

# MIDTERM EVALUATION

## ENHANCING THE CLIMATE AND DISASTER RESILIENCE OF THE MOST VULNERABLE RURAL AND EMERGING HUMAN SETTLEMENTS IN LAO PDR

An evaluation mission for Adaptation Fund funded project

Client: UN-Habitat

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## 1 INTRODUCTION

The project “Enhancing the climate and disaster resilience of the most vulnerable rural and emerging urban human settlements in Lao PDR” aims at delivering sustainable infrastructure together with capacity building in 189 villages in the provinces Sekong, Saravan and Attapeu.

The project is running from February 2017 until June 2021. The midterm evaluation is performed as planned in March 2019. This evaluation is to provide the donor, Adaptation Fund, and implementing partners with an assessment of the project so far. The objective is:

- Assess the implementation progress towards achieving the planned results
- Assess the continued relevance, effectiveness and impact of the project
- Give recommendations for the remaining continuation of the project

The evaluation considers relevance, effectiveness, efficiency and sustainability.

The most important stakeholders in this project are the government on national, provincial and district level, the Nampapa water works authority and the villagers of the 189 villages. All stakeholders have been involved in the evaluation.

Arcadis has been involved in the performance of the evaluation.

## 2 METHODOLOGY

The evaluation team consisting of:

- Bert Smolders, Shelter program manager and urban water specialist
- Bram Masseur, Process manager and Lead Auditor
- Anurat Kaeocha, Urban water specialist

The set-up of the evaluation is:

- Introduction of the project by the project team members to the evaluation team (4 March 2019). The project team members being:
  - Dr. Avi Sarkar, Chief technical advisor
  - Mr. Buahom Sengkhamyong, Project Team Leader
  - Mr. Liam Fee, Consultant
  - Mr. Juan Torres, Data analyst
  - Mr. Phengphone Khamseansouk, Project engineer
- Desk review of project documents, like
  - Project plan
  - Vulnerability assessments for each province: Sekong, Saravan and Attapeu
  - Infographics of the villages
  - Design documents of the pilot projects
- Interviews with team members like Dr. Avi Sarkar, Mr. Buahom Sengkhamyong and Mr. Liam Fee.
- Meetings with officials:
  - Director General of the department of water supply of the Ministry of Public Works and Infrastructure: Phonma Veovanh (4 March 2019).
  - Nampapa Attapeu province director Mr. Sornsay, technicians Mr. Thepachan Chitavong and Mr. Sisawat Sivorlavong, and head of Nampapa Samoi district Sao Meena in Saravan (5 March 2019)
  - Vice provincial governor of Attapeu Mr. Thavone Phommalayloun, Vice District governor of Duccheung District, Mr. Somphone Saysouvanh, and Vice District governor of Kaleum District, Mr. Buanguen Phanlavanh (6 March 2019).
  - Stakeholder meeting, with Vice governor of Attapeu: Mr Ounla Xayasith, 3 provincial governors, 8 district governors, Nampapa representatives.
- Field visits to villages in Saravan and Attapeu provinces
  - Interviews with villagers in Lahang, among which: Mr. Amheung, head of village and Mr. Khamvieng, deputy head of village.
  - See pilot projects of gravity feed systems in Champhao and Kamesung and speak to heads of village and inhabitants.





## 3 RESULTS

### 3.1 Relevance

#### 3.1.1 *Rationale of the results and its objectives*

The objectives of the project have not changed. The rationale is still valid. The climate has changed in the districts where the projects are executed, and the communities are vulnerable to that, because they rely on basic water sources like open water and bore holes.

In Attapeu, the average temperature has risen by 1.35 degrees between 1984 and 2018. When you compared Attapeu's situation to the IPCC's announcement of the temperature rise between 1880 and 2100 should stay below 2 degrees, one realizes Attapeu is facing a critical situation.

The pilots have shown us and the stakeholders a new approach: business-not-as-usual. The project brings in a paradigm shift of how people traditionally approached water supply in rural areas in Laos. Additionally, the systems developed could be developed in a modular fashion in both horizontal (expansion of networks/water points) and vertical (technological augmentation) aspects.

The set-up of the vulnerability assessments, where enumerators visited all villages with kobo-tools and developed software was very successful. The ministry encourages other donors to use the same tools and methods. They are cost effective and very useful for the decision making plan and the action plans.

#### 3.1.2 *Relationship to the SDG's*

The purposes of the projects in the villages, resulted from the vulnerability assessments, are related to the SDG's 6 Clean Water and Sanitation, 3 Good health and wellbeing, 13 Climate action and 11 Sustainable cities and communities.

#### 3.1.3 *Changes in result context during implementation*

The village boundaries have been redrawn. This led to a new list of villages. In the changed selection of villages, the wish of local authorities to spread the villages more evenly over the three provinces was granted. The most important result of the new list of villages is that 107.000 people benefit instead of the 47.000 mentioned in the project proposal.

#### 3.1.4 *Institutional and partner priorities*

The related three provinces and eight districts are responsible for hundreds of villages. In our discussion with the Samoi district in the Saravan province, they mentioned that they would like to expand the project coverage from the 69 selected villages to all 200 villages in their district. On the positive side, this shows great commitment of the local authorities and the relevance of the project. However, there is a concern of how the project is perceived from the unselected villages.

#### 3.1.5 *Ownership by national and local stakeholders*

The national and local stakeholders are fully involved and share the same goal of UN-Habitat. The local communities are continuously involved through all stages of the project. During the vulnerability assessments, they were asked which priorities they see as measures to make them more resilient to climate change. The enumerators had a list of purposes and sub-purposes from which they could choose. This information is included in the infographics per village.



## 3.2 Effectiveness

### 3.2.1 *Actual and expected achievement*

See Annex 2

### 3.2.2 *Factors and processes affecting the achievement of results*

There are two big elements in reaching the above-mentioned goals:

**Planning:** Different stakeholders understand the enormity of the project scope – especially that 189 villages will benefit from infrastructure work that will make these communities more resilient and less vulnerable. A significant exercise is on-going to ensure that work is completed with the given time frame in the 8 districts. To implement the projects more efficiently, there is a team in each district working out the preliminary design, and therefore multiple projects can be worked on parallelly.

**Money:** The total budget of the project is 4,5 million USD, provided by the Adaptation Fund. In the project plan, yearly tranches are proposed of 1 million USD in 2017 and 2018 each. This might lead to a cash flow problem especially when infrastructure work needs to be expedited.

Another concern, related to money, is the average amount that can be spent on each project. For component 3, the infrastructure construction, 2,9 million USD is available. That means on average 14.500 USD per sub-project. Of course, there are cheaper and more expensive projects, but this average should be taken into account. So far, most projects have been more expensive than this average. It still concerns a small number of pilot projects and the expectation is that things can become cheaper when projects are procured in bulk.

### 3.2.3 *How appropriate and effective are the partnerships and other institutional relationships*

The most important relationships in this project are with the national, provincial and district governments and with Nampapa water works. Nampapa is an effective partner, as they know the local circumstances, are capable to design and maintain the projects. UN-Habitat described the partnership in Agreements of Cooperation. So far, Nampapa has executed the projects as agreed and to satisfaction of UN-Habitat.

A positive result and sign of appreciation is that additional funding has been granted by the Nordic Climate Fund with a \$ 97.000 contribution.

### 3.2.4 *Outcomes to date on the project partners*

6 pilot projects have been completed:

**Saravane Province** – One pilot of water infrastructure completed: key is the new gravity feed system with distribution network and household water tap in one village namely Lahang village of Samouay Town with number of beneficiaries 637 people.

**Sekong Province** – One pilot of water infrastructure completed: key is the new gravity feed system with slow sand filtration tank and 4 public water stand taps (2 water taps each) in one village namely Talui village of Kaleum Town with number of beneficiaries 168 people.

**Attapeu Province** - Among 4 pilots of water infrastructures were completed: key is the new water supply system established in four (4) villages namely Taoum and Phousay of Phouvong and Champao and Kemesang of Samakhisay with small-scale water infrastructure resilient using solar pump with 4 public water stand taps (2 water taps each) and rural water supply system with distribution network and 24/7 metered household connections in 4 villages with totaling number of beneficiaries 2,694 people.

These give the stakeholders tangible ideas of what can be expected. All stakeholders involved with these projects tell the evaluators that they are happy with the solution. When asked what else they desire they all answer they want more. On a district level, the wish is to extend the number of villages, on a village level, the desire is to expand the capacity of the water supply or to extend the number of connected households.



Several physical infrastructures of the “**Pilot on climate resilient water infrastructure**” in Attapeu, Sekong and Saravan provinces include new small-scale water infrastructure using solar pump, new gravity feed system with slow sand filtration tank and a new 24/7 small-scale water supply with distribution network and household water meter connection in rural areas. These were the pilot projects completed in **6 villages** with total beneficiaries of **3,508 people** (see *Project sheets in Annex 1*).

### 3.2.5 *Outcomes on local collaborating partners*

The project so far is being implemented with a compact project team, including a small number of consultants. The local stakeholders gained knowledge from the vulnerability assessments and action planning.

### 3.2.6 *Are vulnerable groups and crosscutting issues of gender, youth, climate change and human rights integrated in the design and implementation and monitoring of the project?*

Development starts with access to clean water. Vice provincial governor of Attapeu Mr. Thavone Phommalayloun stated this very clearly during the meeting in Attapeu. He saw a positive impact on decreasing poverty, higher school attendance, more food supply in villages after similar projects had been finished. Within the villages, there is the issue of deciding the public taps location and which households are connected first. The village chief is usually responsible to this. In Champao, the village chief explained how the first selection of the 20 first connected households was made. In Lahang, the inhabitants mentioned that the water provision saves them long walks to the former water source, that was mainly performed by children and women. That means that they now have an opportunity to spend time on going to school and to work and provide extra income for their families respectively.

### 3.3 Efficiency

#### 3.3.1 *Action progress compared to plans, budget and overall performance*

The project has an ambitious scope of benefiting the communities of 189 villages with a relatively small budget. The total number of inhabitants of the 189 villages is 107.000. This is significantly more than the 47.000 in the project proposal. That is mainly because of a change in the village structure with a redrawing of the boundaries since the census of 2015, on which the project proposal was based. During the meetings with national and provincial authorities, they mentioned that UN-Habitat is the only partner focusing on sustainable solutions in rural areas. This is why they are satisfied with the work UN-Habitat is doing with Adaptation Fund. They all requested a continuing cooperation and expansion of the scope of the project.

#### 3.3.2 *Were the activities and outputs delivered in a cost-efficient manner?*

The pilot projects were on average a little over the available average budget. However, with the training of local Nampapa waterworks employees and with the utilization of local communities in the construction, as mentioned above, UN-Habitat manages to deliver a significant number of small-scale infrastructure projects for a relatively limited financial support.

#### 3.3.3 *Implementation efficiency*

The project team is involved in all stages of the process, from vulnerability assessment, through action planning, design and construction. Project staff visit the sites regularly, know the village chiefs and check if the construction is according to the design.

### 3.4 Sustainability

#### 3.4.1 *Factors affecting or likely to affect sustainability of the results*

A very important factor to secure the sustainability of the infrastructure is the involvement of local communities. By their contribution to the construction, they merit the infrastructure and know how to maintain it. To increase the sustainability, a fee for connection and use of the water measured by a meter can be adopted. This raises awareness and the money can be spent on maintenance of the system in return.

#### 3.4.2 *Established networks among institutions*

The partnership with Nampapa waterworks, that has been formally written down in aforementioned Agreements of Cooperation, is very valuable for both parties. UN-Habitat has access to local knowledge and resources for design and construction. Nampapa waterworks gains design knowledge and of course financial support from UN-Habitat.

#### 3.4.3 *From built capacities to building capacity*

The project is training the Namapa waterworks staff to make preliminary design. This way, knowledge and experience are transferred to and utilized by local partners and consultants.

#### 3.4.4 *Using new knowledge to build up confidence*

The vulnerability assessments have delivered a lot of useful knowledge. The involvement of the local communities, deciding with them about the chosen solutions instead of choosing for them, ensures that the solution is relevant to them, so that they have a higher sense of responsibility for the good use and maintenance of the systems.

#### 3.4.5 *Implementing capacity of the cooperation partners to take the activities forward*

After the completion of the project, that will benefit 189 villages in Sekong, Saravane and Attapeu, the staff of Nampapa waterworks and the local authorities are trained to expand similar solutions to other villages in these provinces. The only problem is that they lack the financial means to continue by themselves. In the meeting with Vice provincial governor of Attapeu as well as with Director General of the department of water supply of the Ministry of Public Works and Infrastructure, they mentioned that they have a budget of performing two similar projects with the yearly budget they get from the national government. This makes them very dependent on aid money and as such very vulnerable for continuation of donor support.

## **4 RECOMMENDATIONS**

Having observed the progress of the project, we see that the project is well on its way and contributing in an effective and relevant way to the needs of the local communities. To improve the process, the efficiency and sustainability, the evaluation team has some recommendations. These are split up between recommendations for the UN-Habitat project team and recommendations in a wider sense to leverage the results in a bigger context.

### **4.1 Role and Responsibility of all involved stakeholders must be clearly defined**

The commitment and involvement of all the important stakeholders is very high in this project. High representatives of the Ministry of Public Works and Infrastructure, the provinces, the districts and Nampapa water works all agree that the project is relevant and effective. They all cooperate and are satisfied with the results. They should however take a more active role and take their responsibilities for their inhabitants, not leaning on UN-Habitat.

### **4.2 Raising people awareness for climate change and its effect**

The project aims at reducing the vulnerability of villages in the southern provinces of Lao PDR to climate change. However, it is obviously better to prevent the climate change in the first place. Deforestation contributes to climate change. The evaporation brings temperatures down. And prevents flood after heavy rains by holding the water in the soil.

With growing populations, this might mean that the traditional way of living with slash and burn has to be abandoned or adjusted. We have also experienced undesirable air quality because of the many fires in the southern provinces.

### **4.3 Promote eco-tourism**

The southern provinces of Lao PDR are still very pristine and unexplored. There are great opportunities for eco-tourism. Water is the basic need for many developments, among which tourism. After this project has been implemented, there is a chance to develop infrastructure for sustainable tourism. This can provide the villages with an additional income, that can help them to develop further.



## Annex 1 Spreadsheet result tracker

Result Tracker for Adaptation Fund (AF) Projects														
Adaptation Fund Strategic Results Framework														
Strategic Result	Indicator	Indicator 1			Indicator 2			Indicator 3			Indicator 4			
		Target	Actual	Comments	Target	Actual	Comments	Target	Actual	Comments	Target	Actual	Comments	
Strategic Result 1: Improved resilience of rural communities to climate change and disaster risk	Indicator 1.1: Number of rural communities with improved resilience to climate change and disaster risk	Target			Target			Target			Target			
		Actual			Actual			Actual			Actual			
Strategic Result 2: Improved resilience of rural communities to climate change and disaster risk	Indicator 2.1: Number of rural communities with improved resilience to climate change and disaster risk	Target			Target			Target			Target			
		Actual			Actual			Actual			Actual			
Strategic Result 3: Improved resilience of rural communities to climate change and disaster risk	Indicator 3.1: Number of rural communities with improved resilience to climate change and disaster risk	Target			Target			Target			Target			
		Actual			Actual			Actual			Actual			
Strategic Result 4: Improved resilience of rural communities to climate change and disaster risk	Indicator 4.1: Number of rural communities with improved resilience to climate change and disaster risk	Target			Target			Target			Target			
		Actual			Actual			Actual			Actual			
Strategic Result 5: Improved resilience of rural communities to climate change and disaster risk	Indicator 5.1: Number of rural communities with improved resilience to climate change and disaster risk	Target			Target			Target			Target			
		Actual			Actual			Actual			Actual			

MIDTERM EVALUATION ENHANCING THE CLIMATE AND DISASTER RESILIENCE OF THE MOST VULNERABLE RURAL AND EMERGING HUMAN SETTLEMENTS IN LAO PDR

Activity	Description	Phase 1: Assessment				Phase 2: Design				Phase 3: Construction				Phase 4: Operation & Maintenance			
		Start	End	Duration	Progress	Start	End	Duration	Progress	Start	End	Duration	Progress	Start	End	Duration	Progress
Activity 1: Assessment of current housing conditions and identification of key risks.	Detailed description of the activity, including objectives, activities, and expected outcomes.	2018-01-01	2018-03-31	3 months	100%	2018-04-01	2018-06-30	3 months	100%	2018-07-01	2018-09-30	3 months	100%	2018-10-01	2018-12-31	3 months	100%
		2018-01-01	2018-03-31	3 months	100%	2018-04-01	2018-06-30	3 months	100%	2018-07-01	2018-09-30	3 months	100%	2018-10-01	2018-12-31	3 months	100%
		2018-01-01	2018-03-31	3 months	100%	2018-04-01	2018-06-30	3 months	100%	2018-07-01	2018-09-30	3 months	100%	2018-10-01	2018-12-31	3 months	100%
Activity 2: Design and construction of climate and disaster resilient housing.	Detailed description of the activity, including objectives, activities, and expected outcomes.	2018-04-01	2018-06-30	3 months	100%	2018-07-01	2018-09-30	3 months	100%	2018-10-01	2018-12-31	3 months	100%	2019-01-01	2019-03-31	3 months	100%
		2018-04-01	2018-06-30	3 months	100%	2018-07-01	2018-09-30	3 months	100%	2018-10-01	2018-12-31	3 months	100%	2019-01-01	2019-03-31	3 months	100%
		2018-04-01	2018-06-30	3 months	100%	2018-07-01	2018-09-30	3 months	100%	2018-10-01	2018-12-31	3 months	100%	2019-01-01	2019-03-31	3 months	100%
		2018-04-01	2018-06-30	3 months	100%	2018-07-01	2018-09-30	3 months	100%	2018-10-01	2018-12-31	3 months	100%	2019-01-01	2019-03-31	3 months	100%
		2018-04-01	2018-06-30	3 months	100%	2018-07-01	2018-09-30	3 months	100%	2018-10-01	2018-12-31	3 months	100%	2019-01-01	2019-03-31	3 months	100%
		2018-04-01	2018-06-30	3 months	100%	2018-07-01	2018-09-30	3 months	100%	2018-10-01	2018-12-31	3 months	100%	2019-01-01	2019-03-31	3 months	100%
Activity 3: Operation and maintenance of housing units.	Detailed description of the activity, including objectives, activities, and expected outcomes.	2018-10-01	2018-12-31	3 months	100%	2019-01-01	2019-03-31	3 months	100%	2019-04-01	2019-06-30	3 months	100%	2019-07-01	2019-09-30	3 months	100%
		2018-10-01	2018-12-31	3 months	100%	2019-01-01	2019-03-31	3 months	100%	2019-04-01	2019-06-30	3 months	100%	2019-07-01	2019-09-30	3 months	100%
		2018-10-01	2018-12-31	3 months	100%	2019-01-01	2019-03-31	3 months	100%	2019-04-01	2019-06-30	3 months	100%	2019-07-01	2019-09-30	3 months	100%
		2018-10-01	2018-12-31	3 months	100%	2019-01-01	2019-03-31	3 months	100%	2019-04-01	2019-06-30	3 months	100%	2019-07-01	2019-09-30	3 months	100%



## Annex 2 Progress

The project is halfway its planned duration. The original planning is shown below with the red line marking the current date, end of Q1 2019. As planned, component 1 was finished. The transfer of the funds started in 21<sup>st</sup> June 2017. The end date of the project is thus set to 20<sup>th</sup> June 2021.

The most important part of component 1 are the vulnerability assessments, that were performed for each village in the three provinces. The outcomes are described in three reports. They contain important information for the other components of the project. The results are informative and it should be investigated if there are opportunities to use them more broadly, for example to show the effects of deforestation on climate change. A more attractive and more easily accessible way to the results between the report and the poster should be made, for example a 10 page folder.

Component 2 and 3 are well underway. Slightly deviant from the planning, the project team has concluded that these components go hand in hand. Training of the communities is only sensible when infrastructure has been completed.

Component 4 is a constant activity throughout the project for management costs and involvement of the stakeholders. The Nampapa water works have been trained by the project to independently make 3D and 2D designs and to set up Bills of Quantities and schedules.

There are two years left until completion of the project. As said before, for 34 projects, the preliminary design has been finished, 6 of which including BoQ's and schedules. The plan is to finish 98 villages by the end of 2019 and 126 by the end of Q1 2020.

The division of the next 34 projects, divided over the provinces (see Annex 3 for the list of villages):

1. 10 in Saravane
2. 10 in Sekong
3. 14 in Attapeu



## Annex 3 List of villages

SN	Village code	Province	District	Village name	Population	Status
1	1402002	Saravane	Ta oi District	B. Talunglao	827	Engineering survey & Preliminary Design - Completed
2	1402031	Saravane	Ta oi District	B. kamouan	370	Engineering survey & Preliminary Design - Completed
3	1402034	Saravane	Ta oi District	B. Pitian	271	Engineering survey & Preliminary Design - Completed
4	1402035	Saravane	Ta oi District	B. Bongnam	553	Engineering survey & Preliminary Design - Completed
5	1402045	Saravane	Ta oi District	B. Chorlavieng	655	Engineering survey & Preliminary Design - Completed
5	1402014	Saravane	Ta oi District	B. Adone	691	Details Design with BoQ - Completed
6	1408017	Saravane	Samuoi District	B. Samouay	139	Engineering survey & Preliminary Design - Completed
7	1408031	Saravane	Samuoi District	Ajing-Dele	734	Engineering survey & Preliminary Design - Completed
8	1408037	Saravane	Samuoi District	B. Lavaneua	148	Engineering survey & Preliminary Design - Completed
9	1408044	Saravane	Samuoi District	B. Lahang	637	Construction Completed (Pilot)
10	1408045	Saravane	Samuoi District	B. Tangko	707	Engineering survey & Preliminary Design - Completed
11	1408046	Saravane	Samuoi District	B. Phina	294	Engineering survey & Preliminary Design - Completed
12	1502004	Sekong	Kaleum District	B. Parkxai	224	Engineering survey & Preliminary Design - Completed
13	1502015	Sekong	Kaleum District	B. Ching	271	Engineering survey & Preliminary Design - Completed
14	1502016	Sekong	Kaleum District	B. Songkhone	528	Engineering survey & Preliminary Design - Completed
15	1502017	Sekong	Kaleum District	B. Chalork	336	Engineering survey & Preliminary Design - Completed
16	1502018	Sekong	Kaleum District	B. Loelui (Doeui)	323	Engineering survey & Preliminary Design - Completed
17	1502043	Sekong	Kaleum District	B. Talui	178	Construction Completed (Pilot)
18	1503017	Sekong	Dakcheung District	B. Dark treb	690	Engineering survey & Preliminary Design - Completed
19	1503021	Sekong	Dakcheung District	B. Lienglouang	500	Engineering survey & Preliminary Design - Completed
20	1503060	Sekong	Dakcheung District	B. Darkxeng	364	Engineering survey & Preliminary Design - Completed
21	1503086	Sekong	Dakcheung District	B. Darden	538	Details Design with BoQ - Completed
22	1701019	Attapeu	Xaysetha District	B. Hadsaty	1607	Engineering survey & Preliminary Design - Completed
23	1701036	Attapeu	Xaysetha District	B. Phaosamphanmixai	1382	Engineering survey & Preliminary Design - Completed
24	1701037	Attapeu	Xaysetha District	B. Yaoudom	3078	Engineering survey & Preliminary Design - Completed
25	1702018	Attapeu	Samakkhixay District	B. Champhao	983	Construction Completed (Pilot)
26	1702019	Attapeu	Samakkhixay District	B. Kamesung	886	Construction Completed (Pilot)
27	1702020	Attapeu	Samakkhixay District	B. Tamaleua	946	Engineering survey & Preliminary Design - Completed
28	1702021	Attapeu	Samakkhixay District	Hom	2598	Engineering survey & Preliminary Design - Completed

29	1704005	Attapeu	Sanxay District	B. Dakhiat	1597	Details Design with BoQ - Completed
30	1704031	Attapeu	Sanxay District	B. Vungsay	1526	Details Design with BoQ - Completed
31	1704060	Attapeu	Sanxay District	B. Tathkoom	463	Engineering suvey & Preliminary Design - Completed
32	1704061	Attapeu	Sanxay District	B. Pheerkeo	458	Details Design with BoQ - Completed
33	1704062	Attapeu	Sanxay District	B. Phouxai	1020	Details Design with BoQ - Completed
34	1705005	Attapeu	Phouvong District	B. Vongsay	895	Engineering suvey & Preliminary Design - Completed
35	1705012	Attapeu	Phouvong District	B. Kaouan (Taoum)	510	<b>Construction Completed (Pilot)</b>
36	1705014	Attapeu	Phouvong District	B. Vonglakone	526	Engineering suvey & Preliminary Design - Completed
37	1705024	Attapeu	Phouvong District	B. Phousay	315	<b>Construction Completed (Pilot)</b>
38	1705026	Attapeu	Phouvong District	B. Vungkhan	1972	Details Design with BoQ - Completed
39	1705027	Attapeu	Phouvong District	B. Khamvongsa	1364	Details Design with BoQ - Completed
40	1705027007	Attapeu	Phouvong District	B. Makkieng	613	Details Design with BoQ - Completed



## Annex 4 Project sheets

All infographics of the villages are easily found with their village code through this link: <http://af-189villages.info/>



**B. Lakhab (1402005)**  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **513**  
Main ethnic group: **Katang**  
Other ethnic group: **Bakoe**  
Religion: **Animism**

Age: 0-17 18-59 >64  
49% 25% 10% 0%  
51% 40% 17% 0%

Legend:  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Public Phone receptor  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Vegetables
- Wood
- Stream

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- No floods
- No droughts
- 1 every 3-5 years: Homes, Less frequent
- No Landslides

**DRIY SEASON**      **WET SEASON**

Slight increase      No change  
Some decrease      Some decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

- No hydropower dam

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1**  
Sensitivity: **2.87**  
Ranking: **2.87**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Repair water reservoir
3. Increase agricultural production (expand production area)

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**B. Paseer (1402006)**  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **474**  
Main ethnic group: **Katang**  
Other ethnic group: **Bakoe**  
Religion: **Animism**

Age: 0-17 18-59 >64  
51% 25% 10% 0%  
49% 29% 18% 2%

Legend:  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Public Phone receptor  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Vegetables
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Kindergarten
- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- No floods
- No droughts
- Never, No impact
- No Landslides

**DRIY SEASON**      **WET SEASON**

Slight increase      Slight increase  
Slight Decrease      Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

- No hydropower dam

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.8**  
Sensitivity: **3.33**  
Ranking: **2.67**

**PRIORITIES & NEEDS**

1. Repair pipe/distribution
2. Construct bridge (under water)
3. Increase agricultural production (expand production area)

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## B. Pachoudone (1402007) Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **828**  
 Main ethnic group: **Bakoo**  
 Other ethnic group: **Katang, Lao**  
 Religion: **Animism**



**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Grass
- Vegetables
- River

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock

**Education:**

- Kindergarten
- Primary
- High school



**HEALTH**

**Water-borne:** Alergies, Eye, Skin  
**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- No floods
- No droughts
- Never No Impact
- No Landslides

**DRY SEASON**  
 Slight increase  
 Slight Decrease

**WET SEASON**  
 Slight increase  
 Slight Decrease

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.8**  
 Sensitivity: **2.1**  
 Ranking: **3.78**

**PRIORITIES & NEEDS**

1. Increase agricultural production (expand production area)
2. Construct water facility (borehole)
3. Repair pipe/distribution

## B. Chohal (1402011) Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **588**  
 Main ethnic group: **Bakoo**  
 Other ethnic group: **None**  
 Religion: **Animism**



**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Vegetables
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary



**HEALTH**

**Water-borne:** Alergies, Diarrhea, Eye, Skin  
**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- No floods
- No droughts
- Never No Impact
- No Landslides

**DRY SEASON**  
 Slight increase  
 Slight Decrease

**WET SEASON**  
 Slight increase  
 Slight Decrease

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.8**  
 Sensitivity: **3.8**  
 Ranking: **3.04**

**PRIORITIES & NEEDS**

1. Increase agricultural production (expand production area)
2. Construct water facility (borehole)
3. Construct bridge (suspended)

**B. Tungkong (1402012)**  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **968**  
Main ethnic group: **Bakoe**  
Other ethnic group: **Katang**  
Religion: **Animism**

Age: 0-17 18-59 >64  
49% 23% 14% 13%  
51% 11% 16% 20%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Vegetables
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

Never  
No impact

No Landslides

**DRY SEASON**

Slight increase

Slight Decrease

**WET SEASON**

Slight Decrease

Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.6**

Sensitivity: **3.5**

Ranking: **2.1**

**PRIORITIES & NEEDS**

1. Increase agricultural production (expand production area)
2. Construct water facility (boothole)
3. Construct pipe distribution systems

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**B. Piko (1402013)**  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **739**  
Main ethnic group: **Bakoe**  
Other ethnic group: **Ta Oy, Katang**  
Religion: **Animism**

Age: 0-17 18-59 >64  
42% 17% 17% 0%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Vegetables
- Wood
- Stream

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 10 years  
livelihoods  
Less severe

1 every 10 years  
food  
Crops  
Less severe

1 every 10 years  
Home  
Infrastructure  
Not changing

No Landslides

**DRY SEASON**

Slight increase

Some decrease

**WET SEASON**

Slight Decrease

Slight Decrease

**IMPACTS:**  
Health / Water / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.93**

Sensitivity: **2.9**

Ranking: **2.71**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Repair water reservoir
3. Build latrine (Sanitation)

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**B. Adone (1402014)**  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **575**  
Main ethnic group: **Bakoo**  
Other ethnic group: **Lao**  
Religion: **Animism**



**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Grass
- Vegetables
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

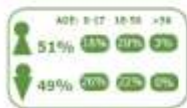
**Education:**

- Primary



**HEALTH**

Water-borne: **Aberkias, Eye, Skin**  
 Vector-borne: **Dengue, Encephalitis**



**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- No floods
- No droughts
- Never No Impact
- No Landslides

**DRY SEASON**

Slight increase  
Slight Decrease

**WET SEASON**

Slight increase  
Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.8**  
 Sensitivity: **3.07**  
 Ranking: **2.45**

**PRIORITIES & NEEDS**

1. Improve water reservoir
2. Improve pipe distribution system
3. Construct water facility (borehole)

**B. Axor (1407016)**  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **199**  
Main ethnic group: **Bakoo**  
Other ethnic group: **None**  
Religion: **Animism**



**Ecosystem & Services:**

- Rice
- Maize
- Sugar cane
- Coffee
- Vegetables
- Stream

**Sources of Income:**

- Subsistence agriculture
- Livestock

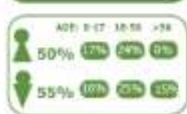
**Education:**

- Primary



**HEALTH**

Water-borne: **Aberkias, Diarrhea, Eye, Skin**  
 Vector-borne: **Dengue, Encephalitis, Malaria**



**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- 1 every 10 years livelihoods Health Less severe
- 1 every 10 years Food Crops Less severe
- 1 every 10 years Infrastructure Income Less frequent
- People injured

**DRY SEASON**

Slight increase  
Slight Decrease

**WET SEASON**

Slight increase  
Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.93**  
 Sensitivity: **3.1**  
 Ranking: **2.89**

**PRIORITIES & NEEDS**

1. Construct bridge
2. Increase agricultural production
3. Construct pipe distribution system

**B. Adeu (1492017)**  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **356**  
Main ethnic group: **Bakoo**  
Other ethnic group: **Lao, Katang**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
67% 29% 4% 0%  
54% 26% 14% 6%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Vegetables
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary

**Basic Services**

**HEALTH**

**Water-borne:** Allergies, Eye, Skin  
**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

↓ every 10 years  
**Houses, livelihoods, Health**  
Less severe

↓ every 10 years  
**Water, Food, Crops**  
Less severe

↓ every 10 years  
**Houses, Infrastructure, Income**  
Less frequent

**DRY SEASON**  
Slight increase  
Some decrease

**WET SEASON**  
Slight increase  
Slight Decrease

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.13**  
Sensitivity: **2.5**  
Ranking: **2.83**

**PRIORITIES & NEEDS**

1. Increase agricultural production
2. Construct water facility (borehole)
3. Repair pipe/distribution

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**B. Sanyayone (1492027)**  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **113**  
Main ethnic group: **Ta Oy**  
Other ethnic group: **Ngkriang (Ng<sup>h</sup>), Katang**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
756% 20% 41% 0%  
52% 22% 13% 4%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Grass
- Vegetables

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

**Water-borne:** Allergies, Eye, Skin  
**Vector-borne:** Dengue, Encephalitis

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**No droughts**

↓ every 3-5 years  
**Houses, Infrastructure**  
Less frequent

**DRY SEASON**  
Slight increase  
Slight Decrease

**WET SEASON**  
Slight increase  
Slight Decrease

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.8**  
Sensitivity: **3.6**  
Ranking: **2.88**

**PRIORITIES & NEEDS**

1. Increase agricultural production (expand production area)
2. Diversify livelihoods
3. Increase agricultural production (expand production area)

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**B. Kamouan** (1402031)  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017):  
**415**

Main ethnic group:  
**Ta Oy**

Other ethnic group:  
**Lao**

Religion:  
**Animism**

**Ecosystem & Services:**

- Rice
- Maize
- Coffee
- Grass
- Vegetables
- Wood

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Kindergarten
- Primary

**Basic Services**

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

**No floods**      **No droughts**      **↓ every 10 years Homes**  
Loss frequent

**DRY SEASON**

Slight Decrease

Slight Decrease

**WET SEASON**

Slight increase

Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ More agricultural land (+)      Loss of biodiversity (-)  
Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.5**

Sensitivity: **3.4**

Ranking: **5.44**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Build latrine (Sanitation)
3. Village drug kit

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**B. Pasom** (1402032)  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017):  
**347**

Main ethnic group:  
**Ta Oy**

Other ethnic group:  
**Lao, Bakoe**

Religion:  
**Animism**

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Vegetables

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

**No floods**      **No droughts**      **Never**  
No impact

**DRY SEASON**

Slight increase

Slight Decrease

**WET SEASON**

Slight Decrease

Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ Industrial develop (+)      Loss of biodiversity (-)  
+ More agricultural land (+)      Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.6**

Sensitivity: **3.33**

Ranking: **2**

**PRIORITIES & NEEDS**

1. Training; management and maintenance (Health/Sanitation)
2. Repair pipe/distribution
3. Construct water facility (borehole)

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**B. Thongxa** (1402033)  
 Ta oi District, Saravane

**DEMOGRAPHICS**  
 Population (2017): **695**  
 Main ethnic group: **Ta Oy**  
 Other ethnic group: **Lao**  
 Religion: **Animism**

**Ecosystem & Services:**  
 - Rice  
 - Maize  
 - Livestock  
 - Grass  
  
**Sources of Income:**  
 - Subsistence agriculture  
 - Livestock  
  
**Education:**  
 - Kindergarten  
 - Primary

**Basic Services**

**ADP: 0-17 18-59 >64**  
 46% 21% 18% 4%  
 55% 58% 14% 2%

**HEALTH**  
 Water-borne: Allergies, Eye, Skin  
 Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years:

**ENVIRONMENTAL ISSUES**  
**Deforestation impacts:**  
 + Industrial develop (+)  
 + More agricultural land (+)  
 Loss of biodiversity (-)  
 Less food sources (-)  
  
**Hydropower impacts:**  
 No hydropower dam  
  
**Mining impacts:**  
 No mining activity

**VULNERABILITY INDEX**  
 Hazard Intensity: **1.5**  
 Sensitivity: **3.4**  
 Ranking: **5.1**

**PRIORITIES & NEEDS**  
 1. Increase agricultural production (expand production area)  
 2. Increase agricultural production  
 3. Construct water facility (borehole)

**IMPACTS:**  
 Health / Water / Agriculture

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**B. Pitian** (1402034)  
 Ta oi District, Saravane

**DEMOGRAPHICS**  
 Population (2017): **257**  
 Main ethnic group: **Ta Oy**  
 Other ethnic group: **None**  
 Religion: **Animism**

**Ecosystem & Services:**  
 - Rice  
 - Maize  
 - Livestock  
 - Grass  
  
**Sources of Income:**  
 - Subsistence agriculture  
 - Livestock  
  
**Education:**  
 - None

**Basic Services**

**ADP: 0-17 18-59 >64**  
 51% 25% 21% 2%  
 49% 60% 15% 2%

**HEALTH**  
 Water-borne: Allergies, Eye, Skin  
 Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years:

**ENVIRONMENTAL ISSUES**  
**Deforestation impacts:**  
 + Industrial develop (+)  
 + More agricultural land (+)  
 Loss of biodiversity (-)  
 Less food sources (-)  
  
**Hydropower impacts:**  
 No hydropower dam  
  
**Mining impacts:**  
 No mining activity

**VULNERABILITY INDEX**  
 Hazard Intensity: **0.6**  
 Sensitivity: **3.8**  
 Ranking: **2.28**

**PRIORITIES & NEEDS**  
 1. Increase agricultural production (expand production area)  
 2. Build latrine (Sanitation)  
 3. Increase agricultural production

**IMPACTS:**  
 Health / Water / Agriculture / Livestock

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**B. Bongnam** (1402035)  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **544**  
Main ethnic group: **Ta Oy**  
Other ethnic group: **Lao**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
47% 54% 21% 9%  
53% 40% 15% 6%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Vegetables
- Stream

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

↓ every 10 years  
House  
Infrastructure  
Income  
Less frequent

**DRY SEASON**

Slight increase

Slight increase

**WET SEASON**

Slight increase

Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.7**

Sensitivity: **2.23**

Ranking: **3.8**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Construct water facility (boothole)
3. Increase agricultural production

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**B. Padu** (1402038)  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **1021**  
Main ethnic group: **Katang**  
Other ethnic group: **Ta Oy, Lao**  
Religion: **Buddhism, Animism**

AGE: 0-17 18-59 >64  
48% 54% 21% 9%  
51% 40% 15% 6%

**Ecosystem & Services:**

- Rice
- Maize
- Sugar cane
- Vegetables
- Stream

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

↓ every 10 years  
livelihoods  
Health  
Less severe

↓ every 10 years  
Water  
Food  
Crops  
Less severe

↓ every 10 years  
House  
Infrastructure  
Income  
Less frequent

**DRY SEASON**

Slight increase

Slight Decrease

**WET SEASON**

Slight increase

Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.93**

Sensitivity: **3.07**

Ranking: **2.86**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Sanitation)
3. Construct water reservoir

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**B. Soytam (1402043)**  
 Ta of District, Saravane

**DEMOGRAPHICS**  
 Population (2017): **1157**  
 Main ethnic group: **Katang**  
 Other ethnic group: **None**  
 Religion: **Animiam**

**Ecosystem & Services:**  
 - Rice  
 - Maize  
 - Livestock  
 - Vegetables  
 - Stream  
  
**Sources of Income:**  
 - Subsistence agriculture  
 - Livestock  
  
**Education:**  
 - Primary

**Basic Services**

**ADP: 0-17 10-58 >34**  
 49% 25% 07% 0%  
 51% 41% 17% 0%

**HEALTH**  
 Water-borne: **Alopecia, Diarrhea, Eye, Skin**  
 Vector-borne: **Dengue, Encephalitis, Malaria**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

**ENVIRONMENTAL ISSUES**  
**Deforestation impacts**  
 + Industrial develop (+)  
 + More agricultural land (+)  
 Loss of biodiversity (-)  
 Less food sources (-)  
  
**Hydropower impacts**  
 No hydropower dam  
  
**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**  
 Hazard Intensity: **0.8**  
 Sensitivity: **3.8**  
 Ranking: **3.04**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

**ENVIRONMENTAL ISSUES**  
**Deforestation impacts**  
 + Industrial develop (+)  
 + More agricultural land (+)  
 Loss of biodiversity (-)  
 Less food sources (-)  
  
**Hydropower impacts**  
 No hydropower dam  
  
**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**  
 Hazard Intensity: **0.6**  
 Sensitivity: **3.23**  
 Ranking: **1.94**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

**ENVIRONMENTAL ISSUES**  
**Deforestation impacts**  
 + Industrial develop (+)  
 + More agricultural land (+)  
 Loss of biodiversity (-)  
 Less food sources (-)  
  
**Hydropower impacts**  
 No hydropower dam  
  
**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**  
 Hazard Intensity: **0.6**  
 Sensitivity: **3.23**  
 Ranking: **1.94**

**PRIORITIES & NEEDS**  
 1. Construct pipe distribution system  
 2. Build latrine (Health)  
 3. Increase agricultural production (expand production area)

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**B. Chorlavieng (1407045)**  
 Ta of District, Saravane

**DEMOGRAPHICS**  
 Population (2017): **643**  
 Main ethnic group: **Katang**  
 Other ethnic group: **Lao**  
 Religion: **Animiam**

**Ecosystem & Services:**  
 - Rice  
 - Maize  
 - Livestock  
 - Vegetables  
  
**Sources of Income:**  
 - Subsistence agriculture  
 - Livestock  
  
**Education:**  
 - Primary

**Basic Services**

**ADP: 0-17 10-58 >34**  
 48% 25% 07% 0%  
 52% 41% 17% 0%

**HEALTH**  
 Water-borne: **Alopecia, Diarrhea, Eye, Skin**  
 Vector-borne: **Dengue, Encephalitis, Malaria**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

**ENVIRONMENTAL ISSUES**  
**Deforestation impacts**  
 + Industrial develop (+)  
 + More agricultural land (+)  
 Loss of biodiversity (-)  
 Less food sources (-)  
  
**Hydropower impacts**  
 No hydropower dam  
  
**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**  
 Hazard Intensity: **0.6**  
 Sensitivity: **3.23**  
 Ranking: **1.94**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

**ENVIRONMENTAL ISSUES**  
**Deforestation impacts**  
 + Industrial develop (+)  
 + More agricultural land (+)  
 Loss of biodiversity (-)  
 Less food sources (-)  
  
**Hydropower impacts**  
 No hydropower dam  
  
**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**  
 Hazard Intensity: **0.6**  
 Sensitivity: **3.23**  
 Ranking: **1.94**

**PRIORITIES & NEEDS**  
 1. Repair pipe/distribution  
 2. Increase agricultural production  
 3. Repair pipe/distribution

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**B. Kang** (1402040)  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **578**  
Main ethnic group: **Katang**  
Other ethnic group: **Ta Oy, Lao**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
48% 20% 21% 9%  
51% 27% 14% 10%

**Ecosystem & Services:**

- Rice
- Maize
- Vegetables
- Wood

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

**Water-borne:** Allergies, Diarrhea

**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

Never  
No Impact

**DRY SEASON**

Slight increase

Slight Decrease

**WET SEASON**

Some decrease

Slight Decrease

**IMPACTS:**  
Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.6**

Sensitivity: **3.53**

Ranking: **2.12**

**PRIORITIES & NEEDS**

1. Increase agricultural production (expand production area)
2. Construct pipe distribution system
3. Build latrine (Sanitation)

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**B. Kape** (1402051)  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **694**  
Main ethnic group: **Ta Oy**  
Other ethnic group: **Katang, Bakoe**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
47% 32% 11% 2%  
53% 28% 25% 2%

**Ecosystem & Services:**

- Rice
- Maize
- Vegetables

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

**Water-borne:** Allergies, Diarrhea, Eye, Skin

**Vector-borne:** Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

Never  
No Impact

**DRY SEASON**

Slight increase

Slight Decrease

**WET SEASON**

Slight Decrease

Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.6**

Sensitivity: **3.5**

Ranking: **2.1**

**PRIORITIES & NEEDS**

1. Increase agricultural production (expand production area)
2. Construct pipe distribution system
3. Construct water facility (borehole)

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**B. Katen** (1402054)  
Ta Oi District, Saravane

**DEMOGRAPHICS**

Population (2017): **574**  
 Main ethnic group: **Ta Oy**  
 Other ethnic group: **None**  
 Religion: **Animism**

ADP: 8 (7 - 10.5) >34

49% 14% 52% 2%

51% 17% 22% 1%

**Ecosystem & Services:**

- Rice
- Maize
- Sugar cane
- Vegetables
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: **Alopecia, Diarrhea, Eye, Skin**      Vector-borne: **Dengue, Encephalitis, Malaria**

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

↓ every 10 years  
**livelihoods**  
Health  
Loss severe

↓ every 10 years  
**Water**  
Food  
Crises  
Loss severe

↓ every 10 years  
**Infrastructure**  
Income  
Loss frequent

**DRY SEASON**

Slight increase  
Slight decrease

**WET SEASON**

Slight increase  
Slight decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Landslides
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

- No positive impact
- Changing river flows (-)

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.93**

Sensitivity: **3.23**

Ranking: **3.02**

**PRIORITIES & NEEDS**

1. Increase agricultural production
2. Increase agricultural production (expand production area)
3. Construct pipe distribution system

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**B. Paten** (1402055)  
Ta Oi District, Saravane

**DEMOGRAPHICS**

Population (2017): **477**  
 Main ethnic group: **Ta Oy**  
 Other ethnic group: **None**  
 Religion: **Animism**

ADP: 8 (7 - 10.5) >34

43% 25% 27% 4%

57% 17% 17% 2%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Vegetables
- Stream
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: **Alopecia, Diarrhea, Eye, Skin**      Vector-borne: **Dengue, Encephalitis, Malaria**

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

↓ every 10 years  
**livelihoods**  
Health  
Loss severe

↓ every 10 years  
**Water**  
Food  
Crises  
Loss severe

↓ every 10 years  
**Infrastructure**  
Income  
Loss frequent

**DRY SEASON**

Slight increase  
Some decrease

**WET SEASON**

Slight increase  
Slight decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Landslides
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

- No hydropower dam

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.13**

Sensitivity: **3.23**

Ranking: **6.9**

**PRIORITIES & NEEDS**

1. Repair road
2. Pipe under road
3. Construct pipe distribution system

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**B. Toumykhao (1402000)**  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **523**  
Main ethnic group: **Katang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
50% 27% 22% 1%  
50% 41% 16% 1%

Legend: Road network, Communication Network, Basic facilities, Water facilities

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Vegetables
- Stream
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- ↓ every 10 years: **livelihoods** (Health: Less severe)
- ↓ every 10 years: **Water** (Food: Crops, Less severe)
- ↓ every 10 years: **Home** (Infrastructure: Income, Less frequent)
- No Landslides**

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts:**

- No hydropower dam

**Mining impacts:**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.93**  
Sensitivity: **3.17**  
Ranking: **2.96**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Increase agricultural production (expand production area)
3. Construct pipe distribution system

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**B. Dao (1402001)**  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **384**  
Main ethnic group: **Katang**  
Other ethnic group: **Bakoe, Lao**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
42% 15% 40% 3%  
58% 37% 15% 2%

Legend: Road network, Communication Network, Basic facilities, Water facilities

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Vegetables
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- ↓ every 10 years: **livelihoods** (Health: Not changing)
- ↓ every 10 years: **Water** (Food: Crops, Not changing)
- ↓ every 10 years: **Home** (Infrastructure: Income, Less frequent)
- No Landslides**

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts:**

- No hydropower dam

**Mining impacts:**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.87**  
Sensitivity: **3.5**  
Ranking: **3.03**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Build latrine (Sanitation)
3. Construct water reservoir

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**B. Sing** (1402002)  
Ta oi District, Saravane

**DEMOGRAPHICS**

Population (2017): **320**  
Main ethnic group: **Oy**  
Other ethnic group: **Katang, Bakoe**  
Religion: **Animiam**

ADP: 8-17 10-58 >34

43% 15% 10% 0%

57% 0% 10% 0%

**Head network**  
Road  
Trail

**Communication Network**  
Public Electricity on Grid  
Public Phone register

**Basic facilities**  
Health Centre  
Primary School  
Shelter facilities

**Water facilities**  
Gravity feed system  
Deep Well

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Vegetables

**Sources of Income:**

- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

**No floods**

**No droughts**

More than 1 per year  
**Homes**  
Not changing

**No Landslides**

**DRY SEASON**

Slight increase  
Slight Decrease

**WET SEASON**

Some decrease  
Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ More agricultural land (+)    Loss of biodiversity (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.6**

Sensitivity: **3.5**

Ranking: **2.1**

**PRIORITIES & NEEDS**

1. Increase agricultural production (expand production area)
2. Build latrine (Sanitation)
3. Increase agricultural production

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**B. Sanang** (1402063)  
Ta oi District, Saravane

**DEMOGRAPHICS**

Population (2017): **498**  
Main ethnic group: **Katang**  
Other ethnic group: **Ta Oy, Lao**  
Religion: **Animiam**

ADP: 8-17 10-58 >34

52% 25% 10% 0%

48% 0% 17% 0%

**Head network**  
Road  
Trail

**Communication Network**  
Public Electricity on Grid  
Public Phone register

**Basic facilities**  
Health Centre  
Primary School  
Shelter facilities

**Water facilities**  
Gravity feed system  
Deep Well

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Vegetables
- Wood
- Stream
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Trade
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Aberrant, Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

1 every 10 years  
**livelihoods**  
Health  
Less severe

2 every 10 years  
**Water**  
Food  
Crisis  
Less severe

1 every 10 years  
**Homes**  
Less frequent

**No Landslides**

**DRY SEASON**

Slight increase  
Slight Decrease

**WET SEASON**

Slight Decrease  
Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ More agricultural land (+)    Loss of biodiversity (-)  
Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.73**

Sensitivity: **3.23**

Ranking: **2.37**

**PRIORITIES & NEEDS**

1. Increase agricultural production (expand production area)
2. Construct water facility (borehole)
3. Repair water reservoir

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**B. Porbeui** (1402064)  
Ta of District, Saravane

**DEMOGRAPHICS**

Population (2017): **420**  
Main ethnic group: **Ta Oy**  
Other ethnic group: **Katang**  
Religion: **Animism**

Age: 0-17 18-59 >64  
51% 39% 10%  
Gender: 49% 51% 0% 0%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Vegetables
- Wood

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- ↓ every 10 years: Houses, livelihoods, Health (Less severe)
- ↓ every 10 years: Water, Food, Crops (Less severe)
- ↓ every 10 years: Houses, Infrastructure, Income (Less frequent)
- No Landslides

**DRY SEASON:** Slight increase, Slight Decrease  
**WET SEASON:** Slight increase, Slight Decrease

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** + Industrial develop (+), + More agricultural land (+); Loss of biodiversity (-), Less food sources (-)

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.93**  
Sensitivity: **3.07**  
Ranking: **2.86**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Construct water facility (borehole)
3. Increase agricultural production

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**B. Taloung** (1403004)  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **277**  
Main ethnic group: **Kado**  
Other ethnic group: **None**  
Religion: **Animism**

Age: 0-17 18-59 >64  
51% 39% 10%  
Gender: 47% 53% 0% 0%

**Ecosystem & Services:**

- None

**Sources of Income:**

- Casual labor

**Education:**

- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: **None**  
Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- No floods
- No droughts
- ↓ 1 per year: Infrastructure (Less frequent)
- No Landslides

**DRY SEASON:** Some increase, Slight Decrease  
**WET SEASON:** Slight Decrease, Some increase

**IMPACTS:** Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** + More agricultural land (+); No negative impact

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.8**  
Sensitivity: **3.3**  
Ranking: **2.64**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Build latrine (Health)
3. Village food

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**B. Taliab (140005)**  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **327**  
Main ethnic group: **Kado**  
Other ethnic group: **None**  
Religion: **Animism**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Agriculture

**Education:**  
- Primary



**HEALTH**

Water-borne: **Diarrhea, Skin**  
 Vector-borne: **None**



**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 per year **No impact** (Less severe)
- 1 per year **Food** (Less severe)
- 1 per year **Infrastructure** (Less frequent)
- No Landslides**

**DRY SEASON:** No change  
**WET SEASON:** No change

**IMPACTS:** Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:**  
+ More agricultural land (+)  
No negative impact

**Hydropower impacts:**  
No hydropower dam

**Mining impacts:**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.53**  
 Sensitivity: **4.2**  
 Ranking: **2.24**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Health)

**B. Ho (140006)**  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **185**  
Main ethnic group: **Kado**  
Other ethnic group: **None**  
Religion: **Animism**



**Ecosystem & Services:**  
- None

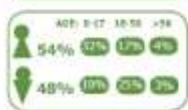
**Sources of Income:**  
- Self-casava

**Education:**  
- Primary



**HEALTH**

Water-borne: **Diarrhea**  
 Vector-borne: **None**



**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 per year **Health** (Less severe)
- 1 every 3-5 years **Crops** (Less severe)
- 1 per year **Infrastructure** (Less frequent)
- No Landslides**

**DRY SEASON:** No change  
**WET SEASON:** Slight Decrease

**IMPACTS:** Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:**  
+ More agricultural land (+)  
No negative impact

**Hydropower impacts:**  
No hydropower dam

**Mining impacts:**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.5**  
 Sensitivity: **4.2**  
 Ranking: **6.72**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Health)
3. Training: management and maintenance (Water)

**B. Paluatieng** (1408007)  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **197**  
Main ethnic group: **Kado**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
48% 25% 10% 4%  
52% 31% 15% 2%

Legend:  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Mobile Phone receptor  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Self-casava

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-bourne: **None**  
Vector-bourne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**No droughts**

**1 per year Infrastructure**  
Loss frequent

**No Landslides**

**DRY SEASON**

No change  
Some increase

**WET SEASON**

No change  
No change

**IMPACTS:**  
Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ More agricultural land (+)  
No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.2**  
Sensitivity: **4.2**  
Ranking: **5.04**

**PRIORITIES & NEEDS**

- Construct water facility (boothole)
- Build latrine (Health)

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**B. Amen** (1405009)  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **212**  
Main ethnic group: **Kado**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
50% 27% 10% 9%  
48% 27% 17% 4%

Legend:  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Mobile Phone receptor  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Self-casava

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-bourne: **Allergies Skin**  
Vector-bourne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**No droughts**

**More than 1 per year Infrastructure**  
Not changing

**No Landslides**

**DRY SEASON**

Some increase  
Slight increase

**WET SEASON**

Some increase  
Some increase

**IMPACTS:**  
Health

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ More agricultural land (+)  
No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.1**  
Sensitivity: **4**  
Ranking: **4.4**

**PRIORITIES & NEEDS**

- Construct pipe distribution system
- Improve storage
- Training, management and maintenance (Water)

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## B. Lasen (1406012) Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **111**

Main ethnic group: **Kanay**

Other ethnic group: **None**

Religion: **Animism**



**Ecosystem & Services:** - None

**Sources of Income:** - Agriculture

**Education:** - Primary, - High school



**HEALTH**

Water-borne: **None**

Vector-borne: **None**

### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

- No floods
- No droughts
- 1 per year Infrastructure Loss frequent
- No Landslides

**DRY SEASON**      **WET SEASON**

Significant Increase    Slight Decrease

Significant Increase    Slight Decrease

**IMPACTS:** Livestock

### ENVIRONMENTAL ISSUES

**Deforestation impacts**

+ More agricultural land (+)

No negative impact

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

### VULNERABILITY INDEX

Hazard Intensity: **1.1**

Sensitivity: **3.3**

Ranking: **3.63**

**PRIORITIES & NEEDS**

- Construct pipe distribution system
- Build latrine (Health)

## B. Ajahongtun (1406013) Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **202**

Main ethnic group: **Kado**

Other ethnic group: **None**

Religion: **Animism**

Age: 0-17: 10.5%    18-59: 53%    60+: 36.5%

Gender: 47%    49%    43%    4%



**Ecosystem & Services:** - None

**Sources of Income:** - Self-casava

**Education:** - Primary incomplete



**HEALTH**

Water-borne: **Diarrhea**

Vector-borne: **None**

### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

- No floods
- No droughts
- 1 per year Infrastructure Loss frequent
- No Landslides

**DRY SEASON**      **WET SEASON**

Significant Increase    Slight Decrease

Slight increase        Slight Decrease

**IMPACTS:** Livestock

### ENVIRONMENTAL ISSUES

**Deforestation impacts**

+ More agricultural land (+)

No negative impact

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

### VULNERABILITY INDEX

Hazard Intensity: **1.8**

Sensitivity: **4**

Ranking: **7.2**

**PRIORITIES & NEEDS**

- Build latrine (Health)
- Training; management and maintenance (Health-Sanitation)

**B. Xe** (1408014)  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **157**  
Main ethnic group: **Kado**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
48% 22% 29% 0%  
52% 27% 20% 0%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Agriculture

**Education:**  
- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: **Diarrhea**    Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 every 3-5 years Houses livelihoods Health Less severe
- 2 every 10 years Water Less severe
- 1 per year Infrastructure Less frequent
- No Landslides

**IMPACTS:** Health

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ More agricultural land (+)    No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.5**  
Sensitivity: **3.8**  
Ranking: **3.42**

**PRIORITIES & NEEDS**

1. Build latrine (Health)
2. Training; management and maintenance (Health Sanitation)

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**B. Tanyu** (1408019)  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **134**  
Main ethnic group: **Kado**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
48% 23% 27% 0%  
51% 27% 21% 0%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Self-consum

**Education:**  
- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: **skin**    Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- No floods
- No droughts
- 1 per year Infrastructure Less frequent
- No Landslides

**IMPACTS:** Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ More agricultural land (+)    No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.5**  
Sensitivity: **4.2**  
Ranking: **3.36**

**PRIORITIES & NEEDS**

1. Improve pipe distribution system
2. Build latrine (Health)

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**Shelter**

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**B. Samouay** (140017)  
Samouai District, Saravane

**DEMOGRAPHICS**

Population (2017): **137**  
Main ethnic group: **Kado**  
Other ethnic group: **None**  
Religion: **Animism**

ADP: 0-17 10-50 >50  
53% 42% 10% 2%  
47% 50% 16% 2%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- RTFP

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: **None**      Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

1 per year  
Infrastructure  
Loss frequent

No Landslides

**DRY SEASON**

Significant Increase

Slight Decrease

**WET SEASON**

Slight Decrease

Slight Decrease

**IMPACTS:**  
Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ More agricultural land (+)  
No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.9**  
Sensitivity: **4**  
Ranking: **7.6**

**PRIORITIES & NEEDS**

- Construct pipe distribution system
- Construct storage
- Build latrine (Health)

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**B. Tandy** (140020)  
Samouai District, Saravane

**DEMOGRAPHICS**

Population (2017): **216**  
Main ethnic group: **Kado**  
Other ethnic group: **None**  
Religion: **Animism**

ADP: 0-17 10-50 >50  
44% 25% 17% 2%  
52% 29% 12% 6%

**Ecosystem & Services:**  
- Rice  
- Maize  
- Livestock  
- Sugar cane  
- Coffee  
- Wood  
- Rubber

**Sources of Income:**  
- Subsistence agriculture  
- Livestock  
- Casual labor

**Education:**  
- Primary incomplete  
- Primary

**Basic Services**

**HEALTH**

Water-borne: **None**      Vector-borne: **None**  
 Allergic      Dengue  
 Diarrhea      Encephalitis  
 Eye      Malaria  
 Skin

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

More than 1 per year  
House  
Income  
Rice fields  
Not changing

No Landslides

**DRY SEASON**

Slight increase

Some increase

**WET SEASON**

No change

Slight increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No deforestation activity

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.5**  
Sensitivity: **3.63**  
Ranking: **1.82**

**PRIORITIES & NEEDS**

- Build latrine (Health)
- Construct pipe distribution system

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**B. Asao (1408021)**  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **133**  
Main ethnic group: **Kado**  
Other ethnic group: **None**  
Religion: **Animism**

40% 5-17 10-18 +34  
41% 20% 10% 4%  
53% 40% 22% 5%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Vegetables
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- None

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

More than 1 per year  
Home Income  
Not changing

**DRY SEASON**  
No change  
Slight Decrease

**WET SEASON**  
No change  
Slight Decrease

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No deforestation activity

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.4**  
Sensitivity: **4.2**  
Ranking: **1.68**

**PRIORITIES & NEEDS**

1. Build latrine (Health)
2. Construct pipe distribution system
3. Improve pipe distribution system

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**B. Pheex (1408023)**  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **247**  
Main ethnic group: **Kado**  
Other ethnic group: **Bakoe**  
Religion: **Animism**

40% 5-17 10-18 +34  
54% 13% 40% 1%  
38% 18% 18% 2%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Vegetables
- Wood
- Stream
- River

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

More than 1 per year  
Home Infrastructure Income  
Not changing

**DRY SEASON**  
Slight Decrease  
Slight Decrease

**WET SEASON**  
Slight increase  
Slight Decrease

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No deforestation activity

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.6**  
Sensitivity: **3.23**  
Ranking: **1.94**

**PRIORITIES & NEEDS**

1. Build latrine (Health)
2. Improve pipe distribution system

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**Shelter**

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**B. Talouai** (1400020)   
 Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): 159  
Main ethnic group: Kado  
Other ethnic group: None  
Religion: Animism

ADP: 8-17 10-58 >34

56% 11% 27% 2%

44% 27% 40% 2%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- NTFP

**Education:**  
- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: **None**      Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**No droughts**

**Never**  
No impact

**No Landslides**

**DRY SEASON**  
Some increase  
Slight Decrease

**WET SEASON**  
Slight Decrease  
Slight Decrease

**IMPACTS:** Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ More agricultural land (+)  
No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 1.8  
Sensitivity: 4  
Ranking: 7.2

**PRIORITIES & NEEDS**

1. Build latrine (Health)
2. Training; management and maintenance (Health Sanitation)

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**B. Kilignai** (1400029)   
 Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): 189  
Main ethnic group: Kado  
Other ethnic group: None  
Religion: Animism

ADP: 8-17 10-58 >34

43% 21% 10% 2%

56% 28% 40% 2%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- NTFP

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: **None**      Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**No droughts**

**3 per year**  
Infrastructure  
Less frequent

**No Landslides**

**DRY SEASON**  
Significant Increase  
Slight Decrease

**WET SEASON**  
Some decrease  
Slight Decrease

**IMPACTS:** Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact.  
Less food sources (-)

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 0.9  
Sensitivity: 4.2  
Ranking: 3.78

**PRIORITIES & NEEDS**

1. Build latrine (Health)
2. Construct bridge (under water)

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**B. Amal** (140030)  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): 205  
Main ethnic group: Kado  
Other ethnic group: None  
Religion: Animism

AGE: 0-17 18-59 >64  
44% 44% 12% 0%  
47% 40% 13% 0%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- NTFP

**Education:**  
- Primary

**Basic Services**

**+ HEALTH**

Water-borne: **None**      Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**No droughts**

**1 per year Infrastructure**  
Less frequent

**No Landslides**

**DRY SEASON**

Significant Increase

**WET SEASON**

Slight increase

**IMPACTS:**  
Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ More agricultural land (+)  
No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.5**  
Sensitivity: **4**  
Ranking: **6**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Build latrine (Sanitation)
3. Construct road

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**B. Achingulle** (140031)  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): 734  
Main ethnic group: Kado  
Other ethnic group: None  
Religion: Animism

AGE: 0-17 18-59 >64  
47% 40% 13% 0%  
53% 37% 10% 0%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Casual labor

**Education:**  
- Kindergarten  
- Primary

**Basic Services**

**+ HEALTH**

Water-borne: **Allergic Skin**      Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**1 every 10 years floods**  
Health  
Less severe

**1 every 10 years food**  
Less severe

**1 every 10 years Infrastructure**  
Less frequent

**No Landslides**

**DRY SEASON**

Significant Increase

**WET SEASON**

Some increase

**IMPACTS:**  
Health

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ Industrial develop (+)      Loss of biodiversity (-)  
+ More agricultural land (+)      Less food sources (-)

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.23**  
Sensitivity: **3.23**  
Ranking: **3.99**

**PRIORITIES & NEEDS**

1. Construct new water source
2. Build latrine (Sanitation)

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## B. Lavatal (140030) Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **255**  
 Main ethnic group: **Kado**  
 Other ethnic group: **None**  
 Religion: **Animism**



**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Coffee
- Vegetables
- Wood
- Stream
- Bless

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary incomplete
- Primary



**HEALTH**

Water-borne: **Alopecia, Diarrhea, Eye, Skin**  
 Vector-borne: **Dengue, Encephalitis, Malaria**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

- 1 every 10 years: Houses, livelihoods, Health (Not changing)
- 1 every 10 years: Food Crops (Not changing)
- More than 1 per year: Homes, Infrastructure, Income (Not changing)
- No Landslides

**DRY SEASON:** No change, Slight increase  
**WET SEASON:** No change, Slight increase

**IMPACTS:** Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No deforestation activity

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.6**  
 Sensitivity: **3.8**  
 Ranking: **2.28**

**PRIORITIES & NEEDS**

- Construct water facility (boothole)
- Build latrine (Health)
- Construct bridge (under water)

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## B. Lavaneua (140037) Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **140**  
 Main ethnic group: **Kado**  
 Other ethnic group: **None**  
 Religion: **Animism**



**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Coffee
- Vegetables
- Wood
- Stream

**Sources of Income:**

- Subsistence agriculture

**Education:**

- Kindergarten
- Primary



**HEALTH**

Water-borne: **Alopecia, Diarrhea, Eye, Skin**  
 Vector-borne: **Dengue, Encephalitis, Malaria**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

- 1 every 10 years: Houses, livelihoods, Health (Less severe)
- 1 every 10 years: Food Crops (Less severe)
- 1 every 10 years: Homes, Infrastructure, Income (Less frequent)
- No Landslides

**DRY SEASON:** Slight increase, No change  
**WET SEASON:** Significant increase, Some increase

**IMPACTS:** Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** + Industrial develop (+), + More agricultural land (+), Loss of biodiversity (-), Less food sources (-)

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.03**  
 Sensitivity: **2.97**  
 Ranking: **3.07**

**PRIORITIES & NEEDS**

- Increase agricultural production
- Training and awareness raising (Food source)

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**B. Lalor (1408041)**  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **151**  
Main ethnic group: **Bakoe**  
Other ethnic group: **Nome**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
52% 32% 17% 0%  
51% 40% 40% 2%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Coffee
- Vegetables
- River

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- Primary (incomplete)
- Primary

**Basic Services**

**+ HEALTH**

Water-borne: Allergies Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**No droughts**

**1 every 3-5 years  
Houses  
Income  
Rice fields  
Not changing**

**No Landslides**

**DRY SEASON**

**Slight Decrease**

**Some increase**

**WET SEASON**

**Some increase**

**Some increase**

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

- Deforestation impacts:** No deforestation activity
- Hydropower impacts:** No hydropower dam
- Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.8**  
Sensitivity: **3.43**  
Ranking: **2.75**

**PRIORITIES & NEEDS**

1. Construct water facility (storage/distribution)
2. Construct storage
3. Improve pipe distribution system

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**B. Lahang (1408044)**  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **576**  
Main ethnic group: **Kado**  
Other ethnic group: **Bakoe**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
41% 38% 19% 0%  
59% 41% 41% 12%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Coffee
- Vegetables
- River

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Casual labor

**Education:**

- Kindergarten
- Primary
- High school

**Basic Services**

**+ HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**1 every 10 years  
Houses  
livelihoods  
Not changing**

**1 per year  
Water  
Pool  
Crops  
Less severe**

**More than 1 per year  
Houses  
Income  
Not changing**

**No Landslides**

**DRY SEASON**

**Some increase**

**Slight Decrease**

**WET SEASON**

**No change**

**Slight increase**

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

- Deforestation impacts:** No deforestation activity
- Hydropower impacts:** No hydropower dam
- Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.1**  
Sensitivity: **2.33**  
Ranking: **2.57**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Increase agricultural production

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**B. Tangko (1400045)**  
 Samuoi District, Saravane

**DEMOGRAPHICS**  
 Population (2017): 703  
 Main ethnic group: Kado  
 Other ethnic group: Kanay  
 Religion: Animism

**Ecosystem & Services:**  
 - Rice  
 - Maize  
 - Livestock  
 - Coffee  
 - Vegetables  
 - Rubber  
 Sources of Income:  
 - Subsistence agriculture  
 - Livestock  
 - Casual labor  
 Education:  
 - Kindergarten  
 - Primary incomplete  
 - Primary

**Basic Services**

**ADP: 0-17 18-59 >59**  
 51% 25% 18% 4%  
 49% 27% 22% 4%

**HEALTH**  
 Water-borne:   
 - Aberrant  
 - Diarrhea  
 - Eye  
 - Skin  
 Vector-borne:   
 - Dengue  
 - Encephalitis  
 - Malaria

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years  

1 per year livelihoods  
More severe

More than 1 per year  
Food Crops  
More severe

More than 1 per year  
Income  
More frequent

No Landslides

**DRY SEASON**

Slight Decrease  
Some increase

**WET SEASON**

Slight Decrease  
Some increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**  

**Deforestation impacts**  
 No deforestation activity

**Hydropower impacts**  
 No hydropower dam

**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**  
 Hazard Intensity: 2.33  
 Sensitivity: 3.33  
 Ranking: 7.78

**PRIORITIES & NEEDS**  
 1. Training and awareness raising (Food source)
 

**B. Pina (1400046)**  
 Samuoi District, Saravane

**DEMOGRAPHICS**  
 Population (2017): 296  
 Main ethnic group: Bakoo  
 Other ethnic group: None  
 Religion: Animism

**Ecosystem & Services:**  
 - Rice  
 - Maize  
 - Sugar cane  
 - Coffee  
 - Vegetables  
 - Wood  
 - Rubber  
 Sources of Income:  
 - Subsistence agriculture  
 - Livestock  
 - Casual labor  
 Education:  
 - Primary

**Basic Services**

**ADP: 0-17 18-59 >59**  
 52% 25% 17% 15%  
 48% 27% 14% 10%

**HEALTH**  
 Water-borne:   
 - Diarrhea  
 - Eye  
 - Skin  
 Vector-borne:   
 - Dengue  
 - Encephalitis  
 - Malaria

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years  

1 every 10 years  
Houses  
livelihoods  
Health  
Less severe

2 every 10 years  
Food Crops  
Less severe

1 per year  
Income  
Not changing

Agriculture

**DRY SEASON**

Some increase  
Some decrease

**WET SEASON**

Some decrease  
Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**  

**Deforestation impacts**  
 No deforestation activity

**Hydropower impacts**  
 No hydropower dam

**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**  
 Hazard Intensity: 1.43  
 Sensitivity: 3.6  
 Ranking: 5.16

**PRIORITIES & NEEDS**  
 1. Increase agricultural production  
 2. Training and awareness raising (Food source)



**B. Acheungleng** (1408053)  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **208**  
Main ethnic group: **Kado**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
51% 22% 27% 7%  
44% 17% 23% 16%

**Ecosystem & Services:**

- Rice
- Livestock
- Sugar cane
- Vegetables
- Stream
- River

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Casual labor

**Education:**

- None

**Basic Services**

**HEALTH**

**Water-borne:** Allergies, Diarrhea, Eye, Skin

**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

↓ every 10 years  
**livelihoods**  
Health  
More severe

↓ every 10 years  
**Water**  
Flood  
Crops  
Not changing

More than 1 per year  
**Homes**  
Flooca  
More frequent

**DRY SEASON**

Slight Decrease  
Some increase

**WET SEASON**

Some increase  
Some increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No deforestation activity

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.4**  
Sensitivity: **3.7**  
Ranking: **5.18**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Health)

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**B. Atouk** (1408056)  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **362**  
Main ethnic group: **Bakoe**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
46% 23% 17% 14%  
55% 17% 18% 10%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Coffee
- Vegetables
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

**Water-borne:** Diarrhea, Eye, Skin

**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

↓ every 10 years  
**Houses**  
livelihoods  
Health  
Not changing

↓ every 10 years  
**Food**  
Crops  
Not changing

More than 1 per year  
**Homes**  
Income  
Not changing

**DRY SEASON**

Slight increase  
Slight increase

**WET SEASON**

Slight increase  
Slight increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No deforestation activity

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.93**  
Sensitivity: **3.43**  
Ranking: **3.2**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Improve pipe distribution system

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**B. Adengkoutab (149057)**  
 Samuoi District, Saravane

**DEMOGRAPHICS**  
 Population (2017): **308**  
 Main ethnic group: **Bakoo**  
 Other ethnic group: **None**  
 Religion: **Animism**

**Ecosystem & Services:**  
 - Rice  
 - Maize  
 - Livestock  
 - Coffee  
 - Vegetables  
 - River  
**Sources of Income:**  
 - Livestock  
 - Casual labor  
**Education:**  
 - Kindergarten  
 - Primary incomplete  
 - Primary

**Basic Services**

**ADP: 0-17 18-59 >59**  
 47% 25% 14% 9%  
 53% 27% 16% 6%

**HEALTH**  
 Water-borne: **A**  
 Allergies **B**  
 Diarrhea **B**  
 Eye **B**  
 Skin **B**  
 Vector-borne: **D**  
 Dengue **B**  
 Encephalitis **B**  
 Malaria **B**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years  

**DRY SEASON**  
 Some increase  
 Some increase

**WET SEASON**  
 Some increase  
 Some increase

IMPACTS: Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**  

**Deforestation impacts**  
 No deforestation activity

**Hydropower impacts**  
 No hydropower dam

**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**  
 Hazard Intensity: **1.2**  
 Sensitivity: **3.07**  
 Ranking: **3.68**

**PRIORITIES & NEEDS**  
 1. Build latrine (Health)  
 2. Village drug kit

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**B. Avay (140050)**  
 Samuoi District, Saravane

**DEMOGRAPHICS**  
 Population (2017): **297**  
 Main ethnic group: **Bakoo**  
 Other ethnic group: **None**  
 Religion: **Animism**

**Ecosystem & Services:**  
 - Rice  
 - Maize  
 - Livestock  
 - Sugar cane  
 - Vegetables  
 - Wood  
 - River  
**Sources of Income:**  
 - Agriculture  
 - Subsistence agriculture  
 - Livestock  
**Education:**  
 - Primary

**Basic Services**

**ADP: 0-17 18-59 >59**  
 54% 14% 17% 9%  
 46% 27% 21% 2%

**HEALTH**  
 Water-borne: **A**  
 Allergies **B**  
 Diarrhea **B**  
 Eye **B**  
 Skin **B**  
 Scab typhus **B**  
 Vector-borne: **D**  
 Dengue **B**  
 Encephalitis **B**  
 Malaria **B**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years  

**DRY SEASON**  
 Some increase  
 Slight Decrease

**WET SEASON**  
 Some increase  
 Slight Decrease

IMPACTS: Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**  

**Deforestation impacts**  
 No deforestation activity

**Hydropower impacts**  
 No hydropower dam

**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**  
 Hazard Intensity: **1.4**  
 Sensitivity: **4**  
 Ranking: **5.6**

**PRIORITIES & NEEDS**  
 1. Construct pipe distribution system  
 2. Improve pipe distribution system  
 3. Construct road

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**B. Kaleng** (1400661)  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **312**  
Main ethnic group: **Bakoe**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
48% 22% 22% 9%  
52% 40% 23% 2%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Coffee
- Grass
- Vegetables
- Wood
- Beehive

**Sources of Income:**

- Agriculture
- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
---	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 10 years  
Houses  
livelihoods  
Not changing

2 every 10 years  
Food  
Crops  
Not changing

More than 1 per year  
Homes  
Income  
Not changing

**DRY SEASON**

Some increase

**WET SEASON**

Slight increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

- Deforestation impacts:** No deforestation activity
- Hydropower impacts:** No hydropower dam
- Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.4**  
Sensitivity: **2.83**  
Ranking: **6.8**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Build latrine (Health)
3. Increase agricultural production

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**B. Kaboeui** (1400664)  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **178**  
Main ethnic group: **Bakoe**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >64  
50% 26% 11% 2%  
49% 27% 16% 2%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Coffee
- Vegetables
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
---	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

More than 1 per year  
Homes  
Infrastructure  
Life  
Income  
More frequent

**DRY SEASON**

Significant Increase

**WET SEASON**

Significant Increase

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

- Deforestation impacts:** No deforestation activity
- Hydropower impacts:** No hydropower dam
- Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.4**  
Sensitivity: **3.43**  
Ranking: **4.81**

**PRIORITIES & NEEDS**

1. Build latrine (Health)

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**B. Axingneua (1400067)**  
Samuoi District, Saravane

**DEMOGRAPHICS**

Population (2017): **215**  
Main ethnic group: **Baktoe**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 10-59 >59  
52% 25% 23%  
48% 27% 25%

Head network: Road, Trail  
Communication Network: Public Electricity on Grid, Public Phone register  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Coffee
- Vegetables
- Wood
- Stream

Sources of Income:

- Subsistence agriculture
- Livestock
- Casual labor

Education:

- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Aberrant, Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 every 10 years Houses Not changing
- 2 every 10 years Water Pool Not changing
- More than 1 per year Homes Income Crops Not changing
- No Landslides

**DRY SEASON** No changes / Slight increase  
**WET SEASON** No change / Slight increase

IMPACTS: Health

**ENVIRONMENTAL ISSUES**

- Deforestation impacts:** No deforestation activity
- Hydropower impacts:** No hydropower dam
- Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 0.6  
Sensitivity: 3.7  
Ranking: 2.22

**PRIORITIES & NEEDS**

1. Construct water facility (gravity fed)
2. Construct road

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**B. Kaengkhouy (1502002)**  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **1344**  
Main ethnic group: **Ngkriang (Ngá)**  
Other ethnic group: **Katu, Cha Tong**  
Religion: **Animism**

AGE: 0-17 10-59 >59  
73% 14% 13%  
50% 27% 23%

Head network: Road, Trail  
Communication Network: Public Electricity on Grid, Public Phone register  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Stream

Sources of Income:

- Subsistence agriculture
- Livestock
- Trade
- Casual labor

Education:

- None

**Basic Services**

**HEALTH**

Water-borne: Aberrant, Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 every 10 years Houses, Livelihoods, Health Less severe
- 2 every 10 years Water Pool, Crops Less severe
- More than 1 per year Homes, Infrastructure, Income More frequent
- Water supply, People injured

**DRY SEASON** Significant Increase / Slight Decrease  
**WET SEASON** Slight increase / Slight Decrease

IMPACTS: Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

- Deforestation impacts:** + Industrial develop (+), + More agricultural land (+), - More flooding (-), - Loss of biodiversity (-), - Landslides, - Erosion (-), - Less food sources (-)
- Hydropower impacts:** No hydropower dam
- Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 1.57  
Sensitivity: 2.67  
Ranking: 4.18

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Vaccinate animals/livestock

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**B. Thongkai (1502003)**  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **1879**

Main ethnic group: **Ngkriang (Ngé)**

Other ethnic group: **Katu, Oy**

Religion: **Animiam**

**Ecosystem & Services:**

- Stream
- Water spring

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock

**Education:**

- Kindergarten
- Primary incomplete
- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

↑ every 10 years  
Houses  
Livelihoods  
Health  
Less severe

↓ every 10 years  
Water  
Food  
Crops  
More severe

More than 1 per year  
Homes  
Infrastructure  
Livelihoods  
Income  
More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Slight increase

Slight Decrease      Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ Industrial develop (+)	Erison (-)
+ More agricultural land (+)	Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.57**

Sensitivity: **2.67**

Ranking: **4.18**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Construct water facility (gravity fed)
3. Improve water quality

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**B. Parkxai (1502004)**  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **269**

Main ethnic group: **Katu**

Other ethnic group: **Oy, Ngkriang (Ngé)**

Religion: **Animiam**

**Ecosystem & Services:**

- None

**Sources of Income:**

- Subsistence agriculture

**Education:**

- None

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
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**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

↑ every 3-5 years  
Houses  
Livelihoods  
Health  
Less severe

↓ every 3-5 years  
Water  
Food  
Crops  
More severe

More than 1 per year  
Homes  
Infrastructure  
Livelihoods  
Income  
More frequent

**DRY SEASON**      **WET SEASON**

Slight increase      No change

Slight Decrease      Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ Industrial develop (+)	Less food sources (-)
+ More agricultural land (+)	

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.2**

Sensitivity: **4.07**

Ranking: **4.88**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Vaccinate animals/livestock

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**B. Klung (1502005)**  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017):  
**210**

Main ethnic group:  
**Oy**

Other ethnic group:  
**Ngkriang (Ngá'), Lao**

Religion:  
**Animism**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Casual labor

**Education:**  
- Primary incomplete



**HEALTH**

Water-borne: **A** Bacteria, Diarrhea, Eye, Skin

Vector-borne: **B** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 every 10 years: Houses, Livelihoods, Health (Less severe)
- 2 every 10 years: Food (Less severe)
- 1 every 10 years: Homes, Infrastructure, Income (Less frequent)

**DRY SEASON:** Significant Increase, Slight Decrease

**WET SEASON:** Some increase, Significant Increase

**IMPACTS:** Health / Livestock

**No Landslides**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:**  
+ More agricultural land (+)  
- Loss of biodiversity (-)  
- Landslides (-)  
- Erosion (-)  
- Less food sources (-)

**Hydropower impacts:**  
No hydropower dam

**Mining impacts:**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.63**

Sensitivity: **3.2**

Ranking: **5.23**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Vaccinate animals/livestock

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**B. Bark (1502006)**  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017):  
**209**

Main ethnic group:  
**Ngkriang (Ngá')**

Other ethnic group:  
**Oy**

Religion:  
**Animism**

AGE: 0-17 18-59 >60  
53% 0% 10% 0%  
47% 0% 0% 0%



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Subsistence agriculture

**Education:**  
- Primary



**HEALTH**

Water-borne: **A** Bacteria, Diarrhea, Eye, Skin

Vector-borne: **B** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 every 10 years: Houses, Livelihoods, Health (Less severe)
- 2 every 10 years: Water, Food, Crops (More severe)
- More than 1 per year: Homes, Infrastructure, Income (More frequent)

**DRY SEASON:** Slight increase, Slight increase

**WET SEASON:** Slight increase, Slight increase

**IMPACTS:** Health / Water / Agriculture / Livestock

**People injured**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:**  
+ Industrial develop (+)  
+ More agricultural land (+)  
- Loss of biodiversity (-)  
- Landslides (-)  
- Erosion (-)  
- Less food sources (-)

**Hydropower impacts:**  
No hydropower dam

**Mining impacts:**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.07**

Sensitivity: **3.7**

Ranking: **3.95**

**PRIORITIES & NEEDS**

1. Construct water facility (gravity fed)
2. Build latrine (Sanitation)

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**B. Ploy+Talangmai (1502007)**  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **300**

Main ethnic group: **Ngkriang (Ngé)**

Other ethnic group: **None**

Religion: **Animism**

**Ecosystem & Services:**

- Stream

**Sources of Income:**

- Subsistence agriculture

**Education:**

- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

± every 10 years  
**Houses**  
Livelihoods  
Health  
Less severe

± every 3-5 years  
**Water**  
Food  
Crops  
More severe

More than 1 per year  
**Homes**  
Infrastructure  
Income  
Less frequent

**DRY SEASON**      **WET SEASON**

**Slight increase**      **Slight increase**

**Slight decrease**      **Slight decrease**

**IMPAIRMENTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.33**

Sensitivity: **3.9**

Ranking: **5.2**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)
3. Training: management and maintenance (Sanitation)

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**B. Kador (1502008)**  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **155**

Main ethnic group: **Katu**

Other ethnic group: **Ngkriang (Ngé), Oy**

Religion: **Animism**

**Ecosystem & Services:**

- Grass
- Stream
- River
- Water spring

**Sources of Income:**

- Casual labor

**Education:**

- None

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

± every 10 years  
**Houses**  
Livelihoods  
Health  
Less severe

± every 10 years  
**Water**  
Food  
More severe

± every 10 years  
**Homes**  
Infrastructure  
Income  
Less frequent

**DRY SEASON**      **WET SEASON**

**Some increase**      **Some increase**

**Some increase**      **Significant increase**

**IMPAIRMENTS:**  
Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- No negative impact

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.87**

Sensitivity: **4.2**

Ranking: **12.04**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Construct water facility (gravity fed)
3. Build latrine (Sanitation)

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### B. Hanong neua (1502013) Kaleum District, Sekong

#### DEMOGRAPHICS

Population (2017): 235

Main ethnic group: Ngkriang (Ng<sup>+</sup>)

Other ethnic group: Katu, Lao

Religion: Animism

#### Ecosystem & Services:

- Grass
- Stream
- Water spring

#### Sources of Income:

- Livestock
- Casual labor

#### Education:

- Primary

#### Basic Services

#### HEALTH

Water-borne: - Aberrant - Diarrhea - Eye - Skin	Vector-borne: - Dengue - Encephalitis - Malaria - Scrub typhus
---	--

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years:

No floods

No droughts

1 every 10 years  
Houses  
Infrastructure  
Income  
Less frequent

No Landslides

**DRY SEASON**

No change

Slight Decrease

**WET SEASON**

No change

Significant Increase

IMPACTS: Health / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

No positive impact

- Loss of biodiversity (-)
- Less food sources (-)

##### Hydropower impacts

No hydropower dam

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: 0.6

Sensitivity: 3.43

Ranking: 2.06

#### PRIORITIES & NEEDS

1. Build latrine (Sanitation)
2. Vaccinate animals/livestock

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### B. Ching (1502015) Kaleum District, Sekong

#### DEMOGRAPHICS

Population (2017): 257

Main ethnic group: Ngkriang (Ng<sup>+</sup>)

Other ethnic group: None

Religion: Animism

#### Ecosystem & Services:

- Stream
- Water spring

#### Sources of Income:

- Subsistence agriculture

#### Education:

- Primary incomplete

#### Basic Services

#### HEALTH

Water-borne: - Aberrant - Diarrhea - Eye - Skin	Vector-borne: - Dengue - Encephalitis - Malaria
---	--

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years:

1 every 10 years  
Houses  
Livelihoods  
Health  
Less severe

2 every 10 years  
Water  
Food  
Crops  
Less severe

More than 1 per year  
Houses  
Infrastructure  
Income  
More frequent

People injured

**DRY SEASON**

Some increase

Slight Decrease

**WET SEASON**

Slight Decrease

Slight Decrease

IMPACTS: Health / Water / Agriculture / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

+ Industrial develop (+)

+ More agricultural land (+)

- More flooding (-)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

##### Hydropower impacts

No hydropower dam

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: 0.93

Sensitivity: 3.6

Ranking: 3.36

#### PRIORITIES & NEEDS

1. Repair water facility (gravity fed)

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**B. Songkhone** (1502018)  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **512**

Main ethnic group: **Ngkriang (Ngá)**

Other ethnic group: **Katu, Hriak (Alak)**

Religion: **Animiam**

**Ecosystem & Services:**

- Stream
- Water spring

**Sources of Income:**

- Subsistence agriculture
- Livestock

**Education:**

- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis
--	---

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

<b>NO FLOODS</b>	<b>NO DROUGHTS</b>	<b>NO LANDSLIDES</b>

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.93**

Sensitivity: **3.57**

Ranking: **3.33**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Training; management and maintenance (Sanitation)
3. Training and awareness raising (Food source)

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**B. Chalork** (1502017)  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **313**

Main ethnic group: **Ngkriang (Ngá)**

Other ethnic group: **Katu**

Religion: **Animiam**

**Ecosystem & Services:**

- Livestock
- Stream
- Water spring

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria Scrub typhus
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

<b>NO FLOODS</b>	<b>NO DROUGHTS</b>	<b>NO LANDSLIDES</b>

**IMPACTS:** Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Landslides
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.2**

Sensitivity: **2.93**

Ranking: **3.52**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Construct water facility (gravity fed)
3. Build latrine (Sanitation)

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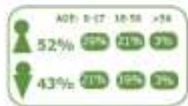




## B. Looul (1502018) Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): 490  
 Main ethnic group: Katu  
 Other ethnic group: Ngkriang (Ngô)  
 Religion: Animism



**Ecosystem & Services:**  
 - Stream  
 - Water spring

**Sources of Income:**  
 - Subsistence agriculture

**Education:**  
 - Primary



**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
 Vector-borne: Dengue, Encephalitis, Malaria



**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
 + Industrial develop (+)  
 + More agricultural land (+)  
 Loss of biodiversity (-)  
 Less food sources (-)

**Hydropower impacts**  
 No hydropower dam

**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 0.6  
 Sensitivity: 3.6  
 Ranking: 2.16

- PRIORITIES & NEEDS**
1. Build latrine (Sanitation)
  2. Build latrine (Sanitation)
  3. Training and awareness raising (Food source)

## B. Chale (1502020) Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): 467  
 Main ethnic group: Ngkriang (Ngô)  
 Other ethnic group: Katu, Lao  
 Religion: Buddhism, Animism



**Ecosystem & Services:**  
 - None

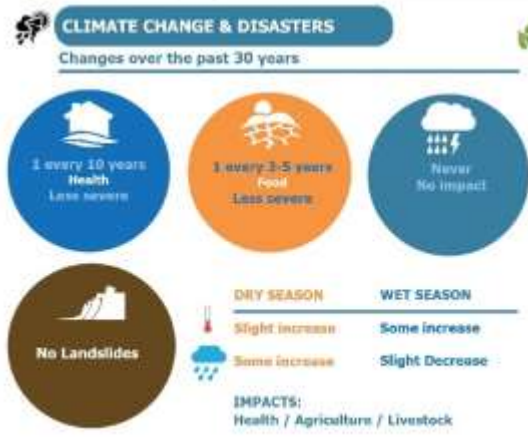
**Sources of Income:**  
 - Livestock  
 - Casual labor

**Education:**  
 - Primary  
 - High school



**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
 Vector-borne: Dengue, Encephalitis



**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
 No deforestation activity

**Hydropower impacts**  
 No hydropower dam

**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 1.2  
 Sensitivity: 3.1  
 Ranking: 3.72

- PRIORITIES & NEEDS**
1. Build latrine (Sanitation)
  2. Vaccinate animals/livestock



### B. Teenteum (1902021) Kaleum District, Sekong

#### DEMOGRAPHICS

Population (2017): **185**  
Main ethnic group: **Ngkriang (Ng<sup>6</sup>)**  
Other ethnic group: **Katu, Lao**  
Religion: **Animism**

Age: 0-17 18-59 >64  
 48% 19% 32% 1%  
 52% 47% 41% 8%

Legend: Road network, Communication Network, Basic facilities, Water facilities

#### Ecosystem & Services:

- None

#### Sources of Income:

- Subsistence agriculture

#### Education:

- Primary incomplete

#### Basic Services

#### HEALTH

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

1 every 3-5 years  
**Health**  
Less severe

1 every 3-5 years  
**Water**  
Food  
Crops  
Less severe

More than 1 per year  
**Infrastructure**  
**Income**  
More frequent

**People injured**

<b>DRY SEASON</b>	<b>WET SEASON</b>
Slight increase	No change
Slight increase	Slight increase

**IMPACTS:**  
Health / Water / Agriculture / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Landslides (-)
- Less food sources (-)

##### Hydropower impacts

No hydropower dam

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: **0.67**  
Sensitivity: **2.87**  
Ranking: **1.91**

#### PRIORITIES & NEEDS

1. Repair water facility (gravity fed)

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### B. Tangpa (1502025) Kaleum District, Sekong

#### DEMOGRAPHICS

Population (2017): **208**  
Main ethnic group: **Katu**  
Other ethnic group: **None**  
Religion: **Animism**

Age: 0-17 18-59 >64  
 71% 27% 02% 0%  
 50% 50% 42% 2%

Legend: Road network, Communication Network, Basic facilities, Water facilities

#### Ecosystem & Services:

- None

#### Sources of Income:

- Subsistence agriculture

#### Education:

- None

#### Basic Services

#### HEALTH

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

**No floods**

**No droughts**

More than 1 per year  
**Infrastructure**  
**Income**  
More frequent

**People injured**

<b>DRY SEASON</b>	<b>WET SEASON</b>
Slight increase	No change
Slight Decrease	Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

- + Industrial develop (+)
- + More agricultural land (+)
- Landslides (-)
- Erosion (-)
- Less food sources (-)

##### Hydropower impacts

No hydropower dam

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: **0.6**  
Sensitivity: **3.07**  
Ranking: **1.84**

#### PRIORITIES & NEEDS

1. Construct water facility (gravity fed)
2. Build latrine (Sanitation)

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## B. Tangpang (1502026) Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017):  
**266**

Main ethnic group:  
**Chatong**

Other ethnic group:  
**Lao, Ngriang (Ngè')**

Religion:  
**Animism**



**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Grains
- Sugar cane
- Vegetables
- Stream

**Sources of Income:**

- Casual labor

**Education:**

- Primary incomplete

**Basic Services**

**HEALTH**

**Water-borne:** A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

**Vector-borne:** A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

**No floods** (Blue circle)

**No droughts** (Orange circle)

**Never No impact** (Blue circle)

**No Landslides** (Brown circle)

**DRY SEASON**

- No change
- Slight Decrease

**WET SEASON**

- Slight increase
- Significant Increase

**IMPACTS:** Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- No positive impact
- Less food sources (-)

**Hydropower impacts**

- No hydropower dam

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.8**

Sensitivity: **3.4**

Ranking: **2.72**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Vaccinate animals/livestock

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## B. Ahang-kandone (1502029) Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017):  
**565**

Main ethnic group:  
**Katu**

Other ethnic group:  
**None**

Religion:  
**Animism**

Age: 0-17 18-59 >60

47% 17% 27% 9%

51% 18% 24% 7%



**Ecosystem & Services:**

- None

**Sources of Income:**

- Subsistence agriculture

**Education:**

- Primary incomplete

**Basic Services**

**HEALTH**

**Water-borne:** A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

**Vector-borne:** A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

**1 every 10 years livelihoods Health Less severe** (Blue circle)

**2 every 10 years Water Food Crops More severe** (Orange circle)

**More than 1 per year Human Infrastructure Life Income More frequent** (Blue circle)

**People injured** (Brown circle)

**DRY SEASON**

- Slight increase
- Slight Decrease

**WET SEASON**

- Slight Decrease
- Slight Decrease

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- More flooding (-)
- Landslides
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

- No hydropower dam

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.07**

Sensitivity: **3.37**

Ranking: **3.59**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Construct water facility (gravity fed)
3. Build latrine (Sanitation)

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**B. Kandone (1502032)**  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **161**

Main ethnic group: **Katu**

Other ethnic group: **None**

Religion: **Animism**

**Ecosystem & Services:**

- None

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- None

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

Never  
No impact

**DRY SEASON**

Significant Increase

No change

**WET SEASON**

Some increase

Some increase

**IMPACTS:**  
Livestock

**ENVIRONMENTAL ISSUES**

- Deforestation impacts:** No deforestation activity
- Hydropower impacts:** No hydropower dam
- Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.1**

Sensitivity: **4.33**

Ranking: **4.77**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Vaccinate animals/livestock

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**B. Tamor (1807033)**  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **236**

Main ethnic group: **Katu**

Other ethnic group: **None**

Religion: **Animism**

**Ecosystem & Services:**

- Maize
- Livestock
- Sugar cane
- Stream
- Water spring

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

1 every 3-5 years  
Home Income  
More frequent

**DRY SEASON**

Some increase

No change

**WET SEASON**

Significant Increase

Significant Increase

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

- Deforestation impacts:** No positive impact. Loss of biodiversity (-), Erosion (-), Less food sources (-)
- Hydropower impacts:** No hydropower dam
- Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.3**

Sensitivity: **3.93**

Ranking: **5.11**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Vaccinate animals/livestock
3. Training: management and maintenance (Sanitation)

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**B. Taneung+Vang** (1502035)  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **371**

Main ethnic group: **Katu**

Other ethnic group: **None**

Religion: **Animism**



**Ecosystem & Services:**

- Maize
- Livestock
- Sugar cane
- Water spring

**Sources of Income:**

- Livestock

**Education:**

- Primary
- High school



**HEALTH**

**Water-borne:** Allergies, Diarrhea, Eye, Skin

**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- No floods**
- No droughts**
- Never No impact**
- No Landslides**

**DRY SEASON:** Slight increase, No change

**WET SEASON:** Slight increase, Slight increase

**IMPACTS:** Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact. Loss of biodiversity (-), Landslides, Erosion (-), Less food sources (-)

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.5**

Sensitivity: **3.1**

Ranking: **1.55**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Construct water facility (gravity fed)
3. Diversify livelihoods

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**B. Lalpor** (1502037)  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **165**

Main ethnic group: **Katu**

Other ethnic group: **Ngkriang (Ng'e')**

Religion: **Animism**



**Ecosystem & Services:**

- Stream

**Sources of Income:**

- Casual labor

**Education:**

- Primary incomplete



**HEALTH**

**Water-borne:** None

**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- No floods**
- No droughts**
- 1 every 3-5 years Homes Income More frequent**
- No Landslides**

**DRY SEASON:** Slight Decrease, No change

**WET SEASON:** Slight increase, Slight Decrease

**IMPACTS:** Health / Agriculture

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact. Loss of biodiversity (-), Less food sources (-)

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.4**

Sensitivity: **4.4**

Ranking: **1.76**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Vaccinate animals/livestock
3. Training and awareness raising (Food source)

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**B. Pom** (1502038)  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **181**

Main ethnic group: **Katu**

Other ethnic group: **None**

Religion: **Animism**

**Legend:**

- Road network: Road, Trail
- Communication Network: Public Electricity on Grid, Public Water receptor
- Basic facilities: Health Centre, Primary School, Shelter facilities
- Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Grass
- Water spring

**Sources of Income:**

- Casual labor

**Education:**

- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 10 years  
**livelihoods**  
Health  
Less severe

2 every 10 years  
**Water**  
Food  
Crop  
Less severe

1 every 10 years  
**Infrastructure**  
Income  
Less frequent

**No Landslides**

**DRY SEASON**

Some increase

Slight Decrease

**WET SEASON**

Some increase

Significant decrease

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.63**

Sensitivity: **3.03**

Ranking: **6.42**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)

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**B. Talui** (1502043)  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **170**

Main ethnic group: **Katu**

Other ethnic group: **None**

Religion: **Animism**

**Legend:**

- Road network: Road, Trail
- Communication Network: Public Electricity on Grid, Public Water receptor
- Basic facilities: Health Centre, Primary School, Shelter facilities
- Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Grass
- Stream
- Water spring

**Sources of Income:**

- Casual labor

**Education:**

- None

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria Scrub typhus
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**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**No droughts**

Narrow  
**No impact**

**No Landslides**

**DRY SEASON**

Significant Increase

Slight Decrease

**WET SEASON**

Slight Decrease

Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Charcoal production (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.9**

Sensitivity: **3.5**

Ranking: **3.15**

**PRIORITIES & NEEDS**

1. Construct water facility (gravity fed)
2. Improve water quality
3. Build latrine (Sanitation)

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**B. Po+Lam+Sa ang (1502045)**  
 Kaleum District, Sekong

**DEMOGRAPHICS**  
 Population (2017): **352**  
 Main ethnic group: **Oy**  
 Other ethnic group: **Katu, Ngkriang (Ngé)**  
 Religion: **Animism**

**Ecosystem & Services:**  
 - None  
**Sources of Income:**  
 - Subsistence agriculture  
**Education:**  
 - Primary

**Basic Services**

**HEALTH**  
 Water-borne: **Allegria, Diarrhea, Eye, Skin**  
 Vector-borne: **Dengue, Encephalitis**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

**ENVIRONMENTAL ISSUES**

**VULNERABILITY INDEX**

More than 1 per year **Houses**  
 Livelihoods: **Health**  
 Less severe

1 every 3-5 years **Water**  
 Food Crops: **Not changing**

More than 1 per year **Houses**  
 Infrastructure: **Income**  
 More frequent

DRY SEASON  
 Significant Increase  
 Slight Decrease

WET SEASON  
 Slight increase  
 Slight increase

**Deforestation impacts**  
 + Industrial develop (+)  
 + More agricultural land (+)  
 More flooding (-)  
 Loss of biodiversity (-)  
 Landslides  
 Erosion (-)  
 Less food sources (-)

**Hydropower impacts**  
 No hydropower dam

**Mining impacts**  
 No mining activity

**PRIORITIES & NEEDS**  
 1. Construct water facility (gravity fed)  
 2. Build latrine (Sanitation)  
 3. Vaccinate animals/livestock

Hazard Intensity: **1.53**  
 Sensitivity: **4**  
 Ranking: **6.13**

**IMPACTS:**  
 Health / Water / Agriculture / Livestock

House Infrastructure  
 People Injured

House Infrastructure  
 People Injured

**IMPACTS:**  
 Health / Water / Agriculture / Livestock

House Infrastructure  
 People Injured

**IMPACTS:**  
 Health / Water / Agriculture / Livestock

House Infrastructure  
 People Injured

**IMPACTS:**  
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House Infrastructure  
 People Injured

**IMPACTS:**  
 Health / Water / Agriculture / Livestock

House Infrastructure  
 People Injured



**B. Ling (1502071)**  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **350**

Main ethnic group: **Cha Tong**

Other ethnic group: **Ngkriang (Nge'), Kato**

Religion: **Animism**

**Ecosystem & Services:**

- None

**Sources of Income:**

- Subsistence agriculture

**Education:**

- Primary

**Basic Services**

Age: 0-17 18-54 >54

49% 14% 37% 10%

51% 10% 24% 15%

**ROAD NETWORK**

- Public Electricity on Grid
- Public Water supply
- Health Centre
- Primary School
- Shelter facilities

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin

Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

1 every 3-5 years

**livelihoods**

Health

Less severe

1 every 3-5 years

**Water**

Flood

Crop

Less severe

More than 1 per year

**Home**

Infrastructure

Life

Income

More frequent

**DRY SEASON**

Slight increase

Slight Decrease

**WET SEASON**

No change

Slight Decrease

**IMPACTS:**

Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Landslides
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.87**

Sensitivity: **2.6**

Ranking: **4.85**

**PRIORITIES & NEEDS**

1. Construct water facility (gravity fed)
2. Build latrine (Sanitation)

**B. Tangkard (1502072)**  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): **247**

Main ethnic group: **Chatong**

Other ethnic group: **Ngkriang (Nge'), Alak**

Religion: **Animism**

**Ecosystem & Services:**

- Maize
- Livestock
- Sugar cane
- Grass
- Stream
- Water spring

**Sources of Income:**

- Casual labor

**Education:**

- Primary

**Basic Services**

Age: 0-17 18-54 >54

49% 14% 37% 10%

51% 10% 24% 15%

**ROAD NETWORK**

- Public Electricity on Grid
- Public Water supply
- Health Centre
- Primary School
- Shelter facilities

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin

Vector-borne: Dengue, Encephalitis, Malaria, Scrub typhus

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

No floods

No droughts

1 every 10 years

**Home**

Infrastructure

Income

More frequent

**DRY SEASON**

Significant Increase

Slight Decrease

**WET SEASON**

Some increase

Some increase

**IMPACTS:**

Health / Water / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.3**

Sensitivity: **3.13**

Ranking: **4.07**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Vaccinate animals/livestock



**B. Yeub+Chanoi** (1502075)  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): 405

Main ethnic group: Katu

Other ethnic group: Ngkriang (Ngá')

Religion: Animism

**Ecosystem & Services:**

- None

**Sources of Income:**

- Casual labor

**Education:**

- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin

Vector-borne: Dengue, Encephalitis

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

No floods

No droughts

1 every 10 years  
Houses  
Infrastructure  
Income  
Less frequent

No Landslides

**DRY SEASON**

Significant Increase

Slight Decrease

**WET SEASON**

No change

Some decrease

**IMPACTS:** Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- No positive impact
- Loss of biodiversity (-)
- Landslides
- Less food sources (-)

**Hydropower impacts**

- No hydropower dam

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 1.1

Sensitivity: 4.13

Ranking: 4.55

**PRIORITIES & NEEDS**

1. Construct water facility (gravity fed)
2. Build latrine (Sanitation)
3. Vaccinate animals/livestock

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**B. Chakeuphou** (1502082)  
Kaleum District, Sekong

**DEMOGRAPHICS**

Population (2017): 364

Main ethnic group: Ngkriang (Ngá')

Other ethnic group: Oy, Katu

Religion: Animism

**Ecosystem & Services:**

- Livestock
- Grass

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin

Vector-borne: Dengue, Encephalitis, Malaria, Scrub typhus

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

1 every 10 years  
Houses  
Livelihoods  
Health  
More severe

1 every 3-5 years  
Water  
Food  
Crops  
More severe

1 every 3-5 years  
Houses  
Infrastructure  
Income  
Beats and livestock  
More frequent

No Landslides

**DRY SEASON**

Significant Increase

Significant decrease

**WET SEASON**

Some increase

Significant Increase

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

- No hydropower dam

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 3

Sensitivity: 2.8

Ranking: 8.4

**PRIORITIES & NEEDS**

1. Construct water facility (gravity fed)
2. Build latrine (Sanitation)
3. Vaccinate animals/livestock

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**B. Brong gnai (1503001)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **355**  
Main ethnic group: **Ye (Jeh)**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
48% 27% 17% 8%  
52% 30% 15% 3%

**Ecosystem & Services:**

- Rice
- Livestock
- Sugar cane
- Vegetables
- Wood
- Stream

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

More than 1 per year  
**livelihoods**  
Health  
Less severe

More than 1 per year  
**Food**  
Crops  
Less severe

More than 1 per year  
**Homes**  
Infrastructure  
Income  
Not changing

**DRY SEASON**

Some increase

**WET SEASON**

Some increase

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Charcoal production (+)
- Loss of biodiversity (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.93**

Sensitivity: **4**

Ranking: **11.73**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)
3. Improve road

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**B. Brong noy (1503002)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **309**  
Main ethnic group: **Ye (Jeh)**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
50% 25% 17% 8%  
50% 29% 17% 4%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Vegetables
- Wood
- Water spring

**Sources of Income:**

- Casual labor

**Education:**

- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Eye Skin	Vector-borne: Dengue Encephalitis Malaria
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**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 per year  
**livelihoods**  
Health  
Less severe

More than 1 per year  
**Food**  
Crops  
More severe

More than 1 per year  
**Infrastructure**  
More frequent

**DRY SEASON**

No change

**WET SEASON**

No change

**IMPACTS:**  
Health / Agriculture

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Landslides (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.6**

Sensitivity: **4.07**

Ranking: **10.57**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)
3. Improve road

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## B. Dark pa ner (1503003) Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **237**  
 Main ethnic group: **Ye (Jeh)**  
 Other ethnic group: **None**  
 Religion: **Animism**



**Ecosystem & Services:**

- Rice
- Livestock
- Wood
- River

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- Primary incomplete



**HEALTH**

Water-borne: **None**  
 Allergies, Diarrhea, Eye, Skin

Vector-borne: **None**  
 Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- More than 1 per year **livelihoods health** (Less severe)
- More than 1 per year **Water - Food Crops** (Not changing)
- More than 1 per year **Homes Infrastructure Income** (Not changing)
- No Landslides**

**DRY SEASON**      **WET SEASON**

Some increase      Some increase  
 Some increase      Some increase

**IMPACTS:**  
 Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **3**  
 Sensitivity: **3.8**  
 Ranking: **11.4**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)
3. Improve road

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## B. Darkmeu (1503007) Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **369**  
 Main ethnic group: **Ye (Jeh)**  
 Other ethnic group: **None**  
 Religion: **Animism**



**Ecosystem & Services:**

- Livestock
- Sugar cane
- Coffee
- Grass
- Vegetables
- Stream
- River
- Water spring

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary incomplete
- Primary



**HEALTH**

Water-borne: **None**  
 Allergies, Diarrhea, Eye, Skin

Vector-borne: **None**  
 Dengue, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- No floods**
- No droughts**
- More than 1 per year **Life Income** (Not changing)
- No Landslides**

**DRY SEASON**      **WET SEASON**

Some increase      Some increase  
 Some decrease      Significant decrease

**IMPACTS:**  
 Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- No positive impact
- More flooding (-)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.7**  
 Sensitivity: **2.8**  
 Ranking: **4.76**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)

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**B. Dark treb (1503017)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **683**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
50% 21% 21% 0%  
50% 21% 20% 20%

**Ecosystem & Services:**

- Rice
- Livestock
- Coffee
- Vegetables

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

More than 1 per year  
**Health**  
Not changing

More than 1 per year  
**Water**  
Pool  
Crop  
Not changing

More than 1 per year  
**Homes**  
Infrastructure  
Income  
More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant Increase  
Slight Decrease      Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.33**  
Sensitivity: **3.4**  
Ranking: **7.93**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)
3. Increase agricultural production (Irrigation)

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**B. Dark yoi (1503020)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **362**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
51% 27% 22% 0%  
49% 27% 20% 2%

**Ecosystem & Services:**

- Rice
- Livestock
- Coffee
- Vegetables

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
---	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

More than 1 per year  
**Water**  
Pool  
Crop  
Less severe

More than 1 per year  
**Infrastructure**  
Income  
More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant Increase  
Significant Increase      Significant Increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.2**  
Sensitivity: **3.53**  
Ranking: **7.77**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Build latrine (Sanitation)
3. Training, management and maintenance (Sanitation)

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### B. Lienglouang (1503021) Dakcheung District, Sekong

#### DEMOGRAPHICS

Population (2017): **512**  
Main ethnic group: **Tarxiang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-59 >60  
48% 25% 27% 2%  
52% 58% 41% 4%



#### Ecosystem & Services:

- Livestock
- Tea
- Coffee

#### Sources of Income:

- Livestock
- Trade
- Casual labor

#### Education:

- Primary
- High school

#### Basic Services



#### HEALTH

Water-borne: - Allergies - Diarrhea - Eye - Skin	Vector-borne: - Dengue - Encephalitis - Malaria
--	--

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years



More than 1 per year  
**No impact**  
Not changing



**No droughts**



More than 1 per year  
**Home Income**  
Not changing



**No Landslides**

**DRY SEASON**

Significant Increase

**WET SEASON**

Significant Increase

IMPACTS:  
Health / Water / Agriculture / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

##### Hydropower impacts

No hydropower dam

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: **2.27**  
Sensitivity: **2.9**  
Ranking: **6.57**

#### PRIORITIES & NEEDS

1. Improve water quality
2. Build latrine (Sanitation)


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### B. Darkdom (1503023) Dakcheung District, Sekong

#### DEMOGRAPHICS

Population (2017): **296**  
Main ethnic group: **Tarxiang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-59 >60  
51% 18% 27% 4%  
49% 19% 22% 10%



#### Ecosystem & Services:

- Livestock
- Coffee
- Grass
- Vegetables
- Wood
- River
- Water spring


#### Sources of Income:

- Subsistence agriculture
- Casual labor

#### Education:

- Kindergarten
- Primary incomplete
- Primary

#### Basic Services




#### HEALTH


Water-borne: - Diarrhea - Eye - Skin	Vector-borne: - Dengue
---	---------------------------

#### CLIMATE CHANGE & DISASTERS


Changes over the past 30 years




More than 1 per year  
**Health**  
Not changing



More than 1 per year  
**Water Flood Crops**  
Not changing



More than 1 per year  
**Home Infrastructure Income**  
More frequent



**People Injured Agriculture**

**DRY SEASON**

Slight Decrease

**WET SEASON**

Slight increase

IMPACTS:  
Health / Water / Agriculture / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

- + Industrial develop (+)
- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

##### Hydropower impacts

No hydropower dam

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: **1.73**  
Sensitivity: **3.43**  
Ranking: **5.95**

#### PRIORITIES & NEEDS

1. Improve water quality
2. Build latrine (Sanitation)

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**B. Darkman** (1503027)  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **381**  
Main ethnic group: **Ye (Jeh)**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54

50% 25% 25% 0%

50% 27% 25% 0%

Legend:  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Public House register  
Basic facilities: Health Centre, Primary school, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Livestock
- Coffee
- Water spring

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- None

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- No floods
- No droughts
- More than 1 per year Homes, Infrastructure, Income, More frequent
- People injured

**DRY SEASON**      **WET SEASON**

Slight Decrease      Slight Decrease

Slight Decrease      Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + Charcoal production (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Landslides (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

- No positive impact
- Changing river flows (-)
- Water availability (-)

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.4**

Sensitivity: **3.6**

Ranking: **1.44**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)
3. Increase agricultural production (Irrigation)

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**B. Darkta ork yal** (1503028)  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **318**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54

50% 25% 25% 0%

50% 27% 24% 0%

Legend:  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Public House register  
Basic facilities: Health Centre, Primary school, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Livestock
- Coffee

**Sources of Income:**

- Subsistence agriculture
- Casual labor

**Education:**

- Kindergarten
- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Diarrhea  
Vector-borne: Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- No floods
- No droughts
- More than 1 per year Homes, Infrastructure, Income, More frequent
- No Landslides

**DRY SEASON**      **WET SEASON**

Slight Decrease      Significant Increase

Slight Decrease      Slight Decrease

**IMPACTS:**  
Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)

**Hydropower impacts**

- No positive impact
- Changing river flows (-)
- Water availability (-)

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.9**

Sensitivity: **3.13**

Ranking: **5.95**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)

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## B. Dark yang noy (1503033) Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **130**  
 Main ethnic group: **Ye (Jeh)**  
 Other ethnic group: **None**  
 Religion: **Animism**



**Ecosystem & Services:**

- Livestock
- Coffee
- Grass
- Vegetables
- Wood
- Stream
- River
- Water spring

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- None



**HEALTH**

**Water-borne:** Allergies, Diarrhea, Skin

**Vector-borne:** Dengue, Encephalitis

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- No floods
- No droughts
- More than 1 per year **Income** Not changing
- People injured

**DRY SEASON**      **WET SEASON**

Significant Increase      Slight increase  
 Slight Decrease      Some decrease

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- No positive impact
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

- No positive impact
- Changing river flows (-)
- Water availability (-)

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.3**  
 Sensitivity: **3.67**  
 Ranking: **4.77**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)

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## B. Darkplann (1503034) Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **217**  
 Main ethnic group: **Ye (Jeh)**  
 Other ethnic group: **None**  
 Religion: **Animism**



**Ecosystem & Services:**

- Rice
- Livestock
- Wood

**Sources of Income:**

- Livestock
- Trade
- Casual labor

**Education:**

- Primary incomplete
- High school



**HEALTH**

**Water-borne:** Allergies, Diarrhea, Eye, Skin

**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- More than 1 per year **livelihoods** Health More severe
- More than 1 per year **food** Crops Not changing
- More than 1 per year **Infrastructure** Not changing
- No Landslides

**DRY SEASON**      **WET SEASON**

Some increase      Some increase  
 Some increase      Some increase

**IMPACTS:** Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

- No hydropower dam

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **3.6**  
 Sensitivity: **3.3**  
 Ranking: **11.88**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)
3. Increase agricultural production (irrigation)

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**B. Tangbrong (1303036)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **1393**

Main ethnic group: **Tariang**

Other ethnic group: **None**

Religion: **Animism**

**Ecosystem & Services:**

- Rice
- Livestock
- Grains
- Grass
- River

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary incomplete
- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

More than 1 per year  
**livelihoods**  
Health  
Less severe

More than 1 per year  
**Water**  
Food  
Crops  
More severe

More than 1 per year  
**Homes**  
Infrastructure  
Life  
Income  
More frequent

**DRY SEASON**

No change

Some increase

**WET SEASON**

No change

Some increase

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- More flooding (-)
- Loss of biodiversity (-)
- Landslides
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.73**

Sensitivity: **3.73**

Ranking: **6.47**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)
3. Increase agricultural production (Irrigation)

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**B. Tanglou+Dark leu (1503038)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **486**

Main ethnic group: **Katu**

Other ethnic group: **Tariang**

Religion: **Animism**

**Ecosystem & Services:**

- Rice
- Livestock
- Coffee
- Wood
- Water spring

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary

**Basic Services**

**HEALTH**

Water-borne: <b>None</b>	Vector-borne: Dengue Encephalitis Malaria
-----------------------------	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 per year  
**livelihoods**  
Health  
Less severe

1 per year  
**Water**  
Food  
Crops  
Not changing

More than 1 per year  
**Homes**  
Infrastructure  
Income  
More frequent

**DRY SEASON**

Significant Increase

Significant Increase

**WET SEASON**

Significant Increase

Significant Increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.47**

Sensitivity: **3.23**

Ranking: **7.98**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)

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## B. Darkchang (1503045) Dakcheung District, Sekong

**DEMOGRAPHICS**

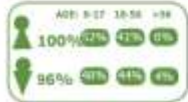
Population (2017): **140**  
 Main ethnic group: **Katu**  
 Other ethnic group: **None**  
 Religion: **Animism**



**Ecosystem & Services:**  
 - Livestock

**Sources of Income:**  
 - Livestock  
 - Casual labor

**Education:**  
 - Primary incomplete



**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
 Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

**No floods**  
**No droughts**  
 More than 1 per year Infrastructure Life Income More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant Increase  
 Some decrease      Slight Decrease

**IMPACTS:**  
 Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
 + More agricultural land (+)      - Loss of biodiversity (-)

**Hydropower impacts**  
 No hydropower dam

**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.6**  
 Sensitivity: **3.8**  
 Ranking: **9.88**

- PRIORITIES & NEEDS**
1. Increase agricultural production (Irrigation)
  2. Build latrine (Sanitation)
  3. Improve water quality



## B. Tangmii (1503049) Dakcheung District, Sekong

**DEMOGRAPHICS**

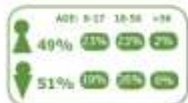
Population (2017): **226**  
 Main ethnic group: **Katu**  
 Other ethnic group: **None**  
 Religion: **Animism**



**Ecosystem & Services:**  
 - Rice  
 - Livestock  
 - Grass  
 - Wood  
 - Water spring

**Sources of Income:**  
 - Agriculture  
 - Livestock  
 - Casual labor

**Education:**  
 - Primary incomplete  
 - Primary



**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
 Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

More than 1 per year livelihoods Health More severe  
 More than 1 per year Water Food Crops More severe  
 More than 1 per year Homes Infrastructure Income More frequent

**DRY SEASON**      **WET SEASON**

Some increase      Some increase  
 Slight Decrease      Slight Decrease

**IMPACTS:**  
 Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
 + Industrial develop (+)  
 + Charcoal production (+)  
 + More agricultural land (+)  
 - More flooding (-)  
 - Loss of biodiversity (-)  
 - Landslides  
 - Erosion (-)  
 - Less food sources (-)

**Hydropower impacts**  
 No hydropower dam

**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.87**  
 Sensitivity: **3.77**  
 Ranking: **10.8**

- PRIORITIES & NEEDS**
1. Improve water quality
  2. Build latrine (Sanitation)





### B. Kone gning (1503050) Dakcheung District, Sekong

#### DEMOGRAPHICS

Population (2017): **258**  
Main ethnic group: **Katu**  
Other ethnic group: **Tariang**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
 41% 17% 22% 9%  
 59% 20% 26% 2%

#### Ecosystem & Services:

- Rice
- Livestock
- River

#### Sources of Income:

- Agriculture
- Livestock
- Casual labor

#### Education:

- Primary incomplete

#### Basic Services

#### HEALTH

Water-borne: Diarrhea, Skin  
 Vector-borne: Dengue, Encephalitis, Malaria

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

More than 1 per year  
livelihoolds  
Health  
More severe

More than 1 per year  
Water  
Crop  
More severe

More than 1 per year  
Infrastructure  
Income  
More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase    Slight Decrease  
 Significant Increase    Slight Decrease

IMPAIRS: Health / Water / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)

##### Hydropower impacts

No hydropower dam

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: **2.77**  
 Sensitivity: **3.03**  
 Ranking: **10.88**

#### PRIORITIES & NEEDS

1. Improve water quality
2. Build latrine (Sanitation)

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### B. Darkdieng (1503051) Dakcheung District, Sekong

#### DEMOGRAPHICS

Population (2017): **243**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
 52% 15% 28% 9%  
 43% 19% 21% 4%

#### Ecosystem & Services:

- Livestock
- Coffee
- Grass
- Vegetables
- River
- Water spring

#### Sources of Income:

- Agriculture
- Subsistence agriculture
- Casual labor

#### Education:

- Primary incomplete
- Primary

#### Basic Services

#### HEALTH

Water-borne: Diarrhea, Eye  
 Vector-borne: Dengue, Encephalitis

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

More than 1 per year  
livelihoolds  
Health  
Not changing

More than 1 per year  
Water  
Crop  
Not changing

More than 1 per year  
Home  
Income  
More frequent

**DRY SEASON**      **WET SEASON**

Some increase      Slight Decrease  
 Slight Decrease      Some decrease

IMPAIRS: Health / Water / Agriculture / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

- + Industrial develop (+)
- + More agricultural land (+)
- Landslides
- Erosion (-)
- Less food sources (-)

##### Hydropower impacts

No hydropower dam

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: **2.87**  
 Sensitivity: **3.63**  
 Ranking: **10.42**

#### PRIORITIES & NEEDS

1. Improve water quality
2. Build latrine (Sanitation)
3. Increase agricultural production (Irrigation)

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**B. Dark lam** (1503058)  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **630**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >60  
52% 39% 11% 9%  
48% 27% 22% 1%

**Ecosystem & Services:**

- Rice
- Livestock
- Coffee
- Vegetables

**Sources of Income:**

- Agriculture
- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

More than 1 per year  
**No impact**  
Not changing

More than 1 per year  
**Water**  
Food Crops  
Not changing

More than 1 per year  
**Infrastructure**  
Income  
Not changing

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant Increase  
Significant Increase      Significant Increase

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ Industrial develop (+)      Loss of biodiversity (-)  
+ More agricultural land (+)      Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **3**  
Sensitivity: **2.7**  
Ranking: **8.1**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)

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**B. Darkxeng** (1503060)  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **354**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >60  
51% 48% 11% 9%  
49% 27% 15% 4%

**Ecosystem & Services:**

- Rice
- Livestock
- Coffee
- Vegetables
- Wood

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**No droughts**

More than 1 per year  
**Infrastructure**  
Not changing

**DRY SEASON**      **WET SEASON**

Some increase      Some increase  
Some increase      Some increase

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ Industrial develop (+)      Loss of biodiversity (-)  
+ More agricultural land (+)      Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.2**  
Sensitivity: **3.47**  
Ranking: **4.16**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)

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**B. Darkbong** (1503062)  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): 309  
Main ethnic group: **Katu**  
Other ethnic group: **Tariang**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
46% 35% 19% 0%  
54% 27% 17% 2%

**Ecosystem & Services:**

- Rice
- Grass
- Stream
- River
- Water spring

**Sources of Income:**

- Agriculture
- Livestock
- Casual labor

**Education:**

- Primary incomplete
- Primary

**Basic Services**

**HEALTH**

**Water-borne:** Allergies, Diarrhea, Skin

**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

More than 1 per year  
**No impact**  
Not changing

More than 1 per year  
**Water**  
Flood  
Crop  
Not changing

More than 1 per year  
**Income**  
Not changing

**NO LANDSLIDES**

**DRY SEASON**      **WET SEASON**

Significant Increase      Some decrease  
Slight Decrease      Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + Charcoal production (+)
- + More agricultural land (+)

More flooding (-)  
Loss of biodiversity (-)  
Erosion (-)  
Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.77**

Sensitivity: **3.5**

Ranking: **6.18**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Construct pipe distribution system
3. Build latrine (Sanitation)

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**B. Tangtalang** (1503068)  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): 527  
Main ethnic group: **Katu**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
54% 25% 20% 0%  
46% 27% 22% 2%

**Ecosystem & Services:**

- Stream

**Sources of Income:**

- Agriculture
- Livestock

**Education:**

- Primary incomplete
- Primary

**Basic Services**

**HEALTH**

**Water-borne:** Diarrhea, Eye, Skin

**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 3-5 years  
**livelihoods**  
Health  
More severe

More than 1 per year  
**Water**  
Crop  
More severe

More than 1 per year  
**Infrastructure**  
Income  
More frequent

**People injured**  
Agriculture

**DRY SEASON**      **WET SEASON**

Slight Decrease      Significant Increase  
Slight Decrease      Significant Increase

**IMPACTS:**  
Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + Charcoal production (+)

More flooding (-)  
Loss of biodiversity (-)  
Landslides  
Erosion (-)  
Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.9**

Sensitivity: **4.07**

Ranking: **11.79**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)

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**B. darkden (1503096)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **537**  
Main ethnic group: **Tarxiang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-59 >60  
53% 27% 20% 7%  
50% 28% 18% 4%

**Legend:**  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Mobile Phone reception  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Livestock
- Coffee
- Vegetables

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye, Skin	Vector-borne: Dengue, Encephalitis, Malaria
----------------------------------	---

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

More than 1 per year  
**No impact**  
Not changing

More than 1 per year  
**Food Crops**  
Not changing

More than 1 per year  
**Infrastructure Income**  
Not changing

**No Landslides**

**DRY SEASON**

Significant Increase

Significant Increase

**WET SEASON**

Significant Increase

Significant Increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ Industrial develop (+)  
+ More agricultural land (+)

Loss of biodiversity (-)  
Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.73**  
Sensitivity: **3.47**  
Ranking: **9.48**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)
3. Increase agricultural production (Irrigation)

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**B. Tongxieng (1503090)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **247**  
Main ethnic group: **Tarxiang**  
Other ethnic group: **Katu**  
Religion: **Animism**

AGE: 5-17 18-59 >60  
48% 30% 22% 2%  
52% 27% 17% 4%

**Legend:**  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Mobile Phone reception  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Sugar cane
- Coffee
- Vegetables
- Water spring

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye	Vector-borne: Dengue, Encephalitis
----------------------------	------------------------------------

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

**No floods**

**No droughts**

More than 1 per year  
**Homes Infrastructure Income**  
Not changing

**Water supply**  
People injured

**DRY SEASON**

Significant Increase

Slight Decrease

**WET SEASON**

Significant Increase

Significant Increase

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ Industrial develop (+)  
+ More agricultural land (+)

Loss of biodiversity (-)  
Landslides (-)  
Erosion (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.6**  
Sensitivity: **3.67**  
Ranking: **5.87**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)
3. Increase agricultural production (Irrigation)

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**B. Darksa** (1503082)  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **353**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
49% 25% 26% 0%  
51% 0% 0% 0%

Legend:  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Public Water receptor  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Greedy feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Livestock
- Cuffien
- Wood

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-bourne: Diarrhea, Eye, Skin  
Vector-bourne: None

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 per year livelihoods Health Less severe
- More than 1 per year Food Crops Not changing
- More than 1 per year Homes Infrastructure Income More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant Increase  
Significant Increase      Significant Increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **3.13**  
Sensitivity: **3.67**  
Ranking: **11.49**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Build latrine (Sanitation)
3. Training, management and maintenance (Sanitation)

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**B. A youn** (1503102)  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **318**  
Main ethnic group: **Katu**  
Other ethnic group: **Tariang**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
52% 25% 23% 0%  
48% 0% 0% 0%

Legend:  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Public Water receptor  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Greedy feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Livestock
- Vegetables

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary incomplete
- Primary
- High school

**Basic Services**

**HEALTH**

Water-bourne: Allergies, Diarrhea, Eye, Skin  
Vector-bourne: Dengue, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- More than 1 per year livelihoods Health More severe
- More than 1 per year Water Pools Crops More severe
- More than 1 per year Homes Infrastructure Income More frequent

**DRY SEASON**      **WET SEASON**

Some increase      Slight Decrease  
Slight Decrease      Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + Charcoal production (+)
- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Landslides
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.8**  
Sensitivity: **3.5**  
Ranking: **9.8**

**PRIORITIES & NEEDS**

1. Landslide prevention
2. Improve water quality
3. Build latrine (Sanitation)

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**B. Dakouang (1503105)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **340**  
Main ethnic group: **Ye (Jeh)**  
Other ethnic group: **Tariang**  
Religion: **Animism**

AGE: 5-17 18-59 >60  
52% 22% 26% 4%  
48% 27% 21% 4%

**Ecosystem & Services:**

- Livestock
- Coffee
- Vegetables

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: **Diarrhea, Skin**  
Vector-borne: **Dengue, Encephalitis, Malaria**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**No droughts**

More than 1 per year  
**Infrastructure Income**  
More frequent

**DRY SEASON**      **WET SEASON**

No changes      Slight Decrease  
Slight Decrease      Slight Decrease

**IMPACTS:**  
Health / Water

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.4**  
Sensitivity: **3.4**  
Ranking: **1.36**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)

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**B. Darkdoung (1503111)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **327**  
Main ethnic group: **Katu**  
Other ethnic group: **Lao**  
Religion: **Animism**

AGE: 5-17 18-59 >60  
57% 12% 29% 4%  
43% 27% 15% 1%

**Ecosystem & Services:**

- Rice
- Coffee
- Vegetables

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: **Allergies, Eye, Skin**  
Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

More than 1 per year  
**livelihoods Health**  
More severe

More than 1 per year  
**Water Food Crops**  
Not changing

More than 1 per year  
**Homes Infrastructure Income**  
More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant Increase  
Significant Increase      Significant Increase

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Landslides
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **3.2**  
Sensitivity: **3.6**  
Ranking: **11.52**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)

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**B. Dark le** (1503114)  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **281**  
Main ethnic group: **Ye (Jeh)**  
Other ethnic group: **Katu**  
Religion: **Animism**

AGE: 5-17 18-59 +60  
52% 77% 80% 9%  
48% 60% 65% 6%

**Ecosystem & Services:**

- Coffee
- Grass
- River

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

More than 1 per year  
Infrastructure  
Income  
More frequent

**DRY SEASON**

Some increase

Slight Decrease

**WET SEASON**

Some decrease

Slight Decrease

**IMPACTS:**  
Health / Water / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Erosion (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.8**

Sensitivity: **2.57**

Ranking: **4.62**

**PRIORITIES & NEEDS**

1. Improve water quality
2. Build latrine (Sanitation)

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**B. Dark ren** (1503124)  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **239**  
Main ethnic group: **Taiyang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-59 +60  
44% 65% 67% 9%  
56% 60% 61% 2%

**Ecosystem & Services:**

- Rice
- Livestock
- Coffee
- Vegetables
- Wood
- River
- Water spring

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: None  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

1 every 3-5 years  
Crop  
Not changing

More than 1 per year  
Infrastructure  
Income  
Not changing

**DRY SEASON**

Significant Increase

Significant Increase

**WET SEASON**

Significant Increase

Significant Increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **3.33**

Sensitivity: **3.47**

Ranking: **11.56**

**PRIORITIES & NEEDS**

1. Increase agricultural production (Irrigation)
2. Improve water quality
3. Build latrine (Health)

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**B. Darkwor+Dark ark (1503127)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): 445  
Main ethnic group: Y+ (Jeh)  
Other ethnic group: None  
Religion: Animism

AGE: 5-17 18-59 +34  
51% 25% 22% 4%  
49% 27% 22% 4%

**Ecosystem & Services:**

- Livestock
- Coffee

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Kindergarten
- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye  
Vector-borne: Dengue, Encephalitis

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

No floods

No droughts

More than 1 per year  
Infrastructure Income  
More frequent

No Landslides

**DRY SEASON**

Significant Increase Slight Decrease

**WET SEASON**

Significant Increase Slight Decrease

**IMPACTS:**  
Health / Water / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + More agricultural land (+)
- Loss of biodiversity (-)
- Landslides

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 1.1  
Sensitivity: 3.13  
Ranking: 3.45

**PRIORITIES & NEEDS**

1. Improve water facility (gravity fed)
2. Construct water reservoir
3. Build latrine (Sanitation)

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**B. Dark ran (1503131)**  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): 404  
Main ethnic group: Nngkriang (Ngk)  
Other ethnic group: Tariang  
Religion: Animism

AGE: 5-17 18-59 +34  
50% 27% 19% 2%  
50% 28% 15% 6%

**Ecosystem & Services:**

- Rice
- Livestock
- Coffee
- Vegetables
- Wood
- River

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor
- Grove ginseng

**Education:**

- Kindergarten
- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

More than 1 per year  
No impact  
Not changing

More than 1 per year  
Water Food Crops  
Not changing

More than 1 per year  
Infrastructure Income  
More frequent

No Landslides

**DRY SEASON**

Significant Increase Significant Increase

**WET SEASON**

Significant Increase Significant Increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 2.67  
Sensitivity: 3.2  
Ranking: 8.53

**PRIORITIES & NEEDS**

1. Improve water facility (gravity fed)
2. Construct pipe distribution system
3. Build latrine (Sanitation)

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**B. Darddenh** (1503132)  
Dakcheung District, Sekong

**DEMOGRAPHICS**

Population (2017): **262**  
Main ethnic group: **Ye (Jeh)**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-54 >54  
50% 27% 18% 5%  
50% 30% 15% 5%

Legend:  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Public Water receptor  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**  
- Rice  
- Maize  
- Livestock

**Sources of Income:**  
- Livestock  
- Trade  
- Casual labor

**Education:**  
- Primary Incomplete

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- More than 1 per year **livelihoods** (Health) - Not changing
- More than 1 per year **Food** (Crops) - Not changing
- More than 1 per year **Infrastructure** (Income) - Not changing
- No Landslides

**DRY SEASON**      **WET SEASON**

Some increase      Some increase  
Some increase      Some increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ Industrial develop (+)      Less food sources (-)  
+ More agricultural land (+)

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **3.4**  
Sensitivity: **3.87**  
Ranking: **13.15**

**PRIORITIES & NEEDS**

1. Improve water facility (gravity fed)
2. Improve pipe distribution system
3. Build latrine (Sanitation)

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**B. saysi** (1701001)  
Kaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1329**  
Main ethnic group: **Laos**  
Other ethnic group: **None**  
Religion: **Buddhism**

Legend:  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Public Water receptor  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**  
- Rice  
- Maize  
- Livestock  
- Sugar cane  
- Vegetables  
- River

**Sources of Income:**  
- Subsistence agriculture  
- Livestock  
- RTFP

**Education:**  
- Primary  
- High school  
- Vocational

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 every 10 years **Houses** (livelihoods) (Health) - Less severe
- 1 every 10 years **Water** (Pool) (Crops) - Less severe
- 1 every 3-5 years **Home** (Infrastructure) - More frequent
- Agriculture

**DRY SEASON**      **WET SEASON**

Significant increase      Significant increase  
Significant decrease      Some decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ Industrial develop (+)      Less food sources (-)

**Hydropower impacts**  
No positive impact      - Water availability (-)

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **3.03**  
Sensitivity: **2.1**  
Ranking: **6.37**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Training; management and maintenance (Sanitation)
3. Improve water quality

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**B. Toly (1701008)**  
Xaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1179**

Main ethnic group: **Lao**

Other ethnic group: **None**

Religion: **Buddhism**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Agriculture  
- Subsistence agriculture  
- Livestock  
- Casual labor

**Education:**  
- Kindergarten  
- Primary



**HEALTH**

Water-borne: **Diarhea, Eye, Skin**

Vector-borne: **Dengue, Malaria**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**1 every 10 years:** Houses, Livelihoods, Health (Less severe)

**1 every 10 years:** Water, Food, Crops (Less severe)

**1 every 3-5 years:** Homes, Infrastructure (More frequent)

**DRY SEASON:** Significant Increase, Significant decrease

**WET SEASON:** Slight increase, Significant decrease

**IMPACTS:** Health / Water / Agriculture / Livestock

**No Landslides**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:**  
+ Industrial develop (+) Less food sources (-)

**Hydropower impacts:**  
No positive impact. - Water availability (-)

**Mining impacts:**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.83**

Sensitivity: **2.93**

Ranking: **8.31**

**PRIORITIES & NEEDS**

1. Construct water facility (boehole)
2. Build latrine (Sanitation)
3. Improve water quality

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**B. Kangyay (1701007)**  
Xaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1742**

Main ethnic group: **Cheng**

Other ethnic group: **Lao**

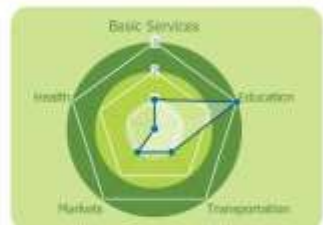
Religion: **Buddhism, Animism**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Agriculture  
- Subsistence agriculture  
- Livestock  
- Casual labor

**Education:**  
- Kindergarten  
- Primary  
- High school



**HEALTH**

Water-borne: **Diarhea, Eye, Skin**

Vector-borne: **Dengue, Malaria**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**1 every 10 years:** Houses, Livelihoods, Health (Less severe)

**1 every 10 years:** Water, Food, Crops (Less severe)

**1 every 3-5 years:** Homes, Infrastructure (More frequent)

**DRY SEASON:** Significant Increase, Significant decrease

**WET SEASON:** Significant Increase, Significant decrease

**IMPACTS:** Health / Water / Agriculture / Livestock

**No Landslides**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:**  
+ Industrial develop (+) Less food sources (-)

**Hydropower impacts:**  
No positive impact. - Water availability (-)

**Mining impacts:**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.13**

Sensitivity: **2.67**

Ranking: **5.69**

**PRIORITIES & NEEDS**

1. Construct water facility (gravity fed)
2. Build latrine (Sanitation)
3. Improve water quality

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**B. Hadsun (1701011)**  
Kaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1832**

Main ethnic group: **Brao**

Other ethnic group: **Lao**

Religion: **Buddhism**

**Ecosystem & Services:**

- None

**Sources of Income:**

- Subsistence agriculture
- Livestock
- RTFP

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 10 years  
Houses  
Livelihoods  
Health  
Less severe

2 every 10 years  
Water  
Food  
Crop  
Less severe

1 every 3-5 years  
Houses  
More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant Increase

Significant decrease      Significant decrease

**IMPAIRMENTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- Loss of biodiversity (-)
- Less food sources (-)

**Hydropower impacts**

- No positive impact
- Water availability (-)

**Mining impacts**

- No positive impact
- Water contamination (-)

**VULNERABILITY INDEX**

Hazard Intensity: **2.13**

Sensitivity: **3.23**

Ranking: **6.9**

**PRIORITIES & NEEDS**

1. Construct water facility (gravity fed)
2. Build latrine (Sanitation)
3. Plant trees

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**B. Somkoth (1701015)**  
Kaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1419**

Main ethnic group: **Lao**

Other ethnic group: **None**

Religion: **Buddhism**

**Ecosystem & Services:**

- Rice
- Livestock
- Vegetables
- River

**Sources of Income:**

- Agriculture
- Livestock

**Education:**

- Kindergarten
- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarhea Eye Skin	Vector-borne: <b>None</b>
--	------------------------------

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 3-5 years  
Houses  
Livelihoods  
Health  
Less severe

2 every 10 years  
Water  
Food  
Crop  
Less severe

More than 1 per year  
Houses  
Infrastructure  
Income  
More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant decrease

Significant decrease      Significant decrease

**IMPAIRMENTS:**  
Health / Water / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + More agricultural land (+)
- Less food sources (-)

**Hydropower impacts**

- + Electricity (+)
- Changing river flows (-)
- Water availability (-)

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.7**

Sensitivity: **2.83**

Ranking: **4.82**

**PRIORITIES & NEEDS**

1. Vaccinate animals/livestock
2. Build latrine (Sanitation)

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**B. Donesim (1701016)**  
Xaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017):  
**607**

Main ethnic group:  
**Lao**

Other ethnic group:  
**Brao**

Religion:  
**Buddhism**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Subsistence agriculture  
- Livestock  
- Casual labor

**Education:**  
- Kindergarten  
- Primary



**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
 Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**1 every 3-5 years:** Houses, Livelihoods, Health (Less severe)

**1 every 10 years:** Water, Food, Crops (Not changing)

**1 per year:** Homes, Infrastructures (More frequent)

**DRY SEASON:** Significant Increase, Slight Decrease  
**WET SEASON:** Significant Increase, Significant decrease

**IMPACTS:** Health / Agriculture / Livestock

**No Landslides**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** + Industrial develop (+), Less food sources (-)

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.03**  
 Sensitivity: **2.87**  
 Ranking: **5.83**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Sanitation)
3. Improve water quality

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**B. Phog (1701017)**  
Xaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017):  
**2496**

Main ethnic group:  
**Cheng**

Other ethnic group:  
**Lao**

Religion:  
**Buddhism**



**Ecosystem & Services:**  
- Rice

**Sources of Income:**  
- Subsistence agriculture  
- Livestock  
- Casual labor

**Education:**  
- Primary  
- High school



**HEALTH**

Water-borne: Diarrhea, Eye  
 Vector-borne: Dengue, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**1 every 3-5 years:** Houses, Livelihoods (Less severe)

**1 every 10 years:** Water, Food, Crops (Less severe)

**1 every 3-5 years:** Homes (Not changing)

**DRY SEASON:** Significant Increase, No change  
**WET SEASON:** No change, Significant decrease

**IMPACTS:** Health / Livestock

**No Landslides**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No deforestation activity

**Hydropower impacts:** No positive impact, - Water availability (-)

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.2**  
 Sensitivity: **2.67**  
 Ranking: **5.87**

**PRIORITIES & NEEDS**

1. Construct water facility (gravity fed)
2. Improve water quality
3. Build latrine (Sanitation)

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**B. Thalan** (1701018)  
Kaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1181**

Main ethnic group: **Cheng**

Other ethnic group: **None**

Religion: **Buddhism**

**Ecosystem & Services:**

- None

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock

**Education:**

- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: Diarther Eye Skin	Vector-borne: Dengue Malaria
---	------------------------------------

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 10 years  
Houses  
Livelihoods  
Health  
Less severe

1 every 10 years  
Water  
Crops  
Less severe

1 every 3-5 years  
Homes  
Infrastructure  
Not changing

**DRY SEASON**

Significant Increase

Some decrease

**WET SEASON**

Significant Increase

Some decrease

**IMPACTS:**  
Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ Industrial develop (+)	Less food sources (-)
--------------------------	-----------------------

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.93**

Sensitivity: **3.13**

Ranking: **6.06**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Sanitation)
3. Village drug kit

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**B. Hadsaty** (1701019)  
Kaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1531**

Main ethnic group: **Laos**

Other ethnic group: **None**

Religion: **Buddhism**

**Ecosystem & Services:**

- None

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock

**Education:**

- Kindergarten
- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarther Skin	Vector-borne: Dengue Malaria
----------------------------------	------------------------------------

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 10 years  
Houses  
Livelihoods  
Health  
Less severe

1 every 10 years  
Water  
Crops  
Less severe

1 every 3-5 years  
Homes  
Infrastructure  
Not changing

**DRY SEASON**

Significant Increase

Some decrease

**WET SEASON**

Significant Increase

Some decrease

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ Industrial develop (+)	Less food sources (-)
--------------------------	-----------------------

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.93**

Sensitivity: **3**

Ranking: **5.8**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Sanitation)
3. Vaccinate animals/livestock

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**B. Kangsay (1701022)**  
Xaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1136**

Main ethnic group: **Lao**

Other ethnic group: **Hrlak**

Religion: **Buddhism**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Agriculture  
- Subsistence agriculture  
- Livestock

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- 1 every 10 years:** Houses, Livelihoods, Health (Less severe)
- 1 every 10 years:** Water Crisis (Less severe)
- 1 every 3-5 years:** Homes, Infrastructures (Not changing)

**DRY SEASON:** Significant Increase, Slight Decrease  
**WET SEASON:** Significant Increase, Slight Decrease

**IMPACTS:** Health / Agriculture

**No Landslides**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:**  
No deforestation activity

**Hydropower impacts:**  
No positive impact. - Water availability (-)

**Mining impacts:**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.53**  
Sensitivity: **3.07**  
Ranking: **4.7**

**PRIORITIES & NEEDS**

- Construct water facility (gravity fed)
- Build latrine (Sanitation)
- Vaccinate animals/livestock

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**B. Sapoungneou (1701023)**  
Xaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017): **2569**

Main ethnic group: **Oy**

Other ethnic group: **None**

Religion: **Buddhism**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Subsistence agriculture  
- Livestock  
- Casual labor

**Education:**  
- Primary  
- High school

**Basic Services**

**HEALTH**

Water-borne: Diarrhea  
Vector-borne: Dengue, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- 1 every 10 years:** Houses, Livelihoods, Health (Less severe)
- 1 every 10 years:** Water Crisis (Less severe)
- 1 every 10 years:** Homes (Not changing)

**DRY SEASON:** Significant Increase, Slight Decrease  
**WET SEASON:** Significant Increase, Slight Decrease

**IMPACTS:** Health / Agriculture

**No Landslides**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:**  
No deforestation activity

**Hydropower impacts:**  
No hydropower dam

**Mining impacts:**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.53**  
Sensitivity: **2.57**  
Ranking: **3.94**

**PRIORITIES & NEEDS**

- Construct water facility (gravity fed)
- Build latrine (Sanitation)
- Improve water quality

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**B. Numhieng** (1701024)  
Kaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017): **484**

Main ethnic group: **Hrlak**

Other ethnic group: **None**

Religion: **Buddhism**

**Ecosystem & Services:**

- None

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: **None**      Vector-borne: **Dengue, Malaria**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 10 years  
Houses  
Livelihoods  
Less severe

1 every 10 years  
Water  
Crops  
Less severe

1 every 3-5 years  
Homes  
Not changing

**DRY SEASON**

Significant Increase

Slight Decrease

**WET SEASON**

Significant Increase

Slight Decrease

**IMPACTS:** Agriculture

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

No deforestation activity

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.53**

Sensitivity: **3.2**

Ranking: **4.91**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Vaccinate animals/livestock
3. Village drug kit

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**B. Sakare** (1701090)  
Kaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017): **3525**

Main ethnic group: **Laos**

Other ethnic group: **Brao**

Religion: **Buddhism, Animism**

**Ecosystem & Services:**

- River

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Trade

**Education:**

- Kindergarten
- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: **None**      Vector-borne: **Dengue, Malaria**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 10 years  
Houses  
Livelihoods  
Less severe

1 every 10 years  
Water  
Crops  
Less severe

1 every 3-5 years  
Homes  
Not changing

**DRY SEASON**

Significant Increase

Slight Decrease

**WET SEASON**

Significant Increase

Slight Decrease

**IMPACTS:** Health

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

+ Industrial develop (+)      Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No positive impact      - Water contamination (-)

**VULNERABILITY INDEX**

Hazard Intensity: **1.53**

Sensitivity: **2.17**

Ranking: **3.32**

**PRIORITIES & NEEDS**

1. Construct water facility (borehole)

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## B. Dakyeng (1701036) Xaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017):  
**1506**

Main ethnic group:  
**Brao**

Other ethnic group:  
**Sedang, Lao**

Religion:  
**Buddhism, Animism**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Subsistence agriculture  
- Livestock  
- HTFP

**Education:**  
- Kindergarten  
- Primary



**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
Vector-borne: Dengue, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods** (Blue circle)

**No droughts** (Orange circle)

**1 every 3-5 years Homes Not changing** (Blue circle)

**People injured** (Brown circle)

**DRY SEASON:** Significant Increase, Slight Decrease  
**WET SEASON:** Significant Increase, Slight Decrease

**IMPACTS:** Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact, Loss of biodiversity (-)

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.4**  
Sensitivity: **2.73**  
Ranking: **3.83**

**PRIORITIES & NEEDS**

1. Construct water facility (gravity fed)
2. Build latrine (Sanitation)
3. Vaccinate animals/livestock

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## B. Yaioudom(khummarkheu, Donggew, Boungwai) (1701037) Xaysetha District, Attapeu

**DEMOGRAPHICS**

Population (2017):  
**3032**

Main ethnic group:  
**Brao**

Other ethnic group:  
**Lao**

Religion:  
**Buddhism**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Agriculture  
- Subsistence agriculture  
- Livestock  
- Casual labor

**Education:**  
- Primary  
- High school



**HEALTH**

Water-borne: Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**1 every 10 years Homes livelihoode Less severe** (Blue circle)

**1 every 10 years Water Pool Crop Less severe** (Orange circle)

**1 every 3-5 years Homes Life More frequent** (Blue circle)

**No Landslides** (Brown circle)

**DRY SEASON:** Significant Increase, Slight Decrease  
**WET SEASON:** Significant Increase, Slight Decrease

**IMPACTS:** Health / Water / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** + Industrial develop (+), Less food sources (-)

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.53**  
Sensitivity: **2.63**  
Ranking: **4.04**

**PRIORITIES & NEEDS**

1. Construct water facility (gravity fed)
2. Build latrine (Sanitation)
3. Vaccinate animals/livestock

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### B. Champhao (1702018) Samakhhixay District, Attapeu

#### DEMOGRAPHICS

Population (2017): **968**  
Main ethnic group: **Oy**  
Other ethnic group: **Lao, Khmu**  
Religion: **Animism**

AGE: 5-17 18-59 +60  
44% 50% 6% 15%  
56% 25% 15% 20%

#### Ecosystem & Services:

- Rice
- Livestock
- River

#### Sources of Income:

- Subsistence agriculture
- Livestock
- Casual labor

#### Education:

- Primary

#### Basic Services

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

1 every 10 years  
**livelihoods**  
Health  
Less severe

2 every 10 years  
**Water**  
Food  
Crops  
Not changing

1 every 10 years  
**Infrastructure**  
Income  
Not changing

**DRY SEASON**

Slight increase  
Slight increase

**WET SEASON**

Slight increase  
Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**No Landslides**

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

No positive impact

- Loss of biodiversity (-)
- Less food sources (-)

##### Hydropower impacts

No positive impact

- Water availability (-)

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: **0.97**  
Sensitivity: **3.53**  
Ranking: **3.42**

#### PRIORITIES & NEEDS

1. Construct water facility (borehole/gravity fed)

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### B. Kamesung (1702019) Samakhhixay District, Attapeu

#### DEMOGRAPHICS

Population (2017): **809**  
Main ethnic group: **Oy**  
Other ethnic group: **Tariang, Lao**  
Religion: **Buddhism**

AGE: 5-17 18-59 +60  
52% 41% 10% 9%  
45% 29% 16% 10%

#### Ecosystem & Services:

- Rice
- Livestock
- Stream
- River

#### Sources of Income:

- Subsistence agriculture
- Livestock
- Casual labor

#### Education:

- Primary incomplete
- Primary

#### Basic Services

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

1 every 3-5 years  
**Houses**  
livelihoods  
Health  
More severe

1 every 3-5 years  
**Water**  
Food  
Crops  
Deaths of livestock  
More insects

More than 1 per year  
**Homes**  
Infrastructure  
Income  
More frequent

**DRY SEASON**

Significant increase  
Significant decrease

**WET SEASON**

Significant increase  
Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**No Landslides**

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

+ Industrial develop (+)  
+ More agricultural land (+)

- More flooding (-)
- Loss of biodiversity (-)
- Less food sources (-)

##### Hydropower impacts

No positive impact

- Water availability (-)

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: **4.33**  
Sensitivity: **3.27**  
Ranking: **14.16**

#### PRIORITIES & NEEDS

1. Construct water facility (borehole)

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**Shelter**

Initiative by **ARCADIS** with UN-Habitat

**B. Home (1702020)**  
Samakkhixay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **549**  
Main ethnic group: **Oy**  
Other ethnic group: **Brao, Lao**  
Religion: **Buddhism**



**Ecosystem & Services:**

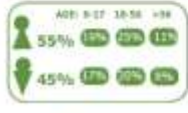
- Rice
- Livestock
- Stream
- River

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary incomplete
- Primary
- High school



**HEALTH**

**Water-borne:** Allergies, Diarrhea, Eye, Skin, Scrub typhus

**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 every 3-5 years **livelihoods** (Less severe)
- 1 every 3-5 years **Water** (More severe)
- More than 1 per year **Homes** (More frequent)

**DRY SEASON**      **WET SEASON**

Significant Increase      Some increase

Significant decrease      Slight Decrease

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact. Loss of biodiversity (-), Erosion (-), Less food sources (-)

**Hydropower impacts:** No positive impact. - Water availability (-)

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **3.53**

Sensitivity: **2.53**

Ranking: **8.95**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)

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**B. Thammaleuy (1702021)**  
Samakkhixay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1929**  
Main ethnic group: **Lao**  
Other ethnic group: **Brao, Oy**  
Religion: **Buddhism**



**Ecosystem & Services:**

- Rice
- River

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Trade
- Casual labor

**Education:**

- Primary incomplete
- Primary



**HEALTH**

**Water-borne:** Allergies, Diarrhea, Eye, Skin

**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 every 3-5 years **Houses** (Less severe)
- 1 every 3-5 years **Water** (Less severe)
- 1 every 3-5 years **Infrastructure** (Not changing)

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant Increase

Significant decrease      Slight Decrease

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact. Loss of biodiversity (-), Erosion (-), Less food sources (-)

**Hydropower impacts:** No positive impact. - Water availability (-)

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.03**

Sensitivity: **3.1**

Ranking: **6.3**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)

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### B. Sayphosy (1702035) Samakkhixay District, Attapeu

#### DEMOGRAPHICS

Population (2017): 669  
Main ethnic group: Lao  
Other ethnic group: None  
Religion: Buddhism

AGE: 5-17 18-59 +60  
49% 18% 33% 4%  
51% 12% 37% 2%

#### Ecosystem & Services:

- Rice
- Livestock

#### Sources of Income:

- Agriculture
- Subsistence agriculture
- Livestock
- Casual labor

#### Education:

- Kindergarten
- Primary

#### Basic Services

#### HEALTH

Water-borne: Allergies Diarthra Eye Skin	Vector-borne: Dengue Encephalitis Malaria Scrub typhus
--	--

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

1 every 3-5 years  
Houses  
Livelihoods  
Health  
Less severe

2 every 10 years  
Water  
Food  
Crops  
Less severe

1 every 10 years  
Home  
Infrastructure  
Life  
Income  
Not changing

**NO LANDSLIDES**

<b>DRY SEASON</b>	<b>WET SEASON</b>
Significant Increase	Slight Decrease
Slight Decrease	Significant Increase

IMPACTS:  
Health / Water / Agriculture / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

- + Industrial develop (+)
- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

##### Hydropower impacts

No hydropower dam

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: 1.3  
Sensitivity: 2.3  
Ranking: 2.99

#### PRIORITIES & NEEDS

1. Construct water facility (boothole)
2. Diversify livelihoods

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### B. Halungyay (1702036) Samakkhixay District, Attapeu

#### DEMOGRAPHICS

Population (2017): 843  
Main ethnic group: Brao  
Other ethnic group: Lao  
Religion: Animism

AGE: 5-17 18-59 +60  
56% 15% 22% 14%  
44% 11% 36% 9%

#### Ecosystem & Services:

- Rice
- Livestock

#### Sources of Income:

- Agriculture
- Subsistence agriculture
- Livestock
- Casual labor

#### Education:

- Primary incomplete
- Primary
- High school

#### Basic Services

#### HEALTH

Water-borne: Allergies Diarthra Eye Skin	Vector-borne: Dengue Encephalitis Malaria Scrub typhus
--	--

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

1 every 3-5 years  
Houses  
Livelihoods  
Health  
Less severe

1 every 3-5 years  
Water  
Food  
Crops  
Not changing

More than 1 per year  
Home  
Infrastructure  
Income  
Not changing

**NO LANDSLIDES**

<b>DRY SEASON</b>	<b>WET SEASON</b>
Significant Increase	Significant Increase
Semi decrease	Significant Increase

IMPACTS:  
Health / Water / Agriculture / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Less food sources (-)

##### Hydropower impacts

No hydropower dam

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: 2.2  
Sensitivity: 2.37  
Ranking: 5.21

#### PRIORITIES & NEEDS

1. Construct water facility (boothole)
2. Diversify livelihoods

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**B. Kasom (1702037)**  
Samakhhixay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **748**  
Main ethnic group: **Lao**  
Other ethnic group: **None**  
Religion: **Buddhism**

AGE: 0-17 18-59 >60  
35% 10% 17% 0%  
65% 57% 58% 0%

**Legend:**  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Mobile Phone reception  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Livestock
- Wood
- Stream
- River

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin, Fever, cough	Vector-borne: Dengue, Encephalitis, Malaria, Scrub typhus
---	---

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 3-5 years  
**Houses**  
Livelihoods  
Health  
Less severe

1 every 3-5 years  
**Water**  
Food  
Crops  
Less severe

1 every 3-5 years  
**Houses**  
Infrastructure  
LIFE  
Income  
More frequent

**DRY SEASON**      **WET SEASON**

Significant increase      Significant increase  
Significant decrease      Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- No positive impact
- More flooding (-)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

- No hydropower dam

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.27**  
Sensitivity: **2.73**  
Ranking: **6.2**

**PRIORITIES & NEEDS**

1. Build latrine (Sanitation)
2. Diversify livelihoods

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**B. Salk (1702038)**  
Samakhhixay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1797**  
Main ethnic group: **Oy**  
Other ethnic group: **Lao**  
Religion: **Buddhism**

AGE: 0-17 18-59 >60  
59% 13% 12% 4%  
41% 12% 26% 2%

**Legend:**  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Mobile Phone reception  
Basic facilities: Health Centre, Primary School, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Grains

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary incomplete
- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin	Vector-borne: Dengue, Encephalitis, Malaria, Scrub typhus
---	---

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 3-5 years  
**Houses**  
Livelihoods  
Health  
More severe

1 every 10 years  
**Water**  
Food  
Crops  
Less severe

1 every 3-5 years  
**Houses**  
Infrastructure  
Income  
Not changing

**DRY SEASON**      **WET SEASON**

Significant increase      Significant increase  
Significant decrease      Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- No positive impact
- More flooding (-)

**Hydropower impacts**

- No positive impact
- Water availability (-)

**Mining impacts**

- No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.6**  
Sensitivity: **2.9**  
Ranking: **7.54**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Diversify livelihoods

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**B. Haisok (1702038)**  
Samakhhixay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1086**  
Main ethnic group: **Lao**  
Other ethnic group: **Yahen**  
Religion: **Buddhism**

AGE: 5-17 18-54 >54  
49% 12% 39% 0%  
51% 0% 44% 0%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary incomplete
- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria Scrub typhus
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 10 years  
Houses  
Livelihoods  
Health  
Not changing

1 every 10 years  
Water  
Food  
Crops  
Less severe

More than 1 per year  
Homes  
Infrastructure  
Income  
Not changing

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant Increase  
Significant decrease      Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

No positive impact

- More flooding (-)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

- + Electricity (+)
- Water availability (-)

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **3.03**  
Sensitivity: **2.7**  
Ranking: **8.19**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Diversify livelihoods

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**B. Meouhuomeung (1702043)**  
Samakhhixay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **2598**  
Main ethnic group: **Yahen**  
Other ethnic group: **Lao, Hriak (Alak)**  
Religion: **Buddhism, Animism**

AGE: 5-17 18-54 >54  
49% 25% 22% 2%  
51% 27% 22% 0%

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Wood

**Sources of Income:**

- Agriculture: Subsistence agriculture
- Livestock
- Trade
- Casual labor
- NTFF; Fishery

**Education:**

- Primary incomplete
- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: Allergies Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria Scrub typhus
--	--

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 10 years  
Houses  
Livelihoods  
Health  
Less severe

1 every 10 years  
Water  
Food  
Crops  
Not changing

1 every 3-5 years  
Infrastructure  
More frequent

**DRY SEASON**      **WET SEASON**

Slight increase      Slight increase  
Significant decrease      Slight Decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + Charcoal production (+)
- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

- No positive impact
- Changing river flows (-)
- Water availability (-)

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.37**  
Sensitivity: **1.9**  
Ranking: **4.5**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Diversify livelihoods

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**B. Jalernsai** (1704001)  
Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **723**  
Main ethnic group: **Tarlang**  
Other ethnic group: **Alak, Lao**  
Religion: **Animism**

AGE: 0-17 18-59 >59  
51% 19% 21% 11%  
49% 10% 21% 10%

**Head network**  
Road  
Trail

**Communication Network**  
Public Electricity on Grid  
Public Phone register

**Basic facilities**  
Health Centre  
Primary school  
Shelter facilities

**Water facilities**  
Gravity feed system  
Deep Well

**Ecosystem & Services:**  
- Maize  
- Coffee

**Sources of Income:**  
- Livestock  
- Casual labor

**Education:**  
- Primary  
- High school

**Basic Services**

**HEALTH**

Water-borne: **None**  
Allergies  
Diarrhea  
Eye

Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 3-5 years  
**Houses**  
Livelihoods  
Health  
Less severe

1 every 3-5 years  
**Water**  
Food  
Less severe

1 every 3-5 years  
**Homes**  
Infrastructure  
Income  
Less frequent

**DRY SEASON**      **WET SEASON**

**Slight increase**      **Slight increase**

**Slight increase**      **Slight increase**

**IMPACTS:**  
Health / Agriculture / Livestock

**No Landslides**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ Industrial develop (+)  
+ More agricultural land (+)  
No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.87**  
Sensitivity: **2.97**  
Ranking: **2.57**

**PRIORITIES & NEEDS**

1. Build latrine (Health)
2. Vaccinate animals/livestock

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**B. Dakkanath** (1704004)  
Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **488**  
Main ethnic group: **Tarlang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >59  
54% 19% 27% 11%  
46% 10% 22% 9%

**Head network**  
Road  
Trail

**Communication Network**  
Public Electricity on Grid  
Public Phone register

**Basic facilities**  
Health Centre  
Primary school  
Shelter facilities

**Water facilities**  
Gravity feed system  
Deep Well

**Ecosystem & Services:**  
- Maize  
- Coffee

**Sources of Income:**  
- Subsistence agriculture  
- Livestock  
- Casual labor

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: **None**  
Allergies  
Diarrhea  
Eye  
Skin

Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 3-5 years  
**Houses**  
Livelihoods  
Health  
Less severe

1 every 3-5 years  
**Water**  
Crop  
Less severe

1 every 3-5 years  
**Homes**  
Income  
Less frequent

**DRY SEASON**      **WET SEASON**

**Slight Decrease**      **Slight increase**

**Slight Decrease**      **Slight increase**

**IMPACTS:**  
Health / Agriculture / Livestock

**No Landslides**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact  
No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.77**  
Sensitivity: **3.53**  
Ranking: **6.24**

**PRIORITIES & NEEDS**

1. Build latrine (Health)
2. Construct water facility (borehole)

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**B. Dakhiat (1704005)**  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1477**  
Main ethnic group: **Alak**  
Other ethnic group: **Tariang, Lao**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
46% 19% 22% 13%  
54% 27% 25% 14%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Casual labor

**Education:**  
- Primary incomplete  
- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
Vector-borne: Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

1 every 10 years  
Houses  
Not changing

No Landslides

**DRY SEASON**  
Slight increase  
Significant decrease

**WET SEASON**  
Slight increase  
Slight increase

**IMPACTS:**  
Agriculture

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact. No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1**  
Sensitivity: **3.43**  
Ranking: **3.43**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Vaccinate animals/livestock

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**B. Hindum (1704007)**  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **268**  
Main ethnic group: **Alak**  
Other ethnic group: **Tariang, Brao**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
50% 21% 27% 0%  
50% 27% 21% 0%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Subsistence agriculture  
- Livestock  
- Casual labor

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
Vector-borne: Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 3-5 years  
Houses  
livelhoods  
Health  
More severe

1 every 3-5 years  
Water  
Pool  
Crops  
Less severe

1 every 3-5 years  
Home  
Income  
Less frequent

No Landslides

**DRY SEASON**  
Slight increase  
Slight increase

**WET SEASON**  
Slight increase  
Slight Decrease

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact. No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.37**  
Sensitivity: **3.9**  
Ranking: **5.33**

**PRIORITIES & NEEDS**

1. Build latrine (Health)
2. Vaccinate animals/livestock

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**B. Yatdak (1704010)**  
Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **579**  
Main ethnic group: **Yê (Jeh)**  
Other ethnic group: **None**  
Religion: **Christian**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Livestock  
- Casual labor

**Education:**  
- Primary



**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin  
 Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods** (Blue circle)  
**No droughts** (Orange circle)  
**Never No impact** (Blue circle with rain cloud)  
**No Landslides** (Brown circle)

**DRY SEASON**  
Slight increase (red arrow)  
Slight Decrease (blue arrow)

**WET SEASON**  
Slight increase (red arrow)  
Slight increase (blue arrow)

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact. No negative impact.

**Hydropower impacts**  
No hydropower dam.

**Mining impacts**  
+ Infrastructure (+)  
- Water contamination (-)  
- Landslides (-)

**VULNERABILITY INDEX**

Hazard Intensity: **0.7**  
 Sensitivity: **3.17**  
 Ranking: **2.22**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Vaccinate animals/livestock

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**B. Dakpork (1704012)**  
Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **348**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**



**Ecosystem & Services:**  
- Livestock  
- Coffee

**Sources of Income:**  
- Agriculture  
- Livestock  
- Casual labor

**Education:**  
- Primary



**HEALTH**

Water-borne: Allergies, Diarrhea, Malaria  
 Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods** (Blue circle)  
**No droughts** (Orange circle)  
**1 every 3-5 years Homes Loss frequent** (Blue circle with rain cloud)  
**No Landslides** (Brown circle)

**DRY SEASON**  
Slight Decrease (red arrow)  
Slight increase (blue arrow)

**WET SEASON**  
Slight Decrease (red arrow)  
Slight increase (blue arrow)

**IMPACTS:**  
Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact. No negative impact.

**Hydropower impacts**  
No hydropower dam.

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.2**  
 Sensitivity: **3.6**  
 Ranking: **0.72**

**PRIORITIES & NEEDS**

1. Build latrine (Health)
2. Vaccinate animals/livestock

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**B. Nongpha** (1704014)  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **500**  
Main ethnic group: **Ye (Jeh)**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
51% 18% 10% 16%  
49% 17% 18% 16%

**Legend:**  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Public House register  
Basic facilities: Health Centre, Primary school, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**  
- Livestock

**Sources of Income:**  
- Subsistence agriculture  
- Livestock  
- Casual labor

**Education:**  
- Kindergarten  
- Primary  
- High school

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye  
Vector-borne: Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- No floods
- No droughts
- 1 every 10 years: Homes, Infrastructure, Loss frequent
- No Landslides

**DRY SEASON:** Some increase (Precipitation), Slight Decrease (Temperature)  
**WET SEASON:** Slight Decrease (Precipitation), Slight increase (Temperature)

**IMPACTS:** Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact, No negative impact

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.7**  
Sensitivity: **2.33**  
Ranking: **1.63**

**PRIORITIES & NEEDS**

- Construct water facility (boothole)
- Build latrine (Health)
- Vaccinate animals/livestock

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**B. Vungtatyal** (1704015)  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **338**  
Main ethnic group: **Ye (Jeh)**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
47% 17% 10% 14%  
53% 17% 16% 14%

**Legend:**  
Road network: Road, Trail  
Communication Network: Public Electricity on Grid, Public House register  
Basic facilities: Health Centre, Primary school, Shelter facilities  
Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**  
- Livestock

**Sources of Income:**  
- Livestock

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- No floods
- No droughts
- 1 every 3-5 years: Homes, Income, Not changing
- No Landslides

**DRY SEASON:** Slight increase (Precipitation), No change (Temperature)  
**WET SEASON:** No change (Precipitation), No change (Temperature)

**IMPACTS:** Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact, No negative impact

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.2**  
Sensitivity: **3.73**  
Ranking: **0.75**

**PRIORITIES & NEEDS**

- Construct water facility (gravity fed)
- Build latrine (Health)
- Vaccinate animals/livestock

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## B. Vungtatnoy (1704018) Sansay District, Attapeu

**DEMOGRAPHICS**

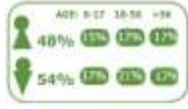
Population (2017): **579**  
 Main ethnic group: **Y\* (Jeh)**  
 Other ethnic group: **None**  
 Religion: **Christian**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Livestock  
- Casual labor

**Education:**  
- Primary



**HEALTH**

Water-borne: **None**  
 Allergies, Diarrhea, Eye, Skin

Vector-borne: **Encephalitis, Malaria**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

- No floods
- 1 every 10 years: Water, Food, Crops, Loss severe
- 1 every 3-5 years: Homes, Infrastructure, Loss frequent
- No Landslides

**DRY SEASON:** Slight Decrease  
**WET SEASON:** Slight increase

**IMPACTS:** Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact, No negative impact

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.67**  
 Sensitivity: **3.73**  
 Ranking: **2.49**

- PRIORITIES & NEEDS**
1. Construct water facility (boothole)
  2. Build latrine (Health)
  3. Vaccinate animals/livestock



## B. Tadsang (1704018) Sansay District, Attapeu

**DEMOGRAPHICS**

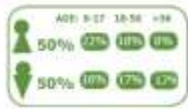
Population (2017): **1089**  
 Main ethnic group: **Taiyang**  
 Other ethnic group: **Alak, Leo**  
 Religion: **Animism**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Livestock

**Education:**  
- Kindergarten  
- Primary  
- High school



**HEALTH**

Water-borne: **None**  
 Vector-borne: **Malaria**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

- No floods
- No droughts
- 1 every 3-5 years: Homes, Income, Not changing
- No Landslides

**DRY SEASON:** Some increase  
**WET SEASON:** Some increase

**IMPACTS:** Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact, No negative impact

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.2**  
 Sensitivity: **2.5**  
 Ranking: **3**

- PRIORITIES & NEEDS**
1. Improve water facility (gravity fed)
  2. Construct pipe distribution system
  3. Build latrine (Sanitation)





**B. Moon (1704021)**  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1022**  
Main ethnic group: **Alak**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
52% 24% 10% 0%  
48% 18% 12% 15%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Subsistence agriculture

**Education:**  
- Kindergarten  
- Primary

**Basic Services**

**HEALTH**

Water-borne: **Diarrhea**      Vector-borne: **Encephalitis, Malaria**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**1 every 3-5 years Water Crisis Less severe**

**1 every 10 years Homes Infrastructure Less frequent**

**No Landslides**

**DRY SEASON**

Some increase

**WET SEASON**

Slight increase

**IMPACTS:**  
Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact      No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.03**  
Sensitivity: **3.3**  
Ranking: **3.41**

**PRIORITIES & NEEDS**

- Construct water facility (boothole)
- Construct pipe distribution system
- Build latrine (Sanitation)

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**B. Maythavone (1704021)**  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **514**  
Main ethnic group: **Taiyang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
53% 15% 11% 11%  
47% 17% 16% 11%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Livestock  
- Casual labor

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: **Eye, Skin, Scrub typhus**      Vector-borne: **Dengue, Encephalitis**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**No droughts**

**Never No impact**

**No Landslides**

**DRY SEASON**

Slight increase

**WET SEASON**

Slight increase

**IMPACTS:**  
Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact      No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.4**  
Sensitivity: **3.23**  
Ranking: **1.29**

**PRIORITIES & NEEDS**

- Construct water facility (boothole)
- Build latrine (Health)
- Vaccinate animals/livestock

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## B. Daksang (1704024) Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **231**  
 Main ethnic group: **Tarlang**  
 Other ethnic group: **None**  
 Religion: **Animism**



**Ecosystem & Services:**  
- None

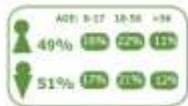
**Sources of Income:**  
- Subsistence agriculture  
- Livestock

**Education:**  
- Kindergarten  
- Primary



**HEALTH**

Water-borne: Diarrhea, Eye  
 Vector-borne: Dengue, Encephalitis, Malaria



**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

**No floods**  
**2 every 10 years** (Water, Flood, Crops, Less severe)  
**1 every 3-5 years** (Homes, Infrastructures, Income, Less frequent)

**DRY SEASON:** Slight Decrease  
**WET SEASON:** Slight increase

**No Landslides**  
**Slight Decrease**  
**Slight Decrease**

**IMPACTS:** Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact, No negative impact

**Hydropower impacts:** + Water availability (+), No negative impact

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.67**  
 Sensitivity: **2.9**  
 Ranking: **1.93**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Improve water quality (filter)
3. Build latrine (Health)

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## B. Sooksavang (1704027) Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **907**  
 Main ethnic group: **Ye (Jeh)**  
 Other ethnic group: **None**  
 Religion: **Christian**



**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Livestock

**Education:**  
- Primary



**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
 Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

**No floods**  
**2 every 10 years** (Water, Flood, Crops, Not changing)  
**Never** (No impact)

**DRY SEASON:** Slight Decrease  
**WET SEASON:** Some increase

**No Landslides**  
**Slight Decrease**  
**Slight Decrease**

**IMPACTS:** Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact, No negative impact

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2**  
 Sensitivity: **3.67**  
 Ranking: **7.33**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Health)
3. Vaccinate animals/livestock

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**B. Dakdao (1704029)**  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **176**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
52% 30% 11% 15%  
48% 18% 14% 15%

**Ecosystem & Services:**  
- Coffee

**Sources of Income:**  
- Livestock  
- Casual labor

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: Eye, Skin  
Vector-borne: Dengue

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods  
No droughts  
1 every 3-5 years  
Income Not changing

**NO LANDSLIDES**

**DRY SEASON**: Slight increase (precipitation), Slight Decrease (temp)  
**WET SEASON**: Slight increase (precipitation), Slight increase (temp)

**IMPACTS:** Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**: No positive impact, No negative impact

**Hydropower impacts**: No hydropower dam

**Mining impacts**: No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 0.7  
Sensitivity: 3.53  
Ranking: 2.47

**PRIORITIES & NEEDS**

- Construct water facility (boothole)
- Build latrine (Health)
- Vaccinate animals/livestock

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**B. Dakband (1704030)**  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **659**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
50% 35% 17% 15%  
50% 17% 14% 15%

**Ecosystem & Services:**  
- Coffee

**Sources of Income:**  
- Subsistence agriculture  
- Livestock  
- Casual labor

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye, Skin, Malaria  
Vector-borne: None

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods  
No droughts  
1 every 3-5 years  
Home Income Least frequent

**NO LANDSLIDES**

**DRY SEASON**: Slight Decrease (precipitation), Slight Decrease (temp)  
**WET SEASON**: Slight increase (precipitation), Slight increase (temp)

**IMPACTS:** Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**: No positive impact, No negative impact

**Hydropower impacts**: No hydropower dam

**Mining impacts**: No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: 0.5  
Sensitivity: 3.4  
Ranking: 1.7

**PRIORITIES & NEEDS**

- Construct water facility (boothole)
- Build latrine (Health)
- Vaccinate animals/livestock

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## B. Vungsay (1704031) Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1526**  
 Main ethnic group: **Tariang**  
 Other ethnic group: **Lao, Oy**  
 Religion: **Animism**



**Ecosystem & Services:**  
 - None

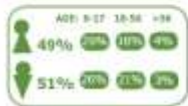
**Sources of Income:**  
 - Subsistence agriculture  
 - Livestock  
 - Casual labor

**Education:**  
 - Kindergarten  
 - Primary  
 - High school



**HEALTH**

Water-borne: **Diarrhea**  
 Vector-borne: **None**



**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

- No floods
- No droughts
- 1 every 3-5 years Income Less frequent
- No Landslides

**DRY SEASON**      **WET SEASON**

Significant decrease      Significant decrease  
 Significant decrease      Significant decrease

**IMPACTS:**  
 Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
 + Industrial develop (+)  
 No negative impact

**Hydropower impacts**  
 No hydropower dam

**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1**  
 Sensitivity: **2.63**  
 Ranking: **2.63**

**PRIORITIES & NEEDS**

- Construct water facility (boothole)
- Construct pipe distribution system
- Build latrine (Health)

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## B. Kongnayal (1704032) Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **326**  
 Main ethnic group: **Tariang**  
 Other ethnic group: **None**  
 Religion: **Animism**



**Ecosystem & Services:**  
 - Coffee

**Sources of Income:**  
 - Livestock  
 - Casual labor

**Education:**  
 - Kindergarten  
 - Primary incomplete



**HEALTH**

Water-borne: **Diarrhea, Eye, Skin, Malaria**  
 Vector-borne: **Dengue, Encephalitis, Malaria**

**CLIMATE CHANGE & DISASTERS**  
 Changes over the past 30 years

- No floods
- No droughts
- 1 every 10 years Homes Infrastructure Income Less frequent
- No Landslides

**DRY SEASON**      **WET SEASON**

Slight increase      Slight increase  
 Slight increase      Slight Decrease

**IMPACTS:**  
 Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
 No positive impact      No negative impact

**Hydropower impacts**  
 No hydropower dam

**Mining impacts**  
 No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.7**  
 Sensitivity: **3.53**  
 Ranking: **2.47**

**PRIORITIES & NEEDS**

- Construct water facility (boothole)
- Build latrine (Health)
- Vaccinate animals/livestock

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**B. Donechun** (1704035)  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **133**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
51% 17% 19% 20%  
49% 10% 17% 12%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Livestock  
- Casual labor

**Education:**  
- Primary incomplete

**Basic Services**

**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin  
Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

Never  
No impact

No Landslides

**DRY SEASON**

Slight Decrease

Slight Decrease

**WET SEASON**

Slight increase

Slight Decrease

**IMPACTS:**  
Health / Water / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact. No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.5**  
Sensitivity: **3.53**  
Ranking: **2.12**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Vaccinate animals/livestock

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**B. Daklakow** (1704038)  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **584**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
51% 17% 18% 18%  
49% 10% 22% 12%

**Ecosystem & Services:**  
- Livestock  
- Coffee

**Sources of Income:**  
- Livestock  
- Casual labor

**Education:**  
- Kindergarten  
- Primary

**Basic Services**

**HEALTH**

Water-borne: Eye, Skin  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

1 every 3-5 years  
Home Income  
Not changing

No Landslides

**DRY SEASON**

Slight increase

No change

**WET SEASON**

No change

No change

**IMPACTS:**  
Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact. No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.2**  
Sensitivity: **3.33**  
Ranking: **0.67**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Vaccinate animals/livestock
3. Construct pipe distribution system

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**Shelter**

Initiative by **ARCADIS** with UN-Habitat

**B. Daklomrg (1704039)**  
Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **167**  
Main ethnic group: **Tarxiang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >60  
46% 17% 12% 17%  
54% 10% 27% 10%

**Ecosystem & Services:**  
- Livestock  
- Coffee

**Sources of Income:**  
- Agriculture  
- Livestock

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: Eye, Mite  
Vector-borne: Dengue, Encephalitis

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

Every 3-5 years  
House Income  
Not changing

**DRY SEASON**  
Slight increase  
No change

**WET SEASON**  
Slight increase  
No change

**IMPACTS:**  
Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact. No negative impact.

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.4**  
Sensitivity: **3.6**  
Ranking: **1.44**

**PRIORITIES & NEEDS**

- Construct water facility (boothole)
- Build latrine (Health)
- Vaccinate animals/livestock

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**B. Dakker (1704040)**  
Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **882**  
Main ethnic group: **Tarxiang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 0-17 18-59 >60  
51% 15% 10% 15%  
49% 10% 15% 16%

**Ecosystem & Services:**  
- Livestock  
- Coffee

**Sources of Income:**  
- Livestock  
- Casual labor

**Education:**  
- Kindergarten  
- Primary  
- High school

**Basic Services**

**HEALTH**

Water-borne: Eye  
Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods

No droughts

Never  
No impact

**DRY SEASON**  
Slight increase  
Slight Decrease

**WET SEASON**  
Slight increase  
Slight increase

**IMPACTS:**  
Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact. No negative impact.

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.7**  
Sensitivity: **2.63**  
Ranking: **1.84**

**PRIORITIES & NEEDS**

- Construct water facility (boothole)
- Build latrine (Health)
- Vaccinate animals/livestock

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### B. Daknong (1704046) Samsay District, Attapeu

#### DEMOGRAPHICS

Population (2017): **659**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-59 >60  
50% 18% 17% 15%  
50% 17% 18% 15%

#### Ecosystem & Services:

- Livestock
- Coffee

#### Sources of Income:

- Agriculture
- Livestock

#### Education:

- Kindergarten
- Primary

#### Basic Services

#### HEALTH

Water-borne: Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis Malaria
---	--

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

**No floods**

**1 every 3-5 years  
Water Crisis  
Not changing**

**1 every 3-5 years  
Income  
Not changing**

**No Landslides**

**DRY SEASON**

Slight increase

**WET SEASON**

No change

**IMPACTS:**  
Health / Agriculture

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

No positive impact. No negative impact.

##### Hydropower impacts

No hydropower dam.

##### Mining impacts

No mining activity.

#### VULNERABILITY INDEX

Hazard Intensity: **0.67**  
Sensitivity: **3.1**  
Ranking: **2.07**

#### PRIORITIES & NEEDS

1. Construct water facility (boothole)
2. Build latrine (Health)
3. Vaccinate animals/livestock

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### B. Darkpökkao (1704046) Samsay District, Attapeu

#### DEMOGRAPHICS

Population (2017): **343**  
Main ethnic group: **Alak**  
Other ethnic group: **None**  
Religion: **Animism**

AGE: 5-17 18-59 >60  
47% 16% 17% 14%  
53% 16% 16% 15%

#### Ecosystem & Services:

- Coffee

#### Sources of Income:

- Livestock
- Casual labor

#### Education:

- Primary

#### Basic Services

#### HEALTH

Water-borne: Diarrhea Eye Skin	Vector-borne: Dengue Encephalitis
---	---

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

**No floods**

**No droughts**

**1 every 3-5 years  
Home  
Income  
Not changing**

**House  
People Injured**

**DRY SEASON**

Slight increase

**WET SEASON**

Slight increase

**IMPACTS:**  
Health / Agriculture / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

No positive impact. No negative impact.

##### Hydropower impacts

No hydropower dam.

##### Mining impacts

No mining activity.

#### VULNERABILITY INDEX

Hazard Intensity: **0.7**  
Sensitivity: **3.33**  
Ranking: **2.33**

#### PRIORITIES & NEEDS

1. Construct water facility (boothole)
2. Build latrine (Health)
3. Vaccinate animals/livestock

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**Shelter**

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**B. Dakdor (170454B)**  
Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **666**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**



**Ecosystem & Services:**  
- Coffee

**Sources of Income:**  
- Livestock

**Education:**  
- Primary incomplete



**HEALTH**

**Water-borne:** Diarrhea, Eye, Skin, Malaria  
**Vector-borne:** Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**  
**1 every 10 years Water Loss severe**  
**1 every 10 years Home Income Loss frequent**

**DRY SEASON**  
Slight increase  
Slight increase

**WET SEASON**  
Slight increase  
Slight increase

**IMPACTS:** Health / Agriculture / Livestock

**No Landslides**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ More agricultural land (+)  
No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.87**  
 Sensitivity: **3.73**  
 Ranking: **3.24**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Health)
3. Vaccinate animals/livestock

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**B. Dakyok (170405B)**  
Sansay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **461**  
Main ethnic group: **Tariang**  
Other ethnic group: **None**  
Religion: **Animism**



**Ecosystem & Services:**  
- Livestock  
- Coffee

**Sources of Income:**  
- Subsistence agriculture  
- Livestock

**Education:**  
- Primary



**HEALTH**

**Water-borne:** Diarrhea, Eye  
**Vector-borne:** Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**  
**1 every 3-5 years Water Pool Crops Not changing**  
**1 every 3-5 years Income Not changing**

**DRY SEASON**  
Slight increase  
Slight increase

**WET SEASON**  
Slight Decrease  
Slight Decrease

**IMPACTS:** Health / Livestock

**No Landslides**

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
No positive impact  
No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.77**  
 Sensitivity: **3.53**  
 Ranking: **2.71**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Health)
3. Vaccinate animals/livestock

Logos: UN-Habitat, Adaptation Fund

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**B. Dakset** (1704052)  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **180**  
Main ethnic group: **Tariang**  
Other ethnic group: **Alak**  
Religion: **Animism**

AGE: 5-17 18-59 +60  
23% 0% 0% 23%  
18% 0% 0% 18%

**Ecosystem & Services:**  
- Livestock  
- Coffee

**Sources of Income:**  
- Livestock

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: **Eye**      Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**1 every 3-5 years  
Water Crops  
Not changing**

**1 every 3-5 years  
Homes Income  
Not changing**

**No Landslides**

**DRY SEASON**

Slight increase

Slight increase

**WET SEASON**

Slight increase

Slight increase

**IMPACTS:**  
Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

No positive impact      No negative impact

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.87**  
Sensitivity: **3.6**  
Ranking: **3.12**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Health)
3. Vaccinate animals/livestock

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**B. Daksem** (1704053)  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **389**  
Main ethnic group: **Alak**  
Other ethnic group: **Tariang**  
Religion: **Animism**

AGE: 5-17 18-59 +60  
43% 15% 10% 8%  
57% 27% 25% 11%

**Ecosystem & Services:**  
- Maize  
- Livestock  
- Coffee

**Sources of Income:**  
- Livestock  
- Casual labor

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: **Allergies, Diarrhea, Eye, Skin**      Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

**No floods**

**1 every 3-5 years  
Water Crops  
Less severe**

**1 every 3-5 years  
Infrastructure  
Less frequent**

**No Landslides**

**DRY SEASON**

Slight increase

Slight increase

**WET SEASON**

Slight increase

Slight increase

**IMPACTS:**  
Health / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

No positive impact      No negative impact

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.73**  
Sensitivity: **3.47**  
Ranking: **2.54**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Health)
3. Vaccinate animals/livestock

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**Shelter**

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**B. Daksamore (1704054)**  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **696**

Main ethnic group: **Tariang**

Other ethnic group: **None**

Religion: **Animism**



**Ecosystem & Services:**

- Livestock
- Coffee

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye, Skin

Vector-borne: **None**

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- No floods**
- 1 every 3-5 years Water Flood Crisis** (Less severe)
- 1 every 3-5 years Infrastructure** (Less frequent)
- No Landslides**

**DRY SEASON:** Slight increase, Slight Decrease

**WET SEASON:** Slight increase, Some decrease

**IMPACTS:** Health / Agriculture

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact, No negative impact

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.13**

Sensitivity: **3.37**

Ranking: **7.18**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Health)
3. Vaccinate animals/livestock

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**B. Mai (1704059)**  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **656**

Main ethnic group: **Brao**

Other ethnic group: **Laos**

Religion: **Animism**

Age: 0-17: 52%, 18-59: 27%, 60+: 21%

Gender: 48% (Male), 52% (Female)



**Ecosystem & Services:**

- None

**Sources of Income:**

- Livestock
- Casual labor

**Education:**

- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye

Vector-borne: Dengue, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

- 1 every 3-5 years Houses** (Livelihoods, Health) (Less severe)
- 1 every 3-5 years Water Flood Crisis** (Less severe)
- 1 every 3-5 years Houses** (Infrastructure) (Less frequent)
- No Landslides**

**DRY SEASON:** Slight increase, Significant decrease

**WET SEASON:** Slight Decrease, Slight Decrease

**IMPACTS:** Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts:** No positive impact, No negative impact

**Hydropower impacts:** No hydropower dam

**Mining impacts:** No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.17**

Sensitivity: **3.6**

Ranking: **4.2**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Health)
3. Vaccinate animals/livestock

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### B. Tathkoom (1704060) Samsay District, Attapeu

#### DEMOGRAPHICS

Population (2017): 443  
Main ethnic group: Brao  
Other ethnic group: Lao  
Religion: Animism

AGE: 5-17 18-59 +60  
52% 71% 89% 15%  
48% 67% 86% 12%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Agriculture  
- Livestock

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye, Skin  
Vector-borne: Dengue, Malaria

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

1 every 3-5 years  
Houses  
Livelihoods  
Less severe

1 every 3-5 years  
Food  
Crops  
More severe

1 every 3-5 years  
Homes  
Infrastructure  
Not changing

No Landslides

**DRY SEASON**

Slight increase  
Slight Decrease

**WET SEASON**

Slight increase  
Slight Decrease

**IMPACTS:**  
Health / Water / Livestock

#### ENVIRONMENTAL ISSUES

**Deforestation impacts**

No positive impact. No negative impact.

**Hydropower impacts**

No hydropower dam.

**Mining impacts**

No mining activity.

#### VULNERABILITY INDEX

Hazard Intensity: 2.73  
Sensitivity: 3.6  
Ranking: 9.84

#### PRIORITIES & NEEDS

- Construct water facility (boothole)
- Build latrine (Health)
- Vaccinate animals/livestock

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### B. Pheerkeo (1704061) Samsay District, Attapeu

#### DEMOGRAPHICS

Population (2017): 439  
Main ethnic group: Brao  
Other ethnic group: Lao  
Religion: Animism

AGE: 5-17 18-59 +60  
50% 64% 83% 13%  
100% 87% 77% 25%

**Ecosystem & Services:**  
- None

**Sources of Income:**  
- Subsistence agriculture  
- Casual labor

**Education:**  
- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye  
Vector-borne: None

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

1 every 3-5 years  
Houses  
Livelihoods  
Health  
Less severe

1 every 3-5 years  
Water  
Crops  
Less severe

1 every 3-5 years  
Homes  
Less frequent

No Landslides

**DRY SEASON**

Some increase  
Some increase

**WET SEASON**

Some increase  
Some increase

**IMPACTS:**  
Health / Livestock

#### ENVIRONMENTAL ISSUES

**Deforestation impacts**

No positive impact. More flooding (-)

**Hydropower impacts**

No hydropower dam.

**Mining impacts**

No mining activity.

#### VULNERABILITY INDEX

Hazard Intensity: 1.53  
Sensitivity: 3.57  
Ranking: 5.47

#### PRIORITIES & NEEDS

- Construct water facility (boothole)
- Vaccinate animals/livestock

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**Shelter**

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**B. Phouxai (1704052)**  
Samsay District, Attapeu

**DEMOGRAPHICS**

Population (2017): **968**  
Main ethnic group: **Tariang**  
Other ethnic group: **Alak, Brao**  
Religion: **Animism**



**Ecosystem & Services:**  
- None

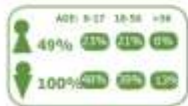
**Sources of Income:**  
- Subsistence agriculture  
- Livestock

**Education:**  
- Kindergarten  
- Primary



**HEALTH**

Water-borne: Diarrhea, Eye  
 Vector-borne: None



**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

No floods  
 No droughts  
 1 every 10 years Home Income Less frequent

No Landslides

**DRY SEASON**  
Slight increase  
Some increase

**WET SEASON**  
Slight increase  
Some increase

**IMPACTS:**  
Health / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ Industrial develop (+)  
No negative impact

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **0.8**  
 Sensitivity: **3.47**  
 Ranking: **2.77**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Health)
3. Vaccinate animals/livestock

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**B. Vongsay (1705026)**  
Phouvong District, Attapeu

**DEMOGRAPHICS**

Population (2017): **824**  
Main ethnic group: **Brao**  
Other ethnic group: **Tariang**  
Religion: **Animism**



**Ecosystem & Services:**  
- Rice  
- Maize  
- Livestock  
- Grass  
- Vegetables  
- Wood  
- Stream

**Sources of Income:**  
- Agriculture  
- Subsistence agriculture  
- Livestock

**Education:**  
- Primary



**HEALTH**

Water-borne: Allergies, Diarrhea, Eye, Skin  
 Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

1 every 3-5 years livelihoods Health More severe  
 1 every 3-5 years Water Pool Crops Less severe  
 More than 1 per year Income More frequent

No Landslides

**DRY SEASON**  
Significant increase  
Significant decrease

**WET SEASON**  
Significant decrease  
Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**  
+ Industrial develop (+)  
+ More agricultural land (+)  
More flooding (-)  
Loss of biodiversity (-)  
Erosion (-)  
Less food sources (-)

**Hydropower impacts**  
No hydropower dam

**Mining impacts**  
No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.43**  
 Sensitivity: **3.17**  
 Ranking: **7.71**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system
2. Build latrine (Sanitation)

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### B. TaOum (1705012) Phouvong District, Attapeu

#### DEMOGRAPHICS

Population (2017): **502**  
Main ethnic group: **Brao**  
Other ethnic group: **Laos**  
Religion: **Buddhism, Animism**

AGE: 5-17 18-54 >54  
52% 25% 21% 0%  
48% 27% 15% 0%

#### Ecosystem & Services:

- Rice
- Livestock
- Grains
- Grass
- Vegetables
- Wood

#### Sources of Income:

- Subsistence agriculture
- Livestock
- RTTP

#### Education:

- Primary incomplete

#### Basic Services

#### HEALTH

Water-borne: **None**      Vector-borne: **Dengue, Encephalitis, Malaria**

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

1 every 3-5 years  
**Houses**  
Livelihoods  
Less severe

1 every 3-5 years  
**Water**  
Food  
Crops  
Less severe

More than 1 per year  
**Homes**  
Infrastructure  
Income  
More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant decrease  
Significant decrease      Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

+ Industrial develop (+)      More flooding (-)  
Loss of biodiversity (-)  
Erosion (-)  
Less food sources (-)

##### Hydropower impacts

No hydropower dam

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: **2.1**  
Sensitivity: **3.17**  
Ranking: **6.65**

#### PRIORITIES & NEEDS

1. Construct water facility (boothole)
2. Build latrine (Sanitation)

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### B. Vonglakone (1705014) Phouvong District, Attapeu

#### DEMOGRAPHICS

Population (2017): **510**  
Main ethnic group: **Brao**  
Other ethnic group: **Laos, Oy**  
Religion: **Animism**

AGE: 5-17 18-54 >54  
27% 0% 21% 0%  
48% 27% 15% 0%

#### Ecosystem & Services:

- Rice
- Maize
- Livestock
- Grass
- Vegetables
- Wood
- Stream
- River

#### Sources of Income:

- Subsistence agriculture
- Livestock
- RTTP

#### Education:

- Primary

#### Basic Services

#### HEALTH

Water-borne: **Albergia, Diarrhea, Eye, Skin**      Vector-borne: **Dengue, Encephalitis, Malaria**

#### CLIMATE CHANGE & DISASTERS

Changes over the past 30 years

1 every 3-5 years  
**Houses**  
Livelihoods  
Health  
Less severe

1 every 3-5 years  
**Water**  
Food  
Crops  
Less severe

More than 1 per year  
**Homes**  
Income  
More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant decrease  
Significant decrease      Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

#### ENVIRONMENTAL ISSUES

##### Deforestation impacts

+ Industrial develop (+)  
+ More agricultural land (+)      More flooding (-)  
Loss of biodiversity (-)  
Erosion (-)  
Less food sources (-)

##### Hydropower impacts

No positive impact      Changing river flows (-)  
Water availability (-)

##### Mining impacts

No mining activity

#### VULNERABILITY INDEX

Hazard Intensity: **1.77**  
Sensitivity: **3.53**  
Ranking: **6.24**

#### PRIORITIES & NEEDS

1. Construct pipe distribution system
2. Build latrine (Sanitation)

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## B. Vongsomphou (1705020) Phouvong District, Attapeu

**DEMOGRAPHICS**

Population (2017):  
**1613**  
Main ethnic group:  
Brao  
Other ethnic group:  
Lao  
Religion:  
Buddhism, Animism



**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Grains
- Grass
- Vegetables
- Wood
- Stream

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock

**Education:**

- Primary
- High school



**HEALTH**

**Water-borne:** Allergies, Diarrhea, Eye, Skin

**Vector-borne:** Dengue, Encephalitis, Malaria

### CLIMATE CHANGE & DISASTERS

**Changes over the past 30 years**

- 1 every 3-5 years** House livelhoods Health More severe
- 1 every 3-5 years** Water Food Crops Less severe
- More than 1 per year** House Infrastructure Life Income More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant decrease  
 Significant decrease      Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**No Landslides**

### ENVIRONMENTAL ISSUES

**Deforestation impacts**

No positive impact

- More flooding (-)
- Loss of biodiversity (-)
- Landslides
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

### VULNERABILITY INDEX

**Hazard Intensity:** 2.433333333

**Sensitivity:** 2.766666667

**Ranking:** 6.732222222

### PRIORITIES & NEEDS

1. Construct pipe distribution system
2. Build latrine (Sanitation)



## B. Phousay (1705024) Phouvong District, Attapeu

**DEMOGRAPHICS**

Population (2017):  
**309**  
Main ethnic group:  
Brao  
Other ethnic group:  
Lao, Tariang  
Religion:  
Buddhism, Animism



**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Grass
- Vegetables
- Wood
- Stream
- Water spring

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock

**Education:**

- Primary



**HEALTH**

**Water-borne:** Allergies, Diarrhea, Eye, Skin

**Vector-borne:** Dengue, Encephalitis, Malaria

### CLIMATE CHANGE & DISASTERS

**Changes over the past 30 years**

- 1 every 3-5 years** House livelhoods Health Less severe
- 1 every 3-5 years** Water Food Crops Less severe
- More than 1 per year** House Infrastructure Income More frequent

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant decrease  
 Significant decrease      Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**No Landslides**

### ENVIRONMENTAL ISSUES

**Deforestation impacts**

+ Industrial develop (+)  
 + More agricultural land (+)

- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

### VULNERABILITY INDEX

**Hazard Intensity:** 1.77

**Sensitivity:** 3.1

**Ranking:** 5.48

### PRIORITIES & NEEDS

1. Construct water facility (boothole)
2. Build latrine (Sanitation)





**B. Vungkhan (1703026)**  
Phouvong District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1914**  
Main ethnic group: **Brao**  
Other ethnic group: **Leo, Tariang**  
Religion: **Buddhism, Animism**

AGE: 5-17 18-54 >54

48% 22% 10% 7%

52% 27% 21% 9%

**Legend:**  
 Road network: Road, Trail  
 Communication Network: Public Electricity on Grid, Public Water station  
 Basic facilities: Health Centre, Primary School, Shelter facilities  
 Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Grains
- Grass
- Vegetables
- Wood
- Stream

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Manufacture

**Education:**

- Kindergarten
- Primary

**Basic Services**

**HEALTH**

Water-borne: Diarrhea, Eye  
 Vector-borne: Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 every 3-5 years: **livelihoods** (Health: Less severe)
- 1 every 3-5 years: **Water** (Food: Crop: Less severe)
- More than 1 per year: **Homes** (Infrastructure: Income: More frequent)

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant decrease

Significant decrease      Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + Charcoal production (+)
- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **2.77**

Sensitivity: **2.9**

Ranking: **8.02**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Sanitation)

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**B. Khamvongsa (1705027)**  
Phouvong District, Attapeu

**DEMOGRAPHICS**

Population (2017): **1373**  
Main ethnic group: **Brao**  
Other ethnic group: **Leo, Cheng**  
Religion: **Animism**

AGE: 5-17 18-54 >54

50% 24% 20% 6%

50% 24% 20% 6%

**Legend:**  
 Road network: Road, Trail  
 Communication Network: Public Electricity on Grid, Public Water station  
 Basic facilities: Health Centre, Primary School, Shelter facilities  
 Water facilities: Gravity feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Maize
- Livestock
- Grains
- Grass
- Vegetables
- Wood
- Stream
- River

**Sources of Income:**

- Agriculture
- Subsistence agriculture
- Livestock
- Manufacture
- Trade
- RTFP

**Education:**

- Kindergarten
- Primary
- High school

**Basic Services**

**HEALTH**

Water-borne: **None**  
 Vector-borne: Dengue, Encephalitis

**CLIMATE CHANGE & DISASTERS**  
Changes over the past 30 years

- 1 every 3-5 years: **Houses** (livelihoods: Health: Less severe)
- 1 every 3-5 years: **Water** (Food: Crop: Less severe)
- More than 1 per year: **Homes** (Income: Crop: More frequent)

**DRY SEASON**      **WET SEASON**

Significant Increase      Some decrease

Significant decrease      Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + Charcoal production (+)
- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.77**

Sensitivity: **1.6**

Ranking: **2.83**

**PRIORITIES & NEEDS**

1. Construct water facility (boothole)
2. Build latrine (Sanitation)

**UN-HABITAT** FOR A BETTER URBAN FUTURE

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**B. Makkheng** (1705027007)  
Phouvong District, Attapeu

**DEMOGRAPHICS**

Population (2017):  
**594**  
Main ethnic group:  
**Brao**  
Other ethnic group:  
**Laos, Sapouan**  
Religion:  
**Buddhism, Animism**

Age: 0-17 18-59 >60  
50% 24% 26% 0%  
50% 24% 26% 0%



**Legend:**

- Head network:** Road, Trail
- Communication Network:** Public Electricity on Grid, Public Phone register
- Basic facilities:** Health Centre, Primary School, Shelter facilities
- Water facilities:** Gravity feed system, Deep Well

**Ecosystem & Services:**

- Rice
- Livestock
- Grass
- Vegetables
- Wood
- Stream

**Sources of Income:**

- Subsistence agriculture
- Livestock
- Trade
- NTFF

**Education:**

- Primary

**Basic Services**



**HEALTH**

**Water-borne:** Allergies, Diarrhea, Eye, Skin

**Vector-borne:** Dengue, Encephalitis, Malaria

**CLIMATE CHANGE & DISASTERS**

Changes over the past 30 years

1 every 3-5 years  
**Houses**  
Livelihoods  
Health  
Less severe

1 every 3-5 years  
**Water**  
Food  
Crops  
Less severe

More than 1 per year  
**Homes**  
Income  
More frequent

No Landslides

**DRY SEASON**      **WET SEASON**

Significant Increase      Significant decrease

Significant decrease      Significant decrease

**IMPACTS:**  
Health / Water / Agriculture / Livestock

**ENVIRONMENTAL ISSUES**

**Deforestation impacts**

- + Industrial develop (+)
- + Charcoal production (+)
- + More agricultural land (+)
- More flooding (-)
- Loss of biodiversity (-)
- Erosion (-)
- Less food sources (-)

**Hydropower impacts**

No hydropower dam

**Mining impacts**

No mining activity

**VULNERABILITY INDEX**

Hazard Intensity: **1.77**

Sensitivity: **3.4**

Ranking: **6.01**

**PRIORITIES & NEEDS**

1. Construct pipe distribution system





## COLOPHON

MIDTERM EVALUATION ENHANCING THE CLIMATE AND DISASTER RESILIENCE OF THE MOST  
VULNERABLE RURAL AND EMERGING HUMAN SETTLEMENTS IN LAO PDR  
A SHELTER MISSION TO LAO PDR, INCLUDING FIELD VISIT

### CLIENT

UN-Habitat

### AUTHOR

Bram Masseur

### OUR REFERENCE

### DATE

3 May 2019

### STATUS

Final

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