

# SUNGAI RAWOG CONSERVATION AREA SCIENTIFIC EXPEDITION

SEGALIUD LOKAN FOREST RESERVE (FMU 19B)

08-18.08.18



## REPORT

ORGANIZERS:



PARTICIPANTS:



To: Collin Goh  
Paul Liao  
Peter Tiong

Date: 23<sup>rd</sup> August 2018

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## **Sg. Rawog Scientific Expedition Report**

### **INTRODUCTION**

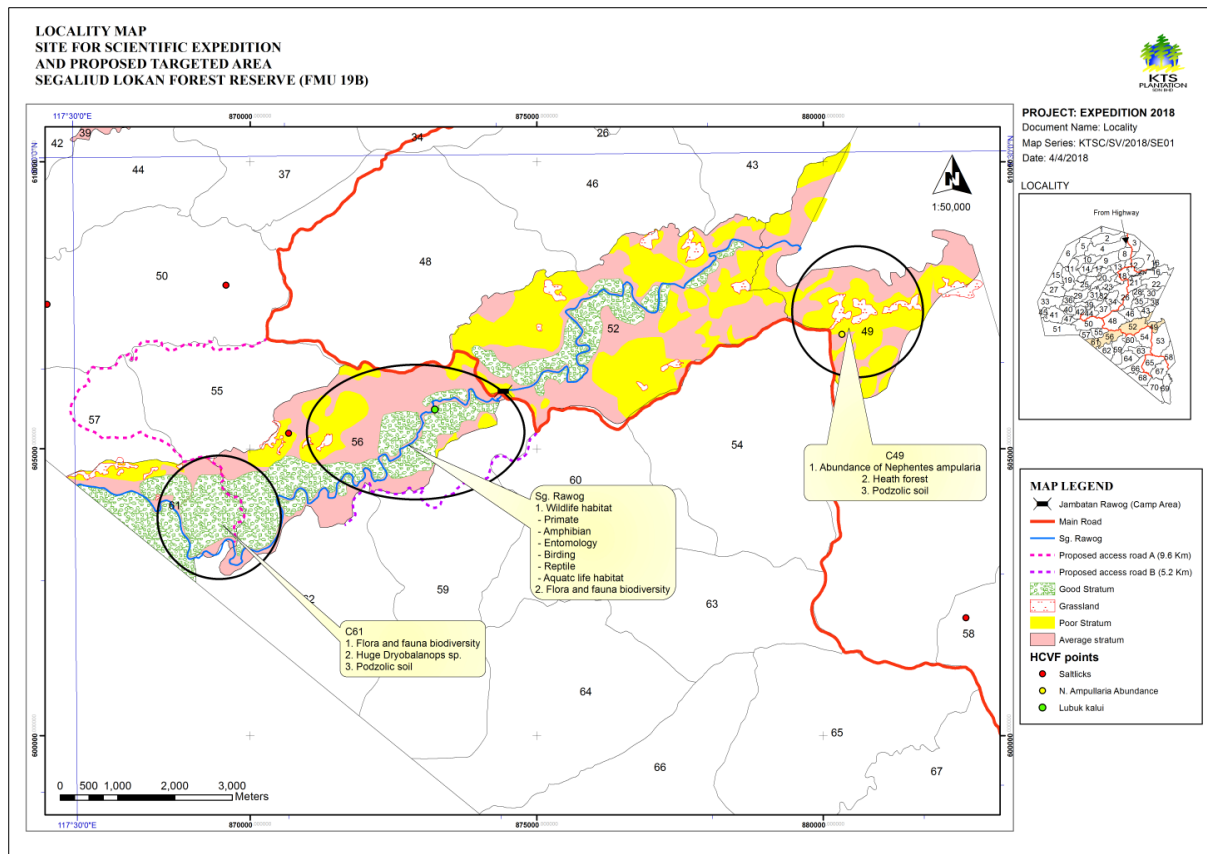
Sg. Rawog Scientific Expedition is one of the initiative under the MOU between three partite; KTSP, SFD and UMS. This MOU is a great platform for KTSP to collaborate on the enhancement of the forest. Thus, this scientific expedition was initiated to find out what are the values that we have inside our conservation areas.

Under the management of KTS Plantation, Segaliud Lokan Forest Reserve (SLFR) which is also identified as Forest Management Unit No. 19(B) was divided into few forest zone. SLFR covers an area of 57,247 ha where 50,000 ha of the area was a production zone. The remaining was reserve for research and conservation zone.

KTSP set aside 10 compartment as a conservation or protection zone which makes up to 6, 447 ha. Apart from marking and annual monitoring basically, these areas have been 'locked' of any activities. To-date, less has been known of the qualities of these areas. During the expedition, the focus area was the conservation area along the Valley of Rawog River, covering an area of 3,118 ha as shown in Map 1 with selected area to be highlighted which was thought to have high value by the management. The valley of Sg. Rawog covered 4 compartments; C49, C52, C56 and C61.

The objectives of this expedition is to document flora, fauna and aquatic life in the area, to enhance the management prescription of these qualities of the area, to comply with certification requirement for HCVF management and to compile all findings and a potential eco-tourism product.

**Map 1 Sg. Rawog Conservation area**



## THE PARTICIPANTS

Sg. Rawog conservation area scientific expedition was one of the expeditions that involve many organizations. Among the participants are Universiti Malaysia Sabah (both Kota Kinabalu and Sandakan branch), Institute for Tropical Biology and Conservation (ITBC), WWF – Malaysia, Sabah Parks, Sabah Wildlife Department and the co-organiser Forest Research Center (FRC).

This expedition has assembled many big names on the industry such as Mr. Alim Biun, Dr. Arthur Chung, Prof. Monica Suleiman, Mr. John Sugau, Dr. Rueben Nilus, Mr. Huebert, Mdm. Rimi Repin and many more. We also have two foreigner participants that is collaborating under the FRC; Dr. Miyabi Nakabayashi, a Japanese researcher doing her research under FRC and Mr. Benjamin Lawrence Carson, an exchange student from United States doing his internships in FRC.

This expedition has gathered around more than 100 participants for two batches of data and samples collections. 70 participants during the first batch and 60 participants on the second batch. Research topics are as below:

Flora	Fauna
Araceae, Mosses, Begonia, Etlingera sp., Ficus, Fungi, Dipterocarp, Medicinal plants	Land snail, Bat and ectoparasite, Fishery, Termites, Ants, Mammal, Bird, Primates, Crocodile, Entomology, Herpetofauna, Amphibian

Other than research on specific flora and fauna species, there are also research on forest ecology, soil science, plant diversity, general wildlife survey and tourism.

#### THE PREPARATION

The preparation for the expedition started on April with a group of FRC personnel venture to SLFR for site reconnaissance. After one stakeholder meeting and some secretariat meeting, the preparation was actively started on mid of June. The trail started to be established, the road maintenance to the expedition site and trails has started and the expedition sites were started to be cleared. On 1<sup>st</sup> of August 2018, FRC team has come for the establishment of the site. They started to make a full site preparation with the assistance from KTSP team.

#### THE LAUNCHING

The expedition launching was held at Sabah Forestry Department headquarters on the 8<sup>th</sup> of August 2018. The launching was officiated by Datuk Sam Mannan, the Chief Conservator of Forest. The launching was started on 9.30 at the forestry auditorium, followed by group photos and some refreshment before they flagged off for the expedition. The flagged off ceremony was led by Datuk Sam Mannan and Mr. Collin Goh and witnessed by all of the deputy chief and forestry staffs. There are about 18 vehicles that involved in the flagged off ceremony. After the flagged off, all the participants further their journey to the expedition sites in convoy together with KTSP vehicle.

### THE FIRST BATCH (8<sup>TH</sup> – 12<sup>TH</sup> August 2018)

The first batch started their first day of expedition on 8<sup>th</sup> August. They arrive at the site as early as 2pm. The last participant for the first batch arrive around 9pm. Most of the first batch participants are from UMS and others organization such as WWF, Sabah Park and Sabah Wildlife Department. The rest are from the co-organizer; FRC.

The activity for the first day includes briefing from the expedition secretariat, briefing from KTSP and introduction from each participant's team. The researcher started their research on the 9<sup>th</sup> of August; however some were just surveying the area before selecting a suitable location to setting up a plot. Presentation of findings was conducted every night to fill up the night time. Some of the researcher goes out during night time for data and samples collection. Apart from that, we also have researcher that conducting their research fully along the river and using boats fully during the first batch.

KTSP have prepared a guides and a boatman for the expedition. Each of the guides and boatman has been trained specifically to guide and assist a researcher. Each of them was equipped with a guide kit and first aid kit. Each team was given a guide to lead them to their chosen trails and some needed an assistant for their research. Two KTSP officers were on field full time on the first week to manage the camp and to make sure the expedition running smooth's.

The first batch participant leaves the camp on 12<sup>th</sup> of August.

### THE SECOND BATCH (13<sup>TH</sup> – 18<sup>TH</sup> August 2018)

The second batch started to came in on 13<sup>th</sup> of August around 1pm. As usual the first night activity was some housekeeping notes, briefing from KTSP and introduction from the second batch participants. For the second batch participants, most of them were from the co-organizer; FRC, few were from Sabah parks and only one from UMS.

For the second batch, the camp management was not so tight, so the officer get to join with some of the research team on field and some of the research team requested an officers to join them. The second batch was a bit quiet and no presentation of findings was conducted until the last night. The second batch leaves the camp ground on 17<sup>th</sup> evening.

We also have one team, Dr. Bakthiar from ITBC doing a full term research where they stay for both of the batches. They were also the last research team that leaves the camp ground on 18<sup>th</sup> of August.

#### RTM COVERAGE

The expedition was covered by RTM lead by Mr. Iswadiman. Their team came in on 11<sup>th</sup> August and they manage to follow few researcher teams doing their research. They also did some interview with the researcher and the management of KTSP. The RTM team stay for 3 days and leaves the expedition on 13<sup>th</sup> August.

#### THE SITE CLOSING

The camp ground was started to be disentangle on the 18<sup>th</sup> of August. The FRC team together with KTSP team work together to clear the camping ground. The FRC team leaves SLFR on the afternoon and the site clearance was continued by KTSP team on 20<sup>th</sup> of August 2018, Monday.

#### BUDGET AND EXPENDITURES

Budget and expenditures will cover on foods and manpower. Refer the attachment.

Report by,

(DARRYSIE SALAPAN)



**Photos during Sq. Rawog Conservation Areas Scientific Expedition, 8<sup>th</sup>-18<sup>th</sup> August**  
**2018**



**Photo 1**



**Photo 2**





**Photo 3**

Photo 1,2 and 3 shows the site preparation from both KTSP and FRC team



**Photo 4** Speech from Mr. Collin as KTSP representative during launching at Sabah Forestry Department Headquarters



**Photo 5** Speech from Yang Berbahagia Datuk Sam Mannan, the Chief Conservator Of Forest





**Photo 6 Group photo during launching and flagged off**



**Photo 7 Researcher getting ready to go to their trails**



**Photo 8 The main hall where the most all of the activities are conducted here including eating, resting and presentation of findings**





**Photo 9 Light trapping. One of the method to look into the insect diversity.**



**Photo 10 some of fungi sample collected from trail**



**Photo 11** Some of the obstacle in river. The boat has to be pulled and pushed because the water level is not deep enough for the boat.

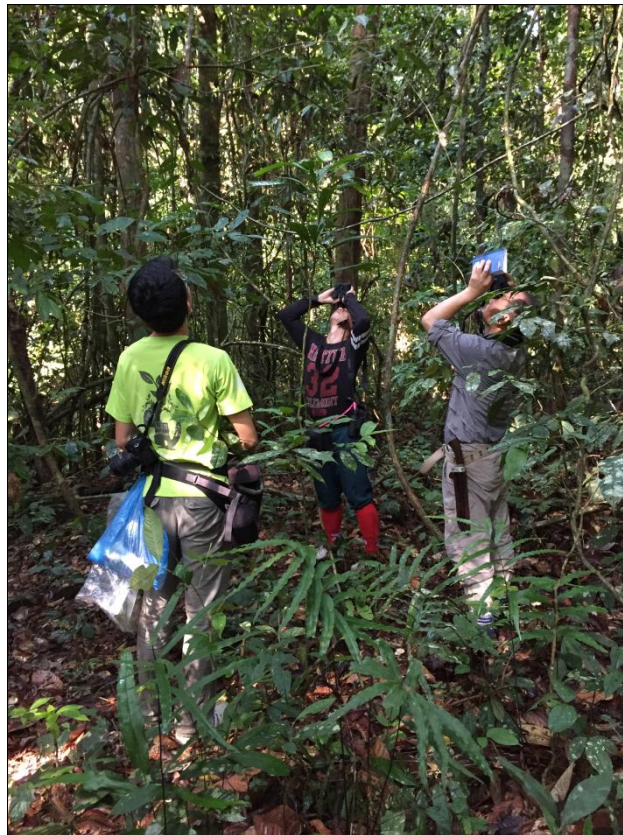


**Photo 12** River cruise with FRC ecotourism division





**Photo 13 Presentation of findings from Mr. Alim Biun, an expert in Avifauna from Sabah Parks**



**Photo 14 FRC team doing tree identification in Trail 6**





Photo 15 FRC team doing soil assessment in Trail 6



Photo 16





**Photo 17**

Photo 16 and 17 shows the clearance of the expedition sites.



ATTACHMENT I

**Sg. Rawog Scientific Expedition Meal Count**

Budgeted					Actual			
Date/Meal	No. Of People				Date/Meal	No. Of People		
	B	L	D			B	L	D
8	0	104	104		8	0	30	122
9	104	104	104		9	122	122	122
10	104	104	104		10	110	110	110
11	107	107	107		11	100	100	90
12	107	107	107		12	90	30	30
13	89	89	89		13	30	35	90
14	86	86	86		14	100	100	90
15	86	86	86		15	85	85	85
16	86	86	86		16	85	85	85
17	86	86	86		17	85	85	45
18	86	86	0		18	45	25	0

B = Breakfast

L = Lunch

D = Dinner

1. The budgeted meal per head is RM20 with breakfast charge RM5 per head and dinner is RM7.50 per meal.
2. The expected total for budgeted meal is RM 19, 735.00 and for the actual meal, the total is RM16, 830.00.
3. The number of people is the same as in the participant list with 30 people from KTSP and Lokan KPPM staff. However everyday there is a slight changes and sometimes major changes since some of the driver comes and go and sometimes they come in early. The meal count is adjusted everyday based on needed.

## ATTACHMENT II

### Mandays count for Staff and worker involves during Sg. Rawog Scientific Expedition

No.	Name	Position	Station	Div.	Mandays (1 <sup>st</sup> -18 <sup>th</sup> August 2018)																	
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Col. Andreas Apoi	Security Head	FIELD	FAD	-	-	-	-	SUNDAY	-	0	1	1	1	1	1	1	1	1	1	1	1
2	Darrysie Salapan	Camp manager 2	FIELD	PPD	-	-	-	-		-	0	1	1	1	1	1	1	1	1	1	1	1
3	Sanchez V John	Asst. camp manager 1	FIELD	LID	-	-	-	-		-	0	0	1	1	1	1	1	0	0	0	1	1
4	Marylyn Jonalius	Asst. camp manager 2	OFFICE/FIELD	FAD	-	-	-	-		-	0	0	0	0	0	0	0	0	1	1	1	0
5	Abd. Jalal S.	Boatman leader & Asst. guide leader	FIELD	PPD	/	/	/	/		/	1	1	1	1	1	1	1	1	1	1	1	1
6	Felix J. Gedulah	Guide leader	FIELD	PPD	/	/	/	/		/	0	1	1	1	1	1	1	1	1	1	1	1
7	Enprustin Angin	Guide	FIELD	PPD	/	/	/	/		-	0	1	1	1	1	1	1	1	1	1	1	0
8	Sharul Sangkala	Guide	FIELD	PPD	/	/	/	/		/	0	1	1	1	1	1	1	1	1	1	1	1
9	Azrul J	Guide	FIELD	PPD	/	/	/	/		/	0	1	1	1	1	1	1	1	1	1	1	1
10	Mohd. Jefli	Guide	FIELD	PPD	/	/	/	/		/	0	1	1	1	1	1	1	1	1	1	1	1
11	Yosep Ramon	Guide	FIELD	PPD	/	/	/	/		/	0	1	1	1	1	1	1	1	1	1	1	1
12	Marius Patrick	Guide	FIELD	LID	-	-	-	-		-	1	1	1	1	1	1	1	1	1	1	1	1
13	Dividson Markan	Guide	FIELD	LID	-	-	-	-		-	0	1	1	1	1	1	1	1	1	1	1	1
14	Vildy Salip	Guide	FIELD	LID	-	-	-	-		-	0	1	1	1	1	1	1	1	1	1	1	1
15	Dies Jastin	Guide	FIELD	LID	-	-	-	-		-	0	1	1	1	1	1	1	1	1	1	1	1
16	Walsius Masius	Guide	FIELD	LID	-	-	-	-		-	0	1	1	1	1	1	1	1	1	1	1	1
17	Johairul W.	Boatman	FIELD	PPD	/	/	/	/		/	1	1	1	1	1	1	1	1	1	1	1	1
18	Monloi Muroi	Boatman	FIELD	PPD	/	/	/	/		/	1	1	1	1	1	1	1	1	1	1	1	1
19	Nyuil Muroi	Boatman	FIELD	LID	-	-	-	-		-	1	1	1	1	1	1	1	1	1	1	1	1
20	Kosdey Kos	Boatman	FIELD	LID	-	-	-	-		-	0	1	1	1	1	1	1	1	1	1	1	0
21	Nelis Mado	Security	FIELD	PPD	/	/	/	/		/	0	1	1	1	1	1	1	1	1	1	1	1
22	Ezwan Atoh	Security	FIELD	FAD	-	-	-	-		-	0	1	1	1	1	1	1	1	1	1	1	1
23	Ismail Arad	Security	FIELD	FAD	-	-	-	-		-	0	1	1	1	1	1	1	1	1	1	1	1
24	Atoh Asiau	Security	FIELD	FAD	-	-	-	-		-	0	1	1	1	1	1	1	1	1	1	1	1
25	Basri Latif	Machine Operator	FIELD	PPD	/	/	/	/		/	/	/	/	/	/	/	/	/	/	/	/	/
26	Jamal Abd. Rahim	Machine Operator	FIELD	LID	/	/	/	/		/	/	/	-	-	-	-	-	-	-	-	-	-
27	Jorlan	Carpenter	FIELD	FAD	/	/	/	/		/	/	/	-	-	-	-	-	-	-	-	-	-
28	Fazrul	Dump Truck Driver	FIELD	LID	/	/	/	/		/	/	/	-	-	-	-	-	-	-	-	-	-
29	Yuding	Dump Truck Driver	FIELD	LID	/	/	/	/		/	/	/	-	-	-	-	-	-	-	-	-	-

\*\*\*Notes: /=Involves in site preparation/road maintenance/ no overnight, 1 = Overnight, 0 = Absent, - = Not involved

1. Some of the guides started to overnight at the camp ground on 7<sup>th</sup> August to take care of the camp ground since all of the FRC team has to go out to town for the launching on 8<sup>th</sup> August.
2. We trained 14 guides for the expedition which divides into two; land and river. 10 guides on land and 4 guides on river as a boatman and assistant boatman. However the boatman was also involve in land guides if no request for river trail.
3. Each guide was given a guides kit which consist of stationery, high-vis vest, map of the area and trail and a mini First Aid kit.
4. All guides were also involved fully in trail preparation and some in trail and site preparation.