Verla Groundwood and Board Mill

1. World Heritage Property Data

1.1 - Name of World Heritage property

Verla Groundwood and Board Mill

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Verla Groundwood and Board Mill	61.062 / 26.641	22.778	88.03	110.808	1996
Total (ha)		22.778	88.03	110.808	

1.4 - Map(s)

Title	Date	Link to source
Verla Groundwood and Board Mill - maps of the inscribed property	2006	

1.5 - Web and Social Media data of the property (if applicable)

- 1. Verla Groundwood and Board Mill
- 2. National Board of Antiquities

Comment

- 2. Finnish Heritage Agency (former National Board of Antiquities) museovirasto.fi/en/, museovirasto.fi/en/about-us/international-activities/world-heritage-in-finland
- 2. Other Conventions/Programmes under which the World Heritage property is protected (if applicable)
- 2.1 Records indicate that your World Heritage property (in whole or in part) is designated and/or protected under the Conventions/programmes shown in the prefilled table below. Please check and amend as necessary.

		The World Heritage property (in whole or in part) <u>is</u> designated and/or protected under this convention/programme	The World Heritage property (in whole or in part) is not designated and/or protected under this convention/programme
2.1.1	International Register of Cultural Property under Special Protection (1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		×
2.1.2	List of Cultural Property under Enhanced Protection (Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		×
2.1.3	The List of Wetlands of International Importance (The Ramsar List) (Convention on Wetlands of International Importance (Ramsar Convention))		×
2.1.4	World Network of Biosphere Reserves Man and the Biosphere (MAB) Programme		×
2.1.5	Global Geoparks Network UNESCO Global Geoparks		×

2.2 - Please provide comments on 2.1 if necessary

The Finnish Heritage Agency has prepared a preliminary national inventory of the relevant properties to be designated under the Hague Convention. The Verla Groundwood and Board Mill is included on this list. The following steps, including the proposed internationally registered sites, are to be decided after the list has been approved by the government.

2.3 - Do your national authorities intend to request the granting of Enhanced Protection (if relevant) under the Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict for the World Heritage property in the next three years?

No

No

2.4 - Do your national authorities intend to designate whole or part of the World Heritage property for inclusion in the List of Wetlands of International Importance (The Ramsar List), if relevant, in the next three years?

Verla Groundwood and Board Mill 1 of 37

2.5 - Do your national authorities intend to designate whole or part of the World Heritage property as a Man and Biosphere Reserve (if relevant) in the next three years?

No

2.6 - Do your national authorities intend to apply for whole or part of World Heritage property to be designated as a UNESCO Global Geopark (if relevant) in the next three years?

No

2.7 - Please indicate the level of cooperation at property level between designations under different Conventions/Programmes

2.7.1	1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	×
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.2	Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	×
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.3	Convention on Wetlands of International Importance (Ramsar Convention)	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.4	Man and the Biosphere (MAB) Programme	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.5	UNESCO Global Geoparks	
2.7.1	There is no contact with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	

- 2.8 Please add any further comments on cooperation with the other designation(s)/programme(s)
- 2.9 Are you aware of any elements associated with the World Heritage property that have been inscribed on the Representative List of the Intangible Cultural Heritage?

 No
- 2.10 Please list any elements associated with the World Heritage property inscribed under the Convention for the Safeguarding of the Intangible Cultural Heritage of which you are aware
- 2.11 Are you aware of any documentary heritage listed under the Memory of the World Programme associated with the World Heritage property?

No

- 2.12 Please list any documentary heritage associated with the World Heritage property listed under the Memory of the World Programme of which you aware.
- 3. Statement of Outstanding Universal Value

Verla Groundwood and Board Mill 2 of 37

3.1 - Statement of Outstanding Universal Value for the property as adopted by the World Heritage Committee

Statement of Outstanding Universal Value

Brief synthesis

Verla Groundwood and Board Mill, located in the northern part of the Kymi River Valley in southeast Finland, consists of the Mill, the associated residential area and the power plants. The mill buildings and the workers' houses mostly date from the 1890s and from the beginning of the 20th century. The property is a very well preserved example of a forest industry settlement of the late 19th century. Similar communities were established in coniferous forest zones in northern Europe and in North America, where wood as a raw material and water as a source of energy were easily at hand.

The first groundwood mill in Verla was founded in 1872 and the board mill began operations ten years later. The existing buildings, which are architecturally harmonious, date back to the turn of the 20th century. The mill itself ceased to operate in 1964, and all the machines and items related to production were left in the mill as they were when the production ceased. The buildings and the machines were carefully conserved and turned into a museum, and the Verla Mill Museum was officially opened in 1972.

The property itself consists of approximately 50 buildings in an area of 23 ha. The Verlankoski Rapids separate the production area from the residential area. On the rapids, there are three water power plants from three different decades, the newest one dating from the 1990s. The mill owner's residence and a park from the late 19th century dominate the village. The sheer rock face above the rapids bears a prehistoric rock painting, representing fishing and hunting.

Criterion (iv): The Verla Groundwood and Board Mill and its associated habitation are an outstanding and remarkably well preserved example of the small-scale rural industrial settlement associated with pulp, paper, and board production that flourished in northern Europe and North America in the 19th and early 20th centuries, of which only a handful survives to the present day.

Integrity

The Verla Groundwood and Board Mill with its machinery, the Verlankoski Rapids and power plants, the associated residential area and installations form a visually and functionally intact complex. The property includes all the built elements associated with production, habitation and leisure in the mill village, as well as the rapids, the surrounding forests, and the prehistoric rock painting.

Authenticity

The Verla Groundwood and Board Mill and its associated buildings, equipment, installations and landscape have remained almost intact. The fact that the machinery needed for the production of groundwood pulp and board has remained at its original place adds to the authenticity. The buildings and the installations have preserved their characteristic features with regard to the materials, construction methods and architecture. Furthermore, the authenticity of Verla is reinforced by the well-preserved wooded landscape.

Protection and management requirements

Verla is protected according to national legislation. UPM-Kymmene Corporation, the principal landowner, is responsible for the administration of the site and for the Management Board of Verla, which includes the authorities and owners of the site. The Board controls and instructs the operations involving restoration and maintenance according to the Management Plan.

The groundwood and board mill is surrounded by a forested area, which is located in the buffer zone of the property. Landscape and environment values are taken into consideration when forestry work is done.

The flow of water in the power plant canal, adjacent to the board mill, has threatened the conservation and safety of the mill building, as water from the canal was leaking into the mill. To solve this problem, a new power plant canal, which separates the water from the building, was opened in January 2014.

Verla Groundwood and Board Mill is located in a rural area and is closed during the winter. Due to its remote location, fire and other accidents are considered potential threats to the property. Because of this, the most central parts of the property are protected by automatic fire alarms and fire extinguishing systems.

Comment

The first groundwood mill in Verla was founded in 1872 and destroyed by fire in 1874. A new groundwood and board mill began operations ten years later 1882. Rockpainting is representing hunting culture (not fishing). To solve this problem, a new power plant canal... Should be "...a new shelter dam, which separates the water from the building, was finished in January 2014." Heating was restored to the mill in 2018. The museum is closed during the wintertime. Site can be visited independently

3.2 - Please list the key attributes of Outstanding Universal Value of your property and give an assessment of their condition. As a guideline, it is suggested to focus on approximately five key attributes (no more than 15 overall).

	Brief identification of attribute	Preserved	Compromised	Seriously compromised	Lost
3.2.1	The mill buildings (forest industry)	×			
3.2.2	Machinery (technique)	×			
3.2.3	Functionally intact complex (floating of raw material, surrounding forest, energy, mill)	×			
3.2.4	Residential area (life in the mill village)	×			
3.2.5	Rapids and water power (mill machinery and electricity production)	×			
3.2.6	Landscape (mill village, forests)	×			
3.2.7					
3.2.8					
3.2.9					
3.2.10					
3.2.11					
3.2.12					

Verla Groundwood and Board Mill 3 of 37

3.2.13			
3.2.14			
3.2.15			

3.3 - Comments, conclusions and/or recommendations related to Statement of Outstanding Universal Value

We have restored the heating system to the mill buildings in 2018 to preserve the buildings.

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant	X Not relevant

4.1.2 - Commercial development

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.1.3 - Industrial areas

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant	× Not relevant
Rolovant	Not relevant

4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant	X Not relevant

4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (30/07/2013):

• Relevant, Positive, Negative, Potential, Inside

X Relevant				Not relevant				
Impact			Origin		Trend of impact			
Impact	G Current	Potential	Inside	Outside	▶ Decreasing	⇒ Stable	Increasing	
O Positive X	×		×	×			P	
Negative								

4.1.6 - Please comment as necessary on how the factors selected as relevant in 4.1 are affecting the property either negatively or positively

Inside: Site museum and museum info. 2015 history trail with informative placards (information available year-round), positively. There will information available of all the buildings in the area. Outside: Minor eco-camping positively.

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Current, Potential, Inside

X Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	▶ Decreasing	⇒ Stable	Increasing
Positive							
○ Negative X	×	×	×			→	

Verla Groundwood and Board Mill 4 of 37

4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant	✗ Not relevant

4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant	X Not relevant

4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant	X Not relevant

4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant	X Not relevant

4.2.6 - Please comment as necessary on how the factors selected as relevant in 4.2 are affecting the property either negatively or positively

Traffic on the road through the site is potentially an element of danger (there has been no accidents).

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (30/07/2013):

• Relevant, Positive, Current, Potential, Inside

X Relevant				Not relevant				
	Impact Origin			igin Trend of impact				
Impact	Gurrent	Potential	Inside	Outside	▶ Decreasing	→ Stable	Increasing	
O Positive X	×	×	×			→		
Negative								

4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (30/07/2013):

• Relevant, Positive, Current, Potential, Inside

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	• Inside	Outside	Decreasing	→ Stable	Increasing
O Positive 🗶	×	×	×				1
Negative							

4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Current, Inside

X Relevant				Not relevant			
	Impact Orig		Origin		Trend of impact		
Impact	Current	Potential	• Inside	Outside	▶ Decreasing	→ Stable	Increasing
Positive							
	×		×		S		

Verla Groundwood and Board Mill 5 of 37

4.3.4 - Localised utilities

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant	X Not relevant
	THE CONTRACTOR OF THE CONTRACT

4.3.5 - Major linear utilities

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.3.6 - Please comment as necessary on how the factors selected as relevant in 4.3 are affecting the property either negatively or positively

There are 2 hydro-electric power plants in the middle of the site. Mill areas district heating center powered by wood pellet. A new solarenergy system producing 10% of the site electricity. Oil as back up system, used only when necessary.

4.4. Pollution

4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.4.2 - Ground water pollution

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.4.3 - Surface water pollution

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.4.4 - Air pollution

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.4.5 - Solid waste

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.4.6 - Input of excess energy

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.4.7 - Please comment as necessary on how the factors selected as relevant in 4.4 are affecting the property either negatively or positively

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.5.2 - Aquaculture

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

Verla Groundwood and Board Mill 6 of 37

4.5.3 - Land conversion

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.5.5 - Crop production

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (30/07/2013):

• Relevant, Positive, Current, Potential, Inside, Outside

X Relevant				Not relevant			
	Impact	Impact Origin			Trend of impact		
Impact	Gurrent	Potential	Inside	Outside	▶ Decreasing	⇒ Stable	Increasing
Positive X	×	×	×	×		→	
Negative							

4.5.8 - Commercial hunting

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.5.9 - Subsistence hunting

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (30/07/2013):

• Relevant, Positive, Negative, Current, Potential, Inside, Outside

※ Relevant				Not relevant					
	Impact Origin			Origin Trend of impact					
Impact	Current	Potential	Inside	G Outside	▶ Decreasing	⇒ Stable	Increasing		
Positive X	×		×			\rightarrow			
Negative									

4.5.11 - Please comment as necessary on how the factors selected as relevant in 4.5 are affecting the property either negatively or positively

Inside: small garden devoted to grow useful plants Outside: individual berrying and mushrooming. Forestry in the landscape monitored by land owner. Positive: used as an information trail of sustainable forestry.

4.6. Physical resource extraction

4.6.1 - Mining

Previous answer Cycle 2 (30/07/2013):

Verla Groundwood and Board Mill 7 of 37

Not relevant

Relevant × Not relevant

4.6.2 - Quarrying

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant × Not relevant

4.6.3 - Oil and gas

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant × Not relevant

4.6.4 - Water (extraction)

Previous answer Cycle 2 (30/07/2013):

• Relevant, Positive, Current, Inside

× Not relevant 4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

Relevant

positively

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant × Not relevant

4.7.2 - Relative humidity

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Current, Inside

Relevant × Not relevant

4.7.3 - Temperature

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Current, Inside

Relevant × Not relevant

4.7.4 - Radiation/Light

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant × Not relevant

4.7.5 - Dust

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant × Not relevant

4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Current, Inside

Relevant × Not relevant

4.7.7 - Pests

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Current, Inside

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	→ Decreasing	⇒ Stable	Increasing

Verla Groundwood and Board Mill 8 of 37

Positive					
○ Negative ★	×	×		\rightarrow	

4.7.8 - Micro-organisms

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Current, Inside

Relevant	X Not relevant

4.7.9 - Please comment as necessary on how the factors selected as relevant in 4.7 are affecting the property either negatively or positively

Sometimes mice inside some buildings.

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant	X Not relevant

4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant	X Not relevant

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant	
-------------------------	--

4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Potential, Inside

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	→ Decreasing	→ Stable	Increasing
O Positive							
Negative X	×	×	×				7

4.8.5 - Identity, social cohesion, changes in local population and community

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Current, Potential, Outside

X Relevant			Not relevant				
	Impact		Origin		Trend of impact		
Impact	G Current	Potential	• Inside	© Outside	▶ Decreasing	⇒ Stable	Increasing
O Positive							
Negative X	×			×			1

4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (30/07/2013):

Not relevant

Polovont	♥
Relevant	X Not relevant

Verla Groundwood and Board Mill 9 of 37

4.8.7 - Please comment as necessary on how the factors selected as relevant in 4.8 are affecting the property either negatively or positively

Less people who remember the mill functioning (old age). Less people living on the buffer zone.

4.9. Other human activities

4.9.1 - Illegal activities

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant × Not relevant

4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Potential, Outside

Relevant X Not relevant

4.9.3 - Military training

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant × Not relevant

4.9.4 - War

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant × Not relevant

4.9.5 - Terrorism

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant × Not relevant

4.9.6 - Civil unrest

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant

× Not relevant 4.9.7 - Please comment as necessary on how the factors selected as relevant in 4.9 are affecting the property either negatively or

positively

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Current, Potential, Inside, Outside

Relevant × Not relevant

4.10.2 - Flooding

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Potential, Inside, Outside

Relevant × Not relevant

4.10.3 - Drought

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant × Not relevant

4.10.4 - Desertification

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

Verla Groundwood and Board Mill 10 of 37

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant	
-------------------------	--

4.10.6 - Temperature change

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Current, Inside, Outside

Relevant X Not relevant

4.10.7 - Other climate change impacts

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.10.8 - Please comment as necessary on how the factors selected as relevant in 4.10 are affecting the property either negatively or positively

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.11.2 - Earthquake

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Potential, Inside, Outside

Relevant X Not relevant

4.11.7 - Please comment as necessary on how the factors selected as relevant in 4.11 are affecting the property either negatively or positively

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

Verla Groundwood and Board Mill 11 of 37

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (30/07/2013):

• Relevant, Negative, Current, Potential, Outside

× Relevant	× Relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	© Outside	→ Decreasing	→ Stable	Increasing
O Positive							
Negative X	×	×		×	S		

4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (30/07/2013):

• Not relevant

Relevant X Not relevant

4.12.6 - Modified genetic material

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant X Not relevant

4.12.7 - Please comment as necessary on how the factors selected as relevant in 4.12 are affecting the property either negatively or positively

Weeds spreading from a property in buffer zone.

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

✗ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	© Outside	▶ Decreasing	→ Stable	Increasing
Positive X	×		×			\rightarrow	
Negative							

4.13.2 - Legal framework

★ Relevant				Not relevant					
	Impact	Impact		npact Origin		Trend of impact			
Impact	Current	Potential	• Inside	Outside	▶ Decreasing	⇒ Stable	Increasing		
O Positive X	×			×		\rightarrow			
Negative									

4.13.3 - Governance

Relevant	X Not relevant

4.13.4 - Management activities

Previous answer Cycle 2 (30/07/2013):

• Relevant, Positive, Current, Potential, Inside

Verla Groundwood and Board Mill 12 of 37

× Relevant	1	Not relevant							
	Impact				Trend of impact				
Impact	Current	Potential	Inside	Outside	▶ Decreasing	⇒ Stable	Increasing		
O Positive X	×		×	×		\rightarrow			
Negative									

4.13.5 - Financial resources

Relevant	X Not relevant
----------	----------------

4.13.6 - Human resources

Relevant	X Not relevant

4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (30/07/2013):

• Relevant, Positive, Current, Potential, Inside

✗ Relevant				Not relevant						
Impact			Origin		Trend of impact					
Impact	G Current	Potential	• Inside	© Outside	▶ Decreasing	⇒ Stable	Increasing			
O Positive 🗶	×	×	×			→				
Negative										

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (30/07/2013):

Not relevant

Relevant	X Not relevant

4.13.9 - Please comment as necessary on how the factors selected as relevant in 4.13 are affecting the property either negatively or positively

Management plan updated 2019. Verla is well protected. Visitor survey since 2018 (every 5 years) is a good way to understand who our visitors are.

4.14. Other factor(s)

4.14.1 - Other factor(s)

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact	t	Origin		Trend	
4.1 Buildings and Development						
4.1 Buildings and Development 4.1.5 Interpretative and visitation facilities 4.2 Transportation Infrastructure 4.2.1 Ground transport infrastructure 4.3 Services Infrastructures 4.3.1 Water infrastructure	O	9		•	G	-
ransportation Infrastructure						
4.2 Transportation Infrastructure						
		9	9	•		→
4.3 Services Infrastructures						
4.3.1 Water infrastructure	()	9	9	•		\rightarrow
4.3.2 Renewable energy facilities	•	9	9	•		-
4.3.3 Non-renewable energy facilities						
		9		•		S
4.5 Biological resource use/modification						

Verla Groundwood and Board Mill 13 of 37

4.5.7 Subsistence wild plant collection	•	9	9	•	Œ	→
4.5.10 Forestry/Wood production	③	9		•		→
4.7 Local conditions affecting physical fabric						
4.7.7 Pests						
		9		•		\rightarrow
4.8 Social/Cultural uses of heritage						
4.8.4 Changes in traditional ways of life and knowledge system						
		9	9	•		1
4.8.5 Identity, social cohesion, changes in local population and community						
		9			Œ	7
4.12 Invasive/alien species or hyper-abundant species						
4.12.2 Invasive/Alien terrestrial species						
		q	9		Œ	S
4.13 Management and institutional factors						
4.13.1 Management system/Management plan	•	q		•		\rightarrow
4.13.2 Legal framework	•	9			Œ	\rightarrow
4.13.4 Management activities	O	9		•	Œ	\rightarrow
4.13.7 Low impact research/monitoring activities	•	9	9	•		→
Legend	Insi	de		Outsi	de	

4.16. Assessment of current and potential positive and negative factors

4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development

Name		Impact		Origin		Trend
4.1.5 Inter	1.5 Interpretative and visitation facilities		q	•	Œ	<i>P</i>
Snatial sc	ale - Area affected by the factor					
Opuliui 50	are Area unioned by the factor					
×	Restricted					
	Localised					
	Extensive					
	Widespread					
Localised Extensive Widespread Temporal scale - Occurence of the impact One off or rare						
	One off or rare					
×	Intermittent or sporadic					
	Frequent					
	On-going On-going					

Verla Groundwood and Board Mill 14 of 37

Impact - Im	pact on the attributes
	Insignificant
	Minor
×	Significant
	Major
Manageme	nt response - Capacity of management to respond
	High capacity
×	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - De	velopement over the last 6 years
	Decreasing
	Static
×	Increasing

Impact

Origin

Trend

4.2 Transportation Infrastructure

Static

Name

4.2.1 Grou	Al scale - Area affected by the factor Restricted Localised Extensive Widespread Oral scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going tt - Impact on the attributes Insignificant				
		q	9	•	\rightarrow
Spatial car	ala. Area affacted by the factor				
Spatial Sca					
	Restricted				
×	Localised				
	Extensive				
	Widespread				
Temporal	scale - Occurence of the impact				
	One off or rare				
	Intermittent or sporadic				
	Frequent				
×	On-going				
Impact - In	npact on the attributes				
×	Insignificant				
	Minor				
	Significant				
	Major				
Manageme	ent response - Capacity of management to respond				
	High capacity				
	Medium capacity				
	Low capacity				
×	No capacity and / or resources				
Trend - De	velopement over the last 6 years				
	Decreasing				

Verla Groundwood and Board Mill 15 of 37

4.3 Services Infrastructures

Name

4.3.1 Water	infrastructure	O		9	•	\rightarrow
Snatial sea	le - Area affected by the factor					
×	Restricted					
^	Localised					
	Extensive					
	Widespread					
Temporal s	cale - Occurence of the impact					
Temperare	One off or rare					
	Intermittent or sporadic					
	Frequent					
~						
X Impact Im	On-going					
impact - im	pact on the attributes					
	Insignificant					
	Minor					
×	Significant					
	Major					
Manageme	nt response - Capacity of management to respond					
	High capacity					
	Medium capacity					
	Low capacity					
×	No capacity and / or resources					
Trend - Dev	relopement over the last 6 years					
	Decreasing					
×	Static					
	Increasing					
Name		Impact	:		Origin	Trend
4.3.2 Renev	vable energy facilities	O		9	•	1
Spatial sca	le - Area affected by the factor					
×	Restricted					
	Localised					
	Extensive					
	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					

Impact

Origin

Trend

Verla Groundwood and Board Mill 16 of 37

	Intermittent or sporadic				
	Frequent				
×	On-going On-going				
Impact - I	mpact on the attributes				
×	Insignificant				
	Minor				
	Significant				
	Major				
Managem	ent response - Capacity of management to respond				
	High capacity				
	Medium capacity				
×	Low capacity				
	No capacity and / or resources				
Trend - D	evelopement over the last 6 years				
	Decreasing				
	Static				
×	Increasing				
Name					Trend
	-renewable energy facilities	Impact	•	Origin	Trend
	u de la companya de		9	•	S
Spatial so	ale - Area affected by the factor				
×	Restricted				
	Localised				
	Extensive				
	Widespread				
Temporal	scale - Occurence of the impact				
×	One off or rare				
	Intermittent or sporadic				
	Frequent				
	On-going On-going				
Impact - I	mpact on the attributes				
×	Insignificant				

Low capacity

No capacity and / or resources

Trend - Developement over the last 6 years

Minor Significant

High capacity

Medium capacity

Management response - Capacity of management to respond

Verla Groundwood and Board Mill 17 of 37

×	Decreasing
	Static
	Increasing

4.5 Biological resource use/modification

Widespread

Temporal scale - Occurence of the impact

Name		Impact			Origin		Trend
4.5.7 Subsi	stence wild plant collection	•	9	9	•	G	→
Spatial sca	le - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal s	cale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
	High capacity						
	Medium capacity						
	Low capacity						
×	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
Name		Impact			Origin		Trend
4.5.10 Fore	stry/Wood production	•	9		•		→
Spatial sca	le - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						

Verla Groundwood and Board Mill 18 of 37

×	One off or rare
	Intermittent or sporadic
	Frequent
	On-going On-going
Impact - Im	pact on the attributes
	Insignificant
×	Minor
	Significant
	Major
Manageme	nt response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
	Decreasing
×	Static
	Increasing

4.7 Local conditions affecting physical fabric

Name		Impact		Origin	Trend
4.7.7 Pests					
			9	•	\rightarrow
Spatial sca	ele - Area affected by the factor				
	Restricted				
×	Localised				
	Extensive				
	Widespread				
Temporal s	scale - Occurence of the impact				
×	One off or rare				
	Intermittent or sporadic				
	Frequent				
	On-going				
Impact - Im	pact on the attributes				
×	Insignificant				
	Minor				
	Significant				
	Major				
Manageme	nt response - Capacity of management to respond				
	High capacity				
×	Medium capacity				
	Low capacity				

Verla Groundwood and Board Mill 19 of 37

	No capacity and / or resources
Trend - De	velopement over the last 6 years
	Decreasing
×	Static
	Increasing

4.8 Social/Cultural uses of heritage

Increasing

Name		Impact			Origin		Trend
4.8.4 Chan	ges in traditional ways of life and knowledge system						
			q	9	•		-
Snatial sca	le - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal s	cale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Im	pact on the attributes						
	Insignificant						
×	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
	High capacity						
	Medium capacity						
	Low capacity						
×	No capacity and / or resources						
Trend - Dev	elopement over the last 6 years						
	Decreasing						
	Static						

Name	Impact		Origin		Trend
4.8.5 Identity, social cohesion, changes in local population and community					
		9		G	>

Spatial sca	ale - Area affected by the factor
×	Restricted
	Localised
	Extensive

Verla Groundwood and Board Mill 20 of 37

	Widespread
Temporal	scale - Occurence of the impact
×	One off or rare
	Intermittent or sporadic
	Frequent
	On-going Control of the Control of t
Impact - Im	npact on the attributes
	Insignificant
×	Minor
	Significant
	Major
Manageme	ent response - Capacity of management to respond
	High capacity
	Medium capacity
	Low capacity
×	No capacity and / or resources
Trend - De	velopement over the last 6 years
	Decreasing
×	Static
	Increasing

4.12 Invasive/alien species or hyper-abundant species

Name	Name		Impact		Origin		Trend
4.12.2 Inva	sive/Alien terrestrial species						
			9	9		F	S
Spatial sca	le - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						
	Widespread						
Temporal s	cale - Occurence of the impact						
	One off or rare						
	Intermittent or sporadic						
	Frequent						
×	On-going On-going						
Impact - Im	pact on the attributes						
	Insignificant						
×	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
	High capacity						

Verla Groundwood and Board Mill 21 of 37

×	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
×	Decreasing
	Static
	Increasing

4.13 Management and institutional factors

Name		Impact			Origin	Trend	
4.13.1 Manage	ment system/Management plan	O	9		•		\rightarrow
Spatial scale -	Area affected by the factor						
Re	estricted						
Lo	ocalised						
E	rtensive						
× w	idespread						
Temporal scale	e - Occurence of the impact						
Oi	ne off or rare						
In	termittent or sporadic						
Fr	equent						
× O	n-going						
Impact - Impac	Impact - Impact on the attributes						
In	significant						
М	inor						
X Si	gnificant						
M	ajor						
Management re	esponse - Capacity of management to respond						
Hi	gh capacity						
×	edium capacity						
Lo	ow capacity						
No	o capacity and / or resources						
Trend - Develo	pement over the last 6 years						
De	ecreasing						
St	atic						
× In	creasing						

Name	Impact		Origin		Trend	
4.13.2 Legal framework	O	9			G	\rightarrow

Spatial scale - Area affected by the factor

Verla Groundwood and Board Mill 22 of 37

	Restricted					
	Localised					
	Extensive					
×	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					
	Intermittent or sporadic					
	Frequent					
×	On-going					
Impact - Im	pact on the attributes					
	Insignificant					
	Minor					
×	Significant					
	Major					
Manageme	nt response - Capacity of management to respond					
	High capacity					
×	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - Dev	elopement over the last 6 years					
	Decreasing					
	Static					
×	Increasing					
Name	gement activities	Impact		Origin	100	Trend
4. 13.4 Wall	gement activities		9		G	
Spatial sca	e - Area affected by the factor					
	Restricted					
	Localised					
×	Extensive					
	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					
	Intermittent or sporadic					
	Frequent					
×	On-going Control of the Control of t					
Impact - Im	pact on the attributes					
	Insignificant					
	Minor					
	Significant					
×	Major					

Verla Groundwood and Board Mill 23 of 37

wanageme	it response - Capacity of management to respond					
	High capacity					
×	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - Dev	elopement over the last 6 years					
	Decreasing					
	Static					
×	Increasing					
Name		Impact			Origin	Trend
4.13.7 Low	impact research/monitoring activities	O	4	9	•	→
Spatial scal	e - Area affected by the factor					
	Restricted					
×	Localised					
	Extensive					
	Widespread					
Temporal s	cale - Occurence of the impact					
×	One off or rare					
	Intermittent or sporadic					
	Frequent					
	On-going					
Impact - Im	pact on the attributes					
×	Insignificant					
	Minor					
	Significant					
	Major					
Manageme	nt response - Capacity of management to respond					
	High capacity					
	Medium capacity					
×	Low capacity					
	No capacity and / or resources					
Trend - Dev	elopement over the last 6 years					
	Decreasing					
	Static					
×	Increasing					

- 4.17. Serial inscriptions (national or transnational)
- 4.17.1 If your property is a serial inscription (national or transnational) please identify which components of the property are impacted by each factor
- 4.18. Prediction of the state of conservation at next cycle of Periodic Reporting.
- 4.18.1 Please predict what the state of conservation of each attribute will be approximately 6 years from now (at the time of the next cycle of Periodic Reporting)

Verla Groundwood and Board Mill 24 of 37

	Attribute	Preserved	Compromised	Seriously compromised	Lost
4.18.1.1	Mill and machinery	×			
4.18.1.2	Functional unity	×			
4.18.1.3	Residential area	×			
4.18.1.4	Rapids and water power	×			
4.18.1.5	Landscape	×			

5. Protection and Management of the Property

5.1. Boundaries and Buffer Zones

5.1.1 - Are the boundaries of the World Heritage property adequate to maintain the property's Outstanding Universal Value?

The boundaries are adequate to maintain the property's Outstanding Universal Value

5.1.2 - Are the boundaries of the World Heritage property known and recognised?

The boundaries are known by the management authority but are not known by local communities/landowners

5.1.3 - Are the buffer zone(s) of the World Heritage property adequate to maintain the property's Outstanding Universal Value?

The buffer zones are adequate to maintain the property's Outstanding Universal Value

5.1.4 - Are the boundaries of the buffer zones known and recognised?

The buffer zones of the World Heritage property are known and recognised by the management authority but are not known by local communities/landowners

5.1.5 - Comments, conclusions and/or recommendations related to boundaries and buffer zones of the World Heritage property

5.2. Protective Measures

5.2.1 - Protective designation (legal, regulatory, contractual, planning, institutional and/or traditional).

- UPM-Kymmene Corporation still runs the Mill Museum and is the biggest landowner of Verla. The Mill Museum is responsible for the buildings owned by UPM-Kymmene corporation.
- The company KSS Energia Oy is responsible for the power plant area with its buildings. In addition, a small area in the World Heritage property is owned by private landowner; Land use plan (osayleiskaava); Act on the Protection of the Built Heritage (rakennusten suojelulaki); Antiquities Act (muinaismuistolaki Protection of archaeological cultural heritage)

Source: Periodic Reporting Cycle 1, Periodic Reporting Cycle 2

Comment

UPM Kymmene runs the Mill Museum and is the biggest landowner of the site. KSS Energia is responsible for the power plant area with its buildings. And a small area in the World Heritage property is owned by private landowner. 38 UPM owned buildings are protected by the Act on the Protection of the Built Heritage (1993 and 2016). The revised Verla sub-urban land use plan updated 2020: covers also power plant area.

5.2.2 - Please list any legislation and other measures (regulatory -including spatial planning- contractual, institutional or traditional) not included in 5.2.1 and indicate the category

5.2.3 - Is the legal framework (i.e. legislation and/or regulation including spatial planning) adequate for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The legal framework for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property provides an adequate basis for effective management and protection

5.2.4 - Is the legal framework (i.e. legislation and/or regulation) adequate in the buffer zone for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The legal framework in the buffer zone for the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property provides an adequate basis for effective management and protection

5.2.5 - Is the legal framework (i.e. legislation and/or regulation) in the broader setting of the World Heritage property adequate for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The legal framework for the broader setting of the World Heritage property provides an adequate basis for effective management and protection of the property, contributing to the maintenance of its Outstanding Universal Value including conditions of Authenticity and/or Integrity

5.2.6 - Can the legal framework (i.e. legislation and/or regulation) be enforced?

There is adequate capacity/resources to enforce legislation and/or regulation in the World Heritage property

5.2.7 - Please provide a short summary of how the legislation, including spatial planning and other regulation, works in practice

5.2.8 - Comments, conclusions and/or recommendations about the information related to the measures taken to protect the World Heritage property

5.3. Management System/Management Plan

5.3.1 - Please check the box which most closely match the character of the governance and management system of the property

Verla Groundwood and Board Mill 25 of 37

If 'Other', please specify

5.3.2 - Management System: Please indicate which of the various management tools listed below are used to help protect the property.

A statutory Management Plan or zoning plan for the property.

A management plan

An annual work plan or business plan

Other (please specify below)

Sustainable Travel management plan

5.3.3 - Please give a brief description of the management system currently in place at your property

Sustainable travel management plan is a part of Visit Finlands Sustainable Travel Finland Programme.

5.3.4 - Management Documents

Comment

Management plan of the site: https://verla.fi/files/download/HKS2019-Verla.pdf The revised Verla sub-urban land use plan 2020. Act on the Protection of the Built Heritage

5.3.5 - Has any use been made of the 2011 Recommendation on the Historic Urban Landscape in developing policies and best practices for the protection of this property?

The 2011 Recommendation on the Historic Urban Landscape is not relevant to this property

- 5.3.6 If the Historic Urban Landscape Recommendation has been used at this property, please describe briefly what has been done.
- 5.3.7 Has any use been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property?

No use has been made of the World Heritage Policy for Climate Change

- 5.3.8 If the Climate Change policy has been used, please briefly describe what has been done along with any research on the impacts of Climate Change on the property:
- 5.3.9 Has any use been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property?

 Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties
- 5.3.10 If the Strategy for Reducing Risks from Disasters at World Heritage Properties has been used, please briefly describe what has been done

December 2013 a protective dam was built to protect the mill from floods.

5.3.11 - Rate the coordination between the various levels of administration (i.e. national/federal; regional/provincial/state; local/municipal etc.) involved in the management of the World Heritage property

There is adequate coordination between all bodies/levels involved in the management of the property

5.3.12 - Is the management system/plan adequate to maintain the property's Outstanding Universal Value?

The management system/plan is fully adequate to maintain the property's Outstanding Universal Value

5.3.13 - Is the management system being implemented?

The management system is being ${\bf fully\ implemented\ and\ monitored}$

5.3.14 - Is there an annual work/action plan and is it being implemented?

An annual work/action plan exists and many of its activities are being implemented

5.3.15 - Does the management system include formal mechanisms and procedures that ensure participation and contribution of the following groups, living within or near the World Heritage property and/or buffer zone in management decisions that maintain the Outstanding Universal Value of the property?

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities			×		
5.3.15.2	Local authorities				×	
5.3.15.3	Landowners in the property and the buffer zone				×	
5.3.15.4	Indigenous peoples	×				
5.3.15.5	Women	×				
5.3.15.6	Other specific groups	×				

Verla Groundwood and Board Mill 26 of 37

5.3.16 - Please rate the cooperation/relationship between the World Heritage property managers/coordinators/staff and the following groups

		Not applicable	Non-existent	Poor	Fair	Good
5.3.16.1	Local communities					×
5.3.16.2	Local/Municipal authorities				×	
5.3.16.3	Indigenous peoples	×				
5.3.16.4	Landowners					×
5.3.16.5	Women	×				
5.3.16.6	Youth/Children					×
5.3.16.7	Researchers					×
5.3.16.8	Local Visitors/Tourists					×
5.3.16.9	National/International tourists					×
5.3.16.10	Tourism Industry					×
5.3.16.11	Local businesses and industries					×
5.3.16.12	NGOs					×
5.3.16.13	Other specific groups	×				
	If you selected 'Other specific groups', please specify					

5.3.17 - Please rate the extent to which the management system of your property contributes towards achieving the objectives of the World Heritage Committee's Policy for the Integration of a Sustainable Development Perspective into the Processes of the World Heritage Convention

		Not applicable	No contribution	Limited	Significant	Full achievement
5.3.17.1	The management system of the property contributes to gender equality	×				
5.3.17.2	The management system of the property provides ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants)	×				
5.3.17.3	The management system of the property contributes to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status	×				
5.3.17.4	The management system of the property integrates a human rights-based approach					×
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood			×		
5.3.17.6	The management system of the property contributes to conflict prevention, including respect for cultural diversity within and around the World Heritage property	×				

5.3.18 - Please provide further details on the ratings of the management system given in the table above

Questions of equality are not relevant in Finland. It goes without saying that everyone is equal. Legislation of Finland ensures that everyone is equal. Don't quite understand what is meant with conflict prevention here.

${\bf 5.3.19 \text{ -} Comments, conclusions and/or recommendations related to the management system/plan}$

6. Financial and Human Resources

6.1. Funding

6.1.1 - If your funding sources do not exactly fit those shown, put the relevant amounts against the funding type that most closely represents your situation, and use the comment box below to provide more details.

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	%	%
6.1.1.2	Bilateral international funding	%	%
6.1.1.3	World Heritage Fund (International Assistance)	%	%
6.1.1.4	Contribution from other conventions and programmes	%	%

Verla Groundwood and Board Mill 27 of 37

6.1.1.5	International donations (NGOs, foundations, etc.)	%	%
6.1.1.6	Governmental (national/federal)	%	12 %
6.1.1.7	Governmental (regional/provincial/state)	%	%
6.1.1.8	Governmental (local/municipal)	%	%
6.1.1.9	In-country donations (NGOs, foundations, etc.)	%	%
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	%	20 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	%	1 %
6.1.1.12	Other	%	67 %
		Total 0 %	Total 100 %

6.1.2 - Please comment here on any other aspects of funding sources not covered in the table above

Other: owner UPM Kymmene Corporation

6.1.3 - Is the current budget sufficient to manage the World Heritage property effectively?

The available budget is adequate for effective management of the World Heritage property

6.1.4 - Are the existing sources of funding secure and likely to remain so?

The existing sources of funding are secure over both the medium- and long-term

6.1.5 - Comments, conclusion, and/or recommendations related to finance and infrastructure

6.1.6 - Estimate the distribution of men and women involved in the management, conservation, interpretation of the World Heritage properties and the extent to which they are drawn from local communities.

		From local communities %	From elsewhere %
6.1.6.1	Men	60 %	40 %
6.1.6.2	Women	40 %	60 %
		Total 100 %	Total 100 %

6.1.7 - Are available human resources adequate to manage the World Heritage property?

Human resources partly meet the management needs of the World Heritage property

6.1.8 - Considering the management needs of the World Heritage property, please rate the availability of professionals in the following disciplines

Conservation	Good
Environmental sustainability	Good
Community participation and inclusion	Poor
Risk preparedness	Good
Capacity development and education	Fair
Administration	Good
Research and monitoring	Fair
Awareness raising and public information/communication	Good
Marketing and promotion	Good
Interpretation	Good
Visitor management/tourism	Good
Enforcement (custodians, police)	Fair

6.1.9 - Please rate the availability of training opportunities for the management of the World Heritage property in the following disciplines

Conservation	Fair
Environmental sustainability	Good
Community participation and inclusion	Poor
Risk preparedness	Fair
Capacity development and education	Poor
Administration	Fair

Verla Groundwood and Board Mill 28 of 37

Research and monitoring	Fair
Awareness raising and public information/communication	Fair
Marketing and promotion	Fair
Interpretation	Good
Visitor management/tourism	Poor
Enforcement (custodians, police)	Not applicable

6.1.10 - Has any use been made of the World Heritage Strategy for Capacity Building at the property?

No use has been made of the World Heritage Strategy for Capacity Building

- 6.1.11 If the World Heritage Strategy for Capacity Building has been used, please briefly describe what has been done.
- 6.1.12 Are there site-specific capacity building plans or programmes that develop local expertise and that contribute to the transfer of skills for the conservation and management of the World Heritage property?

There is no site-based capacity building plan or programme in place; management is implemented by external staff and skills are not transferred

6.1.13 - Comments, conclusions and/or recommendations related to human resources, expertise and training

Conservation work done by external staff. Management by owner > information transferred.

- 7. Scientific Studies and Research Projects
- 7.1 Is there adequate knowledge (scientific or traditional) about the values and attributes of the World Heritage property to support planning, management and decision-making to ensure that Outstanding Universal Value is maintained?

Knowledge about the values and attributes of the World Heritage property is adequate

7.2 - Is there a planned programme of research at the property which is directed towards management needs and/or improving understanding of Outstanding Universal Value?

There is a small amount of research, but it is not planned

7.3 - Are results from research programmes publicly available and disseminated?

Research results are shared with local communities and partners but there is no active outreach to national or international agencies

- 7.4 Comments, conclusions and/or recommendations related to scientific studies and research projects
- 8. Education, Information and Awareness Building
- 8.1 Please rate the awareness and understanding of the existence and justification for inscription of the World Heritage property amongst the following groups

Local communities	Poor
Local/municipal authorities	Fair
Indigenous peoples	Not applicable
Landowners	Good
Women	Not applicable
Youth/children	Poor
Researchers	Good
Local visitors	Fair
National/international tourists	Fair
Tourism industry	Poor
Local businesses and industries	Poor
NGOs	Fair
Other specific groups	Not applicable
If you selected 'Other specific groups', please describe	

8.2 - Does the property have a heritage education programme(s) for children and/or youth, that can contribute to a better understanding of heritage, promote diversity and foster intercultural dialogue?

There is no education and awareness programme for children and/or youth, despite an identified need

8.3 - Who are the target audiences for education and awareness programmes at your property?

Verla Groundwood and Board Mill 29 of 37

Local communities	
Youth/children	
Local Visitors	
National/international tourists	

8.4 - Please rate the adequacy of the following visitor facilities and services at the World Heritage property for education, information, interpretation and awareness building

Visitor centre	Not needed
Site museum	Good
Information booths	Good
Guided tours	Good
Trails/routes	Good
Printed information materials	Good
Online (website, social media, etc.)	Good
Transportation facilities	Fair
Other	Not needed
If 'Other' is selected, please specify	

8.5 - Comments, conclusions and/or recommendations related to education, information and awareness building

Women are included in other groups (locals, authorities, landowners...). It is impossible to separate awareness of genders.

9. Visitor Management

9.1 - Please provide estimated annual visitor numbers (including national and international visitors) since the last Periodic Report

35 000 / 40 000 / 40 000 / 50 000 / 40 000 /

9.2 - What information sources are used to collect visitor statistics?

Entry tickets and registries

Accommodation establishments

Visitor surveys

Other

visitor counter

9.3 - What is the average length stay of a visitor to the World Heritage property?

One to three hours

9.4 - Please provide the source of information

9.5 - What is the approximate average daily visitor expenditure? (Please provide an estimated monetary figure in USD)

21,26 / 10,39 / 9,03 / 5,63 / 0 / 10,39 /

9.6 - Please provide the source of information

Visitor survey 2018

9.7 - Does the management system/plan for the World Heritage property include a strategy with an action plan to manage visitors, tourism activity and its derived economic, socio-cultural and environmental impacts?

There is no strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property

9.8 - Please provide any comments relating to the answer provided above in question 9.7

Site is not overcrowded. Visitor routes are structured.

9.9 - Is visitor use effectively managed to maintain the Outstanding Universal Value of the property?

There is some management of the visitor use of the World Heritage property

9.10 - Is the effectiveness of tourism management regularly monitored?

No

If a different system, please specify

9.11 - How does the tourism industry cooperate with the site management to improve visitor experiences and maintain the Outstanding Universal Value of the World Heritage property?

There is contact between those responsible for the World Heritage property and the tourism industry but this is largely confined to administrative or regulatory

Verla Groundwood and Board Mill 30 of 37

matters

9.12 - How well is the information on the Outstanding Universal Value of the property presented and interpreted?

The Outstanding Universal Value of the property is adequately presented and interpreted

9.13 - At how many locations is the World Heritage emblem displayed at the property?

In many locations and easily visible to visitors

9.14 - How does visitor/tourism revenue (e.g. entry charges, permits) contribute to the management of the World Heritage property? Fees are collected, and make some contribution to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

Visit Finlands Sustainable Trave Finland Programme

9.16 - Are the benefits of tourism shared with local communities?

Yes

If 'Yes', please specify

restaurant, shops and activities

9.17 - Comments, conclusions and/or recommendations related to visitation/tourism/public use of the World Heritage property

10. Monitoring

10.1 - Is there a monitoring programme at the property directed towards management needs and/or towards improving the understanding of the Outstanding Universal Value?

There is a **comprehensive**, **integrated programme of monitoring**, which is relevant to management needs and/or improving understanding of the Outstanding Universal Value

10.2 - Is necessary information available in order to define key indicators for measuring the state of conservation and are they used in monitoring how the Outstanding Universal Value of the property is being maintained?

Information on the values of the World Heritage property is sufficient to define key indicators, but this has not been done

10.3 - Are key indicators defined and in place for the following principal aspects of the property?

	Extend of indicators	Not applicable	No indicators	Indicators have been defined but are not yet in use	Indicators are in place and in use since the last Periodic Reporting cycle
10.3.1	State of conservation				×
10.3.2	Effectiveness of the management system		×		
10.3.3	Character of governance		×		
10.3.4	Appropriate synergy with other conservation designations		×		
10.3.5	Contribution to sustainable development				×
10.3.6	Capacity development		×		

10.4 - Please provide information on relevant key indicators adopted at the property

10.5 - Please rate the level of involvement in monitoring of the following groups:

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Fair
Local communities	Non-existent
Indigenous peoples	Not applicable
Landowners	Good
Women	Not applicable
Researchers	Non-existent
Tourism industry	Non-existent
Local businesses and industry	Not applicable
NGOs	Non-existent
Other specific groups	Not applicable

10.6 - Has the State Party implemented relevant recommendations arising from the World Heritage Committee?

No relevant Committee recommendations to implement

- 10.7 Please provide comments relevant to the implementation of recommendations from the World Heritage Committee.
- 10.8 Comments, conclusions and/or recommendations related to Monitoring
- 11. Identification of Priority Management Needs
- 11.1 Identification of Priority Management Needs

5.1	Boundaries and Buffer Zones	
5.1.2	The boundaries of the World Heritage property are known by the management authority but are not known by local communities/landowners	×
5.1.4	The buffer zones of the World Heritage property are known and recognised by the management authority but are not known and recognized by local communities/landowners	×
5.3	Management System/Management Plan	
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	
5.3.9	Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	×
5.3.17	• In a limited manner, the management system of the World Heritage property does contribute to fostering inclusive local economic development, and to enhancing livelihood	
6.1	Funding	
6.1.7	Human resources partly meet the management needs of the World Heritage property	×
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	×
6.1.12	There is no site-based capacity building plan or programme in place; management is implemented by external staff and skills are not transferred	×
7	Scientific Studies and Research Projects	
7.2	There is a small amount of research in the World Heritage property but it is not planned	×
7.3	Research results are shared with local communities and partners but there is no active outreach to national or international agencies	×
8	Education, Information and Awareness Building	
8.2	There is no heritage education and awareness programme for children and/or youth, despite an identified need	×
9	Visitor Management	
9.7	There is no strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property	×
9.9	There is some management of the visitor use of the World Heritage property	
9.11	There is contact but this is largely confined to administrative or regulatory mattersThere is contact between those responsible for the World Heritage property and the tourism industry but this is largely confined to administrative or regulatory matters	
10	Monitoring	
10.2	Information on the values of the World Heritage property is sufficient to define key indicators, but this has not been done	
Pleas	se select 0 more issues.	
N pu	page cave this question to reflect changes	
Z PI	ease save this question to reflect changes	

- 12. Summary and Conclusions
- 12.1. Summary Factors affecting the Property
- 12.1.1 Summary Factors affecting the Property

4.2	Transportation	Transportation Infrastructure								
4.2.1	Ground transport infrastructure	The road through the site is an essential part of the site and its landscape. But it is also a potential element of danger for the visitors walking around.	Site managers could ask speed bumps or some other solution to make it safer.	-	Site management not able to influence.	Centre for Economic Development, Transport and the Environment	r			

Verla Groundwood and Board Mill 32 of 37

4.3	Services Infrastruct	Services Infrastructures										
4.3.3	Non-renewable energy facilities	the mill and its backup system	Should find out the possibility to use renewable fuel or to modify system for it.	- Part of our sustainable travel programme.								
4.7	Local conditions af	Local conditions affecting physical fabric										
4.7.7	Pests	Mice and other small rodent can cause some small damage in the buildings.	3, 3, , , , , , , , , , , , , , , , , ,									
4.8	Social/Cultural uses	s of heritage										
4.8.4	Changes in traditional ways of life and knowledge system	Workers life in the mill village: There are only few people left who still remember the mill in function and life in the village.	Those remaining have been - interviewed.	nothing much to do								
4.8.5	Identity, social cohesion, the site buffer zone (only one person lives on the site). population and community		Remote location: site is not able to affect.									
4.12	Invasive/alien speci	ies or hyper-abundant species										
4.12.2	Invasive/Alien terrestrial species	spreading from the buffer zone property to the site. Difficult to	entre for Economic Development, ransport and the Environment - othing done yet.	Centre for Economic Development, - Transport and the Environment								
Summary -	Factors affecting the I	zone (property landowner doesn't do anything about it)										

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

	Boundaries and Buffer Zones									
5.1	Boundarie	s and Buffer Zon	es							
			Actions	Timeframe		Lead agency (and others involved)		More info / comment		
5.1.2	The boundaries of the World Heritage property are known by the management authority but are not known by local communities/landowners		Information meeting with the local residents.	2023		mill museum		part of our sustainability programme		
5.1.4			Information meeting with the local residents.	Summer 2023.		Organiser the mill m	nuseum	Part of our Sustainable Programme.	e Travel	
5.3		Management S	ystem/Management Plan							
5.3.9		Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	A new extended risk analysis s done. Last one was only for th outdated (2005). Biggest probleen taken care of: 2006 sprin 2013 shelter dam to prevent the flooding to the mill 2018 heating	e mill and it is lems have akler system ne water	During the next	5 years.	Do not k	now yet.		
6.1	Fun	ding								

Verla Groundwood and Board Mill 33 of 37

6.1.7		Human Only 2 regular workers on the site. resources Outsourcing service and temporary staff. partly meet the management needs of the World Heritage property			on-going			-				
6.1.10	No use has been made of the World heritage Strategy for Capacity Development at the World Heritage property				Mill museum			Only 2 regular workers.				
6.1.12		There is no site-based capacity building plan or programme in place; management is implemented by external staff and skills are not transferred	C N r N fi	Only 2 regular workers on the site. Outsourcing service and temporary staff. Management is not outsourced. Management information transferred forward.		- 1		Mill museum			Only 2 people working on this site	
7	Scien	ntific Studies ar	nd Res	search Projects								
7.2	world proper is no	unt of rearch in the different diffe	eseard		asap			museum			-	
7.3	Research We publish parts of researches on our results are website blog. shared with local communities and partners but there is no active outreach to national or international agencies		-						Not site.	much research done by our		
8		Education, Inf	format	tion and Awareness Building								
8.2	There is no heritage education and awareness programme for children and/or youth, despite an identified need		I for			-		Our staff has no pe	edagog	gic know-how.		
9	Visitor Management											
9.7	There is no strategy to plan but there is no need for an action plan. tourism activity and its derived impacts on the World Heritage property					ent	-	-		Our site is not ove	ercrowo	ded due to remote location.
Summary - Mai	nager	nent Needs o	omple	eted								

12.3. Conclusions on the State of Conservation of the Property

12.3.1 - Following the analysis undertaken for this report, what is the current state of Authenticity of the World Heritage property?

The Authenticity of the World Heritage property has been preserved

Verla Groundwood and Board Mill 34 of 37

12.3.2 - Following the analysis undertaken for this report, what is the current state of Integrity of the World Heritage property? The Integrity of the World Heritage property is intact

12.3.3 - Following the analysis undertaken for this report, what is the current state of the World Heritage property's Outstanding Universal Value?

The World Heritage property's Outstanding Universal Value has been maintained.

12.3.4 - What is the current state of the property's other values?

Other important cultural and/or natural values and the state of conservation of the World Heritage property are intact

- 12.3.5 Comments. conclusions and/or recommendations related to the state of conservation of the property.
- 13. Impact of World Heritage Status
- 13.1 Please rate the impacts of World Heritage status of the property in relation to the following areas

Conservation	Very positive
Research and monitoring	Very positive
Management effectiveness	Very positive
Quality of life for local communities and indigenous peoples	Positive
Recognition	Very positive
Education	Not applicable
Infrastructure development	Positive
Funding for the property	Very positive
International cooperation	Not applicable
Political support for conservation	Not applicable
Legal/Policy framework	Very positive
Advocacy	Positive
Institutional coordination	Not applicable
Security	Very positive
Gender equality	Not applicable
Provision of ecosystem services/ benefits to local communities	Positive
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	Not applicable
Fostering inclusive local economic development and enhancing livelihood	Positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Not applicable
Other	Not applicable
If 'Other', please specify	

13.2 - Comments, conclusions and/or recommendations related to World Heritage status and its impacts

- 14. Good Practice in the Implementation of the World Heritage Convention
- 14.1 Example of good practice in World Heritage protection, identification, conservation or management at the property level On-going long-term plan for building conservation on the site. Updated annually.
- 14.2 Define which topics are covered by this example of best practice at the property level

State of Conservation

Management

- 15. Assessment of the Periodic Reporting Exercise
- 15.1. Relevance of Periodic Reporting
- 15.1.1 Has the Periodic Reporting process improved the understanding of the following?

The property's Outstanding Universal Value

Monitoring and reporting

15.1.2 - Please rate the follow-up to conclusions and recommendations from previous Periodic Reporting exercise by the following entities

State Party	Not needed
Site Managers	No follow-up
UNESCO World Heritage Centre	Not needed
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Not needed

15.2. Use of Data

15.2.1 - How do the authorities in charge of the property plan to use the data recorded from this cycle of Periodic Reporting?

Update of management plans

15.2.2 - Comments on use of data from the Cycle of Periodic Reporting

15.3. Timing and resources

15.3.1 - Entities involved in the filling out of this online questionnaire (tick as many boxes as applicable)

Site Manager/Coordinator World Heritage property staff

15.3.2 - Has a gender balanced contribution and participation been considered in the filling out of this questionnaire? Gender balance has **not been explicitly** considered or implemented in the process.

15.3.3 - Were you given adequate time (i.e. roughly ten months) to gather necessary information and to fill in this questionnaire? Yes

15.3.4 - Please estimate the time (working hours) needed to complete this questionnaire

For example visitor survey made earlier (2018) / 10 h / 80 h /

15.3.5 - Did you mobilise any additional resources to fill out this questionnaire?

	Additional resources	No	Yes
15.3.5.1	Human resources	×	
15.3.5.2	Financial resources for organizing consultation meetings/ training	×	

15.4. Format and content of the Periodic Report

15.4.1 - How accessible was the information required to complete this questionnaire?

Most required information was accessible.

15.4.2 - Was the questionnaire easy to use and clear to understand?

		Very Difficult	Difficult	Easy	Very easy
15.4.2.1	Ease of use of questionnaire			×	
15.4.2.2	Clarity of questions	×			

15.4.3 - Please provide suggestions for improvement of the Periodic Reporting questionnaire

Some questions were difficult to understand - still not sure we understood correctly. Should be possibility to pass the question if not relevant to the site (we used 'not applicable' option for this). For example questions of gender equality feel a bit strange in Finland, where everyone really is equal. Women are included in different groups like landowners, authorities, locals... It goes without saying that we are talking about people, not genders.

15.5. Training and Guidance

15.5.1 - Please rate the level of support in terms of training and guidance from the following entities in completing this questionnaire

UNESCO World Heritage Centre	Not applicable
UNESCO (other sectors/field offices)	Not applicable
UNESCO National Commission	Not applicable
ICOMOS International	Not applicable
IUCN International	Not applicable
ICCROM international/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Not applicable

Verla Groundwood and Board Mill 36 of 37

15.5.2 - Please rate the level of support for completing the Periodic Reporting questionnaire from the following entities

UNESCO World Heritage Centre	Not applicable
State Party Representative (national Focal Point)	Fair
UNESCO other sectors (e.g. field office)	Not applicable
National Commission for UNESCO	Not applicable
ICOMOS International	Not applicable
ICCROM International/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Not applicable
IUCN International	Not applicable

15.5.3 - Were the online training resources prepared by the World Heritage Centre regarding Periodic Reporting adequate for you to complete this questionnaire?

Not applicable (i.e. I did not use these resources)

- 15.5.4 If you found that the online training resources were not adequate, what changes would you like to see implemented?
- 15.6. Actions that will require formal consideration by the World Heritage Committee
- 15.6.1 Summary of actions that will require formal consideration by the World Heritage Committee
 - Statement of Outstanding Universal Value for the property as adopted by the World Heritage Committee
 Reason for update: The first groundwood mill in Verla was founded in 1872 and destroyed by fire in 1874. A new groundwood and board mill began operations ten years later 1882. Rockpainting is representing hunting culture (not fishing). To solve this problem, a new power plant canal... Should be "...a new shelter dam, which separates the water from the building, was finished in January 2014." Heating was restored to the mill in 2018. The museum is closed during the wintertime. Site can be visited independently

Changes to these items will need to go through the proper processes.

- 15.7. Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise
- 15.7.1 Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise
- 15.7.2 Thank you for having filled in all the questions. Please contact your National Focal Point for validation.

Verla Groundwood and Board Mill 37 of 37