

## Capacity Building of the Environmental Conservation Department (ECD-CAB)

The project has been extended to April 2003. Since the last newsletter a number of activities have been undertaken, including:

- Draft new Environmental Enactment (proposed as Environmental Protection Enactment - EPE)
- Final livestock rules (Animal Ordinance)
- Final pig farm pollution rules (Env. Enactment)
- Dialogue workshop with the livestock associations (80 farmers participated)
- Draft wastewater pollution rules
- Draft landfill rules
- Survey of all pig farms in Sabah,
- Survey of all landfill sites in Sabah,
- Survey of all wastewater treatment plants in 4 districts,
- Survey of river pollution in Likas River
- Survey of pollution from Mammot Copper Mine
- Study tour to Thailand for 20 officers from 10 different Departments in Sabah
- Study tour to Hong Kong in cooperation with UMS
- Seminar for all District Officers
- Final forestry and draft aquaculture EIA guidelines
- Moyog river campaign in cooperation with Penampang Junior Chamber
- Draft photo book on environmental change in Sabah
- Continuous implementation of MIS and GIS. Maps have been received from several Departments.



# NEWSLETTER

In the remaining months we will, amongst others, be working on:

- Finalisation and submission to the State Assembly of new Enactment and four Rules (5 new environmental laws)
- Meetings with key stakeholders in relation to the preparations of these laws, including the results of the associated surveys
- Finalisation of Indicator Report
- Dissemination of 3 EIA guidelines and 4 survey reports
- Initiation of four extension projects;
  - (a) centralised pig farming area in cooperation with Veterinary and Animal Services Department
  - (b) 'constructed' wetland survey
  - (c) environmental clauses into land titles in cooperation with Lands and Survey Department
  - (d) wastewater project in cooperation with MLGH and 1-2 districts
- ISO 9000 audit and preparation of a new ISO 9000:2000 version
- EIA compliance survey
- Staff attachment
- Training programmes implemented for new staff.

Below are highlighted some of the ongoing ECD-CAB activities for each of the divisions in the ECD. Also included is a list of technical reports, background papers and awareness materials prepared until now. Many of these reports are available from the homepage: [www.sabah.gov.my/jkas/programmes](http://www.sabah.gov.my/jkas/programmes)

Please contact Yabi Yangkat, Project Director, (088-238130) or Carsten Hollaender Laugesen, CTA, (016 832 6766) if you need more information.

## Environmental Planning

The draft environmental indicator report has been finalised, and will be sent for comments with the different stakeholders before dissemination. We would like to thank Departments who have supplied data and information so far to this report.

The survey of all pig farms in Sabah has been finalised, and a report prepared. A GIS database has been made to provide easy access to data on all individual pig farms in Sabah.

The survey of pollution in Likas River are in the final stages, and will be presented at the next Environmental Council meeting.

Both the wastewater treatment plant and the landfill survey has been finalised, and will beside being presented to the Environmental Council, be presented to key stakeholder, mainly the Ministry of Local Government and Housing and the local authorities.

The Mammut Copper Mine survey continues in cooperation with UMS and will be finalised within 2002.

A review of the Conservation of Environment Enactment has been undertaken. The review resulted in a proposed new Environmental Protection Enactment. This new Enactment is presently being scrutinised and will be translated before submission to the State Assembly.

A final livestock rules (Animal Ordinance) and a final pig farm pollution rules (Env. Enactment) has been prepared and translated to Bahasa Malayu. Before finalisation the draft was discussed through a number of sessions with the Veterinary and Animal Services Department and the Livestock Association in Sabah. A dialogue workshop was held, with attendance of more than 80 pig farmers and key stakeholders

A draft wastewater pollution rules and a draft Landfill rules has been prepared and a number of stakeholder sessions have been planned to discuss the rules before finalisation.

## Environmental Impact Assessment (EIA)

A draft guideline for aquaculture has been prepared and meetings with Fisheries Department are presently being planned to finalise the guidelines.

The guideline for forestry has been finalised and is presently being printed. The guideline will be disseminated to all stakeholders in the coming month.

A local consultant to undertake the EIA compliance survey has been contracted and will start the survey in the coming month.

## Monitoring and Enforcement

A 10-case programme to further improve the implementation of the environmental investigation, administrative enforcement and prosecution manual has been planned.

## Communication & Awareness

A wide range of communication and awareness activities has been produced during the last period including

- A one day DO seminar for all District Officers and executive officers in the 24 districts in Sabah
- A two-day SITE seminar (Sabah Inter-agency Tropical Ecosystem) for all environmental stakeholders in Sabah. About 150 participated in the seminar
- Pamphlet for Forestry guideline
- Environmental photo archive
- An environmental calendar has been produced and disseminated to more than 500 stakeholders
- A draft photo book has been prepared in cooperation with a Danish photographer (included training of the Departments photographer). The book is going to be published in cooperation with Natural History Publication (Borneo)
- Moyog River project.

Furthermore, the C&A officer is presently revising the C&A strategy in order to accommodate the coming years of C&A activities in the Department.

## Environmental Information Systems (EIS)

The development of the ECDWMS (workflow management system) has continued and now contains a wide number of modules, including two environmental assessment modules (EIA and environmental screening), document module, template module, environmental enforcement module (complaints), mailing and filing module, picture module, library module. The ECDWMS system is presently being launched in the EA section of the Department, and will be finalised in the forthcoming period.

Maps have been received from the Forestry Department, Lands and Survey, and Agriculture Department. Remote sensing maps have been received from DID and Maliau Basin Danida projects. Furthermore, new remote sensing pictures have been ordered, enabling the Department a satellite image coverage of 3/4 of Sabah.

Departments or other stakeholders interested in maps or satellite images produced or purchased by the Environmental Department are welcome to call the Department (Frederick Soon, 251 290, att. 1123).

GIS has utilized these maps to support other sections and task of the Department. This includes producing detailed JKKK maps for the Moyog River project, maps for the indicator report (rainfall, topography, land use, vegetation cover, etc.), maps for survey reports including pig farm, landfill and wastewater survey. For the pig farm survey the survey data was integrated into a GIS database.

## Administration

The ISO certification is presently being audited by external auditors. The preparation of the new ISO 9000:2000 version has begun and is expected to be finalised within 2002.

## Inputs and miscellaneous

Consultants used in the previous period include:

Internationally Carsten H. Laugesen, Tony Greer and Bablu Virinder Singh (photographer)

Locally PC Chang (MIS), Chemsain (EIA compliance), UMS (Mammut Copper Mine, Likas River), Mr. Tariq (Waste Water Treatment plants), Peter Chang (aquaculture), Tan Kok Jyh (pig farm survey), Penampang Junior Chamber (Love Moyog River campaign), landfill survey (Mr. Lim Pen Siong), CEE review (Darrel Leiking)

## ECD-CAB activities -Status June 2002

### Ongoing

Task	Responsible	Next steps
Indicator report	SP/TG	Draft under preparation TG to finalise
CEE review	YY/CHL/Darrel	Draft part I&II prepared CHL to follow up
Landfill survey & rules	SP/CHL/Lim	Draft submitted CHL to revise
Pig & Livestock rules	TG/TK/CHL	New version prepared CHL to revise
Waste water survey & rules	SP/T/CHL	Meeting early May SP to follow up
Likas river survey	UMS	Ongoing by UMS SP to follow up
Mamut copper monitoring	UMS/JG	UMS mid June JG to follow up
Forestry guideline + pamph.	CHL/EJ/VM	Final EJ to approve/CJ to print
Oil palm guideline + pamphl	CHL/VM	Meetings VM to follow up
Aquaculture guideline	P. Chong	Report latest May VM to follow up
EIA Compl survey	VM/CHL/Sinoh/JC	Start in June VM to follow up
MIS	DG/FS/CHL	Launching FS to follow up
Moyog river campaign	PJC/SP	Final review visit SP to follow up
Photo Book	CHL/SP	Photos taken/progress report CHL/TG/SP to follow up
Centr. Pig Farm (ext project)	ECD/VD	Approved, to be planned
Wetland survey (ext project)	ECD/LS	Approved, to be planned
Land title (ext project)	ECD/LS	Approved, to be planned
WWTP (ext project)	ECD/MLGH/JKR	Approved, to be planned
ISO 9000:2000	YY	New version YY to follow up

### Upcoming

Task	Responsible	Next steps
Long term HRD plan	YY/CHL	June
Assessment train & manual	CHL/VM/TG	on hold
Screening guideline	VM	Lim to undertake
M&E 10 cases	TK	on hold
SP study DK	SP	September
Study tour (x3)	EJ/CHL	CHL to prepare
Yabi Attachment DK	YY	September

## Overview of ECD materials. June 2002

Name	Number	Status Jun/02	Area
<b>Technical Reports</b>			
Handbook for EIA in Sabah	Number 1	Final	EA
EIA guideline for River Sand & Stone Mining	Number 2	Final	EA
EIA guideline for Forestry	Number 3	Final draft	EA
M&E Manual; Investigation, Adm. Enforcement & Prosecution.	Number 4	Final	M&E
C&A Strategy & Action Plan	Number 5	Final	C&A
M&E Strategy and Action Plan	Number 6	Final	M&E
ISO 9000 Manual	Number 7	Final	Adm.
EIA Guideline for Construction on Hill slopes	Number 8	Final.	EA
EIA Guideline for Oil Palm Plantations	Number 9	Final draft	EA
Penampang Land Scheme Plan	Number 10	Final	Plan.
Hillslope Policy	Number 11	Final	EA
River Stone and Sand Mining Policy	Number 12	Final	EA
Environmental Indicator Report, 2000	Number 13	Under prep.	Plan.
Guideline for Local Authorities	Number 14	Under prep.	EA
State Structure Plan – Environmental input	Number 15	Final	Plan.
Regulation for pig farming	Number 16	Final draft.	M&E
Aquaculture guidelines	Number 17	Under prep	EIA
Wastewater rules	Number 18	Draft	Plan
Livestock rules	Number 19	Draft	Plan
New Environmental Protection Enactment	Number 20	Draft	Plan
Landfill rules	Number 21	Draft	Plan
<b>Background papers</b>			
Environmental guidelines; case Penampang District	Number 1	Final	Plan.
EIA and forestry activities	Number 2	Final	EA
Study tour report	Number 3	Draft	Plan.
M&E Training package	Number 4	Final	M&E
8 <sup>th</sup> Malaysian Plan Submissions	Number 5	Final	Plan.
Research methodology for Gravity Feed System	Number 6	Final	Plan.
Short term HRD Plan	Number 7	Final	Plan.
Draft Standard TOR, CV and scoping note	Number 8	Final	EA
Draft Agreement of Environmental Conditions	Number 9	Final	EA
GIS concept paper	Number 10	Final	EIS
Land application and development plan procedures in Sabah	Number 11	Final	EA
Pig farming survey, Tuaran District	Number 12	Final	M&E
A report on the State of the Environment in Sabah, 2000	Number 13	Final	Plan.
Integrated Environmental Planning, A regional perspective	Number 14	Final	Plan.
Capacity Building theory	Number 15	Draft.	ECD- CAB
Wastewater treatment plants in Sabah	Number 16	Final.	Plan.
Pig farming survey	Number 17	Final	Plan.
Mammut Copper Mine Survey	Number 18	Under prep.	M&E
Likas River Survey	Number 19	Draft.	Plan.
Landfill survey	Number 20	Final	Plan.
EIA compliance survey	Number 21	Under prep.	EIA
New approaches to environmental planning	Number 22	Final	ECD- CAB

Awareness materials			
Homepage	Number 1	Final	EIS
Homepage pamphlet	Number 2	Final	C&A
River Sand & Stone Mining pamphlet	Number 3	Final	C&A
ECD holder	Number 4	Final	C&A
ECD pamphlet	Number 5	Final	C&A
ECD CD-rom	Number 6	Final	C&A
ECD-CAB pamphlet	Number 7	Final	ECD-CAB
ECD Cap & Vest	Number 8	Final	C&A
ECD Natural Resource Management Video	Number 9	Final	C&A
ECD-CAB Newsletter No. 1	Number 10	Final	ECD-CAB
ECD-CAB Newsletter No. 2	Number 11	Final	ECD-CAB
ECD-CAB Newsletter No. 3	Number 12	Final	ECD-CAB
ECD-CAB Newsletter No. 4	Number 13	Final	ECD-CAB
Hillslope pamphlet	Number 14	Final	C&A
Painting for exhibitions	Number 15	Final.	C&A
3-D presentation	Number 16	Final	C&A
ECD-CAB Newsletter No. 5	Number 17	Final	ECD-CAB
ECD-CAB Newsletter No. 6	Number 18	Final	ECD-CAB
Environmental Calendar	Number 19	Final	C&A
Environmental Poster	Number 20	Under prep.	C&A
ECD-CAB Newsletter No. 7	Number 21	Final	ECD-CAB
Environmental Photo Book	Number 22	Under prep.	C&A
Forestry pamphlet	Number 23	Final	C&A
Oil Palm pamphlet	Number 24	Under prep.	C&A
ECD-CAB Newsletter No. 8	Number 25	Final	ECD-CAB
Project Documents			
Revised project Doc.	Number 1	Final	ECD-CAB
Inception Rep.	Number 2	Final	ECD-CAB
Procedures Manual	Number 3	Final	ECD-CAB
Progress report no. 1	Number 4	Final	ECD-CAB
Progress report no. 2	Number 5	Final	ECD-CAB
Progress report no. 3	Number 6	Final	ECD-CAB
Progress report no. 4	Number 7	Final	ECD-CAB
Photo book progress report no. 1	Number 8	Final	ECD-CAB