

## 1. INTRODUCTION

A new Conservation Area Management Plan (CAMP) for Forest Management Unit (FMU) 10, herein referred to as FMU10: CAMP Version 2 (FMU10: CAMP Ver. 2) was completed by the Management Planning Core Team (MPCT) as required under the mid term review in 2016. The said Second Revised CAMP is valid for a period of ten (10) years, from 2017 until 2026. A mid term review for the FMU10: CAMP Ver. 2 is set to be done by the MPCT by 2021. Major changes made under the FMU10: CAMP Ver. 2 are as follows:

- The four (4) Conservation Targets has been reduced to three (3) targets (Table 1).
- The previous seven (7) Management Zones were reduced to six (6) Zones (Table 2).
- The twelve (12) strategies under the the previous Annual Work Plan (AWP) in 2016 had been revised under the FMU10: CAMP Ver. 2 to only ten (10) relevant strategies (Table 3).

**Table 1: The Revised Conservation Targets and Goals under the FMU10: CAMP Ver. 2**

CONSERVATION TARGETS	CONSERVATION GOALS
Upland Mixed Dipterocarp Forest (UMDF)	Restoration of fire degraded and encroached areas with native species
	To ensure zero fire, encroachments, and poaching in the habitat
Summit Scrub (SS)	To ensure minimal Impact from active Eco-Tourism activities at the Summit from the three (3) Climbing Routes
Hornbills*	Determination of the group's distribution and identification of the dominant species

**\* Note:** All of the hornbills' species are listed as Protected Fauna in Schedule 2 under Section 25 (2) of the Wildlife Conservation Enactment 1997; however those birds could still be hunted though Licences issued by the Sabah Wildlife Department

Table 2: The Revised Management Zones in FMU 10 under the FMU10: CAMP Ver. 2

Item	Function
Zone 1:	Conservation Area covering all intact Upland Mixed Dipterocarp Forest (UMDF) and Lower Montane Forest (LMF) vegetations with an approximate area of 42,000 ha in the Nuluhon Trusmadi, all areas in both the Sg. Kiluyu and the Nuluhon Trusmadi (Extension) Forest Reserves
Zone 2:	Aquatic Protection Area that include all water bodies (rivers and streams) and their buffer zones. This zone may cover an approximate area of 4,000 ha
Zone 3:	Forest Restoration Area covering an approximate area of 22,000 ha of largely burnt and encroached areas
Zone 4:	Controlled Hunting Area that extends over some 6,000 ha in the Ulu Monsok and Ulu Rompon area.
Zone 5:	Eco tourism Area covering three (3) climbing routes to the peak of Mount Trus Madi. It may cover an estimated area of 1,000 ha
Zone 6:	Adventure Tourism Area operated by Borneo Jungle Area (BJG) under an Occupational Permit (OP) covering an area of 10.63 ha

Table 3: Responsibilities in Implementing the Revised Conservation Strategies for FMU 10:  
CAMP Ver.2

NO	CONSERVATION STRATEGIES	IMPLEMENTERS
1	BOUNDARIES DEMARCATION AND MAINTENANCE	K(FRM) Assisted by DFO Keningau, Tambunan and Ranau and all field staff
2	SURVEILLANCE AND MONITORING ACTIVITIES	DFO Keningau, Tambunan and Ranau assisted by Elrimieo Emin, Jafin Abu Bakar, Ricky Yolok and Haji Afifuddin Jadin, Marjjah Othman
3	FOREST RESTORATION	DFO Keningau assisted by Jafin Abu Bakar and Anuar Mohammad
4	MANAGEMENT OF ECO TOURISM ACTIVITIES	DFO Keningau and Tambunan assisted by Haji Afifuddin Jadin and Marjjah Othman
5	UPGRADING AND MAINTENANCE OF RELEVANT INFRASTRUCTURES AND WEBSITE	DFO Keningau, Tambunan and Ranau assisted by Jafin Abu Bakar, Awangku Effendy, Haji Afifuddin Jadin, Elrimieo Emin and ICT Divison of Headquarters, Sandakan
6	COMMUNITIES ENGAGEMENT	DFO Keningau and Tambunan assisted by Narbert Nasly, Jafin Abu Bakar, Awangku Effendy, Marjjah Othman, Clarice Alliu, Ricky Yolok and Haji Afifuddin Jadin
7	WILDLIFES SURVEYS IN ULU ROMPON AND ULU PANGAS	DFO Keningau assisted by Sabah Wildlife Department (Keningau) and Jafin A Bakar
8	SURVEY OF HORNBILLS	Alim Biun of Sabah Parks
9	CONSERVATION AWARENESS PROGRAMMES	DFO Keningau and Tambunan assisted by Marjjah Othman (Tambunan) and Clarice Alliu (Keningau) and Elrimieo Emin (Ranau)
10	MANAGING SCIENTIFIC STUDY	DFO Tambunan/Keningau/Ranau assisted by Haji Afifuddin Jadin, Marjjah Othman, Narbert Nasley, Elrimieo Emin, and Forest Research Centre

This AWP for FMU10 (Tambunan), is the tenth (10<sup>th</sup>) of such edition. Apart from describing the ten (10) strategies, the AWP will detail out the implementation schedules, the deployment of the required manpower, pooling system of field staf, budgets and equipments for all implementers both from the Sabah Forestry Department (SFD) and the other relevant Departmental partners in 2018. This AWP also details out the achievements in implementing the ten (10) strategies and actions done in 2017. As in the past, this AWP will be the guiding document for the field implementers and the MPCT in carrying out their respective duties and responsibilities in conserving and assessing the success or impact of the conservation efforts as prescribed under the approved CAMP Ver. 2 for FMU10.

## 2. FMU 10 (TAMBUNAN)

The FMU 10 is bordered by three (3) state administrative districts and a sub-district as well as three (3) forestry districts, namely, Tambunan on the west, Keningau on the south and east, and Ranau on the north. The original total area for FMU10 as of November 2016 was 75,601 ha. It was made up of the Nuluhon Trusmadi Forest Reserve (Class 1) with a size of 74,736 ha and the Sg. Kiluyu Forest Reserve (Class 1) measuring 1,065 ha. In late 2016, a new area with a total size of 12,241 ha known as the Nuluhon Trusmadi Forest Reserve Extension (Class 1) was added to the existing FMU10 area. This area was formerly under the FMU5 which was licensed to Anika Desiran Sdn Bhd. With the new addition, the total area for FMU 10 (Tambunan) is currently at 88,042 ha. The Keningau Forestry District administered a size of 47,772 ha of the FMU10 area; while the new area of 12,241 ha is under the Ranau Forestry District and the remaining 28,029 ha are within the Tambunan Forestry District's jurisdiction. Therefore, the FMU10 is currently managed jointly by the Distict Forest Officer (DFO) Keningau, Tambunan and Ranau.

### 2.1 Objectives

The initial objective of delineating the FMU 10 as a Forest Conservation Area to allow for the achievement of certain goals in conserving the conservation targets remains the same despite the reductions of the relevant targets, management zones and strategies under the FMU10: CAMP Ver. 2. The objectives for 2018 are set as follows:

- I) Non - destructive usage such as scientific biodiversity expedition, conservation awareness and small scale controlled/licenced flora and fauna collections in the Management Zone 1.
- II) Prohibition of any fishing, riverine or aquatic collections, except for scientific biodiversity expedition or conservation awareness purposes in Management Zone 2.
- III) Maintenance of the 160 ha of the rehabilitated areas and establishment of 50 Ha of new planting in the encroached and fire degraded areas with native species in Management Zone 3.
- IV) Construction and upgrading of necessary infrastructures such as roads, buildings, checkpoint, resting facilities and nursery in Management Zones 1, 3, 4, 5 and 6 that will allow for conservation, ecotourism including mountain climbing and surveillance activities to be conducted or enhanced.
- V) Physical demarcation of the remaining forest boundaries at Part C of the Nuluhon Trusmadi Forest Reserve as well as the maintenance of these boundaries including that in the Sungai Kiluyu Forest Reserve to ensure proper surveillance and prosecutions of offenders as prescribed under the Forest Enactment 1968 as well as the Wildlife Conservation Enactment 1997.
- VI) Allowing for limited non-conservation usage, namely Ecotourism, adventure tourism and mountain climbing in Management zones 5 and 6.
- VII) Compliance of the findings of the annual surveillance audit in 2018 for Forest Certification by FSC in all FMU10 areas.

### 3. OPERATIONAL STRUCTURE AND BUDGET

#### 3.1 Operational Responsibilities

The task to coordinate and facilitate the execution of this AWP is again entrusted to the Deputy Chief Conservator of Forests (Management), Rahim Sulaiman, as the Chief Implementer/Chairman for the MPCT for CAMP FMU 10.

The main field implementers of the CAMP in 2018 are the District Forestry Officers (DFO) of Tambunan, Keningau and Ranau. Apart from their respective assigned staff, they are also assisted by the other departmental implementers, namely, the Sabah Wildlife Department (SWD) Keningau office, the Sabah Parks (SP), the relevant research officers from FRC and professional foresters from the Sandakan Forestry Headquarters and the FMU10 Operational Office, Keningau. **Table (3)** summarises the assigned list of staff and their respective responsibilities to implement the strategies in 2018. **Figure 1** describes the Organisational Structure in implementing the CAMP Ver. 2 and the Annual Work Plan. Due to the mandatory retirement, there will be a reduction of two (2) members of the MPCT in 2018 (**Table 4**).

**Table 4: List of staffs to retire in 2018**

No	Name	Designation	Date of Retirement
1	Rahim Sulaiman	Pemelihara Hutan Q54	24 <sup>th</sup> December
2	Nicholas Batulik	Driver R03	23 <sup>rd</sup> September

##### 3.1.1 Existing Manpower under SFD

The total available manpower under SFD is thirty-seven (37) personnel. However, only twenty-nine (29) personnel are considered working fulltime in implementing the CAMP. The other eight (8) personnel are part time implementers of the CAMP. **Table 5** summarises the manpower involved in implementing the CAMP under SFD.

Figure 1: Organisational Structure for Implementing the Revised CAMP FMU10

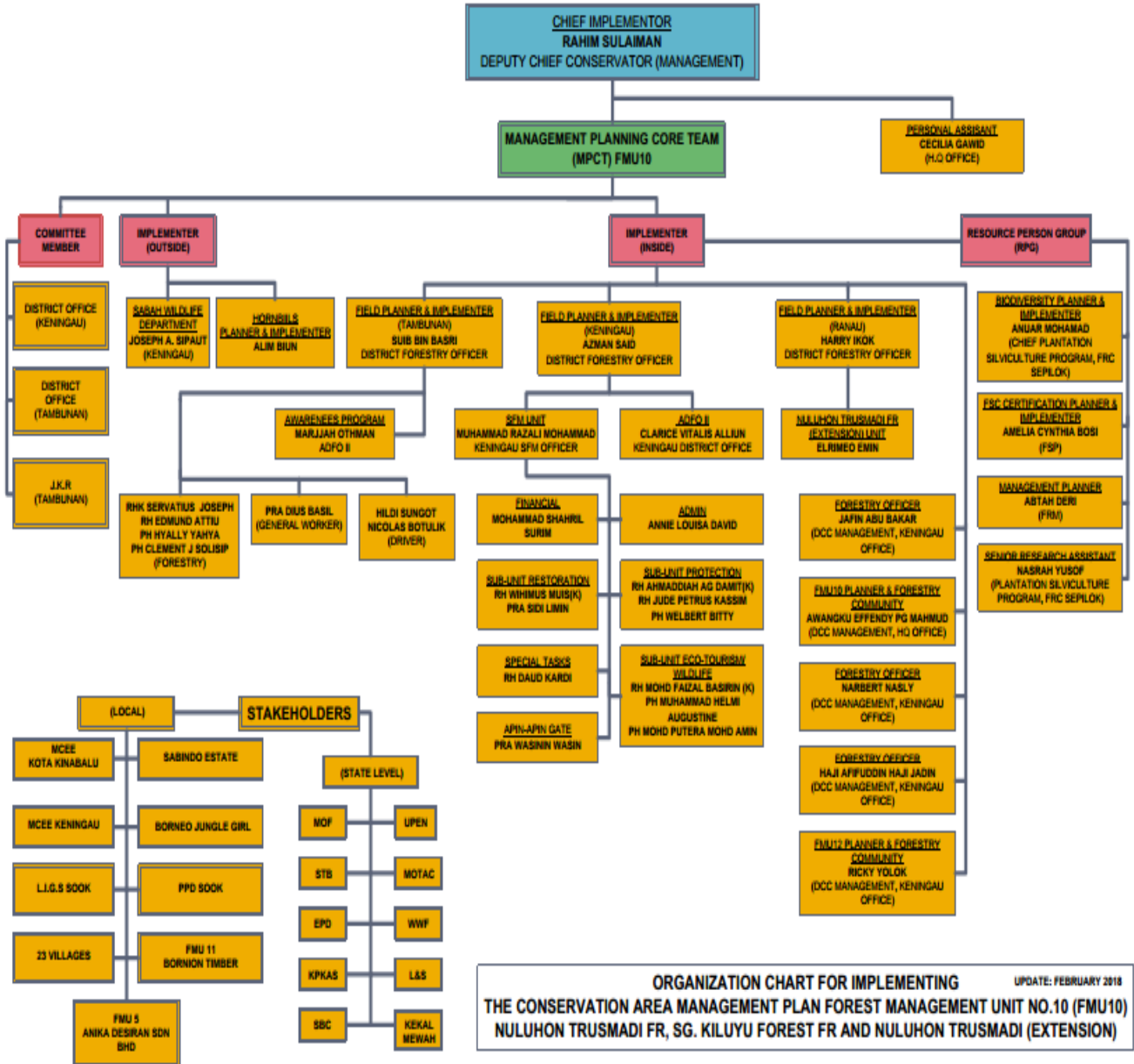


Table 5: Summary of SFD Manpower for the CAMP Operation in 2018

No	Designation	Personal	Grade	Status	Total
1	Deputy Chief Conservator of Forests (Management) - (DC) MGT	Rahim Sulaiman	Q54	P	1
2	Senior Research Officer (SRO)	Hj. Anuar Mohd	Q54	P	1
3	Assistant Conservator of Forests (ACF)	Azman Said* (DFO Keningau) Jafin A Bakar* (FMU10) Abtah Deri (FRM Officer)	G44	P	3
4	Assistant Conservator of Forests (ACF)	Agku Effendy Pg Mahmud* (FMU10) Narbert Nasly* (FMU10) M. Razali Muhammad* (SFMO Keningau)	G41	P	3
5	Pen. Pem. Hutan Kanan	Afifuddin Jadin* (FMU10) Clarice Vitalis Aliun (Keningau)	G32	P	2
6	Pen. Pem. Hutan Kanan	Suib Basri* (DFO Tambunan) Harry Ikok* (DFO Ranau) Amy Bosi (FSP) Marjjah Othman* (Tambunan) Ricky Yolok* (FMU10) Elrimeo Emin (Ranau)*	G29	P T	5 1
7	Renjer Hutan Kanan (RHK)	Servatius Joseph (Tambunan)	G22	P	1
8	Renjer Hutan (RH)	Wihimos Muis (Keningau)* Ahmahdiah Awg Damit (Keningau)* Jude Petrus Kassim (Keningau)* Daud Kardi (Keningau)* Faizal Bin Basirin (Keningau)* Edmund Attiu (Tambunan)*	G17	P	6
9	Pengawas Hutan	Hyally Yahya (Tambunan)* Clement James Solisip (Tambunan) Welbert Bitty (Keningau)* Muhd Hilmi Agustine (Keningau)* Mohd Putera Mohd Amin (Keningau)*	G11	P	5
10	Research Assistant	Nasrah Yusof	Q22	P	1
11	Perkeranian	Cecilia Gawid*	N22	P	2
	Perakaunan	Annie Louisa David* Sharil Surim*	W17		1
12	Driver	Hildi Sungot* (Tambunan) Nicholas Batulik* (Tambunan)	R3	P	2
13	PRA	Dius Basil (Tambunan)* Wasinin Wasi (Keningau)* Sidi Laimin (Keningau)*	R1	T	3
Note: P – Permanent Post T- Temporary Post		* - Working Full time on CAMP FMU 10 (29 personnel )		<b>TOTAL</b>	<b>37</b>



### 3.1.2 Manpower outside SFD

A total of five (5) personnel are available from the various government agencies (**Table 6**). The agencies involved are the Sabah Wildlife Department (SWD), Sabah Parks (SP) and the District Office Keningau and Tambunan. Most of these staffs however are not working fulltime in implementing the CAMP. Their involvements are only in the relevant strategies which require their respective expertise.

**Table 6: Summary of Manpower for the CAMP Operation provided by other MPCT Partners**

Agency	No of Personal	Total
Sabah Wildlife Department	1	1
Sabah Parks	1	1
District Office		
• Tambunan	1	1
• Keningau	1	1
<b>TOTAL</b>		<b>4</b>

### 3.1.3 Pooled Patrolling Squad

The current field staffs for FMU 10 is seventeen (17) personnel. However, the MPCT had decided to implement a “Field Staff Pooling” with those from the Sook Forestry District (5 Staff), the Nabawan Forestry District (4 staff) and the Ranau Forestry District not able to provide a man power. All three (3) forest areas are currently under the leadership of DCCF (Management) and all of them shared a common agenda of forest conservation.

The rationale for the staff pooling was to provide for sufficient manpower and expertise to both the Sook and Nabawan Forestry Districts in implementing their relevant strategies under the respective CAMPs. Provision for adequate funding was also a factor in the rationalisation of the pooling mechanism. **Table 7** describes the total numbers of field staff involved in the pooling. In addition, there are nine (9) staff specifically task to do forest nursery work from the Sook Forestry District that could be utilised in raising of seedlings and planting work for FMU10, Sook Lake and FMU12.

**Table 7: Lists of Pooled Field Staffs from FMU10, Sook Lake and FMU12**

No	Field Staff	Area of Control/ Jurisdiction	Forestry District
1	RH Wihimos Muis	Apin-Apin	Keningau
2	RH Ahmaddiah Ag Damit	Apin-Apin & Sinua	Keningau
3	RH Jude Petrus Kassim	Apin-Apin & Sinua	Keningau
4	RH Daud Kardi	Apin-Apin	Keningau
5	PH Welbert Bitty	Apin-Apin & Sinua	Keningau
6	RH Mohd Faizal Basirin	Apin-Apin & Sinua	Keningau
7	PH Muhammad Hilmi Augustine	Apin-Apin & Sinua	Keningau
8	PH Mohd Putera Mohd Amin	Apin-Apin & Sinua	Keningau
9	PRA Wasinin Wasin	Apin-Apin	Keningau
10	PRA Sidi Limin	Apin-Apin	Keningau
11	RHK Servatius Joseph	Kaingaran	Tambunan
12	RH Edmund Attiu	Kaingaran	Tambunan
13	PH Hyally Yahya	Kaingaran	Tambunan
14	PH Clement James Solisip	Kaingaran	Tambunan
15	PRA Dius Basil	Kaingaran	Tambunan
16	Driver Hildi Sungot	Kaingaran	Tambunan
17	Driver Nicholas Batulik	Kaingaran	Tambunan
18	RHK Johnny Raymond	Sook Lake	Sook
19	RH Richard Goumin	Sook Lake	Sook
20	RH Erati Ingkau	Sook Lake	Sook
21	PH Majilin Samad	Sook Lake	Sook
22	PH Julius Goidim	Sook Lake	Sook
23	RH Rahman Rahmat	Pamuntarian	Nabawan
24	RH Junaidi Hj Udut	Pensiangan	Nabawan
25	PH Maximus Lazarus	Pamuntarian	Nabawan
26	PH Eddie Anthonius Thomas	Pensiangan	Nabawan

#### 3.1.4 Existing vehicles under SFD

**Table 8** describes the existing fourteen (14) Motorised vehicles for the CAMP implementation, comprising of twelve (12) Motor Vehicles and two (2) Motorcycles. All are still in good running conditions.

**Table 8: Vehicles Available for use for CAMP FMU 10 in 2018**

Item	Vehicles	Unit	Registration Number	Utilisation Age (yr)	Assigned To
1	Toyota Fortuner	3	SAA 2008R SAA5139N SAA5140N	12 13 13	DD (MGT) DFO Keningau DFO Tambunan
2	Toyota Double Cab	9	SAB3930A SAB3927A SAB3934A SAB3937A SAB3924A SB3974B SB3965B SB6308B SB6309B	9 9 9 9 9 7 7 6 6	DFO Tambunan Office DFO Keningau Office DFO Tambunan Office DFO Tambunan Office DFO Tambunan Office FMU10 Operational Office FMU10 Operational Office DFO Keningau Office DFO Keningau Office
3	Motorcycle	2	SAB8661G SAB8659G	6 6	DFO Keningau Office DFO Keningau Office
	<b>Total</b>	<b>14</b>			

### 3.1.5 Maintenance Costs of Vehicles

The total estimated cost for vehicles maintenance is expected to be **RM 471,210** as indicated in **Table 9.1** and **Table 9.2** respectively. A sum of RM30,000 had been specifically set aside under the D11 Vote for fuels.

**Table 9.1: Estimated cost for Fuels and maintenance of the Fortuner vehicles**

No	Item	Frequencies/yr	Quantity Per vehicle	Unit of vehicle	Unit Cost (RM)	Total Cost (RM)
1	Diesel	300 working days	15 litres/day	3	2.50	33,750
2	General services	30,000 km/yr	5 services/yr	3	600/service	9,000
3	Tyres	2 tyre change/year	8 tyres/year	3	630/tyre	15,120
4	Miscellaneous parts and maintenance	as required	-	3	5,000.00	15,000
					<b>TOTAL</b>	<b>72,870</b>

**Table 9.2: Estimated cost for Fuels and maintenance of the Double Cab vehicles**

No	Item	Frequencies/yr	Quantity Per vehicle	Unit of vehicle	Unit Cost (RM)	Total Cost (RM)
1	Diesel	300 working days	30 litres/day	9	2.50	202,500
2	General services	50,000 km/yr	7 services/yr	9	600/service	37,800
3	Tyres	3 times change/year	12 tyres/year	9	630/tyre	68,040
4	Miscellaneous parts and maintenance	as required	-	9	10,000.00	90,000
					<b>TOTAL</b>	<b>398,340</b>

#### 4. BUDGET AND EXPENDITURE

Table 10 describes the budgets and their sources as well as the amount approved for CAMP FMU 10 in 2018. The total approved sum for CAMP FMU 10 is **RM 2,150,000.00**. Under the Rancangan Malaysia Ke 11 (RMK11), no funding was made available for any of FMU10's activities by the Federal government. The biggest fund for FMU10 was given by the Sabah State government under the RMK11 component. The others two funding were sourced from the Forest Rehabilitation Fund and Community Forestry Fund. All implementers are advised to manage the budget prudently, in view of the limited usage allowed under the various budgets. Payment of allowances to the other departmental partners as well as pooled patrolling squad in implementing their relevant strategies in 2018 will be done using the D11 budget.

**Table 10: Budget Available for CAMP FMU 10 in 2018**

Item	Budget Approved	Amount Available in Jan 2018 (RM)	Source of Fund
1	Restoration of TMFR, (RTMFR) 2016 K75	300,000.00	Community Forestry Fund (Award has been given to Sykt Jasa Muhibah in Nov 2017 by Headquarters)
2	Restoration of NTMFR, (RNTMFR) 2018 K75	350,000.00	Community Forestry Fund
3	Rehabilitation of Burnt Areas in FMU10 (RBAFMU10) D11	1,500,000.00	MoF (State)
	<b>TOTAL</b>	<b>2,150,000.00</b>	

## 5. FOREST CERTIFICATION

The FMU10 was issued with a Well Managed Forest Certification under the Certification Code: SCS- FM/ COC- 005062 and Trademark Licence Code: FSC-C 122511 in 2015 by the Forest Stewardship Council (FSC). The FSC Certificate is valid from **May 2015 to 10 May 2020**. This year the 3<sup>rd</sup> Annual Surveillance Audit of FMU10 is envisaged to be done by the third quarter of 2018. A total budget of **RM 35,000** is set aside for this purpose.

### 5.1 Progress In 2017

The 2<sup>nd</sup> Annual Surveillance Audit for the Well Managed Forest Certification under the Forest Stewardship Council (FSC) for FMU10 was done on the 21<sup>st</sup> August until the 25<sup>th</sup> August 2017. The SCS auditor of Dr. Yap Son Kheong used to visit two places of Apin-Apin Keningau area and Sinua, Sook for the field work assessment. During the audit, five (5) Minor Corrective Action Requested (CAR) and one (1) Observation determined under the 2016 audit, were subsequently closed. There are eleven (11) Minor CARs and one (1) Observation under the 2017 as a new audit finding has been given by the SCS auditor.

### 5.2 Activities In 2018

The MPCT for FMU10 decided on the eleven (11) Minor CARs and one (1) Observation under the 2017 audit finding need to be closed by June 2018. The task is given to Mr Azman Said, the DFO Keningau assisted by Afifuddin Jadin, Narbert Nasly, Amy Bosi, Jafin Bakar, Awangku Effendy Pg Mahmud, Marjjah Othman and Ricky Yolok. **Appendix 1** describes the major findings and actions done in 2017 and to be done by the MPCT in 2018.

## 6. STRATEGIES FOR IMPLEMENTATION

Under the FMU10: CAMP Ver. 2, the strategies for implementation were only ten (10) strategies. A summary of the Strategies and strategic actions for implementation and their respective expenditures in 2018 and monitoring activities for the Revised Conservation Targets are appended in this AWP as **Appendix 2** and **Appendix 3** respectively, as guides for the field Implementers.

The details of each strategy are as follows:

### 6.1 Strategy 1: Boundary Demarcation and Maintenance

#### 6.1.1 Nuluhon Trusmadi Forest Reserve Progress In 2017

In early 2012 the boundaries survey was contracted out to Jurukur Swasta for Part C of the Nuluhon Trusmadi Forest Reserve covering a total distance of 35,500 m. Due to some unavoidable circumstances in 2013, only a total distance of 17,803 m of the boundaries survey was completed. The MPCT also suggested that K (FRM) terminates the contract awarded earlier. While waiting for the appointment of a new surveyor, the MPCT also suggested that the unfinished survey (17,697 m) of Part C of Nuluhon Trusmadi be done by Alex Phan and other able staff from K (FRM). The SFD survey team manage to complete a total distance of 7,900 m in November 2016. Lately the remaining un-surveyed distance of 9,797 meters was completed on the 20<sup>th</sup> July 2017. This task was headed by Mr. Colin Benjamin from the Forest Resource Management (FRM) Division, Sandakan and he has assisted by nine (9) forestry staff from the Keningau Region. Since this is contentious issue under the MPCT decided that the task given to the FRM Division for the survey map endorsement done by the Land and Survey Department.

#### 6.1.2 Activities in 2018

Maintenance of the boundaries would likely be contracted out in 2018 (**Table 11**). RH Ahmadiyah A. Damit, RH Daud Kardi and PH Mohd. Helmi Agustine will oversee the maintenance of these boundaries. The estimated boundary survey and maintenance cost of RM 80,000 will be procured from the D11 budget.

Table 11: Schedule of Boundary Maintenance in 2018

No	Schedule in 2018	Frequency	Location	Distance
1	April - June	1 X	Part B	18 km
2	July - September	1 X	Part A	10 km
	<b>TOTAL</b>	<b>2 X</b>		

#### 6.1.3 Sungai Kiluyu Forest Reserve

The establishment of the required 5 meter width at some lengths of the surveyed boundary as far as MPCT concerned nothing has change since last MPCT Meeting. Therefore, the FRM is required to do relevant follow up with the Land and Survey Department by April 2018. The MPCT feared this issue unresolved during the next surveillance audit could be as major CAR.

#### 6.1.4 Nuluhon Trusmadi Forest Reserve (Extension)

A fund for boundary surveys of Nuluhon Trusmadi Forest Reserve (Extension) is approximately 70 kilometers has been applied from the Heart of Borneo (HoB) Fund in 2017. It is envisaged that the cost of the survey would incur a sum of RM 342,750 (estimated at a rate of RM 5 per meters). Unfortunately surveying of this area was not done in 2018 due to the inavailability of budget.

### 6.2 Strategy 2: Surveillance and Monitoring Activities

This strategy is entrusted to Marjjah in Tambunan, Jafin A. Bakar for the Apin – Apin area, Hj Afifuddin Jadin for the Sinua area and Elrimieo Emin for the Ranau area. Pooled Field staff would be doing the ground patrolling. Under the CAMP Ver.2 the MPCT has introduced the **Borang Pemantauan FMU10 - 01** to be used to record and logged all ground patrols and aerial surveillances.

### 6.2.1 Progress in 2017

**Table 12** describes schedule of ground monitoring was done by field staff of Keningau Forestry District in 2017. There were thirty-seven (37) times of ground monitoring frequencies had been carried out via various location at the Apin-Apin Keningau, Sook area and Kaingaran Tambunan. As of the month of January and February 2017, two (2) cases of encroachment were apprehended and put under control by the Keningau Forestry District. Ground monitoring only once done in month of February due to task given to the Keningau staf for data collection on illegal encroachment at the Jalan Kimanis to Kota Kinabalu area. Meanwhile monitoring could not be done actively on months April, May, June and July by staff Keningau and Tambunan due to their tasked to complete demarcation of boundary on the ground for Part C of Nuluhon Trusmadi Forest Reserve (Nandagan to Sinua area). Two (2) aerial surveillance excercises were done in the 2<sup>nd</sup> Quarter and the 3<sup>rd</sup> Quarter of 2017.

**Table 12: Schedule of the Ground Monitoring in 2017**

<b>No</b>	<b>Schedule in 2017</b>	<b>Frequency</b>
1	January	6 X
2	February	1 X
3	March	5 X
4	April	1 X
5	May	2 X
6	June	2 X
7	July	2 X
8	August	4 X
9	September	3 X
10	October	3 X
11	November	7 X
12	December	1 X
	<b>TOTAL</b>	<b>37 X</b>



## 6.2.2 Activities in 2018

Aerial Surveillance activities will be carried out four (4) times a year (**Table 13**). Mr Injksin Hj Usip of MCEE Keningau will lead the aerial surveillance and he will be assisted by RH Ahmadiyah A. Damit of Keningau Forestry District. Ground patrol will continue to be done by the relevant pooled field staff. A total cost of RM 240,000 is estimated to be spent on the surveillance activities including payment of allowances in 2018.

**Table 13: Schedule of the Aerial Surveillance in 2018**

<b>Item</b>	<b>Quarter of 2018</b>	<b>Frequency</b>
1	January - Mac	1 X
2	April - June	1 X
3	July - September	1 X
4	October - December	1 X
	<b>TOTAL</b>	<b>4 X</b>

### 6.2.2.1 *The Pooled Patrolling Schedules*

There were only two (2) Forestry Districts of Keningau and Tambunan managed to pool the strength of the field staff for the surveillance activities in 2017. A total of five (5) personnels and two (2) days for this activity was done in the Kaingaran, Tambunan and Ulu Pangas, Keningau area. Due to the heavy workload in implementing the Forestry District office works as well as relevant staff in Sook, Nabawan and Ranau, unfortunately no pooled patrolling for the surveillance activities was done.

**Table 14** describes the pooled patrolling in accordance to Man-day spend for the surveillance activities in 2018. A total of twenty-two (22) of selected field staff from all those Forestry District Office will be conducting surveillance activities in an estimated duration for twelve (12) days. The field supervisors as assigned earlier will do the necessary action in accordance to the agreed tasks as described under Table 13.

Table 14: Pooled Patrolling Schedules in accordance to Man-day spend for the Surveillance Activities in 2018

From Forestry District Office	To Forestry District Office					
		Keningau	Tambunan	Ranau	Sook	Nabawan
Keningau	X	3 - 1	3 - 2	-	3 - 1	9 - 4
Tambunan	2 - 1	X	-	-	-	2 - 1
Ranau	-	4 - 2	X	-	-	2 - 2
Sook	-	4 - 4	-	X	2 - 1	6 - 5
Nabawan	-	4 - 4	-	2 - 1	X	6 - 5
Total Man-days						22 - 12

### 6.3 Strategy 3: Forest Restoration

This strategy is headed by both DC (MGT) Rahim Sulaiman and the DFO of Keningau. They will be assisted by Jafin Abu Bakar. Due to the limited budget, no new planting was done in 2017. Only the maintenance of the planted areas done at Compartment R13A, R13B, 19B and R20 in Apin-Apin Keningau (300 ha).

#### 6.3.1 Activities In 2018

The allocation approved by the Ministry Of Finance (MoF) for this strategy is RM1.5 million in 2018. The MPCT decided to carry out of maintenance of earlier plantings in 2009 and 2010 for about 160 Ha of planted area. The total cost of **RM 295,655.20** is envisaged to be spent for planting maintenance work by the appointed contractor. Award has been given to the Syarikat Jasa Muhibbah in 2017 by the Headquarters Sandakan (Table 15). PH Wihimos Mius is given the task to monitor these works.

Table 15: Maintenance Schedules for 160 Ha the Planted Areas in FMU 10 in 2018

No	Activities	Month											
		1	2	3	4	5	6	7	8	9	10	11	12
1	Supply seedlings	X	X	X									
2	Replanting activities			X	X	X	X	X					
3	Maintenance and fertilizing (3 times a year)				X				X				X
4	Road maintenance			X	X	X	X						

The MPCT decided to restore the burnt area of Sungai Atug with new planting of 20 ha in 2018. A total amount of **RM 128,000.00** is estimated to be spent for this activities (Table 16). There are six (6) major components for rehabilitation activities in FMU 10 to be carry out in 2018 (Table 17). All the work will be contracted out by early April.

Table 16: Estimated Expenditure for the New Planting of 20 ha at Sungai Atug Sook in 2018

No	Activity	RTM Fund Estimated cost (RM)
1	Supply seedlings @RM7.00 x 6,000 seedlings	42,000.00
2	Site preparation & planting @RM1,500.00/ha	30,000.00
3	Maintenance & fertilizing @ RM350/ha x 4 times/yr	56,000.00
	<b>TOTAL</b>	<b>128,000.00</b>

**Table 17: Estimated Expenditure for the 1,160 ha Planted Areas and other Strategies Implementation in 2018 (RBA FMU10)**

No	Activity	D11 Fund (RBA) Estimated cost (RM)
<b>1</b>	<b>Planting Operation including Road maintenance</b>	<b>400,000.00</b>
1.1	Planting Road Maintenance	400,000.00
<b>2</b>	<b>Maintenance of Planted Areas</b>	<b>690,000.00</b>
2.1	Allowances (Field staff)	350,000.00
<b>3</b>	<b>Nursery Maintenance and others</b>	<b>50,000.00</b>
3.1	Nursery Maintenance and others	50,000.00
<b>4</b>	<b>Boundary Maintenance and other Equipments</b>	<b>160,000.00</b>
4.1	Boundary Maintenance	30,000.00
4.2	ICT Maintenance including Toners	40,000.00
4.3	Safety Equipments	20,000.00
<b>5</b>	<b>Cost of Certification and Implementation of the other Strategies</b>	<b>150,000.00</b>
5.1	Surveillance Audit FSC	35,000.00
5.2	Awareness Program	100,000.00
5.3	Trainings	26,000.00
5.4	Vehicles maintenance	150,000.00
5.5	Keningau (Relevant Infrastructure maintenance)	139,000.00
5.6	Tambunan (Relevant Infrastructure maintenance)	130,000.00
5.7	POL	30,000.00
<b>6</b>	<b>Aerial Survey And Mapping</b>	<b>50,000.00</b>
6.1	Aerial Survey's cost	-
	<b>TOTAL</b>	<b>1,500,000.00</b>

#### 6.3.2 Monitoring of the Permanent Sample Plots (PSPs)

A total of three (3) of yield plots were established by FRC in October 2010 and another one (1) of new yield plot in July 2013. There was no measurement work in 2017 after the latest PSPs assessment done in August 2016. FRC will continue to measure these yield plots in FMU10 as part of strategic actions by July 2018. A total cost of RM 8,000.00 is envisaged to be spent for this activities.

#### 6.4 Strategy 4: Management of Eco Tourism Activities

The main objective of this strategy is to manage the visitation to Mount Trusmadi through the three (3) climbing routes available, namely, the Wayaan Kaingaran in Tambunan, Wayaan Mastan in Apin – Apin Keningau and Wayaan Mannan in Sinua, Sook.

#### 6.4.1 Progress In 2017

A total of 1,566 climbers or visitors went in to Nuluhon Trusmadi Forest Reserve, either hiking up the Mount Trusmadi, through the three (3) Wayaans (Trails) or just visiting the BJJ CAMP facilities in 2017 (**Table 18**). Local Sabahans and other Malaysians, totaling 1,149 people, made up the largest number of visitors for the year for all of the wayaans and facilities. A total of 417 visitors was recorded for the foreign tourists. Wayaan Mannan was the most popular of the three routes with a total visitors of 735. The total revenue collected from these visitations was **RM 153,290.00**.

**Table 18: Visitors to Mount Trusmadi via the various Wayaans/Facilities in 2017**

Visitors	Local					Foreign					Total Visitors for the Month and For all Wayaans and BJJ				
	Wayaan	Kaingaran	Mastan	Mannan	BJG	TOTAL	Kaingaran	Mastan	Mannan	BJG	TOTAL	Kaingaran	Mastan	Mannan	BJG
January	44	0	50	0	94	0	0	0	0	0	44	0	50	0	94
February	49	0	88	0	137	7	0	36	50	93	56	0	124	50	230
March	86	8	130	0	224	10	0	25	4	39	96	8	155	4	263
April	86	0	26	0	112	18	0	29	40	87	104	0	55	40	199
May	40	11	98	0	149	3	0	0	29	32	43	11	98	29	181
June	19	0	0	0	19	3	0	0	14	17	22	0	0	14	36
July	45	0	56	0	101	7	0	13	26	46	52	0	69	26	147
August	27	15	38	0	80	12	0	12	52	76	39	15	50	52	156
September	37	0	67	7	111	2	0	17	6	25	39	0	84	13	136
October	42	0	0	1	43	1	0	0	0	1	43	0	0	1	44
November	0	18	50	0	68	0	0	0	0	0	0	18	50	0	68
December	0	11	0	0	11	0	1	0	0	1	0	12	0	0	12
<b>TOTAL</b>	<b>475</b>	<b>63</b>	<b>603</b>	<b>8</b>	<b>1,149</b>	<b>63</b>	<b>1</b>	<b>132</b>	<b>221</b>	<b>417</b>	<b>538</b>	<b>64</b>	<b>735</b>	<b>229</b>	<b>1,566</b>

#### 6.4.2 Activities in 2018

The other major activities in 2018 are as follows:

- SFD will continue to train the relevant local communities around FMU10 to be Tourist guides.
- To ensure the trained local guides and porters are employed accordingly and the SOP for SAR in Mount Trusmadi is fully complied.

#### 6.5 Strategy 5: Upgrading and Maintenance of Relevant Infrastructures and Website

Implementation of this strategy was shouldered jointly by Jafin A. Bakar and Afifuddin Jadin, Elrimeo Emin and Marjjah Othman. The task of managing and updating the FMU10 Conservation Area website was entrusted to Narbert Nasly and he will be assisted by Azman Othman of Head, ICT Division.

##### 6.5.1 Progress in 2017

A total sum of RM 485,700.00 was spent in various upgrading and maintenance of relevant infrastructures in FMU10 in 2017. These were road maintenance (Jalan Ali Hassan 26 KM), procurement of one (1) unit Genset (10 KVA) for the Walai FMU10 and maintenance of the 21 KM access road to the planted areas done in Apin-Apin Keningau.

##### 6.5.2 Activities in 2018

The budget expenditure for 2018 will be required of a total sum of **RM 269,000.00** to implement this strategy. All the work will be contracted out by early April. **Table 19** describes the related activities planned for 2018.

**Table 19: List of Upgrading and Maintenance Activities in FMU 10 In 2018**

Item	Activities	Location	Month											
			1	2	3	4	5	6	7	8	9	10	11	12
1	Maintenance of the Ali Hassan gravelled road in Apin-Apin (23 KM)	Keningau				X	X	X	X	X				
2	Maintenance of the 2.4 KM boardwalk at Wayaan Kaingaran	Tambunan			X	X	X	X						
3	Maintenance of the H.S Martyn gravelled road (1 KM)	Tambunan				X	X	X						
4	Upgrading of the main entrance (gate) at Wayaan Kaingaran Checking Station	Tambunan				X	X	X						

#### **6.6 Strategy 6: Communities Engagement**

The MPCT has decided for DC (MGT) will be heading the Communities Engagement committee as and when there is a need to meet-up or every quarterly (Table 20 ). This strategy is entrusted to Awangku Effendy Pg Mahmud, with the assistance from Jafin A. Bakar, Clarice VA, Ricky Yolok, Afifuddin Jadin, marjjah, Elrimeo and the SFM Division.

**Table 20: Composition of the Communities Engagement Committee for FMU10**

No	Personal	Responsibility
1	DD (MGT) Rahim Sulaiman	Chairman
2	FMU10 Officer Narbert Nasly	Secretary
3	DFO Keningau Azman Said	Member
4	DFO Tambunan Suib Basri	Member
5	FMU10 Officer Awangku Effendy Pg Mahmud	Member
6	FMU10 Officer Jafin A. Bakar	Member

### 6.6.1 Progress in 2017

The Landuse Consultation in The Nuluhon Trusmadi Forest Reserve a day programme with all of the relevant encroachers was held at the Multipurpose Hall of The Keningau Sport Complex in 18<sup>th</sup> July 2017. The consultation objective is to formulate the final recommendations to Chief Conservator of Forests based on the circular stated that all encroachments done prior to 17<sup>th</sup> August 1998, will be reviewed with the intension to revise the Cabinet's decision under JKM/PHB (SO 700-1/0/1). This activity headed by DC (Management) with assisted by seventy (70) officers and staff from the District Forestry Offices in all Keningau Region and Keningau MCEE Office. A total of 401 encroachers from sixteen (16) Kampung were invited to the program. Based on the FMU 10 data recorded that they were estimated a total of 2,047 ha had been encroached in the Nuluhon Trusmadi Forest Reserve. A total of 268 encroachers (1,311 ha) before the timeline of 1998 and a total of 133 encroachers (736 Ha) after the timeline 1998.

Unfortunately, out of 401 invited encroachers only a total of 306 encroachers had willing to attend into the program which a total of 208 participants (before the timeline of 1998) and a total of 98 participants (after the timeline of 1998). During the stakeholders consultation talks are given to all participants by DC (Management) regarding on the Cabinet's directive history and encroachment activities declaration via "**Borang Perakuan Menceroboh Hutan Simpan Nuluhon Trusmadi**".

At the end of consultation that participants had been asked for agreeability on their recorded of encroachment activities and sign up the particular form. A total of 37 participants out of 306 attended participants were agreed and a total of 159 participants do not agreed for the encroachment activities declaration. A total of 110 participants remain to be silence. In the conclusion a total of 160 participants sign up the form and a total 145 participants were not provide their signature. Only one (1) participants fail to turn up until the program ends.



### 6.6.2 Activities in 2018

Under this strategy the activities of community engagement in 2018 are as follows:-

- Develop Recommendation in managing Encroachments as Cabinet's directive and Implement decision after stakeholders consultation. Final report by end of April 2018
- Communities Meetings and Monitoring of HCV 5 Area and other activities including trainings (Table 21).

Table 21: Schedule of the Communities Meetings for FMU10 in 2018

No	Location	Month											
		1	2	3	4	5	6	7	8	9	10	11	12
1	Keningau			X				X					
2	Sook			X				X					
3	Tambunan			X				X					

### 6.7 Strategy 7: Wildlifes Surveys in Ulu Rompon and Ulu Pangas

This strategy was given to RH Faizal Basirin. He will be assisted by PH Welbert Bitty and PH Mohd Putera Mohd Amin. The site for this activity is located at KM 18 Jalan Ali Hasan, Ulu Pangas, Keningau.

#### 6.7.1 Progress in 2017

Table 22: Lists of Wildlife Species Identified (Opportunistic Sighting) in The Nuluhon Trusmadi Forest Reserve in 2017

No	Wildlife Species Identified	
	Sighting by Morning Drive	Images from Camera Trap
1	Muntiacus hermaphroditus (Kijang)	Muntiacus hermaphroditus (Kijang)
2	Viverra zangalla (Musang Tenggalung)	Viverra zangalla (Musang Tenggalung)
3	Sus barbatus (Babi hutan)	Sus barbatus (Babi hutan)
4	Tragulus napu (Pelanduk)	Tragulus napu (Pelanduk)
5	Macaca fascicularis (Kera)	Macaca fascicularis (Kera)
6	Cervus unicolor (Payau)	Cervus unicolor (Payau)
7	Scuridae (Tupai)	Helarctos malayanus (Beruang madu)
8	Haliastur (Helang)	Arctictis binturong (Binturong)
9	Histrix bhracyura (Landak)	
10	Prionodon linsang (Banded Linsang)	

Table 23: Lists of Wildlife Identified per Individual via Morning Drive Sighting by Species

Species	Count
Muntiacus hermaphroditus (Kijang)	8
Viverra zangalla (Musang Tenggalung)	1
Sus barbatus (Babi hutan)	7
Tragulus kanchil (Pelanduk)	2
Macaca fascicularis (Kera)	1
Rusa unicolor (Payau)	4
Scuridae (Tupai)	1
Haliastur (Helang)	1
<b>Total</b>	<b>25</b>

### 6.7.2 Activities in 2018

The roadside wildlife's monthly observations and the Camera Trappings' sightings would be continued in 2018 (Table 24). All data and photographs would be compiled and the lists of wildlife's to be tabulated and analysed by Faizal Basirin accordingly. A quarterly report will be presented to the MPCT for FMU10.

**Table 24: Wildlife's Surveys in FMU10 in 2018**

Item	Activity	Action	Month												
			1	2	3	4	5	6	7	8	9	10	11	12	
1	Roadside Wildlife's Observations and Camera Trappings' Sighting activities	Faizal Basirin	X	X	X	X	X	X	X	X	X	X	X	X	X
2	Analysis and Quarterly reporting to MPCT FMU10	Faizal Basirin			X			X			X				X

## 6.8 Strategy 8: Survey of Hornbills

### 6.8.1 Progress in 2017

Due to the heavy workload of Alim biun of Sabah Parks, unfortunately no activity was done in 2017.

### 6.8.2 Activities for 2018

The field inventory activities would be conducted every quarterly. Data analysis and Report writing would be done after the completion the inventory towards the end of the year (Table 25). A total cost of RM 5,000 is estimated to be spent on this activity including payment of allowances in 2018.

Table 25: Schedule of field work of the Hornbill Inventory in 2018

Action	March	April	June	Aug
Field Inventory	1 st – 6 th	25 th – 31st	25 th– 31st	25 th– 31st
Analyzing data and report writing	After every field work conducted			

## 6.9 Strategy 9: Conservation Awareness Programmes

The objective of the Awareness Programme was to provide information and to educate the general public of Tambunan, Keningau and Ranau on the importance of conserving forested areas and general biodiversity. The task was headed by Clarice V. Allion for the Keningau Forestry District, Marjjah Othman for the Tambunan Forestry District and Elrimieo Emin of the Ranau Forestry District.

### 6.9.1 Conservation Awareness Program In 2017

A total of six (6) Kampongs were selected for the awareness programme (Table 26). A total of 431 people participated in the programs, including talks regarding the management of FMU10, ecotourism activities and wildlife protection given by Sabah Wildlife Department officer. Each of these programs culminated with a tree plantings at the vicinity of the balai rayas respectively by the participants.

**Table 26: Awareness Programmes done for FMU10 in 2017**

Kampung	District	Date of Program	Participants	Types of Awareness Involvement
Kg. Ulu Pangas	Keningau	27.09.2017	83	Talks on FMU10 conservation work, wildlife protection, poster exhibition and tree planting activities
Kg. Sodomon & Kg. Mailo	Keningau	08.11.2017	178	
Kg Manggarimot	Sook	08.10.2017	97	
Monsokito/Kaingaran	Tambunan	18.12.2017	73	
		<b>Total Participants</b>	<b>431</b>	

### 6.9.2 Activities In 2018

This strategy is to be implemented by Clarice V. Allion for Keningau and Sook District as well as Marjiah Othman for Tambunan. In 2018 a total of Six (6) Kampung were selected for awareness programme (Table 27) and a total cost of RM 100,000.00 is estimated for this activity.

**Table 27: Lists of Activities for Awareness Programme in 2018**

Item	Name of Kampung	District	Month											
			1	2	3	4	5	6	7	8	9	10	11	12
1	Marasak	Keningau						X						
2	Panui	Keningau							X					
3	Lalapakon	Sook									X			
4	Seselungan	Sook										X		
5	Pononoburan	Tambunan					X							
6	Ulu Monsok	Tambunan								X				

### 6.10 Strategy 10: Managing Scientific Study

#### 6.10.1 Progress in 2017

Table 28 describes a number of researchers from the Universiti Malaysia Sabah were approved by the Chief Conservator to carry out research activities in the FMU10 area in 2017.

**Table 28: The Lists of Researchers and Research Activities in FMU10 in 2017**

Item	Date	Institution	Researchers	Research Focus
1	November 2016 – November 2018	Institute for Tropical Biology and Conservation Universiti Malaysia Sabah,	Foo She Fui	Edible and Poisonous Wild Mushrooms: Germplasm for Sustainable Use and Conservation in Sabah
2	November 2016 – November 2017	Institute for Tropical Biology and Conservation Universiti Malaysia Sabah,	Lee Yee Jun; Woo Siew Yin; Lim Yee Kei; and Arivissa Arif	Edible and Poisonous Wild Mushrooms: Germplasm for Sustainable Use and Conservation in Sabah
3	November 2016 – October 2017	Institute for Tropical Biology and Conservation Universiti Malaysia Sabah,	Ms. Naazira binti Awang Ismail	Kepelbagaian Lumut Jati Epifit Mengikut Kecerunan Altitud di Denai Kaingaran, Gunung Trus Madi

#### 6.10.2 Activities 2018

The aim of this strategy under CAMP Ver.2 is to monitor the approved research by CCF and to be reported quarterly by DFO and summarised in the FMU10 website. A cost of RM 5,000 is estimated for this activity. All researchers highlighted under **Table 28** will be reminded to submit their work to the MPCT as soon as possible. Affuddin Jadin is given the responsibility to compile the papers by June 2018. Tentatively a plan to execute scientific expeditions in the Nuluhon Trusmadi Forest Reserve (Extension) for the Ranau area would not be conducted in 2018.

## 7. CONCLUSION

**Appendix 1: The List of Corrective Action Request (CAR) and Observations from the 2<sup>nd</sup> Annual Surveillance Audits of FMU10 in 2017 that are closed or need to be closed for the Forest Management Certification Initiative in 2018**

NO	FSC INDICATOR	MINOR CAR	ACTION	REMARKS
1	3.2	The FME shall request authorization from SCS to use the FSC on-product labels and/or FSC trademarks for promotional use. Records of SCS and/or FSC trademark use authorizations shall be made available upon request.	Hj Afiffudin Jadin	Closed
2	3.3.5	Forest managers would have to provide more training to their staff and workers on identification and protection of sites of importance to local communities and the process could be improved with greater participation of local communities.	Jafin AB, Clarice Allion, Ricky Yolok	Closed
3	6.2.8	Conservation zones and protection areas (including HCV sites) shall be duly delineated, appropriately managed and recorded on maps of appropriate scale.	DFO Keningau and Awangku Effendy	Closed
4	7.1.5	The management plan (CAMP 2013-2022) would have to include a provision for regular updates or a mid-term review.	DC(MGT), Jafin AB, Hj Afiffuddin and Awgku Effendy	Closed
5	7.3.5	The understanding of the management plan of the field staff of the FMU including the workers of eco-tourism operators could be enhanced through refresher briefings.	Jafin AB, Hj Afiffuddin and Awgku Effendy	Closed
6	7.4.4	The publicly available summary in the web page shall be updated and all data verified.	DFO Keningau, Jafin AB, Hj. Afiffuddin and Afendy Suraip	Closed

**Appendix 1: The List of Corrective Action Request (CAR) and Observations from the 2<sup>nd</sup> Annual Surveillance Audits of FMU10 in 2017 that are closed or need to be closed for the Forest Management Certification Initiative in 2018 (continuation)**

NO	FSC INDICATOR	MINOR CAR	ACTION	REMARKS
7	1.5.1	An express policy statement on protection of FMU area from illegal harvesting, settlement and other unauthorized activities shall be written in the forest management plan.		
8	1.6.1	A statement on the commitment to FSC Principles and Criteria shall be written in <i>The Forest Management Unit 10 (FMU): Tambunan Conservation Area Management Plan (CAMP) Version 2 01.01.2017 to 31.12.2026</i> .		
9	3.3.2	The forest management plan shall include an express written policy for the identification and protection of sites with potential special cultural, ecological, economic or religious significance to local communities.		
10	4.1.1	An express provision demonstrating a commitment to hiring and contracting locally shall be presented in the management plan.		
11	4.2.1	Safety and Health Committee meetings shall be conducted as specified under Department of Safety and Health specification.		
12	4.2.6	Safety records maintained by the forest managers shall include that of the contractors involved with silvicultural treatment and rehabilitation of degraded areas.		
13	4.3.3	Procedures shall be clearly written with specific mechanism for the process of resolution of grievances for staff/stakeholders/communities.		
14	4.4.1	The revised management plan shall include the updated data collected from the field investigation conducted and the updated SIA.		
15	4.5.3	A documented process on fair compensation in the case of loss or damage affecting legal customary rights, property, resources or livelihoods of local people shall be prepared.		



**Appendix 1: The List of Corrective Action Request (CAR) and Observations from the 2<sup>nd</sup> Annual Surveillance Audits of FMU10 in 2017 that are closed or need to be closed for the Forest Management Certification Initiative in 2018 (continuation)**

NO	FSC INDICATOR	MINOR CAR	ACTION	REMARKS
16	6.6.1	A list of chemical pesticides, the quantity used and the area of application shall be maintained.		
17	9.2.2	Pertinent stakeholders consulted shall include relevant social NGOs and research agencies.		
NO	FSC INDICATOR	OBSERVATION	ACTION	REMARKS
1	2.3.2	The SOP on <i>Procedures- Communication Dispute</i> could be improved with addition of the procedures that had been initiated by the FMU for resolution. The SOP could be clearly written with specific mechanism for the process of resolution of grievances or disputes over tenure claims and use rights.		

Appendix 2: Summary of the Conservation Strategies and Strategic Actions to be implemented in 2018 for CAMP FMU 10

No	Strategy	Strategic actions	Expenditure (RM)	1	2	3	4	5	6	7	8	9	10	11	12	
1	<b>Boundaries Demarcation And Maintenance</b>	1. Boundary demarcation for part C of Nuluhon Trus Madi Forest Reserve (Last 9,797 m) and Sg Kiluyu Forest Reserve (19,900 m) by SFD Staff	Allowances * 150,000			X	X	X	X	X	X	X	X	X	X	
		2. Boundary demarcation for Extension area	-													
		3. Boundary maintenance	80,000				X	X	X	X	X	X	X	X	X	X
2	<b>Surveillance And Monitoring Activities</b>	4. Ground Patrol	320,000 Allowances *	X	X	X	X	X	X	X	X	X	X	X	X	
		5. Aerial Surveillance	12,000			X			X			X				X
3	<b>Forest Restoration</b>	6. Rehabilitation of Degraded Areas including planting roads maintenance, constructions and Yield Plots reporting and updating	600,000				X	X	X	X	X	X	X	X	X	
4	<b>Management of Eco Tourism Activities</b>	7. Management of climbing activities (including trainings) to Mt Trus Madi Through Wayaan Kaingaran, Apin-Apin and Sinua	80,000				X	X	X	X	X	X	X			
		8. Quarterly Reporting and updating of <i>N X trusmadiensis</i> plots (HCV1.3) at summit	8,000			X	X	X	X	X	X	X				
5	<b>Upgrading And Maintenance Of Relevant Infrastructures And Website</b>	9. Upgrading and Maintenance of Facilities For Wayaan Tambunan, Apin-Apin and Sinua and other Infrastructures	200,000		X	X	X	X	X	X	X	X	X	X	X	
		10. Upgrading of ICT Equipments, trainings and Website maintenance	60,000					X			X			X		

Appendix 2: Summary of the Conservation Strategies and Strategic Actions to be implemented in 2018 for CAMP\_FMU 10(continuation)

No	Strategy	Strategic actions	Expenditure (RM)	1	2	3	4	5	6	7	8	9	10	11	12
6	<b>Communities Engagement</b>	11. Develop Recommendation in managing Encroachments as Cabinet's directive and Implement decision after stakeholders consultation	-							X	X	X	X		
		12. Communities Meetings and Monitoring of HCV 5 Area and other activities including trainings	50,000					X			X				X
7	<b>Wildlifes Surveys In Ulu Rompon And Ulu Pangas</b>	13. Camera Trapping Surveys and Report every Quarterly to MPCT and updating on website	50,000 Allowances*	X	X	X	X	X	X	X	X	X	X	X	X
		14. Develop relevant SOP and trainings	10,000												
8	<b>Survey of Hornbills</b>	15. Field Inventory and Analysis and updating on website	5,000			X			X			X			X
9	<b>Conservation Awareness Programmes</b>	16. Awareness/Educating Villagers on Conservation Issues, Reporting and updating on website	30,000									X		X	X
		17. Develop SOP and report and update on website	5,000				X			X			X		
10	<b>Managing Scientific Study</b>	18. Approved Research by CCF to be monitored by DFO and reported and summarised in website				X			X			X			
		19. Plan and execute scientific Expeditions in FMU10	50,000 Allowances*										X		

Appendix 2: Summary of the Conservation Strategies and Strategic Actions to be implemented in 2018 for CAMP FMU 10 (continuation)

No	Strategy	Strategic actions	Expenditure (RM)	1	2	3	4	5	6	7	8	9	10	11	12
*	<b>Surveillance Audit</b>	Gaps audited in the Management of FMU10 according to the P & C of FSC	35,000							X	X	X	X		
<b>A</b>		<b>TOTAL (RM)</b>	<b>1,745,000</b>												
<b>B</b>	<b>Budget Deficit</b>	<b>Vehicles Maintenance and fuels</b> <i>(** RM120,000 set aside for vehicle maintenance)</i> <i>(***RM 30,000 set aside for POL)</i>	<b>436,210</b>												
<b>C</b>		<b>GRAND TOTAL</b>	<b>2,181,210</b>												

\*Allowances: RM 400,000 set aside for pooling system of staff for FMU10, SLFR and FMU12.

Appendix 3: Summary of Monitoring Activities to be done in 2017 under CAMP FMU 10

Item	Target	Indicator	Methodology	Frequency	Responsibility
1		Demarcated Forest Boundaries: <ul style="list-style-type: none"> <li>No Encroachments</li> <li>No Illegal Timber Extractions</li> <li>No Fire Occurrence</li> <li>No wildlife Poaching</li> <li>No enlargement of encroached areas by communities</li> </ul> <p><b>Macro view</b></p>	Remote sensing Report: FMU10	Tri Annually	K(FRM)
2	UMDF	Demarcated Forest Boundaries: <ul style="list-style-type: none"> <li>No Encroachments</li> <li>No Illegal Timber Extractions</li> <li>No Fire Occurrence</li> <li>No wildlife Poaching</li> <li>No enlargement of encroached areas by communities</li> </ul> <p><b>Micro view</b></p>	BORANG FMU10-1 (Borang Pemantauan/ Rondaan)	Monthly Surveillance	Field Staff
3		Burnt Area Planted and Restored	Laporan Restorasi	Quarterly for Planted Acreage and Area Maintained	Field Staff
4		Growth and Yield Plots	Growth Report on the PSPs	Bi-Annually	FRC Research Team
5	UMDF	Wildlife Surveys, HCV 1.3 and HCV 5 areas monitored	BORANG FMU10 - 3 and BORANG FMU10 - 4	Quarterly	Field Staff
6	Summit Scrub	No Poaching of Flora and Fauna	BORANG FMU10 - 2	All ascents and descents by Tourists: Monthly (Summary)	Field Staff
7	Hornbills	Population density/ Species Distributions of Hornbills	Survey Reports	After each Survey	Sabah Parks Team