

CONVENTION ON INTERNATIONAL TRADE IN ENDANGERED SPECIES
OF WILD FAUNA AND FLORA



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Report on conservation and management of ramin (*Gonystylus* spp.) in Malaysia

EXPLANATORY NOTE ON CAUTIOUS HARVEST QUOTA DETERMINATION

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**REPORT ON CONSERVATION AND MANAGEMENT OF RAMIN (*GONYSTYLUS SPP*) IN MALAYSIA
(Document SC57 Inf.4)**

Explanatory Note on Cautious Harvest Quota Determination

7.3 The calculation method used to calculate the cautious harvest quota for Peninsular Malaysia for *Gonystylus* species and *G. bancannus* are as follows:

7.3.1 *Gonystylus* species

- (i) The timber volume of ramin (dryland and peat swamp forest) is approximately **2,648,177m³**.
- (ii) The harvesting rotation period used is 50 years.
- (iii) Annual production of round log = $(2,648,177 \div 50) = 52,963\text{m}^3$ per year
- (iv) Estimated sawn timber production based on 70% recovery

$$= (52,963 \times 0.70) = 37,074 \text{ m}^3$$

For 2008, even though we have capacity to produce about 53,000m³ per year, the cautious harvest quota for ramin (*Gonystylus* spp.) for Peninsular Malaysia is proposed to be retained at as the figure for year 2007 i.e **43,000m³**.

7.3.2 *Gonystylus bancannus*

- (i) The timber volume of ramin *Gonystylus bancannus* (dryland and peat swamp forest) is approximately **1,735,275m³** based on NF14.
- (ii) The harvesting rotation period used is 50 years.
- (iii) Annual production of round log = $(1,735,275 \div 50) = 34,705\text{m}^3$ per year
- (iv) Estimated sawn timber production based on 70% recovery

$$= (34,705 \times 0.70) = 24,293\text{m}^3$$

7.4 The calculation method used to calculate the cautious harvest quota for *G. bancannus* (peat swamp forest species) for Sarawak is as follows:

- (i) Production peat swamp forest area is approximately = $880,000 - 53880 = 826,120$ **hectares**.
- (ii) Harvesting rotation practice in Sarawak is 45 years
- (iii) Annual harvesting coupe = $826,120 / 45 = 18,358.2$ **hectares**
- (iv) Calculated average mean annual volume increment is 0.33 m³/ha.
- (v) Annual production of round log = $(18,358.2 * 0.33) = 6,058\text{m}^3$ per year
- (vi) Estimated sawn timber production based on 70% recovery

$$= (6,058.2 \times 0.70) = 4240\text{m}^3$$

Therefore, the proposed 2008 cautious harvest quota for *G. bancannus* for Sarawak peat swamp forest is **6000m³**.

7.5 Ramin (*Gonystylus* spp.) cautious harvest quota for year 2008 for **Malaysia** is proposed as for year 2007 i.e **49,000 m³**.

7.6 Out of **49,000 m³** cautious harvest quota for *Gonystylus* species, it is proposed that the cautious harvest quota for *G. bancannus* is **30,000 m³**.

Usage of Export Quota

7.7 In 2007, export quota for Sarawak was 3178 m³ while the actual export was only 733 m³ (after clearing the stock pile) which is only about 23%. For Peninsular Malaysia out of a quota of 20,000 m³ only 6409 m³ which is only about 32% was used. In both cases the quotas have not been fully utilized, reflecting a great margin of Ramin sustainability.