

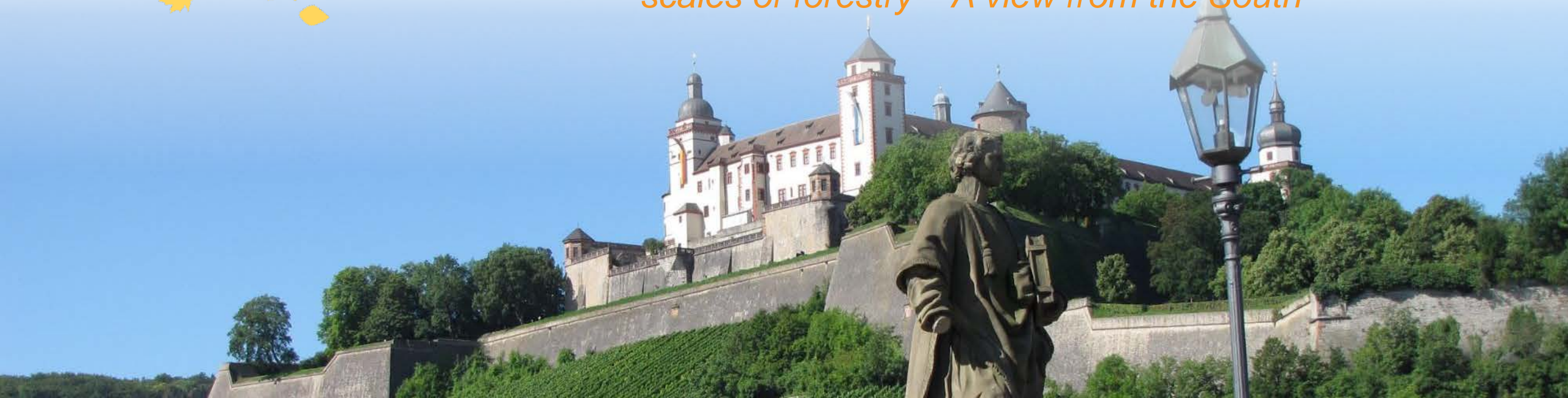


20 YEARS
CARING FOR
OUR FORESTS

A Value-based platform for sustainable forest management and certification



*A landscape approach for effective certification for all
scales of forestry – A view from the South*

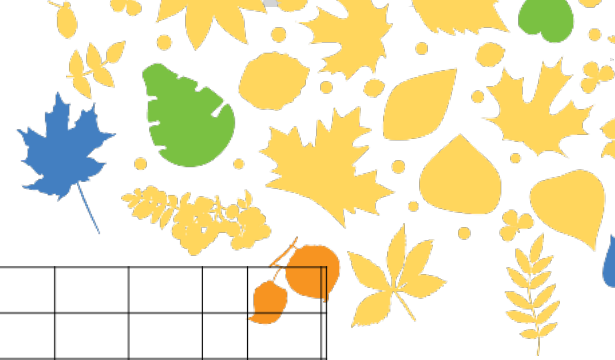




20 YEARS
CARING FOR
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Value-based Platform

Identify values



VALUES	SDGS																										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Biodiversity	15	15	15												15												
Landscape-level ecosystems	13	13	13	12	12	12	14																				
Ecological integrity (Conservation zones)	12	12	12	11	11	11	12	12	12	11	12																
Recreation/Aesthetic values	6	6	6	8	6	6	6	11	7	6	6	11	11	11	1	1	3	5	3	1	8	6	10	10	11	16	
Water quality																											
Water supply (quantity)																											
Soil Retention																											
Local climate and air quality																											
Carbon storage and the carbon cycle																											
Water use locally																											
Grazing																											
Archaeological and historical sites																											
Recognition of indigenous people																											
Indigenous knowledge																											
Opportunities for employment																											
Economic development																											
Community harmony																											
Fundamental rights at work																											
H&S																											
Fair Wages																											
Work performance																											
Workers accommodation																											
Comfortable working conditions																											
Workplace harmony																											
Reputation																											
Long term productivity of timber																											
Profitability Innovation																											

Value-based Platform



SET UP [The same for all operations]
IDENTIFY VALUES
ECONOMIC
BIODIVERSITY
ECOLOGICAL
COMMUNITY
WORKPLACE
MANAGEMENT ACTIVITIES
PLANNING
HARVESTING
FIRE PROTECTION
PLANTING
IDENTIFY RISKS
LOSS OF BIODIVERSITY
SOIL EROSION
LOSS PRODUCTIVITY
PESTS AND DISEASES



RISK ASSESSMENT
PHASE 1 INTRINSIC RISK = SCALE
GIS AND REMOTE SOURCES
BIODIVERSITY MAPS
SOIL SENSITIVITY
SITE POTENTIAL
DROUGHT RISK
DISEASE RISK
RISK TO WATER RESOURCES
DIRECT SOURCES
USE OF CONTRACTORS
HARVESTING SYSTEMS
FOREST PRODUCTS
CULTURAL SITES
SPECIES SURVEYS



RISK ASSESSMENT
PHASE 2 MANAGEMENT = PROBABILITY
AUDIT AGAINST STANDARD REQUIREMENTS
LEVEL OF COMPLIANCE IS RATED
SCALE X PROBABILITY = RISK RATING
RISK RANKING = PRIORITIZATION
HIGH RISK
MODERATE RISK
LOW RISK
NEGLIGIBLE RISK
PHASE 3 REPORTING
COMPLIANCE AGAINST STANDARD
ROOT-CAUSE ANALYSIS
STRATEGIC PLANNING SUPPORT



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Ranking of Risks

41	Financial security	Timber Theft	loss of revenue	Rate the effectiveness of systems to prevent timber theft:	5.0	3.0	3.0	3.0
49	Employment	Outsourcing	Impacts of delayed	Rate the effectiveness of systems to monitor contractor compliance:	3.0	3.0	3.0	3.0
37	Establishment	Timeous establishment	Impacts of delayed	Harvested timber areas are re-established within a year of felling unless the area is below rehabilitated to natural	3.0	3.0	4.0	3.0
41	Establishment	Controlling the quality of	Poor quality silviculture	Rate the quality of silviculture	3.5	3.0	4.0	3.0
13	Financial security	Sales and yield	Loss of revenue	Wade are in line with agreed with site conditions:	4.4	3.0	2.0	3.0
47	Plantation protection	Flooding	Damage to infrastructure	1 = The transport network (roads, stream crossings, dams) is very well designed and maintained to withstand flood	3.2	3.0	3.0	3.0
34	Employment	Timber wastage	Untrained workers less	Workers are aware of hazards in the workplace and are trained on safe work procedures in compliance with the national	3.0	3.0	3.0	3.0
12	Financial security	loss of revenue	public credibility	Rate the effectiveness of your management to meet and maintain certification standards:	3.0	3.0	3.0	3.0
64	Conservation	Control of invasive alien	Failure to control alien	Percentage of conservation zones in maintenance phase by area:	2.5	3.0	3.0	3.0
18	Community relations	Contribution to local socio-		Assess the contribution made in local economic development through joint activities with the community:	3.4	3.0	2.0	13.7
10	Financial security	Protection against corruption	Impacts of corruption:	Rate the effectiveness of systems to prevent corruption:	4.3	3.0	3.0	13.0
35	Establishment	Residue management	Burning of plantations	0 = no burning of residues	3.2	3.0	3.0	12.4
17	Community relations	Consultation with community	Injury	Assess the state of community relations in light of the following:	3.4	3.0	2.0	12.4
29	Employment	Direct Employment	injury	Rate the effectiveness of your health and safety systems to prevent injuries in the workplace – Time Lost Time Injury	3.0	3.0	2.0	12.0
49	Fire management	Prepare tracer belts	soil	Method to prepare tracer belts:	3.2	3.0	3.0	11.9
50	Fire management	Prepare tracer belts	harmine non-target	0 = no pesticides used	3.0	3.0	3.0	11.7
4	legality, Planning and	Implementation of Planning	Impact of poor planning	The management planning system:	4.3	3.0	2.0	11.3
48	Plantation protection	hunting, fishing trapping	loss of biodiversity	Measures are implemented to provide protection from illegal hunting, fishing, trapping:	2.5	3.0	3.0	11.3
65	Conservation	Controlled burning of fire-	incorrect burning leads	A fire management plan for natural ecosystems guided by the best available information is implemented:	2.5	3.0	3.0	11.3
68	Conservation	Specific conservation		5.3 = The presence of likely presence of listed threatened or protected species (TOPS) and their habitats occurring	4.4	3.0	2.0	10.8
21	Employment	Contractors	Impacts of lack of	1 = Workers are able to negotiate their conditions of employment through:	3.0	3.0	2.0	10.8
23	Employment	Contractors	Impacts of lack of	Assess the effectiveness of the dispute resolution process:	3.0	3.0	2.0	10.8
25	Employment	Contractors	Impacts of lack of	1 = There are no reports or evidence for sexual harassment and/or bullying	4.3	3.0	2.0	10.4
9	Financial security	Maintenance of even	lack of sustainable	1 = Age class distribution even within 10% tolerance	4.4	3.0	2.0	10.3
16	Community relations	Managing disputes within	Impacts of inadequate	There is a formal dispute resolution process for the following situations:	3.4	3.0	2.0	10.3
32	Employment	Contractors	Impact on workers of	There is no evidence of non-compliance with the Employment Equity Act (Act No. 55, 1998)	3.0	3.0	2.0	10.2
33	Employment	Direct employment	Untrained workers less	Workers are aware of hazards in the workplace and are trained on safe work procedures in compliance with the national	3.0	3.0	2.0	10.2
37	Harvesting	Extraction	soil	Soil erosion is minimised through the use of forest management systems which are appropriate to the slope, soil	3.2	3.0	2.0	10.2
66	Conservation	Grazing management	Poorly managed grazing	Grass and livestock and wildlife populations shall be managed to prevent degradation of the natural habitat	3.2	3.0	2.0	10.0
54	Harvesting	Felling	physical disturbance of	Damage to conservation zones should be avoided during harvestine. When damage occurs it must be repaired:	5.0	3.0	2.0	10.0
56	Harvesting	Felling	soil compaction	Soil compaction is minimised through the use of forest management systems which are appropriate to the slope, soil	5.0	3.0	2.0	10.0
58	Harvesting	Extraction	soil compaction	Soil compaction is minimised through the use of forest management systems which are appropriate to the slope, soil	5.0	3.0	2.0	10.0
60	Harvesting	Stacking & loading	soil compaction	Soil compaction is minimised through the use of forest management systems which are appropriate to the slope, soil	5.0	3.0	2.0	10.0
55	Harvesting	Felling	soil	Soil erosion is minimised through the use of forest management systems which are appropriate to the slope, soil	3.2	3.0	2.0	9.6
43	Plantation protection	Disease and pests spread	Reduction in	The error rates have been taken to manage the threat of disease:	3.7	3.0	1.0	9.6
30	Employment	Contractors	injury	Rate the effectiveness of your health and safety systems to prevent injuries in the workplace – Time Lost Time Injury	3.0	3.0	3.0	9.0
45	Plantation protection	Use of nutrients	Reduction in soil fertility	1 = no indication that weeds are decreasing	3.0	3.0	3.0	9.0
53	Fire management	Protecting firebreaks	Impacts on biodiversity	A fire management plan for natural ecosystems guided by the best available information is implemented:	2.5	3.0	3.0	8.8
75	Estate Management	Disposal of waste	environmental pollution	Waste disposal sites, on the management of chemical stores	4.3	3.0	2.0	8.7
77	Estate Management	Chemical store management	chemical pollution loss	Rate the effectiveness of the management of chemical stores	4.3	3.0	2.0	8.7
46	Plantation protection	Damage to plantations by	Reduction in	Rate the effectiveness of the systems to protect plantations from damage causing animals:	2.0	3.0	3.0	8.4
44	Plantation protection	Uncontrolled fires	Financial loss	Rate the effectiveness of the fire prevention systems:	3.2	3.0	2.0	8.3
69	Conservation	Protection of sites of special	loss of cultural heritage	2.4.1 Sites of cultural, ecological, recreational, historical, aesthetic and spiritual significance are identified and protected	4.3	3.0	2.0	8.0
59	Harvesting	Stacking & loading	soil	Soil erosion is minimised through the use of forest management systems which are appropriate to the slope, soil	3.2	3.0	2.0	7.6
3	legality, Planning and	Establishing security of tenure	Impact of insecure	Legal tenure is demonstrated through the deeds or lease agreements. For Tribal Authorities see guidance in	4.0	3.0	1.0	7.6
2	legality, Planning and	Species/hybrid choice	Incorrect choice can	The key factors guiding species and genotype choice should be: a) the objectives of the plantation, b) the climate and c)	2.0	3.0	2.0	6.8
15	Community relations	Provision of employment	High levels of	When making decisions regarding the use of contractors, manual labour or machines to do forestry work:	3.4	3.0	1.0	6.2
26	Employment	Choose work systems	Impact job losses	When making decisions regarding the use of contractors, manual labour or machines to do forestry work:	3.4	3.0	1.0	6.0
71	Conservation	Spread of plantation species	loss of biodiversity and	5.2.1 The organization has determined if the species they intend to grow or are growing are known to be invasive, and if	5.0	3.0	1.0	6.0
28	Employment	Contractors	Impacts of inadequate	Workers are supervised to ensure they implement their tasks safely and effectively.	3.0	3.0	1.0	5.7
19	Estate Management	Road maintenance	Erosion, sedimentation,	4.1.3 Development, maintenance and use of infrastructure, as well as transport activities, are managed to protect	3.2	3.0	1.0	5.4
67	Conservation	Avoidance or mitigation		Eroded areas in conservation zones are rehabilitated and interventions monitored and adapted to ensure effectiveness	3.2	3.0	1.0	5.4
20	Employment	Direct Employment	Impacts of lack of	1 = Workers are able to negotiate their conditions of employment through:	3.0	3.0	1.0	5.4
22	Employment	Direct Employment	Impacts of lack of	Assess the effectiveness of the dispute resolution process:	3.0	3.0	1.0	5.4
39	Establishment	Pesticide use	harmine non-target	0 = no pesticides used	3.0	3.0	1.0	5.4
72	Conservation	Control of damage causing	Inhumane treatment of	Where damage causing animals (e.g. baboons, huchnies, antelope & rodents) pose a significant threat to the	4.0	3.0	1.0	5.4
73	Conservation	Stream flow reduction	Stream flow reduction	Rate the effectiveness of measures to prevent or mitigate impact of stream flow reduction on neighbouring lands:	3.3	3.0	1.0	5.3
8	Financial security	Costs management	Impact of inadequate	To what extent are the drivers of the costs of production understood and the relevant aspects monitored including:	3.3	3.0	1.0	5.2
14	Financial security	Assurance of market	Decreased income	1 = Market secured for the vast majority of all timber produced for the foreseeable future	3.0	3.0	1.0	5.1
24	Employment	Direct Employment	Impacts of inadequate	1 = There are no reports or evidence for sexual harassment and/or bullying	3.0	3.0	1.0	5.1
27	Employment	Direct Employment	Impacts of inadequate	Workers are supervised to ensure they implement their tasks safely and effectively.	3.0	3.0	1.0	5.0
63	Harvesting	Timber transport	disturbing the peace	Operations are planned and managed to prevent adverse off-site environmental impacts, including impacts to	5.0	3.0	1.0	5.0
52	Fire management	Prepare firebreaks	soil	Soil erosion is minimised through the use of forest management systems which are appropriate to the slope, soil	2.0	3.0	1.0	4.0
1	legality, Planning and	Compliance with legal	Impact of illegal	Compliance with the National Water Act (Act No. 36 of 1998) (NWA)	2.0	3.0	1.0	4.0
2	legality, Planning and	Compliance with other	Impact of illegal	Substantiated outstanding claims of legal non-compliance related to plantation management raised by regulatory	2.0	3.0	1.0	4.0
31	Employment	Direct Employment	Impact on workers of	There is no evidence of non-compliance with the Employment Equity Act (Act No. 55, 1998).	3.0	3.0	1.0	3.9
36	Establishment	Cultivation and planting	eutrophication - poor	Soil erosion is minimised through the use of forest management systems which are appropriate to the slope, soil	3.2	3.0	1.0	3.8
38	Establishment	Fertilising	eutrophication - poor	0 = No use of fertiliser	3.0	3.0	1.0	3.6
40	Establishment	Weedline, Herbicide use	harmine non-target	1 = no pesticides used	3.0	3.0	1.0	3.6
5	legality, Planning and	System for tracking and	inability to prove origin	A system is implemented to track and trace all products that are marketed as certified including information about all	2.0	3.0	0.0	0.0
6	legality, Planning and	Maintain certification	loss of markets	Rate the effectiveness of your management to meet and maintain certification standards:	0.0	3.0	3.0	0.0
51	Fire management	Under canopy burning to	soil	Soil erosion is minimised through the use of forest management systems which are appropriate to the slope, soil	3.2	3.0	0.0	0.0
61	Harvesting	Infield processing	soil	Soil erosion is minimised through the use of forest management systems which are appropriate to the slope, soil	5.0	3.0	0.0	0.0
70	Harvesting	Infield processing	soil compaction	Soil compaction is minimised through the use of forest management systems which are appropriate to the slope, soil	5.0	3.0	0.0	0.0
62	Conservation	Protection of traditional	loss of traditional	Rate the effectiveness of efforts to protect traditional knowledge:	0.0	3.0	0.0	0.0
74	Estate Management	Maintaining acceptable	poor living conditions	Rate the quality and condition of worker accommodation and associated services in relation to minimum housing	3.0	3.0	0.0	0.0
78	Processing	Pole treatment	chemical pollution	Operations are planned and managed to prevent adverse off-site environmental impacts, including impacts to	0.0	3.0	1.0	0.0
79	Processing	Sawmilling	solid waste pollution	Rate the effectiveness of measures to prevent and mitigate pollution:	0.0	3.0	1.0	0.0
80	Processing	Sawmill	poor air quality	Rate the effectiveness of measures to prevent and mitigate pollution:	0.0	3.0	1.0	0.0
81	Processing	Charcoal production	poor air quality	Rate the effectiveness of measures to prevent and mitigate pollution:	0.0	3.0	1.0	0.0
82	Nursery management	Water use	Stream flow reduction	Rate the effectiveness of measures to prevent or mitigate impact of stream flow reduction on neighbouring lands:	0.0	3.0	1.0	0.0
83	Nursery management	Waste disposal	environmental pollution	Rate the effectiveness of measures to prevent and mitigate pollution:	0.0	3.0	1.0	0.0
84	Nursery management	Pesticide use	harmine non-target	0 = no pesticides used	3.0	3.0	0.0	0.0
85	Nursery management	Fertilising	eutrophication - poor	Rate the effectiveness of the safeguards to prevent impacts of fertilisers:	0.0	3.0	0.0	0.0
86	Nursery management	Composting Bark	leachate pollution - poor	Rate the effectiveness of the safeguards to prevent impacts of leachate pollution:	0.0	3.0	0.0	0.0

KEY TO RISK ASSESSMENT

	High Risk
	Moderate Risk
	Low Risk
	Insignificant Risk
	Irrelevant

Mixed farming landscape

50 ha mixed farmer



Checklist
12 indicators
0 high risk
5 mod risk
7 low risk

PROBABILITY	50 ha mixed farmer	Score	W	P	Prevalence	Risk
E1.1.1.1	Rate the effectiveness of systems to prevent timber	2.0	1.0	1.0	1.0	1.0
E1.1.1.2	Rate the effectiveness of the fire prevention systems	2.0	1.0	1.0	1.0	1.0
E1.1.1.3	0 = no pesticides used	3.0	1.0	1.0	1.0	1.0
E1.1.1.4	Measure are implemented to provide protection from	2.5	1.0	1.0	1.0	1.0
E1.1.1.5	A fire management plan for natural ecosystems guided by	2.5	1.0	1.0	1.0	1.0
E1.1.1.6	The agreed steps have been taken to manage the threat of	2.5	1.0	1.0	1.0	1.0
E1.1.1.7	Rate the effectiveness of the systems to protect	2.0	1.0	1.0	1.0	1.0
E1.1.1.8	2.4.3 Sites of cultural, ecological, recreational, historical,	1.3	1.0	1.0	1.0	1.0
E1.1.1.9	Assess the contribution made to local economic	3.4	1.0	1.0	1.0	1.0
E1.1.1.10	The key factors guiding species and genotype choice should	2.0	1.0	1.0	1.0	1.0
E1.1.1.11	Assess the state of community relations in light of the	3.4	1.0	1.0	1.0	1.0
E1.1.1.12	When making decisions regarding the use of contractors,	3.4	1.0	1.0	1.0	1.0
E1.1.1.13	Rate the effectiveness of systems to monitor contractor	3.0	1.0	1.0	1.0	1.0
E1.1.1.14	Rate the effectiveness of your health and safety systems to	3.0	1.0	1.0	1.0	1.0
E1.1.1.15	E2.3 The organization has determined if the species they	1.0	1.0	1.0	1.0	1.0
E1.1.1.16	Workers are supervised to ensure they implement their	3.0	1.0	1.0	1.0	1.0
E1.1.1.17	Rate the effectiveness of your health and safety systems to	3.0	1.0	1.0	1.0	1.0
E1.1.1.18	1 - There are no reports or evidence for sexual	3.0	1.0	1.0	1.0	1.0
E1.1.1.19	Workers are aware of hazards in the workplace and are	3.0	1.0	1.0	1.0	1.0
E1.1.1.20	Workers are aware of hazards in the workplace and are	3.0	1.0	1.0	1.0	1.0
E1.1.1.21	There is no evidence of non-compliance with the	3.0	1.0	1.0	1.0	1.0
E1.1.1.22	1 - Market secured for the vast majority of all timber	3.0	1.0	1.0	1.0	1.0
E1.1.1.23	1 - There are no reports or evidence for sexual	3.0	1.0	1.0	1.0	1.0
E1.1.1.24	Workers are supervised to ensure they implement their	3.0	1.0	1.0	1.0	1.0
E1.1.1.25	Rate the effectiveness of your management to meet and	3.0	1.0	1.0	1.0	1.0
E1.1.1.26	Conditions are planned and managed to prevent adverse	3.0	1.0	1.0	1.0	1.0
E1.1.1.27	Soil compaction & minimized through the use of forest	5.0	1.0	1.0	1.0	5.0
E1.1.1.28	Soil compaction & minimized through the use of forest	5.0	1.0	1.0	1.0	5.0
E1.1.1.29	Soil compaction & minimized through the use of forest	5.0	1.0	1.0	1.0	5.0
E1.1.1.30	Damage to conservation zones should be avoided during	5.0	1.0	1.0	1.0	5.0
E1.1.1.31	Percentage of areas within times to maintenance plan by	2.5	1.0	1.0	1.0	2.5
E1.1.1.32	Rate the quality of silviculture	1.0	1.0	1.0	1.0	1.0
E1.1.1.33	Rate the effectiveness of systems to prevent arthropods	2.5	1.0	1.0	1.0	2.5
E1.1.1.34	Invaded timber areas are re-established within a year of	3.0	1.0	1.0	1.0	3.0
E1.1.1.35	A fire management plan for natural ecosystems guided by	2.5	1.0	1.0	1.0	2.5
E1.1.1.36	0 = no burning of residues	1.1	1.0	1.0	1.0	1.1
E1.1.1.37	Compliance with the National Water Act (Act No. 36 of	3.0	1.0	1.0	1.0	3.0
E1.1.1.38	Substantial evidence of claims of legal non-compliance	3.0	1.0	1.0	1.0	3.0
E1.1.1.39	Method to prepare trace files	1.1	1.0	1.0	1.0	1.1
E1.1.1.40	There is no evidence of non-compliance with the	3.0	1.0	1.0	1.0	3.0
E1.1.1.41	E3.3 The presence or likely presence of affected threatened	2.5	1.0	1.0	1.0	2.5
E1.1.1.42	Assess the effectiveness of the dispute resolution process	3.0	1.0	1.0	1.0	3.0
E1.1.1.43	1 - Workers are able to negotiate their conditions of	3.0	1.0	1.0	1.0	3.0
E1.1.1.44	Assess the effectiveness of the dispute resolution process	3.0	1.0	1.0	1.0	3.0
E1.1.1.45	0 = no pesticides used	3.0	1.0	1.0	1.0	3.0
E1.1.1.46	Where damage-causing animals (e.g. baboons, bush pigs,	3.0	1.0	1.0	1.0	3.0
E1.1.1.47	0 = no use of fertilizers	3.0	1.0	1.0	1.0	3.0
E1.1.1.48	1 = no pesticides used	3.0	1.0	1.0	1.0	3.0
E1.1.1.49	Soil erosion is minimized through the use of forest	3.1	1.0	1.0	1.0	3.1
E1.1.1.50	Grazing by livestock and wildlife populations shall be	3.1	1.0	1.0	1.0	3.1
E1.1.1.51	Soil erosion is minimized through the use of forest	3.1	1.0	1.0	1.0	3.1
E1.1.1.52	Soil erosion is minimized through the use of forest	3.1	1.0	1.0	1.0	3.1
E1.1.1.53	There is a formal dispute resolution process for the	2.0	1.0	1.0	1.0	2.0
E1.1.1.54	1 = no indicators that yields are decreasing	3.0	1.0	1.0	1.0	3.0
E1.1.1.55	Yields are in line with predicted with site conditions	3.0	1.0	1.0	1.0	3.0
E1.1.1.56	1 - Age class distribution even within 10% tolerance	3.0	1.0	1.0	1.0	3.0
E1.1.1.57	Rate the effectiveness of systems to prevent timber	3.0	1.0	1.0	1.0	3.0
E1.1.1.58	Soil erosion is minimized through the use of forest	3.1	1.0	1.0	1.0	3.1
E1.1.1.59	Legibility & demarcated through site visits or lease	1.0	1.0	1.0	1.0	1.0
E1.1.1.60	1 - The transport network (roads, infrastructure, depots)	3.1	1.0	1.0	1.0	3.1
E1.1.1.61	E2.3 Development, maintenance and use of infrastructure,	1.1	1.0	1.0	1.0	1.1
E1.1.1.62	Graded areas in conservation zones are rehabilitated and	1.1	1.0	1.0	1.0	1.1
E1.1.1.63	1 - Workers are able to negotiate their conditions of	3.0	1.0	1.0	1.0	3.0
E1.1.1.64	The management planning system	3.0	1.0	1.0	1.0	3.0
E1.1.1.65	When making decisions regarding the use of contractors,	3.0	1.0	1.0	1.0	3.0
E1.1.1.66	Soil erosion is minimized through the use of forest	3.1	1.0	1.0	1.0	3.1
E1.1.1.67	Waste disposal & how the management comply with	3.0	1.0	1.0	1.0	3.0
E1.1.1.68	Rate the effectiveness of the management of chemical stores	3.0	1.0	1.0	1.0	3.0
E1.1.1.69	Soil erosion is minimized through the use of forest	3.1	1.0	1.0	1.0	3.1
E1.1.1.70	To what extent are the drivers of the costs of production	3.0	1.0	1.0	1.0	3.0
E1.1.1.71	A system is implemented to track and trace all products	3.0	1.0	1.0	1.0	3.0
E1.1.1.72	Rate the effectiveness of your managers to meet and	3.0	1.0	1.0	1.0	3.0
E1.1.1.73	Soil erosion is minimized through the use of forest	3.1	1.0	1.0	1.0	3.1
E1.1.1.74	Soil erosion is minimized through the use of forest	3.1	1.0	1.0	1.0	3.1
E1.1.1.75	Soil compaction & minimized through the use of forest	5.0	1.0	1.0	1.0	5.0
E1.1.1.76	Rate the effectiveness of efforts to protect trade fairs	3.0	1.0	1.0	1.0	3.0
E1.1.1.77	Rate the quality and condition of worker accommodation	3.0	1.0	1.0	1.0	3.0
E1.1.1.78	Operations are planned and managed to prevent adverse	3.0	1.0	1.0	1.0	3.0
E1.1.1.79	Rate the effectiveness of measures to prevent and mitigate	3.0	1.0	1.0	1.0	3.0
E1.1.1.80	Rate the effectiveness of measures to prevent and mitigate	3.0	1.0	1.0	1.0	3.0
E1.1.1.81	Rate the effectiveness of measures to prevent and mitigate	3.0	1.0	1.0	1.0	3.0
E1.1.1.82	Rate the effectiveness of measures to prevent and mitigate	3.0	1.0	1.0	1.0	3.0
E1.1.1.83	Rate the effectiveness of measures to prevent and mitigate	3.0	1.0	1.0	1.0	3.0
E1.1.1.84	0 = no pesticides used	3.0	1.0	1.0	1.0	3.0
E1.1.1.85	Rate the effectiveness of the safeguards to prevent impacts	3.0	1.0	1.0	1.0	3.0
E1.1.1.86	Rate the effectiveness of the safeguards to prevent impacts	3.0	1.0	1.0	1.0	3.0

- high economic importance
- >90% transformed/Low biodiversity
- low potential for ecosystem services
- moderate Impact production systems
- high employment opportunities
- high benefit to local communities.



Communal multifunctional landscape



6000 ha communal landscape

Checklist
19 indicators
 0 high risk
 5 mod risk
 14 low risk

- homesteads, farming, grazing, grasslands, and indigenous forests.
- low production
- low impact operations
- high biodiversity,
- potential for ecosystem services
- multiple benefits for local communities.

PROBABILITY	Indicator	Code	Risk Level				Weight
			Low	Mod	High	Very High	
	1.1.1.1.1.1	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.2	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.3	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.4	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.5	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.6	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.7	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.8	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.9	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.10	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.11	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.12	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.13	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.14	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.15	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.16	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.17	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.18	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.19	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.20	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.21	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.22	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.23	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.24	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.25	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.26	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.27	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.28	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.29	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.30	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.31	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.32	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.33	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.34	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.35	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.36	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.37	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.38	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.39	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.40	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.41	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.42	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.43	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.44	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.45	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.46	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.47	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.48	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.49	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.50	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.51	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.52	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.53	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.54	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.55	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.56	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.57	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.58	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.59	IS	0.0	0.0	0.0	0.0	
	1.1.1.1.1.60	IS	0.0	0.0	0.0	0.0	



Makes sense

Extraordinary!

Did you watch the Springboks dismantle the English rugby team in the world cup final?

Sure



Thank you

