



**PUBLIC SUMMARY
SURVEILLANCE 1 AUDIT (3rd CYCLE) ON
PAHANG FOREST MANAGEMENT UNIT
FOR FOREST MANAGEMENT CERTIFICATION**

**Certificate Number: FMC 0008
Date of First Certification: 1st June 2010
Audit Date: 20-24 February 2017
Date of Public Summary : 30th January 2018**

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1 EXECUTIVE SUMMARY

This surveillance 1 audit on the Pahang Forest Management Unit (hereafter referred as the (Pahang FMU) was conducted on 20-24 February 2017 to assess the continued compliance of the overall forest management system of the Pahang FMU against the requirements of the *Malaysian Criteria and Indicators for Forest Management Certification (Natural Forest)* [MC&I (Natural Forest)] using the verifiers stipulated for Peninsular Malaysia. The scope of this surveillance 1 audit was limited to the forest management system and practices on the Permanent Reserved Forest (PRF) within the Pahang FMU.

This surveillance 1 audit was conducted by a 4-member team comprising Mohd Razman Salim (Lead Auditor), Dr Samsudin Musa (Auditor) and Ismail Adnan Abdul Malek (Auditor), Dr. Mohd Nazre Saleh (Trainee Auditor) and Khairul Najwan Ahmad Jahari who participated in this surveillance 1 audit as an observer.

Based on the findings of this surveillance 1 audit, it was found that Pahang FMU had continued to comply with the requirements of the MC&I (Natural Forest). This surveillance 1 audit had resulted in the issuance of 4 (four) minor Non-Conformity Reports (NCRs). In addition, 1 (one) Observation for Improvements (OFIs) was raised.

This public summary contains the general information on the Pahang FMU, the findings of the surveillance 1 audit, NCRs raised as well as the decision on the continued certification of the FMU.

2 INTRODUCTION

2.1 Name of FMU

Pahang Forest Management Unit

2.2 Contact Person and Address

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Designation : State Forestry Director
Address : Pahang State Forestry Department
Tingkat 5 Kompleks Tun Razak,
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25990 Kuantan, Pahang

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2.3 General Background on the Pahang FMU

The Pahang FMU is managed by the Pahang State Forestry Department (PSFD). The PSFD is committed in the management of the FMU on a sustainable basis. The administration of the FMU is divided into 8 forest districts namely the Bentong, Raub, Cameron Highland, Jerantut, Kuantan/Pekan/Maran, Lipis, Rompin and Temerloh/Bera Forest Districts.

The inland forest is managed under the Selective Management System (SMS) on a 30 -year rotation period. Under the Eleventh Malaysia Plan 2016- 2020, the Annual Allowable Cut (AAC) for the Pahang FMU had been set at 68,435 ha or 13,687 ha per year. A Forest Management Plan (FMP) covering the period from 2006 to 2015 had been presented during the audit. A FMP covering 2016-2025 was made available at the Bukit Sekilau office in Kuantan, Pahang

For this Surveillance 1 Audit in 2017, audit team has agreed to maintain the audit scope as per previous certification body, SGS, (1,503,314 ha) with additional of new gazetted PRFs in 2014 and 2015 with total area of 1,093.35 ha. Therefore the new audit scope is 1,504,407.35 ha. This new audit scope will replace the previous audit scope during Recertification Audit in 2016. The audit scope during Recertification Audit has mixed with forest plantation area (59,588.08 ha) which had been excluded by previous certification body, SGS, in 2014. The FMU currently comprises 1,504,407.35 hectares of PRF or 42 % of the State's total land area of 3,596,500 ha.

A map of the FMU showing the significant features of the forest is attached in **Attachment 1**.

2.4 Date First Certified

1th June 2010

2.5 Location of the FMU

The FMU is located between 2° 27' 21.34" N to 4° 27' 21.34" N and 101°21' 54.54" E to 103° 37' 29.21" E.

2.6 Forest Management System

Pahang FMU had continued to be managed on a sustainable basis under a Selective Management System on a 30-year rotation period. The FMU had followed the principles of sustainable forest management (SFM) and the requirements of the Licence Agreement of the State government. A Forest Management Plan (FMP) 2016 to 2025 was presented during this audit.

2.7 Annual Allowable Cut/Annual Harvest under the Forest Management Plan

For the Eleventh Malaysia Plan 2016- 2020, the annual allowable cut (AAC) for the FMU had been set at 68,435 ha or 13,687 ha per year. During this surveillance, the size of the FMU is 1,504,407.35 ha.

2.8 Environmental and Socioeconomic Context

The existing macro-EIA developed is still relevant since there were no significant changes on the forest management system and harvesting system. The FMP 2016-2025 has adopted the mitigation measures as recommended in the macro-EIA (PHN.PHG.(PEM)118/107). The mitigation measures were verified in the FMP 2016-2025 in Chapter 6: Preskripsi Pengurusan Hutan.

The potential impacts, mitigation measures and plan for monitoring are described in macro-EIA based on the following activities:

- Existing forest resources within Pahang FMU
- Baseline environmental information (include biodiversity, physical environment & socio-economic)
- Potential impacts at each stage of operations
- Proposed mitigation measures
- Residual impacts.

On indigenous peoples' right, there were no legal land rights within the Pahang FMU. Legal rights in the form of Orang Asli Reserve were all outside the forest reserves. The use rights of forest resources (i.e. in the form of water catchment area) within the FMU were documented in a map entitled "Pelan Pengelasan Fungsi Kegunaan Hutan di Negeri Pahang". The Orang Asli or local communities did not have any right of ownership over land in the PRF. However the Orang Asli were allowed to freely access the forest and collect forest resources for their own consumption.

Traditional forest-related knowledge and practices of indigenous people in the use of forest species or management systems in forest operations was not used by the PSFD. However the established framework for possible utilisation of such traditional knowledge, entitled '*Compensation Mechanism for the utilisation of Traditional Knowledge and Practices of Orang Asli*' by the PSFD involved the elements below;

- (1) Traditional knowledge claim by community/stakeholder/individual.
- (2) Identify and locate Technical Knowledge
- (3) Identify who holds the Technical Knowledge
- (4) Formulate intellectual property strategy and mutual agreement
- (5) Seek approval of state authority (EXCO)

3. AUDIT PROCESS

3.1 Audit Dates

20-24 February 2017 / 15 auditor days

3.2 Audit Team

1. Mohd Razman Salim
2. Dr Samsudin Musa
3. Ismail Adnan Abdul Malek
4. Dr. Mohd Nazre Saleh (Trainee Auditor)
5. Khairul Najwan Ahmad Jahari (Observer)

The details on the experiences and qualifications of the audit team members are as in **Attachment 2**.

3.3 Standard Used

Malaysian Criteria and Indicators for Forest Management Certification (Natural Forest) [MC&I (Natural Forest)], using the verifiers stipulated for Peninsular Malaysia.

3.4 Stakeholder Consultations

A one-month stakeholder consultation was conducted beginning January 2017 to solicit feedback from stakeholders on the compliance of the Pahang FMU against the requirements of the MC&I (Natural Forest). However there is no comment received from the stakeholders.

3.5 Audit Process

The audit was conducted primarily to evaluate the level of continued compliance of the Pahang FMU's current documentation and field practices in forest management with the detailed of the standard of performances (SOPs) listed in the MC&I (Natural Forest), using the verifiers stipulated for Peninsular Malaysia.

For each Indicator, the auditors had conducted either a documentation review, consultation with the relevant personnel of the FMU, local community or stakeholders or field audit or a combination of these methods. Depending on the compliance with the verifiers for a particular indicator, the auditors then decided on the degree of the FMU's overall compliance with the indicator and decided whether or not to issue a major or minor NCR or an OFI which is defined as follows:

- (i) a major NCR is a non-compliance with the requirements of the MC&I (Natural Forest);
- (ii) a minor NCR is a deviation or a lapse in complying with the requirements of the MC&I (Natural Forest); and
- (iii) an OFI is a situation where the auditor has noted an area of concern on the capability of the forest management system to achieve conformance to the requirements of the MC&I (Natural Forest) but without sufficient objective evidence to support a non-conformance.

Consultations were held with the Orang Asli communities in Kampung Paya Bungor (Lepar), Kampung Kedaik (Rompin), Kampung Gegerih (Temerloh) and Kampung Sematau (Jerantut) which are located outside PRF, members of the Village Development and Security Committee (Jawatankuasa Kemajuan dan Keselamatan Kampung) and the villagers of those villages. The audit team had also held meetings with the officers and the uniformed field staff of the PSFD.

The coverage of this surveillance audit is as shown in the surveillance Audit Plan in **Attachment 3**.

The PSFD had sent a corrective action plan to the audit team to address the minor NCRs which the audit team had reviewed and accepted them. The audit team had prepared an interim surveillance audit report and sent it to the PSFD for comment.

4 SUMMARY OF AUDIT FINDINGS

Based on the findings of this surveillance 1 audit, it was found that the PSFD had continued to manage the Pahang FMU in compliance with most of the requirements of the MC&I (Natural Forest). This surveillance 1 audit had resulted in the issuance of 4 (four) minor NCRs and 1 (one) OFIs. The details on the NCRs/OFIs raised are shown in **Attachment 4**.

The audit team had reviewed and accepted the PSFD's proposed corrective actions to address the 4 minor NCRs. However, these corrective actions shall be verified by the audit team during the next audit.

The audit team had also verified on the corrective actions taken by the PSFD to address the 7 (seven) Minor NCRs and 8 (eight) OFIs which were raised during the previous audit. The responses made by the audit team leader on these corrective actions and on the final status of the NCRs and OFIs are as in **Attachment 5**.

On indigenous peoples' rights, there were mechanisms in place to resolve disputes over tenure and use rights through meetings held with the Department of Orang Asli Development or *Jabatan Kemajuan Orang Asli* (JAKOA). It was observed that there was no recorded civil court case pertaining to legal or customary tenure or use rights filed against the PSFD.

With regard to Criterion 6.10, there was no new conversion of the PRF to forest plantations or other non-forest land uses during the intervening period since the last audit. The PRF in the PSFD has increased following the new gazettelement of 1,093.35 ha forest areas as PRF, covering an area of 1,504,407.35 ha.

As there is no major NCR raised during this surveillance audit, the audit team had therefore recommended that the Certificate for Forest Management be maintained.

The summary on the findings of the Surveillance 1 audit on the Pahang FMU against the requirements of the MC&I (Natural Forest) are as follows:

Principle	Strengths	Weaknesses
<p>Principle 1 Compliance With Laws and Principles</p>	<p>Records of all the relevant national and local laws, regulations and policies related to forest management, requirement, of the MC&I (Natural Forest) certification were available in the offices of the Pahang State Forestry Department (PSFD) and kept up to date. Copies of the relevant national and local laws, regulations and policies were available at the <i>Pejabat Pembangunan Hutan</i> at Bukit Sekilau, and during site visit at Kuantan, Jerantut, Rompin, Temerloh and Lipis District Forest offices.</p> <p>Forest officers (District Forest Officers and Assistants Director) are aware and understand the relevant national and local laws and regulatory framework.</p> <p>There were detailed records of violations of the National Forestry Act by logging contractors and the public maintained in the District Forestry Offices and in the Head Office in Kuantan.</p> <p>The forest managers were found to be aware of all the binding international agreements.</p> <p>The PSFD managers are willing to participate in resolving conflict (between Principles and Criteria and local laws and regulations) if such case arises.</p> <p>The statements of vision, mission and commitment towards forest management practices consistent with these principles and criteria of the MC&I can be accessed at the following websites: http://forestry.pahang.gov.my/index.php/mc-i-hutan-asli/22-artikel-menu/mc-i/151-wawasan-misi.html</p>	<p>Auditors have found that several boundary trees were pushed down during construction of skid trail and also construction of skid trail has exceeded licence boundary thus not complying to guidelines during field visits to active harvesting areas as follows:</p> <ol style="list-style-type: none"> 1. Licence CK-01-05-17 (KP) , Compt. 42B & 44B of Lepar PRF, it was observed that several boundary trees for licensed area were pushed down during the road construction 2. License CJ 01-37-16, Compt, 50, Tekam PRF, it was observed that construction of skid trail 1/1 (matau 1) exceeded the licence boundary as verified at boundary tree - station of C and D. Therefore a Minor NCR IA 01-17 for Indicator 1.5.2 was raised.
<p>Principle 2 Tenure and Use Rights and Responsibilities</p>	<p>The documentation of legal status, and established forest use rights of the land or forest resources within the relevant federal, state and local laws was made available during the audit. Documents related to forest reserve gazettement which are under the National Forestry Act were kept at the PSFD headquarters. Records of the gazetted forest reserves in the 5 districts of the FMU with their names, land areas, gazette numbers and dates of gazette was presented to the audit team.</p> <p>In resolving disputes over the tenure and use rights, established mechanisms were in place. There are specific forms for filling in to monitor disputes and complaints from both local and Orang Asli communities. These forms ('Borang Maklumat Aduan Pelanggan') are accessible to the public.</p> <p>Additional mechanisms for resolving disputes include:</p> <ol style="list-style-type: none"> 1. <i>Mesyuarat Bersama Jabatan Perhutanan Pahang dengan Jabatan Kemajuan Orang Asli Negeri Pahang</i> [Meeting between PSFD and JAKOA] 	<p>There were no negative findings.</p>

Principle	Strengths	Weaknesses
	<ol style="list-style-type: none"> 2. <i>Jawatankuasa Kemajuan dan Keselamatan Kampong (JKKK)</i> [Village Development and Security Committee] 3. <i>Pejabat Penghulu Mukim via ketua kampong</i> [Sub-District Office] 4. <i>Jawatankuasa Kerja Tindakan Daerah</i> [District Action Committee] 5. <i>Jawatankuasa Tindakan Negeri</i> [State Action Committee] 6. <i>Majlis Tindakan Negeri</i> [State Action Council] 7. <i>Majlis Mesyuarat Kerajaan Negeri (MMK)</i> [State Executive Council] 	
<p>Principle 3 Indigenous People's Rights</p>	<p>The customary use rights of the Orang Asli within the PRF were respected in forest management planning and implementation in accordance to the Aboriginal Peoples Act 1954.</p> <p>FMU manager supports all legally recognized mechanisms in collaborating with other agencies as well as in consultation with local communities whenever land rights and forest resource use conflicts and grievances do occur.</p> <p>There was no recorded civil court case pertaining to legal or customary tenure or use rights within the PRF</p> <p>Appropriate procedures for identification and protection of sites of special cultural, ecological, economic or religious significance to the Orang Asli had been established. Management procedure mechanisms had been put in place to ensure that these sites were identified and duly protected and the community's right of access to these areas were provided for.</p> <p>Settlement within 0.5 - 5.0 km radius of the area to be logged must be identified. If settlements were present, dialogues would be initiated. Potential impacts of forest activities on local communities would be documented in 'Panduan Maklumat Kajian Impak Sosial Dalam Sektor Pembalakan (Sebelum Pembalakan) (Social Impact Study) (Form E for "Documenting Social Impact Study in the Logging Sector (Prior to harvesting)". Data collected were used to identify sites of special significance for protection.</p> <p>There was no evidence to show that the Orang Asli's traditional forest-related knowledge and practices in forest species or management systems had been used in forest operations.</p>	<p>There were no negative finding.</p>
<p>Principle 4 Community Relations and Workers' Rights</p>	<p>The Pahang FMU had provided sufficient support for training, retraining, local infrastructure, facilities and social programs for departmental staff. There is a centralised training centre in Belimbing with facilities for the training programmes of the PSFD. Training and retraining were made available to the employees of the PSFD as well as logging contractors and their</p>	<p>There were no negative findings.</p>

Principle	Strengths	Weaknesses
	<p>workers.</p> <p>There were records to confirm that people in communities living within, or adjacent to, the FMU were given preference for employment and contract works.</p> <p>The up-to date information on all applicable laws and regulations covering occupational safety and health of forest workers has been disseminated to forest workers of the contractors. The poster on occupational safety and health in logging operations was disseminated among contractors by the District Forest office.</p> <p>PSFD staff and contractor workers were not restricted to organise and undertake collective bargaining and to freely organise into union of their own choice. Their rights have been communicated to them by the PSFD management. The “Kesatuan Pegawai-Pegawai Hutan Melayu Semenanjung Malaysia” (Association of Uniformed Staff) PSFD Branch was responsible for protecting the welfare of uniformed workers.</p> <p>Contractor’s workers from logging area indicated that they were aware on the freedom to associate and organise. The logging contractors’ workers were not unionised but their welfare was being protected under the Employment Act 1955.</p> <p>A socio-economic study, as part of the Macro EIA for the Pahang FMU has included a description of the socio-economic profile of indigenous and local communities and identified Orang Asli settlements and potential positive and negative impacts of forestry operations on the communities.</p> <p>Appropriate mechanism used for resolving grievances, and to provide fair and equitable compensation for any loss or damage affecting the local communities’ legal or customary rights, property, resources, or their livelihoods, caused by forest operations are available.</p>	
<p>Principle 5 Benefits From the Forest</p>	<p>Investments and reinvestments were made in forest management, including aspects of forest administration, research, human resource development, protection, economy, conservation, environment and social.</p> <p>Timber was the main product being extracted from the forest in the FMU. All harvesting had been conducted through the application of Guidelines for Reduced Impact Logging in Peninsular Malaysia and followed by post harvesting practices. The FMU also has conducted Pre-F and Post-F inventories in order to optimize use of forest resources. The ultimate objective of all programmes is aimed at ensuring the sustainable management of the resource that includes non-timber forest products (NTFPs) as well</p>	<p>There were no negative findings.</p>

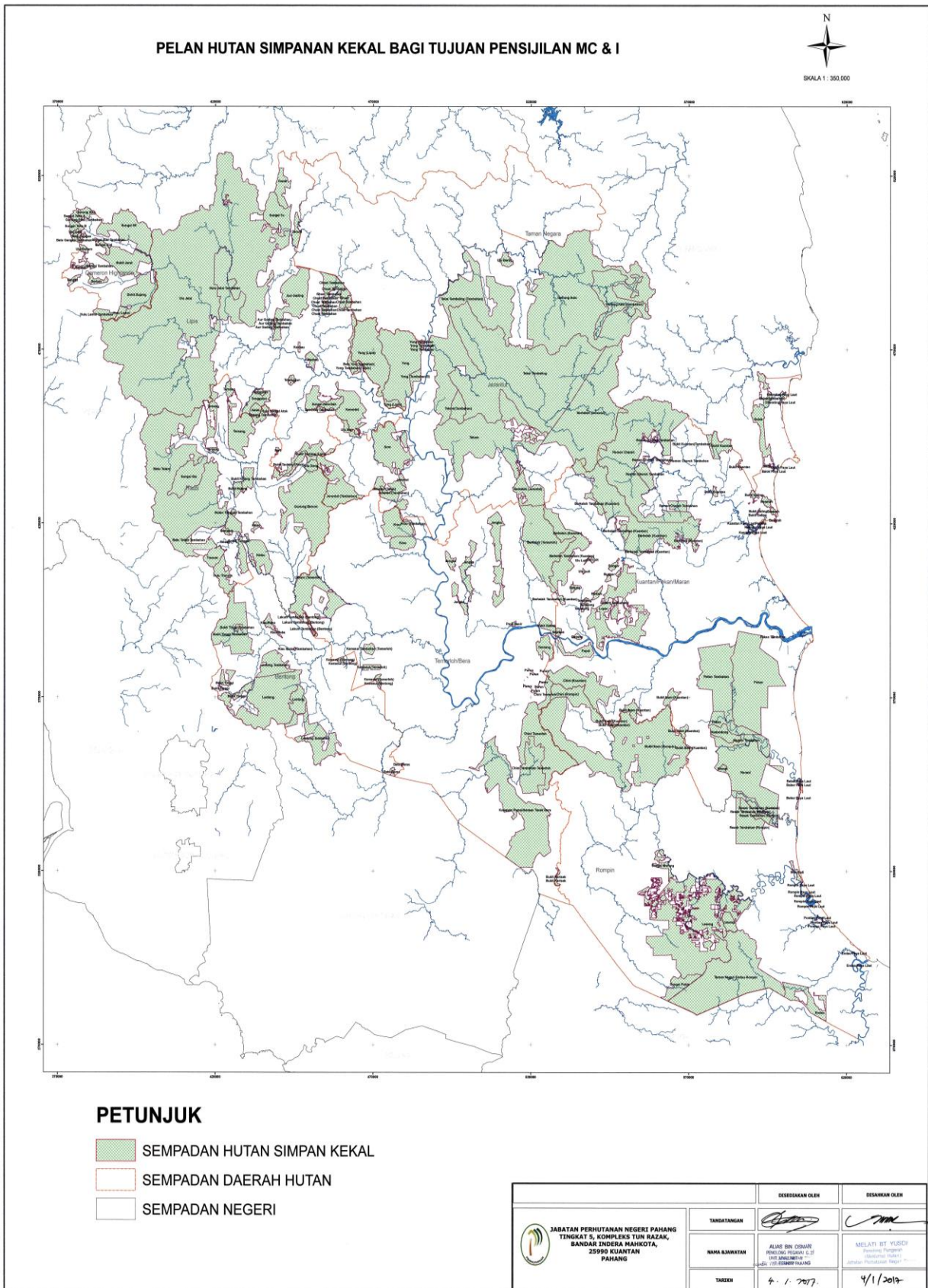
Principle	Strengths	Weaknesses
	<p>as its services.</p> <p>The PSFD had continued to minimize wastage through proper pre-harvest, tree tagging as well as precise directional felling to prevent residual stand from being damaged. The auditor had seen no significant damage or waste (such as abandoned logs) during harvesting from the tree stumps to main log landing site or <i>matau</i>.</p> <p>Guidelines and/or procedures were implemented to identify and demarcate sensitive areas for the protection of soil and water, watercourses and wetlands. The assurance of protection of sensitive areas in the FMU is stated in the FMP and under section 10 of the National Forestry Act 1984. Areas exceeding 1,000 meters above sea level or with slopes of more than 40 degrees were excluded from logging, demarcated and mapped as protection forests.</p> <p>Harvesting rates in Pahang FMU were determined by the annual allowable cut (AAC) set in the FMP and in the 11th Malaysia Plan for the amount 13,687 ha a year or a total of 68,435 ha over the five year duration in the plan (2016-2020).</p>	
<p>Principle 6 Environmental Impact</p>	<p>A macro environmental impact assessment for Pahang FMU is available. Potential impacts, mitigation measures and plan for monitoring are described based on the following activities:</p> <ul style="list-style-type: none"> • Existing forest resources within Pahang FMU • Baseline environmental information (include biodiversity, physical environment & socio-economic) • Potential impacts at each stage of operations • Proposed mitigation measures • Residual impacts. <p>The PSFD had adhered to the specifications of the three volumes of Forest Manual 2003 [<i>Manual Perhutanan: Jilid I – Pentadbiran, Jilid II – Operasi Hutan, Jilid III – Pembangunan Hutan</i>] “<i>Panduan Penubuhan dan Penyelenggaraan Kawasan-kawasan Hutan Dara, 1987</i> [Guidelines for the Establishment and Maintenance of Virgin Jungle Reserves, 1987] and the need to have buffer strips for streams as specified in the “Guidelines for Reduced Impact Logging in Peninsular Malaysia 2003” and “Garis Panduan Jalan Hutan 2010 (Pindaan 2013)”.</p> <p>There was continuous cooperation between forest managers, conservation organizations and regulatory authorities on implementing conservation and management activities.</p> <p>Hunting and collecting activities had been strictly controlled within the FMU. Poaching within the PRF is prohibited under the National Forestry Act and under the Wildlife Conservation Act 2011. PSFD</p>	<p>During site inspection of 5 active logging area, auditors have found that in Compartment 50B Tekam PRF (CJ 01-37-16(KP)) and Compartment 117 Chini PRF (CT 01-17-16 (KP)), the roads constructed across waterways did not include sufficient measures to control soil erosion. The construction of sumps and restraints to prevent soil from being washed into waterways were not adequate. Culverts were blocked and ponding was visible. Therefore, a Minor NCR SAM-01/2017 for Indicator 6.5.1 was raised.</p> <p>Inspection of skid trail at active logging areas found that the skid trails constructed did not follow the alignment within the harvesting plan as verified at Compartment 50B Tekam PRF, Compartment 117 Chini PRF and Compartment 42 Lepar PRF. Also, it was found that 1 of 3 skid trails inspected in Compartment 50 B Tekam FR with excessive blading and exceeded the maximum width allowed. Therefore, a Minor</p>

Principle	Strengths	Weaknesses
	<p>does not permit any activities for hunting and fishing within the PRF. Consultation with the logging contractors indicated that they were aware of the need to protect protected fauna and the workers are not allowed to do any hunting. However, the Orang Asli communities can harvest any forest produces for their subsistence needs.</p> <p>Harvesting design in the FMU had continue to take into consideration the need for the conservation of biological corridors and buffer zones for features of special biological interest for wildlife. Sungai Yu, Ulu Jelai and Tanum Forest Reserves have been identified as wildlife corridors in the Central Forest Spine (CFS) project covering 1,584.13 ha. PSFD also has constructed 3 eco-viaduct in order to reduce human-wildlife conflicts and also as wildlife crossing area between Sungai Yu, Ulu Jelai, Tanum and National Park</p> <p>Representative samples of undisturbed natural forests are found in the VJRs. 19 VJRs have been established throughout Pahang FMU, covering a total area of 2,922.09 ha.</p> <p>Harvesting operations in the FMU were conducted based on the requirements of the Guidelines for Reduced Impact Logging in Peninsular Malaysia 2003 and the Forest Road Guidelines 2010 (Amended 2013) to reduce soil compaction due to use of heavy machinery and therefore to protect soil through minimizing erosion and compaction. The logging is also guided by the approved harvesting plan.</p> <p>PSFD had established standard operating procedures on waste disposal and re-cycling of liquid and solid non-organic wastes and records of disposal of containers, liquid and solid non-organic wastes, including fuel and oil.</p> <p>Biological control agents have not been used in the Pahang FMU management. There are no records of application of biological control agents in the FMU.</p> <p>Conversion from natural forest to forest plantations or non-forest use in the Pahang FMU did not include any High Conservation Value Forest (HCVF) areas and covered a very limited portion of the management unit hence, ensuring conservation, economic and social values. During this audit, audit team has verified that there was no conversion of PRFs to forest plantations or non-forest use.</p>	<p>NCR SAM-02/2017 for Indicator 6.5.3 was raised.</p>

Principle	Strengths	Weaknesses
<p>Principle 7 Management Plan</p>	<p>The Forest Management Plan (FMP) 2016 - 2025 was made available at the Bukit Sekilau Office in Kuantan, Pahang. It had incorporated all the items listed from a) to i) in Criterion 7.1).PSFD has maintained its harvesting system with additional of reduce impact logging (RIL) system as stated in the FMP.</p> <p>The revision of the FMP 2016 – 2025 will be conducted in 2020 or after five years from this audit.</p> <p>PSFD has adequate training facilities for staff and Forest Contractor’s staff in the main campus at PLPP Belimbing in Pahang State and at complementary training centres which include PLPN Sungai Tong, Terengganu, Forest nursery (Lentang PRF) and other venues including Kompleks Rakan Muda, Maran; Rompin Beach Resort, Rompin; Range Offices and associated training locations. Courses conducted include tree tagging, forest road construction, Pre-F and Post-F inventory, Directional Felling, RIL, enforcement training, MC&I and dendrology & wood identification.</p>	<p>A summary of the primary elements of the Forest Management Plan 2016-2025 was not updated in the Pahang State Forestry Department official website – ‘Ringkasan Eksekutif’. Therefore, a Minor NCR MRS 01/2017 for Indicator 7.4.1 was raised.</p>
<p>Principle 8 Monitoring and Assessment</p>	<p>The PSFD had continued to use the monitoring forms A – D, [A: Infrastructure, B: Forest Harvesting, C: Environment, D: Output] for assessing social, ecological, environmental and economic impacts of forest operations.</p> <p>The monitoring on social elements was done using the form ‘Panduan Maklumat/Borang Kajian Impak Sosial dan Alam Sekitar Dalam Sektor Pembalakan’ which was compiled before, during and after harvesting for each harvesting licence.</p> <p>Growth plots which had been established in the FMU were enumerated on a regular basis by the staff from the Forestry Department Headquarters Peninsular Malaysia in Kuala Lumpur with the assistance of PSFD. The PSFD had continued to establish a one-ha plot immediately after harvesting to assess the stocking status of the residual stand and also prepared quarterly progress reports and data on log production. A monthly report was also prepared on each active logging site.</p> <p>Log movement from the stump to main forest gate had continued to comply with the set procedures. Logs leaving the logged stand are issued with a delivery order prepared by the logging contractor where the tree number, species, log production number, log length, diameter, and net volume were documented, including the block number, coupe/license number, stumping point, name of recorder, date and vehicle number. Site inspection found that log movement was in good order and there was no discrepancy in term of the information on each log as detailed in the Removal Passes and the Tree Tagging Book.</p>	<p>There were no negative findings.</p>

Principle	Strengths	Weaknesses
	<p>The PSFD has incorporated the results from monitoring activities on HCVFs and scientific research into the Forest Management Plan 2016-2025.</p> <p>An analysis on the growth plots and comparison of inventory before logging (Pre-F) and inventory after logging (Post-F) had been completed and the results had been updated the public summary as below;</p> <p>http://forestry.pahang.gov.my/download/analysis_of_growth.pdf</p>	
<p>Principle 9 Maintenance of High Conservation Values</p>	<p>PSFD has established 5 sites as HCVF. The five sites are</p> <ul style="list-style-type: none"> • the Rafflesia plot at Compartment 11, Gunung Benom Forest Reserve, • Meranti Mengkai (<i>Shorea Bentongensis</i>) at Compartment 13, 14 & 59, Lentang Forest Reserve, • Padang Tujuh Kerangas ecosystem at the Endau-Rompin State Park • Berus Mata Buaya (<i>Bruguiera hainessii</i>) at the Pontian Mangrove Forest Reserve in Rompin • Tongkat Ali (<i>Eurycoma longifolia</i>) stand at Compartment 1, HSK Paya Pasir, Temerloh <p>There was documented evidence of consultations being held with the local communities on the option to maintain or enhance all of the HCVFs sites in the FMU.</p> <p>Measures to demarcate, maintain and enhance the HCVF attributes had been documented in the FMP (2016-2025). In addition, management prescriptions for HCVF sites had been developed and a map on them had been prepared. The information on HCVFs has been posted on the PSFD's web page;</p> <p>http://forestry.pahang.gov.my/index.php/mc-i-hutan-asli/19-artikel-menu/info-hutan/128-pengenalan-hcvf-di-negeri-pahang.html</p> <p>The PSFD had continued to use the existing monitoring guidelines to assess the effectiveness of the measures in the management of the HCVFs. The results of the monitoring of HCVF sites within the FMU have been incorporated into the FMP 2016-2025.</p>	<p>It was found that no new assessment of potential HCVF sites was conducted. Consultation with relevant stakeholders to assess, identify and enhance HCVF needs to be undertaken. The FMP had indicated that such assessment will be undertaken. Therefore an OFI for Indicator 9.1.1 was raised to monitor the implementation of the assessment.</p>

Map of Pahang FMU



Details of Auditors and Qualification

Assessment Team	Role/Area of MC&I Requirement	Qualification and Experience
Mohd Razman Salim	Assessment Team Leader / Forester	<p>Academic Qualification: B.Sc of Forestry (Forest Production), University Putra Malaysia.</p> <p>Work Experience: Five years experienced as Research Officer at the Forest Research Institute Malaysia (FRIM) since 2007 in a various area such as ecological research for lowland and hill dipterocarp forest, Geographic Information Systems, forest inventories, forest harvesting and forest management system (SMS). Participate in organizing committee member, division level activities and projects. Coordinate and collaborate a long term ecological plot and inventory data about 25 years at the Pasoh, Negeri Sembilan with Negeri Sembilan Forestry Department, universities (local & international) and NGOs. Published and presented research findings at the seminars and conferences. Currently as Auditor at the Food, Agriculture and Forestry Section (FAF), SIRIM QAS International Sdn Bhd, since 2013. Involved in conducting assessments on forest management certification [MC&I (Natural Forest)] & [MC&I (Plantations)], MYNI of RSPO P&C and other management systems on ISO 9001, 14001 and OHSAS 18001</p> <p>Training / Research Areas: Attended the following training programmes: Auditor Training Course on Malaysian Criteria and Indicators for Forest Management Certification [MC&I (Natural Forest)] & [MC&I (Plantations)] organized by MTCC, 1-4 December 2013.</p> <ul style="list-style-type: none"> • EMS 14001: 2004 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 18-22 March 2013. • OHSAS 18001: 2007 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 11-15 March 2013. • QMS 9001: 2008 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 4-8 March 2013.
Dr. Samsudin Musa	Assessment Team Member / Forester	<p>Dr. Samsudin bin Musa is a Senior Research Officer at the Forest Research Institute of Malaysia (FRIM) since 1997. He graduated in 1984 with a B Sc. Forestry from the University Putra Malaysia and has completed his PhD studies in Universiti Kebangsaan Malaysia (UKM) in 2011. From 1993 to 1997 he was the Forest Inventory Officer at the Forestry Department Headquarters, Peninsular Malaysia. Prior to that, he was the Head of Inventory Unit of the ASEAN Institute of Forest Management in Kuala Lumpur from 1987 to 1993. His area of expertise include silviculture, climate change and forest certification.</p> <p>He was involved in the following forest management/chain-of-custody certification training programmes:</p> <ul style="list-style-type: none"> • Workshop on Forest Management Certification, Institut Penyelidikan Perhutanan Malaysia, Kepong. (12-13 December 1996). – Resource person • XXI IUFRO Pre-Congress Workshop on Sustainable forest management and Criteria & Indicators, FRIM, Kepong, Malaysia (1-4 August, 2000) – Resource person • Workshop on Methodologies for Assessing Forest Biodiversity and Estimating its Recovery. Kuala Lumpur, Malaysia (30-31 October,

		<p>2001). – Resource person</p> <ul style="list-style-type: none"> • Training in Forest Management Certification by Scientific Certification System, SIRIM, February 2000, Shah Alam, Selangor • Quality Assurance Auditor/Lead Auditor Training Course and Examination, 25-29 March 2003, Moody International Certification., FRIM, Kepong, Selangor • Forest Management Certification Procedures, SIRIM QAS, 19 February 2009, Shah Alam, Selangor • ISO 14001:2004 EMS Lead Auditor Training Course under SIRIM Training Services Sdn Bhd, 2-6 March 2009 • Auditor Training Course on MC&I 2002, 30 March – 2 April 2002 by MTCC, Kuala Lipis, Pahang <p>His auditing experiences include the following:</p> <ul style="list-style-type: none"> • Conducted by SIRIM QAS International against the MC&I (2002), 9-13 April 2007 • Lead Auditor in Field Tests of MC&I (2002) in Sarawak FMU for the Malaysian Timber Certification Council.
Ismail Adnan Malek	Assessment Team Member / Forester	<p>Academic Qualification: Master of Forestry, University of British Columbia, Canada</p> <p>Work Experience: One year (1974-1975) experience as Sub Assistant Conservator of Forest at the Pahang Forest Department, involved with Forest Administration/Management and Enforcement. Next, seven years (1979-1986) experience as Forest Officer/Logging Superintendent at Syarikat Jengka Sdn. Bhd (SJSB), an integrated timber complex in Pahang. Responsible for Forest Licensing/ Administration, Forest Mapping, Road Construction and Logging Operations. Senior Lecturer at the Forestry Faculty, Universiti Putra Malaysia (UPM) from 1986 to 2014. Responsible for teaching and research in Forest Mensuration, Forest Survey, Forest Road, GIS/Remote Sensing and Forest Mapping. Responsible for academic supervision of more than 100 Bachelor/Master/Phd students in their research and thesis writing. Own research at UPM include various areas such as forest mapping using geo spatial tools, forest inventories, forest harvesting and forest management system (SMS). Also involved with consultancy works which include RPH development and Forest Mapping. Participate in organizing local/international seminars on Forestry areas. Published and presented research findings at seminars/conferences and journals. Currently as Auditor at the Food, Agriculture and Forestry /ion (FAF), SIRIM QAS International Sdn Bhd, since 2016. Involved in conducting assessments on forest management certification MC&I (Natural Forest) & MC&I (Forest Plantations).</p> <p>Training / Research Areas:</p> <ul style="list-style-type: none"> • Auditor Training Course on MC& I (Natural Forest) and MC&I (Forest Plantation V2), 9th-10th July 2015, SIRIM QAS International Sdn Bhd • ISO 14001:2004 Lead Assessor Training, 23rd-27th Nov 2015, SIRIM Training Services Sdn. Bhd • Training on Auditing Techniques, 26th January 2016, SIRIM QAS International Sdn Bhd
Dr. Mohd Nazre Saleh	Trainee Auditor / Forester	<p>Academic Qualification: <i>Diploma in Forestry, UPM</i> <i>B. Sc. Conservation Biology & Ecology (UKM)</i> <i>MSc. Botany (UKM)</i> <i>PhD. Botany (Edinburgh)</i></p>

		<p>Work Experience: One year as Research Assistant in WWF-Malaysia in the year from 1999-2000. Become an academic staff in Faculty of Forestry, Universiti Putra Malaysia (UPM), Serdang Selangor from 2000 to present (16 years), starting as a tutor promoted as Senior Lecturer in 2009, and currently as an Associate Professor since 2013. Main responsibility is teaching the undergraduates in the subject of Dendrology, Forest Ecology and Ethnobotany, and Forest Dynamics for postgraduate students. Main research subjects are botany, forest ecology and, forest conservation and management done by supervising both undergraduate and postgraduate (Master/PhD) students funded by local and international grants. Appointed as Head of Department since 2010 for Department of Forest Production (2010-2012) and Department of Forest Management (2013-present). Has sat in many committees for university and ministry (national) related to forestry subjects such as Mangrove Conservation, Forest Management, Forest Protection and Forest Plantation. Published more than 50 articles in local and international book, journals, chapters in books, conference proceeding and technical reports. Attended and presented in many workshops, conferences, seminars held at both local and international levels.</p> <p>Training / Research Areas: Attended and pass the following training programmes:</p> <ul style="list-style-type: none"> • Auditor Training Course on MC& I (Natural Forest) and MC&I (Forest Plantation V2) (SIRIM QAS Sdn. Bhd), 9th-10th July 2015. • EMS 14001: 2004 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 18th – 22nd July 2016. • Forest Management Certification (FMC) Workshop, SIRIM Bhd, 6th –7th December 2016 • Training on Auditing Techniques (SIRIM QAS Int. Sdn. Bhd), 26th January 2016.
<p>Khairul Najwan Ahmad Jahari</p>	<p>Observer</p>	<p>Academic Qualification: B.Sc of Forestry (Forest Management), Universiti Putra Malaysia.</p> <p>Work Experience: Appointed as contract Research Officer in the Natural Forest Division, Forest Research Institute of Malaysia (FRIM), since 2001. Conduct and coordinate a research on 8th Malaysian Plan Project. Produce technical reports, meeting, seminar and conferences reports as well as quarterly physical and financial reports. Coordinate and participate field works, multi-level meetings, seminars, conferences and workshops. Spent some time in other existing FRIM projects (inter divisional) as an organizing committee member, division level activities and projects. Currently as Auditor at the Food, Agriculture and Forestry Section (FAF), SIRIM QAS International, since 2009. Involved in conducting assessments on forest management certification (MC&I and FSC P&C), MYNI of RSPO P&C and other management system on ISO 9001, 14001 and OHSAS 1800</p> <p>Training / Research Areas: Attended the following training programmes:</p> <ul style="list-style-type: none"> • Auditor Training Course on Malaysian Criteria and Indicators for Forest Management Certification [MC&I (2002)] organized by MTCC, 30 March - 2 April 2009. • EMS 14001: 2004 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 2-6 March 2009. • OHSAS 18001: 2007 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 23-27 Feb 2009. • QMS 9001: 2008 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 16 – 21 Feb 2009.

Surveillance 1 Audit Plan

DAY	TIME	PROGRAM		
		TEAM A Ismail Adnan (Dr Nazre & Najwan)	TEAM B	
			Razman	Dr Samsudin
Day 0 19/2/17		<ul style="list-style-type: none"> Travel to Kuantan – Stay at Vistana Kuantan City Centre Hotel Briefing by Audit Team Leader on the audit plan 		
Day 1 20/2/17	9.00 am – 10.00 am	<ul style="list-style-type: none"> Opening Meeting with representatives of FMU Briefing session by Forest Manager of the FMU on progress of forest activities Check on changes to the management of the FMU and audit scope Check on progress of planned activities aimed at enhancing the operation system to achieve improvement in overall performance Check on complaints, stakeholder comments and follow-up actions such as government agencies, NGOs, etc. Consultation with workers union Check on verification for closing NCRs raised during the previous audit Evaluate on procedures for internal audit Evaluate on management review system Documentation and records review 		
	10.00 am – 5.00 pm	<ul style="list-style-type: none"> Principle 1 – Compliance with Laws and Principles Principle 2 – Tenure and Use Rights and Responsibilities Principle 3 – Indigenous Peoples' Right Principle 4 – Community Relations and Workers' Right 	<ul style="list-style-type: none"> Principle 6 – Environmental Impact Principle 7 – Management Plan 	<ul style="list-style-type: none"> Principle 4 – Community Relations and Workers' Right Principle 5 – Benefits from the forest Principle 8 – Monitoring and Assessment Principle 9 – Maintenance of High Conservation on Value Forests
		Overnight in Kuantan		
Day 2	7.00 am – 5.00 pm	Site visit at active area: <u>Kuantan/Pekan*/Maran</u>	Site visit at active area: <u>Temerloh/Bera</u>	
		<ul style="list-style-type: none"> Document review at District Office Inspection of active harvesting area, boundaries & buffer zone – Compt. 42B & 44B, Lepar PRF [CK 01-05-17 (KP)] Pre-F – Compt. 1& 6, Papai PRF Post-F – Compt. 42 & 44 Lepar PRF (CK 01-11-16 (KP)) Lepar Mobile Forest Checking Station (S) Interview with Orang Asli community – Kg. Paya Bungor, Lepar 	<ul style="list-style-type: none"> Document review at District Office Inspection of active harvesting area, forest boundaries and buffer zone – Compt 117, Chini PRF [CT-01-17-16 (KP)] Temporary Forest Checking Station Interview with Orang Asli community – Kg. Gegerih, Temerloh 	

	5.30pm	<ul style="list-style-type: none"> Team A – travel and overnight at Raub Team B - travel and overnight at Jerantut 	
Day 3	7.30 am – 5.00pm	Site visit at active area: <u>Jerantut</u>	Site visit at active area: <u>Jerantut</u>
		<ul style="list-style-type: none"> Document review at District Office Inspection of active harvesting area - Compt. 187, 188, 189 & 219, Tekam PRF (CJ 01-82-16 (KP)) Inspection of hydroelectric project at Tekai Tembeling PRF Sg. Tekam Forest Checking Station 	<ul style="list-style-type: none"> Document review at District Office Inspection of active harvesting area, boundaries and buffer zone at Compt 50B, Tekam PRF [CJ 01-37-16(KP)] Sg. Tekam Forest Checking Station Interview with Orang Asli community – Kg. Sematau, Jerantut
	5.30pm	<ul style="list-style-type: none"> Team A - travel and overnight at Bentong/Mentakab Team B - travel and overnight at Lipis 	
Day 4	7.30 am – 5.00 pm	Site visit at active area: <u>Rompin</u>	Site visit at active area: <u>Lipis</u>
		<ul style="list-style-type: none"> Documentation and records review Inspection of Pre-F – Compt. 98A, 99A & 100, Bukit Ibam PRF[CR 01-17-16 (KP)] Muadzam Shah forest nursery Forest plantation – Lesong PRF Interview with Orang Asli community – Kg. Kedaik, Rompin 	<ul style="list-style-type: none"> Document review at District Office Terenggun forest nursery Wildlife corridor and viaduct – Sg. Yu and Ulu Jelai PRF HCVF – <i>Shorea bentongensis</i> (Meranti Mengkai)
	5.30pm	<ul style="list-style-type: none"> All teams stay at Temerloh, Pahang 	
Day 5	8.30 am – 12.00 pm	<ul style="list-style-type: none"> Preparation of audit report and finding at Ladang Hutan Kemasul 	
	12.00pm- 2.30pm	<ul style="list-style-type: none"> Break & Friday Prayer 	
	3.30pm - 4.30pm	<ul style="list-style-type: none"> Closing Meeting and presentation of findings of audit and discussion on follow-up activities Adjourn Closing Meeting 	

Details on NCRs and OFIs Raised During this Surveillance Audit and Corrective Actions Taken

Indicator	Specification Major/Minor/ OFI	Detail Non-conformances	Corrective Action Taken	Verification by Assessor
Indicator 1.5.2 NCR #: IA 01-17	Minor	<p>Requirement : Indicator 1.5.2 Control of encroachment, illegal harvesting, hunting and settlement, and other unauthorised activities in the FMU</p> <p>Finding : Unauthorised pushing of boundary trees during road and skid trails construction.</p> <p>Objective evidence : 1. During site visit to licence CK-01-05-17, Compt. 42B & 44B of Lepar PRF, it was observed that several boundary trees were pushed down during the road construction 2. During site visit to licence CJ 01-37-16, Compt, 50, Tekam PRF, it was observed that construction of skid trail 1/1 (matau 1) exceeded the licence boundary as verified at boundary tree - station of C and D</p>	<p>1. Surat, Borang 2, dan denda telah dikeluarkan untuk memberhentikan kerja-kerja pengusahaan hutan bagi memastikan kerja-kerja penambahbaikan dilaksanakan oleh pihak kontraktor. Surat Rujukan Bil. (80) dlm. PHD,J 100-21-027/1031 bertarikh 13 March 2017.</p> <p>2. JPNP akan mengadakan kursus Garis Panduan Jalan Hutan 2010 (pindaan 2013), kursus Pengendalian Jentera Berat (Beroda & Berantai) dan kursus Tebangan Berarah kepada pelesen dan kontraktor yang terlibat terutamanya Kepala Hutan bagi memantapkan kefahaman terhadap spesifikasi yang perlu dipatuhi.</p>	<p>Auditor has received corrective action plan from PSFD on 13 March 2017 through letter - Bil. (80) dlm. PHD,J 100-21-027/1031.</p> <p>PSFD has stopped the harvesting operation and compound to the contractor.</p> <p>PSFD will be conducting a briefing on forest road guidelines and directional felling to contractor, excavator operator and tree felling operator including harvesting supervisor.</p> <p>Status: Implementation and effectiveness of the corrective action will be verify during next audit.</p>
Indicator 6.5.1 NCR #: SAM-01/2017	Minor	<p>Requirement : 6.5.1 Availability and implementation of harvesting procedures to protect the soil from compaction by harvesting machinery and erosion during harvesting operations.</p> <p>Finding : The construction of road across waterways did not adhere to the requirements of the Guidelines for Reduced Impact Logging in Peninsular Malaysia, 2003</p> <p>Objective evidence : During the inspection of the active logging sites in</p>	<p>1. Pejabat Hutan Daerah yang berkaitan telah mengarahkan pihak pelesen dan kontraktor menjalankan penyelenggaraan jalan hutan (Rujukan Surat PKHDB.100 21/0/174 () bertarikh 9 Mac 2017 dan Bil. (80) dlm. PHD,J 100-21-027/1031 bertarikh 13 March 2017)</p> <p>2. JPNP akan mengadakan kursus Garis Panduan Jalan Hutan 2010 (pindaan 2013), kursus</p>	<p>Auditor has received corrective action from PSFD on 13 March 2017 through letter - PKHDB.100 21/0/174 () bertarikh 9 Mac 2017 dan Bil. (80) dlm. PHD,J 100-21-027/1031.</p> <p>PSFD has directed the contractor to do construct sumps and restraints and maintenance of culverts after stopped the harvesting operation.</p> <p>PSFD will re-brief on</p>

		<p>Compartment 50B Tekam PRF (CJ 01-37-16(KP)) and Compt 117 Chini PRF (CT 01-17-16 (KP)), it was found that the roads constructed across waterways did not include sufficient measures to control soil erosion. The construction of sumps and restraints to prevent soil from being washed into waterways were not adequate. Culverts were blocked and ponding was visible.</p>	<p>Pengendalian Jentera Berat (Beroda & Berantai).</p>	<p>forest road guidelines to contractor and excavator operator.</p> <p>Status: Implementation and effectiveness of the corrective action will be verify during next audit.</p>
<p>Indicator 6.5.3</p> <p>NCR #: SAM-02/2017</p>	<p>Minor</p>	<p>Requirement : 6.5.3 Availability and implementation of guidelines for forest road lay-out and construction, including log landings and drainage requirements.</p> <p>Finding : The skid trail constructed had exceeded the maximum specification allowed under the <i>Garis Panduan Jalan Hutan 2010 (Pindaan 2013)</i></p> <p>Objective evidence : Inspection of the active logging site in Compt. 50B Tekam FR, Compt. 117 Chini FR and Compt. 42 Lepar FR it was found that the skid trails constructed did follow the alignment within the harvesting plan. Also, it was found that 1 of 3 skid trails inspected in Compartment 50 B Tekam FR with excessive blading and exceeded the maximum width allowed.</p>	<p>Pihak JPNP akan mengadakan kursus khas kepada Kepala Hutan kontraktor tersebut berkaitan pematuhan kepada <i>Garis Panduan Jalan Hutan 2010 (Pindaan 2013) dan</i> Guidelines for Reduced Impact Logging in Peninsular Malaysia, 2003.</p>	<p>Auditor has received corrective action from PSFD on 13 March 2017.</p> <p>PSFD will re-brief field supervisor and excavator operator on forest road guidelines.</p> <p>Status: Implementation and effectiveness of the corrective action will be verified during next audit.</p>
<p>Indicator 7.4.1</p> <p>NCR #: MRS 01 2017</p>	<p>Minor</p>	<p>Requirement : Indicator 7.4.1 A summary of the primary elements of the forest management plan as prepared and implemented under Indicator 7.1.1 shall be made available to the public</p> <p>Finding : A summary of the primary elements of the forest management plan which has been made available to the public was not up-to-date</p>	<p>Pihak JPNP akan mengemaskini ringkasan RPH tersebut di dalam Laman Rasmi JPNP untuk rujukan orang awam setelah Rancangan Pengurusan Hutan Negeri Pahang (RPH) (2016-2025) mendapatkan kelulusan Pihak Berkuasa Negeri Pahang untuk diguna pakai dan diterbitkan.</p>	<p>Auditor has received corrective action from PSFD on 13 March 2017.</p> <p>PSFD will updated summary of Forest Management Plan 2016-2025 in the PSFD official website.</p> <p>Status: Implementation and effectiveness of the</p>

		<p>Objective evidence : Auditor has verified a summary of the primary elements of the FMP at the Pahang Forestry Department official website – 'Ringkasan Eksekutif' was not up-to-date with FMP 2016 - 2025</p>		<p>corrective action will be verify during next audit.</p>
Indicator 9.1.1	OFI	<p>It was found that consultation with relevant stakeholders to assess, identify and enhance HCVF needs to be undertaken. The new FMP had indicated that such assessment will be undertaken. This OFI is raised to monitor the implementation of the assessment.</p>	Not required	<p>Auditor will verify during next audit.</p>

Verification on Previous Recertification (2016) Audit Findings and Action Taken

Indicator	Specification Major/Minor/OFI	Detail Non-conformances	Corrective Action Taken	Verification by Assessor
Indicator 1.1.3 NCR #: LYD-01/2016	Minor	Evidence of burning within the Forest Reserve was found during the inspection of PRF Bukit Ibam and PRF Chini. Record of violation against burning and action taken to address them was not found in the Buku Daftar Kesalahan Hutan Daerah Rompin & Temerloh as well as Tawaran Kompaun Kesalahan Hutan (Denda Selesai)	Kebakaran di HS Bukit Ibam dan HS Chini telah direkodkan dalam Buku Daftar Kesalahan Hutan. JPNP melalui Pegawai Hutan Daerah (PHD) akan meningkatkan pemantauan dan merekodkan kesalahan kebakaran hutan.	During this audit, it was verified that action had been taken by the Rompin FD to record the violation and description of action taken to resolve them in the 'Buku Daftar Kesalahan Hutan Daerah Rompin' (dated 23 February 2016). Status: Closed.
Indicator 6.1.3 NCR #: SAM-01/2016	Minor	Inspection of the macro EIA (MEIA) report indicated that the assessment was conducted in 2008. The FMU is currently developing a new FMP for the period 2016 -2025. The previous MEIA needs to be reviewed to take into consideration the changes in socio-economic and environmental conditions and the results incorporated into the new FMP.	Pihak JPNP berpandangan bahawa impak negatif daripada aktiviti pengurusan dan pembangunan hutan terhadap alam sekitar adalah sama. Oleh itu, langkah-langkah pencegahan yang digariskan di dalam EMP akan terus dilaksanakan dan dimasukkan di dalam RPH 2016-2025.	The existing macro-EIA developed is still relevant since there were no significant changes on the forest management system and harvesting system (SMS). The FMP 2016 -2025 has adopted the mitigation measures as recommended in the macro-EIA (PHN.PHG.(PEM)11 8/107). The mitigation measures were verified in the FMP 2016-2025 in Chapter 6: <i>Preskripsi Pengurusan Hutan</i> . Status: Closed
Indicator 6.5.3 NCR #: SAM-02/2016	Minor	The access road and skid trail constructed had exceeded the maximum specification allowed under the <i>Garis Panduan Jalan Hutan 2010 (Pindaan 2013)</i>	JPNP akan mengarahkan jurujukur perunding menanda kelarian jalan tuju lama dan jalan baru dalam pelan kelarian jalan yang akan dikemukakan sebelum proses pelesenan dikeluarkan.	Based on inspection of all active logging sites, construction of skid trail within the logging area has not exceeded the maximum allowed slope (22°). Status: Closed

<p>Indicator 6.5.4</p> <p>NCR #: SAM- 03/2016</p>	<p>Minor</p>	<p>During the inspection of the closed logging area in Compartment 282, Bukit Ibam PFR, one of the skid trails intruded into an adjacent buffer strip. In addition a tagged timber tree, peripheral to the buffer zone in an active logging area in Compartment 91A/96A PRF Chini (CT 01-1-16 (KP)), was also felled into the designated buffer area.</p>	<ul style="list-style-type: none"> • Semasa pengauditan dijalankan tiada bukti jelas lorong penarik telah memasuki zon penampian kerana tiada tunggu pokok tebangan ditemui. Pihak kontraktor yang dilantik oleh pihak Yayasan Pahang menanam di kawasan tersebut kerana ianya agak lapang. • Manakala di HS Chini, hanya sisa dahan pokok tebangan yang jatuh ke kawasan zon penampian • Pihak JPN Pahang akan meningkatkan pemantauan semasa operasi pengusahasilan dan akan mengambil tindakan sewajarnya jika terdapat lorong penarik dan tebangan di dalam zon penampian. 	<p>During inspection at active harvesting and closed areas, it was found that the implementation of harvesting procedures to protect the soil from compaction by harvesting machinery and erosion during harvesting operations consistently adhered to the requirements of Forest Road Guidelines.</p> <p>The riparian buffer strips were demarcated on the map as well as on the ground to protect water resources.</p> <p>No trees were marked for felling within the riparian buffers and the buffers remained intact.</p> <p>Status: Closed</p>
<p>Indicator 6.5.1</p> <p>NCR #: MRS 01 2016</p>	<p>Minor</p>	<p>During site inspection at active logging area, Compartment 364-A, Ulu Jelai PRF, the auditor found that the side drain at feeder road from temporary log yard M1 to M2 did not meet road specification in terms of depth of drain (0.3m).</p>	<ul style="list-style-type: none"> • Pegawai Hutan Daerah (PHD) Lipis telah mengarahkan pihak kontraktor untuk menyelenggara jalan tuju melalui surat Bil(70) dlm PHDL.400-2/3 bertarikh 22 Mac 2016 	<p>Although the active logging sites as well as closed area are in generally hilly and steep terrain, the logging contractors in general manage to construct secondary roads, feeder roads and skid trails including the side drain (depth of drain = 0.3m) were according to RIL guidelines.</p> <p>Status: Closed</p>
<p>Indicator 6.7.1</p> <p>NCR #: MRS 02 2016</p>	<p>Minor</p>	<p>Records of disposal of contaminated debris resulting from spill of san tai wong engine oil at workshop for licensed area, Compartment 364-A, Ulu Jelai PRF, CL-01-9-15 (KP) was not available.</p>	<ul style="list-style-type: none"> • Pegawai Hutan Daerah (PHD) akan mengeluarkan surat arahan kepada kontraktor untuk membuat pelupusan sampah mengikut SOP Bagi 	<p>No containers and solid organic wastes were observed during the inspection at all active harvesting areas as well as closed harvesting area.</p>

			<p>Pelupusan Sisa Pepejal Dan Cecair Bukan Organik Berdasarkan Keperluan Kualiti Alam Sekitar.</p> <ul style="list-style-type: none"> • Pihak Pegawai Hutan Daerah (PHD) akan meningkatkan pemantauan bagi memastikan kontraktor mematuhi prosedur yang ditetapkan. 	<p>Based on interview with contractors, all the containers and solid organic wastes were stored at the workshop outside of the FMU.</p> <p>Status: Due to no evidence of non-compliance with the SOP on storage of waste and its disposal, this non-conformity was closed.</p>
<p>Indicator 7.1.1</p> <p>NCR #: IAAM - 1/2016</p>	Minor	<p>The Forest Management Plan 2016 – 2025 has not been finalized. The Forest management Plan of Pahang (2016 – 2025) (Third draft) did not provide description and map of planned management activities for Production Forests which include information on Forest District, HSK, Compartment and Year of Implementation (Para 6.3.1, Management of Production Forest (Panduan Penyediaan Rancangan Pengurusan Hutan Bagi Negeri-Negeri Di Semenanjung Malaysia, JPSM)</p>	<ul style="list-style-type: none"> • Draf ketiga RPH 2016-2025 telah disediakan dan mesyuarat RPH telah diadakan pada 28 Mac 2016 bagi penelitian draf terakhir dan RPH ini akan disiapkan selewat-lewatnya pada bulan Jun 2016. Semua perancangan pelaksanaan aktiviti pengurusan dan pembangunan hutan akan disediakan. 	<p>The Forest Management Plan (FMP) 2016 - 2025 was made available at the Bukit Sekilau Office in Kuantan, Pahang. It had incorporated all the items listed from a) to i) in Criterion 7.1).</p> <p>Status: Closed.</p>
<p>Indicator 1.5.2</p>	OFI	<p>The PRF boundaries needs to clearly demarcated to avoid encroachments and unauthorized activities within the FMU.</p> <p>During the inspection of the HCVF site in the mangrove forest in PRF Pontian, it was found that the boundaries between the PRF and stateland forests were not very clear. Forest Reserve plates were available but was not sufficient and not very clear.</p>	<ul style="list-style-type: none"> • JPNP telah menjalankan kerja-kerja mencuci dan menanda sempadan luar HSK mengikut peruntukan yang diperolehi setiap tahun. <p>Walau bagaimanapun, pada masa ini penyelenggaraan sempadan lebih tertumpu kepada kawasan berisiko tinggi seperti di Chini dan Cameron Highlands.</p>	<p>The PRF boundaries was clearly demarcated to avoid encroachments and unauthorized activities within the FMU as verified at all active logging sites including closed area. During the inspection of the HCVF sites which are Tongkat Ali (<i>Eurycoma longifolia</i>) stand at Compartment 1, HSK Paya Pasir, Temerloh and Meranti Mengkai (<i>Shorea Bentongensis</i>) at Compartment 13, 14</p>

				<p>& 59, Lentang Forest Reserve, it was found that the boundaries between the PRF and stateland forests were maintained.</p> <p>Status: Closed</p>
Indicator 4.2.1	OFI	<p>Up-to-date information on all applicable laws and/or regulations covering occupational safety and health of forest workers shall be disseminated to them.</p> <p>1) There was no accident recorded in the FMU from last year surveillance audit until recertification audit. However, the FMU has yet to send JKPP 8 form to DOSH for 2015 although there was no accident occurred in the FMU.</p> <p>2) Auditor has verified that contractor has provided insurance for all workers. However, the coverage period was not clearly stated in the insurance statement.</p>	<ul style="list-style-type: none"> •JPNP akan memastikan Borang JKPP 8 dihantar kepada DOSH sebelum 31 Jan setiap tahun. •PHD akan memastikan jangkamasa insuran dinyatakan dengan jelas dalam polisi insuran. 	<p>In 2017, no accident was recorded in the FMU, and the JKPP 8 form to DOSH for 2016 had been sent by the PSFD Safety Officer. JKPP 8 was sent to DOSH dated 30 January 2017. There was no record of accident for the whole year of 2016.</p> <p>Sample of Workmen Compensation Policy (Group Coverage) for employees was verified with details as follows: AXA Affin General Insurance Bhd; Cover Note No: Z164916; Effective dates: 23/9/2016 to 22/9/2017.</p> <p>Status: Closed</p>
Indicator 4.2.3	OFI	<p>First Aid Kit At Nursery Muadzam Shah, the logging area in Compartment 91a / 96a PRF Chini (CT-01-01-16) and the workshop in Compartment 364A Ulu Jelai FR (CL-01-9-15(KP)) was available. However, the quantity of first aid was not sufficient and some medicines were found to have expired. A checklist of materials within the first aid kit was not available.</p>	<ul style="list-style-type: none"> • Pegawai Hutan Daerah (PHD) akan mengarahkan kontraktor untuk memastikan <i>first aid kit</i> diurus dengan baik. 	<p>First aid boxes were also available at these areas. The quantity of first aid was sufficient. A checklist of materials within the first aid kit also was made available.</p> <p>Status: Closed</p>
Indicator 4.2.5	OFI	<p>The spillage container were found to be available at all the logging sites visited. However, in logging license area CT-01-01-16 in Compartment 91a / 96a PRF Chini the container was found to be</p>	<ul style="list-style-type: none"> •Pegawai Hutan Daerah (PHD) telah mengeluarkan arahan bertulis mengenai keperluan <i>spillage kit</i> kepada kontraktor. 	<p>During site inspection at active logging sites, the spillage container was made available and stored in the temporary store room. No spillage</p>

		inadequate. The spillage container was not under the shed and exposed to rain. A few holes have been made at the bottom of the tank. This may result in possible spillage leaking to the ground.		was found during the audit. Status: Closed
Indicator 6.2.3	OFI	Consultation with PERHILITAN indicated that collaboration with the Forestry Department Pahang has been established and information sharing is available. However it was indicated that consultation could be improved further. The formulation of the FMP should take into consideration National Action Conservation Plan and some budget could be made available for PERHILITAN to conduct fauna inventories within the FMU. The assessment of fauna undertaken by the Department should be relayed to PERHILITAN for their verification and updating of their information.	JPNP sentiasa bekerjasama dengan PERHILITAN dan agensi-agensi lain yang berkaitan dalam pelbagai aspek penguatkuasaan, kajian dan pertukaran maklumat.	The PSFD had established cooperation with PERHILITAN and other government agencies especially during the revision of the FMP 2016-2025. Among the related agencies that had been contacted in 2016 were the Department of Wildlife and National Park Peninsular Malaysia (PERHILITAN), Department of Orang Asli Development Malaysia (JAKOA), Department of Occupational Safety and Health (DOSH) and Forest Research Institute Malaysia (FRIM) as well as local universities in efforts to conserve and enhance forest resource values. Status: Closed.
Indicator 6.3.1	OFI	License CC-01-4-14 (KP), Compartment 60, PRF Tersang, post-felling. Exposed areas on skid trails (LP 10/5, LP 9/5) and temporary <i>metau</i> (No. 22) were planted with local timber species supplied by the department to the contractor. Seedlings planted in the <i>metau</i> (and also in another adjacent <i>metau</i>) perished, except for those on shaded periphery, presumably due to root growth impediment in compacted soil and exacerbated by prevailing El-Nino drying. Seedling mortality on the skid trails	<ul style="list-style-type: none"> •Kerja-kerja tanaman di kawasan ini adalah dilaksanakan oleh kontraktor yang dilantik oleh Yayasan Pahang. •JPNP akan memaklumkan kepada Yayasan Pahang supaya menyegerakan proses tanaman dan menanam mengikut kaedah yang sesuai terutama di kawasan matau dan pada masa 	It was evidenced in Compartment 42 & 44, Lepar PRF, enrichment planting had been implemented to supplement natural regeneration. Enrichment planting was conducted after harvesting operation completed. For highly compacted soil at temporary logyard and feeder road, contractor will dig a hole before planting seedlings. Status: Closed.

		was however negligible. Post-F planting condition on <i>metaus</i> , or any highly compacted soil, should specifically include ameliorative treatment in the license requirement, such as the breaking up of hard pan in the planting hole, to ensure greater seedling survival.	kemarau.	
Indicator 8.1.2	OFI	<p>Forest managers shall identify and implement appropriate monitoring procedures, in accordance with the scale and intensity of the forest management operations, for assessing social, ecological, environmental and economic impacts.</p> <p>Social evaluation was implemented before, during and after forest harvesting. However, recording of information can be improved. There is a need to ensure that all forms have been duly acknowledged by all parties.</p>	<ul style="list-style-type: none"> • JPNP akan memastikan borang penilaian impak sosial diisi dengan lengkap. 	<p>The visit to Orang Asli settlements at Kg. Paya Bungor (Lepar), Kg. Kedaik (Rompin), Kg. Gegerih (Temerloh) and Kg. Sematau (Jerantut) respectively, it was found that the community are aware of the social impact evaluation conducted by the PSFD and that they have acknowledged the results of the evaluation.</p> <p>Status: Closed</p>
Indicator 9.4.1	OFI	<p>During the inspection of the HCVF in the mangrove forest within the Pontian PRF, it was found that the annual monitoring only covered the plot where the Berus Mata Buaya was found and not the whole HCVF site covering an area of 195 ha.</p>	<ul style="list-style-type: none"> • PSN dengan kerjasama Pegawai Hutan Daerah (PHD) akan memantau keseluruhan HS Pontian dan akan memasukkan dalam laporan pemantauan. 	<p>Auditor also has verified that HCVF of the Berus Mata Buaya, the annual monitoring has covered the whole HCVF site which covering an area of 195.0 ha. Record of the assessment for 2016 was available.</p> <p>Status: Closed</p>
Indicator 9.4.1	OFI	<p>During the inspection of the HCVF in the mangrove forest within the Pontian PRF, it was found that the annual monitoring only covered the plot where the Berus Mata Buaya was found and not the whole HCVF site covering an area of 195 ha.</p>	<ul style="list-style-type: none"> • PSN dengan kerjasama Pegawai Hutan Daerah (PHD) akan memantau keseluruhan HS Pontian dan akan memasukkan dalam laporan pemantauan. 	<p>Auditor also has verified that HCVF of the Berus Mata Buaya, the annual monitoring has covered the whole HCVF site which covering an area of 195.0 ha. Record of the assessment for 2016 was available.</p> <p>Status: Closed</p>