

ACEH FOREST & ENVIRONMENT PROJECT

Conserving Forests - Protecting Life

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Executive Summary

From the Ulu Masen Ecosystem

FFI-AFEP continued to build on previous successes in creating alternative, environmentally-friendly employment for former combatants, illegal loggers and wildlife poachers through its Community Ranger programme. During this Quarter, rangers patrolled 87 km of forest, collecting monitoring data on forest and ecosystem service threats. To further strengthen networks across Ulu Masen to tackle illegal logging, FFI-AFEP conducted a strategic meeting with *Polres*, the Military police, local NGOs and *Dishutbun*. As a result, several FFI-AFEP forest crime reports led to on-the-ground action in the districts of Pidie, Pidie Jaya and Aceh Besar. From 17 reported cases of illegal logging and land encroachment, 5 trucks, 1 motor bike, 5 chainsaws and 109 m³ of timber were confiscated. Training of rangers (*pamhut*) from the Aceh Forestry Agency ranger (*Dinas Kehutanan dan Perkebunan - Dishutbun*) continued, with 30 rangers from Pidie District graduating. These rangers immediately put their new skills to good use by working with 25 villagers to completely extinguish a pine forest fire over 5 days.

Ongoing empowerment and support for forest-edge communities to safeguard their livelihoods and ensure food security was achieved by the Pidie and Aceh Jaya Conservation Response Units (CRUs) preventing 27 cases of attempted elephant crop raids into local farmlands. The Mukim governance and livelihood programme strengthened another 4 Mukim (involving 240 villages). To provide future revenue streams and enhanced support through sustainable financing mechanisms being developed for Ulu Masen, profiles and natural resource use assessments were completed for all 450 villages and 60 Mukims from 6 districts. A milestone was achieved in the Ulu Masen environmental education work. In partnership with the Education Agency (*Dinas Pendidikan*), an MoU was signed between FFI and 9 high schools to officially trial AFEP's material for the Aceh education curriculum. To spread the message further, 14 new eco-clubs were established across Ulu Masen with 810 new members.

From the Leuser Ecosystem

LIF-AFEP continued forest monitoring using Village Monitoring Teams (VMT) and Mobile Conservation Units (MCU). 13 VMTs were active in 30 villages. 26 villagers participated 130 man-days spent in patrolling the village-edge forests. 10 MCU operated. 97 illegal activities recorded (85 illegal logging and 9 encroachments). The information lead to action by BKSDA 5 chain saws confiscated. Two cases of Sumatran tiger poaching and trade of animal parts, were also reported to the authorities. Ecosystem assessment and monitoring was also carried out through large mammal survey, during the quarter teams completed survey in seven grids covering an area of 7000 s km. Basic navigation training provided to *pamhutin* districts Subbulusalam and Nagan Raya. In all 64 personnel trained which included 8 women candidates, two civil servants from local government and 4 NGOs. Basic navigation training included one-day theory and three days of practical training. So far during the year 266 candidates have been trained. AFEP-GIS unit produced and provided 98 monitoring maps for various stakeholders. Spatial plans completed in Lokop cluster (15 villages) and partially completed in Mangamat region (13 villages socio economic data). AFEP facilitated meetings for local NGOs and stakeholders, to draw up recommendation for provincial spatial plans (RTRWP). BEPPEDA and Aceh green are coordinating the provincial and district spatial plans. 17 news articles appeared in national and local media covering various aspects about AFEP-LIF. Leuser text book (*Buku ajar Leuser*) revision completed, Dinas Pendidikan has recommended the book as *muatan local* (Local educational material). 31 new eco-clubs in three districts (A. Selatan, Abdiya and Nagan Raya) established with 1372 members. During the quarter mobile awareness team covered 21 villages (3 districts) provided environmental awareness information to around 1200 villagers. Under AFEP-ICRAF collaborative programme, 23 high quality seedling nurseries established. 294 villagers benefited (134 men and 160 women). So far 216,858 clones distributed out of which 134,630 surviving. Planting completed in 171.8 ha and 1064 ha of critically degraded land identified in 5 districts and rehabilitation proposals being prepared. Two new micro-credit unions initiated in district Abdia and Naganraya.

COMPONENT 1. EFFECTIVE PROTECTION AND SUSTAINABLE MANAGEMENT OF LEUSER AND ULU MASEN ECOSYSTEMS

Key objective 1. Leuser and Ulu Masen forest monitoring and protection systems and procedures are strengthened and implemented.

Key performance indicators (numbered):

1. Community participation in joint monitoring activities

From the Leuser Ecosystem

During Q3, 13 Village Monitoring teams (VMTs) worked in 9 of the 13 districts (30 villages) surveying village forest areas for natural resource potential and patrolling the forests with volunteers from village. This will help in establishing village forest protection committees and subsequently develop village *qanun* for forest protection. Each VMT consists of 2 LIF staff, 2 villagers and 2 members of the Forestry Police as assigned by the Forestry Service or BTNGL or BKSDA. The VMT traversed forests claimed to be village forests (*Hutan Adat*). During reporting quarter teams had spent 130 man-days surveying the village forests. Each team spent around 10 days in each village, socializing the concept of conservation and forest protection. Because of fund flow problem only one-month fieldwork was conducted.

During the quarter ten (10) Mobile Conservation Units (MCU's) were active in around LE area. These units work in close collaboration with *Polhut* to monitor and report illegal activities related to forests. During July - August 2009 the teams have recorded 97 cases of illegal activities and reported to District authorities. The illegal activities detected include In *A.Selatan* district and *Subulussalam* **85 cases of Illegal Logging involving around ± 93.5 tons wood and 9 cases of encroachments with ± 40 ha area recorded in Leuser.** BKSDA resort *A.Singkil* has initiated action and confiscated 5 chain saws from the conservation area *sukamarga satwa* protected area. Mobile conservation unit also informed BKSDA about a tiger trapped in pig snare in village *Sikarband* district *Subbusalam*. Subsequently the animal was rescued by BKSDA with the help of local communities. MCU successfully investigated illegal 'tiger products' trade. Poisoning the *Caracas* killed the tiger. The animal bones were later sold to market in nearby market for 8.00 millions. BKSDA detained one person and pursuing the case. Elephant patrol unit in *A.Tamiang* conducted regular patrols in BTNGL areas for 9 days and no major criminal activities were recorded in the adjoining area of National park. The elephant patrol unit was very active in defending the forest boundaries in areas around river *Besitang*. These low-lying areas are prone for encroachments.

During July-September the biodiversity teams surveyed 7 grids covering an area of 7000 km². The teams surveyed for 19 days and covered the grids, recorded presence absence of large mammals, human disturbances. The data will be used to assess density of prey availability, human threats and tiger population. The teams have encountered tiger signs in two grids.

From the Ulu Masen Ecosystem

Community Ranger establishment

In order to create environmentally-friendly employment that also empowers local communities to be involved in forest management and protection, FFI-AFEP has been working on various initiatives at the Mukim level, including the establishment of Community Forest Rangers. As previously reported, these rangers consist of community members from different backgrounds, including ex-illegal loggers, ex-wildlife poachers

and ex-combatants.

During Q3, rangers in Blang Raweu Mukim conducted a survey of a new patrol route in the vicinity of Blang Raweu. The survey team trekked 61 km over the course of a 10 day patrol. This new route will be the main route for patrolling and forest monitoring. The route also has potential as a tourism trekking route and the initial round of patrols are identifying potential points of interest for tourist trekkers. The Purba Rangers (n = 16, including 2 FFI-AFEP staff) patrolled 26 km over 10 days, recording forest disturbance locations.

Camera trapping – National Geographic USA

Camera trapping is one of the methods of the project to identify and monitor forest condition, including biodiversity. FFI-AFEP has been facilitating the work of a senior National Geographic photographer (Bapak Steve Winter) to set camera traps in the Ulu Masen forest. FFI-AFEP staff and community rangers have received training from the National Geographic team in the use of camera traps for monitoring. Two camera trap sites (Mane and Lhoong) were selected and the community rangers assigned to regularly visit the camera traps and carry out necessary maintenance. In addition, 40 camera traps were procured by FFI-AFEP during Q3 to established a robust forest, wildlife and threat monitoring system, in partnership with Dishutbun and the Community Rangers, in priority locations across Ulu Masen.

Biodiversity survey

Governor Irwandi recently stated that all wildlife transfers out of Aceh should be stopped and that all animals caught in Aceh must be released within the province. Since 2000, rehabilitation of orangutans confiscated in Aceh has had to take place in Bukit Tigapuluh National Park, Jambi. The announcement that the Governor of Aceh will establish facilities for rehabilitating orangutans within the province offers an opportunity to use a small amount of AFEP funds to leverage greater funds for wildlife and forest protection, in partnership with provincial and national partners.

Orangutan surveys were conducted by FFI in 10 survey sites throughout the districts of Pidie, Pidie Jaya and Aceh Jeumpa. A line transect method was used to count nests and interviews were conducted with local people in the area. 12 nests were found in secondary forest near to the villages of Geumue in subdistrict Mane in Pidie District. The finding indicated the importance of Ulu Masen as a habitat for the critically endangered orangutan species and this will help to justify a stronger legal protection status under Indonesian law for this area.

2. Provide logistical support and facilities

From the Leuser Ecosystem

Equipments required and procured for the project during the reporting period appended in component 3. There was not much progress in getting the micro-light aircrafts from the Singapore airport.

From the Ulu Masen Ecosystem

No new facilities this quarter.

3. Fifteen trainees from conservation agency staff will receive advanced training in forest crime prevention and detection

From the Leuser Ecosystem

Shortage of Crime investigators (Pendydik Pegawai Negari Sivil PPNS) was identified as one of the prime reasons for poor prosecution of detected and reported illegal activities. AFEP had series of discussion with *Dishutbun* and other conservation related departments, to conduct specialized training for crime investigation. Forest department, environment agency, Leuser National Park (BTNGL) and BKSDA agreed for sponsoring candidates for PPNS training. National Police School (SPN) Suelawah Banda Aceh was has been identified as suitable institute for conducting the training programme. In consultation with SPN course schedule, material and logistic details have been finalized. AFEP has planned to train forty (40) candidates from 13 districts and province. The training programme is expected to start in Q4.

From the Ulu Masen Ecosystem

Partnerships with local NGOs and coordination with stakeholders

In addition to working with the police, *Dishutbun*, forest rangers and local communities, FFI-AFEP has been working with local NGOs as part of the strategy to reduce illegal logging and other forest crimes and ensure sustainability of the project. FFI have been developing the capacity of partner NGOs and facilitating them to develop a better relationship with Police and the Forestry Department.

In August 2009, FFI's forest crime and investigation coordinator conducted a strategic meeting with *Polres*, the Military police, local NGOs and *Dishutbun* in Pidie District. This meeting aimed to strengthen networks to tackle illegal logging and wildlife trade monitoring. As a result of the meeting participants have increased their levels of communication and in future these meeting will be held each quarter.

Illegal logging and other forest crime action

As a result of the development of the strong multi-partner network and communications, **several FFI-AFEP forest crime reports have resulted in on-the-ground action:**

- Pidie District: 10 cases of illegal logging were reported resulting in 1 motor bike, 4 chainsaws and 65 m³ timber being confiscated;
- Pidie Jaya District: 1 case of land encroachment and 1 case of illegal logging were reported, resulting in 1 truck and 3m³ timber being confiscated; and,
- Aceh Besar District: 3 cases of illegal logging and 2 cases of illegal timber piling were reported and these were followed up by the police. From these cases, 4 trucks, 1 chainsaw and 41 m³ timber were confiscated.

Planned road construction

In September 2009, FFI's forest crime and investigation team conducted an investigation into road construction planned from Meredeu to Geumpang that will cut through a primary rainforest-savanah ecosystem in Blang Raweu, Pidie. The investigation revealed that up to 400 ha of protected forest has been converted by PT. Mineral Nusantara. 3 sawmills belonging to the same company were found in the protected forest. These findings have been reported to the Provincial Police Department and several follow up meetings have been held, with ongoing activities continuing into Q 4.

Tiger tracking

In September 2009, the signal from a GPS-collared wild tiger released back into the Ulu Masen, at the request of the Government of Aceh, indicated that the tiger had died. The

investigation team was sent to track the last point of the GPS collar. With help from radio receivers the team was able to locate the collar signal in a villager's house in Meredeu. The team have taken the collar back to Banda Aceh and submitted a report to BKSDA for their further investigation.

4. **95% of forest guards contracted by the provincial forestry service (*Dinas Kehutanan*) receive support**

From the Leuser Ecosystem

5th in series basic navigation training for *polhut* was conducted in Subbulusalam. 34 personnel participated out of which 24 successfully completed training. The participants included 18 *pamhut* from *Dishutbun* 4 *polhut* (*Pagwai Nagari sivil PNS*) and 2 from government of district subbulusalam and 2 persons from local NGO. 6th in series training was conducted in District Nagan Raya. 50 personnel have registered for the training and **40 *polhut* successfully completed training**. GIS and field experts from LIF and two experts from *Dishutbun*, Banda Aceh imparted training. The training included one day of theory and three days of field practical. The participants use navigation skills to record illegal logging, encroachment activities, forest boundaries and geo reference the activity areas. The teams are also trained in handling GPS and which will improve their efficiency and accuracy in map production and documentation. So far during the year 2009, in all 261 persons have been trained in navigation techniques, which includes 250 *polhut* and 16 other personnel from local governments. The trained staffs were provided with compass and basic map drawing material. Forest department has already prepared maps for staff indicating work area.

From the Ulu Masen Ecosystem

The *pamhut* training programme continued with a week long course run for the Pidie rangers. Thirty Rangers (including 5 females) received training (three days in the classroom and four days of practical in the field) delivered by staff of FFI, district government, University Department of Forestry, and the Sumatran Orangutan Conservation Programme. Topics covered basic conservation knowledge, conservation laws and regulations, survey and investigation principles and skills, forest mapping and inventories. During and subsequent to the training, **the *pamhut* trainees responded to a forest fire** in Mukim Beungga, subdistrict Tangse putting their practical skills to good use. Together with 25 members of the local community, the rangers spent 5 days and completely extinguished the fire, which burnt 200 ha of pine forest, but could have been much worse, without the rangers' action.

5. **Two protocols for Human-Wildlife Conflict (HWC) management developed**

From the Leuser Ecosystem

None to report

From the Ulu Masen Ecosystem

Supporting communities to safeguard their livelihoods

To the Ulu Masen forest-edge farming communities, wild elephants posed a significant threat to their crops, homes and life. During Q3, the Conservation Response Units (CRUs) established in Pidie and Aceh Jaya **responded to 27 incidents of human-elephant conflict**. The greatest number of incidents occurred in Aceh Jaya District.

Typically responding to these incidents requires rapid mobilization of CRU staff to the conflict areas to provide support and advice to the communities involved over 2-10 days. In a specific case which occurred in Mukim Sarah Raya, Teunom, the CRU team had to stand by in the Mukim area for one month as elephant lingered near the forest-farmland edge.

Other CRU activities

In addition to responding to human-wildlife conflict, during Q3, the CRUs in Mane and Sampoiniet conducted the following activities:

- Provided support to the RARE pride campaign program in Mane as a part its community education awareness and livelihood program;
- One survey with patrol elephants for a potential ecotourism track;
- One survey for patrol track with patrol elephants;
- CRU Sampoiniet facilitated journalist training in July with media representatives from Aceh; and,
- Elephant medical checkup for CRU patrol elephant in CRU as part of regular quarterly procedures.

A series of strategic meetings were held with the new head of the forestry service in Aceh Barat and the new Camat (Sub-district Government) head in Pante Cermin during August to secure the commitment from local government to support the CRU program in Aceh Barat.

Conflict tiger response

On 24 July, BKSDA responded, backed up by FFI, to the case of an injured female tiger (4-6 months) from South Aceh. Vets from UNSYIAH and Vesswic were involved to amputate the tiger's right foreleg.

6. Field-level monitoring of target areas.

From the Leuser Ecosystem

LIF produced maps for management and monitoring of Ecosystem. LIF had produced 11 maps for Tiger Survey teams. (6 maps location of the tiger release site, 4 tiger survey maps and one for Denver Zoo tiger), 7 maps for the monitoring of elephant conservation location map, 3 maps for VMT, 2 for MCU. Two maps for Livelihoods (1 sheet map of Land Rehabilitation in Gayo Lues and 1 sheet map of Land Rehabilitation in the district of Nagan Raya), Three maps for the division of NGOs. (1 sheet map of North Sumatra KEL, 2 map sheets HGU in Rawa Tripa). 10 maps for Spatial Planning (Map of villages surveyed in District Serbajadi), 38 maps for the LSO (Nagan Raya, Aceh Selatan, Aceh Tenggara and Aceh Tengah, including a map of illegal forestry activities in Leuser Ecosystem), 3 watershed maps for NZAID project, 7 maps for government agencies (for 2 sheet Subulussalam Estate Crops, 2 sheets for Nagan Raya and 3 sheets for Singkil). 1 SPOT imagery for Sustainable Ecosystem Foundation (YEL/Pan ECO). Based on presence absence data core areas for conservation of biodiversity rich areas have been identified. Two (2) maps and 20 Shape files depicting core areas were produced for Wildlife Conservation Society, 2 maps to Garuda Indonesia Airline, 3 maps for internal monitoring. GIS staff also participated in 'Basic navigation training to *Polhut* in district Subbulusalam and district Naganraya to improve navigation skills which will in turn improve monitoring capabilities of forestry staff.

From the Ulu Masen Ecosystem

Community rangers conducted patrols over the course of two weeks per month during Q3 in eight subdistricts providing monthly reports to FFI. In addition, FFI produced the first draft of a deforestation report that mapped forest cover change from 2005-06-07-08. The report will be completed in Q4 and provided to *Dishutbun* and Aceh Green, as part of AFEP's contribution to a Government of Aceh deforestation working group.

Key objective 2. Sustainable forest and ecosystem management institutions developed and operational.

7. Six sub-district zonation/conservation plans developed

From the Leuser Ecosystem

No district zonation plan activity was carried out during the quarter.

From the Ulu Masen Ecosystem

Mukim governance and livelihood programme

Mukim empowerment has been completed in 4 Mukim from Aceh Barat (Darul Ikhsan Tungkop and Lam Teungoh) and Manyang (Pidie Jaya), involving 240 participants. This brings the total number of plans developed for strengthening Mukims around Ulu Masen to 11.

Implementation of the planning process in these Mukim involved the training of 80 local facilitators in participatory planning methods. A trial of a Mukim manual has been completed by Jaringan Kommunitas Masyarakat Aceh (JKMA; Network for Aceh Communities) in one Mukim (Aceh Barat) and has been reviewed by several local experts (Dr. Taqwaddin Husein, Adi Usman Musa, Harley Abdul Muin, Sanusi M. Syarif and Bhakti Siahaan). Based on these reviews, the manual has been edited and redrafted to ensure its suitability for local implementation. Printing of the manual is due to be completed in Q4.

8. Formation of regional multistakeholder bodies¹

From the Leuser Ecosystem

AFEP has consented to work in 5 districts for formation of multistakeholder forums (MSF). Local NGO Aceh Development Forum (ADF), which is active in these districts has been negotiated for establishing MSF. The MSF teams will also participate in spatial planning RTRWP and RTRWK in 2009 and 2010. MSF will be constituted on priority basis in villages with high dependency of people on forests. Two rounds of meetings and consultations were held during the quarter to socialize the concept and spread the awareness amongst various partner stakeholders. It is proposed to set up one MSF at each desa, one MSF at district level and one forum at province level.

¹ The Strategic Forestry Plan for Aceh will be the culmination of the Forestry Redesign process to begin in September 2007. Numbers, role and locations of multi-stakeholder bodies and consultation structures will be informed by this plan.

From the Ulu Masen Ecosystem

Village and Mukim profiling

Data on the location of non-timber forest products (NTFPs), the level of production, the collectors and numbers and types of beneficiaries and the regulations for their collection and the marketing of the resulting products are not well documented in Aceh. Village and Mukim datasheets collected during Q2 on local natural resource use were centrally compiled during Q3, along with the design of a database and beginning of data entry. Initial results show that the primary non-timber forest products (NTFPs) collected are rattan, jernang, honey and gaharu. Project staff (12 people) received training on GIS and participative mapping in Q3 to enable accurate recording of the forest resources in target Mukim locations.

Sustainable Financing Mechanism development support to Government of Aceh

FFI has been supporting the Government of Aceh to capitalize on opportunities for sustainable financing for Ulu Masen forest management through Reducing Emissions from Deforestation and Forest Degradation (REDD) project development linked to future regulatory carbon trading markets. In August, FFI, along with Government of Aceh, Merrill Lynch-Bank of America and Carbon Conservation, participated in the multi-stakeholder International Panel Steering Committee (IPSC) III meeting, held in Banda Aceh. Progress on FFI-AFEP's forest protection and livelihood support work was presented and well received by the participants.

During Q3, a Government of Aceh Task Force for REDD was established by the Governor of Aceh. The Task Force includes six Government of Aceh representatives from the Department of Forestry and the Governor's Economic and Legal Bureaus. **The new FFI-AFEP Forest Carbon Specialist has been working closely with the Government of Aceh Task Force** since late August. FFI's Project Design Specialist for Environmental Markets has also been making regular visits to Aceh to support REDD project development. In November 2008 the Government of Aceh signed a Memoranda of Understanding (MoU) the U.S. states of California, Illinois, and Wisconsin at the Governor's Climate Change Summit, California, along with the Provincial Government of Papua and the Brazilian states of Amapá, Amazonas, Mato Grosso, and Pará. The MOUs provide a foundation for future cooperation on issues related to climate policy, financing, technology exchange, and research. For 2009 and 2010, the parties have agreed to focus on implementing the MOU forest sector provisions, with the overall objective of developing rules to ensure that reduced greenhouse gas emissions from deforestation and forest degradation (REDD) and sequestrations from other forest carbon activities will meet the requirements of emerging greenhouse gas compliance systems. A Governors' Climate & Forests Task Force (GCF) was established as the primary body responsible for implementing the MOU forest sector provisions and is composed of representatives from each of the MOU states/provinces.

A Joint Action Plan was developed to provide a framework for implementing the MOU forest sector provisions during 2009-2010 and three working groups have been established under the GCF for this purpose:

- (1) Project-level standards and criteria for REDD activities (the Protocol);
- (2) Forest carbon accounting frameworks and coordination mechanisms; and,
- (3) Needs assessment, including technical, legal, institutional, and financial needs in the MOU states and provinces for moving toward compliance-grade REDD activities.

10 government representatives and 2 FFI representatives (Forest Carbon Specialist and Project Design Specialist for Environmental Markets) attended the Governor's Taskforce on Climate and Forests (GCF) workshop from 28-30 September, California, on behalf of

the Government of Aceh. The meeting provided a forum for each of the 3 GCF working groups to provide an update on their progress since the previous GCF workshop in Belém, Pará in June 2009.

A key focus of the workshop was on the recent progress of Working Group 1 Project-level standards and criteria for REDD activities. It has been proposed by the working group that pilot projects that could provide a means to trial draft protocol requirements, and Ulu Masen has been recognized as one of six potential pilot project sites for this purpose. The Government of Aceh was also elected to co-chair the GCF Working Group 2 (Coordination Mechanisms and Accounting Frameworks) for the next GCF working period, and was also chosen to host for the next GCF meeting in Banda Aceh in May 2010. This represents a good opportunity for Aceh to continue its international role on REDD and FFI-AFEP has offered its full support to the Government of Aceh.

FFI have provided a grant to the International Development Law Organization (IDLO) to implement two REDD capacity building workshops: one with the Government of Aceh and one with Aceh civil society organizations. Planning for these Q4 workshops is currently underway with support from FFI's communications team.

9. Facilitate legislation of 10 *Mukim* (UM) and 30 Village (*Gampong*) (LE) local-level agreements

From the Leuser Ecosystem

A. Timur, A. Selatan and A. Tengah districts have been finalized for working with village communities to develop village regulations for forest management and conservation. AFEP has completed spatial plans in A. Timur, A. Utara districts village clusters. Village regulations connected with spatial plans are in the negotiation process. The concepts are being socialized.

From the Ulu Masen Ecosystem

The focus of FFI's work with Mukims during Q3 has been on supporting the Seurikat Mukim to document local Mukim regulations for natural resource use. The limited capacity of Mukims and the Mukim association has required continued support from FFI to maintain momentum and ensure outputs are achieved. The documentation process has been completed in each of the 21 Mukims, but the finalisation and reporting process is still in progress.

A provincial level workshop was conducted with 105 people attending from Mukims, NGOs, local groups, provincial and district government, New parliament representatives and university scholars. The workshop, organised jointly by FFI with other local NGOs (GAI, JKMA Aceh, YRBI, SMAJ and Aceh Besar Mukim Forum), was to discuss a strategy for Mukim forest management, including strengthening Mukim capacity, supportive legislation and alternative management systems. The workshop resulted in the formation of a Mukim strengthening working group (KKP Mukim) and follow up recommendations for the group. The working group has met regularly following the workshop to finalise and publish the results of the workshop and organise contributions from members of the workshop towards establishing Mukim Forest Management, including completion of Mukim Management areas mapping in 4 Mukims.

10. Four proposals/requests for external funding of management completed

From the Leuser Ecosystem

None to report

From the Ulu Masen Ecosystem

FFI-AFEP developed and submitted a US\$100,000 funding proposal for Serasi-USAID to support the establishment of a community ranger unit in Aceh Besar. Based on the successes with the other Ulu Masen ranger units, the FFI-AFEP program is now in a position to reach out to youth groups (18-25yrs old) and focus on developing their complementary skill sets through a pilot project. The youth group will form part of a new and exciting Aceh initiative called 'Aceh Conservation' that seeks to empower Acehnese youth with portable skills and provide them will alternative, and environmentally friendly, employment.

COMPONENT 2. INTEGRATION OF ENVIRONMENTAL CONCERNS INTO
ACEH'S RECONSTRUCTION AND DEVELOPMENT PLANNING PROCESS

Key objective 1. Environmental/conservation considerations integrated into spatial planning and development planning.

Key performance indicators (numbered):

- 1. Draft Spatial planning reports (one provincial and seven district) delivered to local and provincial governments**

From the Leuser Ecosystem

Spatial plans completed in the Lokop. The Lokop cluster includes 15 villages in Serbajadi sub district of district A.Timur. Five villages north of Danau Laut Tawar in Kebayakan & Bintan sub districts in A.Tengah; village Pisang in Labuhan Haji subdistrict in A.Selatan and Pengidam in Bandar Pusaka subdistrict in A.Tamiang spatial plans have also been completed. Spatial plan compilation is currently underway in 13 villages in Manggamat cluster, Kluet Tengah subdistrict A.Selatan. Village spatial planning guidelines are also being developed on the experiences from the field work. Pengidam village spatial plan completed by using a participatory approach, involving three important components of village governance (Gampung government, social institutions and village economy). The compilation of spatial plans for 13 villages in the Manggamat cluster, Kluet Tengah sub-district, Aceh Selatan, is partly completed.

AFEP helped BAPPEDA in revising spatial plans to incorporate feedback from public works department (PU) Jakarta. Inventory and maps of HGU and HPH has been discussed with Aceh Green and a detailed verification process was drawn up. Series of meetings were held with Consortium of NGOs for discussing about strategies, preparing for status paper to halt degradation in Rawa Tripa. Based on the inputs received from collaborating NGOs status paper was prepared to submit to Governor, and will be submitted to Governor Aceh for inquiry in to the continued degradation and declare the area as conservation area. Negotiations were held with ASTRA Agro for modifying their planned plantation activities.

From the Ulu Masen Ecosystem

AFEP continued its ongoing efforts to support Government of Aceh provincial and district-level spatial plans. During Q3, FFI-AFEP's spatial planning work focused on ensuring that these plans recognize:

- The Ulu Masen ecosystem as an area of strategic importance; and,
- Mukim customary forest boundaries.

On 22 July 2009, the Forestry Department (Jakarta) held a coordination meeting on development in Aceh related to forests, including the development of roads in forest areas. In preparation for this meeting AFEP prepared technical information, data and analyses concerning the Aceh spatial plan, focusing on the Ulu Masen ecosystem and proposed road development in this area. FFI-AFEP also led a number of preparatory coordination and consultation activities with key agencies and individuals including the Directorate General of Aceh's Forestry Department, the Department of Public Works, District Heads and high-level government officials to agree on a strategy for the coordination meeting in Jakarta. Attendees of this meeting included: FFI, national level Forestry Department representatives, 5 Director Generals of Provincial Aceh agencies, 7 Aceh District Heads, a representative from Parliament, and the Aceh regional task force

team. FFI-AFEP's recommendation was to postpone technical activities, including the issue of roads, until provincial and spatial plans are completed. This recommendation was received by the attendees at the meeting.

Environmental impact assessments (AMDAL)

FFI-AFEP has been working to ensure that AMDALs are carried out for all road and mining developments that potentially will impact on Ulu Masen. Even where roads or mining activities are already delineated in provincial or district/city spatial plans, FFI-AFEP's position is that these roads must pass an AMDAL prior to going ahead. In relation to this issue, FFI-AFEP's Policy Coordinator arranged several meetings with the Head of BAPEDAL (provincial environmental planning agency) and the Head of BAPEDAL's AMDAL division. Significantly, as a result of these meetings a decision was made by BAPPEDA that in future FFI-AFEP would be invited to participation in all environmental impact hearings which have a potential impact to Ulu Masen area.

Key objective 2. Environmental and conservation awareness and education efforts developed.

2. 12 articles per year printed/broadcast in local and/or national media

From the Leuser Ecosystem

17 articles published in newspapers Aceh and Medan. Articles related to the discovery of rare flora, elephant and tiger conflicts, watershed projects, research cooperation with UNSYIAH, Forestry Police Training Navigation, and illegal logging operations in South Singkil.

From the Ulu Masen Ecosystem

22 articles from Ulu Masen were published in news articles, including printed media, radio, television and online media. Topics covered included:

- Pamhut training in Pidie district;
- CRU launch in Mane
- Nature and culture festival in Banda Aceh;
- MoU signing between FFI and 9 senior high schools to apply the local curriculum for environmental education;
- Ramadan environment campaign; and,
- Journalist training (reported by the local and national media including Harian Aceh, Serambi Indonesia, Harian Waspada, Analisa daily, The Globe Journal media online, Aceh TV and SCTV).

National Geographic

To promote the Ulu Masen to national audience, FFI-AFEP assisted National Geographic-Indonesia publicized the Ulu Masen Area in an 'insert' of National Geographic magazine in September 2009. As a result of this publication the Ulu Masen Forest Area has gained wider support and recognition of the importance of the area.

Radio media partnership

FFI has continued collaboration with Radio Baiturrahman Jaya 98,5 FM Banda Aceh on an environmental services campaign. The title of the campaign is "Sahabat Alam" (Friend of Nature) and has a news format feature. Six radio campaigns have been broadcast on: environmental services, human-wildlife conflict and river basin management. "Sahabat Alam" airs during the prime time coverage of 7am every 2nd and

4th Saturday of each month and is then repeated at 9pm. The purpose of the ‘Sahabat Alam’ campaign is to raise public awareness about the function of the Ulu Masen forest as an environmental service. It also to reach a wide audience and to educate them about the importance of protecting Aceh’s forest.

Journalist training – how to accurately and effectively monitor and report environmental issues

The ‘Press’ can be an effective media for reporting environmental degradation caused by illegal logging and other activities and to encourage people to protect the environment, because they feel it is important to them. In order to increase journalists’ capacity to monitor and report on environmental and forest degradation in Aceh, FFI Aceh organized a ‘Training for Journalist who Care for the Environment’. This training aimed to:

- Increase awareness and provide information to journalists on the importance of the environment;
- Motivate press supervision of forest degradation (illegal logging) in protected forest areas, especially in the Ulu Masen area; and,
- Increase journalists’ ability to conduct investigations on report on environment issues.

This event was organized in collaboration with Independent Journalist Alliance (Aliansi Jurnalis Independen - AJI) Aceh and was conducted in Sampoiniet, Aceh Jaya for 5 days in July 2009. 25 journalists attended.

In relation to this training, **FFI also facilitated a fellowship for journalists** to conduct ‘investigative reports on environment issues around Ulu Masen forest’. A fellowship is offered for the 10 best journalists on the training. After conducting investigative reporting, the result of all the reports will published in a book on Ulu Masen forest campaigns.

3. Subgrants with a total value of \$40,000 provided to NGOs

From the Leuser Ecosystem

During the reporting period the following plans: Project from Permata Hijau NGO based in Aceh Timur assisting village communities in developing development plans; Aceh Tamiang, Pengidam village and communities in the area; Aceh.Timur LOKOP(11 villages) projects have been sanctioned. Preparations for implementation initiated. The activities will be implemented in Quartile IV. In district Aceh. Tenggara, NGO Green hill project for village based natural resource management (CBNRM) has been approved. In Nagan Raya, CBNRM cooperation with NGOs Uno Itam has been approved. AFEP has supported LPER (People's Economic Development Institute) in A. Selatan livelihood to produce high yielding corn were assessed.

From the Ulu Masen Ecosystem

The selection process for local NGOs to implement Mukim Planning around Ulu Masen has continued, with a shortlist of 9 NGOs (selected from the 38 applicants) invited to present and discuss their implementation plan and institutional capacity. 4 local NGOs have been selected to receive a small grant to implement Mukim strengthening work, one in each of the four districts - Aceh Besar, Aceh Jaya, Pidie and Pidie Jaya. Training of the local NGOs staff will take place in Q4. Next, a grant was made by FFI-AFEP to the International Development Law Organisation (IDLO) to implement REDD capacity building for representatives from the Government of Aceh and local civil society organizations.

4. Monthly project bulletins delivered

From the Leuser Ecosystem

Leuser Bulletin latest edition was published in July 2009 with the topic of potential of honey production in KEL. Other major topics included Environment Day exhibition with Dutch Cultural Center, Erasmus and Indonesian Environment Week exhibition at the Jakarta Convention Center. Bappedal and AFEP jointly organized the event. The issue also featured articles about Sikundur monitoring as well about Leuser ecosystem as the area of conservation national strategies. Bulletin Leuser August 2009 was published with the topics: Forest and Land Fires in Central Aceh, Anak Gajah in Aras Napal, Climate Change and Carbon Trading, and Chairman of the Board of Trustees visit to YLI Bener Meriah. Around 1200 the newsletter was published and distributed to 65 schools and universities, 74 government institutions in Aceh, North Sumatra and Jakarta, 104 NGOs and community groups in Aceh, North Sumatra and Jakarta as well as 25 community leaders who are associated with conservation.

From the Ulu Masen Ecosystem

FFI printed 3000 copies of its Ulu Masen Bulletin (8th edition) and distributed 1500 copies around the 6 Ulu Masen districts and Banda Aceh to 85 government offices, 22 university faculties, 34 NGOs, 25 media agencies and 60 schools. The 8th edition focused on environmental services from the Ulu Masen area and included a topic on payment for environmental services (PES), as well as wildlife, community forest, environmental policy and environmental issues in northern Aceh.

As mentioned above, National Geographic Indonesia included an 'insert' on Aceh in its September 2009 edition. 40.000 copies of this edition were printed.

5. 500 school teachers trained

From the Leuser Ecosystem

The Leuser text book has been finalized with inputs from Department of education (Dinas Pendidikan), Department religion, Provincial education Quality improvement institute. (LPMP) and selected teachers. Each chapter in the book has been supplemented with articles connected with environment, from Al-Quran. The books were checked for standard competencies prescribed by National Curriculum. Education Department Provincial level has recommended the Leuser text Book as local curriculum. Printing followed by teacher training will be taken up in Q4.

Up to September 2009, in all 31 eco club has been formed, with 1372 student members. 7 Eco Club in the Aceh Selatan district, 2 Eco Club in the Aceh Barat district, 11 Eco club in the Abdya district, 11 Eco Club in the Nagan Raya district. The mobile awareness teams have visited the schools for socialising the concept. Teams follow a standard process to interact and motivate students to participate environment related activities. The process includes :screening movies with environmental issues, presentations and followed by discussions with the teacher and the student. No Fund could be transferred during Q3 because of fund flow problem.

The Awareness team also carried out awareness activity in villages nearby Ecosystem Leuser. During Q3 teams covered 21 villages and given road shows and screening of movies and had informal discussions. **1993 participants attended AFEP awareness programmes** organised by the team. In the Aceh Selatan district, there were 10 villages, Aceh Barat district 2 villages, 4 villages in Abdya and 5 villages in Nagan Raya.

From the Ulu Masen Ecosystem

As a result of teacher training work between 2006 and 2009, environmental education will be inserted into the Local Curriculum (Muatan Lokal). FFI-AFEP has worked with the National Education Department (*Diknas*) to complete pre-trial drafts of two environmental training books: one for senior high school, SMA, teachers and another for their students.

FFI-AFEP conducted a review of the local Curriculum on Environmental Education Module with a team of 20 teachers from six districts and Banda Aceh on 1-2 July 2009. The review checked the suitability of the material, accuracy of the information and edited the text in the Module book. **An MoU to formally trail the educational material was signed between FFI-Aceh and 9 High Schools** (SMA) in Aceh to include the environmental education module in the local curriculum on 28 July 2009. 54 classes and 1832 students will receive this training. In June 2009 these schools began a formal 12 month trial of the curriculum materials under the supervision of *Diknas* and FFI. During the trial phase schools are being supported by 16 trainers. Also, FFI-AFEP conducted a culture and nature festival on 20 July 2009, this event was attended by 500 participants from NGO's, government, school, and Acehnese people in and around Banda Aceh.

FFI-AFEP has greatly scaled-up its environmental awareness activities around Ulu Masen by establishing 14 eco-clubs in: Aceh Barat (170 members); Aceh Jaya (60); Bireun (500); and, Pidie/Pidie Jaya (80), in addition to the Banda Aceh/Aceh Besar eco-club (75 members) previously established. These eco-clubs concentrate on empowering teenagers, an age group that has received less project attention than others. The eco-clubs are addressing the main environmental issues in their own districts by raising awareness through organising campaigns and events, e.g. cleaning waterways, recycling waste and planting trees. The project support provided in 2009 has used FFI-AFEP's expertise to build the conservation capacity of 810 eco-club members, especially in giving compelling presentations, producing publications and running campaigns.

On 3-9 September, FFI-AFEP conducted a 'Nature and Islam Study in Ramadhan' Campaign Program: nature understanding through Al-quran. This program used two education and awareness media published by FFI - the environmental education module and Environment Fiqh book. This activity focused on Aceh's young generation (102 boys and 68 girls attended). FFI-AFEP worked with an Indonesian environment organization 'RARE' to conduct a Pride Campaign in Pidie District which will be implemented from June 2009-June 2010. This campaign aims to increase the community awareness about the importance of the forest and environmental protection and the benefits for surrounding communities. A number of activities will be included in this campaign, including: community meetings, school visits, safaris, media campaign explanations (factsheet, sticker, pin, pamphlet, poster, radio, etc), and initiatives with forest edge communities to develop alternative livelihoods. Mane Sub-district has been chosen as the core area of this campaign as well as Geumpang and Tangse sub-districts as secondary campaign areas.

6. Completion of two conservation education and awareness facilities

From the Leuser Ecosystem

None to report

From the Ulu Masen Ecosystem

n/a

Key objective 3. Community-based forest and ecosystems rehabilitation for livelihoods and environmental services implemented.

7. 50 nurseries to be established and operational as small businesses

From the Leuser Ecosystem

A cooperation agreement with ICRAF was signed in March 2009. ICRAF plays a role as a partner institution in the sub districts of Beutong and Seunagan Timur (as a zone for the development of rubber) and in the sub-district of Darul Makmur-Tripa area (as a zone for the development of cacao and oil palm). This zonation was established in accordance with the program of the Nagan Raya district Dinas Kehutanan and Perkebunan. After visiting and consulting with this Dinas, it was agreed that it would support nursery development activities and provide 10,000 of the 200,000 seedlings requested by the farmers. Until the end of Q3 ICRAF has established as many as 23 Community nurseries with 294 beneficiaries consisting of 134 men and 160 women. 216,858 clones were distributed out of which 134,630 clones surviving. Bud-wood garden been created in five demonstration plots . Nursery materials have also been distributed to the groups, which include 154 wire rolls, 26 rolls of barbed wire, nets 18 rolls, 26 pieces scissors publicity 9 fruit, grafting knife 7 fruits and 12 units of sprayer.

From the Ulu Masen Ecosystem

Training and monitoring has continued for the 12 existing nurseries as they produce seedlings ready for planting in the Q4. Plans have been developed with farmer groups in 5 new Mukims for establishing nurseries in Q4.

8. 5,000 ha of degraded land replanted/restored

From the Leuser Ecosystem

The target for land rehabilitation in 2009 is 1,400 ha consisting of 800 ha of other land use (APL) areas and 600 ha of state forest land. During the reporting quarter the rehabilitation of APL Community Land of about 171.8 ha and state forest land is 200 ha in Pengidam village, completed. Due to problems receiving the necessary permission from the Forest Department to rehabilitate forests, the remaining 400 hectares of forest land will be allocated to community forestry to be carried out on village common lands or Area Penguana Lian (APL).

During the quarter 1064 ha of critically degraded land located in 5 districts in 17 villages was identified for rehabilitation. This includes 218 ha in East Aceh district, (Ketibung Musara village), Nagan Raya 317 ha (Pante village of Blang Ara) Rambong Blang Baro), 102 ha in Aceh Tengah (Central Pantan Village jaya / cooperation with YPH and Gagarang), South Aceh area of 150 ha (U Tub Cot Village and Water beehive Tengoh). Abdiya and Nagan Raya (in cooperation with ICRAF) target of 225 ha (Tengku Blang village, Kandeh were identified, and project proposals with villagers completed.

From the Ulu Masen Ecosystem

Preparation has taken place for the planting of degraded land during the rainy season beginning in October, and in preparation for the first phase, distribution of seedlings has begun in Mukim Jantho. The distribution process is managed by the community group – FORSAKA – according to the distribution plan agreed at the start of activities. FFI staff have monitored the process together with community Representatives, to ensure that seedlings are distributed fairly.

9. Livelihood enhancement activities designed and launched

From the Leuser Ecosystem

Supervision and solicitation of savings from rehabilitation groups were conducted in 2 sub districts in Nagan Raya, 1 sub district in Abdya, 1 village in Lokop and 1 village in Aceh Selatan. These Self Help Groups (SHGs) are expected to be the initial groups for the establishment of a credit cooperative (Credit Union), sub district level. This credit cooperative comprises a combination of savings - credit units (SHGs) to be formed at the community level and then link with community enterprise at the village level such as micro- enterprise (Badan Usaha Milik Gampong-BUMG), Village credit unions (Koperasi Unit Desa). The saving activities are also connected with livelihood activities. During reporting period extension courses have been conducted in Nagan Raya to raise community awareness and mobilize savings. Out of 10 groups doing nursery activities, 7 groups had been visited and initial agreements obtained concerning the amount of basic and compulsory savings and the schedule of routine meetings. In addition to Nagan Raya, the extension course to raise awareness for saving has also been conducted in Desa Ketibung Musara where 4 out of 11 rehabilitation groups agreed to start saving.

From the Ulu Masen Ecosystem

A total of 28 meetings have been conducted in 10 locations including 3 new Mukims with a total of 495 participants, resulting in the development of 10 new initiatives. MoUs have been signed with 5 Mukims to establish the implementation of support activities. Follow up training has been completed in Jantho, Geumpang, Sarah Raya, Krueng Sabee covering nursery maintenance, seedling cultivation and care, organic compost production, intensification of land use and biogas production from animal dung. In addition, detailed plans have been agreed for implementation of activities to support development of alternative livelihoods in 2 focus areas which suffer from human-wildlife conflict – Mane and Pante Purba.

COMPONENT 3. EFFECTIVE AND TRANSPARENT PROJECT IMPLEMENTATION SUPPORT

Component three activities relate to project management and administration, and therefore will not be included in this report. Indicators for this component are, however, included in the results summary, and successful implementation of Component three will ensure that the project can make the interventions shown in the intervention Logic and will therefore contribute indirectly to the project's development objective.

Appendix I - Procurement Report

ITEMS - FFI	Quantity
Printing and Material	
- Bulletin Ulu Masen	3000 copies
- T-shirt & Bag	1 Package
- Ranger Training Material (clothes, pin, certificate)	1 Package
- National Geographic booklet	1 Package
- CRU Material (Hat & Vest)	1 Package
- Journalistic Training Material (T-shirt, hat & vest)	1 Package
- Sticker and Banner	1 Package
- Fiqih book's environment	1 Package
- Guidance book for Teacher and Student (PALH Book)	1 Package
- Material for Aceh Green Exhibition (brochure, book & photo)	1 Package
Computer Equipment	
- Modem	05 Unit
Field Equipment	
- Tent and Valbad	1 Package
Furniture	
- Table & Chairs for CRU	1 Package
Office Supplies & Office Equipment	
- Stationary Banda Aceh Office	1 Package
- Stationary Calang Office	1 Package
- Stationary Meulaboh Office	1 Package
- Stationary Geumpang Office	1 Package
- Equipment for mushalla	1 Package
Vehicle (Repair & Maintenance)	
- Repair & Maintenance Motorcycle	1 Package
- Repair & Maintenance Car	1 Package
- Repair & Maintenance computer and office equipment	1 Package
Civil Work	
- Mushalla	1 Package
Consultant	
- Forest Carbon Specialist	1 Person

ITEMS - LIF	Quantity
Printing and Material	
- Bulletin LIF	1 Package
Computer Equipment	
- LCD Monitor 19"	1 Package
- Computer and Peripheral	1 package
- Desktop	1 Package
- Notebook	2 package
Office Supplies & Office Equipment	
- equipment for office Takengon	1 package

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- Stationery Banda Aceh Office	1 Package
- Stationery Medan Office	1 Package
Vehicle (Repair & Maintenance)	
- Repair & maintenance motorcycle	1 Package
- Repair & maintenance car	1 Package
Office Maintenance	
Office Maintenance Medan	1 Package
Office Maintenance Banda Aceh	1 Package