

QUARTERLY REPORT
ULU SEGAMA-MALUA SUSTAINABLE FOREST MANAGEMENT PROJECT (FMU 20,21,22)
YEAR: 2017

NO.	ACTIVITIES	LOCATION / COMPARTMENTS	TARGET	Achievement (ha)				Total (ha)	Percentage (%)	REMARKS
			(ha)	Q1	Q2	Q3	Q4			
1	Silviculture									
a. Silviculture treatments for new compartments		110	440	0	0	44	366	410	93%	PPM Fund
		111	0	0	0	0	25	25	#DIV/0!	WWF (Malaysia) Fund
		153	561	0	561	0	0	561	100%	
		154	500	0	500	0	0	500	100%	
		155	326	0	326	0	0	326	100%	
		156	688	0	0	671	0	671	98%	
		157	504	0	136	368	0	504	100%	
		169	562	0	562	0	0	562	100%	
		171	371	0	371	0	0	371	100%	
		172	597	0	597	0	0	597	100%	
		174	682	0	0	682	0	682	100%	
		175	493	0	493	0	0	493	100%	
		177	595	502	93	0	0	595	100%	
		178	467	467	0	0	0	467	100%	
		185	516	0	0	0	0	0	0%	
		189	354	0	132	0	0	132	37%	
		167	0	0	0	840	0	840	#DIV/0!	
		168	0	0	0	752	0	752	#DIV/0!	
		190	722	0	0	0	0	0	0%	
		225	562	399	404	0	0	803	143%	
		226	0	1,429	0	0	0	1,429	#DIV/0!	
TOTAL			8,940	2,797	4,174	3,357	391	10,720	120%	
2	Forest Restoration									
a. Planting		111	0	0	0	0	75.2	75.2	0%	WWF (Malaysia) Fund
		119	440	440	0	0	0	440.00	100%	Executed by Yayasan Sime Darby. All planting and silviculture works were stopped by end of June 2017 with the order from YSD.
		120	619	0	567.18	0	0	567.18	92%	
		122	125	36	0	0	0	36.00	29%	
	TOTAL			1184	476	567.18	0	75.2	1118.38	94%
b. Maintenance		103	550	112.57	386.94	261.58	0.00	761.09	138%	YSG
		104	300	0.00	153.44	59.65	18.92	232.01	77%	YSG
		105	150	43.50	43.50	43.50	43.50	174.00	116%	YSG
		106	500	158.98	305.00	146.02	91.70	701.70	140%	YSG
		108	550	68.84	186.40	64.60	57.56	377.40	69%	YSG
		111	25	0.00	0.00	0.00	0.00	-	0%	WWF (Malaysia)
		112	552	730.45	71.42	35.71	0.00	837.58	152%	YSD
		113	224	412.60	0.00	0.00	0.00	412.60	184%	YSD
		118	458	523.78	611.81	68.50	68.50	1,272.59	278%	YSD
		117	508	554.26	689.60	382.02	274.92	1,900.80	374%	YSD
		119	440	318.00	831.82	802.41	756.69	2,708.92	616%	YSD
		120	619	99.71	387.18	113.23	529.62	1,129.74	183%	YSD
		122	125	0.00	0.00	223.00	35.71	258.71	207%	YSD
TOTAL			5001	3,022.69	3,667.11	2,200.22	1,877.12	10,767.14	215%	
3	Wildlife									
a. Orang Utan census	Bt Piton	twice per year	In progress	completed 7th one off nest census, 2000m distance covered, 22 nest recorded, analyses finding: nest densities=196.78 nest/km² and Orangutan densities= 1.25 ind./km²	in progress	completed 8th nest census, 2000m distance covered, finding: nest densities=82.1 nest/km² & Orangutan densities= 0.53 ind/km²		100%	Executed by SFD team	
	Bt Piton	Quarterly	12000 meters distance covered, (6) days successive survey, (2) hornbill species detected along the survey (Asian black hornbill and Oriental pied hornbill). Both species common detection during survey	12000 meters distance covered, (6) days repeated surveys, (3) hornbill species detected (Asian black, Oriental pied and Rhinoceros), range detection (0.83-2.83 ind. per day/km), Oriental pied hornbill most common	repeated surveys and carried out six (6) days (twice per month), 12 kilometers distance covered (2km/session). Three (3) species of hornbill recorded (detection range: 0.17-0.42 sp. detection/day/km)	carried out twice per month (2km/session), three (3) hornbill species recorded (Oriental pied, Asian black & Rhinoceros), detections range per day=0.17-0.83, detections per day/km=0.08-0.42		100%	Executed by SFD team	
	Bt Piton	Quarterly	Inspected (3) artificial saltlick, carried out once per month, used by large mammals such Deer and Pig	Inspected (3) artificial saltlicks and carried out once per month, active visit by mammals especial Sambar deer, Mouse deer and Bearded pig	carried out once a month, completed to inspected three (3) artificial saltlicks within cpt. 112A, still working and visit by Wild pig and deer.	carried out once per month, current status, still working and used by deer and pig		100%	Executed by SFD team	
	Bt Piton FR (Sime Darby Restoration area)	Quarterly, Distance 12 km / survey, conduct 3 times / month	144 kilometers distance covered, (12) days successive survey, (6) terrestrial mammals recorded, (2) threatened species in IUCN red list namely Bearded pig and Slow loris. The most common sighting was Malay civet (0.009 detection/day/km), followed by Common palm civet and Moonrat (both 0.003 detection/day/km). Overall, the species detection was low 1 < (range: 0.001-0.009 detection per day/km)	At least 144 kilometers distance covered, (12) days successive surveys, (7) nocturnal species detected, (2) threatened species recorded namely Bearded pig and Slow loris, most species detected was Malay civet (0.11 ind. per day/km), general finding: species detection was low 1 < (range: 0.01-0.11 species detection per day/km)	repeated surveys and completed to carried out 12 days successive surveys (4 days per session), 144 kilometers distance covered (12 kilometers per surveys), at least 11 wildlife species recorded which is (4) known as threatened species namely Bornean pygmy elephant, Sambar deer, Bearded pig and Slow loris. General finding: Common palm civet more frequent detection along surveys, species detection was low 1 < (range: 0.01-0.08 species detection per day/km)	completed 12 days repeated surveys (12km per session), 7 nocturnal species recorded (three threatened species in IUCN red list namely Bearded pig, Tarsier & Loris). Detections range= 0.01-0.10 species/km & 0.06-1.25 species/day. The highest species detections per surveys were Malay civet and Common palm civet (1.25 ind/day & 0.83 ind/day)		100%	Executed by SFD team	
	Bt Piton	One off	maintain with 129 species, (9) threatened species in IUCN redlist, 35 species near threatened and 84 species least concern	no new species recorded, currently still maintain with 129 species, (9) threatened species in IUCN redlist, 35 species near threatened and 84 species least concern	nil	nil		100%	Executed by SFD team	

[illegible]

NO.	ACTIVITIES	LOCATION / COMPARTMENTS	TARGET	Achievement (ha)				Total (ha)	Percentage (%)	REMARKS
			(ha)	Q1	Q2	Q3	Q4			
	a.CF Segama	Segama Community	2 times	Jan, Feb - Consultation meeting with community (2 times)	Nil	Nil	Nil		100%	Executed by SFD
	b. CF Silam	Silam Community	2 times	Feb - Consultation meeting with community. Mac - Briefing on the Forest Stewardship Council (FSC)	Nil	Nil	Nil		100%	Executed by SFD
	c. Main Line North Planters Community	Oil palm estates along Segama Riverine	2 times	Feb - Consultation meeting with Planter community	April - Consultation meeting with Planter community	August - Consultation meeting with Planter community	Dec - Consultation meeting with Planter community		200%	Discussion on road maintenance
	d. Advance training for nursery management	CF Segama	2nd Quarter	Nil	Nil	Nil	Nil		0%	KIV due to budget constraint
	TOTAL									
7	Infrastructure Development									
	a) Extension of US-M Office	Cpt. 189 (Ulu Segama FR)	1 unit	Nil	Nil	Nil	Nil		0%	No infrastructures was constructed due to budget constraints.
	b) Extension of Rest House	Cpt. 189 (Ulu Segama FR)	1 unit	Nil	Nil	Nil	Nil		0%	
	TOTAL									
8	Training									
	a) OSH (Occupational Safety & Health)		4 times	2/2/2017	4/5/2017	3/8/2017	21/11/2017	4	100%	To new contractor workers and SFD staff and officers
	b) Forest Rehabilitation		3rd Quarter	Nil	Nil	18/9/2017	Nil	1	100%	To new contractor workers
	c) Forest Protection		2nd quarter	Nil	18/5/2017	Nil	Nil	1	100%	Trained by WWF-Malaysia
	TOTAL									
9	Malua wildlife Habitat Conservation Bank									
	a. Wildlife Management	Malua FR								
	a1) Night Spotting	Cpt 58, 51, 85 & 50 (main road)	Quarterly	No activity carried out due road problem	At least 72 kilometers distance covered, (6) days successive surveys, (10) nocturnal species detected, (3) threatened species recorded namely Bornean pygmy elephant, Sambar deer and Slow loris. Most species detected was deer (0.18 ind. per day/km), overall species detection was low < 1 (range: 0.01-0.10 species detection per day/km)	60 kilometers distance covered, five (5) days repeated surveys, at least (9) nocturnal species detected and Thomas's flying squirrel more frequent detection along surveys (0.8 detection/day). However species detection per day/km was low (range: 0.02-0.07 detection per day/km)	completed 5 days repeated surveys (12km per session), 11 nocturnal species recorded (three threatened species in IUCN red list detected namely Bornean pygmy elephant, Bearded pig and Sambar deer). Detections range= 0.02-0.12 species/km & 0.20-1.40 species/day. The highest species detections during surveys was Sambar deer and Red giant flying squirrel (1.40 ind/day & 0.80 ind/day)		75%	Executed by SFD team. No activities were conducted in 1st quarter due to road problem
	a2) Morning drive observation	Cpt 58, 51, 85 & 50 (main road)	Quarterly	No activity carried out due road problem	96 kilometers distance covered, (8) days successive surveys, (7) diurnal species detected, (5) threatened species recorded namely Sambar deer, Pig tailed macaque, Bornean gibbon, Orang utan and Bornean pygmy elephant. Sambar deer and Macaques most common detections. Generally, species detection was low 1 < (range: 0.01-0.10 species detection per day/km)	72 kilometers distance covered, six (6) days repeated surveys, 4 mammals and 2 hombls. Three (3) threatened species recorded namely Sambar deer, Bearded pig and Bornean gibbon. The species detection was low (range: 0.01-0.11). Sambar deer and Bearded pig two common species more frequent detection along surveys.	completed 6 days repeated surveys (12km per session), 11 diurnal species recorded which 8 mammals dan 3 large birds species (6 species detected were threatened species in IUCN red list namely Bornean pygmy elephant, Orangutan, Bornean gibbon, Bearded pig, Sambar deer and Pig tailed macaque). Detections range= 0.01-0.13 species/km or 0.17-1.50 species/day. The highest species detections during surveys was Sambar deer and Bearded pig (1.50 ind/day & 0.50 ind/day)		75%	Executed by SFD team. No activities were conducted in 1st quarter due to road problem
	a3) Orang Utan nest counting (line transects)	Cpt. 58,52, 15,16, 85, 37 &37	twice per year	In progress	completed the 7th ground OU nest counts, 7130m distance covered. Result for nest and Orang-utan densities (North: 552.48 nest/km², 3.54 ind./km²; South: 488.90 nest/km², 3.13 ind./km²; East: 650.69 nest/km², 4.17 ind./km² and SBE: 402.01 nest/km², 2.58 ind./km²	In progress	completed 9th ground nest census. Result of nest and Orang-utan densities (North: 351.17 nest/km², 2.25 ind./km², South: 236.97 nest/km², 1.52 ind./km², East: 141.41 nest/km², 0.91 ind./km² and SBE: 296.45 nest/km², 1.90 ind./km²		100%	Executed by SFD team
	a4) Orang utan nest counting (aerial survey)	Malua FR	Once in 5 years	nil	nil	nil	nil		0%	Executed by SFD team, KIV until 2018
	a5) Opportunistic sighting	Malua FR roads	Continuously	4 wildlife species encountered within (3) days observation, (3)mammals and (1) birds (rhinoceros hornbill). At least (2) species recorded listed as threatened in IUCN red list namely Sambar deer and Bearded pig. Both species known as common and presented high detection per day (range: 1.33-2.00 individual detection/day).	based on (6) days observations, at least (9) wildlife species encountered which (8) mammals mostly nocturnal species and (1) homblil species (Rhinceros). According to IUCN red list criteria (5) species detected was threatened (Bornean pygmy elephant, Bearded pig, Sambar deer, Slow loris and Western tarsier. Sambar deer most common detection (1.67 detections/day). Overall, species detections per day was low <1 (range: 0.17 - 1.67 detections/day)	based on (15) days observations, at least (11) wildlife species encountered which (7) mammals and 4 homblil species. Five (5) species encountered was threatened species in IUCN red list (Bornean pygmy elephant, Sambar deer, Bearded pig, Pig tailed macaque and Orang utan. At least 1-2 species encountered per day and Bearded pig most common encountered. The species detections per day was low (range: 0.07-0.6).	based on (14) days observations; 12 wildlife species encountered which (10) mammals and (2) homblil species. 50% species encountered was threatened species in IUCN red list (Orangutan, Banteng, Bornean pygmy elephant, Sambar deer, Bearded pig, Pig tailed macaque). Bornean pygmy elephant and Orangutan most common encountered. However the species detections per day was low 1 < (range: 0.07-0.36).		100%	Executed by SFD team
	a6) Hornbill observation	Cpt 52, 51, 85,71,49,48, 84	Every 42 days	4 kilometers distance covered, (2) days surveys, 1 hornbill species detected along the surveys (Rhinceros hornbill). Species detected listed as near threatened in IUCN red list.	only one (1) day successive survey, (2) kilometers distance covered, (1) hornbill species detected along the surveys (namely Rhinceros hornbill). Species listed as Near threatened in IUCN red list	completed five (5) days repeated surveys, covered 10 kilometers of distance, at least three (3) hornbill species recorded namely Bushy crested hornbill, Rhinceros hornbill and Oriental pied hornbill. All species recorded were listed as near threatened in IUCN red list.	completed (3) days repeated surveys (twice in October and once in November), distance covered 6 kilometers (2 km/season), finding, (3) hornbill species detected such Rhinceros, Bushy crested and Oriental pied. All species detected were listed as near threatened in IUCN red list.		100%	Executed by SFD team
	a7) Artificial saltlick monitoring	Cpt. 62 (1) & 52 (2)	Monthly	Inspected (3) artificial saltlicks within cpt. 60 and cpt. 52. As usual, large mammals such Banteng, Bornean pygmy elephant, Sambar deer and Bearded pig commonly used and visit the sources.	The inspection mostly postponed due road problem, inspection carried out once in June, still active and visit by large mammals such Banteng, Bornean pygmy elephant, Sambar deer and Bearded pig. All species recorded known as threatened species in IUCN red list	the inspection was carried out once per month, currently only three (3) artificial saltlicks active and used by large mammals such Bornean pygmy elephant, Banteng, Sambar deer and Bearded pig. All species recorded classified as threatened species in IUCN red list.	completed 3 days inspections (once per month) and currently 3 artificial remaining and active visit by large mammals such Banteng, Bornean pygmy elephant, deer and Bearded pig. All species recorded known as threatened in IUCN red list.		100%	Executed by SFD team

NO.	ACTIVITIES	LOCATION / COMPARTMENTS	TARGET	Achievement (ha)				Total (ha)	Percentage (%)	REMARKS
			(ha)	Q1	Q2	Q3	Q4			
	a8) Camera Trapping	Malua FR	Monthly	nil	(2) camera trap devices installed within compartment 49 & 52, placed nearby ex-logging road,	1 unit camera trap installed within cpt. 52 (facing to artificial satilicks)	none		50%	Executed by SFD team. No activities were conducted in 1st and 2nd quarters due damaged devices
	a9) Bird watching	Malua FR	One off	Ongoing	Status quo, maintained to the previous number (n=177 species). Based on IUCN red list criteria, 6.21% of birds recorded were threatened species and 92.66% species categorized as least concern	status quo (177 species), no new species recorded	none		100%	Executed by SFD team
	a10) Wildlife road kill observation	Malua FR	Case basis	nil	none	nil	none		100%	Executed by SFD team
	b. Forest Protection									
	b1) Boundary Patrol	Malua FR perimeter boundary	Periodically	Focus in north-east Malua (cpt. 38, 37, 36, 31, 30, 29, 26, 25, 20, 19, 17, 16, 15, 14, 12, 9 and 8), patrols effort in average 2-3 days per week. No encroachment detected within Malua FR, but some empty cartridge found along the common boundary with OPPs, the team also found homemade bomb "ping pong" (suspected target for pig) in common boundary with OPPs. The team also detected some pig carcass within to OPPs which nearby Malua FR. Immediate action taken-direct consult to OPPs managers	Focus in north-east Malua (cpt. 38, 37, 36, 31, 30, 29, 26, 25, 20, 19, 17, 16, 15, 14, 12, 9 and 8), patrols effort in average 2-3 days per week. No encroachment detected within Malua FR, but still found some empty cartridge along the common boundary with OPPs.	minimun three (3) days per week and priority given in north-east Malua FR, compartments covered 7, 8, 9, 12, 14, 15, 16, 17, 19, 20, 25, 26, 29, 30, 31, 36, 37, 38 and several compartment in south Malua (cpt. 57, 56 and 61). No encroachment occur along Malua FR boundary, but in August 6th (1) adult (female) elephant dead found within Golden Apex Estate (70 meters away from Malua FR), caused of death-injured (been shot), report polis no: Kota Kinabatangan/00136217, investigation ongoing.	the patrols focus in north and east Malua, completed 36 days of patrols and covered 550 kilometers of distance (patrols effort in average=12.67 days per month, distance covered per month=183 kilometers. Compartments covered such 7, 8, 9, 12, 14, 15, 16, 17, 19, 20, 25, 26, 29, 30, 31, 36, 37 and 38. No encroachment detected along the patrols, issue HEC in common boundary to OPPs (Ladang Irait & Magna Jadi). Action taken report to SWD Kinabatangan .		100%	Executed by SFD team
	b2) River Patrol	Sg. Malua	Periodically	The team completed 24 days of patrols (8 days in January, 6 days in February and 10 days in March), the patrols effort extremely depends to river condition and water level. No illegal activities detected along the patrols.	once in April, twice in May and June, the patrols effort depends to water level and boat condition (boat appliance). Mostly static at jetty. No illegal activity recorded along the patrols	patrols effort (13) days (6 days in July, 4 days in August and 3 days in September), the patrols effort depends to water level and weather condition. Mostly static at jetty. No illegal activity detection along the patrols.	Patrols effort 16 days (Oktober=4 days, November=4 days and December=8 days) and distance covered was 48-04 kilometers per month (3-4 kilometers per patrol/day). The patrols occurrence depends to water level and weather condition. No illegal activity detected along the patrols.		100%	Executed by SFD team
	b3) Aerial surveillance	Malua FR perimeter boundary	Montly	Carried out twice (January and February). No illegal activity detected along the surveillance.	Twice (10th Apr & 13th May 2017), no encroachment detected along the surveillance	nil	none		40%	Executed by SFD team. Only 4 aerial surveys were conducted due to budget constraints.
	b4) Night Patrol	FCS 57, FCS 37 & FCS 15	Periodically	The patrols effort in average was 2 days per week and carried out weekend. No issue in relation to hunting activity detected along the night patrols. Mostly static at security gate in FCS 96.	April (4) days, May (10) days and June (9) days, patrols effort in average (2) days per week. No hunting activities encountered along the patrols. The team mostly static at security gate in FCS 96	focus to main road in south Malua (FCS57-FCS 96), patrols effort in average= 5 days/month (approximately mileage covered=805km), routine patrols (4km-dam) at Takala gate (approximately mileage covered=1,350km for 3 month), at least 2 insiden related to hunting activities recorded (i) 22nd July 2017, (ii) 13th August 2017. Action taken strengthen Takala gate.	routine night patrols from FCS 96-Takala Camp (Segama bridge) purposely to open and close the gate, sometimes mobile to Malua (FCS 57) and mainroad to Inlapan. Total distance covered=1676.4 kilometers (patrols effort per month was 558.8 kilometers). While, for north and east Malua the team completed 7 days of night patrols and priority along the common boundary to OPPs (Pintasan 5A and Ladang Irait). No hunting issue reported along the patrols.		100%	Executed by SFD team
	b5) To Maintain & replace FD Plates & signboards	South, North and East Malua FR (Cpt. 6-38)		At least 50 units of new FD plates was installed along to common boundary with OPPs in north Malua (LP 7 and Pintasan 8)	30 units of FD plates installed in common boundary to OPPs (Kwanas, Pintasan 5a&5b), 20 units placed in common boundary with PKPS (Ladang Irait)	no FD plates installed, maintain and cleaned up FD plates and signboards that been installed along the boundary	no new FD plates install, the team just keep maintain the old signboard and plates that been installed along the common boundary to OPPs		100%	Executed by SFD team
	c. Consultation to OPPs & Local Community (Kg. Balat)	Adjacent to Malua FR	Twicw a year	-	-	Golden Apex Estate, Kwanas Estate- Pintasan 5A, 5F, 5B and 8, PKPS-Ladang Irait, G&G estate, IOI-Syarimo 7& 8, Magna Jadi estate, Segamahah estate, Hedar Pujan Estate and Tung Hup estate (LP-7). Consultation carried out at least once per month.	consultation to OPPs was completed 26 days (more less 9 days per month). Estate been consulted such Magna Jadi, G&G, Ladang Irait, Pintasan 5A, Syarimo, Pasir Citra and Ladang Bukit Segamahah. No hunting issue reported, the main issue concern in CA was HEC-one baby elephant found death in Pasir Citra estate (more less 5 kilometers away from Malua FR). Assist OPPs to report SWD Kinabatangan-Police report: KTGNRPT/2255/17		100%	Executed by SFD team
	c. Infrastructure	Cpt 52 (Malua Station)	Q2	nil	nil	nil	none		0%	No infrastructure was constructed due to budget constraints.
	TOTAL									
10	SFD - Sime Darby Restoration Project at Bt Piton FR									
	a) Survey	Block 119A, 119B, 119C, 120A, 120B, 120C, 120D, 120E, 122C, 122D: Bukit Piton FR	186.95	186.95	Nil	Nil	Nil	186.95	100%	Executed by SFD
	b) CRP	Block 119A, 119B, 119C, 120A, 120B, 120C, 120D, 120E, 122C, 122D: Bukit Piton FR	411.77	363.89	47.88	Nil	Nil	411.77	100%	Executed by SFD
	c) Silviculture	Block 119A, 119B, 119C, 120A, 120B, 120C, 120D, 120E, 122C, 122D: Bukit Piton FR	1184	632.00	215.01	Nil	Nil	847.01	72%	Executed by Sime Darby's contractor (Segama Frontier, Jaya Suia and Sinar Wawasan). All planting and silviculture works were stopped by end of June 2017 with the order from YSD.

NO.	ACTIVITIES	LOCATION / COMPARTMENTS	TARGET	Achievement (ha)				Total (ha)	Percentage (%)	REMARKS
			(ha)	Q1	Q2	Q3	Q4			
	d) Planting	Block 119A, 119B, 119C, 120A, 120B, 120C, 120D, 120E, 122C, 122D; Bukit Pilon FR	1184	476.00	567.18	Nil	Nil	1,043.18	88%	Sime Darby's contractor (Segama Frontier & Jaya Suria). All planting and silviculture works were stopped by end of June 2017 with the order from YSD.
	e) Maintenance	Block 112A, 112B, 112C, 112D, 112E, 112F, 113B, 113D, 116B, 116C, 116D, 116E, 116F, 117A, 117B, 117C, 117D, 117E, 117F, 117G, 118A, 118B, 118C, 118D Bt Pilon FR	5001	2,638.80	2,273.30	1,624.87	1,665.44	8,202.41	164%	Executed by Sime Darby's contractor (Segama Frontier & Jaya Suria)
	f) Nursery management	Cpt 116, Bt Pilon FR	40,000 seedlings	6,736.00	15,637.00	15,717.00	14,069.00	52,159.00	130%	Raised and grown by Pemborong Teguh
	TOTAL									
11	VJR Merisuli Restoration									
	a) Maintenance	VJR Merisuli (Block 1, 2 & 4)	80	0	0	0	0	0	0%	KIV due to funding constraint
	TOTAL		80	0	0	0	0	0	0%	
12	INFAPRO									
	Contract 9	Ulu Segama FR								
	a) Road Maintenance		Meter					8200	8200	#VALUE!
	b) Boundary Checking (Security)			C9 Boundry Checking				0	0	#DIV/0!
	c) R&D activities						on site disc with UMS researchers			
	FERN	Ulu Segama FR								
	a) Road maintenance							0	0	#DIV/0!
	Contract 8	Ulu Segama FR						0	0	#DIV/0!
	a) Climber cutting- Round 2							0	0	#DIV/0!
	b) Liberation thinning							0	0	#DIV/0!
	c) Census- Round 2 After Supply							0	0	#DIV/0!
	e) Re Supply 3rd							0	0	#DIV/0!
	e) Road Maintenance							0	0	#DIV/0!
	f) Up keep & maintenance- Round 2							0	0	#DIV/0!
	Contract 7	Ulu Segama FR						0	0	#DIV/0!
	a) Climber cutting- Round 2							0	0	#DIV/0!
	b) Liberation thinning							0	0	#DIV/0!
	c) Census- Round 2 After Supply							0	0	#DIV/0!
	d) Up keep & maintenance- Round 2							0	0	#DIV/0!
	e) Re Supply 3rd							0	0	#DIV/0!
	f) Road Maintenance							0	0	#DIV/0!
	Contract 6	Ulu Segama FR								
	a) Climber cutting- Round 2							0	0	#DIV/0!
	b) Liberation thinning							0	0	#DIV/0!
	c) Up keep & maintenance- Round 3& 4							0	0	#DIV/0!
	d) Census- Round 2							0	0	#DIV/0!
	e) Re Supply							0	0	#DIV/0!
	f) Road Maintenance							0	0	#DIV/0!
	Contract 5A, 5B, 5C	Ulu Segama FR								
	a) Climber Cutting - R2							0	0	#DIV/0!
	b) Up keep & maintenance							0	0	#DIV/0!
	c) Census R 2							0	0	#DIV/0!
	d) ReSupply Hybrid							0	0	#DIV/0!
	e) Liberation Thining							0	0	#DIV/0!
	f) Road Maintenance							0	0	#DIV/0!
	a) Boundary Checking (Security)			Bole River		Bole River		0	0	#DIV/0!
	Contract 4	Ulu Segama FR								
	a) Liberation Thining									
	b) Climber Cutting - R2									
	c) Census 10 yrs after planting					On going				
	d) Road Maintenance									
	e) Up keep & maintenance (C4B 81 52)				200			200		
	f) Boundary Checking (Security)			Segama River	Segama River			0	0	#DIV/0!
	Contract 3A, 3B, 3C	Ulu Segama FR								
	a) Road Maintenance		Meter	2140	1900			4040	#VALUE!	INFAPRO Team Hitachi/ Backhoe
	b) Boundary Checking (Security)			Segama River				0	#DIV/0!	Infapro Team / Menggunakan Perahu ikut sg Segama
	Contract 1 & 2	Ulu Segama FR								
	a) Road Maintenance		Meter	50	2200	530	1050	3830	#VALUE!	INFAPRO / Backhoe
	b) Boundry Maintenance			Bole River	Bole River	Bole River& Segama River	Bole River& Segama River			
	c) Boundary Checking (Security)							0	#DIV/0!	INFAPRO Team / berjalan kaki ikut tepi Sungai bole
	TOTAL									
13	Taliwas Forestry									

NO.	ACTIVITIES	LOCATION / COMPARTMENTS	TARGET	Achievement (ha)				Total (ha)	Percentage (%)	REMARKS
			(ha)	Q1	Q2	Q3	Q4			
	a) To demolish and clean old buildings and to choose timber that is still in good condition for Taliwas use.			20% completed	50% completed	80% completed. The remaining timber remaining for Taliwas and SCCA uses	Waste wood and boards for SCCA use		100%	There are still woods that still need to be used (YS)
	b) Improve camping ground area. Cut trees and roots that can harm visitors.			0	0	0	0		0%	Awaiting approval from the Forest Department (YS)
	c) Updating FRR and Medicinal and Aromatic plots (MEDARO).			0	0	0	0		0%	Waiting for HQ and budget approval (YS)
	d) Improving trail routes and building resting huts (using used wood).			0	30%	0	0		30%	Waiting for HQ and budget approval (YS)
	e) Improve trail paths to waterfalls and lakes			0	50%	0	0		50%	Performed according to current needs (YS)
	TOTAL		0							
14	FOREST REGENERATION RESEARCH (TEAK)									
	a) Maintenance of Teak Plot									Executed by Biotech Sdn Bhd
	a1) Progeny/Provenance Plot, KM 18	Cpt.225 (VJR Sepagaya)		0	0	Slashing and application of herbicide (12 L); collection of branches from selected trees for tissue culture.plant tagging	0		100%	3 times a year
	a2) Comparison of propagation methods Plot, KM 18	Cpt.225 (VJR Sepagaya)		0	0	Slashing and application of herbicide (12 L)	0		100%	
	a3) Perlis Plot KM 13	Cpt. 226 (VJR Sepagaya)		0	0	Slashing and weeding around trees and application of herbicide (9.9 L)	0		100%	
	a7) Nursery/camp KM 13	Cpt.225 (VJR Sepagaya)		0	0	Grass cutting and pruning of trees in the periphery of staff quarter	0		100%	
	TOTAL			0	0	0	0	0	#DIV/0!	
15	Tropical Rainforest Conservation and Research Centre									
	a) PLANNING									
	a1) 10-years Management Plan	Cpt. 121 (VJR Merisuli)	2nd Draft	Nil	Nil	2nd Draft submitted to Sabah Forestry Department, Sustainable Forest Management Unit. for evaluation	3rd Draft of 10-year management plan in progress of preparation to be submit to SFM for review (reformat structure and contain)		50%	3rd Draft prepare to restructure the contain and format according to existing USM Forest Management Plan format
	a2) Boundary Survey, Demarcation	Cpt. 121 (VJR Merisuli)		Boundary Survey completed by Vices Tan Land survey company. Document submitted to Jabatan Tanah dan ukur. Waiting for official document from the Jabatan Tanah dan Ukur Sabah	Nil	Nil	Nil		100%	*RSP application for boundary survey work completed at servayor level and now follow up with Jabatan Tanah Ukur for official boundary plan
	a3) Audit Preparation	Cpt. 121 (VJR Merisuli)			FSC audit completed on 14-15 May 2017 by Dr. Yap Son Kiong	Nil	Nil		100%	Audit completed with proper documentation review by Dr.Yap. Additional structure to accomodate generator set and fuel supply have been build to comply with FSC need.
	b) NURSERY									
	b1) Transplant of seedlings	Cpt. 121 (VJR Merisuli)	3908 Seedling	Nil	Nil	Transplant of Dipterocarp seedling and wild fruiting tree seedling inprogress	Wild fruit transplanted into poly bag from germination bag 51 units,		80%	Transplanting and rearrangement of over grown seedling in progress depending on the weather condition to avoid drought stress after transplant
	b2) Gravel TRLC nursery	Cpt. 121 (VJR Merisuli)		Nil	Nil	Graveling of TRLC Nursery have been revise to replace by polyethylene sheet and weed mat to control weed grow at Nursery A, Nursery B and Nursery D	Poly ethylene sheet replace with UV resistance weed mat to control weed grow and organise seedling stock and census of seedling stocks		80%	Poly Ethylene sheet for gorund cover were replace with heavy duty weed mat to control weed grow. This activity are hold waiting for supplier weed mat product to continue compilition of remaining area at nursery ground.
	b3) Building Nursery C	Cpt. 121 (VJR Merisuli)		Nil	Nil	Nil	Nil		0%	no collection of seed conducted this year. (uncertain flowering and fruiting of Dipeterocarp timber species) the plan to build additional nursery carry forward to 2018.
	c) STAFF QUARTERS	Cpt. 121 (VJR Merisuli)								
	c1) Permanent Staff quaters	Cpt. 121 (VJR Merisuli)	Bachelor quarters with 10 rooms & Family quarters with 4 rooms	Nil	10 unit rooms accomodation quaters completed	Nil	Nil		100%	Hase 2 of Family quartes 4 unit rooms will be carry forward to 2018 due to financial constraint
	c2) Porta cabins for visitor	Cpt. 121 (VJR Merisuli)	4 units	Nil	Nil	Nil	Nil		25%	1 unit of completed cabin needed maintenance and remaining Porta Cabin project have been revised to upgrade into guest house. Construction will be carry forward to 2018
	d) RESTORATION / PLANTING	Cpt. 121 (VJR Merisuli)								

NO.	ACTIVITIES	LOCATION / COMPARTMENTS	TARGET	Achievement (ha)				Total (ha)	Percentage (%)	REMARKS
			(ha)	Q1	Q2	Q3	Q4			
	d1) Seed Survey	Cpt. 121 (VJR Merisuli)	Sabah Forest Resere and Sabah Park Forest	Nil	Nil	Nil	Nil		0%	carry forward to 2018: Dipterocarp survey and seed collection exercise unable to perform because of no flowering and fruiting activity identify around Forest Reserve round Sabah. As for wild fruiting and non-timber tree seed were collected within Merisuli and also request from Forest Research Centre Seed Seksyen.
	d2) Seed Collection	Cpt. 121 (VJR Merisuli)	10 000 seeds	Nil	Nil	Nil	Nil		0%	carry forward to 2018: Dipterocarp survey and seed collection exercise unable to perform because of no flowering and fruiting activity identify around Forest Reserve round Sabah. As for wild fruiting and non-timber tree seed were collected within Merisuli and also request from Forest Research Centre Seed Seksyen.
	d3) Census of 2016 planted tree	Cpt. 121 (VJR Merisuli)	3 plots & 3313 program	1st census 2 plot conducted with Raleigh Volunteer	Nil	2nd census 2 plot conducted with Raleigh Volunteer	3rd Census of remaining plot completed by TRCRC staff		100%	Census activity on planted tree completed for 2017.
	d4) Mentenace of planted area	Cpt. 121 (VJR Merisuli)	3 plots & 3313 program	Nil	Nil	All plot mentainence completed	Nil		100%	Mentainance of planted plot completed and will be repeat every 3 months
	d5) New Plot & Boundary	Cpt. 121 (VJR Merisuli)	11 plots	completed 3 plots (8.198 Hec)	Completed 2 plot (3.103 Hec)	completed 3 plots (2.856)	completed 3 plots (1.762)	14.157 Hec	100%	Plot planting opening completed for 2017
	d6) Planting	Cpt. 121 (VJR Merisuli)	3313 planting / plot planting	Nil	Nil	3313 additional line planting completed	opened 11 plots planted by TRCRC staff		100%	Plot planting for living collection sucessfully planted with 10% of mixed planteing of wild fruits seedling
	e) PROJECT ASSESSMENT, MEETINGS AND REPORTING	Cpt. 121 (VJR Merisuli)								
	e1) Steering Committee meeting	Cpt. 121 (VJR Merisuli)		Steering comitee meeting 2017 with TRCRC Board of Director with Chief Conservator of Sabah Forestry Department	Nil	Nil	Nil		100%	Steering committee meeting 2017 have with conducted to discuss 2016 achievement and annual 2017 planning
	e2) AWP 2017	Cpt. 121 (VJR Merisuli)		Nil	1st quarter report submitted	2nd quarter report submitted	3r quarter report submitted, 4th quarterare in progress of compiling and review by operation manager & executive director for submission		75%	4th quarter report will be submitted upon review by operation manager & executive director
	f) PROGRAMS	Cpt. 121 (VJR Merisuli)								
	f1) Raleigh international (colunteer program	Cpt. 121 (VJR Merisuli)		1st expedition 2 phases volunteer completed	Nil	2nd expedition 2 phases volunteer completed	Nil		100%	Raleigh Complition of volunteering program for 2017 with complition of 2 units compost toilet structure
16	Sabah Biodiversity Experimental Area									
	Restoration									
	a) Seedling Monitoring [re-measure]			nil	nil	in progress (monitoring)	monitoring in progress		80%	
	b) Silviculture	Cpt. 85 (Malua FR)	Plot 65-75, 40ha	nil	6 plots (200m x 200m)	nil	none		100%	
	c) Planting			nil	nil	nil	none		0%	
	d) Maintenance Planting Lines	Cpt. 85, Malua Fr	105 plots	plot 1-plot 23	plots 23-plots 33	Plot 34 - Plot 48	in progress	92 ha	50%	
	e) Shade house & Nursery	SBE, Cpt. 85	-	Monitoring	Monitoring	nil	none		100%	
	Research Program									
	a) Ants Project (Mickal Houadria)	SBE, Cpt. 85	15 plots (15m x 15m)	completed	Monitoring	in progress (monitoring)	monitoring in progress		100%	
	b) Sensor Project (Siew Ean/Benny), small mammals tr	SBE (Cpt. 85), BRL sites	3 plots	completed	nil	nil	none		100%	
	c) Revised plot D11-D20 (Christopher Philipson	Takala Camp	10 plots (30m radius)	completed	nil	nil	none		100%	
	d) Drout (Dr. Mikie O'brain)	SBE, Cpt. 85		completed	Monitoring	in progress (monitoring)	monitoring in progress		100%	
	e) Climber cutting (re-measure), Dr. Mikie O'brain	SBE, Cpt. 85	22 plots (200m x 200m)	-	22 plots in total	nil	none		100%	
	TOTAL		0							
17	Menara Kayangan Eco Tourism									
	(a) Visitors		25,000 visitors	8,341	7790	6985	6348	29,464	118%	Revenue: RM 117,091.00 (Jan-Dec 2016)
	TOTAL							29,464		
18	CERTIFICATION									
	a) FSC Forest Re-Certification Assessment		2nd quarter	Nil	May-17	Nil	Nil		100%	Surveillance was done by SCS
	TOTAL									
19	Occupational Health & Safety									
	a) Procurement New PPE	Safety Helmet Raincoat Safety Boot	80	40	40	0	0	80	100%	
	b) Fire extinguisher	9 Kg ,5 Kg & 1Kg	60	60	0	0	0	60	100%	Executed by SFD
	c) Training	FSC & KKP	4	1	1	1	1	4	100%	
	TOTAL									
20	Borneo Rhino Sanctuary Danum Valley									
	(a) Infrastructure (Enclosure)	Cpt 423 (Ulu Segama FR)	Every quarter	Maintenance of building	Maintenance of building	Maintenance of building	Maintenance of building	4	100%	Executed by Borneo Rhino Alliance team and Sabah Wildlife Department

NO.	ACTIVITIES	LOCATION / COMPARTMENTS	TARGET	Achievement (ha)				Total (ha)	Percentage (%)	REMARKS
			(ha)	Q1	Q2	Q3	Q4			