

SUMMARY OF HIGH CONSERVATION VALUES MONITORING ACTIVITIES 2025

INTRODUCTION

The activity for HCV monitoring kick off in 2025 as the continuation of most activity that had been previously carried out in the previous year. Several additional programmes were added to further enhance and strengthen HCV monitoring throughout the AFISB management area. The main focus of these activities is to collect a baseline data and to ensure that any changes in HCV area or conditions are detected, recorded and properly documented.

Another activity that has been taken into account is assessment of invasive species within HCV area. The issue was raised during MTCS Stage 2 audit in 2024, where significant measure were required to be implemented to be taken to manage and control invasive species in HCV area. Therefore, monitoring and management actions related to invasive species has been incorporated into the 2025 HCV monitoring programme to address the concerns highlighted during the audit.

Engagement with the local community was also conducted, where briefings were provided on community access to HCV areas as well as on the presence and importance of Rare, Threatened and Endangered (RTE) species. In addition, training session facilitated by Sabah Wildlife Department on Honorary Wildlife Warden was conducted in November 2025 where 20 AFI staffs was involved and if passed their requirement, may carry out wildlife related enforcement activities including roadblocks and inspections in accordance with the Sabah Wildlife Department Ordinance.

Monitoring activities such as routine patrolling for the purpose of detecting any physical disturbance have been incorporated into the monitoring program. These activities are mainly carried out along the main access roads, river buffer zones, lakes, and mangrove areas. The implementation of this additional monitoring component only commenced in November 2025 and scheduled to be conducted on a monthly basis. Regular patrols will help ensure that any potential physical disturbances can be detected early and appropriate actions can be taken in a timely manner.

1. WILDLIFE MONITORING – CAMERA TRAPPING

Compared to the 2024 monitoring period, the 2025 camera trap survey recorded a higher diversity of wildlife species, indicating a positive trend in species detection within the monitored areas. While 32 species were documented in 2024, the 2025 monitoring recorded 49 species, reflecting an increase of 17 species. This increase suggests improved detection and a broader representation of wildlife utilizing the conservation areas.

The higher number of species recorded in 2025 may also be influenced by enhanced monitoring effort, improved camera trap placement, and longer sampling duration, which increase the probability of detecting both common and elusive species. In addition, the continued presence of forested habitats and ecological corridors within AFISB's conservation landscape likely supports wildlife movement and habitat connectivity.

The detection of several species of conservation importance, including Sun Bear, Pangolin, and Proboscis Monkey, further emphasizes the ecological value of the area. These findings indicate that

the conservation and habitat protection measures implemented under the High Conservation Value (HCV) management program are contributing to the maintenance of biodiversity and providing suitable habitats for a range of wildlife species.

Continued monitoring is important to track long-term trends in species presence and to evaluate the effectiveness of ongoing conservation management strategies within AFISB's forested areas.

Mammals represented the majority of records, including species such as the Bearded Pig, Leopard Cat, Malay Civet, Common Palm Civet, Sun Bear, Sambar Deer, Lesser Mousedeer, Pangolin, Pig-Tailed Macaque, Long-Tailed Macaque, Silvery Langur, Proboscis Monkey, Kinabalu Squirrel, Plantain Squirrel, Large Treeshrew, Malay Badger, Moonrat, Smooth Otter, Yellow-throated Marten, and Common Porcupine. The continued detection of notable species such as Sun Bear, Pangolin, and Proboscis Monkey, which are of conservation importance, highlights the ecological value of the area and the role of forest habitats in supporting wildlife populations.

Bird species recorded include Black-Shouldered Kite, Chestnut-Necklaced Partridge, Crested Fireback, Emerald Dove, Malaysian Night-Heron, Pied Fantail, Taban Scrubfowl, White-Breasted Waterhen, White-Crowned Shama, Oriental Honey Buzzard, White-Fronted Falconet, Chestnut-capped Thrush, Hooded Pitta, Greater Racket-tailed Drongo, Golden-bellied Gerygone, and Chestnut-winged Cuckoo, reflecting significant avian diversity within the landscape.

In addition, Monitor Lizards were also captured, representing the reptilian fauna present in the area.

Table 1: List of species detected in camera trap activity. A total of at least 49 species detected as per December 2025.

No	Common Name	Species	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC
1	Bearded Pig	Sus Barbatus	20	40	34	5		3		10	4	5	29	32
2	Birds	(Blank)												
3	Black-Shouldered Kite	Elanus Caeruleus												
4	Chestnut-Necklaced Partridge	Arborophila Charltonii				1	2	3	4	2	1	2	1	3
5	Civet	(Blank)												
6	Common Palm Civet	Paradoxurus Hermaphroditus		5	1	2	2			4	1	1	1	4
7	Crested Fireback	Lophura Ignita							11	25	30	26	17	4
8	Domestic Dog	(Blank)												
9	Emerald Dove	Chalcophaps Indica		20	11	10	2	3	4	9	5	2		2
10	Jungle Fowl	(Blank)		2										
11	Kinabalu Squirrel	Callosciurus Baluensis												
12	Large Treeshrew	Tupaia Tana	3	11	9	13	12	7	7	12	12	4	6	4
13	Leopard Cat	Felis Bengalensis		1								1	3	3
14	Lesser Mousedeer	Tragulus Javanicus	5	41	27	15	17	16	28	41	74	40	44	11
15	Long-Tailed Macaque	Macaca Fascicularis		5	3	18		3	7	3	6		5	1
16	Malay Badger	Mydaus Javanensis	1	35	25	9	3	1	2	4	8	11	6	4
17	Malay Civet	Viverra Zangalla	1	17	4	6	2	1	3	7	6	3	1	1
18	Malaysia Night-Heron	Gorsachius Melanolephus											1	

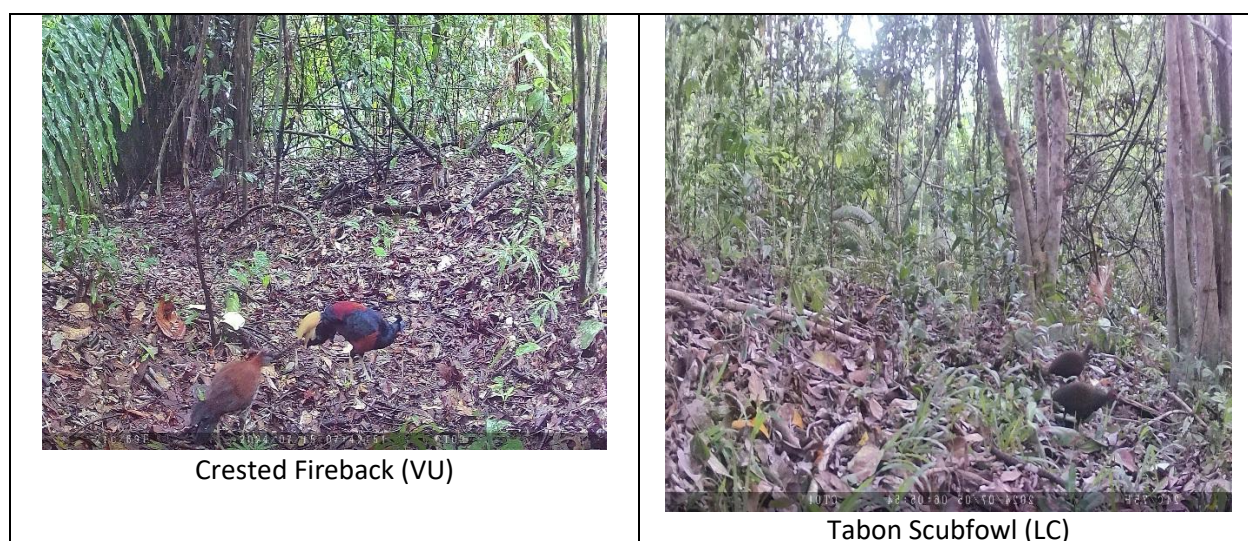
19	Monitor Lizard	All Varanus Species				1			1	1	1	2		1
20	Moonrat	(Blank)												
21	Mouse	(Blank)				3	1		1		4	2		2
22	Pangolin	Manis Javanica		2		2			3	1	1	1	4	1
23	Pied Fantail	Rhipidura Javanica	1											
24	Pig-Tailed Macaque	Macaca Nemestrina		8	15	16	5	32	2	23	16	11	28	
25	Plantain Squirrel	Callosciurus Notatus	1	7	1	6	2		2				1	2
26	Proboscis Monkey	Nasalis Larvatus												
27	Sambar Deer	Cervus Unicolor	5	5	17	4	10	4		2	4	4	4	5
28	Silvered Langur	Trachypithecus Cristatus		2										
29	Sun Bear	Helarctos Malayanus		6	2	4	1		1	3	5	4	5	
30	Tabon Scrubfowl	Megapodius Cumingii		22	14	26	12	22	15	14	31	18	23	44
31	Greater Coucal	Centropus Sinensis		1										
32	White-Breasted Waterhen	Amaurornis Phoenicurus			3									
33	White-Crowned Shama	Copsychus Stricklandii		1	2	1	1			1			1	
34	Oriental Honey Buzzard	Pernis Ptilorhynchus	1											
35	White-Fronted Falconet	Microhierax Latifrons	1											
36	Chestnut_Capped Thrush	Zoothera Interpres			1									
37	Hooded Pitta	Pitta Sordoda			9	2	7							
38	Greater Racket-Tailed Drongo	Dicrurus Paradisesus					1							
39	Common Porcupine	Hustrix Brachyura	2	6	9	10	4		2	6	9	10	4	
40	Black-Capped Babbler	Pellorneum Capistratum	1						1					
41	Marbled Cat	Felis Marmorata			1						1			
42	Bornean Yellow Muntjac	Muntiacus Arherodes				1	1					1	1	
43	Malay Weasel	Mustela Nudipes				1						1		
44	Eastern Marsh-Harrier	Circus Spilonotus					1						1	
45	Short Tailed Mongoose	Herpestes Brachyurus					1						1	
46	Smooth Otter	Lutra Perspicillata					10	8					10	8
47	Yellow-Throated Marten	Martes Flavigula					2						2	
48	Golden-Bellied Gerygone	Gerygone Sulphurea						1						1
49	Chestnut-Winged Cuckoo	Clamator Coromandus						1						1

1. Natural forest of Wasoi (including plantation gaps):

(i) Wildlife monitoring

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 Bearded Pig (VU)	 Sun bear (VU)
 Proboscis Monkey (EN)	 Sambar deer (VU)



IUCN: CR – Critically Endangered; EN – Endangered; NT – Near Threatened; VU – Vulnerable; LC – Least Concern; and DD – Data Deficiency.

(ii) Monitoring and inventory of Wasoi natural forest

Table 2: Monitoring of enrichment planting survival in Wasoi 2024

Date	Block	Plot ID	Tree Age	Tree height (m)					Remarks
				Seed 1	Seed 2	Seed 3	Seed 4	Seed 5	
14 Oct 2025	B	Kelompok 1	6 years	2.1	4.4	3.6	1.6	3	-
14 Oct 2025	B	Kelompok 2	6 years	-	1.1	0.6	-	-	3 trees died
14 Oct 2025	B	Kelompok 3	6 years	2	2.9	2.1	3.2	3.4	-
14 Oct 2025	B	Kelompok 4	6 years	4.5	3.6	4	1.6	1.1	Seed 4 survived from the ruin overrun by bushes. Seed 5 tips died (resulting lower height than previous)
14 Oct 2025	B	Kelompok 5	6 years	2.4	3.1	-	-	-	3 tree died
14 Oct 2025	B	Kelompok 6	6 years	2.4	-	-	-	-	4 tree died

Table 3: Monitoring of Natural forest

Date	Activity	Location	Remarks
05.09.2025	Ground inspection of natural forest. Camera trap installation.	WASOI CA	No physical disturbance or sign of encroachment found during the monitoring activity.

14.10.2025	Ground inspection of natural forest. Inventory of enrichment planting in Wasoi CA.	WASOI CA	No physical disturbance or sign of encroachment found during the monitoring activity.
22.10.2025	Ground inspection of natural forest; Removal of camera trap.	WASOI CA	No physical disturbance or sign of encroachment found during the monitoring activity.

2. River/Stream

	River riparian signboard
	Water sampling activities

Table 4: Monitoring river/stream

Date	Activity	Location	Remarks
27.01.2025	Ground inspection of river/stream, water sampling	AFI sampling station	No sign of encroachment.
26.02.2025	Ground inspection of river/stream, water sampling	AFI sampling station	No sign of encroachment.
26.03.2025	Ground inspection of river/stream. water sampling	AFI sampling station	No sign of encroachment.
21 & 22.04.2025	Ground inspection of river/stream, water sampling	AFI sampling station	No sign of encroachment.
24, 26 & 28.05.2025	Ground inspection of river/stream, water sampling	AFI sampling station	No sign of encroachment.
10 & 13.07.2025	Ground inspection of river buffer. Remarking buffer zone	G11, L32, L31 & W22, T17, W18	No sign of encroachment.
02.08.2025	Signboard inspection	N12	No sign of encroachment. Signboard in good condition.
12, 14 & 24.11.2025	Ground patrolling river buffer	Along main road	No sign of encroachment. All visited locations are still erected with appropriate signboards.
12.12.2025	Ground patrolling river buffer	Along main road	No sign of encroachment. All visited locations are still erected with appropriate signboards.

3. Steep Slope Areas (>25°)

	Steep slope signboard at Rant 22
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Date	Activity	Location	Remarks
19.05.2025	Invasive species monitoring	Rant 22	The area in good condition. No encroachment during the visit.

4. Mangrove Forest



Table 5: Monitoring Mangrove forest

Date	Activity	Location	Remarks
15 & 16.04.2025	Inspection of Signboard at Bawing Log yard	Bawing Log Yard	Signboard in good condition
31.01.2025	Site Inspection – Mangrove Signboard	Bawing Log Yard	Environment Monitoring by Chemsain Sdn Bhd
28.04.2025	Site Inspection – Mangrove Signboard	Bawing Log Yard	Environment Monitoring by Chemsain Sdn Bhd
26.09.2025	Site Inspection – Mangrove Signboard	Bawing Log Yard	Environment Monitoring by Chemsain Sdn Bhd

5. Wetlands area

	Mantaya lake
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Table 5: Monitoring Wetlands Area

Date	Activity	Location	Remarks
31.01.2025	Site Inspection – Lake buffer Inspection	Bawing Log Yard	Environment Monitoring by Chemsain Sdn Bhd
28.04.2025	Site Inspection – Lake buffer Inspection	Bawing Log Yard	Environment Monitoring by Chemsain Sdn Bhd
26.09.2025	Site Inspection – Lake buffer Inspection	Bawing Log Yard	Environment Monitoring by Chemsain Sdn Bhd

6. Community Engagement



Table 6: Community Engagement

Date	Activity	Location	Remarks
14.08.2025	Community Engagement on HCV – Community access to HCV & RTE	Kg. Malubang	Involving 4 villages: Malubang, Pansuran, Tiga Tarok and Bawing
20.08.2025	Community Engagement on HCV – Community access to HCV & RTE	Kg. Pangkalan Mangkapon	Pangkalan Mangkapon
22.08.2025	Community Engagement on HCV – Community access to HCV & RTE	Kg Mongkubau Darat	
10.09.2025	Community Engagement on HCV – Community access to HCV & RTE	AFI	Kg. Suang Duyung and Marringan

25.10.2025	Community Engagement on HCV – Community access to HCV & RTE	Kg Narandang Darat	
07.11.2025	Community Engagement on HCV – Community access to HCV & RTE	Kg. Kuyuh	
12.11.2025	Community Engagement on HCV – Community access to HCV & RTE	Kg. Ampungoi	
04.12.2025	Community Engagement on HCV – Community access to HCV & RTE		Kg Tampakahu and Bambang Tampakahu
10.12.2025	Community Engagement on HCV – Community access to HCV & RTE	Kg. Pungiton Polod	

7. Invasive species monitoring



Table 7: Invasive species monitoring

Date	Activity	Location	Remarks
09.04.2025	Invasive species monitoring	Mant 02	Mechanical removal of Acacia mangium saplings using parang.
23.04.2025	Invasive species monitoring	Bodu 12	Mechanical removal of Acacia mangium saplings using parang.
14.05.2025	Invasive species monitoring	Kapo 12	No invasive species detected
19.05.2025	Invasive species monitoring	Rant 22	Mechanical removal of Acacia mangium saplings using parang.
10.06.2025	Invasive species monitoring	Kgli 09	Mechanical removal of Acacia mangium saplings using parang.
23.08.2025	Invasive species monitoring	Kgli 09 (New Point)	No invasive species detected
28.08.2025	Invasive species monitoring	Lati 18	No invasive species detected

08.09.2025	Invasive species monitoring	Bodu 12	No new sapling (Follow up from April 2025)
09.09.2025	Invasive species monitoring	Bodu 15	1 Acacia mangium tree, 2 dead trees (Acacia Mangium
09.09.2025	Invasive species monitoring	Bodu 19	No invasive species detected
06.10.2025	Invasive species monitoring	Mari 43	No invasive species detected
06.11.2025	Invasive species monitoring	Mant 02 (New Point)	3 dead Acacia mangium trees
11.11.2025	Invasive species monitoring	Mgku 11	7 Acacia mangium tree, 2 dead trees (Acacia mangium)
11.11.2025	Invasive species monitoring	Mant 02	No new sapling (Follow up from April 2025)

8. Graveyard & Cultural value

	Joint Inspection of old graveyard at LATIP 15 (Villager & AFI Social & Environment team)
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Table 8: Cultural (Old Graveyard) monitoring

Date	Activity	Location	Remarks
06.05.2025	Inspection graveyard	Latip 15	Joint inspection with villagers & AFI Social team.