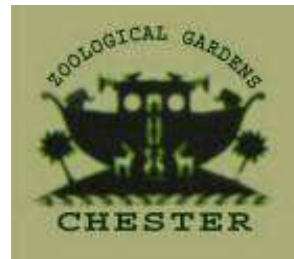




**In-Situ
Conservation Project**

Technical Progress Report

September - December 2010



By



Indira D. L. Widmann, Sabine Schoppe, and Siegfried Diaz

With contributions from Peter Widmann

Puerto Princesa City, Palawan, Philippines

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TECHNICAL PROGRESS REPORT

COUNTRY: PHILIPPINES

PROJECT TITLE: PHILIPPINE COCKATOO CONSERVATION PROGRAM

In-situ Conservation Project

PROJECT DURATION: September - December 2010

PROJECT SITE: Palawan, Philippines

PROJECT COOPERATORS:

Department of Environment and Natural Resources (DENR)
Municipal Government of Narra, Palawan, Philippines
Municipal Government of Dumarán, Palawan, Philippines
Municipal Government of Rizal, Palawan, Philippines
Municipal Government of Patnanungan, Quezon, Philippines
Culasian Barangay Government, Rizal, Palawan, Philippines
Local Protected Area Management Committees (LPAMC)
Sagip Katala Movement-Narra Chapter, Inc. (SKM-NC, Inc)
Sagip Katala Movement-Dumarán Chapter (SKM-DC)
Palawan Council for Sustainable Development Staff (PCSDS)
Polillo Islands Biodiversity Conservation Foundation, Inc.
Jewelmer Corporation
Concerned agencies and authorities

BY: KATALA FOUNDATION, INC.

INDIRA DAYANG LACERNA-WIDMANN

Program Manager

SABINE SCHOPPE

Program Co-Manager

SIEGFRED H. DIAZ

Field Operations Coordinator

With contributions from Peter Widmann

ADDRESS: Philippine Cockatoo Conservation Program

3rd Floor, RGP Bldg, Peneyra Road, Bgy. San Pedro or P.O. Box 390
Puerto Princesa City 5300
Palawan, Philippines
Tel/Fax: +63-48-434-7693

WEBSITE: www.philippinecockatoo.org

EMAIL: idlacerna@yahoo.com or sabine_shoppe@web.de

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EXECUTIVE SUMMARY

Output 1: Translocation planning

1. A rapid cockatoo survey on Samal Island, Davao was conducted in September. There were no actual sightings of the species but accounts from interviews revealed sightings in 2009. The island is degraded and most forest habitats are converted to plantations and agriculture purposes. .
2. Facilities in KIEBC were further upgraded.

Output 2: Conservation of cockatoo population on Pandanan Island, Balabac initiated

3. The Memorandum of Agreement between the Katala Foundation Inc. and Mr. Manuel Cojuangco was inked in December.
4. Surveys in northern areas of Pandanan Island were conducted. Four cockatoo nest trees which indicated some preparatory activities for the breeding season 2011 were characterized. Another four potential nest trees were characterized.
5. During regular patrols and nest monitoring, wardens observed early indications of nest occupation; however, illegal activities were also observed in Kamilit area.
6. Requirements for deputation of wildlife wardens were submitted to DENR. This is their first deputation under DENR since project start.
7. The highest count within the period reached 80 individuals in October at Tago-tago Beach, Malinsuno Island. This is nearly four times the number of the first counts on Rasa when the PCCP started in 1998. We suspect there is another roosting site in Bugsok Island. Cockatoos were observed crossing from Pandanan Island to the new roost site in Malinsuno Island. Some reported to have observed individuals crossing from the tip barangay of mainland Bataraza heading to Malinsuno roost site.
8. Five thousand copies of "Hunted and trapped" brochure were re-printed for education campaigns.

Output 3: Conservation of cockatoo population on Rasa Island, Narra continued

9. At the traditional roost site, the highest count we had was in October and December at 196 individuals. On mainland Narra, the highest count within the period was 72 individuals in December
10. Two board resolutions were approved during the meeting: (1) adoption of the wardening scheme and the release of the funds for the repair for the birdwatch tower in Rasa Island. The adoption of the wardening scheme by the PAMB through a resolution is a step forward to the institutionalization of the nest protection scheme.
11. The Municipality of Narra approved one hundred thousand (PhP100,000.00) pesos from its development funds to assist the KIEBC work apart from the two hundred thousand pesos which was appropriated this year to augment incentives for the wildlife wardens. Another two hundred thousand pesos was approved to assist the wardening scheme in 2011.
12. We sponsored the Katala Fun Day in celebration of the 9th Palay Festival in Narra in October. This was highlighted by *Moringa oleifera* Malunggay planting and the amazing Katala race kids' edition.

Output 4: Conservation of cockatoo population on Dumarán Island, Dumarán continued

13. Roost counts at the traditional roost site in Lagan r yielded its highest at 30 individuals in November and lowest count was 12 birds in the month of December.
14. Four nest trees were flashed with iron sheets.

15. We had to pull out two wardens from project site including our site coordinator in December due to threats, after we filed legal complaint against an illegal perpetrator in Dumarán.
16. The newly-elected Municipal Mayor of Dumarán expressed his full support to the KFI and its activities on Dumarán including that of our proposal to establish a critical habitat under local ordinance. This move hopefully will save other remnant forest patches in Dumarán Island. He further approved one hundred thousand pesos (1,666€) for education campaigns for 2011.
17. A second post project survey was conducted in October as part of the longitudinal study on the effectivity of the pride campaign.
18. As of 26 December, a total of 1,109 seedlings composed of five species were kept at the reforestation site at the buffer zone of the Omoi Cockatoo Reserve.

Output 5: Conservation of cockatoo population in Culasian Managed Resource Protected Area (CMRPA), Rizal continued

19. The confiscation of a chainsaw and its operators by authorities within the protected area put our wildlife wardens at great risk. We had to pull them out of project site in December to protect them from the ire of illegal perpetrators. We are hopeful that with the creation of the PCSDS law enforcement team, such illegal activities will be lessened if not completely mitigated.
20. The amendment to the sub-grant from CI-Palawan for the wardening scheme was approved until June 2011.
21. PCCP organized the Basic Ecology Training for 20 out of school youth in Culasian as target recipients. Most of these young are direct users of the forests within the protected area.
22. Two of the wildlife wardens attended the Biological Monitoring System (BMS) Training in Quezon, Palawan.
23. Highlights of the LPAMC meeting in November included the deputation through executive order, approval of the LGU financial counterpart of two hundred thousand pesos (3,333€) for 2011, and the breeding season workplan approval.
24. Five public toilets and two deep wells were constructed in Culasian through the grant from the German Embassy, Manila. The community members helped in the construction of these facilities.

Output 6: Polillo Islands Parrot Project promoted

25. Four cockatoos were sighted in Duyan duyan forest, Burdeos while an individual was sighted in So. Cabangan in Patnanungan Norte. Only coordination activities were conducted within the period as new local officials as well as DENR personnel were sworn in.

Output 7: Katala Institute for Ecology and Biodiversity Conservation further developed

26. The five cockatoos are healthy despite their plucking problems.
27. Trails in KIEBC were backfilled with rice hulls while permanent fencing had started. The aviary is well covered with vegetation. Protective roofing was established for the water system, clinic and food preparation area.
28. As per December 2010 we had 2,057 seedlings in the nursery. More than a hundred Malunggay seedlings were planted already within the reporting period.
29. As of 31 December 2010, KIEBC holds an assurance colony of 31 *S. leytensis*, 33 *Cuora amboinensis*, 10 *C. dentata*, and 1 *Dogania subplana*.

30. Incidents of shell rot continued to occur (# 1, 70, and 24) and were treated with dry docking and *Betadine* application.
31. Two major turtle IEC projects are currently implemented: one funded by Chester Zoo and the other by WWB-USFWS.
32. Two turtle proposals were approved: (1) Cleveland Metropark Zoo for additional IEC materials and (2) NEZS to assess the home range and seasonality.
33. Five more turtle proposals were submitted.

Other highlights

34. All twelve feather samples were negative of PBFD according to Biobest Diagnostics, UK. Samples were from three project sites: Rasa Island, Dumaran Island and Pandanan Island.
35. Pet market survey was also conducted in Davao. There was no cockatoo for sale but Hill myna from Palawan.
36. We promoted our work through exhibits, conducted cockatoo face painting, coloring activities and rendered lectures during the 6th Philippine Birdfest and the 1st Asian Birdfest in Davao in September.
37. Information campaigns were conducted in four schools in Puerto Princesa City within the period: Iwahig elementary school, Holy Trinity University, Palawan State University, and Western Philippines University. In the last two schools, we were involved in their Science Month and Ecology Week celebrations respectively.
38. PCCP wardens, volunteers and staff received grocery packs in December through the generous contributions from donors and supporters all over the world.
39. Several meetings and trainings were attended 10 either as participants/exhibitor or speakers while we organized two trainings within the period.
40. A new service boat was acquired for Pandanan project site through the funds from the WWB-USFWS.

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To the honorable Mayor of Narra, Atty. Clarito D. Demaala Jr., Madame Lucy Demaala, and members of the municipal council and officials. Special gratitude goes to PAMB members, Narra for their vigilance and ready attention on Rasa. We are grateful for the support of the new administrations in Dumarán and Rizal through the honorable mayors Medwin Publico and Nicolas Montaña respectively. We would like to thank the support of Dumarán MPDO Agnes Padul and all Dumareños. We also thank the barangay officials of Culasian, Candawaga and Ransang, Rizal for their cooperation. Special gratitude goes to Mayor Shuaib J. Astami of Balabac and his council, former Barangay Captain Nestor Gabinete and Bgy. Captain Violeta Gabinete of Bgy. Pandanan, Balabac for their assistance and cooperation. We thank as well all the barangay council members, Kgd. Edjal Karaan and family and all families of wildlife wardens from Pandanan. Great thanks to Burdeos Municipality and likewise to Patnanungan Municipality.

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To all visiting tourists, foreign and local, for the generous donations given to the project.

ACRONYMS

CE	Conservation Education
CENRO	Community Environment and Natural Resources Office(r)
CEPA	Conservation des Espèces et Des Populations Animales
CMRPA	Culasian Managed Resource Protected Area
DENR	Department of Environment and Natural Resources
IUCN	International Union for the Conservation of Nature and Natural Resources
KEEC	Katala Environmental Education Center
KFI	Katala Foundation, Inc.
KIEBC	Katala Institute for Ecology and Biodiversity Conservation
LGU	Local Government Unit
LPAMC	Local Protected Area and Management Committee
LPF	Loro Parque Fundación
MENRO	Municipal Environment and Natural Resources Officer/Office
MMPL	Mt. Mantalingahan Protected Landscape
MOA	Memorandum of Agreement
MMT	Multi-partite Monitoring Team
PA	Protected Area
PAMB	Protected Area Management Board
PAWB	Protected Areas and Wildlife Bureau
PASu	Protected Area Superintendent
PCCP	Philippine Cockatoo Conservation Program
PCSD(S)	Palawan Council for Sustainable Development (Staff)
PENRO	Provincial Environment and Natural Resources Office
PFTCP	Philippine Freshwater Turtle Conservation Program
PNP	Philippine National Police
PSU	Palawan State University
PWRCC	Palawan Wildlife Rescue and Conservation Center
RA 9147	Republic Act 9147 otherwise known as the Wildlife Protection Act
RIWS	Rasa Island Wildlife Sanctuary
SDENRO	Special Deputy Environment and Natural Resources Officer
WPU	Western Philippines University
ZGAP	Zoologische Gesellschaft für Arten- und Populationsschutz

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INTRODUCTION

The Philippine cockatoo *Cacatua haematuropygia*

The Philippine Cockatoo or red-vented cockatoo *Cacatua haematuropygia* is restricted to lowland forest areas and mangroves in the Philippines. Formerly, it could be found all over the archipelago (Dickinson *et al.* 1991). Only in the last decades a rapid decline set in, which brought the species to the brink of extinction (e.g. Boussekey 2000a; Lambert 1994). The reasons for the decline of the populations are (e.g.; Collar *et al.* 1999; Lambert 1994; Widmann *et al.* 2001):

- Habitat destruction, particularly in respect of nesting and food providing trees.
- Persecution as crop pest.
- Poaching for pet trade.
- Potential diseases caused by the introduction of captive birds in the range of wild populations.
- Tropical storms and typhoons

Habitat destruction and poaching are the most important factors threatening the Philippine cockatoo.

Since ten years Katala Foundation Inc. (KFI) implements the PCCP in the Philippines. Comprehensive conservation projects are currently implemented in three sites in Palawan: Rasa Island (Narra), Dumarán Island (Dumarán) and Culasian (Rizal). All three sites contain by now protected areas declared on municipal levels, specifically demarcated to include the remnant cockatoo populations. The most important Philippine cockatoo population on Rasa (which we estimate comprises around twenty percent of the world population) is additionally secured under presidential proclamation as “Rasa Island Wildlife Sanctuary” since February 2006.

A new project site in Pandanan Island in Balabac, southernmost part of Palawan has been started due to the recently improved security situation in the area, where a viable cockatoo population is confirmed and threatened by rampant poaching.

Patnanungan Island, Polillo group of islands in Quezon harbors the only known Philippine cockatoo population in the Luzon Faunal Region (Fig.1).

With the current four project sites in Palawan and one in Luzon it is estimated that at least 25% of the remaining wild population could be covered in PCCP conservation activities. The limiting factor for this estimate is the very incomplete information on the species from the Sulu Archipelago.

Objective of the Philippine Cockatoo Conservation Program

Conservation and restoration of the most viable subpopulations of the Philippine cockatoo and their habitats, including associated flora and fauna under involvement of all key stakeholders, resulting in a down-listing of the species from ‘Critical’ to ‘Endangered’ through reversing its population decline and under consideration of the precautionary principle.

Program Strategy

The main strategy of the programme is to conserve *in-situ* the most important subpopulations of the Philippine cockatoo through adopting participative methods.

The general program strategies are:

- Community-based management of local resources in the framework of Philippine law;
- Capacity-building for local decision-makers and key stakeholders to ensure sustainability of the conservation efforts; and,
- Ecosystemic conservation approach with the Philippine cockatoo as flagship species.

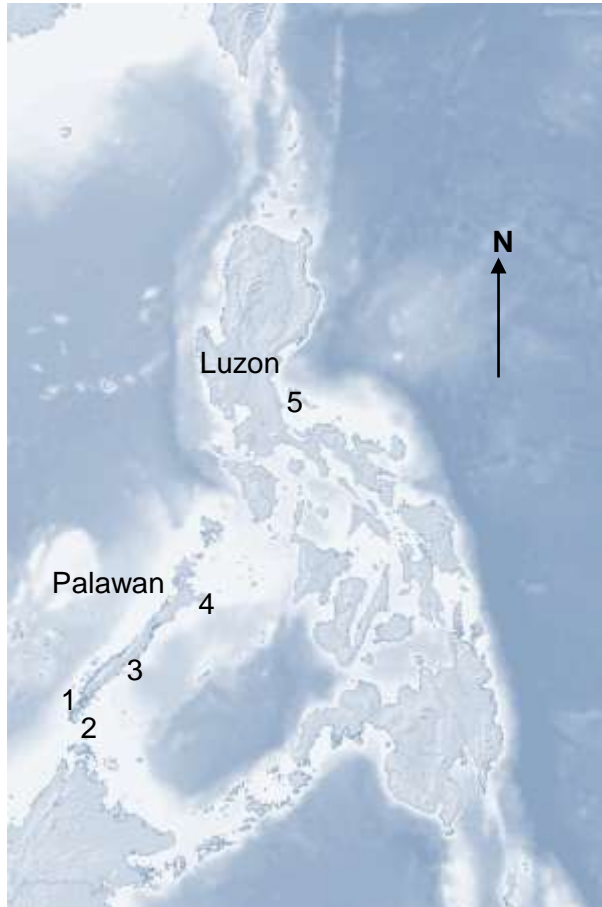


Figure 1. Map of the Philippines indicating sites of the Philippine Cockatoo Conservation Program: 1. Culasian Managed Resource Protected Area, Rizal; 2. Pandanan, Balabac; 3. Rasa Island, Narra; 4. Omoi and Manambaling Cockatoo Reserves, Dumaran; 5. Patnanungan Island, Polillo group of Islands, Quezon.

Deliverables

Objective 1: Translocation planning for Philippine cockatoos

- Develop a translocation protocol involving relevant stakeholders.
- Continue assessment of potential translocation sites and potential remnant populations within the historical range.
- Prepare translocation site, e.g. through conservation education, habitat restoration, legal frame conditions, once a suitable site is identified.
- Further improve facilities to temporarily accommodate birds suitable for translocation (see Objective 7).

Objective 2: Conservation of cockatoo population on Pandanan Island, Balabac initiated

- Establish warden and nest protection scheme.
- Establish linkages to local stakeholders, particularly local government, poachers, farmers, private entities and school teachers.
- Initiate conservation education.
- Conduct research on nest sites and monitor roost site.
- Initiate small livelihood project as confidence building measure.

Objective 3: Conservation of cockatoo population on Rasa Island, Narra continued

- Continue warden scheme.
- Assist and capacitate Protected Areas Management Board in the management of the Philippine Cockatoo and Rasa Island Wildlife Sanctuary and stepwise hand over responsibilities.
- Intensify conservation education for stakeholders, particularly in mainland areas which are regularly frequented by cockatoos.
- Integrate conservation priorities of Rasa in the new development strategy of Narra, particularly regarding tourism infrastructure.
- Continue research on conservation-related aspects of cockatoo biology on Rasa.

Objective 4: Conservation of cockatoo population on Dumaran Island, Dumaran continued

- Continue warden scheme.
- Assist and capacitate Local Protected Areas Management Committee in the management of the Philippine cockatoo, as well as Omoi and Manambaling Cockatoo Reserve.
- Create buffer zones around existing cockatoo reserves, preferably including creation of alternative livelihood options.
- Conduct conservation education and assist in community empowerment for stakeholders.
- Continue research on conservation-related aspects of cockatoo biology, particularly habitat restoration.

Objective 5: Conservation of cockatoo population in Culasian Managed Resource Protected Area, Rizal continued

- Continue warden scheme.
- Assist and capacitate local Protected Areas Management Committee in the management of the Philippine cockatoo and Culasian Managed Resource Protected Area.
- Conduct conservation education for stakeholders.
- Continue research on conservation-related aspects of cockatoo biology.
- Facilitate hand over to local stakeholders, assist in acquisition of tenurial instruments, and secure alternative funding sources.

Objective 6: Polillo Islands Parrot Project promoted

- Continue warden scheme for Philippine cockatoo and include other parrot species.
- Continue conservation education for threatened parrot species within the archipelago.
- Assist in capacity development of local stakeholders for management of threatened parrot populations and their habitats.

Objective 7: Katala Institute for Ecology and Biodiversity Conservation further developed

- Continue development of quarantine area, off- and on-show aviary to accommodate rescued cockatoos and/or cockatoos destined for translocation.
- Improve standard of animal husbandry through employment of full-time zoo keeper and continued capacity building of local partners as assistant keepers.
- Continue landscaping with native species propagated in the Katala nursery.
- Further develop a conservation education programme for local school children and students within the facility.
- Continue submitting proposals to other potential donors.

Description of Project Sites

Rasa Island, Narra, Palawan

Rasa is a small coral island of 8.34 km² area situated in the Sulu Sea, just offshore of the Municipality of Narra, Palawan, Philippines (Fig. 2). About 1.75 km² are covered with coastal forest, mangrove (5.60 km²), cultivated areas (predominantly coconut; 0.39 km²), 0.60 km² are barren or sparsely vegetated sand and coral outcrops. In February 2006, the island became a Wildlife Sanctuary through Presidential Proclamation 1000. In 2008, Rasa Island Wildlife Sanctuary was chosen as Top 13 Bird Watching Sites in the Philippines by the Department of Tourism.

The island is the pilot site of the program since 1998. Key component of this project site is the wardening scheme which involves patrolling and protection of the birds during and outside the breeding season. This scheme has proven to be efficient. It has more than doubled the population of cockatoos on the island over ten years (presently ca. 239 birds).

Rasa Island probably holds the highest population density of Philippine cockatoo that remains in the wild. The world population of Philippine cockatoo was estimated to range between 1,000 to 4,000 individuals (Lambert 1994). More recent estimates put the number of cockatoos remaining in the wild between 870 and 2,300 (Widmann 2001). About 70 to 75% of this population is probably found in Palawan (Boussekey 2000b). This makes Rasa a high priority area for the protection of this species.

Not only Philippine cockatoos live on the island, but a variety of other species, with an unusual high percentage of globally threatened and near-threatened taxa (IUCN 2010), considering the small size of Rasa. Note worthy among the 104 recorded bird species are Grey imperial pigeon *Ducula pickeringii* and Mantanani scops-owl *Otus mantananensis*.

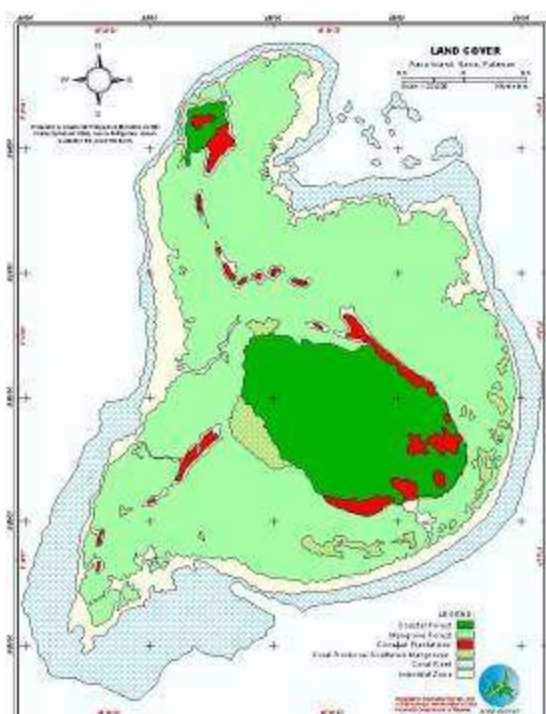


Figure 2. Vegetation and land-use of Rasa Island, Palawan, Philippines.

Dumaran Island, Dumarán, Palawan

Dumaran is situated in north-eastern Palawan between 10°22' and 10°41'N and 119°28' and 119°55'E. Nine Barangays are situated on Palawan mainland, seven on western Dumaran Island. The island is situated in the Sulu Sea and separated by a ca. 7 km wide channel from the mainland.

PCCP currently manages three areas on the island: Omoi and Manambaling Cockatoo Reserves (Fig.3) and the traditional roosting site in Lagan.

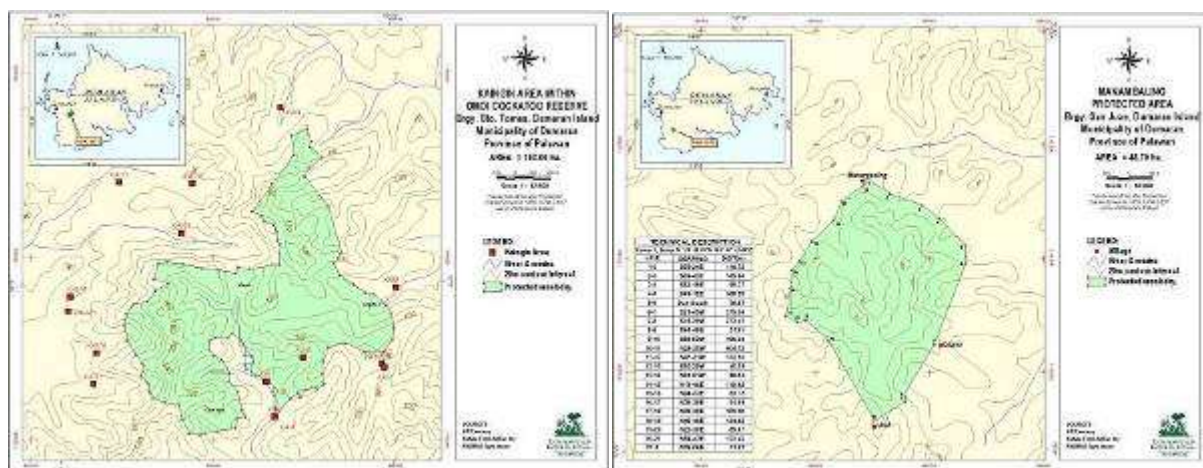


Figure 3. Omoi Cockatoo Reserve (left) and Manambaling Cockatoo Reserve (right) cover the last forest patches on Dumaran Island.

All natural terrestrial ecosystems in Dumaran are tree-dominated. On Dumaran Island only few small and isolated forest patches remain, none of them larger than 103 ha. The most abundant formation is evergreen and semi-evergreen lowland forest with Ipil *Intsia bijuga*, Amugis *Koordersiodendron pinnatum* being emergent tree species of commercial value.

Ornithological surveys conducted by Kataala Foundation so far yielded 108 species from the island. A prominent species of conservation concern is the Philippine cockatoo, which can be found with viable population in the mangroves and forest remnants of Dumaran Island, but apparently not anymore on the mainland. The last remaining forest patches are therefore of global conservation concern. This notion is supported by the recent records of other globally threatened species, particularly the Philippine forest turtle *Siebenrockiella leytenensis*.

Other species of conservation concern are Palawan hornbill *Anthraceroceros marchei*, Blue-headed racquet-tail *Prioniturus platenae* and Palawan pencil-tailed tree-mouse *Chiropodomys calamianensis*. A yet unidentified shrew species has been caught in one of the last forest patches.

Main forms of land use nowadays is upland and slash-and-burn agriculture ('kaingin'), which is still widespread on the island and affects more and more forested areas on steeper slopes on the mainland. Larger parts of the island are covered by grass-and shrub land and dense stands of bamboo as consequence of this practice. Due to lack of water, irrigation systems and level areas, lowland rice cultivation is very restricted. Permanent forms of cultivation are coconut and cashew plantations. Forest and grass fires are common, particularly during the dry season.

Culasian Managed Resource Protected Area (CMRPA), Rizal, Palawan

The Protected Area (PA) is located in the southern portion of Palawan Island in the municipality of Rizal. It is situated in the coastal plain facing the South China Sea, between the coordinates 8°52' to 8°47'N and 117°27' to 117°31'E. The PA comprises 1,954 hectares.

CMRPA ranges from sea level to about 140ma.s.l. south of Culasian proper. The terrain is flat in the narrow coastal area, and rolling to moderately steep in the remaining portions. The two largest forest areas persist north of the highway near Tagbalugo on an isolated moderately steep hill reaching 120ma.s.l. and a highly fragmented rolling forest area south of the highway from ca. 20 to 140ma.s.l. near Darapiton, Malutoc, Balingasag and Tuburon. Two permanent rivers mark the periphery of CMRPA: Culasian River in the north and Arapitan River in the south. Smaller ephemeral creeks and stagnant water bodies can be found inside the area.

The major terrestrial ecosystem in the PA is lowland dipterocarp forest. Unlike most forests in Palawan, canopy heights are very high, often thirty to forty meters, with “Apitong” *Dipterocarpus grandiflorus*, “Manggis” *Koompassia excelsa* being the most conspicuous emergent tree species. Other emergent trees are for example *Dipterocarpus gracilis*, *Dipterocarpus hasselti*, *Intsia bijuga* and *Koordersiodendron pinnatum*.

Level areas are dominated by permanent cultivation. Shifting cultivation is also most common along the roads, but can frequently be found isolated in forested areas, often on steep slopes. Emergent “Manggis” and “Apitong”, isolated in cultivated areas, indicate nest sites of parrots or hill mynas which are ‘owned’ by a poacher, and therefore were not cut during the area was cultivated.

To date, 133 bird species are recorded within the CMRPA. Of outstanding conservation concern (IUCN 2010) are particularly the larger tree cavity nesters, like Palawan hornbill *Anthracoceros marchei*, all three parrot species of Palawan, Philippine cockatoo *Cacatua haematuropygia*, Blue-naped parrot *Tanygnathus lucionensis* and Blue-headed racquet-tail *Prioniturus platenae*.

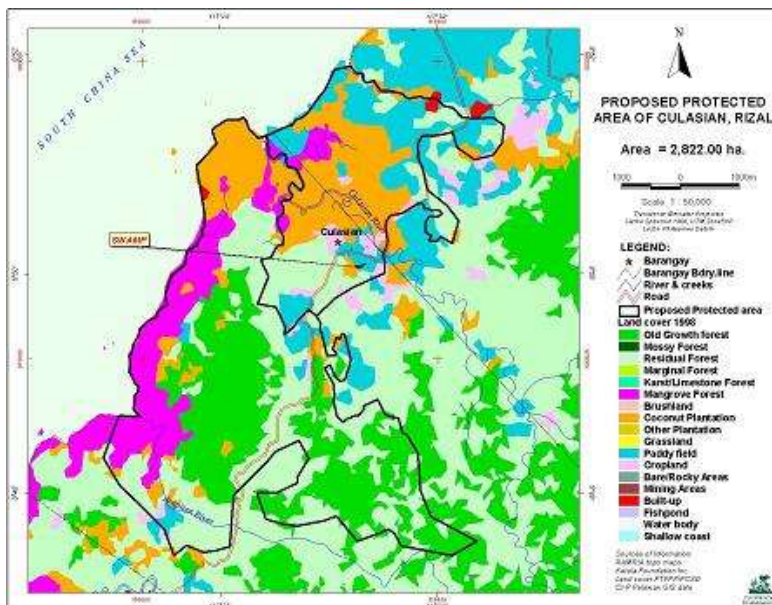


Figure 4. Vegetation, land use and boundaries of Culasian Managed Resource Protected Area, Rizal, Palawan.

Pandanan Island, Balabac

Pandanan Island in Bgy. Pandanan belongs to the northeasternmost municipality of Balabac in Palawan (Fig. 5). Coastal forests are dense and stock on flat limestone originating from elevated coral reefs. Large trees in the coastal forest are mostly deciduous and widely spaced due to water stress during the dry season. The understorey is very dense with abundant vines. Emergent trees comprise the genera *Dipterocarpus*, and *Ficus*. A narrow rim of beach forest with *Erythrina*, *Calophyllum* and *Barringtonia* is present. Coconuts are the major crop grown in the coastal areas and shifting cultivation including lowland rice, corn, and root crops inside forested areas are common land use forms. Extensive mangroves are thriving.

The coconut plantation in So. Manas ((N 08°17' 05.7"; E 117°09' 50.0") is the known roosting site of Philippine cockatoos on Pandanan Island. Sightings from this site range from one to as high as 40 individuals (Widmann *et al.* 2008). Recent counts made by KFI yielded 34 individuals as highest. Variability of roost counts are very much affected by windy and monsoon conditions. Similar observations have been made during our Samar and Polillo surveys (Widmann *et al.* 2002).

So far, 47 bird species have been recorded in and around Bgy. Pandanan, but inventories are still ongoing. Among these

are six globally threatened and six near-threatened species (IUCN 2010). Of outstanding conservation concern are particularly the larger tree cavity nesters, like Palawan hornbill *Anthuracoceros marchei*, all three parrot species of Palawan, Philippine cockatoo *Cacatua haematuropygia*, Blue-naped parrot *Tanygnathus lucionensis* and Blue-headed racquet-tail *Prioniturus platenae*, and other conservation relevant species like Grey imperial pigeons *Ducula pickeringii* and Mantanani scops-owl *Otus mantananensis* (Widmann *et al.* 2008).

The seat of government of the barangay is on Malinsuno Island where most of its residents live. Population in the barangay is at 924 individuals (NSO 2007 census), concentrated on three islands of Pandanan, Malinsuno and Tangkahan. Residents are comprised of several ethnic groups: Pal'awan, Molbogs, Tausugs and Visayan-speaking migrants. Major livelihood is fishing. Apparently, smuggling is also a considerable source of income for a part of the

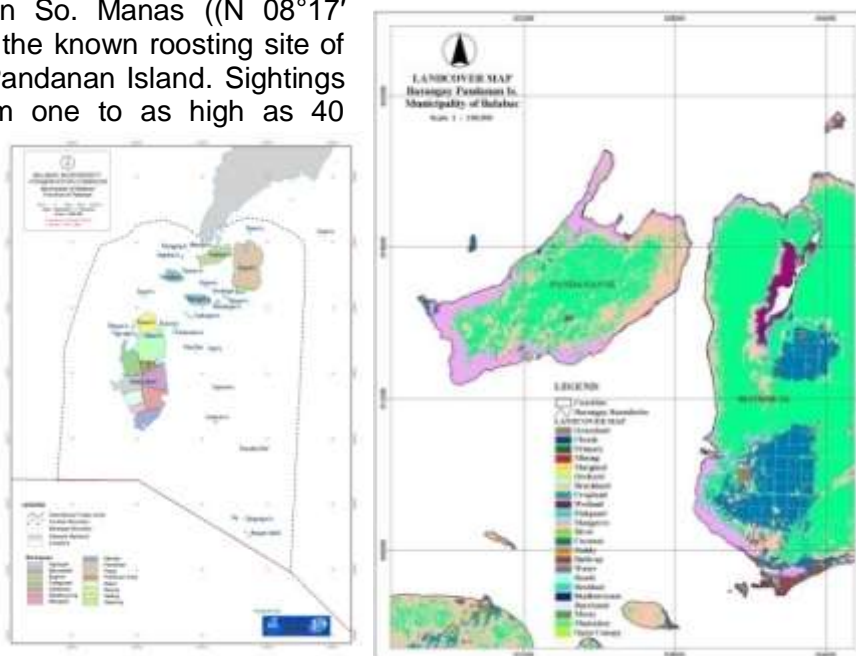


Figure 5. Vegetation map of the island (left) showing vast residual forests (green) surrounded by mangroves (purple), and location of Pandanan Island, Balabac, Palawan (right). Sources: CI-Palawan (right), PCSDS (left)

A large part of Pandanan Island is not easily accessible, because it is privately managed and protected by the Cojuanco's and the Jewelmer Corporation.

Patnanungan. Polillo group of islands. Quezon

The Polillo group of islands in Quezon is possibly the last area containing a population of the critically endangered Philippine cockatoo *Cacatua haematuropygia*, or 'Kalangay' as known locally, in the Luzon faunal region (Gonzalez 1997, Collar *et al.* 1999, Widmann 2001).

Patnanungan Island (Fig. 6) is mainly covered with secondary vegetation often interspersed with coconuts. The narrow coastal plains in the south and the more extensive ones in the north are transformed into irrigated rice paddies whenever permanent water-flows could be tapped. Higher terrain was transformed into coconut plantations and exceptionally into grassland, due to repeated burning.



Forests, particularly in the northern and central portion of the island, are frequently transformed into slash-and-burn fields. The small diameter classes of cut trees indicate that rotational periods might be shorter than fifteen years. Principal crops planted are corn, cassava, banana and papaya.

Cockatoos persist in very low numbers. Habitat is seriously degraded and lack of nest trees might be a limiting factor. Poaching for the pet trade is still ongoing, due to insufficient law enforcement, particularly in remote

areas.

Figure 6. Vegetation and land use of Patnanungan Island (Hampson *et al.* 2002). Light green: coconut, dark green: forest, blue: mangrove, orange: ricefield, light orange: cornfield, olive: grassland, grey: settlement

Methodologies

The Philippine Cockatoo Conservation Program (PCCP) employs an ecosystemic and community-based approach to biodiversity conservation using the Philippine cockatoo as its flagship species. The main components of the program are nest protection or wardening schemes; scientific researches on feeding, biology and ecology of the Philippine cockatoo and other threatened species; identification, protection and management of key conservation sites; conservation education; habitat restoration; and capacity building. Researches on the Philippine cockatoo include distributional surveys, rescue of individual birds, translocation assessments, and conservation breeding for later re-introduction.

Information on the biology and ecology of the cockatoo is gathered through direct observation. On Rasa, movements of the cockatoos can be best observed from a boat, from beaches or coral outcrops. Very dense vegetation on the island considerably hampers visibility on transect walks or point counts. On Dumarán, Rizal and Patnanungan, movements are observed through wardens monitoring and patrols at protected areas and roost sites.

Monitoring of the population trend on Rasa and Dumarán is done through counting individuals at a traditional roost site. A traditional roost site is situated in a mangrove area on Rasa and can be observed from a boat while in Dumarán a privately-owned coconut plantation serves as the roost site bordering close to a mangrove area. Counts are conducted monthly either before sunset on Rasa and daily on Dumarán. Exceptionally, counts are also conducted during dawn before birds leave the roost site. Whenever possible, counts on Rasa are conducted under similar weather and light conditions. No roosting sites are known from Culasian and Patnanungan.

The core component in all project sites is the wardening scheme, employing former poachers as wildlife wardens. Wardens inspect and verify existing and potential nest trees starting end of September. During the breeding season, the nest trees are under permanent surveillance. Trees are climbed and nest holes controlled every ten days during that time. For safety reasons, dead or damaged trees are not climbed. Nest trees are characterized through species identification, tree height, diameter at breast height (DBH), height of nest hole, exposition of nest hole, diameter of hole, and diameter at base and depth of cavity. The geographic location of each nest tree is taken with the help of a GPS and marked in a map.

Presence or absence and condition of adult birds, eggs, nestlings or nest predators are noted. Nestlings are weighed with Pesola spring balances/and or electronic balance and banded with aluminum rings bearing the inscription of the Department of Environment and Natural Resources (DENR), the number and year (e.g. DENR 01-09).

Volunteers are detailed in monitoring stations at the mainland coasts of Narra within and outside the breeding season. These volunteers record all sightings of cockatoos and other significant wildlife in the area of assignment.

Surveys to find remnant cockatoo populations are based on historical sources or recent information. To initially narrow down the searches, non-formal interviews with key informants (poachers, other forest users, barangay officials, school teachers) are conducted. Surveys aim to identify remnant cockatoo populations or areas which are suitable for translocation.

Herbarium collections are made of key plants in cockatoo habitats, particularly food-providing plants, and nest and roost trees. The physical structures of cockatoo breeding habitats are characterized through forest profiles. Phenological information on fruiting and flowering of food-providing trees are systematically collected on Rasa.

Restoration of mangrove is conducted on Rasa through transplanting of nursery-grown trees. Experimental restoration of lowland forest habitat is done in Dumarán. Particularly nest- and food-providing plants for cockatoos are systematically tested for their suitability for reforestation. MS Access and excel programs are used for analysis.

Composition of remaining bird communities in project and survey sites is assessed using MacKinnon-Lists and, occasionally, mist-netting. Composition of mammal, reptile and amphibian communities in project sites is assessed through direct observations, mist- and harp-netting, live-trapping (Sherman type and locally-made cage type) and pitfall trapping.

To identify potential cooperators for the projects, livelihood needs, and capacities, stakeholder and SWOT analyses are employed. Participatory planning is done through goal-oriented project planning methodology. Alternative livelihood is provided for key-stakeholders of the cockatoo and the PAs, based on the needs assessments.

Conservation education activities employ the PRIDE approach which uses marketing methodologies to galvanize community support for conservation. The approach conducts pre and post project surveys to assess changes in levels of knowledge, awareness and behavior among target audience by using control groups. Survey Pro is used for analysis on changes over time. Proven marketing vehicles like billboards, posters, fact sheets, puppet shows, school and community visits, festivals and media participation are used to deliver relevant and compelling conservation messages.

Relevant trainings and seminars are conducted to help capacitate local partners in conservation. Cross visits to Rasa and other project sites are encouraged to facilitate exchange of experiences, lessons learned and good practices to boost morale of local partners and reinforce knowledge.

Please refer to each output for particular methodologies used in achieving results.

RESULTS AND PROGRESS

Output 1: Translocation planning for Philippine cockatoos

Samal Island Survey

27-29 September 2010. Rene Antonio, PCCP staff and Diverlie Acosta, PFTCP staff conducted a rapid cockatoo survey on Samal Island, Davao. The island is known as the Island Garden City of Samal with 46 barangays. Interviews were conducted in at least four barangays that has reported sightings of Philippine cockatoo in the past years.

Bgy. Villarica, Babak District. This was the nearest barangay to the pier. Barangay officials present at the hall were receptive to the PCCP short presentation by the team. According to them there was no cockatoo in the area. Colasisi is usually observed.

Bgy. San Antonio. This barangay is ca. 10 km from the Babak district but could be reached by motorcycle. Vast areas are planted coconut and mango trees. It still has a small forest patch which was locally declared as timberland and watershed by the City government of Samal. The mountain area is almost completely converted to agricultural land and planted with fruit trees, banana and coconut. Kaingin farms are prevalent. Two forest fires affected the area according to interviews though some big trees survived e.g. Lawaan, Ipil-ipil, Mahogang, Tugas (Ipil), and Dao. The area is said to be typhoon-free.

An old lady resident who lived in the foothills of the mountain range told the team that her last sighting of the Philippine Cockatoo was almost a year (most likely early 2009). Three birds were observed passing through the ridge going south of the area at midday. She does not know of any roost or nest site in the area. However she directed the team to proceed to Bgy. Tagpopongan. Other birds she reported

were fruit dove, pigeons, common emerald dove, reddish cuckoo dove, hornbill and coppersmith barbet. The latter was observed by Rene during the survey. Sightings of these birds were restricted during fruiting season of trees in the area.

Sitio Aunbabak, Bgy. Tagpopongan. Bgy. Tagpopongan is 9-10 km from San Antonio and almost 15-20 minutes rough motorbike ride. The area is located at the east coast of Samal Island. This is characterized by coral rubble shoreline. Plantation of coconut and fruit trees was dominant. An interview with a resident revealed that latest sighting of the Philippine cockatoo in the area was almost a year ago at Sitio Taglono. A pair was observed by the interviewee, flying around late in one morning. Other birds observed by interviewee were hornbill, emerald dove and Nicobar pigeon, hawks, and egrets. Trading of birds was rampant in the area in "as order" basis. Commonly traded is the common emerald dove priced at PhP500.00 per pair. Hornbills, they said, were caught for own consumption.

Sitio Taglono, Bgy. Tagbitanag. Only one old local resident claimed that he had seen a cockatoo and this was three years ago at Kanibab Beach. Other interviewees reported that in early 80's parrots and hornbills were common sightings, however due to continued forest destruction and forest fire in some parts, sightings became rare. They also suggested Bgy. Aundanao at east coast to be visited since it still has a forest patch.

Bgy. Aundanao and area of Sitio Kanibab at Puting Bato. This barangay is dominated by coconut and only a small portion was forested. Only hornbill and common emerald dove were known to thrive in the area, and it is commonly hunted by some locals for consumption. Residents only observed Colasisi among other parrots. The team learned from Bgy.

Captain that marine turtle (Hawksbill in particular) regularly nest in the beach of Bgy. Aundanao. The said barangay has a Marine Protected Area declared by the City Government of Samal.

School Site, Sitio Toyapok, Bgy. Aundanao. Most of the area is already converted for agriculture. Shrubs and legumes (Kakawate, Ipil-ipil) were the dominant species. None of the interviewees had ever seen a cockatoo. They further stated that common birds were getting rare as well. Forest destruction and fragmentation were the main causes they reported. This started in early 60's where hunting was on its peak.

Fernandez Beach Resort. Team confirmed one talking crested mynah inside a cage near one of the guest's hut. The resort also kept at least four long-tailed macaques in a 3x5 cage. Caretaker of the resorts reported that in early 70's at least 70-100 individuals of cockatoo were usually seen in the area. Cockatoos according to him thrived until early 80's. He surmised that cockatoo population decreased due to alteration of habitat into coconut plantation and uncontrolled migration in the area.

Please refer to Objectives 3 for Rasa breeding season details and 7 for more information on improvements at the Katala Institute for Ecology and Biodiversity Conservation (KIEBC).

Output 2: Conservation of cockatoo population on Pandanan Island, Balabac initiated

The MOA with Jewelmer was finally inked by Mr. Manuel Cojuangco and KFI President Zubiri in December 2010.

Activities on Pandanan are co-financed by PCCP and WWB USFWS Funds.

Nest protection and wardening scheme

In November, surveys in northern areas of Pandanan Island were conducted particularly in Locappo, Lamao, Dalinding and Gabong areas. We characterized four cockatoo nest trees which indicated some preparatory activities for the breeding season 2011. Please refer to Table 1. Most of these were occupied and hatchlings were poached in the past years according to wardens. Another four potential nest trees were characterized; one of which was said to have been occupied by cockatoo this year but was discovered only at later stage. Its hatchlings though were observed to have successfully fledged.

During the survey, cockatoos were observed feeding on fruits of Baro tree.

In regular patrols and monitoring of nest trees, wardens observed indications of occupation in some nest trees (twigs cut, nest holes cleaned). Likewise, wardens recorded some illegal activities e.g. Nato trees cut in different sizes in Kamilit area. Two other trees were cut in desired sizes in Tagbinuang area in November.

After training, the newly recruited warden started his full service in September. Mr. Panggal is familiar with locations of nest trees.

All requirements for application for deputation of wildlife wardens were completed and submitted to the DENR. This is the first application under DENR since project implementation and hopefully will help wardens in their duties.

A new service boat was acquired through the WWB-USFWS Funds.

Roost site monitoring

The highest count within the period reached 80 individuals in October (Fig. 7). This is so far the highest count since we started roost counts in May 2010 in Tago-

tago Beach, Malinsuno Island. Likewise, this is nearly four times the number of the first counts on Rasa when the PCCP started in 1998.

The number has dropped significantly in November (Fig. 7). We suspect another roost site, probably in Bugsok Island, is being used apart from the four sites we are monitoring regularly. This yet has to be verified.

About 15 cockatoos from Pandanan Island were observed crossing the channel heading to Malinsuno roost site in late afternoon in October. Tens of egrets were

observed fighting with cockatoos at the Malinsuno roost site. We also observed that cockatoos during strong winds preferred to stay in lower perches of coconut palms.

In November, we received reports that six cockatoos left Buliluyan area (the southernmost tip of mainland Palawan which is 20 minutes boat ride to Malinsuno Island) heading towards Malinsuno island. Cockatoo sightings in Buliluyan were reported especially during fruiting season of the *Sonneratia alba*.

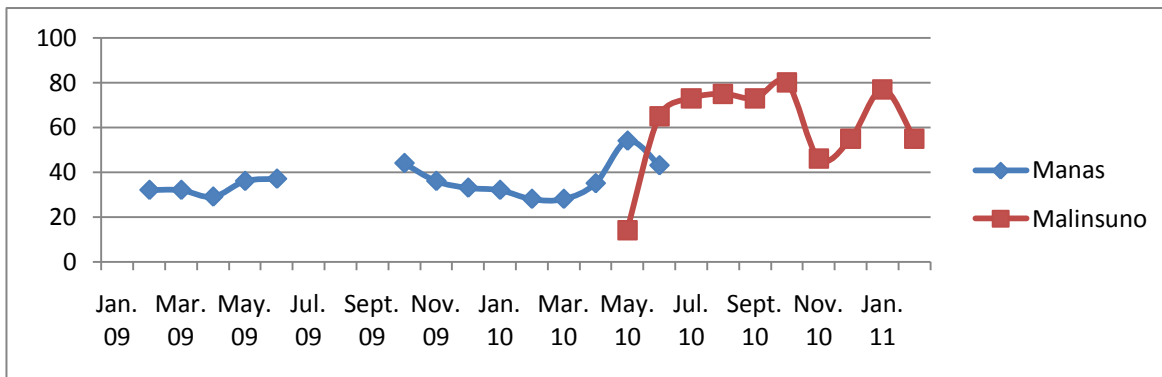


Figure 7. Maximum monthly numbers of cockatoos counted in two roosting sites in Brgy. Pandanan, Palawan. The roosting site Manas was given up mid of 2010, possibly due to die-off of coconuts used for roosting. A monitor lizard was also observed climbing the coconut roost trees.

Conservation education and confidence building

Rene Antonio, Pandanan site coordinator attended the Biodiversity Monitoring System (BMS) Training Workshop in Quezon, Palawan in October. This was to gain knowledge and experience on how to

establish BMS in protected areas for monitoring purposes.

We re-printed 500 copies of brochures which were distributed to PNP, Coast Guard, and KSK in Balabac.



Figure 8. Brochure about the most hunted and trapped Palawan wildlife was reprinted through the WWB-USFWS Funds. This was a useful tool in the information campaigns conducted in the area and as well for the law enforcement agencies and authorities. ©KFI

Constraints and measures taken

- The newly acquired service boat facilitated the mobilization of wardens throughout the island especially that distance of nest trees from one to the other is far.
- We have planned to increase law enforcement visibility in the area for next reporting period in order to ensure no poaching of cockatoos next year.

Output 3: Conservation of cockatoo population on Rasa Island Wildlife Sanctuary (RIWS), Narra continued

Wardening scheme

Wardens assisted all landscaping works at KIEBC within the period. Please refer to Objective 7 for more outputs.

Requirements for renewal of deputation was completed and submitted to DENR.

Capacity building of the Protected Area Management Board (PAMB) of the Rasa Island Wildlife Sanctuary (RIWS)

The regular PAMB meeting was held on 3rd December 2010. Two board resolutions were approved during the meeting: (1) adoption of the wardening scheme and the release of the funds for the repair for the

birdwatch tower in Rasa Island. This PAMB meeting was attended by the Executive Assistant of Senator Juan Miguel Zubiri, KFI President.

Conservation education, eco-tourism and capacity building

On 22 October, we sponsored the Katala Fun Day in celebration of the 9th Palay Festival in Narra. About 200 Malunggay *Moringa oleifera* seedlings were planted in a private lot which was offered as site for the activity. The fun day was highlighted by the amazing Katala race kids' edition. In total, nearly 100 children were reached by the activity.

The Municipality of Narra approved one hundred thousand (PhP100,000.00) pesos from its development funds to assist the KIEBC work apart from the two hundred thousand pesos which was appropriated this year to augment incentives for the wildlife wardens. Another two hundred thousand pesos was approved to assist the wardening scheme in 2011.

Table 1. Characteristics of new and potential nests in Pandanan Island, Balabac, Palawan, Philippine Cockatoo Conservation Program, ©KFI

Nest No./ Wildlife Occupant	Nesting Tree		Location	Estimated Measurements (meters)							
	Scientific Name	Local Name		Nesting Tree			Nest hole				
					DBH (cm)	Height (m)	Nest height (m)	Hole Dia. (cm)	Orientation and position of hole	Hole depth (cm)	Bot. width (cm)
PN 11 Phil. Cockatoo		Bayoso	Dalinding Area	169 at 6.5 m	45.3	35.3	N/A	Facing north east/sidewa ys	N/A	N/A	Branch/Alive
PN 13 Phil. Cockatoo		Arisurang	Locappo	172 at 4.5	55.3	46.3	N/A	Facing west/sidewa ys	N/A	N/A	Branch/Dead
PN 14 Phil. Cockatoo		Bayoso	Pogkot	98 at 7.5 m	N/A	N/A	N/A	Facing south west	N/A	N/A	Branch/Alive
PN 15 Hill Mynah		Bayoso	Pogkot	147 at 5.5 m	35.3	31.3	N/A	Facing west/sidewa ys	N/A	N/A	Branch/Alive
Pan 13 Phil. Cockatoo	<i>Dracontome lon dao</i>	Dao	Ganod	203 at 8.5 m	N/A	N/A	N/A	Facing south/inclin ed upwards	N/A	N/A	Branch/Alive
Pan 14 Phil. Cockatoo		Salogon	Lamao Forest	117 at 2.7 m	39.3	26.3	N/A	Facing south/sidew ays	N/A	N/A	Trunk/Alive
Pan 15 Phil. Cockatoo	<i>Dracontome lon dao</i>	Dao	Pasi – Pasi Forest	107 at 8.5 m	52.3	45.3	N/A	Facing east/sidewa ys	N/A	N/A	Branch/alive
Pan 16 Phil. Cockatoo		Bayoso	Dalahican	126 at 4.5 m	51.3	45.3	V – 6.1 H - 4.8	Facing south east/sidewa ys	41	6.1	Branch/Alive

RIWS was visited by tourists and birders among them were supporters from Australia who were impressed of the many cockatoos observed at the roost site. There were as well visitors from South Korea, France and Manila who were

equally awed by the cockatoos at the roost site which looked like white linens on the trees.

One warden participated in the BMS Training in October which was conducted in Quezon, Palawan.



Figure 9. Some pictorials during the Katala Fun Day in commemoration of the 9th Palay Festival in Narra, Palawan. Children enjoyed the Amazing Katala Race Kid's Edition. ©KFI

Systematic collection of data on breeding and feeding biology and population dynamics of Philippine cockatoo continued

At the traditional roost site, the highest count we had was in October and December at 196 individuals (Fig. 10). We did more than three roost counts (dusk and dawn) per month. The precipitation record for the last quarter was between 94-394mm.

On mainland Narra, the highest count within the period was 72 individuals in

December (Fig. 11). In November, we observed in four consecutive days that the number of cockatoos in Marcelo area ranged from 53-68. In December, another four straight days mainland volunteers observed 35-60 birds in the morning. There were observations of five birds in the town proper as well in December.

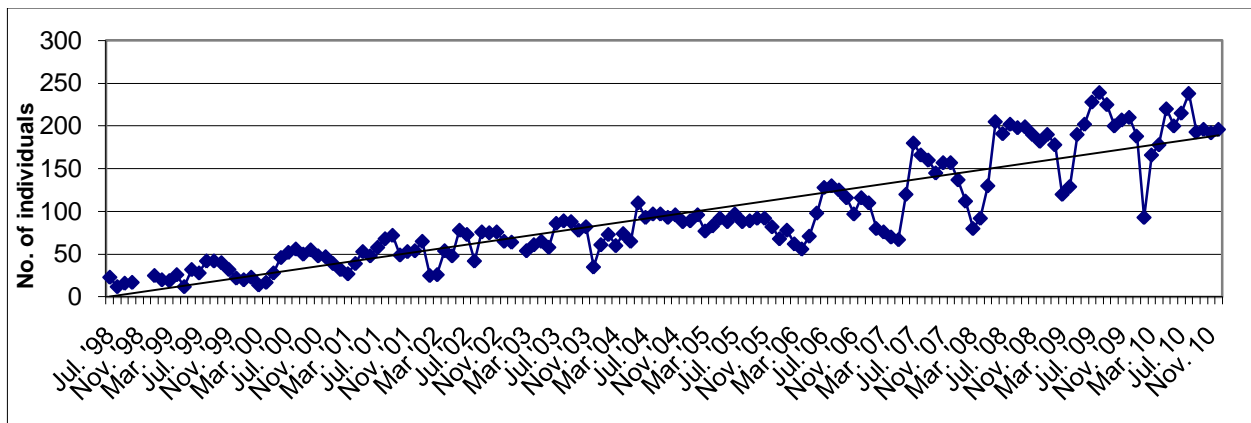


Figure 10. Monthly roost counts of Philippine cockatoos at the traditional roost site, Rasa Island, Palawan.

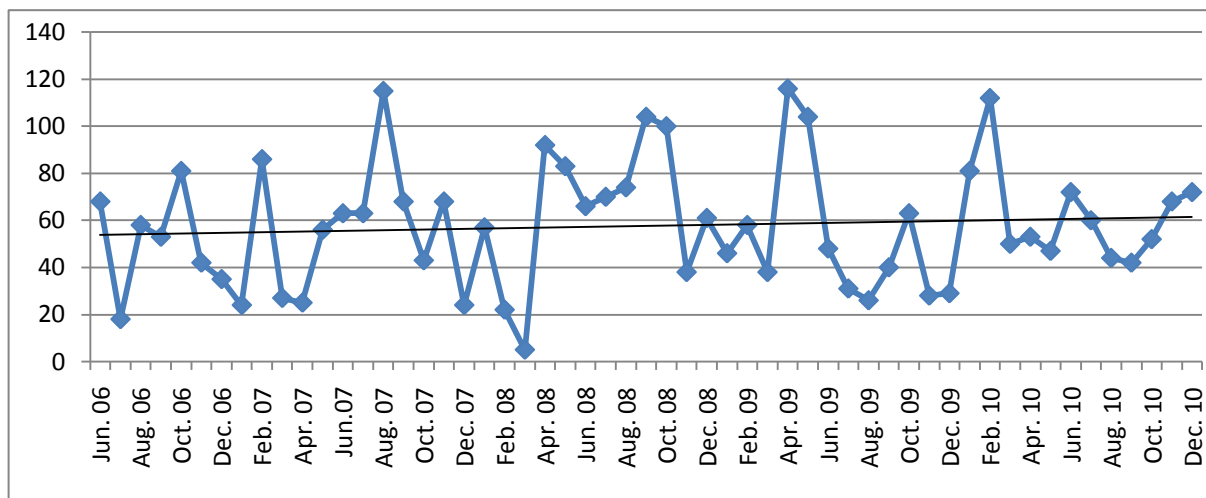


Figure 11. Maximum numbers of Philippine cockatoos counted on the mainland opposite Rasa Island on a single day.

Constraints and measures taken

- The adoption of the wardening scheme by the PAMB through a resolution is a step forward to institutionalize the nest protection scheme. With such development, we are working on securing national funds for the said scheme in the next years.

Output 4. Conservation of cockatoo population on Dumaran Island, Dumaran continued

Wardening scheme

Four nest trees (two of Blue-naped parrot and two of Blue-headed racquet-tail) were flashed with iron sheets in preparation for the breeding season 2011.

Perpetrators of kaingin (slash-and-burn) farming practice and illegal cutting of trees threatened our volunteers and wardens. We had to pull out two wardens from project site including our site

coordinator in December after we filed legal complaint against a certain Eden Ponce. The warrant of arrest was served but the suspect rendered bail.

KFI team (wardens and SHDiaz) with PNP Dumarán investigated an illegal chainsaw activity in December where high-valued trees had been cut into desired sizes (Table 2).

Table 2: Observations of cut trees inspected by KFI and PNP Dumarán in December at Sto. Casipulo, Sto. Tomas, Dumarán

Local Name of Tree	Number of Cut Trees	Diameter & Sawed Length	Remarks/Status of Cut trees
Ipil <i>Intsia bijuga</i>	14 pcs	20-87cm, 10-18feet	Only slabs left at sawing site Most of the Ipil trees were still young with diameters ranging from 20-40cm
Bogo <i>Pometia pinnata</i>	1 pc	90cm, 20ft long	Lumber contained marks of
Amugis	2 pcs	90cm, 30-40ft 70cm	Not cut in sizes yet.
Bulabog	1 pc	100cm, 30-40ft	Cut down only not sawed yet.

Capacity building

Both LPAMC and ECAN Regular Meetings were conducted in December. Highlights of LPAMC meeting included the approval of the workplan for 2011, approval of the funds for IEC in Dumarán and the discussions on the illegal activities. The new Mayor expressed his full support to the KFI and its activities on Dumarán including that of our proposal to establish a critical habitat under local ordinance. This move hopefully will save other remnant forest patches in Dumarán Island. This also provides a corridor for wildlife in the area.

During the ECAN Meeting, it was agreed that a 150m buffer zone shall be saved from the *Jatropha* proposed project on the island. Said project was held for implementation because of lacking documents.

The newly elected Mayor committed for a one hundred thousand pesos (1,666€) for IEC activities for next year.

Conservation education

With the financial assistance from Rare USA, the NGO who sponsored the successful Pride Campaign in Dumarán way back 2003-2005, we completed the second post-project survey in October. This is part of the longitudinal study of the pride campaign. Analysis of survey results will be available next year.

Create buffer zones around existing cockatoo reserves, preferably including creation of alternative livelihood options

Assessment for tax payment of the reforestation area (buffer zone of the Omoi Cockatoo Reserve) was completed.

As of 26 December, we had a total of 1,109 seedlings composed of at least five species kept at the reforestation site. Registration of all planted trees and seedlings in the nursery is in process while an ocular visit was already done by DENR personnel from Roxas.

On this site, at least four more globally threatened vertebrate species were recorded and are likely benefiting from the restoration project.

Systematic collection of data on breeding and feeding biology and population dynamics of Philippine cockatoo continued

From September to December, roost counts at the traditional roost site in

Lagan recorded two digit numbers daily with its high at 30 individuals in November and lowest count was 12 birds in the month of December (Fig. 12).

Constraints and measures taken

- The threat especially by a certain Eden Ponce is still unresolved. We have aired our side to authorities and we hope immediate action can be done.

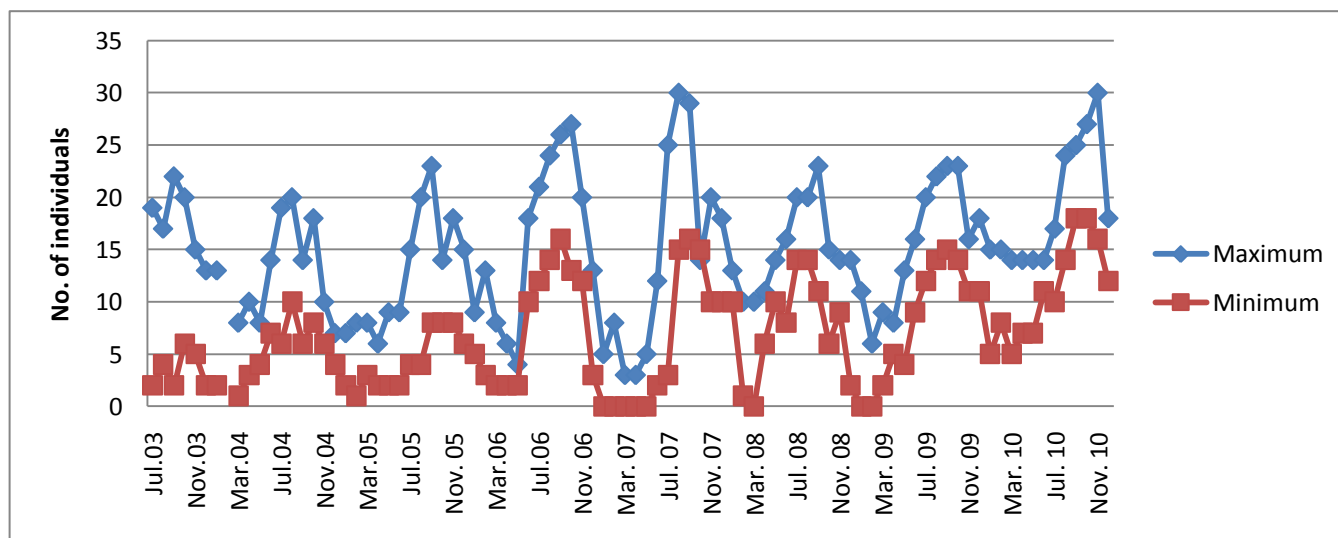


Figure 12. Monthly maximum and minimum numbers of Philippine cockatoos roosting at the traditional roost site in So. Lagan, Bgy. San Juan, Dumarán, Palawan.

Output 5. Conservation of cockatoo population in Culasian Managed Resource Protected Area (CMRPA), Rizal continued

Wardening scheme

The confiscation of chainsaw and apprehension of operators conducted by authorities in December within the protected area put our wildlife wardens at great risk. We had to pull them out of project site to protect them from the ire of illegal perpetrators. The case is still pending as to this writing. The cut tree was the same tree we reported in August to authorities but was left lying until

December when they had to cut into desired sizes.

All nest trees were monitored and occupants (Blue-naped parrot and Hill myna) started cleaning their nest holes.

The amendment to the sub-grant from CI-Palawan for the wardening scheme was approved until June 2011. We continue to lobby for the integration of the scheme to the MMPL general plan.

Renewal of wardens' deputation was submitted to DENR in December while deputation request through an Executive Order was submitted to the Mayor's Office.

Capacity building and conservation education

In September, PCCP organized the Basic Ecology Training with 20 out of school youth in Culasian as target recipients. Most of these young were children of the tribal community who cannot afford to go

to school and are direct users of the forests within the protected area. Bgy. Capt. Ong graced the event with some inspiring message for the KFI and the youth. Topics covered included the food chain/web, carbon, water and oxygen cycles, and Philippine cockatoo status and importance.



Figure 13. Out of school youth participated actively during the Basic Ecology Training in Culasian. ©KFI

Two of the wildlife wardens attended the Biological Monitoring System (BMS) Training in Quezon, Palawan. This was sponsored by the MMPL. This training exposed the wardens on the establishment of BMS stations in a protected area. While doing the exercise in Bgy. Tagusao, Quezon, wardens observed many caged birds in the area and some cut trees. There were DENR personnel but none seemed to react on these observations.

LPAMC regular meeting convened on the 18th November 2010. Highlights were the deputation through executive order, approval of the LGU financial counterpart of two hundred thousand pesos (3,333€) for 2011, and the breeding season workplan approval.

Through the financial grant from the German Embassy, Manila, five public toilets and two deep wells were constructed in Culasian. The toilets were strategically located for use by wider

public while the deep wells were established mainly as source of water for our target communities. Training on proper use of the toilets was also conducted by KFI staff. The construction was lead by KFI through SHDiaz and the wardens, children and women alike were instrumental in its completion.

Systematic collection of data on breeding and feeding biology and population dynamics of Philippine cockatoo continued

In Ransang the only possible cockatoo nest tree was monitored but no signs of occupation. Two individuals were sighted in December. Major problem in the area is vast clearing of areas through slash and burn. It was reported that people were clearing the area to sell to land speculators.

Constraints and measures taken

- With the extension of the CI financial assistance, we could start our literacy

program for the wardens by January 2011. This will help improve reporting skills of wardens.

- The creation of the PCSDS law enforcement team will hopefully help us counter most illegal activities in Rizal (mangrove and high-value tree cutting).

Output 6. Polillo Islands Parrot Conservation Project promoted

In November, Andeth Gomez reported four cockatoos in Duyan-duyan forest while our warden, Edgar, sighted one Kalangay Sitio Cabangan, Brgy. Patnanungan Norte and on the Tapat-Tapat nest tree in Sitio Inusukan.

Only coordination activities were done within the period especially that new officials were elected on site and new DENR officials were assigned. Liza, our coordinator, met with the mayor-elect in Polillo and OIC of CENRO-Real.

In collaboration with the Polillo Islands Biodiversity Conservation Foundation, Inc., Liza was able to attend the Inception Meeting and Workshop for the “Expanding and Diversifying the National System of Terrestrial Protected Areas in the Philippines Project (EDNaSTPAP)” on

18-19 November in Tagaytay City. This was seconded with the “EDNaSTPAP 2011 Planning Workshop” in 1-3 Dec in Angeles City, Pampanga. The possibility of collaboration with this project is through awareness campaigns and capacity building for Bantay Kalikasan and the LGU to strengthen their capability to protect and implement relevant environment laws and possibly to extend more areas under local protection status.

Indira met with William Oliver, Errol Gatumbato and Liza Dans in December to discuss the major activities that could link two projects of the PBCFI and the KFI for the Polillo initiatives.

The Gratuitous Permit was granted finally by DENR Region 4-A; said permit is valid for a year.

Constraints and measures taken

- The forests of Burdeos and Panukulan need immediate attention as illegal cutting and use of chainsaws are rampant. With cooperation from DENR, we hope to effect more law enforcement and visibility of enforcers in the area and to encourage residents to plant endemic and native species especially along the rivers.



Figure 14. Community members were all involved in the implementation of this important project and not only the wildlife wardens and their families were engaged. Women wove nipa for toilet roofing. Children helped in sand screening and hauling. ©KFI

Output 7. Katala Institute for Ecology and Biodiversity Conservation further developed

Landscaping and development of the KIEBC

- **Landscaping.** In October we continued backfilling muddy trails to and within KIEBC with rice hulls. In December we added gravel on the road that connects the National Highway to the Center.
- **Fencing.** In the third week of September we started construction work for the permanent fencing of KIEBC. We used prefabricated concrete post and barbed wire.



- **Nursery.** In September we planted 132 Malunggay in KIEBC near the IEC hut. In November we planted 12 Talisay saplings near the turtle water tank system. As per December 2010 we had 2,057 seedlings in the nursery.



Figure 15 (left picture). Permanent perimeter fence at KIEBC (left and right). ©KFI

Figure 16 (picture above). Malunggay seedlings and planting work inside KIEBC. ©KFI

- **Water supply.** To protect the water pump and electric accessories from rain we built a protective roof. This was extended to the clinic area.



Figure 17. Pressure tank for water supply. ©KFI



Figure 18. Also the clinic and food preparation area has now running water and protective roof. ©KFI

- **Self-monitoring-report (SMR).** The SMR for the 3rd quarter was submitted to authorities on October 15, 2010.

Philippine Cockatoo

Cockatoos performed well during the reporting period. Silver that was wing clipped in August did not try any attacks ever since. Violet did not nibble on her neck wound but whenever feather growth had reached an almost normal level she plucked again. Pandanan plucks feathers as well. We expect that the birds will continue showing this kind of disturbed

behavior but they seem otherwise healthy. All are fed twice a day following the original feeding schedule. We did not weigh them during the reporting period because we agreed to do so only in case of diseases or problems in order to avoid unneeded stress.



Figure 19. Silver, the dominant male. ©KFI



Figure 20. The aviary is now nicely covered with vegetation protecting the birds from heat, strong wind and view. ©KFI

Philippine Freshwater Turtle Conservation Project (PFTCP)

Assurance colony. As of 31 December 2010, KIEBC holds an assurance colony of 31 *S. leytensis*, 33 *Cuora amboinensis*,

10 *C. dentata*, and 1 *Dogania subplana*. All were monitored and underwent thorough health inspections on a weekly basis.

Incidents of shell rot continued to occur (# 1, 70, and 24) and were dry docked and treated with *Betadine*. Extensive periods of dry docking do however result in respiratory problems and we had to start them on antibiotic treatment. We found out that dry docking for only few hours reduces stress and can avoid the development of respiratory problems; shell rot however takes then much longer in healing.

One turtle (# 36) had a large abscess on left front leg which was inspected by wildlife veterinarian Dr. Glenn Rebong. It was only after some three months that it finally healed after we had decided to open the wound to remove the pus.



Figure 21. *S. leytensis* # 36 with abscess. ©KFI

One female Philippine Forest Turtle (# 37) was found drowned in the enclosure on September 9. This might be the cause of violent mating.

Mating was regularly observed in *S. leytensis* # 46 with # 47 and *S. l.* # 9 with 6. No mating observation for *C. dentata* but continuous mating in *C. amboinensis*. Most of the female Southeast Asian Box Turtles had swollen and wounded necks due to violent mating.



Figure 22. *Cuora amboinensis* with swollen neck as cause of excessive mating. ©KFI

Husbandry. On Aug. 31, all except three *S. leytensis* that are still under treatment were transferred to the new enclosures that were funded by TSA/TCF. Each female was paired with a male, while the remaining males were put in individual cells. The new system allows that water from the 20 new enclosures is drained into a tank system wherein water is biologically cleaned and pH reduced. Tanks are drained and cleaned on a weekly basis every after feeding animal protein. Water quality, that is pH, ammonia and temperature are monitored daily.



Figure 23. Water quality of the turtle enclosures is measured on a regular basis. ©KFI

The new system improved the water quality significantly but it did of course not solve all health problems in an instant.

We still had some incidence of shell rot as mentioned above. We might only know how effective the new system is after one year or two. Definitely it reduced the workload considerably and keeper Angel can manage to clean all turtle enclosures incl. those of the other two species in two days with the assistance of two wildlife wardens only.

Repairs. We had first leakages in some of the new *S. leytensis* enclosures which were fixed in September. Small and large quarantine enclosures received maintenance and repair in October. The *Dogania* enclosure was repaired as well.

IEC. Two major IEC projects are currently implemented under the PFTCP:

- “In situ conservation of the Philippine Forest Turtle *Siebenrockiella leytensis* through information education”. During the reporting period, an average of 10 IEC interventions was conducted monthly to reach the various target groups in the barangay. A total of some 564 people were reached during the reporting period. Monitoring visits of the project were conducted by the project director in October and December 2010. A post project survey was conducted in the control group in December while the same survey is scheduled for January 2011 in the project site.



Figure 24. Post-project survey in the control group. ©KFI

- Within the reporting period the following activities were conducted under the project entitled “BACOCO – Conservation of the Philippine Forest Turtle *Siebenrockiella leytensis* in Palawan”:
- Communication with all DENR Regional Executive Directors regarding registered turtles and breeding facilities.
- A total of some 32 IEC interventions were conducted.



Figure 25. IEC at Magara Craftsmen School in Roxas. ©KFI

- IEC materials such as T-shirts, bags, calendars and book marks were distribution during all IEC events.

A pet market survey in Manila was conducted in November and a similar survey in Cebu was scheduled for early 2011.

Sabine in her role as Director of the PFTCP met with Dr. Manila at DENR PAWB to report on the status of the various turtle projects covered by the program. Of special interest to PAWB were our reports on illegal trade activities involving freshwater and marine turtles. The PFTCP workplan for 2011 was submitted as well. In addition, the possibilities to obtain Palawan porcupine for our new enclosure in KIEBC was discussed.

Continue submitting proposals to other potential donors

- Funding for additional IEC materials (brochure) under the BACOCO project was granted by Cleveland Metropark Zoo in November.
- Funding for a project to assess the home range and seasonality of the Palawan-endemic critically endangered Philippine Forest Turtle *Siebenrockiella leytenensis* (Taylor, 1920) was approved by NEZS. The project will start 2011.
- Funds allocated by the Puerto Princesa City Mayor to support PWRCC in the husbandry and quarantine of confiscated birds and other wildlife had been channeled through KFI and served to employ an additional keeper, renovate the quarantine area and to buy cages and feeds.



Figure 26. New quarantine cages that had been constructed at PWRCC. ©KFI

- We received donations from Chris Shank (USA) and Bristol Zoo (UK) members through Nigel Sizer. Donations will be used to purchase data loggers and wardens' supplies.
- Diverlie Acosta submitted a turtle conservation proposal to the Durrell Wildlife Conservation Trust after she

had attended ISLA training in September.

- A draft concept proposal was submitted to UNDP Small Grant Program GEF4.
- Diverlie submits application for extension of the project "Population Trends of the Philippine Forest Turtle *Siebenrockiella leytenensis* (Taylor 1920) in Northern Palawan" to IDEA Wild.
- Concept proposal for PFTCP was submitted to potential funding partners.
- A proposal entitled "To see is to believe: Camera trapping of the critically endangered Philippine Forest Turtle *Siebenrockiella leytenensis*" was submitted to Cleveland Metroparks Zoo.
- Diverlie and team submit proposal entitled "Habitat characteristics of and ecological interactions among sympatric freshwater turtles in Palawan, Philippines" to the Conservation Leadership Award.

Constraints and measures taken

- During the cockatoo breeding season when wardens are needed on Rasa Island we would need additional manpower in KIEBC during cleaning days.
- The bathroom in KIEBC needs tiles.
- Night patrols in KIEBC need to be improved among keeper Angeles and assistant keeper Doy.

Other highlights

Philippine Birdfest and 1st Asian Birdfest

PCCP/KFI participated in the 6th Philippine Bird Festival and 1st Asian Birdfest in Davao City on 23-25 September 2010. We put up an exhibit, conducted cockatoo face painting,

coloring activities and rendered lectures for visiting students and guests at the exhibit area. Rene Antonio and Diverlie Acosta represented the PCCP/KFI during the festivities to include the 1st Asian Birdfest and the Bird Conservation Forum. Attendees were from different foreign and local organizations e.g. Asian raptor research and conservation network, bird groups from Nepal, Thailand, Myanmar, Borneo, Taiwan, Hong Kong, Thailand, Malaysia, Singapore, United Kingdom, and China.

PBFD results

After completing all requirements for the export of the 12 cockatoo feather samples, we got the results from Biobest Diagnostics, UK in November. All samples were negative of PBFD. Samples were from three project sites: Rasa Island, Dumaran Island and Pandanan Island.

Bgy. Iwahig and school visits/presentations in Puerto Princesa City

In November, we conducted conservation education campaign at the Iwahig Elementary School and with the Ecotourism Association members. Graders four and five were very much interested in the lectures and along with teachers were given posters and information materials. Iwahig has a confirmed sighting of Philippine cockatoos. In November, ca 30 individuals were reported to our office.

Meanwhile, we conducted school visits and lectures in the following schools:

Palawan State University. During its Science Month celebration in September, lecture on biodiversity conservation with emphasis on cockatoo and turtle conservation was conducted. An exhibit was also organized for the event.



Figure 27. Information campaign was conducted Iwahig Penal Colony at the elementary school where sightings of Philippine cockatoos were reported. ©KFI

- *Western Philippines University.* During its Ecology Week in October, around 300 Fisheries and Aquatic Biology students were reached through lectures.
- *Holy Trinity University.* Around 60 college students were reached. Information materials were distributed.

Pet market survey in Davao City.

Three pet stores were visited and in all three no cockatoos were traded. In one store, two Hill mynahs from Palawan were on sale at PhP4,500.00 per bird. A pair of hedgehog was also noted in the shop with the price of PhP4,500 per pair.

Christmas give-aways

In austerity, there was no Christmas salu-salo this year. Instead, grocery packs were distributed to all wildlife wardens, volunteers and staff in December.



Figure 28. Wildlife wardens with their grocery packs courtesy from KFI sponsors and donors. ©KFI

We are grateful to our generous donors and sponsors: Vivencio David and friends from Clark, Mayan Mojado and Moonyeen Dante from Thailand, Joel Gimenez from Manila, Randy Ypon from Manila, Klaus Lachenmaier and friends from Germany, Debbie and Erwin van den Beukel from Netherlands, Rico Glorio and Cecille Singson from the USA, Elisita Ponce from Manila, Irene Lacerna from Dubai, Mario Lilio Valenzona,, Carlo Loreto and Carmel Abejuela from Baybay, Joie Matillano from Puerto, and from an avid supporter. Ms. Chris Shank from the USA also contributed. We also thank the Wild Bird Club of the Philippines especially to Alex Tiongco, Marites Cervero and Mike Lu for the many boxes of used clothing they shared with us for distribution to wardens and families.

New PCCP logo

A new design of the PCCP logo will be used starting next year. The said logo was designed by a former staff and artist, Rolito Dumalag.



Figure 29. The new PCCP logo will be used officially next year. ©RDumalag

Release of confiscated peacock pheasants at Central Park Station in Sabang

KFI in collaboration with PWRCC, Palawan NGO Network Inc. (PNNI), Global Legal Action on Climate Change (GLACC), PAMB, and Puerto Princesa City Mayor, six confiscated peacock pheasants were released at Central Park Station on 25th September.



Figure 30. Release of peacock pheasants was witnessed by Dina Ibanez our turtle staff at Tagabinet. ©KFI

Calamianes Project Cooperation with FFI-Philippines Program

A preliminary report about the herpeto fauna of Culion and Busuanga was submitted to our project partners under the Calamianes Project Cooperation. Lisa Panguntalan attended PCSD council meeting on Oct. 29, 2010.

Other remarkable records/events

- During the Philippine Birdfest, we were informed by Wild Bird Club member Ivan Sarenas of his observation of flocks of cockatoos in the island of Tawi-tawi ca. 40 individuals, in Bilatan Island (also spelled *Bellatan*). Other sightings received were from Surigao del Norte.
- In September, highest number of Philippine cockatoos sighted in Tagabinet area (buffer of PPSRNP) was 10 mainly in the morning between 7-10am in several ricefields in the area. Birds do not occur in large flocks but rather individually or in small groups and they sleep in their nest trees unlike in Rasa where they roost together in coastal trees. We were able to identify a large Dipterocarp tree (Apitong) that serves as cockatoo nesting tree in the area. This daily observation was submitted by Mr. Romeo Bindulo from So. Ambag, Bgy. Tagabinet.



Figure 31. Cockatoos sighted in Tagabinet.
©JvBeijnen



Figure 32. Cockatoo nesting tree in Tagabinet. ©KFI

- Site visit in Bgy. Buliluyan, Bataraza was done in September. Interviews revealed 10-15 cockatoos frequent the area apart from reported sighting of a separate population in So. Kamanga
- During trade surveys in Aborlan we identified Barangay Cabigaan as important source area for Hill Mynah, Blue-naped parrots and eventually also Philippine cockatoos.
- A dead Omura's whale was found entangled in the seaweeds line offshore Pandanan Island in November. The carcass measured ca. 13m long, estimated live weight was 500kgs. Snout was broken; skin was already bloated with white small bubble. Strong odor. No dorsal fin noted; back vertebrae were already exposed with massive broken bones. Tail was already destroyed. Its death was probably due to collision with the tanker that frequently passed over the Balabac corridor.
- Senator Juan Miguel Zubiri is assessing the PCCP as his master's thesis in MSc in Natural Resource Management at the Open University offered by the University of the Philippines.

Papers published, submitted for publication to relevant journals, relevant reports and media mileage

- Final report of the project “Captive care of the Palawan porcupine *Thecurus pumilus*” was submitted to ZGAP and funding partners in October.
- Final report of the project “Husbandry of *Siebenrockiella leytenensis* (Taylor, 1920) in its only range country assurance colony” was submitted in October.
- Performance and financial status report of the project “BACOCO – Conservation of the Philippine Forest Turtle *Siebenrockiella leytenensis* in Palawan” was submitted in December.
- The final report for the project “Water supply and sanitation in Culasian, Rizal, Palawan” was submitted to the German Embassy under its small scale livelihood projects in December.
- Diesmos, A.C., J. Buskirk, and S. Schoppe, *accepted*. *Siebenrockiella leytenensis* (Taylor, 1920) – Philippine Forest Turtle. In: Rhodin, A.G.J., Pritchard, P.C.H., van Dijk, P.P., Saumure, R.A., Buhlmann, K.A., Iverson, J.B., and Mittermeier, R.A. (Eds.). Conservation Biology of Freshwater Turtles and Tortoises: A Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group. Chelonian Research Monographs No. 5, xx-xx, <http://www.iucn-tftsg.org/cbftt/>.
- Schoppe, S. and I. Das, *accepted*. *Cuora amboinensis* (Daudin, 1802) Southeast Asian Box Turtle. In: Rhodin, A.G.J., Pritchard, P.C.H., van Dijk, P.P., Saumure, R.A., Buhlmann, K.A., Iverson, J.B., and Mittermeier, R.A. (Eds.). Conservation Biology of Freshwater Turtles and Tortoises: A

Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group. Chelonian Research Monographs No. 5, xx-xx, <http://www.iucn-tftsg.org/cbftt/>.

Summary of relevant seminars, expeditions and workshops organized and attended

- ISLA (Island Species Led Action) Training, 12-22 September 2010. Iligan, Misamis Oriental. Diverlie Acosta, PFTCP/KFI staff was scholar, sponsored by Durrell Wildlife Conservation Trust.



Figure 33. Diverlie and other participants of the ISLA training.

- Training for City Information Office and Bantay Puerto, 14 September 2010. Puerto Princesa City. Sponsored by PCSDS.
- Environmental Forum and Exhibit, 23 September 2010. Puerto Princesa City, Palawan. KFI put up a booth showcasing its activities and efforts to combat climate change.
- Birdfest and 1st Asian Birdfest, 23-26 September 2010. Davao City.
- Lecture during the PSU Science Month celebration, 23 September 2010. PSU grounds, Puerto Princesa City, Palawan. KFI participated by putting up booth and giving lecture on biodiversity conservation.

- Samal Survey, 25-28 September 2010. Samal Island, Davao.
- Basic Ecology Training and Seminar for out of school youth, 25-26 September 2010. Culasian, Rizal, Palawan.
- UNDP-SGP Stakeholders Meeting, 27 September 2010. Puerto Princesa City, Palawan.
- Lecture during the Ecology Week celebration at the WPU. 7 October 2010. WPU campus, Puerto Princesa City.
- Palay Festival, 19-20 October 2010. Narra Palawan.
- BMS Training, 26-28 October 2010. Quezon, Palawan. Sponsored by MMPL.
- Dumaran 2nd post project survey on Pride Campaign, 25-29 October 2010. Dumaran, Palawan.
- PARDEC Meeting. As member of the Palawan Research and Development Consortium (PARDDEC) KFI attended three meetings during the reporting period. Main agenda were introduction of the group to the new Governor, and the proposed regulations for exemption of members for Sep Clearance for Scientific Studies.
- Implementation of water system and sanitation project, 1-22 November 2010. Culasian, Rizal, Palawan. This project was mainly funded by the German Embassy, Manila.
- MMT Meeting, 26 November 2010. Dos Palmas, Palawan. KFI sits as member of the multi-partite monitoring team for the Dos Palmas Resort.

Equipment status and office

- A new service pumpboat with 13 horsepower engine was acquired for

Pandanan project site through the funds from the WWB-USFW.

- The roofing of the KEEC in Dumaran needs immediate replacement otherwise the beams which are only made of coconut lumber would become weaker. Meantime, repairs of the native walling were completed by wardens.
- Katala service boat in Rasa had repairs within the period.
- The Katala Foundation Puerto Princesa office will move to a new address at 2nd Floor, JMV Bldg., National Highway, Sta. Monica, Puerto Princesa City, Palawan. Its telephone and fax number shall remain the same.



Figure 34. Wardens took time to repair and maintain the KEEC in Dumaran. ©KFI

Implications for further work

- There is need to investigate possible roost and nesting sites in Bugsok Island. In the past surveys, several potential nest trees were visited. Another roosting site probably exists within the very restricted areas of the Jewelmer Company.
- The establishment of a critical habitat through local legislation or national legislation pursuant to RA 9147 in Dumaran was discussed during Indira's visit to PAWB with Director

Lim in December. This critical habitat is crucial for the protection of the remaining forest fragments in Dumaran Island which shall connect existing protected forests or save it from further destruction.

- The rampant illegal activities in Rizal pose a major threat to our wardens and their work. With the re-activation of the law enforcement team of the PCSDS, we are hoping we can be ably assisted in combating such activities. We are closely coordinating with the legal department of the said office.

Planned targets and activities for the next reporting period

Objective 1: Conservation of cockatoo population on Pandanan and Bugsuk Island, Balabac

- Warden scheme on Pandanan Island continued and extended to Bugsuk Island.
- Survey cockatoo population and habitat assessment on Bugsuk Island conducted and monitoring on Pandanan continued.
- Networking with local stakeholders, particularly with Jewelmer Corporation, the largest private landowner, continued.
- Conservation education on Pandanan Island continued and extended to adjacent mainland and Bugsuk Island.
- Small livelihood projects for key-stakeholders continued.

Objective 2: Re-introduction of Philippine cockatoos into parts of the historical range

- Assessment of potential translocation sites and potential remnant populations within the historical range continued using the quantitative tool developed

during the re-introduction workshop.

- Workshops for a comprehensive Philippine Cockatoo Conservation Action and Management Plan conducted and results for re-introduction procedures incorporated.
- Translocation site preparation commenced, e.g. through conservation education, habitat restoration, improvement of legal frame conditions, once a suitable site is identified.
- Protocols for hand-raising of orphaned chicks with minimal exposure to humans and related facilities further improved.

Objective 3: Conservation of cockatoo population on Rasa Island, Narra

- Warden scheme continued.
- Members of the Local Protected Areas Management Committee capacitated in the management of the Philippine Cockatoo and Rasa Island Wildlife Sanctuary and meetings facilitated.
- Conservation education for stakeholders, particularly in mainland areas which are regularly frequented by cockatoos continued.
- Experimental habitat restoration on mainland initiated.
- Planting of food plants on mainland continued to offset damages on agricultural crops caused by cockatoos.
- Research on conservation-related aspects of cockatoo biology on Rasa continued, with focus on factors influencing breeding success and foraging ecology.

Objective 4: Conservation of cockatoo population on Dumaran Island, Dumaran

- Warden scheme continued.

- Incoming members of Local Protected Areas Management Committee assisted and capacitated in the management of the Philippine cockatoo, as well as Omoi and Manambaling Cockatoo Reserve.
- Buffer zone restoration around existing cockatoo reserves continued.
- Effectiveness of previous conservation education evaluated.
- Local government assisted in land use planning, particularly in respect to demarcation of extensive *Jatropha* plantations.

Objective 5: Conservation of cockatoo population in Culasian Managed Resource Protected Area, Rizal

- Warden scheme continued.
- Members of Local Protected Areas Management Committee capacitated in the management of the Philippine cockatoo and Culasian Managed Resource Protected Area and Culasian headwaters within the Mt. Mantalingahan Protected Landscape and meetings facilitated.
- Alternative funding sources for PA management further secured.

Objective 6: Support for Polillo Islands Parrot Project

- Warden scheme for Philippine cockatoo and other parrot species continued.
- Conservation education for threatened parrot species within the archipelago continued.
- Location for locally protected parrot reserve identified and promoted with stakeholders.

Objective 7: Katala Institute for Ecology and Biodiversity Conservation

- Captive management of Philippine cockatoo and other highly threatened species continued through employment and training of zookeepers and volunteers.
- Establishment of a training centre initiated.
- Quarantine area to accommodate rescued cockatoos and/or cockatoos destined for translocation improved.
- Landscaping with native species propagated in the Katala nursery continued and trail system initiated.
- Proposal submission to other potential donors continued.

Objective 8: Cockatoo Advocacy

- Palawan Council for Sustainable Development and other law-enforcing bodies assisted in formulation and implementation of regulations pertaining wildlife and natural resource management.
- Land use planning in project municipalities assisted.
- Conservation education campaigns conducted in Iwahig Penal Colony and buffer zone of Puerto Princesa Underground River National Park.
- Promotional video for the Philippine cockatoo conservation Programme produced and disseminated.

Worksheet September-December 2010, PCCP, Palawan, Philippines

IDLW-Indira Widmann, SS-Sabine Schoppe, SHD-Siegfried Diaz, MM-Maruji Manalo, AG-Angel Guion, RA-Rene Antonio, MP-Mike Plazos, IR-Ivy Regodos, DA-Diverlie Acosta, DI-Dina Ibanez, SDENROs-Special Deputized Environment and Natural Resource Officers

KEY PROJECT ACTIVITIES	DATE	INVOLVED PERSON(S)
Meeting with wardens, roost count at Malinsuno Island counted 70 cockatoo individuals	1-Sep-10	RA, wardens
PTPR write up and finalization	1-22 Sept 10	IDLW
Analyzing & consolidation of Rizal wardens data of August	1-Sep-10	IR
Cleaning of turtle hatchling	1-Sep-10	AG
Consolidation of raw data SDENRO, accomplishment reports, mainland data, bird list of RIWS	1-4 Sep-10	SHD
Follow up wardens personal documents at Municipal Civil registrar, Balabac, Palawan	3-Sep-10	RA
Backfilling of ricehull around tanks	3-Sep-10	Doy
Monitoring artificial nest boxes installed at forest patch at mainland and phenological data gathering (Rasa and mainland Narra)	1-3 Sep 10	SDENROs
Monitoring of cut lipil tree (Rizal)	4-Sep-10	SDENROs
Collection of water hyacinth in Aborlan, Palawan	5-Sep-10	AG
Visitation of Mayor Publico and Administration Officer Arnel Caabay	6-Sep-10	MM
Visitation at PNP Office, Balabac Palawan. Meeting with police officers. Distribution of Katala posters	6-Sep-10	RA
Minor repair of katala boat outrigger and engine	6-10 Sep 10	SDENROs
Preparation for ISLA training in Iligan City	9-10 Sep 10	DA, SS
Revised the IEC proposal for final and print/photocopy for distribution	10-Sep-10	MM
PCCP proposal write up for 2011-2012	1-Sep-10	IDLW
Meeting with Fred in preparation of his Dumarán trip.	11-Sep-10	SS
Meeting with wardens and zookeeper at KIEBC	11-Sep-10	SHD
Vist cockatoo roosting site at So. Lagan, Bgy. San Juan Counted 22 cockatoo individuals	11-Sep-10	MP, SDENROs
Meeting with Australian RIWS visitors and facilitate their trip to Narra. Revision of <i>S. leytensis</i> manuscript to be submitted to Chelonian Conservation Biology	12-Sep-10	SS, DA
Attendance to ISLA Training in Iligan City	12-22 Sep 10	DA
Attendance to LPAMC Meeting in Dumarán	13-Sep-10	SHD,MP
Speaker at PCSDS training for City Information Office and Bantay Puerto Office about wildlife trade in Palawan	14-Sep-10	SS
Attendance to ECAN Board Meeting in Dumarán;coordination with Dumarán COP re: procedure of concerned people affidavit execution	14-Sep-10	SHD
Assistance to Flor and Bal Condeza and Loloy Pineda at PNP office	14-Sep-10	MP
Tagabinet matters with Dina. Meet with Australian RIWS visitors. Assess status of confiscated animals at PWRCC	15-Sep-10	SS
Attendance to SB session in Dumarán	15-Sep-10	SHD
Checked and verified fresh cut timbers reported at So. Bulalakaw	15-Sep-10	MP, SDENROs
Cleaning of enclosures	15-Sep-10	AG, wardens
Follow up transactions at PNP office Dumarán	16-17 Sep 10	SHD

DBH measurement of felled coconut tree at tago tago beach roosting site of cockatoos in So. Malinsuno, Pandanan, Balabac	16-Sep-10	RA, wardens
Cleaning hatchling turtles, feeding, warm bath sick turtles 30min. daily and application of betadine for medication	16-Sep-10	AG
KIEBC inspection.	17-Sep-10	SS, AG, IR
Preparation for Bird fest, PSU exhibit and Rizal workshop	17-20 Sep 10	MM
Finalization of display for bird fest. Herp ID and preparation of preliminary report about herpetological survey Calamianes. Coordinate with James Mendosa and PWRCC release of peacock pheasants	20-Sep-10	SS
Calamianes matters. Finances. Herp id.	21-Sep-10	SS
Dismantled bodega near turtle tanks	21-Sep-10	AG, SDENROs
Put up booth at PSU for Science month.	22-Sep-10	SS
Proceed to PSU PAC for setting up of booths and attendance to opening of environmental forum; Coordination with Ivy re: Rizal workshop	22-Sep-10	MM, SS
Counting of materials materials for fencing	22-Sep-10	AG
Lecture and booth about biodiversity and environmental conservation in Palawan at PSU during Science Month celebration.	23-Sep-10	SS
Attendance to Environmental Forum and Exhibit	23-Sep-10	MM
Attendance to 1st Asian Bird festival in Davao City	23-26 Sep 10	RA, DA
Meeting with Program Co Manager and Admin Officer re: Filed case in Dumarán, submission of affidavit of Flor and Bal Condeza and Loloy Pineda. Subscribed by Mayor Pablico	23-Sep-10	MP, SS, MM
PTPR finalization/submission. KIEBC matters. Coordinate filing of logging case with Dumarán and Provincial PNP.	24-Sep-10	SS, IDLW
Application to CMZ for funding of IEC material under BACOCO project. Release of confiscated peacock pheasants and central park station in Sabang in collaboration with PWRCC, PNNI GLACC, PAMB, City Mayor. Drafting brochure about turtles / Philippine forest turtle (CMZ). Revision of abstract of CCB Schoppe et al article.	25-Sep-10	SS, DI
Basic Ecology Training and Seminar for OSY in Bgy. Culasian, Rizal	25-26 Sep 10	MM,IR, SDENROs
Checking of entry point of poachers at Dap dap area, Bgy. Pandanan	25-Sep-10	RA
Assisting pouring foundation of concrete post on KIEBC fencing works	25-29 Sep 10	SDENROs
Meeting with Rizal wardens, purchased goods for sari-sari store	26-Sep-10	MM,IR
Stakeholder meeting UNDP SGP at Badjao Inn.	27-Sep-10	SS
Submission of liquidation for 2nd quarter funds, salary charging of 3rd quarter funds	27-Sep-10	IR
Conduct Samal Island Survey at Samal Island, Davao; market surveys	27-29 Sep 10	RA,DA
TWG meeting with Dumarán wardens	27-Sep-10	MP, SDENRO's
Phenology identify flowering tree, fruiting trees, shedding and trees with formation of new leaves.	27-28 Sep 10	MP,SDENRO's
Financial and planning matters re confiscated wildlife at PWRCC. Finances.	28-Sep-10	SS
Proposal preparations for UNDP SGN GEF4. Finances	29-Sep-10	SS
Attendance to ECAN Board Meeting in Dumarán	29-Sep-10	MP
Send letter to all RED regarding registration of turtle keepers and breeders. Car check up and change oil. Finances	30-Sep-10	SS

Report writing and consolidation	30-Sep-10	RA
Wildlife monitoring in and around RIWS	1-30 Sep 10	wardens
Nest checking, monitoring, phenological data; Nest checking, monitoring, phenological data; Gathering & routine checking of claimants area	1-30 Sep 10	wardens
Maintenance of tree nursery and garden areas	1-30 Sep 10	SDENROs
KIEBC, assist turtle tank cleaning procedure	1-Oct-10	SS
Check turtles and measured water parameters in new enclosure	1-Oct-10	DA,AG, SS
Verification of reported chainsaw operation at So. Kasipulo, Bgy. Sto. Tomas forested area; consolidation and writing of September 2010 reports	2-Oct-10	MP,SDENROs
Revision of PFTCP concept proposal	2-Oct-10	SS
Cleaning of 25 pcs life jacket in KIEBC	2-3-Oct-10	AG
Sort pictures, work on final report porcupine / ZGAP	3-Oct-10	SS
Assistance in arrival of printed brochures at KFI office	4-Oct-10	MM
Submit the requirements for warden's birth certificate application; Submitted clear photocopied of police clearance of Rzal wardens	4-Oct-10	IR
Liquidations, BPI. Porcupine finances	4-Oct-10	SS
Site inspection visit of PCSDS re <i>S. leytenensis</i> loan agreement. Get loan specimens from PWRCC. PARDEC meeting 3 pm at Governors office	5-Oct-10	SS
Patrolling at the Pogkot Area, Pogkot Forest Bgy. Pandanan	5-Oct-10	Wardens
Transportation of <i>S.leytenses</i> from KIEBC to PPC	5-Oct-10	AG, IR
Follow up endorsement of deputation and tree registration at Cenro Roxas	6-Oct-10	MP
CENRO PPC re Tagabinet lot status. Payment of Biolab. Calamianes matters. Porcupine financial report.	7-Oct-10	SS
Attendance to WPU Ecology Week at Audio Visual hall with Lecture presentation	7-Oct-10	SS,MM
PFTCP concept proposal drafting.	8-Oct-10	DA, SS
Facilitate Tagabinet Lot details and map request at PPCity hall	8-Oct-10	MM
Coordination with Municipal Tourism Office re the preparation for KF activities on Palay Festival this year.	8-Oct-10	IR
Drafting of IEC brochure for freshwater turtles.	9-Oct-10	DA, SS
Sorted seedlings, reset nursery, facilitate wardens works at KIEBC	10-Oct-10	SHD
Orientation & assisting WPU students for Rasa trip	11-Oct-10	SHD
Financial matters with accountant; Discussions with Rare for post survey	10-11 Oct-10	IDLW
Dumaran matters, PTPR reproduction. PAMB preparations. PWRCC confiscation finances	11-Oct-10	SS
ES Isaub, HS San Jose: IEC turtle and cockatoo. Distribution and trade interviews in Aborlan and Inagawan.	12-Oct-10	DA, SS
CI-Rizal reports, Rare post project survey preparations, SDENRO reports	13-20 Oct-10	IDLW
BPI, finances, communications. Preparations Palay festival.	13-Oct-10	SS
Reviewing proposal of Culasian for implementation, wardens meeting in Rizal	15-Oct-10	SHD
Printing, photocopy and binding of PTPR for distribution	Oct 11-15-10	MM
Orientation & assisting WPU students for Rasa trip	11-Oct-10	SHD
Submission of quarterly report at SSS office; revision of Amazing race files for Palay Festival 2010	13-Oct-10	MM
Inagawan turtle survey	13-Oct-10	DA

Tagabinet matters with CO Dina. Request for reconnaissance in PPSNP. Porcupine final report submitted. Develop cockatoo IEC materials.	14-Oct-10	SS
SMR 3rd quarter. <i>S. leytensis</i> husbandry final report drafting. PFTCP concept proposal finalized and sent to ZGAP. salary disbursement	15-Oct-10	SS
Checked the shallow well interior part of So. Dalahican, Bgy. Pandanan; checking of boat case and engine	15-Oct-10	RA, wardens
Preparation and submission of SMR	15-Oct-10	DA
Guide visitor Debbie McGuinn, RIWS, Narra	15-Oct-10	SHD, IR
Preparations for post project survey Culion, Chester. Proposal writing.	16-17 Oct 10	SS
CENRO regarding land classification, PAO re nursery establishment in Tagabinet. PFTCP concept proposal, and home range proposal send to Chester. Preparations Palay festival Narra.	18-Oct-10	SS
Loading of tadtad for sawali making	18-Oct-10	MP, SDENROs
Tagabinet monitoring visit. Discuss carbon sequestration project. Submitted PFTCP proposal to TCF.	19-Oct-10	SS
Preparation and attendance to the 9th Palay Festival in Narra, Palawan and documents for Dumarán survey	19-Oct-10	MM, IR
Preparation for BMS training and Palay Festival. BPI regarding German Embassy deposit. Carbon sequestration Tagabinet matters.	20-Oct-10	SS
Coordination with Rizal warden re the BMS training in Quezon Rizal	20-Oct-10	IR
Attendance to Municipal Development Council Meeting in Dumarán Palawan; follow up IEC proposal budget; Fixing of sawali wall of KEEC	20-Oct-10	MP, SDENROs
Drafting of renewal application IDEA Wild. Drafting of turtle husbandry final report TSA/TCF.	21-Oct-10	SS
Processing of Katala Festival liquidation	21-Oct-10	IR
Katala Fun day during Palay Festival in Narra Palawan; planted around 200 malunggay seedlings near dike and canal of malagday Estero Farm	22-Oct-10	SS, MM, SHD, IR, AG volunteers
Site visit at Dalahican re: Monthly Meeting with wardens	22-Oct-10	RA, wardens
Rizal reports, contract signing with CI, festival preparations	20-22 Oct-10	IDLW
Drafting of IEC brochure for freshwater turtles. Picture selection.	23-Oct-10	SS
Received report on bacoco found in ricefield	23-Oct-10	MP
Report writing and preparation for Rizal trip and scheduled works	23-24 Oct 10	SHD
Facilitation of IEC final schedule in Iwahig and Firefly ICETA	23-24 Oct 10	MM
Inputs on Calamianes report.	25-Oct-10	SS
WWB report and finances; CI Report	25-26 Oct-10	IDLW
Meeting with JvB of Southsea Exclusive (SSE). Calamianes matters. Finances. Turtle husbandry finalizing report. Interview with Edgar Jose.	26-Oct-10	SS
Coordination with wardens and RAntonio for their training in Quezon	10.26.10	IR
Implementation of Culasian water system and sanitation Project	26-31 Oct 10	SHD, SDENROs
Renewal application Idea Wild submitted	26-Oct-10	DA
Attendance to Biodiversity Monitoring System (BMS) training at Quezon	27-Oct-10	RA, wardens
Dumarán 2nd post project survey	25-29 Oct 2010	MP, GP, enumerators
BPI. TSA/TCF <i>S. leytensis</i> husbandry final report submitted. Preparations for meeting at PAWB.	27-Oct-10	SS
WWB report and finances; CI Report; CI report submitted	28-29 Oct-10	IDLW

Finances external cockatoo projects. Pandanan interim report. Water quality assessment KIEBC	28-Oct-10	SS
Visit all project sites and lay-outed area for excavation, Rizal toilet project	28-Oct-10	SHD
Establishment of BMS site at Bgy. Tagusao, Quezon during BMS training	28-Oct-10	RA
Collection of talisay in Antipuluan, Narra	28-Oct-10	AG
Deadline submission of proposal for Durrell alumni. Meeting with Lisa Paguntalan. Lisa attends PCSD council meeting regarding Calamianes progress report.	29-Oct-10	SS
Follow-up the birth certificate registration.	29-Oct-10	IR
WWB report and finances submitted	1-Nov-10	IDLW
Pandanan matters with Rene. BPI re LPF deposits, replenishment of external funds, finances. CMZ awarded 484 USD for turtle brochure. Check up of car	2-Nov-10	SS
Pandanan reports; CI amendment 3; APP Narra, Rizal talk with Capt. Ong	3-Nov-10	IDLW
Culasian matters. Meeting with Joe Ibanez. Office rental payment. Pandanan matters, herp ID.	3-Nov-10	SS
Preparation of LGU funds balance sheet for Nara & Rzal	3-Nov-10	IR
Implementation of Culasian water system and sanitation Project	1-20 Nov 10	SHD,SDENROs
Barcoo interim report drafting. Misc.	4-Nov-10	SS
PAMB Narra agenda; carbon lot negotiations; letter for Hon. Zubiri; SDENRO Narra, Rizal and Dumaran	4-5 Nov-10	IDLW
Submission copy of resolution re: KFI counterpart from LGU Dumaran; consolidation of October reports	4-Nov-10	MP
Pardec meeting in Santa Lucia. Request for turtle IEC at Holy Trinity University. Design turtle survey for Cebu and propose to Joey Gatus. SDENRO and Conso Narra	5-Nov-10	SS
Deputation renewal; fund raising for December events; Jewelmer MOA finalization; survey pro for post project	5-7 Nov-10	IDLW
Sumbiling turtle interview and IEC	6-7 Nov 10	DA
Follow up tree registration at CENRO Roxas	6-Nov-10	MP
Finalization and submission of camera trapping proposal to Cleveland Metroparks Zoo. Aborlan turtle IEC. PAMB matters. Preparation for wardens deputation 2011. Workplans 2011. Update and financial report from PWRCC regarding confiscated animals	7-8 Nov 10	SS
PAMB resolutions; PLDT connection, Mary June follow up, Jewelmer visit; turtle brochure check	9-Nov-10	IDLW
CLP proposal proof reading. File transport permit for <i>S. leytensis</i> PPC-KIEBC. Dumaran survey finances.	9-Nov-10	SS
Inventory list.	10-Nov-10	SS
Discussed remaining activities in Dumaran for 2010	10-Nov-10	MM, MP
IEC in Holy Trinity University (HTU)	10-Nov-10	MM, DA
Coordination with Jewelmer staff re: survey at Northern part of Pandanan	11-Nov-10	RA
Aborlan turtle IEC (DA). Finances. PARDEC matters. Dumaran survey. PAMB preparations. SEC registration papers. Visa renewal documents.	12-Nov-10	SS, DA
Rizal LPAMC, PARDEC papers, Dumaran reports, MOA Jewelmer, contract of SS	12-13 Nov 10	IDLW
Memo SS, Philhealth, DOLE. SS contract, PARDEC, MOA Jewelmer	13-14 Nov 10	IDLW

CLP proposal discussions.	13-Nov-10	SS
Conduct Nest Survey at the Pogkot area	13-Nov-10	RA, wardens
Morphology of all turtles	12-13 Nov 10	DA, AG, Mbatac
Preparation for meeting at DENR PAWB re PFTCP.	14-Nov-10	SS
Observed one newly cut Nato tree, photo documentation of fresh cut tree	14-Nov-10	RA, wardens
Submission of CLP proposal.	15-Nov-10	DA
Nest visit at newly found nest at Ganob area and one potential nest, Get GPS readings and nest characterization	15-Nov-10	RA, wardens
Planted kangkong in enclosures	15-Nov-10	AG
Visitation to Aylon Zoo, Subic Safari, Meeting with PAWB staff, get cockatoo feather samples and visitation of various pet shops in Manila	Nov 16-19-10	DA, SS
Attendance to 14th LPAMC Meeting in Rizal, Palawan	18-Nov-10	SHD, SDENROs
Jewelmer MOA, deputation, DOLE, Coron discussions, SEC papers	18-20 Nov 10	IDLW
Assistance to composite team for monitoring of illegal fishpond	19-Nov-10	SDENROs
Inventory of Tarps in all sites	20-Nov-10	MM
Verification of reported chainsaw operation	20-Nov-10	MP, SDENROs
PAMB preparation. Jatropha matters Dumaran. Visa document. Finances. Preparations of post-project survey Culion.	22-23 Nov 10	SS
Preparation of wardens papers for deputations	23-Nov-10	RA
Inventory of fruit trees inside of reforestation site and inventory of nursery seedlings and wildlings	23-Nov-10	MP, SDENROs
Filed case against illegal kaingineros at Araceli, Palawan	24-Nov-10	MP
MOA Jewelmer, legal papers: DOLE, SEC, Philhealth, SSS; finances	22-29 Nov 10	IDLW
Turtle and cockatoo IEC at WPU Aborlan. KIEBC inspection.	25-Nov-10	SS, DA
Follow up deputation requirements in Dumaran	25-Nov-10	MM
Documentation of Dead Omura's whale in Rocket sea farm	25-Nov-10	RA, wardens
Checking of turtles and record condition	25-Nov-10	DA, AG
MMT 1st monitoring meeting at Dos Palmas.	26-Nov-10	SS
Preparation for IEC in Iwahig Elementary School; IEC in Iwahig and ICETA	26-Nov-10	MM, DA
Purchase boat spare part at Bgy. Buliluyan	26-Nov-10	RA, Pudi
BACOCO finances	27-Nov-10	SS
Flashing of nest trees of BNP and BHRT	27-Nov-10	MP, SDENROs
Bacoco performance report writing	28-Nov-10	SS
Bird count at RIWS, counted 192 cockatoo individual	28-Nov-10	SHD
Verification of illegal cutting of trees at So. Kasipulo, Bgy Sto. Tomas, observed fresh cut timbers; phenology at So. Omoi	28-Nov-10	MP, SDENROs
Bacoco performance report writing	29-30 Nov 10	SS
Planted talisay around tank, removal of water hyacinth in settling tank	29-30 Nov 10	AG, Doy, Mbatac
Purchase of groceries for wardens and staff for Christmas	30-Nov-10	MM
Meeting with CENRO Narra; Wardens and volunteers meeting at KIEBC	30-Nov-10	IR, SHD, SDENROs, volunteers
Completion of deputation requirements for submission at main office	30-Nov-10	MP
Coron trip discussions; fund raising for December events	1-Dec-10	IDLW
Submission of BACOCO performance report	1-Dec-10	SS
Facilitated medical checkup and issuance of Police clearance of wardens for deputation requirements	1-2 Dec 10	RA, wardens

Follow up salary charging at Treasurer's office, Dumarán; monitoring of illegal activities in So. Kasipulo, Bgy. Sto. Tomas	1-2 Dec 10	MP, SDENROs
Email submission of Embassy final report. Prep for PAMB meeting.	2-Dec-10	SS
Preparation of documents and groceries needed for Dumarán trip	2-Dec-10	MM
Attendance to PAMB meeting in Narra Palawan	3-Dec-10	SS, SHD,IR
Invitation to LPAMC members re: LPAMC meeting on December 6, 2010	3-Dec-10	MP
Meeting with Senator Zubiri in Puerto Princesa City	4-Dec-10	SS
Nest checking at Ransang Rizal Palawan	4-6 Dec 10	SDENROs
Preparation of KEEC for arrival of KFI staff	4-5 Dec 10	MP
Revise NEZS <i>S. leytensis</i> telemetry proposal.	5-Dec-10	SS
FGD with Basing Binawas family of So. Dipangga Bgy. Culasian	5-Dec-10	SDENROs
LBC hard copy of final report German Embassy. Request for transport permit <i>S. leytensis</i> to KIEBC. Wardens deputation applications. PAMB resolutions 2010-01 and 02	6-Dec-10	SS
Report incident filed blotter at PNP Dumarán re: recent incident, attendance to LPAMC Meeting	6-Dec-10	SHD,MP,MM
Follow up budget proposal for 2011 and IEC proposal, Facilitates EO for wardens deputation and KFI certification for Mayor's signature	6-Dec-10	MM
Finances PFTCP and PCCP. PARDEC special meeting.	7-Dec-10	SS
Submitted copies of Resolution N0. 2010-01 to Mayor's office, MPDC office; Arranged nursery seedlings and wildlings, photo documentation	7-Dec-10	MM, MP, SDENROs
Facilitate the purchase request of Materials for construction of KIEBC fencing and road access.	7-Dec-10	IR
Meeting with PAWB Director Lim in Quezon City; Meeting with Liza Dans	9-Dec-10	IDLW
Facilitation of wardens deputation requirements for notarial	9-Dec-10	MM
Securing medical certificate & clearances for SDENRO deputation	9-Dec-10	IR,SDENROs
Ocular visitation and investigation of sawed felled logs and cut live trees at Casipulo Sto. Tomas areas	9-Dec-10	SHD,MP, SDENROs
Meeting with Sen. Zubiri in Mla	10-Dec-10	IDLW
Communication with Dumarán SB Secretary re: SB session results	10-Dec-10	MM
Wardens meeting at KEEC re: BS preparation, nest checking schedules	10-Dec-10	SHD,MP,SDENROs
Submission of wardens deputation requirements at Cenro Brooke's Point	10-Dec-10	RA
Encoding of pH data of leytensis enclosures	10-Dec-10	AG
Submission to CENRO Narra deputation requirements	13-Dec-10	IR
Facilitation of SEC requirements and deputation requirements	14-15 Dec 10	MM, IDLW
Follow-up the PR of access road,fencing of KIEBC and workplan of Narra	14-Dec-10	IR
Planted 166 rattan seedlings at refo site in So. Omoi, Bgy. Sto. Tomas	13-15 Dec 10	SDENROs Dumarán
Meeting with wardens at Dalahican	15-Dec-10	RA
Bank transactions	15-Dec-10	IDLW
Removal of data logger at settling tank	15-Dec-10	AG
Gift giving to Rizal wardens; submission of DENR deputation requirements to CENRO Quezon	16-Dec-10	IDLW, IR, SDENRO's
RIWS SDENROs and volunteers year-end meeting with Program Manager;gift giving	17-Dec-10	IDLW,IR,SHD,AG, SDENROs,Volunteers
Narra monitoring visit and carbon lot visit	17-Dec-10	IDLW

Monitoring of abandoned Apitong tree that was cut for boat use as reported in August 22, 2010.	17-18 Dec 10	SDENROs Rizal
Apprehension of chainsaw together with the PCSDS personnel	19-Dec-10	SDENROs Rizal
Binudac Post project survey, control site	12-21 Dec 10	DA
Meeting with Pandanan staff	20-Dec-10	IDLW
Meeting with Dumarán staff	21-Dec-10	IDLW, MP
Consolidation and writing of wardens reports for December	20-21 Dec 10	IR
Report consolidation and encoding	20-22 Dec 10	MP
Meeting with wardens at KEEC re: remaining works in December and preparation for BS 2011	23-Dec-10	MP, SDENROs
Report on threats on KFI/PCCP wardens lives	26-Dec-10	SDENROs Rizal
Collection of seedlings, planted 30 Narra seedlings in refo site	26-Dec-10	SDENROs Dumarán
Facilitated wardens payroll for salary charging in LGU Dumarán	28-Dec-10	MP
Hand deliverd letter re: Bacoco survey in Tagabinet at Major Neil Estrella office, Inventory of equipments from Mike Plazos	30-Dec-10	MM,MP
Communication and coordination with program manager, Rizal wardens and Field Admin Assistant and PCSD enforcement team re: threat to Rizal wardens lives	31-Dec-10	MM, IDLW
Pull out of 4 Rizal wardens from site due to threats on their lives	31-Dec-10	IDLW, MM
Project operations and management	Sep-Dec 2010	IDLW, SS, SHD

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