

PD-ABS-301  
105188

**Angola Community  
Revitalization Projects**

**A Review of  
Accomplishments & Study  
of Impact**

**STATISTICAL ANNEXES**

**November 1998**

*Prepared for: Office of Transition Initiatives - USAID*

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*Under Contract number AOT-0000-C-00-5196-00*

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### Note:

This document is an accompanying volume to the report titled “**Angola Community Revitalization Projects - A Review of Accomplishments & Study of Impact – FINAL REPORT**”. As such, it should no be distributed separately from main document.

## Ap - A. Data Sources and Analysis

### 1. Data collection

The lion's share of this evaluation focuses on CRPs' impact and effectiveness. The primary rationale behind this is to explore whether the principles behind CRP implementation are valid, replicable and cost effective. To this end, formal surveys were conducted in 36 villages within two adjacent municipalities in the two provinces of Huambo and Benguela. These municipalities – Londuimbale and Balombo – were chosen for survey purposes for the following reasons:

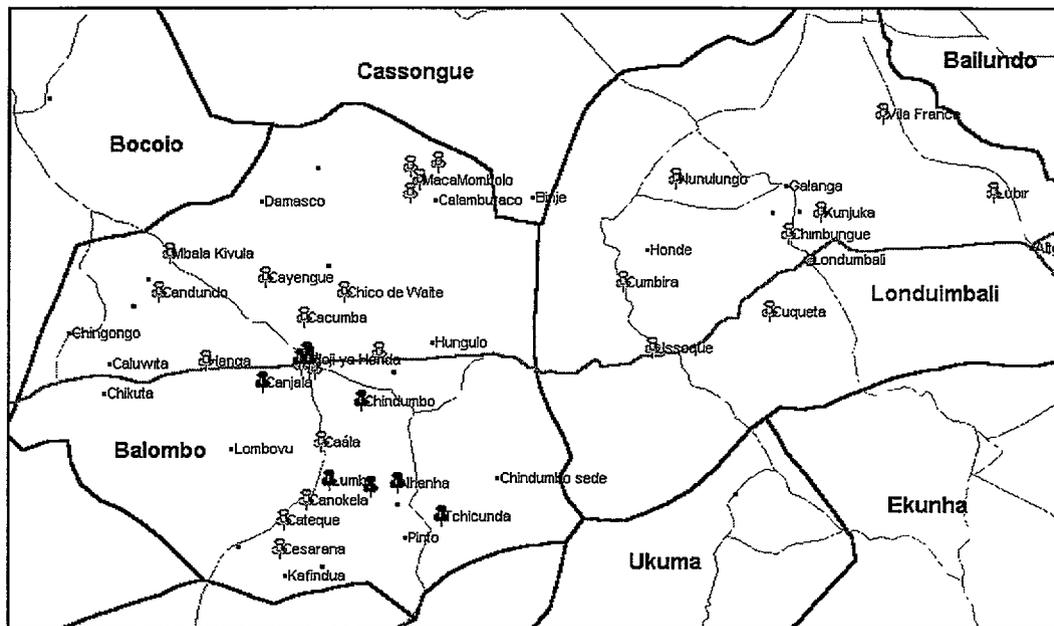
- The two municipalities are contiguous and represent what has always been a front line between UNITA and the MPLA. Villages are allied to either one faction or the other. In Londuimbale, all surveyed villages are affiliated with UNITA. Balombo represents the majority of CRP funding going to MPLA communities;
- Infrastructure degradation is roughly equivalent in both municipalities;
- The extension of state authority was pervasive throughout the area between September 1997 and June 1998. Although UNITA eventually took back many of the villages, resulting in a general deterioration of security, this was unknown both at the time of CRP implementation and survey implementation;
- Both municipalities have had a CAII field base and reflect a substantial investment in OTI funds;
- The base managers' implementation methodologies in the two municipalities were quite different, despite CRP guidelines. Balombo staff made concerted efforts in process (forming and nurturing associations, project-to-project linkages, attempts at programming for reconciliation) and documentation. Londuimbale worked through the UNITA structures only, and used *Grupos de Trabalho* by and large for distribution of materials. It also, unbeknown to CAII senior staff, offered incentives to workers and party members alike. These present the team with the opportunity to compare results between different implementation approaches and roughly same inputs applied to similarly affected communities;
- Finally, project staff had the level of trust required from the community members to allow for the use a formal questionnaire.

The survey sample was established as a self-weighting stratified random sample in the selected municipalities with high concentrations of affected populations and CRP interventions, considering villages sizes and random selection of respondents. The following table shows the distribution of our sample, disaggregated by municipality and commune, after invalid cases were eliminated.

**Sample distribution by Municipality and Commune**

			Count	Col %	
Municipality	Balombo	Commune	Chingongo	30	9.1%
			Macamombolo	68	20.7%
			Tchindumbo	145	44.1%
		Total	243	73.9%	
	Londuimbali	Commune	Alto Hama	24	7.3%
			Cumbira	6	1.8%
			Londuimbali	11	3.3%
			Ngalanga	19	5.8%
			Ossoque	26	7.9%
		Total	86	26.1%	

In order to facilitate the isolation of programmatic factors and their contribution to the achievement of project goals, the team identified and surveyed control communities in close proximity to sample communities in Balombo municipality, both in rural and peri-urban areas. The following map depicts the location of sample as well as control communities for the survey. Green pins indicate CRP beneficiary communities and red pins indicate control surveys.

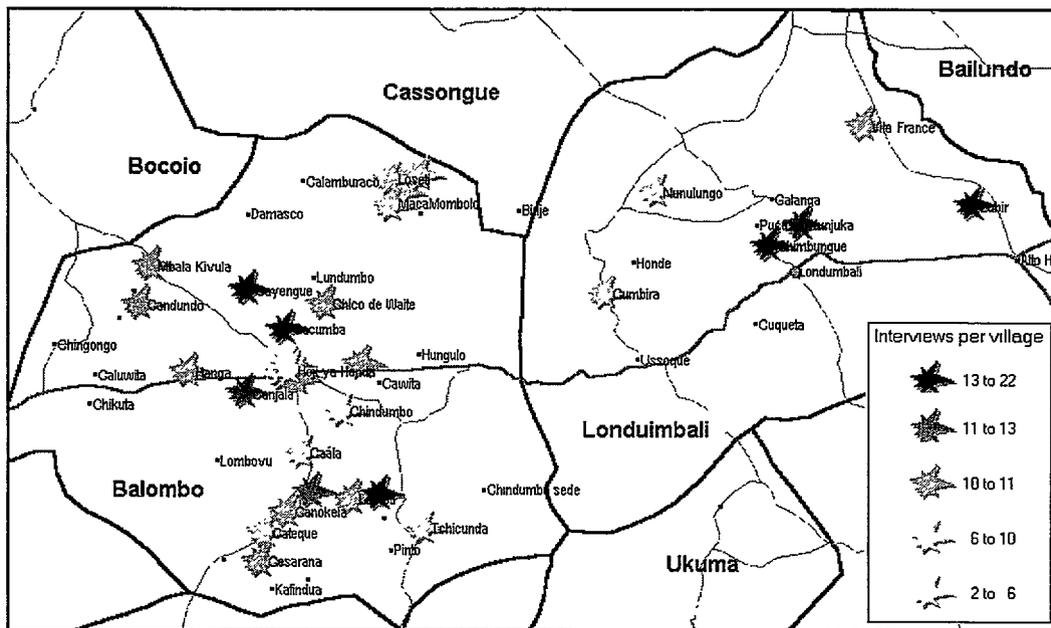


The following table indicates the representation of control surveys into the overall sample.

**Control community?**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Control	81	24.6	24.6	24.6
	CRPs	248	75.4	75.4	100.0
	Total	329	100.0	100.0	

The following map illustrates the density of interviews performed in each surveyed community. A list of all communities surveyed, cross-tabulated by commune, municipality, political control and control/CRP can be found in the appendices under "Raw statistical results"



The survey instrument also disaggregates responses by age and gender. In order to facilitate the analysis and presentation of results dependent in demographics, six different segments were defined based in age and gender. Thus, ages up to 30 were considered youth, based in a population segment that has grown in a war-torn society. Ages between 30 and 55 were considered adults and finally ages above 55 were considered elder. All this age categories were disaggregated by gender generating the distribution presented in the following table.

### Respondents' demographic distribution

		Municipality				Total	
		Balombo		Londumbali		Count	Col %
		Count	Col %	Count	Col %		
Demographic strata	Young male	51	21.3%	13	15.5%	64	19.8%
	Young female	27	11.3%	10	11.9%	37	11.5%
	Adult male	89	37.2%	30	35.7%	119	36.8%
	Adult female	22	9.2%	12	14.3%	34	10.5%
	Elder male	46	19.2%	18	21.4%	64	19.8%
	Elder female	4	1.7%	1	1.2%	5	1.5%
<b>Total</b>		239	100.0%	84	100.0%	323	100.0%

Special attention is given throughout the report when findings or lessons learned are dependent on different demographic strata and those results are presented in disaggregated form. For all results presented without gender or age disaggregation, no significant differences should be assumed.

Another important parameter considered for the presentation of results is the type of political control in the community under observation. The following table summarizes the number of valid interviews in communities under MPLA and UNITA<sup>1</sup>.

### Political control

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	MPLA	183	55.6	55.6	55.6
	Ex-UNITA	146	44.4	44.4	100.0
	<b>Total</b>	329	100.0	100.0	

## 2. Statistical results and interpretation of data

### a) Tables and other numeric data

Throughout the report and appendices with statistical data, many direct outputs from the statistical tools utilized for the analyses are presented. The objective of this direct representation is to provide the reader with access to the raw results of the analyses rather than a summary conclusion. For this reason, some of the information provided may be presented in unfamiliar

<sup>1</sup> Throughout the presentation of survey results UNITA controlled communities are identified as "Ex-UNITA". This is because as per the Lusaka protocol all this communities are supposed to become GURN areas. This transfer in control is currently changing and not likely to occur in many areas.

formats for some readers. The following definitions attempt to facilitate the reading of raw statistical outputs.

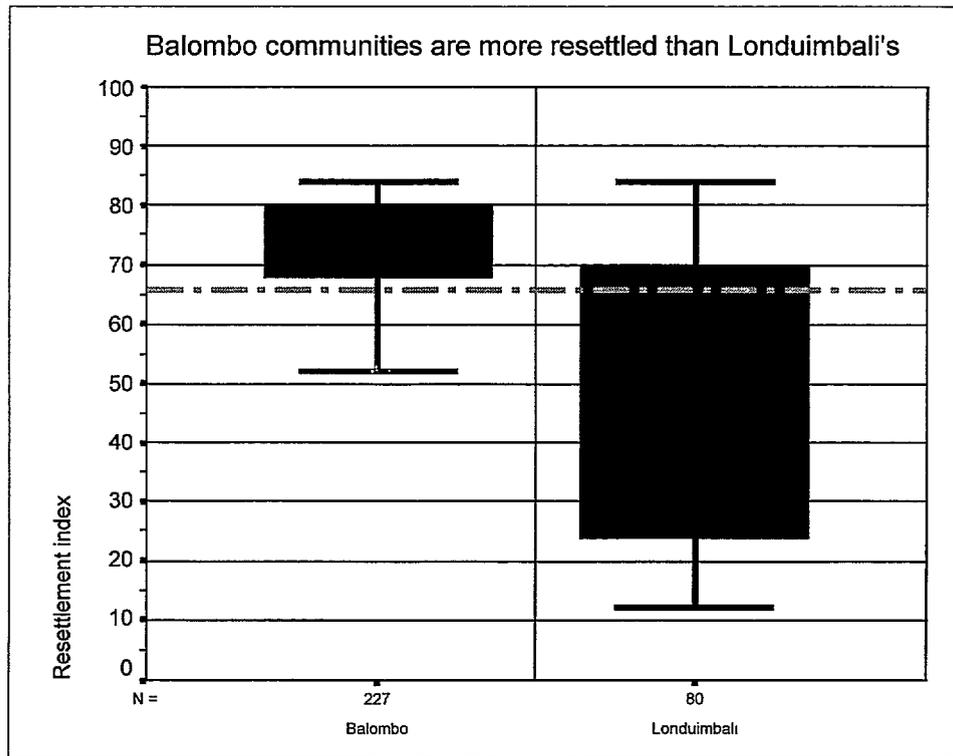
<i>Case:</i>	each of the valid interviews held for the data gathering activity.
<i>Missing case:</i>	a case, in which at least one of the parameters under observation is not available, therefore cannot be counted as part of the valid cases.
<i>System missing:</i>	type of missing case. Value not available in the survey data.
<i>User missing:</i>	type of missing case. Value defined as invalid; either a "N/A" or a response outside the valid range.
<i>Frequency:</i>	indicates the number of cases valid for the selected category or option represented.
<i>Count or "N=":</i>	number of cases for the indicated category.
<i>Percent:</i>	percent distribution of all available cases, including missing cases as a valid category.
<i>Valid percent:</i>	percent distribution of all valid cases not including missing cases as a valid category. When all observations are valid, the percents and valid percents are coincident.
<i>Cumulative percent:</i>	shows the addition of percentages counting the previously presented categories and the current one. This facilitates the reading of cumulative results for "better than..." or "worst than..." representations.
<i>Percentage of cases:</i>	when multiple responses were allowed for a single question, this represents the percentage of cases that have selected this option in the overall distribution. All options add up to 100%.
<i>Percentage of responses:</i>	when multiple responses were allowed for a single question, this represents the incidence of the specific response in a potential 100% of cases. That is the same as asking how many of the respondents have selected this option. This percentage relates to the specific response and therefore for different options can add up to over 100%.
<i>Mean:</i>	measure of central tendency. The arithmetic average; the sum of values divided by the number of cases.

- Median:* the line or value that separates the population in halves for any given parameter. In a normally distributed (symmetrical) population, the median is coincident with the mean (or arithmetic average for quantitative observations). This evaluation utilizes the median as the reference for evaluating opinions because it better represents the abnormal distribution found in these populations.
- Value and variable labels:* each variable under examination has been given a rank value (or code) representing the respondents' answers. This numeric value is used for data processing and analyses. In order to facilitate the reading of information, each possible value has been assigned with a label that describes its meaning, and output information provides these values and labels. The variable label describes the question made to the respondent.
- Column %:* Percent representation of cross-tabulated results in the indicated cell as per its column.
- Row %:* Percent representation of cross-tabulated results in the indicated cell as per its row.
- Table or Layer %:* Percent representation of cross-tabulated results in the indicated cell as per the overall table.

**b) Graphical representation of dispersions**

Boxplots charts are used extensively throughout the report as a useful representation of the distribution of any given set of responses as a function of any other factor. Many conclusions and analyses are based on information extrapolated from boxplot graphics, and due to their unfamiliar way of representing results, a detailed example is provided.

The following boxplot demonstrates that Balombo respondents considered themselves more resettled than respondents interviewed in the Londuimbale municipality. The boxplot also allows for a representation of the ranges, distributions and medians.



- Each category of responses for the municipality surveyed is represented (Balombo and Londuimbale).
- The range of resettlement index<sup>2</sup> for each group of responses is shown as the black vertical lines for each category municipality
- These vertical lines are called “whiskers” and the bottom one represents the population falling within percentile 0 and 25<sup>th</sup>, while the upper whisker is the distribution of population within percentiles 75<sup>th</sup> and 100<sup>th</sup>.
- The rectangular red boxplots show the resettlement index’s dispersion for each municipal category — these red rectangles depict the concentration of responses that fall between 25 percent and 75 percent of all cases within each population or the middle 50% of the respondents.
- The blue horizontal dotted lines within each population’s dispersion show the median for each population — the point at which half of the sample falls above and half below.
- The chart reveals how the median for the resettlement index increases in Balombo in relation to Londuimbale.
- Finally, the green dash-dot line represents the median for the overall population independently of the categories (municipalities).

<sup>2</sup> The description of the resettlement index and its components is addressed below.

### 3. Resettlement, reintegration and development indices

#### a) CREA Angola definitions

As stated in the core report, the project goals are to support communities to make the transition from emergency relief to sustainable development. To achieve this goal CREA Angola's program focus in three programmatic components or strategic objectives. For program design purposes, these objectives are:

**Resettlement:** the return of internally displaced populations (including demobilized and their families) to places where they plan on staying for the long-term. *The program strategic objective of resettlement is to improve community stability.*

**Reintegration:** the processes in which individuals or communities re-establish / rehabilitate social patterns and infrastructure and do not perceive the causes of warfare and/or violence as inhibitors to social interaction. *The program strategic objective of reintegration is to rehabilitate community social infrastructure.*

**Development needs:** the range of possible community and individual material needs that go beyond emergency or relief assistance, and address short- and mid-term economic needs. *The program strategic objective for development needs is to revitalize traditional economic patterns.*

#### b) Variables reduction and aggregation

As mentioned before, community members' opinions were collected through a formal survey instrument in the areas under observation. This instrument contains about 60 different questions related to their resettlement, reintegration and developmental needs<sup>3</sup>. Some of these were organized as multiple-response options and thus, a dataset of over 100 variables was generated.

Although this dataset is fundamental for analyzing all the underlying elements and dynamics of the communities' transition from relief to development, its direct analysis does not help CREA Angola and USAID/OTI in understanding the contribution of programming towards the achievement of project's goals. In order to facilitate the representation of results and to assess direct contribution of programming towards program objectives, a variable reduction process was applied. This consisted in the identification of key questions, corresponding to key indicators as defined in the project documents and M&E plan, and aggregating these into three indices representing comparative levels of resettlement, reintegration and developmental needs.

The resulting indices *do not* attempt to be an objective measurement of the resettlement, reintegration or development of the communities under observation. These indices are not generalizable, that is, they cannot be considered properly validated to allow for objective measurements in other environments or scenarios. They only attempt to represent a comparison

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<sup>3</sup> A copy of the survey instrument is provided in the appendices.

among the communities under observation in order to isolate the factors that contributed to the achievement of the project goals.

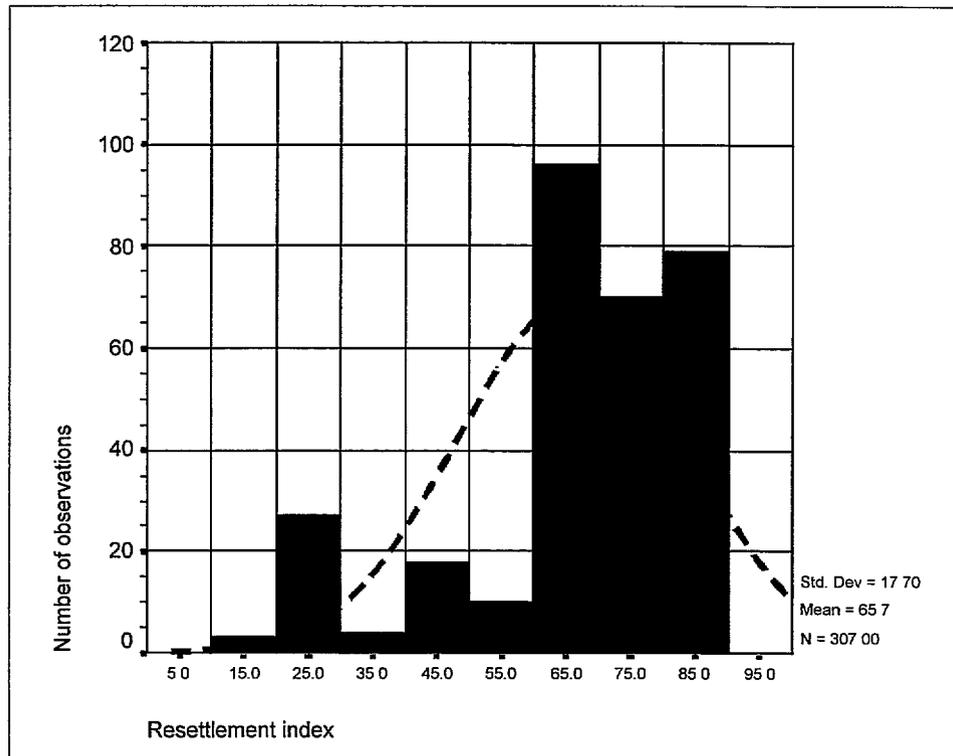
The use of the indices will allow the team to present geographical dispersions of results, program interventions contributions and other parameters against the combination of variables that constitute the indices. When more in-depth information or analysis is required, the results represented by individual variables will be presented.

c) *Resettlement Index*

This indication of the level of resettlement achieved by the communities under observation comprises five non-weighted elements. The responses from the survey included in the calculation of this index are:

- *Q\_1* – Do you perceive an increase in the movement of people and goods to the main markets?
- *Q\_2* – Do you perceive an increase in the number of visits from family members to the community? Why?
- *Q\_4* – Have you attended to any religious ceremonies or activities this year?
- *Q\_5* – Are there more artisans (masons, carpenters, tinsmiths, shoemakers) in the community offering their products?
- *Q\_11* – Have the traditional leaders from your area during the times of war returned to the community?

These five elements of the survey were combined and spanned to represent a comparative resettlement indication in a scale from 0 to 100. The following histogram illustrates the distribution of the resulting values for the resettlement index.



In the previous chart, the red bars represent the number of observations (survey questionnaires) for each of the ranges in the index. The blue dashed line represents the normalized distribution of the index.

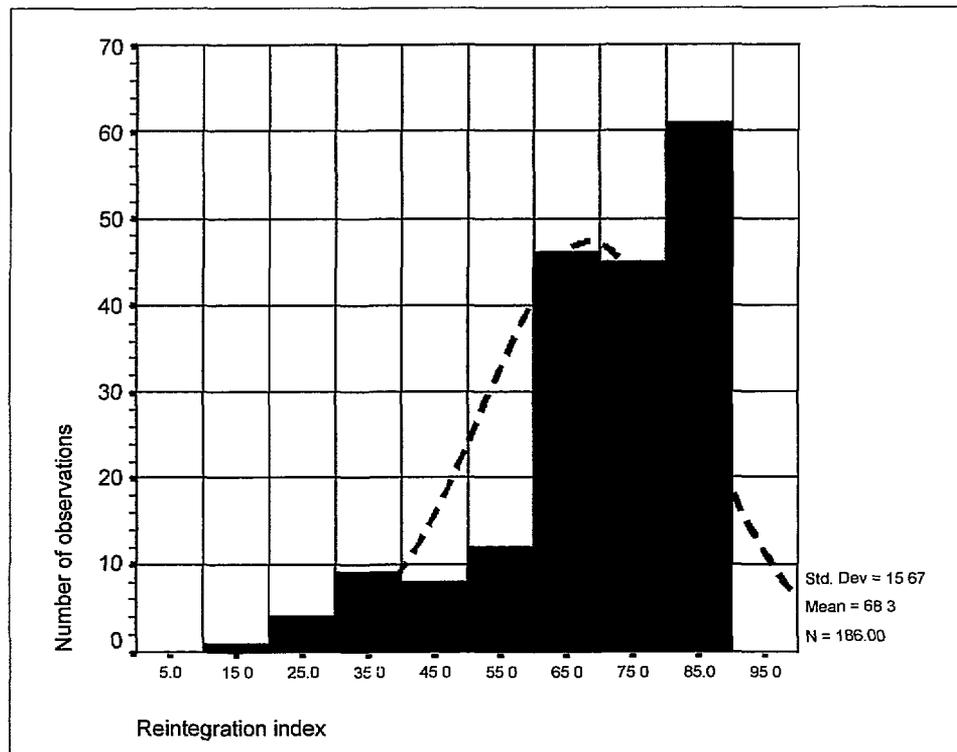
d) *Reintegration index*

The reintegration index represents in a comparative fashion the level of integration achieved by the communities under observation. The program strategic objective of reintegration is to rehabilitate community social infrastructure, thus, the following indication of reintegration were utilized to build the index.

- Q\_13 – Has the community received the visit of representatives of ministries during the last year?
- Q\_14 – During the last year, has your cultivated area increased or it remained the same?
- Q\_27 – Have adobe houses been built in the community during the last year?
- Q\_37 – Have you worked in the repair/building of your church during the last year?
- Q\_39 – Have there been an increase in the number of traditional ceremonies during the last year?
- Q\_44 – Are you planning to build (granary/coops/well/bee hives/corrals/tree nursery/buganvillas) in the future?

These six elements characterized through the survey questions were combined and spanned to represent a comparative reintegration indication in a scale from 0 to 100. The following histogram illustrates the distribution of the resulting values for the reintegration index.

The following histogram represents the distribution of observations for the reintegration index. Each red bar shows the number of cases for each range in the index and the blue dashed line the normalized distribution of the index.



e) *Development index (developmental needs)*

The development index was utilized as an indication of the range of potential short and mid term economic needs which go beyond the stage of immediate humanitarian relief activities. Communities and individuals able to address these needs have successfully made the transition from the relief to the development stages.

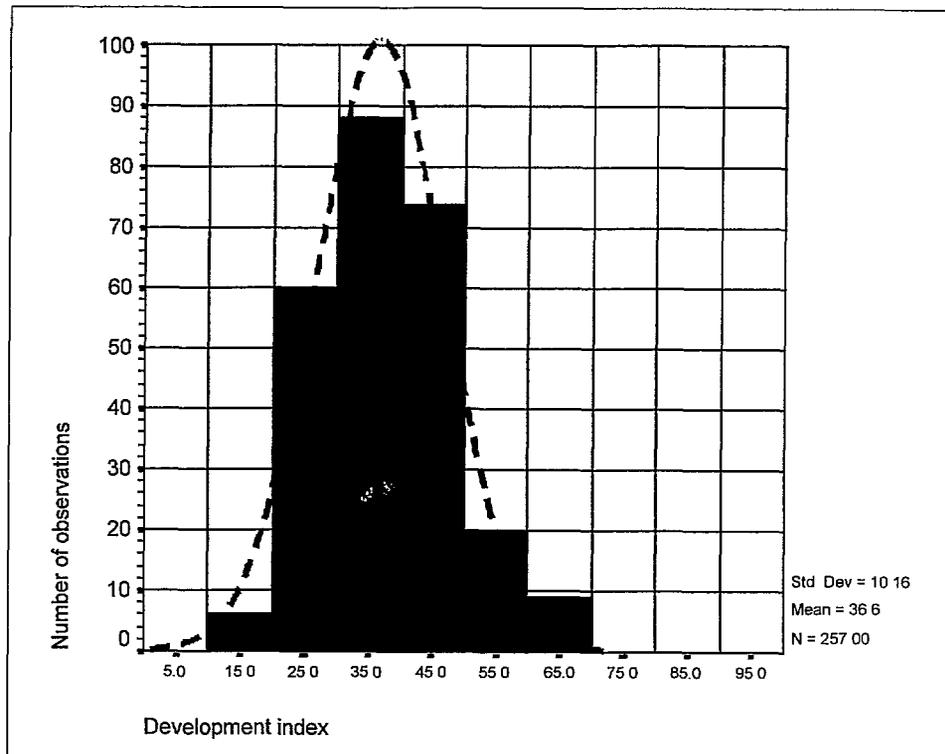
The elements compiled into the development index are:

- **Q17\_18** – This is a combination of two separate questions identifying the change in oxen access and utilization patterns. Q\_17 asks about the utilization of oxen for planting in the past; Q\_18 rephrased the question in terms of the last planting season. The parameter under observation is the variation between the two towards higher use of oxen for increase agricultural yields.

- Q\_20 – Do you have more seeds for planting now than in the past?
- Q\_23 – Do you have more agriculture products to trade this year compare the last one?
- Q\_26 – Have the bridges or roads been repaired this year? In that case, with whom? This is a multiple response question in which a higher value was given to community initiatives without NGO involvement.
- Q\_31 – Are there more small animals and poultry available this month as compared with a year ago?
- Q\_35 – Do you have more cattle? If this is the case, do you have more cattle now than last year?
- Q\_42 – Has there been an increase in the traffic of vehicles to the community?

Once again, the elements represented by the selected questions in the survey were combined and spanned to represent a comparative development indication in a scale from 0 to 100. The following histogram illustrates the distribution of the resulting values for the development index.

The following histogram depicts the distribution of results for the development index.



#### 4. Constraints in the data collection phase

Angola presents a challenge to anyone required to utilize formal methodologies to survey the population, particularly in those areas hardest hit by the fighting. Obstacles for the data gathering phase of this activity have included:

- Distrust, fear and suspicion by both factions' administrations of the intents and purposes of formal surveys.
- Distrust, fear and suspicion within the civilian population of the intents and purpose of formal questions and responses registered in questionnaires.
- Physical security and access to some of the communities under study.
- Lack of reliable baseline data, mostly for the reasons expressed above.

##### a) *Physical security and access*

After years of war, distrust of strangers' and/or organizations' questions and motives are endemic in both MPLA and UNITA regions<sup>4</sup>. At the time of the survey (June 1998), security in the *planalto* was deteriorating. This was the time of the endgame of the Lusaka Protocol, when UNITA was to cede control over three of its strongholds: Inharea, Andulo and Bailundo<sup>5</sup>. UNITA halted government extension of authority, if not by overt force then by their abandonment, in the face of threats, by MPLA administrations. Events made everyone tense and anxious of the future, and the survey was feared by many to be an instrument for espionage or other dark, ulterior motives. These factors ruled Bailundo out of the potential sites for study, although it was previously considered a priority survey area. Survey activities were then implemented in the Balombo and Londuimbale municipalities.

The security situation has gotten worse since the surveying in June. During the month of November, when this report was written, there were attacks daily<sup>6</sup> throughout the Londuimbale and Balombo municipalities. According to interviewees, these attacks were mostly brigandage and banditry, the attackers elements of the FAA, the *Defesa Civil*, and rogue UNITA units. MPLA administration and victimized populations alike claimed that the attacks were not organized political or military actions. However, the week of November 10<sup>th</sup> a strong UNITA force under a well-known commander attacked Alto Hama, a major trading center on the Lobito – Huambo corridor. The FAA was sent in and dislodged them. This action made villages throughout the regions fearful of renewed war, with *sobas* arriving in Balombo to request arms to defend themselves.

<sup>4</sup> One example of UNITA's paranoia was their prohibiting CREA Angola staff who worked on the MPLA side of the program from visiting Bailundo after April 1998. Reasons given to the Country Director and Program Auditor were that the two individuals were "spies", and their safety could not be guaranteed.

<sup>5</sup> As it turned out, state extension of authority to these towns never occurred.

<sup>6</sup> During the first week of November alone, when the qualitative probes were to begin, three attacks within 15 kms of Balombo *sede* left 10 dead.

The violence has had its impact on the evaluators' access to villages in Londuimbale for qualitative probes. It has also restricted access for qualitative interviews to southern Balombo municipality, and east along the Lobito – Balombo road<sup>7</sup>.

b) *Evaluation constraints in UNITA-controlled areas*

Suspicion and fear has been especially prevalent in those regions under UNITA's control. In most UNITA areas we worked, we found we could not overcome these traits to perform a formal survey. Staff felt that even attempting such might put surveyors in danger in Mungo and Bailundo. Nonetheless, appropriate cultural indicators for resettlement, reintegration and development needs were prepared with staff from these areas since they are also from the Ovimbundo tribe (the culture with which all CRPs were implemented), and they were trained in the methodology in the hopes that the political barriers against surveying would be surmounted. Unfortunately, this was not to be in Bailundo and Mungo municipalities.

Those UNITA areas surveyed in Balombo and Londuimbale had up to nine months' state extension of authority, with many of the hardcore UNITA leaders having withdrawn to other areas. This notwithstanding, the survey questions regarding demobilized caused obvious discomfort among the majority of interviewees.

c) *Evaluation constraints in MPLA areas*

MPLA areas presented different challenges. The foremost of these was the population's notion of the survey's intent, which by and large was believed to indicate where more assistance would be placed. Such notions impelled the Balombo administrative staff to send down the chain of command (i.e., to the *sobas* and their sub-chiefs) that interviewees were to paint as grim a picture as possible in the hopes of more benefits to follow<sup>8</sup>. The population as well has been subject to numerous surveys done by relief organizations, and well know that most of these are done with the ultimate objective of deciding whether items relief items such as food, seeds and tools depend on their response.

d) *Baseline data*

OTI's mandate and directions were to establish a field presence promptly, and start CRPs as quickly as possible. What little baseline data that was available was untrustworthy. For example, both sides' administrations routinely inflate population numbers in the hopes that more assistance will be forthcoming (this strategy has been successful when assistance is for immediate relief). Civilians also put the worst possible light on their situation, assuming that this would contribute to influence donors' opinions and thus they would receive further assistance.

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<sup>7</sup> See interview maps before.

<sup>8</sup> An ex-official in the Ministry of Agriculture, Balombo, related this to the Program Auditor.

## Ap - B. Survey Instrument

### Questões para inquéritos individuais

Comunidade: \_\_\_\_\_

1- Houve algum aumento no comércio de pessoas rumo ao mercado principal?

0-NR 1-Não 2-Pouco 3-Sufic. 4-Muito 5-Bastante

2- Registou-se algum aumento no número de visitas familiares e de outros à comunidade?  
Caso seja afirmativo, porquê?

0-Não responde

1-melhoramento das estradas/pontes

2-maior disponibilidade de produtos agrícolas para venda

3-maior disponibilidade de mercadoria para compra no mercado

4-melhoria da situação do processo de paz

5-outro

3- Veio este ano mais pastores / padres para a comunidade?

0-NR 1-M. menos 2-Menos 3-Igual 4-Mais 5-M. mais

4- Tens assistido alguns jubileus / congregação ou algum congresso religioso este ano?

0- NR 1-Não 2-Pouco 3-Suficiente 4-Muito 5-Bastante

5- Está para aparecer mais pedreiros / carpinteiros / funileiros / sapateiros na comunidade produzindo seus produtos?

0-NR 1-Não 2-Pouco 3-Suficiente 4-Muito 5-Bastante

6- Ha caçadores na comunidade? Caso afirmativo, eles vão mais longe da comunidade para fazer a caça? Caso afirmativo, porque? Menos animais perto da comunidade? Sentem-se mas seguros caçar longe da comunidade?

7- Algum membro da sua família regressou para viver em casa no decorrer do último ano?

0- NR 1-Militar 2-Desmobilizado 3-Civil 4-Outros

8- Algum membro da sua família deixou de viver na comunidade ao longo dos últimos 12 meses? Caso afirmativo, porquê?

0- NR 1-estudos 2-trabalho 3-outras razões

9- Entraram novas famílias para viver na comunidade ao longo dos último ano? Caso afirmativo, tratavam-se:

0-NR

1-de um par de famílias

2-de um número de dez a vinte famílias

3-de mais de vinte famílias

10- Regressaram famílias de desmobilizados?

0-NR 1-Nada 2-Pouco 3-Algo 4-Muito 5-Bastante

11- Houve algum regresso de líderes tradicionais que fugiram das suas áreas durante os anos de guerra?

0-NR 1-Nada 2-Pouco 3-Algo 4-Muito 5-Bastante

12- Houve na sua comunidade algum aumento a nível dos trabalhos comunitários? Caso seja afirmativo, tratou-se de:

0-NR

1-reabilitação de igrejas

2-reabilitação de escolas

3-reparação de estradas/pontes

4-abertura/limpeza de cacimbas

5-Cooperação de carruagem de terra

6-Construção de tulhas

7-restauração de postos de saúde

8-limpeza de terrenos

9-reabertura de valas para irrigação

10-(re)construção de barragens

13- A comunidade recebeu visitas de funcionários de algum Ministério durante o último ano?

0-NR 1-M. menos 2-Menos 3-Igual 4-Mais 5-M. mais 6- Não

14- O terreno onde cultivaste o ano passado aumentou ou mantém-se.

0-NR 1-M. menos 2-Menos 3-Igual 4-Mais 5-M. mais

15- São os mesmos cultivos ou novos?

0-NR 1-Mesmos 2-Novos

16- De quais fontes conseguiste as sementes?

0-NR

1-comunidade / troca

2-praça

3-CREA

4-outra organização

5-governo

17- No passado, alguma vez você semeou empregando bois?

0-NR 1-Nao 2-Pouco 3-Suficiente 4-Muito 5-Bastante

18- Empregou bois durante esta estação de plantio?

0-NR 1-Sim->passe a 20 2- Não->passe a 19

19- Pensa que no futuro será capaz de plantar com o emprego de bois ?

0-NR 1-Sim 2- Não

20- Tem mais sementes este ano para semear do que durante a última estação?

0- Não 1-M. menos 2-Menos 3-Igual 4-Mais 5-M. mais 6-NR

21- Tem algum tipo de sementes nesta estação para semear que não tiveste no ano passado?

0-NR 1-Sim 2- Não

22- Está-se a vender mais artesanato na praça este ano que no ano passado? Caso seja afirmativo, quais?

0-NR

1-alfaiates/costureiros

2-fabricantes de cestos

3-oleiros

4-sapateiros

5-ferreiros

6-funileiros ou ratoeiras

7-apicultura (mel)

8-panelas de barro

9-esteiras

10-quintas

11-carpintaria

12-Outros

23- Tem mais produtos agrícolas para trocar este ano em relação o ano passado?

0-NR 1- Não 2-Menos 3-Igual 4-Mais 5-Muito mais

24- Qual foi a ameaça mais forte para os seus produtos agrícolas este ano?

0-NR

1-praga

2-pestes

3-roubo

4-estiagem

5-inundacao

6-Inestabilidade política

7-outro

25- Repararam valas de irrigação durante este ano?

0-NR 1-Sim 2- Não

26- Foram reparadas pontes ou estradas nos últimos 12 meses? Caso seja afirmativo, com quem?

0-NR

1-somente a comunidade com o *soba*?

2-a comunidade com o patrocínio da CREA?

3-o Governo?

4-outra ONG?

5-qualquer outra entidade?

27- Construiu-se alguma casa de adobe na comunidade durante o último ano?

0-NR 1-Não 2-Pouco 3-Sufic. 4-Muito 5-Bastante

28- Construístes casa de adobe este ano?

0-NR 1-Sim 2- Não

29- Tens mais pessoas morando na tua casa este ano em relação ao ano passado?

0-NR 1-Não 2-Pouco 3-Sufic. 4-Muito 5-Bastante

30- Fizeste alguma reparação ou construção como as seguintes no ano passado:

30.1-cozinha

0-NR 1-Sim 2- Não

30.2-latrina

0-NR 1-Sim 2- Não

30.3-cerco ou quintal

0-NR 1-Sim 2- Não

30.4-Outro

0-NR 1-Sim 2- Não

31- Comprou mais porcos, galinhas, cabritos, etc. ou aves este ano do que há um ano atrás?

0-NR 1-Não 2-Pouco 3-Sufic. 4-Muito 5-Bastante

32- Caso seja afirmativo, que tipo de animais?

0-NR

1-galinhas

2-porcos índios

3-porcos

4-cabras

5-patos

6-ovelhas

7-pombas

8-coelhos

9-colmeias-abelhas

10-outros

33- Espera comprar algum animal pequeno depois da próxima colheita?

0-NR 1-Sim 2- Não

34- Caso seja afirmativo, que tipo de animal ou ave?

0-NR

1-Não tem decisão

2-galinha

3-porcos índios

4-porcos

5-cabras

6-patos

7-ovelhinhas

8-pombas

9-coelhos

10-colmeias-abelhas

11-outros

35- Tens gado? Caso seja afirmativo, tens mais gado este ano que no ano passado?

0-NR 1-M. menos 2-Menos 3-Igual 4-Mais 5-M. mais

36- Conseguiste bois no ano passado?

0-NR 1-Sim 2- Não

LL

37- Conseguiu enxadas e outros instrumentos agrícolas nos últimos 12 meses? Caso afirmativo, de onde:

0-NR

1-comunidade / troca

2-praca

3-CREA

4-outra organização

5-governo

37- Trabalhou na reparação ou na construção da sua igreja durante o último ano?

0-NR 1-Sim 2- Não

38- Os muros da igreja são feitos:

38.1- De capim?

0-NR 1-Sim 2- Não

Se é de capim, você e a sua congregação esperam construir uma de adobe no próximo ano?

0-NR 1-Sim 2- Não

38.2- De adobe?

0-NR 1-Sim 2- Não

Se é de adobe, construíram uma nova ou repararam a que já existia?

0-NR 1-Sim 2- Não

38.3- De tijolo?

0-NR 1-Sim 2- Não

Se é de tijolo, a construção já existia ou tiveram de trazer tijolos de uma outra área?

0-NR 1-Já existia 2- Trazerem de uma outra área

39- Nos últimos 12 meses, houve algum aumento nas cerimónias tradicionais realizadas na comunidade?

0-NR 1-Não 2-Pouco 3-Sufic. 4-Muito 5-Bastante

40- Caso seja afirmativo, essas cerimónias tratavam-se de quê?

0-NR

1-óbitos daqueles que faleceram recentemente?

2-óbitos daqueles que faleceram há anos?

3-casamentos de novos nubentes?

4-casamentos de casais que já se encontravam a viver há alguns anos?

5-outras cerimónias tradicionais?

41- Nos últimos 12 meses houve algum aumento nas cerimónias religiosas?

0-NR 1-Não 2-Pouco 3-Sufic. 4-Muito 5-Bastante

42- Nos últimos 12 meses houve algum aumento no tráfego de veículos para a comunidade?

0-NR 1-Não 2-Pouco 3-Sufic. 4-Muito 5-Bastante

43-Nos últimos 12 meses, você:

43.1- plantou alguma árvore frutífera ou madeira ou arbusto em sua casa?

0-NR 1-Sim 2- Não

43.2- bagavilia?

0-NR 1-Sim 2- Não

43.3- construiu algum celeiro ou tulha?

0-NR 1-Sim 2- Não

43.4- construiu algum poleiro de pombas?

0-NR 1-Sim 2- Não

43.5- abriu / limpou cacimba a sua cacimba?

0-NR 1-Sim 2- Não

43.6- Colmeia?

0-NR 1-Sim 2- Não

43.7- Capoeira?

0-NR 1-Sim 2- Não

43.8- buraco de composto?

0-NR 1-Sim 2- Não

43.9- Corral?  
0-NR 1-Sim 2- Não

44- Planeia construir algumas destas coisas no futuro?  
(0-NR 1-Nada 2-Pouco 3-Algo 4-Muito 5-Bastante)

45-Quantos pratos tens em casa?

0-NR  
1- 1 -> 5  
2- 6 ->10  
3- mais de 10

46-Estas são as mesmas quantidades do ano passado?

0-NR 1-M. menos 2-Menos 3-Igual 4-Mais 5-M. mais

47-Quantas panelas tens em casa?

0-NR  
1- 1  
2- 2 -> 4  
3- mais de 4

48- Estas são as mesmas quantidades do ano passado?

0-NR 1-M. menos 2-Menos 3-Igual 4-Mais 5-M. mais

49- Quantas bacias tens na casa?

0-NR  
1- 1  
2- 2 -> 4  
3- mais de 4

50- Estas são as mesmas quantidades do ano passado?

0-NR 1-M. menos 2-Menos 3-Igual 4-Mais 5-M. mais

51- Existe qualquer outra organização a operar na área?

0-NR 1-Uma 2-Varias

52- A sua família está envolvida em projectos de outras ONG's?

0-NR 1-Sim 2- Não

53- Você e natural daqui?

0-NR 1-Sim 2- Não

54- Caso seja negativo, de onde és?

Descrever...

55- Faixa etária

56- Género

0-N/A

1-masculino

2-feminino

57- Sois quantas pessoas na sua casa?

Número...

58- Beneficiou directamente dos CRP's? Caso afirmativo, quais?

0-NR

1-Escolas

2-Distribuição geral de sementes/alfaias agrícolas

3-Moínhos

4-Estradas e Pontes

5-Formação

6-Micro-Empresas

7-Outras

59- É membro de alguma associação patrocinada pela CREA Angola? Caso afirmativo, qual?

0-NR

1-Grupo de trabalho

2-ONG

3-Outra organização comunitária

4-Viveiros e sementeiras rurais

5-Ferreiro

6-Moinho

7-Agro-pecuária

8-Associação de produção de ananás (abacaxis?)

9-Trigo

10-Hortícolas e batatas

11-Outros

## Ap - C. Raw statistical results

### 1. General survey data

Municipality					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Balombo	243	73.9	73.9	73.9
	Londuimbali	86	26.1	26.1	100.0
	Total	329	100.0	100.0	

Commune					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Alto Hama	24	7.3	7.3	7.3
	Chingongo	30	9.1	9.1	16.4
	Cumbira	6	1.8	1.8	18.2
	Londuimbali	11	3.3	3.3	21.6
	Macamombolo	68	20.7	20.7	42.2
	Ngalanga	19	5.8	5.8	48.0
	Osooque	26	7.9	7.9	55.9
	Tchindumbo	145	44.1	44.1	100.0
	Total	329	100.0	100.0	

Interviews per location (political)					
			Political control		
			MPLA	Ex-UNITA	
Balombo	Chingongo	Candundo	10		
		Hanga	10		
		Mbala Cioula	10		
Macamombolo		Cacumba	14		
		Caienge	14		

		Camama	8	
		Chico de Waite	10	
		Loseta	8	
		Macamombolo	8	
		Ndungo	6	
	Tchindumbo	Angola Cuba	5	
		Barragem	5	
		Caala	8	
		Cahata	10	
		Canjala	11	
		Canoquela		10
		Cateque	6	
		Cesarana	10	
		Chisequele	10	
		Cindumbu	2	
		Furtim	5	
		Hoje Ya Henda	3	
		Libata	5	
		Lometi		10
		Lumbo		11
		Nhanha		22
		Tchicunda		7
		Valodia	5	
Londuimbali	Alto Hama	Lubir		14
		Vila Franca		10
	Cumbira	Cumbira		6
	Londuimbali	Kunjuka		11
	Ngalanga	Chibumpe		13
		Nunulungo		6
	Ossoque	Coqueta		13

		Ossoque		13
Total			183	146

Interviews per location (control)

			Control community?
			Control CRPs
Balombo	Chingongo	Candundo	10
		Hanga	10
		Mbala Cioula	10
	Macamombolo	Cacumba	14
		Caienge	14
		Camama	8
		Chico de Waite	10
		Loseta	8
		Macamombolo	8
		Ndungo	6
Tchindumbo	Angola Cuba	5	
	Barragem	5	
	Caala	8	
	Cahata	10	
	Canjala	11	
	Canoquela	10	
	Cateque	6	
	Cesarana	10	
	Chisequele	10	
	Cindumbu	2	
	Furtim	5	
	Hoje Ya Henda	3	
Libata	5		
Lometi	10		

		Lumbo	11	
		Nhanha	22	
		Tchicunda	7	
		Valodia		5
Londuimbali	Alto Hama	Lubir		14
		Vila Franca		10
	Cumbira	Cumbira		6
	Londuimbali	Kunjuka		11
	Ngalanga	Chibumpe		13
		Nunulungo		6
	Ossoque	Coqueta		13
		Ossoque		13
Total			81	248

Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	249	75.7	76.4	76.4
	Female	77	23.4	23.6	100.0
	Total	326	99.1	100.0	
Missing	System	3	.9		
Total		329	100.0		

Demographic strata

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Young male	64	19.5	19.8	19.8
	Young female	37	11.2	11.5	31.3
	Adult male	119	36.2	36.8	68.1
	Adult female	34	10.3	10.5	78.6
	Elder male	64	19.5	19.8	98.5

	Elder female	5	1.5	1.5	100.0
	Total	323	98.2	100.0	
Missing	System	6	1.8		
	Total	329	100.0		

Are you original from this place?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	249	75.7	76.4	76.4
	No	77	23.4	23.6	100.0
	Total	326	99.1	100.0	
Missing	System	2	.6		
	Total	3	.9		
	Total	329	100.0		

Are you original from this place? \* Municipality Crosstabulation

		Municipality		Total	
		Balombo	Londumbali		
Are you original from this place?	Yes	Count	174	75	249
		% within Municipality	71.9%	89.3%	76.4%
	No	Count	68	9	77
		% within Municipality	28.1%	10.7%	23.6%
Total	Count	242	84	326	
	% within Municipality	100.0%	100.0%	100.0%	

Reasons	Improved peace situation	Responses	Col Response %
		271	96.4%

for increased visitors	Improved roads/bridges	266	94.7%
	Increased availability of merchandise	205	73.0%
	Increased availability of ag. products	92	32.7%
	Others	16	5.7%
Total		850	302.5%

2. Tables of frequencies

Have you perceived an increase in people travelling to the market?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	38	11.6	11.7	11.7
	Little	14	4.3	4.3	16.0
	Some	9	2.7	2.8	18.8
	Much	258	78.4	79.4	98.2
	Very much	6	1.8	1.8	100.0
	Total	325	98.8	100.0	
Missing	N/A	3	.9		
	System	1	.3		
	Total	4	1.2		
Total		329	100.0		

Have you seen more priests in this year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less	12	3.6	4.2	4.2
	Less	13	4.0	4.5	8.7
	Same	122	37.1	42.5	51.2
	More	137	41.6	47.7	99.0
	Much more	3	.9	1.0	100.0

	Total	287	87.2	100.0	
Missing	N/A	34	10.3		
	System	8	2.4		
	Total	42	12.8		
Total		329	100.0		

Did you have any religious activities this year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	69	21.0	21.4	21.4
	Little	32	9.7	9.9	31.3
	Some	58	17.6	18.0	49.2
	Many	159	48.3	49.2	98.5
	Lots	5	1.5	1.5	100.0
	Total	323	98.2	100.0	
Missing	N/A	1	.3		
	System	5	1.5		
	Total	6	1.8		
Total		329	100.0		

Do you see more artisans in your community?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	16	4.9	4.9	4.9
	Little	62	18.8	19.1	24.1
	Some	138	41.9	42.6	66.7
	Many	108	32.8	33.3	100.0
	Total	324	98.5	100.0	
Missing	N/A	2	.6		
	System	3	.9		

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	Total	5	1.5		
Total		329	100.0		

Are there hunters in the community? Do they travel long?, Why?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Don't exist	3	.9	6.3	6.3
	Exist, and hunt away although fearing mines	3	.9	6.3	12.5
	Exist, and hunt away without fear of mines	6	1.8	12.5	25.0
	Exist, and they hunt freely	29	8.8	60.4	85.4
	Exist, hunt far away and trust the peace	7	2.1	14.6	100.0
	Total	48	14.6	100.0	
Missing	N/A	281	85.4		
Total		329	100.0		

Has any family member returned to live in the house in the last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	71	21.6	38.4	38.4
	Military	4	1.2	2.2	40.5
	Demobilized	16	4.9	8.6	49.2
	Civilian	91	27.7	49.2	98.4
	Others	3	.9	1.6	100.0
	Total	185	56.2	100.0	
Missing	NR	91	27.7		
	System	53	16.1		
	Total	144	43.8		
Total		329	100.0		

Has someone from the family left the community during the last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Other reasons	65	19.8	31.7	31.7

	Work	64	19.5	31.2	62.9
	Studies	12	3.6	5.9	68.8
	No	64	19.5	31.2	100.0
	Total	205	62.3	100.0	
Missing	N/A	75	22.8		
	5	2	.6		
	System	47	14.3		
	Total	124	37.7		
Total		329	100.0		

Have there been new families in the community during the last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	None	5	1.5	3.0	3.0
	A couple of families	44	13.4	26.5	29.5
	Between 10 and 20 families	73	22.2	44.0	73.5
	More than 20 families	44	13.4	26.5	100.0
	Total	166	50.5	100.0	
Missing	N/A	151	45.9		
	System	12	3.6		
	Total	163	49.5		
Total		329	100.0		

Have the families of the demobilized returned?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	None	114	34.7	46.2	46.2
	Little	28	8.5	11.3	57.5
	Some	68	20.7	27.5	85.0
	Many	37	11.2	15.0	100.0
	Total	247	75.1	100.0	

Missing	N/A	78	23.7		
	8	1	.3		
	System	3	.9		
	Total	82	24.9		
Total		329	100.0		

Have the traditional leaders returned to the area?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	None	60	18.2	21.8	21.8
	Little	32	9.7	11.6	33.5
	Some	28	8.5	10.2	43.6
	Many	155	47.1	56.4	100.0
	Total	275	83.6	100.0	
Missing	N/A	50	15.2		
	System	4	1.2		
	Total	54	16.4		
Total		329	100.0		

Have ministries' officers visited the community in the last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less	14	4.3	5.8	5.8
	Less	10	3.0	4.2	10.0
	Same	85	25.8	35.4	45.4
	More	108	32.8	45.0	90.4
	Much more	23	7.0	9.6	100.0
	Total	240	72.9	100.0	
Missing	N/A	31	9.4		
	System	58	17.6		
	Total	89	27.1		

Total	329	100.0		
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Have you increased your cultivated area?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less	4	1.2	1.2	1.2
	Less	5	1.5	1.5	2.8
	Same	152	46.2	46.8	49.5
	More	152	46.2	46.8	96.3
	Much more	12	3.6	3.7	100.0
	Total	325	98.8	100.0	
Missing	N/A	3	.9		
	System	1	.3		
	Total	4	1.2		
Total		329	100.0		

Same crops or different?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Same	264	80.2	81.2	81.2
	Different	61	18.5	18.8	100.0
	Total	325	98.8	100.0	
Missing	N/A	2	.6		
	4	1	.3		
	System	1	.3		
	Total	4	1.2		
Total		329	100.0		

Have you used oxen in the past for planting?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	263	79.9	82.4	82.4
	Little	12	3.6	3.8	86.2
	Sometimes	20	6.1	6.3	92.5
	Most	21	6.4	6.6	99.1
	Always	3	.9	.9	100.0
	Total	319	97.0	100.0	
Missing	N/A	8	2.4		
	System	2	.6		
	Total	10	3.0		
Total		329	100.0		

Have you used oxen this time?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	27	8.2	8.5	8.5
	No	289	87.8	91.5	100.0
	Total	316	96.0	100.0	
Missing	N/A	7	2.1		
	System	6	1.8		
	Total	13	4.0		
Total		329	100.0		

Do you think you will be able to use oxen?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	239	72.6	76.8	76.8
	No	72	21.9	23.2	100.0
	Total	311	94.5	100.0	
Missing	N/A	10	3.0		
	4	1	.3		

	System	7	2.1		
	Total	18	5.5		
Total		329	100.0		

Do you have more seeds now than last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less	76	23.1	40.9	40.9
	Less	32	9.7	17.2	58.1
	Same	37	11.2	19.9	78.0
	More	40	12.2	21.5	99.5
	Much more	1	.3	.5	100.0
	Total	186	56.5	100.0	
Missing	N/A	140	42.6		
	System	3	.9		
	Total	143	43.5		
Total		329	100.0		

Do you have any new seeds now?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	32	9.7	15.6	15.6
	No	173	52.6	84.4	100.0
	Total	205	62.3	100.0	
Missing	N/A	122	37.1		
	System	2	.6		
	Total	124	37.7		
Total		329	100.0		

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Do you have more agriculture products to trade this year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less	66	20.1	50.0	50.0
	Less	18	5.5	13.6	63.6
	Same	25	7.6	18.9	82.6
	More	23	7.0	17.4	100.0
	Total	132	40.1	100.0	
Missing	N/A	187	56.8		
	System	10	3.0		
	Total	197	59.9		
Total		329	100.0		

Have there any adobe house been built in the community?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	None	62	18.8	19.0	19.0
	Little	33	10.0	10.1	29.1
	Some	51	15.5	15.6	44.6
	Many	173	52.6	52.9	97.6
	A lot	8	2.4	2.4	100.0
	Total	327	99.4	100.0	
Missing	N/A	2	.6		
Total		329	100.0		

Did you build an adobe house this year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	147	44.7	45.0	45.0
	No	180	54.7	55.0	100.0
	Total	327	99.4	100.0	
Missing	4	2	.6		

Total	329	100.0		
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More people live in your house this year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No more	38	11.6	11.7	11.7
	Little	86	26.1	26.5	38.3
	Some	146	44.4	45.1	83.3
	Much	53	16.1	16.4	99.7
	A lot	1	.3	.3	100.0
	Total	324	98.5	100.0	
Missing	N/A	1	.3		
	System	4	1.2		
	Total	5	1.5		
Total		329	100.0		

Are there more small animals or birds this year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	25	7.6	8.0	8.0
	Little	156	47.4	49.8	57.8
	Some	86	26.1	27.5	85.3
	Many	43	13.1	13.7	99.0
	A lot	3	.9	1.0	100.0
	Total	313	95.1	100.0	
Missing	N/A	2	.6		
	System	14	4.3		
	Total	16	4.9		
Total		329	100.0		

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Do you expect to get a small animal after harvest?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	278	84.5	88.8	88.8
	No	35	10.6	11.2	100.0
	Total	313	95.1	100.0	
Missing	N/A	3	.9		
	System	13	4.0		
	Total	16	4.9		
Total		329	100.0		

Do you have more cattle this year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less	132	40.1	81.0	81.0
	Less	10	3.0	6.1	87.1
	Same	17	5.2	10.4	97.5
	More	3	.9	1.8	99.4
	Much more	1	.3	.6	100.0
Total		163	49.5	100.0	
Missing	N/A	152	46.2		
	System	14	4.3		
	Total	166	50.5		
Total		329	100.0		

Have you had access to oxen last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	28	8.5	8.7	8.7
	No	295	89.7	91.3	100.0
Total		323	98.2	100.0	

Missing	N/A	1	.3		
	System	5	1.5		
	Total	6	1.8		
Total		329	100.0		

Did you work in the repair/construction of church last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	181	55.0	60.3	60.3
	No	119	36.2	39.7	100.0
	Total	300	91.2	100.0	
Missing	N/A	7	2.1		
	System	22	6.7		
	Total	29	8.8		
Total		329	100.0		

Is there been an increase in traditional ceremonies during last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	32	9.7	10.0	10.0
	Little	16	4.9	5.0	15.0
	Some	25	7.6	7.8	22.7
	Much	245	74.5	76.3	99.1
	A lot	3	.9	.9	100.0
	Total	321	97.6	100.0	
Missing	N/A	1	.3		
	System	7	2.1		
	Total	8	2.4		
Total		329	100.0		

Is there been an increase in the religious ceremonies?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	36	10.9	11.5	11.5
	Little	10	3.0	3.2	14.6
	Some	5	1.5	1.6	16.2
	Much	260	79.0	82.8	99.0
	A lot	3	.9	1.0	100.0
	Total	314	95.4	100.0	
Missing	N/A	1	.3		
	System	14	4.3		
	Total	15	4.6		
Total		329	100.0		

Is there been an increase in the traffic of vehicles to the community?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	51	15.5	15.9	15.9
	Little	128	38.9	40.0	55.9
	Some	85	25.8	26.6	82.5
	Much	51	15.5	15.9	98.4
	A lot	5	1.5	1.6	100.0
	Total	320	97.3	100.0	
Missing	N/A	4	1.2		
	System	5	1.5		
	Total	9	2.7		
Total		329	100.0		

In the last year, have you planted trees?

		Frequency	Percent	Valid Percent	Cumulative Percent
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Valid	Yes	156	47.4	55.5	55.5
	No	125	38.0	44.5	100.0
	Total	281	85.4	100.0	
Missing	N/A	41	12.5		
	System	7	2.1		
	Total	48	14.6		
Total		329	100.0		

Have you planted buganvilias?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	3	.9	2.4	2.4
	No	124	37.7	97.6	100.0
	Total	127	38.6	100.0	
Missing	N/A	120	36.5		
	System	82	24.9		
	Total	202	61.4		
Total		329	100.0		

In the last year, have you built a granary?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	88	26.7	28.2	28.2
	No	224	68.1	71.8	100.0
	Total	312	94.8	100.0	
Missing	N/A	6	1.8		
	System	11	3.3		
	Total	17	5.2		
Total		329	100.0		

4/0

In the last year, have you built a pigeon coop?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	19	5.8	7.9	7.9
	No	223	67.8	92.1	100.0
	Total	242	73.6	100.0	
Missing	N/A	78	23.7		
	System	9	2.7		
	Total	87	26.4		
Total		329	100.0		

In the last year, have you open/clean a well?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	75	22.8	35.7	35.7
	No	135	41.0	64.3	100.0
	Total	210	63.8	100.0	
Missing	N/A	110	33.4		
	System	9	2.7		
	Total	119	36.2		
Total		329	100.0		

In the last year, have you built a beehive?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	49	14.9	15.4	15.4
	No	269	81.8	84.6	100.0
	Total	318	96.7	100.0	
Missing	N/A	1	.3		
	System	10	3.0		
	Total	11	3.3		

Total		329	100.0		

In the last year, have you built a chicken coop?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	101	30.7	31.5	31.5
	No	220	66.9	68.5	100.0
	Total	321	97.6	100.0	
Missing	System	8	2.4		
Total		329	100.0		

In the last year, have you made fertilizer?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	144	43.8	46.2	46.2
	No	168	51.1	53.8	100.0
	Total	312	94.8	100.0	
Missing	N/A	2	.6		
	System	15	4.6		
	Total	17	5.2		
Total		329	100.0		

In the last year, have you built a corral?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	70	21.3	21.8	21.8
	No	251	76.3	78.2	100.0
	Total	321	97.6	100.0	
Missing	System	8	2.4		
Total		329	100.0		

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Do you plan to build any of the previous in the future?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	None	36	10.9	15.5	15.5
	Little	2	.6	.9	16.3
	Some	187	56.8	80.3	96.6
	Many	6	1.8	2.6	99.1
	A lot	2	.6	.9	100.0
	Total	233	70.8	100.0	
Missing	N/A	5	1.5		
	System	91	27.7		
	Total	96	29.2		
Total		329	100.0		

How many plates do you have in the house?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1 to 5	130	39.5	54.6	54.6
	6 to 10	84	25.5	35.3	89.9
	More than 10	24	7.3	10.1	100.0
	Total	238	72.3	100.0	
Missing	N/A	4	1.2		
	5	1	.3		
	System	86	26.1		
Total		91	27.7		
Total		329	100.0		

Are these the same than last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less	5	1.5	2.3	2.3
	Less	29	8.8	13.2	15.5
	Same	146	44.4	66.4	81.8
	More	39	11.9	17.7	99.5
	Much more	1	.3	.5	100.0
	Total	220	66.9	100.0	
Missing	N/A	5	1.5		
	System	104	31.6		
	Total	109	33.1		
Total		329	100.0		

How many pans do you have in the house?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	One	80	24.3	25.4	25.4
	2 to 4	211	64.1	67.0	92.4
	More than four	24	7.3	7.6	100.0
	Total	315	95.7	100.0	
Missing	N/A	10	3.0		
	System	4	1.2		
	Total	14	4.3		
Total		329	100.0		

Are these the same than last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less	8	2.4	2.5	2.5
	Less	17	5.2	5.4	7.9
	Same	259	78.7	82.0	89.9

	More	31	9.4	9.8	99.7
	Much more	1	.3	.3	100.0
	Total	316	96.0	100.0	
Missing	N/A	9	2.7		
	System	4	1.2		
	Total	13	4.0		
Total		329	100.0		

How many washing-basins do you have?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	One	135	41.0	55.6	55.6
	2 to 4	101	30.7	41.6	97.1
	More than four	7	2.1	2.9	100.0
	Total	243	73.9	100.0	
Missing	N/A	82	24.9		
	System	4	1.2		
	Total	86	26.1		
Total		329	100.0		

Are these the same than last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Much less	4	1.2	1.6	1.6
	Less	19	5.8	7.8	9.4
	Same	193	58.7	79.1	88.5
	More	27	8.2	11.1	99.6
	Much more	1	.3	.4	100.0
	Total	244	74.2	100.0	
Missing	N/A	73	22.2		

	System	12	3.6		
	Total	85	25.8		
Total		329	100.0		

Are there other organizations operating in the area?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	115	35.0	35.8	35.8
	One	56	17.0	17.4	53.3
	Several	150	45.6	46.7	100.0
	Total	321	97.6	100.0	
Missing	System	8	2.4		
Total		329	100.0		

Is your family involved in projects with other NGOs?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	86	26.1	27.6	27.6
	No	226	68.7	72.4	100.0
	Total	312	94.8	100.0	
Missing	N/A	8	2.4		
	System	9	2.7		
	Total	17	5.2		
Total		329	100.0		

Are you original from this place?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	249	75.7	76.4	76.4
	No	77	23.4	23.6	100.0

	Total	326	99.1	100.0	
Missing	71	1	.3		
	System	2	.6		
	Total	3	.9		
Total		329	100.0		

### 3. Analytical results

Has someone from the family left the community during the last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	No	64	19.5	31.2	31.2
	Studies	12	3.6	5.9	37.1
	Work	64	19.5	31.2	68.3
	Other reasons	65	19.8	31.7	100.0
	Total	205	62.3	100.0	
Missing	5	2	.6		
	N/A	75	22.8		
	System	47	14.3		
	Total	124	37.7		
Total		329	100.0		

Have the traditional leaders returned to the area?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Many	155	47.1	56.4	56.4
	Some	28	8.5	10.2	66.5
	Little	32	9.7	11.6	78.2
	None	60	18.2	21.8	100.0
	Total	275	83.6	100.0	

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Missing	N/A	50	15.2		
	System	4	1.2		
	Total	54	16.4		
Total		329	100.0		

Have there been new families in the community during the last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	More than 20 families	44	13.4	26.5	26.5
	Between 10 and 20 families	73	22.2	44.0	70.5
	A couple of families	44	13.4	26.5	97.0
	None	5	1.5	3.0	100.0
	Total	166	50.5	100.0	
Missing	N/A	151	45.9		
	System	12	3.6		
	Total	163	49.5		
Total		329	100.0		

Has any family member returned to live in the house in the last year?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Others	3	.9	1.6	1.6
	Civilian	91	27.7	49.2	50.8
	Demobilized	16	4.9	8.6	59.5
	Military	4	1.2	2.2	61.6
	No	71	21.6	38.4	100.0
	Total	185	56.2	100.0	
Missing	NR	91	27.7		
	System	53	16.1		
	Total	144	43.8		
Total		329	100.0		

Have the families of the demobilized returned?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Many	37	11.2	15.0	15.0
	Some	68	20.7	27.5	42.5
	Little	28	8.5	11.3	53.8
	None	114	34.7	46.2	100.0
	Total	247	75.1	100.0	
Missing	8	1	.3		
	N/A	78	23.7		
	System	3	.9		
	Total	82	24.9		
Total		329	100.0		

Are there other organizations operating in the area? \* Control community?  
 Crosstabulation  
 % within Control community?

		Control community?		Total
		Control	CRPs	
Are there other organizations operating in the area?	No	59.5%	28.1%	35.8%
	One	3.8%	21.9%	17.4%
	Several	36.7%	50.0%	46.7%
Total		100.0%	100.0%	100.0%

		Control community?				Total	
		Control		CRPs		Count	Column %
		Count	Column %	Count	Column %		
Increase in community work? What type?	Church rehabilitation	63	(78%)	193	(86%)	256	(84%)
	School rehabilitation	33	(41%)	196	(88%)	229	(75%)
	Road/Bridge reconstruction	65	(80%)	145	(65%)	210	(69%)
	Opening/cleaning of wells	25	(31%)	40	(18%)	65	(21%)
	Dirt cooperation	1	(1%)	3	(1%)	4	(1%)
	Construction of graneries	8	(10%)	76	(34%)	84	(28%)
	Health post reconstruction	2	(2%)	59	(26%)	61	(20%)
	Land cleaning	64	(79%)	174	(78%)	238	(78%)
	Irrigation channels reopening	8	(10%)	35	(16%)	43	(14%)
	Dams construction			16	(7%)	16	(5%)
	Other activities	1	(1%)	5	(2%)	6	(2%)

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Total		81	(100%)	224	(100%)	305	(100%)
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