



25

Ulu Kalumpang

Sustainable Forest Management Project

Forest Restoration

Intensive forest restoration aims to restore the encroached areas by the knocking down of all the oil palm trees and have then replaced with indigenous species. This will accelerate natural vegetation regeneration in order to re-establish a healthy forest ecosystem in the reserve whilst caring for the water catchment area. For this to be realized, the Sabah Forestry Department has appointed Syarikat Pertanian Kondowoi Pemborong Am to implement the restoration programme until the year 2010. This company has the responsibility to restore 525 ha in the Sg. Mantri area of Ulu Kalumpang Forest Reserve which started in 2008.

The targeted area for restoration in 2008 was 175 ha and only 156.32 ha were planted with various species as listed at the Table 25.1, a total of 18.68 ha were not planted due to the area falling on road reserve, rocks, river and areas not suitable for planting. Planted areas are situated in Sg. Mantri and are divided into four blocks: A, B, C and D (See Fig. 25.1 & Map 25.1). A total of 43,937 seedlings were planted in all blocks.

Table 25.1 : Forest Restoration Program In Sg. Mantri, Ulu Kalumpang Forest Reserve in 2008

	Block A	Block B	Block C	Block D
Hectarage	43.75	43.75	43.75	43.75
Planted area	35.05	39.7	41.85	39.72
Unplanted Area	8.10	4.05	1.90	4.03
Total number of seedlings planted	9,982	11,116	11,718	11,120
Date of Planting	August-November	May-October	September-December	July-November
Planted species	1. Laran 2. Sentang 3. Seraya 4. Kembang semangkuk 5. Kalumpang 6. Binuang 7. Kapur	1. Laran 2. Sentang 3. Seraya 4. Kembang semangkuk 5. Kapur 6. Durian 7. Tengkawang 8. Keruing 9. Tarap 10. Bayur	1. Sentang 2. Seraya 3. Kalumpang 4. Bayur 5. Durian 6. Laran	1. Sentang 2. Laran 3. Seraya 4. Kembang semangkuk 5. Kapur

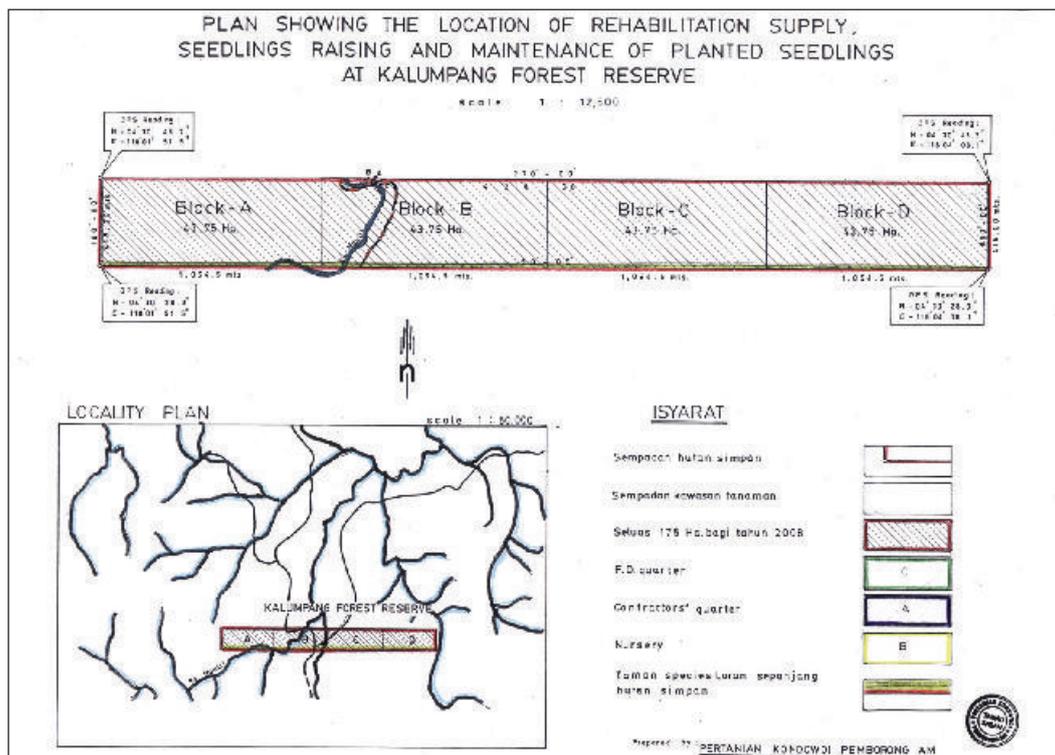
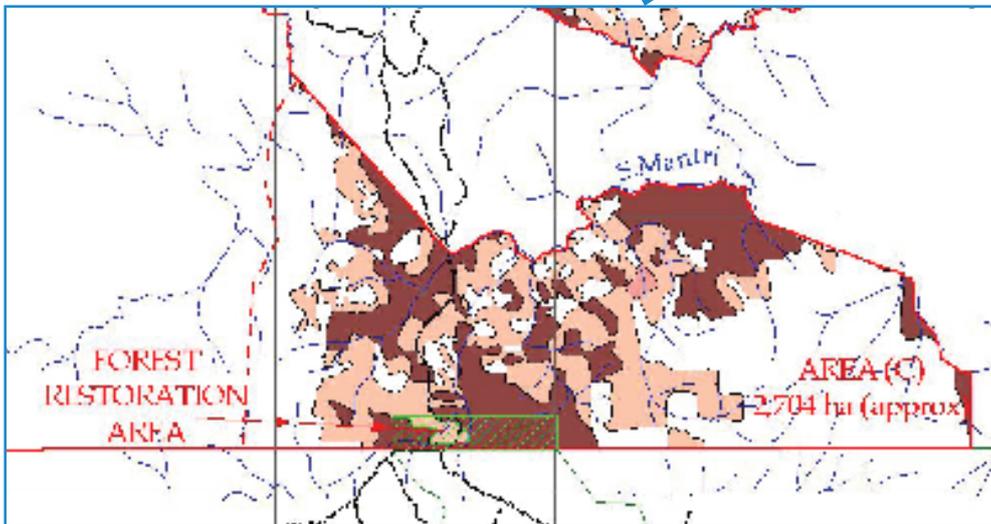
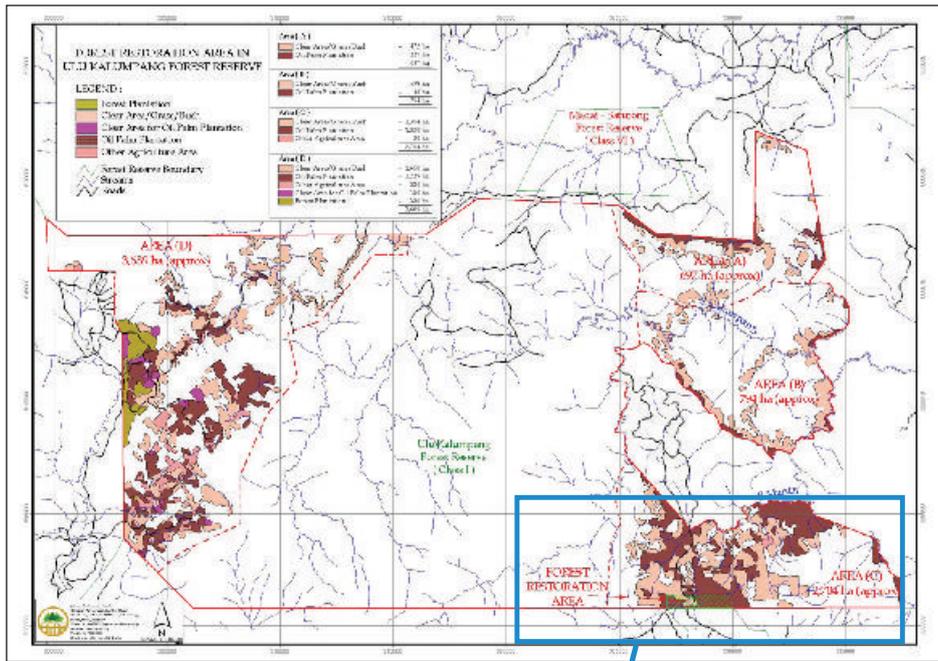


Fig. 25.1 : Planting of seedlings in Blocks



Map 25.1: Planted area in 2008, 156.32 ha



Aerial View of the planting area - oil palm cleared (above and right)

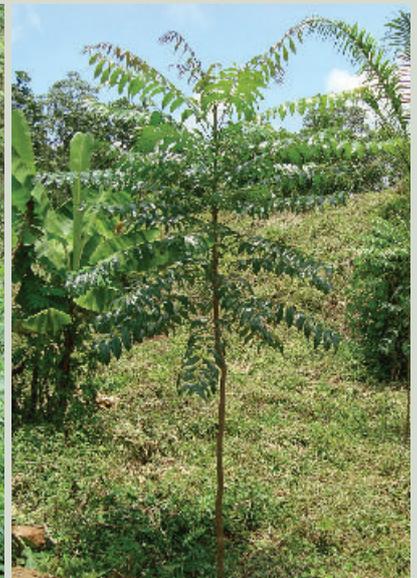




Restoration Activities



Planting activities done by the contractor (left and right)



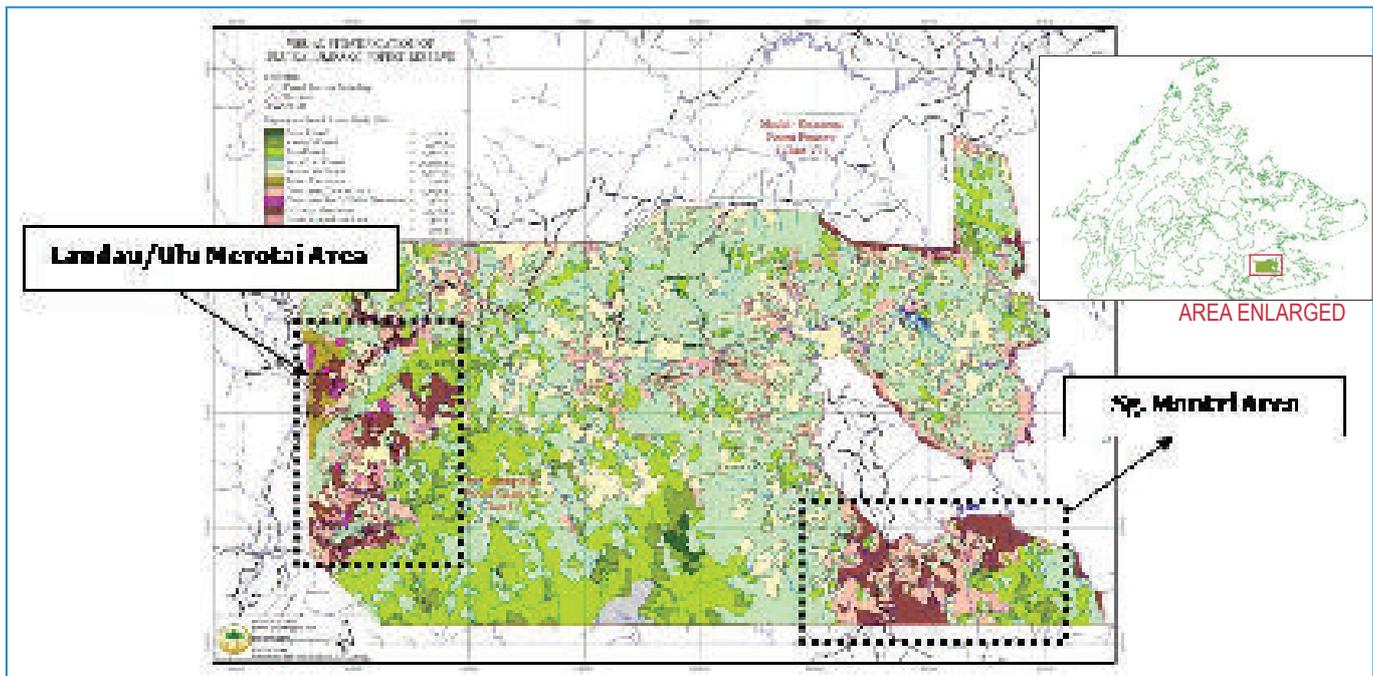
Species planted at site: Kapur, Laran and Sentang

Enforcement Activities

These activities focused on the Sg. Mantri and Landau/Ulu Merotai areas as seen on the Map 25.2 because most of these areas have been encroached by locals and the Iban communities. Table 25.2 and Map 25.3 shows the achievement of enforcement activities in 2008.

Table 25.2 : Information On Enforcement Activities Done In Sg. Mantri And Landau/Ulu Merotai Area

No.	Activities	Achievement 2008
1.	Destroying Illegally planted oil Palms	Poisoning Method (Done by the Staff of Ulu Kalumpang) <ul style="list-style-type: none"> Using GARLON 250 + Diesel 8.09 hectares -1,100 trees.(Sg. Mantri)
2.		Under Contract No. JP/UK/02/2008 (Pertanian Kondowoi Pembrong Am) <ul style="list-style-type: none"> Using Excavator and Chainsaw 280 hectares at Sg. Mantri
3.	Close unwanted access roads and bridges	Sg. Mantri Area <ul style="list-style-type: none"> Closed 2 access roads permanently
4.	Seized and charged	Since 2006 until 2008 <ul style="list-style-type: none"> 10 cases were recorded which involved 13 offenders and 10 vehicles. All cases were won in court by the SFD and those who were found guilty are fined or jailed and their vehicles forfeited and auctioned.



Map 25.2 : Area of the Ulu Kalumpang Forest Reserve

Enforcement Activities



Closing unwanted access at Sg Mantri encroachment area (above) and fixing the Forest Reserve and project's Signboards (above right & right)

Destroy/Felling Illegally Planted Oil Palms

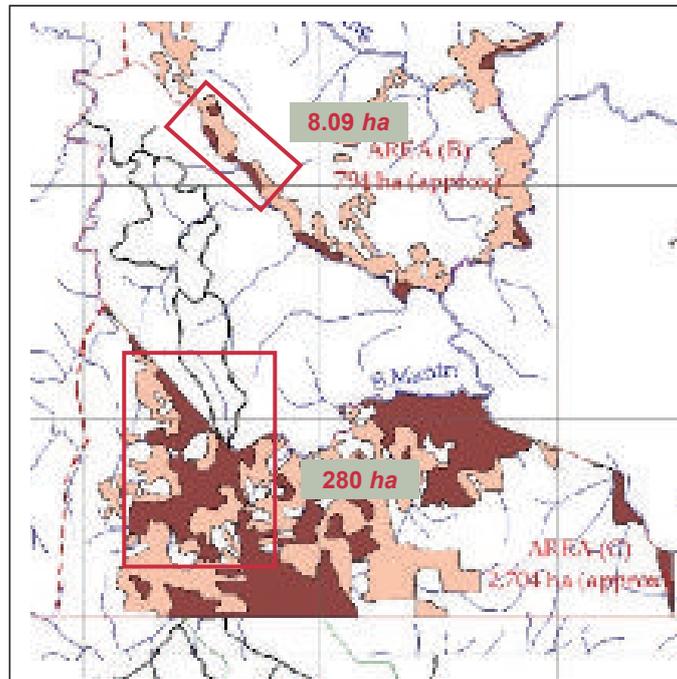
These activities were done by staff of the project staff and also the awarded contractor, Pertanian Kondowoi Pemborong Am under contract number JP/UK/02/2008. The method for destroying the illegal oil palms are:

i. Poisoning Method

This method is used by the staff of the project using GARLON 250 mixed with diesel. For 2008, the staff did a great job and managed to poison small and big oil palm trees in an area of 8.09 ha.

ii. Felling The Oil Palm

Removed or felled the illegally planted oil palm by using the excavators and chainsaws. The felled oil palm trees and debris are arranged to form windrows for every 16 m intervals. For 2008, 280 ha were cleared at Sg. Mantri.

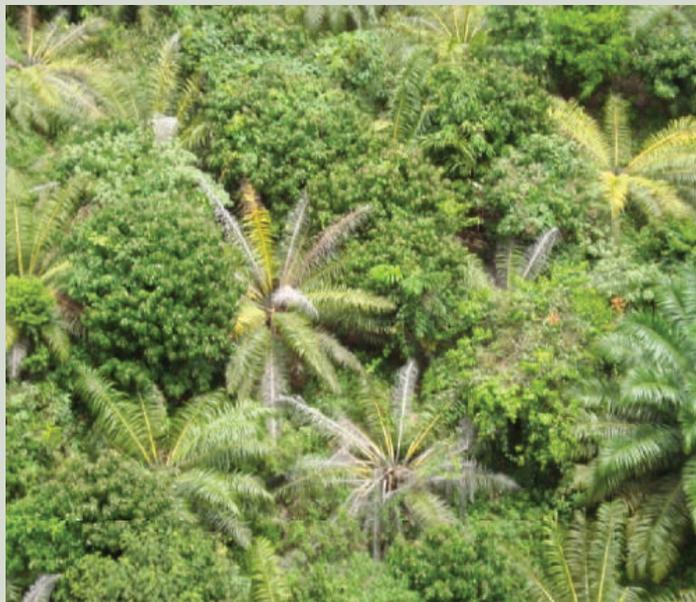


Map 25.3 : Areas being cleared from illegally planted oil palms

Felling and Poisoning of Illegal Oil palm



Felling of illegally planted oil palm (left) and poisoning of palm trees (right)



Palm trees after poisoning



Aerial view of the 280 ha area (Felling the illegally planted oil palm)(right) and closed-up view of the felled oil palm (above)



Boundary Demarcation

Two sections of the boundary were demarcated in Ulu Kalumpang FR in 2008 as follows:

Section	Area	Length
1.	East of Sg Mantri	3 kilometers
2.	North Landau/Ulu Merotai	7 kilometers

Visitors to Ulu Kalumpang SFM Project

In the year 2008, a number of visitors have come to visit the project area other than by the Project Operational Committee chairman, the Deputy Director of Forestry Mr. Fidelis Edwin Bajau.



Dr. Kenneth G. MacDicken and Mr. Haris Iskandar of Winrock International during a site visit for carbon credits assessment

Cost Analysis

The actual costs of maintaining all forest management activities in this project for 2008 was RM 2,159,807.47 (Including salaries and fuel consumption which were paid by the SFD Headquarters). The approved allocation for the project was RM2 million. The shortfall was made up from other allocations.

Expenditures in 2008

Area	Length
Physical Developments	138,006.00
Road Maintenance	49,995.00
Administration Expenses (Field & Office Equipments)	120,791.00
Generator Set and Vehicles parts/services and maintenance	98,197.80
Diesel and Petrol (other fund)	45,000.00
Destroy illegally planted oil palms (Contract no. JP/UK/02/2008)	500,000.00
Implementation and Supervision of AWP 2008	267,952.82
Restoration Program (Contract no. JP/UK/01/2008)	606,975.00
Forest Protection (Enforcement activities)	112,591.85
Salary (other funds)	118,528.00
Signboards	101,770.00
Total Actual Cost	2,159,807.47

Note : Diesel, Petrol and Salaries are not funded under the allocated amount for this project. The expenses are under SFD headquarters budget.

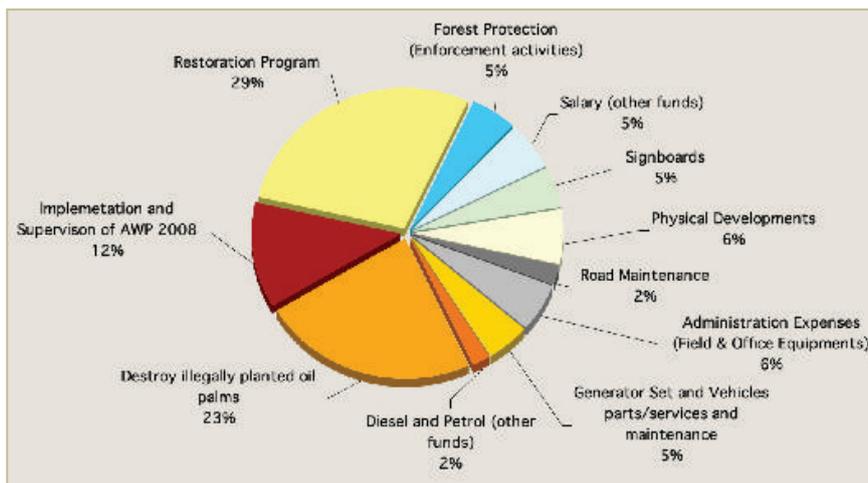


Chart of Expenditure in 2008