0.00	0	0.00	1	2.94	0	0.00
9. Phonthong	7	0	0.00	0	0.00	0	0.00	0	0.00
10. Taotnan	16	0	0.00	1	6.25	0	0.00	0	0.00
11. Nampath-Tai	8	0	0.00	0	0.00	0	0.00	0	0.00
12. Houayxi	14	0	0.00	0	0.00	0	0.00	0	0.00
13. Namphao	44	0	0.00	1	2.27	0	0.00	0	0.00
14. Phakoup	23	0	0.00	1	4.35	0	0.00	2	8.70
15. Sivilai	6	0	0.00	0	0.00	0	0.00	0	0.00
Sub-total or Average	357	1	0.28	5	1.40	0	0.00	2	0.56
Model Area Total or Ave.	585	1	0.17	15	2.56	4	0.68	2	0.34

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-3-44 Household Monthly Cash Expenditure by Categories (Result of Household Survey)

Village	Sample H/hold (No)	Monthly Cash Expenditure (Average)				Annual Cash Exp.		Percentage Distribution of Cash Expenditure				
		Food/ Month (Kip)	Clothes/ Education/ Month (Kip)	Others/ Month (Kip)	Total/ Month (Kip)	Total Cash Exp. (Kip)	Compa- rison (MA=100)	Ave. Food (%)	Ave. Clothes (%)	Ave. Education (%)	Ave. Others (%)	Total Ave. (%)
Namon Area												
1. Vangmiang	21	26,948	7,524	3,914	5,248	43,633	103.6	61.8	17.2	9.0	12.0	100.0
2. Namon-Tai	31	42,032	6,194	3,229	4,213	55,668	132.2	75.5	11.1	5.8	7.6	100.0
3. Namon-Nua	24	11,033	6,021	1,875	5,388	24,317	291.804	45.4	24.8	7.7	22.2	100.0
4. Phonsavang	22	68,977	9,773	6,045	4,864	89,659	1,075,908	76.9	10.9	6.7	5.4	100.0
5. Phonkeo	28	12,107	7,214	2,154	3,650	25,125	301,500	59.7	28.7	8.6	14.5	100.0
6. Ngrou	11	19,455	8,091	4,500	7,145	39,191	470,292	49.6	20.6	11.5	18.2	100.0
7. Nalao	17	17,088	5,735	3,647	4,418	30,888	370,656	73.3	18.6	11.8	14.3	100.0
8. Nakhom	7	23,786	4,571	2,000	5,429	35,786	429,432	66.5	12.8	5.6	15.2	100.0
9. Phongnang	6	31,500	4,833	2,000	3,750	42,083	504,996	99.9	11.5	4.8	8.9	100.0
10. Nangeun-Nua	10	15,438	2,380	700	2,140	20,658	247,896	49.0	11.5	3.4	10.4	100.0
11. Nangeun-Tai	14	7,514	6,179	1,536	9,593	24,821	297,852	58.9	24.9	6.2	38.6	100.0
12. Vanghua	23	38,130	7,752	4,543	6,543	56,970	683,640	135.3	13.6	8.0	11.5	100.0
13. Houaysan	8	20,750	5,125	1,938	4,063	31,875	382,500	75.7	16.1	6.1	12.7	100.0
14. Nampath-Nua	6	18,142	2,417	1,033	2,000	23,592	283,104	56.0	10.2	4.4	8.5	100.0
Sub-total or Average	228	27,463	6,593	3,126	5,018	42,201	506,412	100.2	15.6	7.4	11.9	100.0
Somboun Area												
1. Houaymo-Nua	11	32,505	5,591	2,364	4,000	44,459	533,508	105.6	73.1	12.6	5.3	100.0
2. Houaymo-Tai	17	48,382	7,471	4,676	9,771	70,300	843,600	166.9	68.8	10.6	6.7	100.0
3. Thahua-Nua	42	45,219	11,038	4,426	10,724	71,407	856,884	169.5	63.3	15.5	6.2	100.0
4. Thahua-Tai	30	36,933	4,633	1,277	9,083	51,927	623,124	123.3	71.1	8.9	2.5	100.0
5. Houaypamom	45	32,356	3,767	1,500	4,549	42,171	506,052	100.1	76.7	8.9	3.6	100.0
6. Somsanouk	49	11,755	3,480	683	3,870	19,788	237,456	47.0	59.4	17.6	3.5	100.0
7. Nampat	11	5,682	5,891	1,205	4,545	17,323	207,876	41.1	32.8	34.0	7.0	100.0
8. Vangghi	34	17,050	6,903	1,725	4,218	29,896	358,752	71.0	57.0	23.1	5.8	100.0
9. Phonthong	7	5,857	5,893	2,143	2,214	16,107	193,284	38.2	36.4	36.6	13.3	100.0
10. Taothan	16	21,594	2,531	953	1,422	26,500	318,000	62.9	81.5	9.6	3.6	100.0
11. Nampath-Tai	8	11,375	4,250	2,100	2,756	20,481	245,772	48.6	55.5	20.8	10.3	100.0
12. Houayxi	14	20,250	5,400	1,204	2,289	29,143	349,716	69.2	69.5	18.5	4.1	100.0
13. Namphao	44	34,475	7,291	1,652	6,475	49,893	598,716	118.5	69.1	14.6	3.3	100.0
14. Phakoup	23	29,827	9,691	946	9,748	50,212	602,544	119.2	59.4	19.3	1.9	100.0
15. Sivilai	6	22,333	6,167	667	11,500	40,667	488,004	96.6	54.9	15.2	1.6	100.0
Sub-total or Average	357	27,897	6,170	1,862	6,138	42,068	504,816	99.9	66.3	14.7	4.4	100.0
Model Area Total or Ave.	585	27,728	6,335	2,355	5,702	42,119	505,428	100.0	65.8	15.0	5.6	100.0

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-4-1 Peoples' Involvement in Different Activities and Desire to Make Activities Easy

Model Area - Overall

Activities	Involvement in Activities						Activities Make Easy	
	Usually	Male N=423		Usually	Female N=451		Male N=423	Female N=451
		(%)	Some Time (%)		None (%)	(%)	Some Time (%)	(Score)
1. Fetching of drinking water	19.39	53.90	26.71	63.56	26.44	10.00	35.9	54.5
2. Cooking	10.87	68.79	20.33	67.26	29.42	3.32	7.2	19.8
3. Washing	13.95	53.66	32.39	66.30	29.27	4.43	6.1	14.8
4. Sweeping the house	14.42	66.67	18.91	68.07	29.71	2.22	5.2	12.1
5. House repair	61.85	31.28	6.87	5.76	20.62	73.61	21.3	5.5
6. Child/elderly care	24.82	58.39	16.78	62.97	30.38	6.65	11.2	21.4
7. Kitchen gardening	26.71	39.95	33.33	33.70	38.36	27.94	6.4	6.6
8. Sewing and knitting	3.55	6.86	89.60	35.70	43.46	20.84	0.9	7.8
9. Shopping in market	6.62	33.81	59.57	51.22	32.37	16.41	4.4	11.8
10. Plowing (Na)	27.25	5.69	67.06	1.55	0.89	97.56	25.2	1.9
11. Seeding/ transplanting (Na)	22.22	14.89	62.88	13.30	17.74	68.96	7.0	11.9
12. Weeding (Na)	16.55	18.20	65.25	4.46	18.53	77.01	4.0	2.8
13. Application of chemical fertilizers (Na)	4.55	4.78	90.67	1.35	4.28	94.37	0.2	0.1
14. Harvesting (Na)	22.70	14.89	62.41	16.41	17.74	65.85	13.9	13.6
15. Repairing of farm (Na)	19.39	17.49	63.12	3.33	16.19	80.49	1.7	0.7
16. Slashing (Hai)	45.15	9.93	44.92	27.37	17.00	55.63	32.2	21.4
17. Burning (Hai)	46.34	7.33	46.34	19.78	8.67	71.56	1.8	0.8
18. Clearing (Hai)	43.50	11.11	45.39	24.00	18.00	58.00	1.9	3.0
19. Fencing (Hai)	42.89	10.43	46.68	18.76	15.01	66.23	6.6	1.8
20. Seeding (Hai)	40.14	14.49	45.37	34.15	15.74	50.11	8.8	10.4
21. Weeding (Hai)	39.06	17.18	43.76	31.11	20.44	48.44	11.9	12.1
22. Harvesting (Hai)	39.62	16.47	43.91	35.03	17.52	47.45	11.2	7.5
23. Grazing control	27.01	27.96	45.02	7.37	25.45	67.19	6.8	2.4
24. Feeding	23.70	50.95	25.36	27.49	47.01	25.50	3.4	5.3
25. Watering	22.70	49.41	27.90	26.99	45.13	27.88	2.0	2.5
26. Collection/ production of fodder	15.26	20.66	64.08	2.67	14.25	83.07	0.7	0.1
27. Sweeping of livestock & poultry stall	22.70	42.32	34.99	11.11	29.56	59.33	1.6	0.4
28. Fish catching in dam reservoir	18.78	14.55	66.67	2.00	9.53	88.47	4.3	0.5
29. Fish catching in river	33.18	37.18	29.65	4.21	29.05	66.74	6.6	1.9
30. Fish production in pond	5.67	7.80	86.52	0.89	5.35	93.76	1.7	0.0
31. Repairing of fishing gear	24.47	40.00	35.53	1.55	12.42	86.03	2.6	0.2
32. Maintenance of boat / engine	16.08	16.55	67.38	0.44	5.11	94.44	1.7	0.2
33. Maintenance of pond	5.91	6.86	87.23	0.45	5.58	93.97	0.3	0.1
34. Collection of fuel wood	53.18	31.29	15.53	43.11	40.00	16.89	21.7	22.2
35. Collection of forest vegetable/crops	15.09	56.60	28.30	36.44	48.67	14.89	1.1	2.4
36. Timber harvest	0.71	3.06	96.24	0.00	0.44	99.56	0.0	0.0
37. Charcoal production	0.47	0.47	99.06	0.22	0.00	99.78	0.0	0.0
38. Threshing of cereals	57.31	21.46	21.23	37.33	25.11	37.56	12.1	8.2
39. Processing livestock & poultry products	8.49	29.25	62.26	11.78	26.89	61.33	0.5	0.4
40. Processing fishes	7.08	37.03	55.90	15.78	46.22	38.00	0.2	0.8
41. Processing of forest vegetables/crops	6.35	33.88	59.76	16.00	50.22	33.78	0.1	0.5
42. Selling crops	8.27	23.17	68.56	17.26	32.06	50.67	0.3	0.9
43. Selling livestock & poultry products	14.86	38.44	46.70	15.81	35.86	48.33	0.8	0.2
44. Selling fishes & fishery products	12.53	18.20	69.27	9.13	17.37	73.50	0.4	0.4
45. Selling forest vegetables/crops	5.90	19.58	74.53	11.56	31.11	57.33	0.2	0.2
46. Selling of fuel wood/charcoal	0.94	1.65	97.41	0.22	2.00	97.77	0.2	0.0
47. Rice mill	3.54	1.42	95.05	1.11	1.33	97.56	0.4	0.2
48. Trading	5.67	6.86	87.47	5.78	7.78	86.44	1.1	0.8
49. Shop keeping	2.83	4.72	92.45	4.91	3.79	91.29	0.1	0.4
50. Hand craft	1.18	6.86	91.96	13.75	7.32	78.94	0.4	1.9
51. Attending community meetings	59.43	34.91	5.66	17.82	67.26	14.92	0.0	0.0
52. Resolving in-village conflicts	20.52	38.68	40.80	2.00	24.44	73.56	0.0	0.0
53. Getting information from TV	18.48	41.94	39.57	14.67	37.11	48.22	0.0	0.0
54. Getting information from Radio	26.30	52.37	21.33	20.00	49.33	30.67	0.0	0.0
55. Political discussion with others	13.95	38.77	47.28	2.00	12.22	85.78	0.0	0.0
56. Official letter writing	3.32	9.48	87.20	0.44	3.11	96.44	0.0	0.0
57. Dance party	25.06	56.74	18.20	12.20	54.32	33.48	0.0	0.0
58. Picnic	5.94	30.17	63.90	2.46	18.30	79.24	0.0	0.0
59. Worship ceremony	25.59	59.00	15.40	23.44	56.70	19.87	0.0	0.0
60. Sport events	6.13	23.82	70.05	0.67	2.89	96.44	0.0	0.0
61. Playing music	0.94	8.25	90.80	0.00	1.33	98.67	0.0	0.0
62. Drawing	0.24	3.77	95.99	0.00	0.44	99.56	0.0	0.0

Source: Socio-economic Baseline Survey, JICA Study Team

Table 3-4-2 Peoples' Involvement in Different Activities and Desire to Make Activities Easy

Namon Area - Overall

Activities	Involvement in Activities						Activities Make Easy	
	Male N=173			Female N=165			Male N=173	Female N=165
	Usually (%)	Some Time (%)	None (%)	Usually (%)	Some Time (%)	None (%)	(Score)	(Score)
1. Fetching of drinking water	17.92	60.69	21.39	52.73	40.00	7.27	36.3	55.8
2. Cooking	6.36	78.61	15.03	58.79	41.21	0.00	6.6	16.6
3. Washing	8.09	67.63	24.28	55.76	41.21	3.03	11.1	21.9
4. Sweeping the house	8.09	75.72	16.18	58.18	40.00	1.82	3.5	4.1
5. House repair	71.68	21.97	6.36	6.06	19.39	74.55	16.9	7.8
6. Child/elderly care	15.03	71.68	13.29	52.12	43.03	4.85	3.9	14.8
7. Kitchen gardening	28.32	58.96	12.72	27.27	56.97	15.76	5.5	8.1
8. Sewing and knitting	2.89	4.62	92.49	33.33	51.52	15.15	1.6	13.8
9. Shopping in market	3.47	40.46	56.07	41.21	40.61	18.18	5.2	9.8
10. Plowing (Na)	52.02	10.40	37.57	4.24	1.21	94.55	49.9	4.5
11. Seeding/ transplanting (Na)	36.99	31.79	31.21	24.85	40.00	35.15	12.6	25.0
12. Weeding (Na)	28.32	36.99	34.68	9.15	36.59	54.27	5.9	5.5
13. Application of chemical fertilizers (Na)	5.78	10.98	83.24	3.03	8.48	88.48	0.5	0.0
14. Harvesting (Na)	39.31	31.21	29.48	28.48	36.36	35.15	27.2	29.8
15. Repairing of farm (Na)	34.68	34.68	30.64	6.67	33.33	60.00	3.1	0.6
16. Slashing (Hai)	24.28	8.09	67.63	12.73	13.94	73.33	13.4	9.9
17. Burning (Hai)	23.26	8.72	68.02	3.03	7.88	89.09	0.5	0.4
18. Clearing (Hai)	20.81	11.56	67.63	6.67	16.97	76.36	1.6	1.9
19. Fencing (Hai)	21.97	10.40	67.63	4.24	15.15	80.61	1.5	1.2
20. Seeding (Hai)	20.23	12.14	67.63	18.18	15.15	66.67	3.0	3.3
21. Weeding (Hai)	19.08	15.61	65.32	12.73	20.00	67.27	2.8	2.9
22. Harvesting (Hai)	18.60	16.28	65.12	18.79	15.76	65.45	8.0	5.3
23. Grazing control	32.37	40.46	27.17	5.49	38.41	56.10	7.3	2.2
24. Feeding	26.01	63.58	10.40	23.03	70.30	6.67	3.7	4.4
25. Watering	26.59	64.74	8.67	26.67	66.67	6.67	2.3	1.5
26. Collection/ production of fodder	16.18	39.31	44.51	4.24	23.03	72.73	0.7	0.1
27. Sweeping of livestock & poultry stall	25.43	61.27	13.29	7.88	44.85	47.27	1.7	0.4
28. Fish catching in dam reservoir	0.58	5.20	94.22	1.20	3.59	95.21	0.3	0.0
29. Fish catching in river	29.48	56.07	14.45	5.42	55.42	39.16	11.1	3.6
30. Fish production in pond	6.36	15.61	78.03	1.82	13.33	84.85	1.0	0.1
31. Repairing of fishing gear	20.81	42.20	36.99	1.21	19.39	79.39	1.5	0.0
32. Maintenance of boat / engine	0.58	2.89	96.53	0.00	1.82	98.18	0.0	0.0
33. Maintenance of pond	4.02	14.37	81.61	0.61	13.33	86.06	0.0	0.1
34. Collection of fuel wood	59.54	31.79	8.67	24.24	61.82	13.94	23.8	22.3
35. Collection of forest vegetable/crops	10.40	63.01	26.59	27.88	61.82	10.30	1.8	2.2
36. Timber harvest	0.58	4.05	95.38	0.00	1.21	98.79	0.1	0.0
37. Charcoal production	0.58	0.00	99.42	0.00	0.00	100.00	0.0	0.0
38. Threshing of cereals	54.34	29.48	16.18	32.12	35.76	32.12	18.2	13.7
39. Processing livestock & poultry products	1.73	43.35	54.91	9.09	44.85	46.06	0.7	0.2
40. Processing fishes	2.31	49.71	47.98	11.52	67.27	21.21	0.0	0.5
41. Processing of forest vegetables/crops	2.31	43.35	54.34	12.12	74.55	13.33	0.3	0.4
42. Selling crops	4.65	24.42	70.93	18.29	41.46	40.24	0.3	0.6
43. Selling livestock & poultry products	14.37	51.72	33.91	16.27	49.40	34.34	1.8	0.0
44. Selling fishes & fishery products	2.31	21.39	76.30	6.67	22.42	70.91	0.1	0.0
45. Selling forest vegetables/crops	4.05	23.70	72.25	10.91	49.09	40.00	0.3	0.4
46. Selling of fuel wood/charcoal	0.58	2.89	96.53	0.61	2.42	96.97	0.0	0.0
47. Rice mill	4.62	3.47	91.91	1.21	1.82	96.97	0.7	0.6
48. Trading	3.47	10.98	85.55	3.03	13.33	83.64	1.0	0.4
49. Shop keeping	2.89	8.09	89.02	3.03	7.27	89.70	0.0	0.1
50. Hand craft	0.58	12.79	86.63	14.46	13.86	71.69	0.1	3.3
51. Attending community meetings	52.33	43.02	4.65	9.76	73.17	17.07	0.0	0.0
52. Resolving in-village conflicts	19.19	48.26	32.56	1.82	35.15	63.03	0.0	0.0
53. Getting information from TV	13.45	33.92	52.63	7.32	29.27	63.41	0.0	0.0
54. Getting information from Radio	20.35	64.53	15.12	10.30	63.03	26.67	0.0	0.0
55. Political discussion with others	12.79	47.09	40.12	1.21	11.52	87.27	0.0	0.0
56. Official letter writing	4.65	13.37	81.98	0.61	5.45	93.94	0.0	0.0
57. Dance party	12.79	65.70	21.51	3.64	55.76	40.61	0.0	0.0
58. Picnic	2.33	37.21	60.47	0.00	19.63	80.37	0.0	0.0
59. Worship ceremony	18.02	66.28	15.70	14.63	64.02	21.34	0.0	0.0
60. Sport events	4.05	30.64	65.32	0.00	4.24	95.76	0.0	0.0
61. Playing music	0.58	14.45	84.97	0.00	2.42	97.58	0.0	0.0
62. Drawing	0.58	6.36	93.06	0.00	0.61	99.39	0.0	0.0

Source: Socio-economic Baseline Survey, JICA Study Team

Table 3-4.3 Peoples' Involvement In Different Activities and Desire to Make Activities Easy

Somboun Area - Overall

Activities	Involvement in Activities						Activities Make Easy	
	Male N=250			Female N=286			Male N=250	Female N=286
	Usually (%)	Some Time (%)	None (%)	Usually (%)	Some Time (%)	None (%)	(Score)	(Score)
1. Fetching of drinking water	20.40	49.20	30.40	69.82	18.60	11.58	35.6	53.8
2. Cooking	14.00	62.00	24.00	72.13	22.65	5.23	7.7	21.7
3. Washing	18.00	44.00	38.00	72.38	22.38	5.24	2.6	10.7
4. Sweeping the house	18.80	60.40	20.80	73.78	23.78	2.45	6.4	16.6
5. House repair	55.02	37.75	7.23	5.59	21.33	73.08	24.4	4.3
6. Child/elderly care	31.60	49.20	19.20	69.23	23.08	7.69	16.2	25.2
7. Kitchen gardening	25.60	26.80	47.60	37.41	27.62	34.97	7.0	5.7
8. Sewing and knitting	4.00	8.40	87.60	37.06	38.81	24.13	0.5	4.4
9. Shopping in market	8.80	29.20	62.00	56.99	27.62	15.38	3.9	13.0
10. Plowing (Na)	10.04	2.41	87.55	0.00	0.70	99.30	8.1	0.3
11. Seeding/ transplanting (Na)	12.00	3.20	84.80	6.64	4.90	88.46	3.2	4.4
12. Weeding (Na)	8.40	5.20	86.40	1.76	8.10	90.14	2.7	1.3
13. Application of chemical fertilizers (Na)	3.67	0.41	95.92	0.36	1.79	97.85	0.0	0.1
14. Harvesting (Na)	11.20	3.60	85.20	9.44	6.99	83.57	4.6	4.3
15. Repairing of farm (Na)	8.80	5.60	85.60	1.40	6.29	92.31	0.8	0.7
16. Slashing (Hai)	59.60	11.20	29.20	35.76	18.75	45.49	45.1	28.0
17. Burning (Hai)	62.15	6.37	31.47	29.47	9.12	61.40	2.8	1.1
18. Clearing (Hai)	59.20	10.80	30.00	34.04	18.60	47.37	2.2	3.6
19. Fencing (Hai)	57.43	10.44	32.13	27.08	14.93	57.99	10.1	2.2
20. Seeding (Hai)	54.03	16.13	29.84	43.36	16.08	40.56	12.9	14.5
21. Weeding (Hai)	52.78	18.25	28.97	41.75	20.70	37.54	18.2	17.3
22. Harvesting (Hai)	54.25	16.60	29.15	44.41	18.53	37.06	13.4	8.7
23. Grazing control	23.29	19.28	57.43	8.45	17.96	73.59	6.5	2.5
24. Feeding	22.09	42.17	35.74	30.07	33.57	36.36	3.2	5.8
25. Watering	20.00	38.80	41.20	27.18	32.75	40.07	1.8	3.1
26. Collection/ production of fodder	14.62	7.91	77.47	1.76	9.15	89.08	0.7	0.1
27. Sweeping of livestock & poultry stall	20.80	29.20	50.00	12.98	20.70	66.32	1.4	0.5
28. Fish catching in dam reservoir	31.23	20.95	47.83	2.46	13.03	84.51	7.0	0.8
29. Fish catching in river	35.71	24.21	40.08	3.51	13.68	82.81	3.4	0.8
30. Fish production in pond	5.20	2.40	92.40	0.35	0.70	98.94	2.1	0.0
31. Repairing of fishing gear	26.98	38.49	34.52	1.75	8.39	89.86	3.3	0.3
32. Maintenance of boat / engine	26.80	26.00	47.20	0.70	7.02	92.28	2.9	0.3
33. Maintenance of pond	7.23	1.61	91.16	0.35	1.06	98.59	0.6	0.1
34. Collection of fuel wood	48.81	30.95	20.24	54.04	27.37	18.60	20.2	22.2
35. Collection of forest vegetable/crops	18.33	52.19	29.48	41.40	41.05	17.54	0.6	2.6
36. Timber harvest	0.79	2.38	96.83	0.00	0.00	100.00	0.0	0.0
37. Charcoal production	0.40	0.80	98.80	0.35	0.00	99.65	0.0	0.0
38. Threshing of cereals	59.36	15.94	24.70	40.35	18.95	40.70	7.9	5.1
39. Processing livestock & poultry products	13.15	19.52	67.33	13.33	16.49	70.18	0.3	0.4
40. Processing fishes	10.36	28.29	61.35	18.25	34.04	47.72	0.3	0.9
41. Processing of forest vegetables/crops	9.13	27.38	63.49	18.25	36.14	45.61	0.0	0.6
42. Selling crops	10.76	22.31	66.93	16.67	26.60	56.74	0.3	1.0
43. Selling livestock & poultry products	15.20	29.20	55.60	15.55	27.92	56.54	0.1	0.3
44. Selling fishes & fishery products	19.60	16.00	64.40	10.56	14.44	75.00	0.6	0.7
45. Selling forest vegetables/crops	7.17	16.73	76.10	11.93	20.70	67.37	0.1	0.1
46. Selling of fuel wood/charcoal	1.20	0.80	98.01	0.00	1.76	98.24	0.4	0.0
47. Rice mill	2.79	0.00	97.21	1.05	1.05	97.89	0.2	0.0
48. Trading	7.20	4.00	88.80	7.37	4.56	88.07	1.1	1.0
49. Shop keeping	2.79	2.39	94.82	6.01	1.77	92.23	0.2	0.6
50. Hand craft	1.59	2.79	95.62	13.33	3.51	83.16	0.6	1.1
51. Attending community meetings	64.29	29.37	6.35	22.46	63.86	13.68	0.0	0.0
52. Resolving in-village conflicts	21.43	32.14	46.43	2.11	18.25	79.65	0.0	0.0
53. Getting information from TV	21.91	47.41	30.68	18.88	41.61	39.51	0.0	0.0
54. Getting information from Radio	30.40	44.00	25.60	25.61	41.40	32.98	0.0	0.0
55. Political discussion with others	14.74	33.07	52.19	2.46	12.63	84.91	0.0	0.0
56. Official letter writing	2.40	6.80	90.80	0.35	1.75	97.89	0.0	0.0
57. Dance party	33.47	50.60	15.94	17.13	53.50	29.37	0.0	0.0
58. Picnic	8.43	25.30	66.27	3.86	17.54	78.60	0.0	0.0
59. Worship ceremony	30.80	54.00	15.20	28.52	52.46	19.01	0.0	0.0
60. Sport events	7.57	19.12	73.31	1.05	2.11	96.84	0.0	0.0
61. Playing music	1.20	3.98	94.82	0.00	0.70	99.30	0.0	0.0
62. Drawing	0.00	1.99	98.01	0.00	0.35	99.65	0.0	0.0

Source: Socio-economic Baseline Survey, JICA Study Team

Table 3-4-4 People's Concerns and Participation in the Model Area

Items	Namon				Somboun				Whole	
	Sub-district		Sub-district		Sub-district		Sub-district		Male	Female
	Male n=173	Female n=165	Male n=250	Female n=286	Male n=250	Female n=286	Male n=423	Female n=451	(Score)	(Score)
1. Food availability	1	1	2	2	76.2	71.3	1	2	80.9	75.8
2. Fodder availability					52.3	48.2			59.0	51.1
3. Fuel wood availability	2	4	6	3	71.2	70.5	3	4	77.6	73.6
4. Paddy land availability	9				64.5	47.0			68.3	50.3
5. Upland availability					65.6	48.5			68.1	53.6
6. Grazing land availability					60.9	45.7			57.0	45.8
7. Slash and burn land availability					68.5	50.3			64.1	49.4
8. Fishing pond availability					56.9	44.3			55.5	45.4
9. Forest resources					52.5	45.5			54.3	48.8
10. Disease of livestock					54.2	45.5			60.4	50.5
11. Drinking water availability	5	2	1	1	77.1	80.6	2	1	78.5	80.9
12. Crop productivity					53.8	48.6			57.8	53.9
13. Cash income	3	3	8	5	71.1	70.1	5	3	75.1	73.9
14. Motorable roads					59.0	51.7			63.8	53.9
15. Maintenance of farm					51.0	44.7			55.3	46.7
16. Irrigation					48.2	43.2			50.2	47.7
17. Electricity supply					49.0	46.4			49.2	45.4
18. Mailing system					46.6	43.4			49.2	45.4
19. Education of children	8	7		9	69.0	63.1	10	8	71.5	65.5
20. Education of myself					55.8	48.5			59.8	50.9
21. Health					62.30	52.4			61.7	56.0
22. Family planning					55.3	51.9			58.1	56.8
23. Sanitation					65.20	70.3			70.4	72.2
24. Land slide & soil erosion					75.60	42.2			49.0	43.1
25. Flood					44.60	42.8			48.7	43.1
26. Draught					43.50	43.1			48.8	43.4
27. Forest fire					43.90	45.7			54.7	45.3
28. Degradation of soil fertility					44.70	43.6			49.2	43.9
29. Labor force availability	6	10	7	10	50.2	59.6	6	10	73.7	61.3
30. Dance party	10				71.2	65.1	9	9	71.6	64.4
31. Festival	7	8	5	7	70.2	67.1	8	7	72.2	67.1
32. Worship of religion					71.7	68.5	7	6	75.3	70.4
33. Political discussion					60.3	47.3			63.3	47.6
34. Community development					60.6	51.5			63.5	52.3
35. Security	4		3	4	74.0	49.6	4	4	76.8	49.3

Source: Socio-economic Baseline Survey, 1996, IICA Study Team

Table 3-4-5 People's Concerns in Model Area by Ethnic Groups

Items	Lao Lum				Lao Theung				Lao Sung				Model Area Overall			
	Male		Female		Male		Female		Male		Female		Male	Female		
	(Order)	(Score)	(Order)	(Score)	(Order)	(Score)	(Order)	(Score)	(Order)	(Score)	(Order)	(Score)	(Order)	(Score)		
Food availability	1	80.9	2	77.3	3	72.4	5	66.8	2	87.3	3	81.4	1	80.9	2	75.8
Fuel wood availability	2	77.6	6	72.9	-	-	2	69.0	1	87.8	2	81.9	3	77.6	4	73.6
Drinking water availability	3	77.0	1	80.0	1	76.3	1	82.2	3	84.7	1	83.0	2	78.5	1	80.9
Security	4	76.0	-	-	2	75.8	-	-	5	80.0	-	-	4	76.8	-	49.3
Worship of religion	5	75.6	4	74.1	5	71.0	4	67.0	-	-	-	-	7	73.3	6	70.4
Cash income	6	74.2	3	75.5	6	70.1	3	67.3	4	81.6	4	75.6	5	75.1	3	73.9
Labor force availability	7	73.9	10	60.1	8	71.0	9	62.4	8	75.3	7	64.9	6	73.7	10	61.3
Festival	8	73.1	7	68.4	4	71.5	7	66.6	-	-	8	62.7	8	72.2	7	67.1
Dance party	9	72.7	9	66.3	9	69.0	8	62.6	-	-	-	-	9	71.6	9	64.4
Education of children	10	71.2	8	66.9	7	70.1	10	60.2	10	73.6	6	66.6	10	71.5	8	65.5
Sanitation	-	-	5	73.3	-	-	6	66.6	-	-	5	75.1	-	-	5	72.2
Slash and burn land availability	-	-	-	-	10	68.2	-	-	9	73.8	-	-	-	-	-	-
Upland availability	-	-	-	-	-	-	-	-	6	76.7	-	-	-	-	-	-
Paddy land availability	-	-	-	-	-	-	-	-	7	75.8	-	-	-	-	-	-
Family planning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Health	-	-	-	-	-	-	-	-	-	-	10	61.9	-	-	-	-

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-4-6 Income Sources which Sample Households Want to Improve or Develop

Village	Total Response (No.)	No Answer (%)	Income Sources to be Improved/ Developed in the Village																	
			Kao Na (%)	Kao Hai (%)	Vegetable (%)	Fruits (%)	L.stock/ Poultry (%)	Fish Culture (%)	Fuelwood Prod. (%)	Timber Prod. (%)	Forest Crops (%)	Coffee (%)	Handicraft (%)	Sericulture (%)	Trading (%)	Manufacturing (%)	Others (%)			
Namoun Area																				
1. Vangmiang	28	0.00	60.71	0.00	7.14	0.00	14.29	0.00	0.00	0.00	0.00	14.29	0.00	0.00	3.57	0.00	0.00	0.00	0.00	
2. Namoun-Tai	32	3.13	62.50	0.00	6.25	0.00	18.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13	0.00	6.25	0.00	0.00	
3. Namoun-Nua	20	0.00	75.00	5.00	15.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4. Phonsavang	28	0.00	75.00	0.00	3.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.86	0.00	0.00	
5. Phonkeo	26	0.00	57.69	23.08	3.85	3.85	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	
6. Ngiou	13	0.00	69.23	0.00	15.38	0.00	7.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.69	
7. Nalao	15	0.00	33.33	6.67	0.00	0.00	33.33	0.00	0.00	0.00	0.00	6.67	0.00	0.00	0.00	0.00	6.67	0.00	13.33	
8. Nakhom	7	0.00	85.71	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9. Phongnang	8	0.00	62.50	0.00	0.00	12.50	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10. Nangeun-Nua	14	7.14	50.00	21.43	0.00	0.00	21.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11. Nangeun-Tai	19	0.00	73.68	0.00	0.00	0.00	21.05	5.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12. Vanghua	30	0.00	53.33	3.33	10.00	0.00	13.33	0.00	0.00	0.00	0.00	3.33	0.00	0.00	13.33	0.00	0.00	0.00	3.33	
13. Houaysan	9	0.00	44.44	22.22	11.11	0.00	22.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
14. Nampath-Nua	7	0.00	57.14	28.57	0.00	0.00	14.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sub-total or Average	256	0.78	61.72	6.25	6.25	1.17	13.67	0.39	0.00	0.00	2.34	0.00	0.00	2.34	0.00	2.34	0.00	3.52	0.39	1.17
Somboun Area																				
1. Houaymo-Nua	14	0.00	85.71	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Houaymo-Tai	21	0.00	28.57	4.76	0.00	0.00	14.29	9.52	0.00	0.00	0.00	9.52	4.76	0.00	0.00	0.00	0.00	9.52	0.00	0.00
3. Thahua-Nua	11	0.00	9.09	0.00	0.00	27.27	45.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.18	0.00	0.00	0.00	0.00	0.00
4. Thahua-Tai	42	9.52	4.76	21.43	0.00	0.00	14.29	2.38	2.38	0.00	0.00	2.38	0.00	0.00	11.90	0.00	30.95	0.00	0.00	0.00
5. Houaypamom	60	1.67	3.33	46.67	18.33	3.33	13.33	1.67	0.00	0.00	0.00	0.00	0.00	0.00	8.33	0.00	3.33	0.00	0.00	0.00
6. Somsanouk	64	7.81	4.69	62.50	18.75	1.56	4.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00
7. Nampat	16	0.00	0.00	56.25	18.75	6.25	6.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.55	0.00	0.00
8. Vangkhi	44	2.27	50.00	27.27	6.82	2.27	4.55	2.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00
9. Phonthong	5	0.00	40.00	20.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Taothan	19	0.00	63.16	26.32	10.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Nampath-Tai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. Houayxi	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Namphao	1	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Phakoup	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15. Sivilai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	299	3.68	20.74	35.79	10.37	3.01	9.36	2.01	0.33	1.34	1.62	1.00	0.33	4.01	0.67	7.36	0.00	0.00	0.00	0.00
Model Area Total or Ave.	555	2.34	39.64	22.16	8.47	2.16	11.35	1.26	0.18	0.72	1.62	0.18	0.18	3.24	0.36	5.59	0.18	0.18	0.18	0.54

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-4-7 Measures to Prevent Forest Fire due to Slash and Burn

Village	Total Response (No.)	Measures to Prevent Forest Fire due to Slash & Burn							Others (%)
		No Answer (%)	Make Buffer Zone (%)	Watch during Burn. (%)	Consider Wind Direction (%)	Establish a penal Regulation (%)			
Namou Area									
1. Vangmiang	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Namon-Tai	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Namon-Nua	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Phonsavang	16	0.00	87.50	12.50	0.00	0.00	0.00	0.00	0.00
5. Phonkeo	4	0.00	75.00	0.00	25.00	0.00	0.00	0.00	0.00
6. Ngiou	1	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Nalao	3	0.00	66.67	0.00	33.33	0.00	0.00	0.00	0.00
8. Nakhom	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Phongnang	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Nangeun-Nua	10	0.00	70.00	30.00	0.00	0.00	0.00	0.00	0.00
11. Nangeun-Tai	6	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
12. Vanghua	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Houaysan	1	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Nampath-Nua	1	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	50	0.00	86.00	10.00	4.00	0.00	0.00	0.00	0.00
Somboun Area									
1. Houaymo-Nua	3	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Houaymo-Tai	1	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00
3. Thahua-Nua	6	16.67	50.00	16.67	0.00	16.67	0.00	16.67	0.00
4. Thahua-Tai	16	18.75	50.00	0.00	0.00	6.25	0.00	25.00	0.00
5. Houaypamom	22	4.55	95.45	0.00	0.00	0.00	0.00	0.00	0.00
6. Somsanouk	28	7.14	85.71	7.14	0.00	0.00	0.00	0.00	0.00
7. Nampat	7	0.00	71.43	0.00	0.00	0.00	0.00	28.57	0.00
8. Vangkhi	14	0.00	92.86	0.00	0.00	0.00	0.00	7.14	0.00
9. Phonthong	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Taothan	6	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Nampath-Tai	1	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00
12. Houayxi	3	0.00	66.67	33.33	0.00	0.00	0.00	0.00	0.00
13. Namphao	4	0.00	50.00	25.00	25.00	0.00	0.00	0.00	0.00
14. Phakoup	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15. Sivilai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	113	6.19	78.76	5.31	1.77	7.96	0.00	0.00	0.00
Model Area Total or Ave.	163	4.29	80.98	6.75	2.45	5.52	0.00	0.00	0.00

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-4-8 Villagers' Perception on Importance of Forest

Village	No Answer (%)	Importance of Forest - Overall																		
		Kao Hai Source (Score)	Fuelwood Source (Score)	Timber Source (Score)	Folder Grazing (Score)	Forest Crops (Score)	Medical Plants (Score)	Hunting Sites (Score)	Water Conservation (Score)	Soil Conservation (Score)	Others (Score)									
Namoun Area																				
1. Vangmiang	0.00	15.0	22.5	57.5	37.5	45.6	28.8	8.1	53.1	31.9	0.0									
2. Namon-Tai	4.26	14.5	60.9	19.6	39.6	38.3	38.3	8.5	48.1	19.6	0.0									
3. Namon-Nua	5.56	10.0	29.4	41.7	36.7	45.0	33.3	12.2	53.3	21.7	0.0									
4. Phonsavang	0.00	48.5	47.9	30.9	47.3	32.7	23.6	20.6	31.5	17.0	0.0									
5. Phonkeo	0.00	26.8	40.0	26.3	39.0	45.4	44.4	9.8	50.2	15.6	2.4									
6. Ngiou	0.00	18.8	53.8	27.5	47.5	55.0	35.0	2.5	48.8	11.3	0.0									
7. Nalao	4.00	28.8	40.8	29.6	33.6	50.4	28.8	11.2	47.2	17.6	0.0									
8. Nakhom	0.00	0.0	75.0	10.0	35.0	75.0	30.0	25.0	35.0	15.0	0.0									
9. Phongnang	0.00	20.0	56.0	30.0	60.0	46.0	32.0	20.0	30.0	6.0	0.0									
10. Nangeun-Nua	0.00	30.0	44.3	12.9	42.9	35.7	40.0	24.3	50.0	20.0	0.0									
11. Nangeun-Tai	0.00	18.1	41.9	6.7	42.9	51.4	37.1	27.6	53.3	21.0	0.0									
12. Vanghua	2.86	2.9	52.0	45.1	42.9	46.3	21.7	17.1	45.7	15.4	2.3									
13. Houaysan	0.00	16.7	53.3	48.3	36.7	60.0	20.0	20.0	36.7	8.3	0.0									
14. Nampath-Nua	0.00	47.5	47.5	22.5	30.0	65.0	30.0	12.5	32.5	12.5	0.0									
Sub-total or Average	1.78	20.5	45.1	31.3	40.5	45.7	32.4	14.1	46.3	18.3	0.5									
Somboun Area																				
1. Houaymo-Nua	5.88	36.5	62.4	14.1	31.8	45.9	24.7	12.9	45.9	8.2	0.0									
2. Houaymo-Tai	0.00	12.3	41.5	50.8	10.0	51.5	33.8	6.9	60.8	32.3	0.0									
3. Thahua-Nua	3.17	32.4	27.6	5.7	70.2	49.8	29.8	1.0	44.4	29.2	0.3									
4. Thahua-Tai	4.44	44.4	39.1	34.2	25.3	36.0	19.6	8.4	38.2	16.4	0.0									
5. Houaypamom	4.48	36.7	63.6	29.6	24.8	40.6	18.2	4.5	55.2	16.7	0.3									
6. Somsanouk	2.74	59.5	60.8	32.1	32.9	32.9	16.4	4.7	34.0	14.0	0.0									
7. Nampat	0.00	70.0	58.8	37.5	31.3	35.0	17.5	7.5	33.8	8.8	0.0									
8. Vangkhi	1.96	45.1	54.5	38.0	24.3	47.1	21.6	4.7	40.0	18.8	0.0									
9. Phonthong	0.00	12.0	68.0	42.0	40.0	38.0	26.0	10.0	46.0	18.0	0.0									
10. Taothan	0.00	48.3	64.2	41.7	25.0	38.3	8.3	6.7	47.5	19.2	0.0									
11. Nampath-Tai	0.00	75.0	43.3	18.3	51.7	41.7	13.3	0.0	38.3	18.3	0.0									
12. Houayxi	0.00	78.2	50.9	7.3	59.1	26.4	33.6	0.0	30.9	15.6	0.0									
13. Namphao	1.52	62.1	33.9	3.0	50.0	54.5	27.0	2.4	41.5	20.6	0.0									
14. Phakoup	2.86	77.1	37.7	15.4	50.3	38.9	25.1	0.0	30.3	14.9	0.0									
15. Sivilai	0.00	75.6	20.0	0.0	73.3	53.3	33.3	0.0	26.7	17.8	0.0									
Sub-total or Average	2.43	49.6	47.9	24.0	38.8	42.5	22.7	4.2	39.3	18.7	0.1									
Model Area Total or Ave.	2.17	38.3	46.8	26.8	39.5	43.8	26.5	8.0	42.0	18.5	0.3									

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-4-9 (1/5) Villagers' Perception on Measures for Improvement of Forest

Village	Total Resp. (No.)	Measures to Improve Forest As a Source of Kao Hai													
		1 (%)	2 (%)	3 (%)	4 (%)	5 (%)	6 (%)	7 (%)	8 (%)	9 (%)	10 (%)				
Namon Area															
1. Vangmiang	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Namon-Tai	4	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Namon-Nua	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Phonsavang	14	0.00	64.29	14.29	0.00	0.00	0.00	0.00	7.14	0.00	14.29	0.00	0.00	0.00	0.00
5. Phonkeo	4	0.00	75.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Ngiou	2	0.00	50.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Nalao	3	0.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00
8. Nakhom	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Phongnang	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Nangeun-Nua	3	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Nangeun-Tai	3	0.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00
12. Vanghua	1	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Houaysan	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Nampath-Nua	3	0.00	66.67	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	43	0.00	74.42	6.98	2.33	4.65	0.00	2.33	2.33	0.00	9.50	0.00	0.00	0.00	0.00
Somboun Area															
1. Houaymo-Nua	6	0.00	50.00	0.00	16.67	16.67	0.00	16.67	0.00	0.00	16.67	0.00	0.00	0.00	0.00
2. Houaymo-Tai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Thahua-Nua	15	0.00	33.33	6.67	0.00	20.00	0.00	20.00	13.33	0.00	6.67	0.00	0.00	0.00	0.00
4. Thahua-Tai	20	0.00	85.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Houaypanom	24	0.00	91.67	4.17	0.00	0.00	0.00	0.00	4.17	0.00	0.00	0.00	0.00	0.00	0.00
6. Somsanouk	42	0.00	83.33	2.38	2.38	7.14	0.00	27.27	4.76	0.00	0.00	0.00	0.00	0.00	0.00
7. Nampat	11	0.00	63.64	0.00	0.00	0.00	0.00	13.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. Vangkhi	23	0.00	86.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Phonhong	1	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Taothan	11	0.00	45.45	18.18	0.00	0.00	0.00	27.27	9.09	0.00	0.00	0.00	0.00	0.00	0.00
11. Nampath-Tai	9	0.00	55.56	0.00	0.00	0.00	0.00	0.00	44.44	0.00	0.00	0.00	0.00	0.00	0.00
12. Houayxi	16	0.00	50.00	0.00	0.00	6.25	0.00	6.25	37.50	0.00	0.00	0.00	0.00	0.00	0.00
13. Namphao	36	0.00	41.67	5.56	2.78	30.56	0.00	0.00	19.44	0.00	0.00	0.00	0.00	0.00	0.00
14. Phakoup	25	0.00	56.00	12.00	0.00	8.00	0.00	8.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00
15. Sivilai	3	0.00	66.67	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	242	0.00	65.29	4.13	1.65	13.64	2.07	12.40	10.88	0.85	2.11	0.00	0.00	0.00	0.00
Model Area Total or Ave.	285	0.00	66.67	4.56	1.75	12.28	1.75	10.88	2.11	0.00	0.00	0.00	0.00	0.00	0.00

Code :

- 1. No answer
- 2. Tree planting in slash and burn areas
- 3. Tree planting in community forests
- 4. Determination of boundary for protection of Forest
- 5. Development of new paddy land
- 6. Increase of crops/livestock productivity in the existing production system
- 7. Creation of new income sources
- 8. Use of improved stove to reduce fuel wood
- 9. Use of other energy sources (gas, kerosene, etc...)
- 10. Others

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-4-9 (2/5) Villagers' Perception on Measures for Improvement of Forest

Village	Total Response (No.)	Measures to Improve Forest As a Source of Fuelwood																		
		1 (%)	2 (%)	3 (%)	4 (%)	5 (%)	6 (%)	7 (%)	8 (%)	9 (%)	10 (%)									
Namoun Area																				
1. Vangmiang	4	0.00	25.00	0.00	0.00	25.00	25.00	0.00	0.00	0.00	25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Namon-Tai	2	0.00	50.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Namon-Nua	2	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Phonsavang	1	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Phonkeo	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Ngjou	6	0.00	16.67	0.00	0.00	50.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Nalao	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. Nakhom	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Phongnang	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Nangeun-Nua	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Nangcun-Tai	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. Vanghua	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Houaysan	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Nampath-Nua	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	21	0.00	38.10	0.00	0.00	38.10	4.76	9.52	9.52	4.76	9.52	0.00	0.00	9.52	0.00	0.00	0.00	0.00	0.00	0.00
Somboun Area																				
1. Houaymo-Nua	1	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Houaymo-Tai	3	0.00	33.33	0.00	0.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Thahua-Nua	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Thahua-Tai	4	0.00	25.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Houaypamom	5	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Somsanouk	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Nampat	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. Vangkhi	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Phonthong	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Taotian	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Nampath-Tai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. Houayxi	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Nampao	5	0.00	60.00	0.00	0.00	20.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Phakoup	2	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00
15. Sivilai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	21	0.00	52.38	0.00	4.76	33.33	0.00	4.76	9.52	33.33	0.00	0.00	9.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Model Area Total or Ave.	42	0.00	45.24	0.00	2.38	35.71	2.38	9.52	9.52	4.76	4.76	0.00	0.00	4.76	0.00	0.00	0.00	0.00	0.00	0.00

Code :

1. No answer
2. Tree planting in slash and burn areas
3. Tree planting in community forests
4. Determination of boundary for protection of Forest
5. Development of new paddy land
6. Increase of crops/livestock productivity in the existing production system
7. Creation of new income sources
8. Use of improved stove to reduce fuel wood
9. Use of other energy sources (gas, kerosene, etc...)
10. Others

Source: Socio-economic Baseline Survey, 1996. JICA Study Team

Table 3-4-9 (3/5) Villagers' Perception on Measures for Improvement of Forest

Village	Total Response (No.)	Measures to Improve Forest As a Function to Conserve Water												
		1 (%)	2 (%)	3 (%)	4 (%)	5 (%)	6 (%)	7 (%)	8 (%)	9 (%)	10 (%)			
Namon Area														
1. Vangmiang	10	0.00	30.00	0.00	10.00	20.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00
2. Namon-Tai	14	0.00	78.57	7.14	0.00	0.00	0.00	0.00	0.00	0.00	7.14	0.00	0.00	7.14
3. Namon-Nua	9	0.00	0.00	0.00	11.11	55.56	22.22	0.00	0.00	0.00	0.00	0.00	0.00	11.11
4. Phonsavang	4	0.00	75.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Phonkeo	7	0.00	28.57	0.00	0.00	42.86	0.00	0.00	0.00	0.00	14.29	0.00	0.00	14.29
6. Ngiou	4	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
7. Nalao	5	0.00	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00
8. Nakhom	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Phongnang	1	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Nangeun-Nua	6	0.00	66.67	0.00	0.00	0.00	16.67	0.00	0.00	0.00	16.67	0.00	0.00	0.00
11. Nangeun-Tai	8	0.00	75.00	12.50	0.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. Vanghua	6	0.00	16.67	33.33	0.00	16.67	16.67	0.00	0.00	0.00	16.67	0.00	0.00	0.00
13. Houaysan	2	0.00	50.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Nampath-Nua	1	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	77	0.00	50.65	5.19	2.60	15.58	12.99	0.00	0.00	0.00	5.19	1.30	0.00	6.49
Somboun Area														
1. Houaymo-Nua	4	0.00	50.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Houaymo-Tai	8	0.00	75.00	0.00	0.00	12.50	0.00	0.00	0.00	0.00	12.50	0.00	0.00	0.00
3. Thahua-Nua	1	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Thahua-Tai	3	0.00	33.33	0.00	0.00	33.33	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00
5. Houaypamom	2	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Somsanouk	5	0.00	20.00	0.00	0.00	80.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Nampat	1	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
8. Vangkhi	5	0.00	40.00	20.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	0.00
9. Phonthong	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Taothan	4	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00
11. Nampath-Tai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. Houayxi	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Namphao	4	0.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00
14. Phakoup	1	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15. Sivilai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	40	0.00	50.00	2.50	0.00	17.50	7.50	20.00	0.00	0.00	2.50	0.00	0.00	0.00
Model Area Total or Ave.	117	0.00	50.43	4.27	1.71	16.24	11.11	6.84	4.27	0.85	4.27	0.00	0.00	4.27

Code :

1. No answer
2. Tree planting in slash and burn areas
3. Tree planting in community forests
4. Determination of boundary for protection of Forest
5. Development of new paddy land
6. Increase of crops/livestock productivity in the existing production system
7. Creation of new income sources
8. Use of improved stove to reduce fuel wood
9. Use of other energy sources (gas, kerosene, etc.)
10. Others

Source: Socio-economic Baseline Survey, 1996. JICA Study Team

Table 3-4-9 (4/5) Villagers' Perception on Measures for Improvement of Forest

Village	Total Response (No.)	Measures to Improve Forest As a Folder/ Grazing											
		1 (%)	2 (%)	3 (%)	4 (%)	5 (%)	6 (%)	7 (%)	8 (%)	9 (%)	10 (%)		
Namoun Area													
1. Vangmiang	1	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Namon-Tai	3	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Namon-Nua	3	0.00	66.67	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Phonsavang	1	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33
5. Phonkeo	3	0.00	66.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Ngiou	2	0.00	100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Nalao	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. Nakhom	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Phongnang	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Nangeun-Nua	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Nangeun-Tai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. Vanghva	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Houaysan	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Nampath-Nua	0	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	19	0.00	78.95	0.00	0.00	10.53	5.26	0.00	0.00	0.00	0.00	0.00	5.26
Somboun Area													
1. Houaymo-Nua	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Houaymo-Tai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Thahua-Nua	31	6.45	54.84	9.68	0.00	25.81	3.23	0.00	0.00	0.00	0.00	0.00	0.00
4. Thahua-Tai	2	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Houaypamom	4	0.00	50.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Somsanouk	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Nampat	2	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00
8. Vangkhi	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Phonthong	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Taothan	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Nampath-Tai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. Houayxi	4	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Namphao	17	0.00	23.53	29.41	0.00	47.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Phakoup	5	0.00	60.00	0.00	0.00	20.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00
15. Sivilai	5	0.00	40.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	70	2.86	47.14	11.43	0.00	32.86	2.86	0.00	2.86	2.86	0.00	0.00	0.00
Model_Area_Total_or_Ave.	89	2.25	53.93	8.99	0.00	28.09	3.37	0.00	2.25	0.00	0.00	0.00	1.12

Code :

1. No answer
2. Tree planting in slash and burn areas
3. Tree planting in community forests
4. Determination of boundary for protection of Forest
5. Development of new paddy land
6. Increase of crops/livestock productivity in the existing production system
7. Creation of new income sources
8. Use of improved stove to reduce fuel wood
9. Use of other energy sources (gas, kerosene, etc..)
10. Others

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Table 3-4-9 (5/5) Villagers' Perception on Measures for Improvement of Forest

Village	Total Response (No.)	Measures to Improve Forest As a Source of Timber										
		1 (%)	2 (%)	3 (%)	4 (%)	5 (%)	6 (%)	7 (%)	8 (%)	9 (%)	10 (%)	
Namon Area												
1. Vangmiang	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2. Namon-Tai	4	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Namon-Nua	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. Phonsavang	14	0.00	64.29	14.29	0.00	0.00	0.00	7.14	14.29	0.00	0.00	0.00
5. Phonkeo	4	0.00	75.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6. Ngiou	2	0.00	50.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00
7. Nalao	3	0.00	66.67	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00
8. Nakhom	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9. Phongnang	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Nangeun-Nua	3	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11. Nangeun-Tai	3	0.00	66.67	0.00	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00
12. Vanghua	1	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Houaysan	2	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14. Nampath-Nua	3	0.00	66.67	0.00	0.00	33.33	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total or Average	43	0.00	74.42	6.98	2.33	4.65	0.00	2.33	9.30	0.00	0.00	0.00
Somboun Area												
1. Houaymo-Nua	6	0.00	50.00	0.00	16.67	16.67	0.00	0.00	16.67	0.00	0.00	0.00
2. Houaymo-Tai	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3. Thahua-Nua	15	0.00	33.33	6.67	0.00	20.00	0.00	13.33	6.67	0.00	0.00	0.00
4. Thahua-Tai	20	0.00	85.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Houaypamom	24	0.00	91.67	4.17	0.00	0.00	0.00	4.17	0.00	0.00	0.00	0.00
6. Somsanouk	42	0.00	83.33	2.38	2.38	7.14	0.00	4.76	0.00	0.00	0.00	0.00
7. Nampat	11	0.00	63.64	0.00	0.00	27.27	0.00	9.09	0.00	0.00	0.00	0.00
8. Vangkhi	23	0.00	86.96	0.00	0.00	13.04	0.00	0.00	0.00	0.00	0.00	0.00
9. Phonthong	1	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10. Taathan	11	0.00	45.45	18.18	0.00	27.27	9.09	0.00	0.00	0.00	0.00	0.00
11. Nampath-Tai	9	0.00	55.56	0.00	0.00	0.00	0.00	44.44	0.00	0.00	0.00	0.00
12. Houayxi	16	0.00	50.00	0.00	0.00	6.25	37.50	0.00	0.00	0.00	0.00	0.00
13. Namphao	36	0.00	41.67	5.56	2.78	30.56	0.00	19.44	0.00	0.00	0.00	0.00
14. Phakoup	25	0.00	56.00	12.00	0.00	8.00	0.00	24.00	0.00	0.00	0.00	0.00
15. Sivilai	3	0.00	66.67	0.00	0.00	0.00	0.00	33.33	0.00	0.00	0.00	0.00
Sub-total or Average	242	0.00	65.29	4.13	1.65	13.64	2.07	12.40	8.83	0.00	0.00	0.00
Model Area Total or Ave.	285	0.00	66.67	4.56	1.75	12.28	1.75	10.88	2.11	0.00	0.00	0.00

Code :

1. No answer
2. Tree planting in slash and burn areas
3. Tree planting in community forests
4. Determination of boundary for protection of Forest
5. Development of new paddy land
6. Increase of crops/livestock productivity in the existing production system
7. Creation of new income sources
8. Use of improved stove to reduce fuel wood
9. Use of other energy sources (gas, kerosene, etc..)
10. Others

Source: Socio-economic Baseline Survey, 1996, JICA Study Team

APPENDIX-1
RESULTS OF VILLAGE PROFILE SURVEY

VILLAGE PROFILE

Nannon Area		Vill-1	Vill-2	Vill-3	Vill-4	Vill-5	Vill-6	Vill-7	Vill-8	Vill-9	Vill-10	Vill-11	Vill-12	Vill-13	Vill-14	
No.	Name	Vangmiang	Namote-Tai	Namom-Nua	Phonsavang	Phoneloo	Ngieu	Naboo	Nakhome	Phongnang	Nangoun-Nua	Nangoun-Tai	Vanghua	Houaysan	Nampats-Nua	
1.	Village Name															
2.	General															
2.1	Establishment of village	65	211	18	29	9	35	108	25	21	19	78	200	19	19	2
2.2	Distance to Vangvieng	0.3	0.3	0.3	0.1	0.2	0.4	0.5	0.3	4	4	4	15	0.4	0.4	0.25
3.	Land use in 1995/96															
3.1	Paddy land	54,27	70,42	58,68	72,00	31,00	27,21	27,00	25,00	20,00	5,00	12,70	47,29	6,00	6,00	10,00
	Hectare	46,27	63,25	50,00	55,00	27,00	20,56	20,00	0,00	4,00	0,00	0,00	42,00	0,00	0,00	0,00
	With irrigation canal	8,00	7,30	56,68	30,00	4,00	6,65	27,00	0,00	16,00	0,00	2,00	5,49	0,00	0,00	0,00
	Hectare	10,00	0,00	19,00	0,00	40,00	6,05	30,00	0,00	18,00	0,00	11,13	3,00	18,00	0,00	104,00
3.2	Slash and burn area	6,00	4,00	4,00	8,00	35,00	5,00	3,00	1,00	1,00	0,00	10,00	6,00	0,00	1,00	3,00
	Hectare	6,00	4,00	0,00	0,00	10,00	0,00	0,00	0,00	0,00	0,00	0,00	20,00	0,00	0,00	0,00
3.3	Orland	1,60														
	Hectare	1,000,00	1,000,00	955,00	10,30	800,00	15,00	10,00	6,00	49,00	3,00	213,00	493,00	1,800,00	1,800,00	400,00
3.5	Forest	1,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	4,00	0,00	0,00	0,00
	Com. forest	1,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	4,00	0,00	0,00	0,00
	Private forest	20,00	0,00	0,00	0,50	800,00	450,00	500,00	2,00	1,00	1,00	1,00	68,00	0,00	0,00	160,00
	Other forest	1,021,00	1,000,00	1,025,00	12,50	1,600,00	465,00	510,00	8,00	50,00	3,00	226,00	472,00	2,100,00	2,100,00	560,00
3.6	Total forest	1,50	0,00	2,00	4,40	5,20	3,00	2,00	2,00	1,50	0,70	1,50	20,00	2,00	2,00	5,40
	Hectare	0,00	0,00	0,00	0,00	2,00	0,00	0,00	0,00	1,00	0,00	1,00	1,00	0,00	0,00	0,00
3.7	Others	1,064,37	1,804,21	1,104,66	95,90	1,723,20	506,26	572,00	34,00	77,50	27,70	252,55	569,40	2,122,55	2,122,55	679,50
	Hectare															
4.	Demography															
4.1	Household in 1996	100	140	113	110	130	44	28	22	26	20	62	151	2	31	33
	Total Household nos.															
	Woman headed HH nos.	2	7	7	0	2	0	1	0	3	0	4	2	2	0	1
4.2	Ethnic group in 1996															
	H hold	0	0	113	11	130	0	0	0	0	0	62	1	0	0	0
	Lao Sung	0	0	0	1	0	0	28	0	0	0	0	0	0	25	25
	Lao Theung	0	0	0	0	0	43	30	22	26	0	0	150	0	0	0
	Lao Lum	67	140	0	68	0	0	0	0	0	0	0	0	0	0	0
	Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	H hold	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Percentage distribution															
	Lao Sung	0.0	0.0	100.0	10.0	100.0	0.0	0.0	0.0	0.0	0.0	100.0	0.7	0.0	0.0	0.0
	Lao Theung	3.0	0.0	0.0	0.9	0.0	2.3	35.9	0.0	0.0	0.0	0.0	99.3	0.0	80.6	75.8
	Lao Lum	97.0	100.0	0.0	89.1	0.0	97.7	64.1	100.0	100.0	0.0	0.0	0.0	0.0	19.4	14.2
	Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.3	Population in 1996															
	Male	303	351	369	300	446	127	279	43	56	96	220	427	103	103	91
	Female	265	424	388	340	510	196	196	64	50	67	331	426	46	95	95
	Total	568	775	757	640	956	323	475	107	106	163	551	853	149	198	186
4.4	Total population in 1995	561	n.a.	n.a.	597	801	329	494	168	177	249	423	630	266	n.a.	n.a.
4.5	Total population in 1994	541	n.a.	n.a.	577	776	330	n.a.	n.a.	n.a.	237	n.a.	626	n.a.	n.a.	n.a.
4.6	Total population in 1993	524	n.a.	n.a.	728	745	n.a.	n.a.	n.a.	197	n.a.	n.a.	614	n.a.	n.a.	n.a.
4.7	Total population in 1992	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	194	n.a.	n.a.	599	n.a.	n.a.	n.a.
4.8	Age distribution in 1996															
	Less than 5 yrs	86	90	148	71	299	34	51	13	51	65	96	114	37	53	37
	6 to 15 yrs	174	386	366	219	97	97	145	45	55	44	153	297	60	60	61
	16 to 24 yrs	88	127	134	109	195	60	70	10	28	30	33	96	26	26	16
	25 to 44 yrs	137	150	123	137	230	60	135	10	31	36	36	232	60	60	30
	45 to 60 yrs	78	62	73	77	102	33	58	36	14	14	136	136	6	6	14
	over 60 yrs	5	20	39	27	10	14	19	3	7	11	28	28	13	8	8
	Total	598	835	757	640	956	302	475	107	106	193	453	853	198	198	171
4.9	Education level in 1996															
	High school	17	31	10	4	10	4	1	1	0	0	0	0	0	0	0
	Male	3	15	0	0	0	0	0	0	0	0	0	0	0	0	0
	Female	14	16	10	4	10	4	1	1	0	0	0	0	0	0	0
	Secondary	24	34	8	20	43	19	3	3	2	3	8	24	0	0	0
	Male	3	22	0	0	3	0	0	0	0	0	0	6	0	0	0
	Female	21	12	8	20	40	19	3	3	2	3	8	18	0	0	0
	Primary scho.	83	107	10	35	16	40	16	7	42	13	36	46	30	30	16
	Male	37	101	5	27	6	27	6	0	40	0	31	45	14	14	6
	Female	46	6	5	8	10	13	10	7	2	13	5	1	16	16	10
	Left primary sch.	120	106	94	230	176	60	203	13	22	39	70	158	25	25	30
	Male	180	244	67	73	131	30	131	33	17	12	22	364	12	12	36
	Female	40	36	27	10	45	30	72	0	5	27	48	70	13	13	36
	Non-educated	67	102	71	186	66	24	54	20	35	40	208	70	46	46	55
	Male	30	35	31	41	48	31	47	43	31	36	208	70	46	46	55
	Female	37	67	40	145	18	13	7	17	14	4	208	70	46	46	55
	Sub-total Male	494	551	360	309	486	147	279	43	56	96	220	427	103	103	91
	Sub-total Female	598	835	757	640	956	302	475	107	106	193	453	853	198	198	171
	Total															

VILLAGE PROFILE

Namon Area		Village	Village	Village	Village	Village	Village	Village	Village	Village	Village	Village	Village	Village	Village
		Vangmuang	Namone-Tai	Namon-Nua	Phonsavang	Phonkeo	Ngou	Nalao	Nakhone	Phongrang	Nangue-Nua	Nangue-Tai	Vanghva	Houaysan	Nampath-Nua
No	Name														
1	Village Name														
4.10	Out migration	2	1	0	2	0	41	5	9	71	40	0	2	8	14
a.	Total of the last 5 yrs														
b.	Major destinations	B. Tha Heua	B. Phant Sai	B. Na Some	Luk 52		B. Khanh	B. Phas Lath	Luk 10	Pa Xuang	Phone Seng		Hah Nhad	Nam Pad	Nam Pad East
	Specify (1)	Vang Vieng	Vang Vieng	Vang Vieng	M. Cham		Vang Vieng	Sang Thong	M. Puang	Vang Vieng	M. Phang		M. Madi	Vang Vieng	Vang Vieng
4.11	In migration	5	1	2	44	22	0	1	2	1	3	5	53	0	10
a.	Total of the last 5 yrs														
b.	Major origins	M. Mad	B. Vang	B. Na Some	Xiang	Nam Xang		Say Som	Lung Samh	Phone ngamee	Khang Tai	Say Som	Xiang	Houay Sun	Houay Sun
	Specify (1)	Ka Si	Vang Vieng	Vang Vieng	Luk 27	Ka Si		M. Phout	Thrakhom	M. Say Tho	M. Some	Nam lang	Sum Nuej		
5.	Occupation (availability of skilled people)														
5.1	School teacher	7	0	4	41	0	0	2	1	0	0	0	6	0	7
5.2	Doctor	0	0	0	1	0	0	0	0	0	0	0	0	0	0
5.3	Nurse	1	1	1	1	1	1	1	1	1	1	1	2	1	6
5.4	Carpenter	0	0	0	10	0	0	0	0	0	0	0	6	0	0
5.5	Black smith	0	1	2	0	5	0	1	0	1	3	1	1	1	2
5.6	Handicraft worker	91	0	0	44	80	12	12	71	8	0	50	85	8	22
5.7	Trader/middleman	91	8	3	351	5	4	3	2	0	0	11	11	0	0
5.8	Driver	5	5	2	13	5	0	2	1	10	2	1	10	0	1
5.9	Work out of village	17	2	2	17	4	4	2	7	0	0	1	90	0	1
6.	Community organization														
6.1	Women's Union	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Member Nos	86	70	2	68	226	40	55	71	271	31	46	100	321	32
	% of H.Hold	86.0	50.0	1.8	61.8	173.8	90.9	70.5	31.8	103.8	106.9	74.2	66.2	103.2	103.0
6.2	Youth organization	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Member Nos	48	83	2	36	64	32	48	15	27	21	36	70	37	20
	% of H.Hold	48.0	59.3	1.8	32.7	49.2	72.7	61.5	68.2	103.8	72.4	36	46.4	119.4	60.6
6.3	Elder's Group	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Member Nos	65	95	16	3	51	24	14	2	14	20	40	74	25	19
	% of H.Hold	65.0	67.9	31.9	2.7	39.2	54.3	23.1	9.1	53.3	69.0	64.3	48.3	80.6	57.5
6.4	Water Users Group	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Member Nos	60	81	0	13	0	0	0	0	4	0	0	42	0	0
	% of H.Hold	60.0	57.9	0.0	11.8	0.0	0.0	0.0	0.0	15.4	0.0	0.0	27.8	0.0	0.0
6.5	Others														
	Specify (1)	Rice-Bank	Rice-Bank	Saving	Rice-Bank	Rice-Bank		Rice-Bank					Rice-Bank	Rice-Bank	
	Specify (2)	Saving	Saving	Rice-Bank									Saving		
7.	Village volunteers														
7.1	Village guard	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
7.2	Fire man	N	N	N	N	N	N	N	N	N	N	N	N	N	N
7.3	Agriculture volunteer	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
7.4	Forest volunteer	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
7.5	Health volunteer	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
7.6	Others														
	Specify (1)														
	Specify (2)														
8.	Public facilities														
8.1	School														
a.	Primary	5	5	5	3	5	5	3	2	3	3	2	5	2	2
b.	Secondary	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c.	High school	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.2	Health facilities														
a.	Hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0
b.	Health post/center	1	0	0	3	1	0	0	0	0	0	1	0	0	0
c.	Pharmacy	1	0	0	0	0	0	0	0	0	0	0	0	0	0
8.3	Post office	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
8.4	Police station	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
8.5	No. of shops	8	7	3	18	5	4	3	2	0	0	3	11	0	1
8.6	Piped water supply	N	N	N	N	N	N	N	N	N	N	N	N	N	N
8.7	No. of wells	8	11	6	36	6	3	7	2	2	2	0	3	0	2
8.8	Elec. supply	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

VILLAGE PROFILE

Nambot Area		Village-1	Village-2	Village-3	Village-4	Village-5	Village-6	Village-7	Village-8	Village-9	Village-10	Village-11	Village-12	Village-13	Village-14
		Vangmiang	Namone-Tai	Namom-Nua	Phonsavang	Phonkeo	Ngrou	Nalao	Nathone	Phongmang	Nangseu-Nua	Naogseu-Ta	Vangbus	Houaysan	Nampanh-Nua
No.															
1. Village Name															
9. Agriculture / Livestock / Fishery															
9.1 No. of owner households (including those who have traditional right)															
a. Paddy in paddy land															
b. Slash and burn culti.															
c. Upland cultivation															
d. Grazing land owners															
e. Private forest owners															
9.2 Major cropping pattern (see other tables)															
9.3 Major food crops (1) Name															
(2) Name															
(3) Name															
(4) Name															
(5) Name															
9.4 Food crops insufficient to the village															
(1) Name															
(2) Name															
(3) Name															
(4) Name															
(5) Name															
9.5 Fishes sold to outside															
(1) Name															
(2) Name															
(3) Name															
(4) Name															
(5) Name															
9.6 Livestock raised															
a. Cows/oxen															
b. Buffalo															
c. Pig															
d. Horse															
e. Goat/Sheep															
f. Chicken															
g. Duck															
h. Turkey															
i. Poultry															
9.7 No. of households having fishing boat															
a. Without engine															
b. With engine															
9.8 Natural disaster to crop cultivation in "Has" in the past 5 years (frequency)															
a. Flood															
b. Land slide/gully															
c. Top soil erosion															
9.9 Natural disaster to crop cultivation in "Nt" in the past 5 years (frequency)															
a. Flood															
b. Land slide/gully															
c. Top soil erosion															
10. Forest															
10.1 Existence of village forest in which tree felling is not allowed (Y/N)															
a. If YES, estimated area (hectare)															
b. If YES, status of forest (Code)															
10.2 Existence of village forest for use of all the villagers (Y/N)															
a. If YES, estimated area (hectare)															
b. If YES, status of forest (Code)															
c. If YES, usage of forest (Code)															
10.3 Existence of regulation on forest use among villagers (Y/N)															
a. If YES, in text? (Y/N)															

VILLAGE PROFILE

Name of Area		Village 1	Village 2	Village 3	Village 4	Village 5	Village 6	Village 7	Village 8	Village 9	Village 10	Village 11	Village 12	Village 13	
No. Name		Vangmiao	Namoe-Tai	Namoe-Nua	Phonsavang	Phonchao	Nglou	Nalao	Nakbome	Phonguang	Nangoun-Nua	Nangoun-Tu	Vangbua	Houayuan	Nampath-Nua
10.3	Existence of regulation on 'Tai' (Tai) use among villagers (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	a. If YES, in text?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
10.5	Existence of man-made forest (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	a. If YES, estimated area	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	b. If YES, major trees planted	Maisak	Maisak	Maisak	Maisak	Maisak	Maisak	Maisak	Maisak	Maisak	Maisak	Maisak	Maisak	Maisak	Maisak
11	Collage industries (Nos. of households involved)														
	a. Rice mill	4	4	3	3	3	3	3	3	3	3	3	3	3	3
	b. Other food processing	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	c. Wood processing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Bamboo work	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Furniture make	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	f. Poultry farming	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	g. Weaving	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	h. Other (specify)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12.	Tax collected from the Villagers in 1995/96														
	a. Total tax collected	364,200	384,200	362,000	120,000	156,000	154,800	168,300	227,000	72,000	6,500	14,350	69,000	35,000	52,500
	b. From paddy production	364,200	379,200	352,000	96,000	130,600	94,000	114,000	223,000	51,000	0	84,350	210,000	16,000	40,200
	c. From traders	0	0	0	0	2,400	0	10,800	0	0	0	0	208,000	0	0
	d. From livestock selling	0	0	0	0	0	0	12,500	0	13,000	6,500	10,000	16,500	22,000	32,000
	e. From timber/fuel wood se.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	f. From others	0	0	0	14,000	23,000	38,000	27,000	6,000	3,200	0	0	110,000	0	0
	g. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	h. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	i. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	j. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	k. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	l. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	m. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	o. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	p. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	q. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	r. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	s. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	t. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	u. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	v. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	w. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	x. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	y. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	z. From others	0	0	0	0	0	0	0	0	0	0	0	0	0	0

□ : Reliabilities of these figures are evaluated to be low.
 Area size matters are evaluated to be low due to the reason that the area is not surveyed results and a unclear village area.
 Population matters are evaluated to be low due to a discrepancy between total population and break down in some villages.

Code for natural disaster to crop cultivation
 Code (1): Only once
 Code (2): Occasionally
 Code (3): Regularly
 Code (4): None
 Source: Socio-economic Baseline Survey, 1996, JICA Study Team

Code for status of forest
 Code (1): Forest boundary was delineated by central/ local government
 Code (2): Forest boundary was delineated by villagers
 Code (3): Forest boundary was delineated by government and villagers
 Code (4): Forest boundary was not delineated yet.

Code for usage of forest
 Code (1): Mainly for slash and burn cultivation
 Code (2): Mainly for grazing
 Code (3): Mainly for fuel wood collection
 Code (4): Mainly for forest veg/crops collection
 Code (5): Mainly for timber

VILLAGE PROFILE

Village Name	Southeast Area														
	Vill-1	Vill-2	Vill-3	Vill-4	Vill-5	Vill-6	Vill-7	Vill-8	Vill-9	Vill-10	Vill-11	Vill-12	Vill-13	Vill-14	Vill-15
No.															
Name															
2. General	20	35	21	20	30	26	14	200	16	24	18	25	21	21	21
3.1 Establishment of village															
Land use in 1995/96															
Paddy	12.20	9.00	8.70	2.50	0.00	0.00	0.00	20.50	4.50	12.00	0.00	0.50	3.17	2.00	0.00
With irrigation canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.50	0.00	0.00	0.00	0.50	0.00	0.00	0.00
Without irrigation canal	12.20	9.00	8.70	2.50	0.00	0.00	0.00	0.00	4.50	12.00	0.00	0.00	3.17	2.00	0.00
Slash and burn area	17.00	17.00	15.00	14.40	10.00	37.00	50.00	54.00	6.50	36.00	41.00	70.00	160.00	21.00	54.00
Upland	3.00	4.00	3.50	18.00	4.00	4.00	0.32	5.00	2.50	5.00	2.00	25.00	10.00	3.00	0.00
Grazing land	0.00	0.00	2.00	1.50	0.00	180.00	5.00	0.00	0.00	13.00	0.00	0.00	0.00	0.00	0.00
Forest	2,400.00	10.00	2.00	2,000.00	2.00	4.00	60.00	150.00	13.00	20.00	283.00	250.00	260.00	100.00	0.00
Comm. forest	0.00	10.00	15.00	0.00	0.00	0.00	0.00	0.00	0.04	5.00	0.00	0.00	150.00	0.00	0.00
Private forest	3.00	2.00	1.00	10.00	5.00	0.00	1.00	302.00	12.00	3.00	17.00	50.00	180.00	40.00	0.00
Other forest	2,403.00	22.00	36.00	2,010.00	7.00	4.00	61.00	452.00	30.04	28.00	300.00	300.00	540.00	160.00	0.00
Total forest	4.00	3.00	33.00	0.50	8.00	1.50	3.00	5.00	12.00	12.00	1.50	5.00	75.00	3.00	3.00
Settlement	0.16	0.79	2.00	0.30	5.00	0.48	205.00	1,400.00	1.80	2.00	12.00	34.00	300.00	0.00	0.00
Others	2,445.20	52.00	68.00	2,046.40	141.00	561.00	116.32	531.50	44.14	94.00	343.00	425.50	763.17	166.00	54.00
Total															
1. Demography															
4.1 Household in 1996															
a. Total Household	60	84	165	142	195	177	49	158	28	71	36	65	202	76	32
b. Woman headed HH	3	8	6	6	15	13	2	0	2	3	1	6	15	3	5
4.2 Ethnic group in 1996															
a. Lao Sang	0	0	0	0	1	89	0	0	0	0	0	0	0	0	0
b. Lao Theung	58	14	34	1	42	6	40	20	0	68	29	45	70	0	0
c. Lao Lam	2	70	131	141	152	82	0	138	28	3	7	12	132	76	0
d. Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage distribution															
a. Lao Sang	0.0	0.0	0.0	0.0	0.5	50.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
b. Lao Theung	96.7	16.7	20.6	0.7	21.5	3.4	100.0	12.7	6.0	95.8	80.6	69.2	34.7	0.0	0.0
c. Lao Lam	3.3	83.3	79.4	99.3	77.9	46.3	0.0	87.3	100.0	4.2	19.4	30.8	65.3	100.0	0.0
d. Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.3 Population in 1996															
a. Male	156	273	561	400	566	485	165	450	72	225	114	148	498	224	75
b. Female	63	277	537	429	570	461	148	415	84	130	116	195	725	226	83
c. Total	319	1,058	1,098	829	1,136	946	314	865	156	355	230	343	1,223	450	158
4.4 Total population in 1995															
4.5 Total population in 1994															
4.6 Total population in 1993															
4.7 Total population in 1992															
4.8 Age distribution in 1996															
a. Less than 5 yrs	95	86	131	127	209	265	75	0	29	81	53	53	257	118	22
b. 6 to 15 yrs	77	132	287	249	356	255	104	0	40	130	79	100	424	148	45
c. 16 to 24 yrs	51	71	84	148	192	153	20	0	30	40	25	25	219	57	0
d. 25 to 44 yrs	59	245	263	184	184	233	80	0	28	122	45	44	250	104	55
e. 45 to 59 yrs	22	51	178	76	104	102	22	0	19	65	15	40	201	68	11
f. over 60 yrs	15	36	115	43	62	64	13	0	18	18	13	5	65	5	10
Total	319	621	1,058	829	1,136	946	314	0	136	445	230	343	1,423	500	158
4.9 Education level in 1996															
a. High school	8	1	14	3	18	1	0	0	1	0	0	1	4	7	0
Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Female	8	1	14	3	18	1	0	0	1	0	0	1	4	7	0
b. Secondary	15	6	38	20	100	21	5	0	0	6	0	3	36	16	0
Male	6	0	0	0	0	0	0	0	0	0	0	0	2	2	0
Female	9	6	38	20	100	21	5	0	0	6	0	3	34	14	0
c. Primary scho	11	25	76	11	210	9	13	0	4	5	10	3	258	15	0
Male	7	13	27	14	170	3	5	0	0	0	2	2	102	32	0
Female	4	12	49	0	40	6	8	0	4	5	8	1	156	13	0
d. Left primary sch.	81	194	252	113	310	71	17	0	29	0	68	30	120	263	99
Male	47	114	153	69	168	41	4	0	11	0	29	12	157	140	25
Female	34	80	99	44	142	30	13	0	18	0	39	18	103	123	74
e. Non-educated	156	273	1,058	400	566	485	165	0	16	0	114	148	498	224	75
Sub-total Male	163	277	1,018	429	570	485	165	0	16	0	114	148	498	224	75
Sub-total Female	156	344	1,040	400	566	461	148	0	16	0	116	195	725	226	83
Total	319	621	1,058	829	1,136	946	314	0	32	0	230	343	1,218	450	158

VILLAGE PROFILE

Samboun Area	Village Name														
	Vill-1	Vill-2	Vill-3	Vill-4	Vill-5	Vill-6	Vill-7	Vill-8	Vill-9	Vill-10	Vill-11	Vill-12	Vill-13	Vill-14	Vill-15
9. Agriculture / Livestock / Fishery															
9.1 Nos. of owner households (including those who have traditional right)															
a. Paddy in paddy land	21	9	20	4	0	0	0	48	12	23	0	6	6	31	0
b. Slash and burn culti.	32	40	42	20	150	165	49	158	26	71	42	63	196	60	0
c. Upland cultivation	0	4	2	10	12	0	2	3	12	18	2	1	0	2	0
d. Grazing land owners	0	0	1	1	0	0	2	0	0	18	0	0	0	0	0
e. Private forest owners (see other tables)	10	11	0	7	1	0	0	0	4	2	0	0	0	0	0
9.2 Major cropping pattern															
9.3 Major food crops sold to outside															
(1) Name	Phakhang	Bannana	Bannana	Bannana	Rice	Rice	Bannana	Rice	Bannana	Paddy	Cassava	Bannana	Bannana	Papaya	Chile
(2) Name	Cassava	Pineapple	Pineapple	Pineapple	Chile	Chile	Pineapple	Pineapple	Com	Bannana	Pineapple	Pineapple	Bannana	Bannana	Manioc
(3) Name	Bean	Mostron	Mostron	Pineapple	Mostron	Mostron	Pineapple	Mostron	Com	Mango	Mango	Mango	Bannana	Bannana	Manioc
(4) Name	Cucumber	Parkad	Parkad	Pineapple	Peasants	Peasants	Pineapple	Peasants	Cucumber	Papaya	Papaya	Papaya	Bannana	Bannana	Manioc
(5) Name	Phakhom	Parkad	Parkad	Pineapple	Bannana	Bannana	Pineapple	Vegetables	Papaya	Rice	Bannana	Papaya	Bannana	Bannana	Manioc
9.4 Food crops insufficient in the village															
(1) Name	Rice	Rice	Markkung	Rice	Cabbage	Rice	Coconut	Coconut	Rice	Coconut	Bannana	Papaya	Orange	Orange	Orange
(2) Name	Vege. & Bean	Other Bulbs	Other Bulbs	Other Bulbs	Parkad	Salad	Coconut	Coconut	Coconut	Coconut	Mango	Cucumber	Mango	Mango	Mango
(3) Name	Water Melon	Cucumber	Cucumber	Cucumber	Me. calary	Me. calary	Coconut	Coconut	Coconut	Coconut	Coconut	Coconut	Coconut	Coconut	Coconut
(4) Name	Cucumber	Cucumber	Cucumber	Cucumber	Parkhom	Parkhom	Coconut	Coconut	Coconut	Coconut	Coconut	Coconut	Coconut	Coconut	Coconut
(5) Name	Pakabang	Panokkheun	Panokkheun	Panokkheun	Pakabang	Pakabang	Pakabang	Pakabang	Pakabang	Pakabang	Pakabang	Pakabang	Pakabang	Pakabang	Pakabang
9.5 Highest sold to outside															
(1) Name	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun
(2) Name	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun
(3) Name	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun
(4) Name	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun
(5) Name	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun	Panokkheun
9.6 Livestock raised															
a. Cow/oxen	32	71	188	86	180	402	60	184	69	138	70	100	405	105	40
b. Buffalo	19	18	61	40	150	27	11	158	35	26	0	30	150	300	2
c. Pig	47	55	191	40	200	477	65	156	41	112	45	150	625	160	30
d. Horse	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
e. Goat/Sheep	22	10	18	20	0	8	16	0	30	16	18	0	50	0	0
f. Chicken	362	800	800	900	2000	1770	150	1015	250	258	300	530	2154	613	100
g. Duck	10	100	100	291	400	50	25	250	200	16	20	150	252	100	0
h. Turkey	0	9	30	9	20	0	0	70	0	3	30	30	30	143	10
i. Poultry	372	755	940	1200	2420	1850	175	1335	450	274	323	710	2436	556	110
9.7 Nos. of households having fishing boat															
a. Without engine	3	53	54	144	81	32	11	40	8	0	28	65	50	20	0
b. With engine	0	31	38	40	75	20	0	54	2	0	8	6	40	50	1
9.8 Natural disaster to crop cultivation in "Hai" in the past 5 years (frequency)															
a. Flood	1	2	4	3	4	4	4	3	2	4	4	4	4	4	2
b. Land slide/faulty	1	4	4	4	4	4	4	4	4	4	4	4	4	4	0
c. Top soil erosion	2	4	2	4	4	4	4	4	4	4	4	4	4	4	0
9.9 Natural disaster to crop cultivation in "Na" in the past 5 years (frequency)															
a. Flood	3	3	2	3	4	4	4	3	2	3	4	4	4	4	0
b. Land slide/faulty	2	4	4	4	4	4	4	4	4	4	4	4	4	4	0
c. Top soil erosion	2	4	2	4	4	4	4	4	4	4	4	4	4	4	0
10. Forest															
10.1 Existence of village forest in which tree falling is not allowed. (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
a. If YES, estimated area (hectare)	12	0	0	23	2	2	1	150	16	20	16	50	590	50	0
b. If YES, status of forest (Code)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10.2 Existence of village forest for use of all the villagers. (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
a. If YES, estimated area (hectare)	2400	20	2	20	4	4	4	300	12	30	283	250	260	100	0
b. If YES, status of forest (Code)	2	4	4	4	2	2	2	2	2	2	2	2	2	2	2
c. If YES, usage of forest (Code)	1	3	3	1	1	1	1	1	4	5	1	1	1	1	1
10.3 Existence of regulation on forest use among villagers (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
a. If YES, in text? (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

VILLAGE PROFILE

Nomboun Area		Vill.1	Vill.2	Vill.3	Vill.4	Vill.5	Vill.6	Vill.7	Vill.8	Vill.9	Vill.10	Vill.11	Vill.12	Vill.13	Vill.14	Vill.15
Name		Houaymo-Nua	Houaymo-Ta	Thahua-Nua	Thahua-Ta	Houaypounom	Sompounouk	Nampat	Vangphi	Phonethong	Taathuan	Namphat-Tai	Houayxi	Namphao	Phakoup	Vill.16
1.	10.4. Reference of population on "Houaymo-Nua" use among villages (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	10.5. Existence of man-made forest (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	a. JPKS, estimated area	51	10							0.64			30			
	b. JPKS, major trees planted	Mitook	Mitook							Masak			Masakthong			
	c. Change industries (No. of households involved)															
	a. Rice mill	1	0	3	0	2	3	1	10	3	4	0	0	21	3	0
	b. Other food processing	2	3	18	0	0	0	51	0	0	0	0	0	2	0	0
	c. Wood processing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Bamboo work	3	1	10	0	0	0	0	0	2	0	1	0	0	0	0
	e. Furniture make	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	f. Pulley forming	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	g. Weaving	3	5	7	10	130	20	0	0	20	1	0	0	18	0	20
	h. Other (specify)	0	0	2	0	0	5	0	0	1	0	0	0	0	0	0
	11. Tax collected from the Villagers in 1995/96															
	a. Total tax collected	125,000	240,000	150,000	123,000	301,350	7,500	140,000	95,000	101,000	75,000	35,000	150,000	512,300	100,000	0
	b. From piggy production	47,000	57,000	135,000	80,000	0	0	110,000	40,000	0	35,000	25,000	50,000	0	0	0
	c. From traders	6,000	0	0	0	0	0	0	0	18,000	0	0	0	0	0	0
	d. From livestock selling	8,000	40,000	15,000	21,000	255,000	7,500	30,000	13,000	5,000	17,000	4,000	50,000	305,000	30,000	0
	e. From timber/fuel wood se.	0	0	0	20,000	0	0	0	0	0	0	0	50,000	0	0	0
	f. From others	64,000	265,000	0	23,000	76,350	0	0	0	30,000	23,000	0	0	5,300	0	0
	12. Tax collected per Household															
	a. Total tax collected	2,083	1,677	979	852	1,694	42	2,527	601	3,607	7,056	889	2,308	1,527	1,326	0
	b. From piggy production	783	363	618	563	0	0	2,251	506	0	493	778	769	0	0	0
	c. From traders	100	0	0	0	0	0	0	0	643	0	0	0	0	0	0
	d. From livestock selling	133	479	61	148	1,308	42	612	351	107	239	131	462	1,520	595	0
	e. From timber/fuel wood se.	0	0	0	131	0	0	0	0	0	0	0	769	0	0	0
	f. From others	1,067	810	0	0	392	0	0	0	2,557	324	0	0	57	0	0

□ : Reliability of these figures are evaluated to be low.
 Area size matters are evaluated to be low due to the reason that the area is not surveyed results and a unclear village area.
 Population matters are evaluated to be low due to a discrepancy between total population and break down in some villages.

Code for status of forest
 Code (1): Only once
 Code (2): Occasionally
 Code (3): Regularly
 Code (4): None

Code for natural disaster to crop cultivation (frequency)
 Code (1): Forest boundary was delineated by central/ local government
 Code (2): Forest boundary was delineated by villagers
 Code (3): Forest boundary was delineated by government and villagers
 Code (4): Forest boundary was not delineated yet.

Code for usage of forest
 Code (1): Mainly for slash and burn cultivation
 Code (2): Mainly for grazing
 Code (3): Mainly for fuel wood collection
 Code (4): Mainly for forest veg./crops collection
 Code (5): Mainly for timber

APPENDIX-2
Questionnaire for Household Survey

HOUSEHOLD SURVEY

M D Y

Date : _____ / _____ / _____

Enumerator : _____ Supervisor (Eng.) : _____

Village : _____ Sub-district : _____

Ethnic Group-A : _____ (see Code)

Code for Ethnic Group-A

1. Lao Sung 2. Lao Theung 3. Lao Lum

Ethnic Group-B (Specify) : (_____)
 (e.g. Hmong, Thai Neua, Thai Dam, Thai Deng, Thai Poua, Thai Dai, Thai Porong,
 Thai Pouan, Meo, Yao, etc.)

SECTION I GENERAL INFORMATION

I-1 Name of interviewee (in Lao) _____ Sex: (M/F) _____ Age: _____
 Name of interviewee (in Eng.) _____

I-2 Total number of household members _____ persons

I-3 Household members in the same house including the interviewee and temporal absentees.

	<u>SEX</u>	<u>AGE</u>	<u>EDU</u>	<u>FARM</u>	<u>OCC</u>	<u>PA</u>	<u>ORG</u>	
	<u>Sex</u>	<u>Age</u>	<u>Education</u>	Farming	Main	<u>Present /</u>	<u>Organization</u>	
			(see Code)	#1	Occupation	<u>Absent #2</u>	(see Code)	
				(Y/N)	(see Code)			
1.	M / F	_____	_____	_____	_____	P / A	_____	Head
2.	M / F	_____	_____	_____	_____	P / A	_____	
3.	M / F	_____	_____	_____	_____	P / A	_____	
4.	M / F	_____	_____	_____	_____	P / A	_____	
5.	M / F	_____	_____	_____	_____	P / A	_____	
6.	M / F	_____	_____	_____	_____	P / A	_____	
7.	M / F	_____	_____	_____	_____	P / A	_____	
8.	M / F	_____	_____	_____	_____	P / A	_____	
9.	M / F	_____	_____	_____	_____	P / A	_____	
10.	M / F	_____	_____	_____	_____	P / A	_____	
11.	M / F	_____	_____	_____	_____	P / A	_____	
12.	M / F	_____	_____	_____	_____	P / A	_____	
13.	M / F	_____	_____	_____	_____	P / A	_____	
14.	M / F	_____	_____	_____	_____	P / A	_____	

Note: #1: Asking whether or not he / she engages in farming (including livestock raising, fishing and slash and burn (Hai)).

#2: "P" means he / she live in the house throughout the year.
 "A" means he / she live in other places more than four months in a year.

Code for education:

1. No formal education
 2. Some classes of primary sc.
 3. Graduate of primary school
 4. Some classes of secondary sc.
 5. Graduate of secondary school
 6. Some classes of high school
 7. Graduate of high school
 8. Some classes of profession. H
 9. Graduate of professional high
 10. More than high school

Code for occupation:

1. Salary worker
 2. Wage labor
 3. Private business
 4. Farmer
 5. Student
 6. Child
 (below school age)
 7. No job
 8. Others

Code for organization

1. Member of Women's Union
 2. Member of Youth Organization
 3. Member of Elders' Group
 4. Member of Water Users group
 5. Member of Village Committee
 6. Member of ethnic organization
 7. Member of religious organization
 8. Member of other users' group
 (specify _____)
 9. Member of other organization
 10. Non-member

I-4 Cash income sources of the household.
(please indicate the order of cash income amount, 1, 2, 3).

	(Order)	(Amount)
1. Selling Kao Na (paddy land rice)	_____	_____ Kip/ Yr
2. Selling Kao Hai (slash & burn rice)	_____	_____ Kip/ Yr
3. Selling vegetables (including beans)	_____	_____ Kip/ Yr
4. Selling fruits	_____	_____ Kip/ Yr
5. Selling livestock/ poultry	_____	_____ Kip/ Yr
6. Selling fishes	_____	_____ Kip/ Yr
7. Selling fuel wood	_____	_____ Kip/ Yr
8. Selling timber	_____	_____ Kip/ Yr
9. Selling forest vegetables/ crops	_____	_____ Kip/ Yr
10. Selling of handicraft products	_____	_____ Kip/ Yr
11. Salary from permanent job	_____	_____ Kip/ Yr
12. Wage from temporary jobs	_____	_____ Kip/ Yr
13. Private business (trading, shop, etc.)	_____	_____ Kip/ Yr
14. Remittance from family members	_____	_____ Kip/ Yr
15. Others	_____	_____ Kip/ Yr
(Specify: _____)		_____ Kip/ Yr

I-5 When did your household settle in the village? _____ (see Code)

- Code for answer:
1. Within the last 10 years
 2. From 10 to 20 years ago
 3. From 20 to 30 years ago
 4. More than 30 years ago

SECTION II LIVING CONDITION

II-1 Drinking Water

	<u>Main source</u> (Choose one from Code)	<u>Distance (go and back)</u> (including time for waiting)	<u>Sufficiency</u> (see Code)
Dry Season	_____	_____ minutes	_____
Wet Season	_____	_____ minutes	_____

- Code for source :
- | | |
|----------------------|---------------|
| 1. Piped water | 5. Wells |
| 2. Springs (natural) | 6. Rain water |
| 3. River | 7. Others |
| 4. Reservoir | |

- Code for sufficiency :
- | | |
|----------------|---------------|
| 1. Sufficient | 3. Short |
| 2. Just enough | 4. Very short |

II-2 Source of fuel for cooking/heating.
(Choose up to 3 important items and answer the availability)

	<u>Importance (1, 2, 3)</u>	<u>Availability</u> (see Code)
1. Fuel wood	1_____	1_____
2. Charcoal	2_____	2_____
3. Crop residue	3_____	3_____
4. Gas cylinder	4_____	4_____
5. Kerosine	5_____	5_____

Code for availability

- | | |
|------------------------|-----------------------------|
| 1. Easily available | 3. Very difficult to obtain |
| 2. Difficult to obtain | |

II-3 Annual consumption of fuel wood by source

1. Own harvest _____ La/ year
Charge, if any _____ Kip/ La
2. Purchased _____ La/ year
Price : _____ Kip/ La
3. Total _____ La/ year

II-4 Distance to main fuel wood forests including slash and burn areas for fuel wood collection

- Source-1. _____ minutes (one way)
Source-2. _____ minutes (one way)

II-5 Time (hours) required for fuel wood collection per week: _____ hours per week

II-6 Food condition /availability of household (for your own products / harvest)

	<u>Condition</u> (see Code)	<u>Shortage in months in a year</u>
1. Cereals (paddy, maize, etc.)	_____	_____ months/year
2. Roots and tuber crops	_____	_____ months/year
3. Vegetables (including beans)	_____	_____ months/year
4. Meat	_____	_____ months/year
5. Fish	_____	_____ months/year
6. Forest vegetables/ crops	_____	_____ months/year

- Code for condition:
1. Own harvest / product exceeds the household demand.
 2. Own harvest / product is just enough to meet the household demand.
 3. Purchased or exchanged to meet the household demand.

II-7 Major diseases (please list the major diseases your family had in the last one year)

- | | | |
|----------|----------------------------|-----------------------|
| 1. _____ | <u>Code for answer</u> | |
| 2. _____ | 1. No diseases | 7. Typhus fever |
| 3. _____ | 2. Cold | 8. Tapeworm infection |
| | 3. Malaria | 9. Eye diseases |
| | 4. Respiratory diseases | 10. Skin diseases |
| | 5. Dysentery | 11. Hepatitis |
| | 6. Other diarrhea diseases | 12. Other (_____) |

II-8 How will your family members usually do when they get sick ? (Select major two)

- | | |
|----------|--|
| 1. _____ | <u>Code for answer</u> |
| 2. _____ | 1. No medical treatment |
| | 2. Buy medicine |
| | 3. Go to a doctor in the village |
| | 4. Go to a traditional doctor in the village |
| | 5. Go to a faith curer in the village |
| | 6. Go to a hospital in Vangvientg |
| | 7. Go to a hospital in Vientiane |
| | 8. Others (_____) |

II-9 Did family planning worker(s) visit your home before? (Y / N) _____

II-10 Contraceptive method your family use. (choose all you take) _____, _____, _____, _____

- | | | |
|-------------------------|-----------------------|--|
| <u>Code for answer:</u> | 1. Pills | 5. Traditional methods |
| | 2. Condoms | 6. Do not use any contraceptive method |
| | 3. Use of loop / ring | 7. Others |
| | 4. Surgical method | |

II-11 Availability of toilet facility in your house. (Y / N) _____

SECTION III CROP PRODUCTION

III-1 Total area for crop cultivation in 1995/96

	<u>Land Owned by the Family (*1)</u>	<u>Land Rented from Others (*2)</u>	<u>Land Leased to Others (*3)</u>
Hai-A (only for paddy)	_____ ha	_____ ha	_____ ha
Hai-B (for other crops)	_____ ha	_____ ha	_____ ha
Na	_____ ha	_____ ha	_____ ha
Upland (fruits, vege. etc.)	_____ ha	_____ ha	_____ ha

*1: Including the lands managed under the cultivation right.
(Note: 1 + 2 - 3 = land operated by the family)

III-2 Land title of the above "Owned Land"

Hai-A (only for paddy) _____

Hai-B (for other crops) _____

Na _____

Upland (fruits, vege. etc.) _____

Code for answer

1. Privately owned (you can sell it, if you want.)
2. Government land but you have a right to cultivate traditionally
3. Government land but allocated by the village committee
4. You don't know whose land that is, but you cultivate
5. Other (specify) _____

III-3 Time required to the above "Hai" area from your house (Average of Hai-A and Hai-B) :
 _____ Hours

III-4 Are you going to use the above 1996's "Hai" area again for crop cultivation in near future ?

Hai-A (Y/N) : _____ Hai-B (Y/N) : _____

III-5 If your answer is "Yes" in the above, when are you going to use it again for paddy ?

Hai-A _____ year(s) later Hai-B _____ year(s) later

III-6 If your answer is "No" in the above, is it easy to find "Hai" area(s) in different places ?
 (Y (easy) / N (not easy)) : _____

III-7 Total "Hai" area(s) of the Household in the last 4 years (including other crops)

1992 : _____ ha 1994 : _____ ha

1993 : _____ ha 1995 : _____ ha

III-8 Do you usually stay at "Hai" area during cultivation season ?

(Plural answers are acceptable, but not more than two answers.)

_____, _____

Code for answer

1. Stay during the season for slash and burn
2. Stay during the season for seeding
3. Stay during the season for harvest
4. Stay continuously from slash/burn to harvest
5. Not stay, go there based on requirements

III-9 Who is a decision maker for the "Hai" area selection (choose one): _____

Code for answer

1. Head of the household
2. Other household member(s)
3. Village committee
4. Other (specify): _____

III-10 Crop production (excluding crops grown in home garden)

<u>Hai (Slash and burn)</u>	<u>(Crop code)</u>	<u>(Crop code)</u>	<u>(Crop code)</u>
Wet season crops	_____	_____	_____
Dry season crops	_____	_____	_____

(please answer for major crops you grow in "Hai")

	<u>Crop 1</u>	<u>Crop 2</u>	<u>Crop 3</u>
a. Name of crops (crop code)	_____	_____	_____
b. Planted area	_____ ha	_____ ha	_____ ha
c. Total production	_____ kg	_____ kg	_____ kg
d. Production sold	_____ kg	_____ kg	_____ kg
e. Price at sale	_____ Kip/kg	_____ Kip/kg	_____ Kip/kg
f. Production given to others (rending, exchanged, etc.)	_____ kg	_____ kg	_____ kg
g. Chemical fertilizer used	_____ kg	_____ kg	_____ kg
h. Main crop damage, if any	_____	_____	_____

<u>Na (paddy land)</u>	<u>Crop code</u>	<u>Crop code</u>	<u>Crop code</u>
Wet season crops	_____	_____	_____
Dry season crops	_____	_____	_____

(please answer for major 3 crops you grow in either wet or dry season in "Na")

	<u>Crop 1</u>	<u>Crop 2</u>	<u>Crop 3</u>
a. Name of crops (crop code)	_____	_____	_____
b. Planted area	_____ ha	_____ ha	_____ ha
c. Total production	_____ kg	_____ kg	_____ kg
d. Production sold	_____ kg	_____ kg	_____ kg
e. Price at sale	_____ Kip/kg	_____ Kip/kg	_____ Kip/kg
f. Production given to others (rending, exchanged, etc.)	_____ kg	_____ kg	_____ kg
g. Chemical fertilizer used	_____ kg	_____ kg	_____ kg
h. Main crop damage, if any	_____	_____	_____

Code for crops

- | | |
|----------------|-----------------------|
| 1. Paddy/ rice | 6. Beans |
| 2. Maize | 7. Chile |
| 3. Cassava | 8. Other vegetables |
| 4. Potato | 9. Other-1 (_____) |
| 5. Groundnuts | 10. Other-2 (_____) |

Code for damage

- | | |
|-----------------------------|-------------------------|
| 1. Drought (water shortage) | 6. Wind |
| 2. Diseases | 7. Land slide / erosion |
| 3. Insects | 8. Flood |
| 4. Animals (specify; _____) | 9. Other (_____) |
| 5. Hail stone | 10. None |

III-11 Annual paddy production and consumption of household

1. Paddy production in paddy land (Kao Na) _____ kg/year
2. Paddy production in slash and burn area (Kao Hai) _____ kg/year
3. Total paddy production (1 + 2) _____ kg/year
4. Total paddy consumption in a month (average) _____ kg/month
5. Total paddy consumption in a year (average) _____ kg/year
6. Balance of paddy in household (3 - 5) _____ kg/year (- or + is needed)

SECTION IV LIVESTOCK / ANIMALS / FISHES

IV-1 Livestock and feed

	Numbers	Wet Season		Dry Season	
		Main Feed (select major one)	Sufficiency	Main Feed (select major one)	Sufficiency
1. Cows / oxen	_____	_____	_____	_____	_____
2. Buffalo	_____	_____	_____	_____	_____
3. Goat/sheep	_____	_____	_____	_____	_____
4. Pig	_____				
5. Chicken	_____				
6. Duck	_____				
7. Turkey	_____				
8. Fish (please answer if you grow fish in pond or not)				(Yes / No)	_____

Code for main feed:

1. Grass
2. Tree fodder
3. Crop residue
4. Grain
5. Root & tuber crops

Code for sufficiency:

1. Sufficient
2. Just enough
3. Short
4. Very short

SECTION V FOREST

V-1 Do you have forest that you have a right to use privately ? (Y/N) _____
If Yes, _____ ha

V-2 Horticultural trees privately owned

	No. of trees		No. of trees
1. Orange trees	_____	9. Jackfruits trees	_____
2. Lime trees	_____	10. Leichi trees	_____
3. Lemon trees	_____	11. Guava	_____
4. Mango trees	_____	12. Coffee	_____
5. Papaya trees	_____	13. Rambutan	_____
6. Coconut trees	_____	14. Tamarind	_____
7. Banana trees	_____	15. _____	_____
8. Mangosteen	_____	16. _____	_____

V-3 Other trees privately owned (or you have a right to cut, if you want) and their species name

	(Hectare)	Name of species (select 3 species)
1. Fuel wood trees	_____	(_____)
		(_____)
		(_____)
2. Timber trees	_____	(_____)
		(_____)
		(_____)
3. Fodder trees	_____	(_____)
		(_____)
		(_____)
4. Bamboo	_____	

Code of trees

- | | |
|--|---|
| 1. Bak (<i>Anisoptera Obusta</i>) | 12. Ten (<i>Duabanga sonneratioides</i>) |
| 2. Khai So (<i>Schima noronhae</i>) | 13. Khab (<i>Maesa ramentacea</i>) |
| 3. Khen Hua (<i>Hopea odorata</i>) | 14. Khom Som (<i>Muntingia calabura</i>) |
| 4. Khen Kha Ngom (<i>Shorea cochinchinesis</i>) | 15. Muat (<i>Aporosa ephaerosperma</i>) |
| 5. Khouang Sy | 16. Ngeo (<i>Xerospermum laoticum</i>) |
| 6. Kouang Deng (<i>Dysoxylum binectariferum</i>) | 17. Sa Fang (<i>Peltophorum dasyrachis</i>) |
| 7. Nhang (<i>Dipterocarpus alatus</i>) | 18. Sa Loth |
| 8. Nhom (<i>Toona febrifuga</i>) | 19. Tiou Deng (<i>Cratoxylon Prunifolium</i>) |
| 9. Puay (<i>Lagerstoemia spp.</i>) | 20. Tiou Som (<i>Cratoxylon formosum</i>) |
| 10. Sy (<i>Vatica cinerea</i>) | 21. Others |
| 11. Te Kha (<i>Azelia xylocarpa</i>) | |

SECTION VI EXPENDITURE OF HOUSEHOLD

VI-1 Please estimate your monthly cash expenditure by items

- | | |
|---|-----------------|
| 1. Food (including oil, sugar, rice, flour, fish, etc.) | _____ Kip/month |
| 2. Clothes | _____ Kip/month |
| 3. Education | _____ Kip/month |
| 4. Others | _____ Kip/month |
| 5. Total | _____ Kip/month |

APPENDIX-3
Questionnaire for Household Member Survey

SURVEY FOR HOUSEHOLD MEMBERS

M D Y

Date: ____/____/____

Enumerator: _____ Supervisor (Eng.): _____

Respondent: _____

Sex (M / F): ____ Age: _____

Village: _____ Sub-district: _____

A. Participation / engagement of household members

<u>Home activities</u>	Your participation / engagement (See "Code")	Activities you want to make easy
1. Fetching of drinking water	1: ____	(Choose up to 5 activities with priority from the ones you checked in the left line (1 - 50)) 1st: _____ 2nd: _____ 3rd: _____ 4th: _____ 5th: _____
2. Cooking	2: ____	
3. Washing	3: ____	
4. Sweeping the house	4: ____	
5. House repair	5: ____	
6. Child / elderly care	6: ____	
7. Kitchen gardening	7: ____	
8. Sewing and knitting	8: ____	
9. Shopping in market	9: ____	
<u>Farming activities</u>		
10. Plowing	10: ____	
11. Seeding/ transplanting	11: ____	
12. Weeding	12: ____	
13. Application of chemical fertilizers	13: ____	
14. Harvesting	14: ____	
15. Repairing of farm	15: ____	
<u>Slash & burn activities</u>		
16. Slashing	16: ____	
17. Burning	17: ____	
18. Clearing	18: ____	
19. Fencing	19: ____	
20. Seeding	20: ____	
21. Weeding	21: ____	
22. Harvesting	22: ____	
<u>Livestock & poultry raising</u>		
23. Grazing control	23: ____	
24. Feeding	24: ____	

(to be continued)

Code for answer: 1. Usually 2. Sometimes 3. None

	Your participation / engagement (See "Code")
25. Watering	25: _____
26. Collection/ production of fodder	26: _____
27. Sweeping of livestock & poultry stall	27: _____
<u>Fishing activities</u>	
28. Fish catching in dam reservoir	28: _____
29. Fish catching in river	29: _____
30. Fish production in pond	30: _____
31. Repairing of fishing gear	31: _____
32. Maintenance of boat / engine	32: _____
33. Maintenance of pond	33: _____
<u>Forestry activities</u>	
34. Collection of fuel wood	34: _____
35. Collection of forest vegetable/crops	35: _____
36. Timber harvest	36: _____
37. Charcoal production	37: _____
<u>Post-harvest & marketing activities</u>	
38. Threshing of cereals	38: _____
39. Processing livestock & poultry products	39: _____
40. Processing fishes	40: _____
41. Processing of forest vegetables/crops	41: _____
42. Selling crops	42: _____
43. Selling livestock & poultry products	43: _____
44. Selling fishes & fishery products	44: _____
45. Selling forest vegetables/crops	45: _____
46. Selling of fuel wood/charcoal	46: _____
<u>Domestic business</u>	
47. Rice mill	47: _____
48. Trading	48: _____
49. Shop keeping	49: _____
50. Handicraft	50: _____
<u>Communication</u>	
51. Attending community meetings	51: _____
52. Resolving in-village conflicts	52: _____
53. Getting information from TV	53: _____
54. Getting information from Radio	54: _____
55. Political discussion with others	55: _____
56. Official letter writing	56: _____
<i>(to be continued)</i>	

Code for answer: 1. Usually 2. Sometimes 3. None

Your participation /
engagement
(See "Code")

Religious / cultural activities

- 57. Dance party 57:_____
- 58. Picnic 58:_____
- 59. Worship ceremony 59:_____
- 60. Sport events 60:_____
- 61. Playing music 61:_____
- 62. Drawing 62:_____

Code for answer: 1. Usually 2. Sometimes 3. None

B. Present concerns and collective actions related to them

	Degree of concern	Actions / participation in the past? (Y/N)	External assistance in the past? (Y/N)	Willing to take actions / participation? (Y/N)
1. Food availability	1_____	1_____	1_____	1_____
2. Fodder availability	2_____	2_____	2_____	2_____
3. Fuel wood availability	3_____	3_____	3_____	3_____
4. Paddy land availability	4_____	4_____	4_____	4_____
5. Upland availability	5_____	5_____	5_____	5_____
6. Grazing land availability	6_____	6_____	6_____	6_____
7. Slash and burn land availability	7_____	7_____	7_____	7_____
8. Fishing pond availability	8_____	8_____	8_____	8_____
9. Forest resources	9_____	9_____	9_____	9_____
10. Disease of livestock	10_____	10_____	10_____	10_____
11. Drinking water availability	11_____	11_____	11_____	11_____
12. Crop productivity	12_____	12_____	12_____	12_____
13. Cash income	13_____	13_____	13_____	13_____
14. Motorable roads	14_____	14_____	14_____	14_____
15. Maintenance of farm	15_____	15_____	15_____	15_____
16. Irrigation	16_____	16_____	16_____	16_____
17. Electricity supply	17_____	17_____	17_____	17_____
18. Mailing system	18_____	18_____	18_____	18_____

(to be continued)

Code for degree of concerns: 1. Strongly concerned
2. Concerned
3. Slightly concerned
4. Not concerned
5. No answer

	Degree of concern	Actions / participation in the past? (Y/N)	External assistance in the past? (Y/N)	Willing to take actions / participation? (Y/N)
19. Education of children	19_____	19_____	19_____	19_____
20. Education of myself	20_____	20_____	20_____	20_____
21. Health	21_____	21_____	21_____	21_____
22. Family planning	22_____	22_____	22_____	22_____
23. Sanitation	23_____	23_____	23_____	23_____
24. Land slide & soil erosion	24_____	24_____	24_____	24_____
25. Flood	25_____	25_____	25_____	25_____
26. Draught	26_____	26_____	26_____	26_____
27. Forest fire	27_____	27_____	27_____	27_____
28. Degradation of soil fertility in slash and burn area	28_____	28_____	28_____	28_____
29. Labor force availability	29_____	29_____	29_____	29_____
30. Dance party	30_____	30_____	30_____	30_____
31. Festival	31_____	31_____	31_____	31_____
32. Worship of religion	32_____	32_____	32_____	32_____
33. Political discussion	33_____	33_____	33_____	33_____
34. Community development	34_____	34_____	34_____	34_____
35. Security	35_____	35_____	35_____	35_____

- Code for degree of concerns:**
1. Strongly concerned
 2. Concerned
 3. Slightly concerned
 4. Not concerned
 5. No answer

C. (This question is only for those who answered "concern" or "strongly concern" about cash income in Question B-13.)

What kind of income sources do you want to improve or develop in your village for increase of cash income ?

(Choose up to 3 items in order of importance)

1. _____
2. _____
3. _____

Code for answer

- | | |
|--------------------------------|---|
| 1. Not applicable or no answer | 9. Timber plant and production |
| 2. Kao Na production | 10. Forest vegetables/ crops production |
| 3. Kao Hai production | 11. Coffee production |
| 4. Vegetables production | 12. Handicraft |
| 5. Fruits production | 13. Sericulture |
| 6. Livestock/ poultry raising | 14. Trading |
| 7. Fish culture | 15. Manufacturing of goods |
| 8. Fuel wood production | 16. Others |

D. (This question is only for those who answered "concern" or "strongly concern" about forest fire in Question B-27.)

What do you think could be done so as to prevent and/or stop forest fire ?

(Choose up to 3 items in order of importance)

1. _____

2. _____

3. _____

Code for answer

1. Not applicable or no answer
2. Make buffer zone before burn
3. Watch during burning
4. Consider wind direction for burning
5. Establish a penal regulation
6. Other (please specify : _____)

E. Importance of forest and measures to improve it.

Importance

(Choose up to 5 items)

1. _____

2. _____

3. _____

4. _____

5. _____

->

->

->

->

->

Measures / ideas to improve it

(Choose the most appropriate one)

1. _____

2. _____

3. _____

4. _____

5. _____

Code for importance

1. No answer
2. Source of Kao Hai
3. Source of fuel wood
4. Source of timber
5. Source of fodder/ grazing
6. Source of forest vegetables/ crops
7. Source of medicinal plants
8. Hunting sites
9. Function to conserve water
10. Function to conserve soils
11. Other (_____)

Code for measures to improve:

1. No answer
2. Tree planting in slash and burn areas
3. Tree planting in community forests
4. Determination of boundary for protection forest
5. Development of new paddy land
6. Increase of crops/ livestock productivity in the existing production system
7. Creation of new income sources
8. Use of improved stove to reduce fuel wood consumption
9. Use of other energy sources (gas, kerosene, etc.)
10. Other (_____)



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