MONITORING AND ACTIVITIES SUMMARY

Reference Year 2015

Floresta Nacional Saraca-Taquera National Park
Forest Management Unit IB

SAMISE Woods LTD

SAMISE
FLORESTAL

Introduction

This summary contains qualitative and quantitative technical information related to the activities of the Sustainable Forest Management Project (Portuguese PMFS), licensed by the Brazilian Institute of Environment and Renewable Natural Resources (Portuguese IBAMA), under development in the Forest Management Unit IB (UMF IB) of Saracá-Taquera National Park, according to the Annual Operational Plan (Portuguese POA) authorized by the Forest Exploration Authorization (Portuguese AUTEX), number **1500.2.2015.00005.**

This PMFS is based under the forest concession and exploration agreement established by the Brazilian Forest Services, through the national public contest 02/2012 in Saracá-Taquera National Park, in the town of Holy Land, State of Pará, northern Brazil.

1. GENERAL INFORMATION – OWNER

1.1. Solicitor/Proponent/Owner	SAMISE Woods LTD
1.2. Business Registration	
1.3. Business Developer	Eng. Florestal: Rodrigo Montezano Cardoso
1.4. Business License Number	095.773.187-62
1.5. Environmental License Number	200607303-6/RJ

2. FOREST MANAGEMENT PLAN INFORMATION

2.1. Identification	UMF IB – Saraca-Taquera National Park
2.2. PMFS registration number	02018.003114/2015-51
2.3. Identification issuance date	06/06/2015
2.4. POA identification number	02018.004109/2015-66
2.5. Year of POA	2015
2.6. AUTEX number (approval licence)	**1500.2.2015.00005**
2.7. Current management area	47.526,00 há
2.8. Annual licensed production area	1.989,970
2.9. Holder	Pública Federal – Concessão Florestal

3. POA´S SUMMARY OF THE YEAR´S ACTIVITIES

Areas´s pre-exploration activities – Area´s exploration activities – Area´s post-exploration activities

ACTIVITIES	FORECAST	PERFORMED	NO UPA/YEAR
Work Safety	The company follows the NR31 rules which is responsible for the worker´s health and security in the agriculture industry, cattle silviculture, forest exploration as well as water management.	According to paragraph 31.6.11 of NR31, which regulates services specialized in rural worker´s health and security, there is a satisfactory distribution of SESTR qualified professionals which match the number of workers needed within the company. Although it is not a requirement, the company has a Safety Manager on duty 24/7.	1 / 2015
Camp´s infrastructure	Assembly of lodging, warehouse, cafeteria, toilets, pantry, kitchen, office and service areas.	In 2015, the company assembled 48 containers for the following purposes: • 28 containers for lodging of the operational staff and Technicians • 1 container for women´s lodging • 2 containers for men´s toilet • 1 container for the women´s toilet • 4 containers for the cafeteria • 3 containers for the pantry and kitchen • 3 containers for the service area • 2 containers for the office • 4 containers for the warehouse	1 / 2015
UTs limitation	Limitation of 20 UTs	Twenty work units.	1 / 2015
Inventory (100%)	Inventory of 1.989,97ha	Inventory of 1.989,97ha	1 / 2015
Microzoning	Microzoning of 1.989,97ha	Microzoning of 1.989,97ha	1 / 2015
Vine cutting	Cutting of tree vines in na unexplored area of 1.898,97ha.hectares	Cutting of tree vines in na área of 1.898,97ha in an unexplored área.	1 / 2015

Access infrastructure and storage	Construction of 11,42km of main roads within the UPA, construction of 29,64km of side roads and the construction of 104 storage terraces within the UT.	Construction of 5,94km (3,69mi) of main roads within the UPA Construction of 31,98km (19,8mi) of side (service) roads Construction of 134 UT stock terraces (warehouses) Construction of 127,63km (79,3mi) of dragging trails	1 / 2015
Tree harvest	The AUTEX file estimated a harvest volume of 47.233,96m3 of logs.	The total number of trees harvested in 2015 corresponds to 28.597,03m³.	1/ 2015
Dragging	Dragging of 1.989,97 ha	Dragging of 1.989,97ha in 2015	1 / 2015
Terrace operation	The filing and delivery of wood was performed in 104 storage terraces	The filing and delivery of wood was performed in 134 storage terraces.	1 / 2015
Forest conservation	• Construction of a police (safety) checkpoint • Government inspection • Fire Prevention Plan	The company has a Forest Conservation Plan created based on the Regulation SFB No.24/2014 presented by SFB on April 28th 2015. However, modifications were required and re-submitted on July 29th 2015. We are currently awaiting notification from SFB.	1/ 2015
Forest growth monitoring	Construction and monitoring of five (5) permanent allotments	Assembly and measurement of eight permanent allotment.	1 / 2015
Infrastructure maintenance	• Maintenance of both main and side roads after the exploration activities are completed. • Cleaning services of UTs (unit) warehouses.	Maintenance begins on June 2016 at the end of the rainy season and prior to the beginning of the area exploration activity.	1 / 2015

Transport	Production transport from 20 UTs (units).	Transport of goods produced at the 20 UTs	1 / 2015
Data gathering to adjust volume equation	Field data collect	Because this was the first year of the area exploration activity, we did not use the scientific volume equation in the area.	1 / 2015
Damage evaluation and other scientific studies	Demage prevention review	We will collect data to evaluate potential demage in the last six to twelve months of activities at UPA 1/2015.	1 / 2015

4. MACHINERY AND OPERATIONAL STAFF

ACTIVITIES	**Description of activities:** the activities that demand staff and equipments/machinery are shown on this and previous pages.	
	Machinery/equipments	**Operational staff**
Work safety	Helmets, boots, machete, ear protection, fire extinguisher, etc.	One safety Manager and one operations Coordinator
Limitation of UTs, inventory at 100% and vine cutting	GPS, machete, mapping software, board, registration cards, tape measure, hammer, etc.	The company´s IF 100% was formed by 18 Collaborators in which we divided them into three groups: one Botanist, one GPS Operator, one boarding man, one register man, one topography Tchnician, one production Supervisor thus totaling 15 workers. The three remaining workers are stand-byers.
Infrastructure	One D6 tractor, one motor grader, one chainsaw.	One D6 tractor Operator, one moto grader Operator, one chainsaw Operator, one Collaborator in charge of planing and operating the activities.

Tree harvest	Nine chainsaws, nine sledgehammer, map clipboard, hammer, etc.	Nine chainsaw Operators, nine Assistants, one stand-by Technician.
Dragging	one skidder.	One skidder Operator and one Assistant
Terrace operations	One loader tractor, one chainsaw.	one load tractor, one Painter, one chainsaw Operator, one Tallyman
Forest growth monitoring	One GPS, clipboard for data collecting records.	For this operational stage we used the same IF100% staff
Infrastructure maintenance	Bulldozer, backhoe, motor grader, hoe, shovel.	One loader tractor Operator, one conveyor tractor Operator, one patrolling Driver
Transport	Three trucks, one cart, two loader tractors.	Three truck Drivers, one cart Driver, two loader tractor Drivers, one Collaborator to issue NF and DOF.
Training/orientation	Introduction on Sustainable Forest Management activities and work safety in the exploration area.	one forest Technician, one work safety Manager

5. MONITORING DATA

The monitoring data refer to the following:

- Growth index, regeneration and conditions of the forest (measurement and performance of permanent allotments;
- Composition and changes detected in flora and wildlife (wildlife monitoring).

Because the company started its full operations in 2015, we are currently recording the Exploration Impact data as well as the proceeds from the final product as shown.

I- Forest exploration impact (a comparison between scientific and non-scientific studies)

In order to compare the potential damages in the forest caused by the construction of the infrastructure and the "virtual" reality of the business, we took into consideration the infrastructure of terraces, side roads and log dragging trails as shown below at UPA 01/2015:

Itens	Quantity	Measurement	Area in m²	Area in ha
Terraces	134 un	25 x 25 m	83.750	8,37
Side roads	31,98 km	4,0 m largura	127.920	12,79
Log dragging trails	127,63 km	3,5 m largura	446.705	44,67

According to the data available on Reduced Exploration Impact in the Eastern Amazon Region, Belem: Rain Forest Foundation, 2002, 2ª edition, and considering the current exploration área UPA 1.874,20 há, we have the following:

Itens	Parameters EIR ha/100ha	UPA area (ha)
Terraces	0,63	11,81
Side roads	0,65	12,18
Log dragging trails	3,90	73,09

We verified that the data recorded within the company records match the data found in scientific and non-scientific research, however, the company did not select all trees available for cutting, according to the number of log dragging trails opened for the exploration activity.

II – Forest exploration efficiency.

UT	AREA HÁ		NO OF TREES FORSEEN		EXPLORED		VS / m³		VE / m³		VR / m³		VE / VS	VR / VS	VR / VE
	FORSEEN	EXPLORED	TOTAL	HA	TOTAL	HA	TOTAL	HA	TOTAL	HA	TOTAL	HA	%	%	%
1	**100,08**	**82,54**	**455**	**4,5464**	**195**	**2,3625**	**2.549,1170**	**25,4708**	**730,9943**	**8,8562**	**730,9943**	**8,8562**	**29%**	**29%**	**100%**
2	100,08	90,58	459	4,5863	188	2,0755	1.389,9715	13,8886	696,7506	7,6921	696,7506	7,6921	50%	50%	100%
3	**100,07**	**93,15**	**503**	**5,0265**	**259**	**2,7805**	**2.577,9788**	**25,7618**	**1.340,8181**	**14,3942**	**1.340,8181**	**14,3942**	**52%**	**52%**	**100%**
4	100,07	98,30	453	4,5268	320	3,2553	2.110,1763	21,0870	1.362,5304	13,8609	1.362,5304	13,8609	65%	65%	100%
5	**100,05**	**96,78**	**523**	**5,2274**	**318**	**3,2858**	**1.734,5582**	**17,3369**	**1.202,0399**	**12,4203**	**1.202,0399**	**12,4203**	**69%**	**69%**	**100%**
6	100,05	100,05	705	7,0465	386	3,8581	2.473,5837	24,7235	1.628,1000	16,2729	1.628,1000	16,2729	66%	66%	100%
7	**100,06**	**100,06**	**542**	**5,4167**	**378**	**3,7777**	**2.574,2387**	**25,7270**	**1.583,9013**	**15,8295**	**1.583,9013**	**15,8295**	**62%**	**62%**	**100%**
8	100,06	93,43	603	6,0264	312	3,3394	2.582,9744	25,8143	1.647,3278	17,6317	1.647,3278	17,6317	64%	64%	100%
9	**100,06**	**100,06**	**593**	**5,9264**	**287**	**2,8683**	**2.583,2193**	**25,8167**	**1.569,7613**	**15,6882**	**1.569,7613**	**15,6882**	**61%**	**61%**	**100%**
10	100,06	94,52	559	5,5866	246	2,6026	2.580,3364	25,7879	1.234,0365	13,0558	1.234,0365	13,0558	48%	48%	100%
11	**100,10**	**82,67**	**477**	**4,7652**	**202**	**2,4434**	**2.214,8459**	**22,1263**	**935,7487**	**11,3191**	**935,7487**	**11,3191**	**42%**	**42%**	**100%**
12	100,10	100,10	513	5,1249	434	4,3357	2.584,5970	25,8201	2.168,2109	21,6604	2.168,2109	21,6604	84%	84%	100%
13	**100,10**	**100,10**	**423**	**4,2258**	**333**	**3,3267**	**2.584,2385**	**25,8166**	**2.424,6502**	**24,2223**	**2.424,6502**	**24,2223**	**94%**	**94%**	**100%**
14	100,10	89,54	472	4,7153	311	3,4733	2.583,0213	25,8044	1.939,6766	21,6627	1.939,6766	21,6627	75%	75%	100%
15	**100,10**	**93,85**	**667**	**6,6633**	**301**	**3,2072**	**2.533,0494**	**25,3052**	**1.220,6845**	**13,0068**	**1.220,6845**	**13,0068**	**48%**	**48%**	**100%**
16	97,72	90,19	547	5,5976	308	3,4150	1.958,6039	20,0430	1.353,0817	15,0026	1.353,0817	15,0026	69%	69%	100%
17	**97,74**	**89,36**	**497**	**5,0849**	**291**	**3,2565**	**2.524,9595**	**25,8334**	**1.690,8399**	**18,9217**	**1.690,8399**	**18,9217**	**67%**	**67%**	**100%**
18	97,77	96,18	467	4,7765	320	3,3271	2.524,1543	25,8173	1.559,2006	16,2113	1.559,2006	16,2113	62%	62%	100%
19	**97,79**	**90,60**	**636**	**6,5037**	**376**	**4,1501**	**2.528,1061**	**25,8524**	**1.684,3120**	**18,5906**	**1.684,3120**	**18,5906**	**67%**	**67%**	**100%**
20	97,81	92,14	451	4,6110	146	1,5845	2.042,2310	20,8796	624,3642	6,7763	624,3642	6,7763	31%	31%	100%
TOTAL	**1.989,97**	**1.874,20**	**10.545**	**5,2991**	**5.911**	**3,1539**	**47.233,961**	**23,7360**	**28.597,030**	**15,2583**	**28.597,030**	**15,2583**	**61%**	**61%**	**100%**

Analyzed parameters: Current exploration área (há), explored volume (m³ and m³/há), number of trees explored (n and n/ha), weighed volume (m3 and m3/há) – Selected volume for cutting (VS), explored volume (VE), weighed volume (VR), VE/VS (%), VR/VS (%) and VR/VE (%).