Engelsberg Ironworks

- 1. World Heritage Property Data
- 1.1 Name of World Heritage property

Engelsberg Ironworks

- 1.2 World Heritage property details
- 1.3 Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Engelsberg Ironworks	59.967 / 16.008	9.596	0	9.596	1993
Total (ha)		9.596	0	9.596	

1.4 - Map(s)

Title	Date	Link to source
Engelsberg Ironworks - map of the inscribed property	2006	

Comment

A new map has been sent to the Swedish National Heritage Board.

- 1.5 Web and Social Media data of the property (if applicable)
 - 1. National Heritage Board of Sweden
 - 2. Ekomuseum Bergslagen

Comment

www.engelsberg.se

- 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
- 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

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?

Not applicable

Engelsberg Ironworks 1 of 36

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?

Not applicable

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?

Not applicable

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

Engelsberg Ironworks 2 of 36

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

Statement of Outstanding Universal Value

Brief synthesis

Engelsberg Ironworks, situated in the mining area of Norberg in central Sweden, is an outstanding example of an influential European industrial complex of the 17th to 19th centuries. It is the best preserved and most complete example of a Swedish iron-working estate (*järnbruk*) of the type which produced superior grades of iron. This made Sweden an economic leader in this field for two centuries and significantly contributed to the country's prosperity during that period. Important examples of the technological equipment of this era as well as associated administrative and residential buildings are preserved within the property.

Local inhabitants began mining ore and smelting in the 12th century as a supplement to agricultural activities. The introduction of the waterwheel for powering the blast furnace, bellows, and forge to refine iron ore led to the rapid development of the Swedish iron industry. The first iron forge at Engelsberg was in operation during the last years of the 16th century; substantial operations were in place by the mid-17th century. In 1681, a nobleman built a blast furnace at Engelsberg in order to produce pig iron. The present blast furnace, built in 1778-1779 along with an ore crusher and a large charcoal store, incorporated a number of then-contemporary technological innovations. The introduction of a new blowing engine in 1836 resulted in a significant increase in production. A gas-fired ore-roasting kiln was added in 1848. The forge, which was rebuilt in the later 18th century, was re-equipped with French hearths in the 1850s. Axel Ax:son Johnson bought the Engelsberg ironworks in 1916, but found the older works increasingly uneconomical, and closed it down in 1919.

Most of the technological, administrative, and residential buildings at Engelsberg Ironworks have been conserved in their original condition. The 18th-century smelting house, together with its associated installations from later periods, still remains intact. Collectively, they provide a very complete picture of the technological equipment of a traditional Swedish *järnbruk*. The complex also contains a range of administrative and residential buildings for managers and workers, as well as for those who worked on the associated farm. These include the main building (erected about 1750), office building, inspector's house, smiths' cottages, coach-house, stables, brewery, master gardener's house (1790), and a monumental barn of slag stone (1872). Over 50 buildings of various ages and functions have been preserved here, making Engelsberg one of the most important iron-making complexes from this era in the world.

Criterion (iv): Engelsberg is an outstanding example of an influential European industrial complex of the 17th-19th centuries, with important technological remains and the associated administrative and residential buildings intact.

Integrity

Within the boundaries of the 9.596ha property are located all the elements necessary to express the Outstanding Universal Value of Engelsberg Ironworks, including technological, administrative, and residential buildings. Its boundaries adequately ensure the complete representation of the features and processes that convey the property's significance. There is no buffer zone for the property. The property does not suffer unduly from adverse effects of development and/or neglect.

According to the detailed comprehensive plan for Ängelsberg Municipality, developmental pressure constitutes a constant potential risk to the integrity of this property. Due to structural changes affecting traditional industries and the closing of factories, the population of Ängelsberg Municipality decreased significantly during the 20th century, from 700 to 150 inhabitants. The Swedish authorities believe that this trend may also affect the management of the property: if not addressed, there may be a negative impact on the level of service facilities, especially for tourists. The authorities likewise believe a low increase in visitors to be of vital importance for maintaining the Outstanding Universal Value of the property. They also consider it vitally important that private ownership of the property not be restricted.

Authenticity

Engelsberg Ironworks is authentic in its location and setting, forms and designs, and materials and substances. Despite having ceased operations in 1919, most of the technological, administrative, and residential buildings have been conserved in their original condition, and the restoration works have been of the highest quality in terms of techniques and materials.

Protection and management requirements

The attributes that sustain the Outstanding Universal Value of Engelsberg Ironworks are protected under the comprehensive, interlocking Swedish legislation for cultural and environmental protection. The property enjoys strong legal protection under the *Cultural Heritage Act* (1988) as a national monument (1974). Swedish law effectively forbids developers from compromising the environmental values of Engelsberg. The entire area of Engelsberg Ironworks is explicitly included in the Area of National Interest for Strömsholm Canal established under the federal *Environmental Code*.

The relevant regional authority for Engelsberg Ironworks is the Västmanland County Administrative Board. Overall national supervision of all cultural properties is exercised by the Swedish National Heritage Board. Building permits are granted by Fagersta Municipality. Engelsberg Ironworks is owned and maintained by a private company, Nordstjernan AB. A Management Council is responsible for the inspection of the buildings, ensuring that maintenance measures are undertaken by experts and, when necessary, by external specialists. The goal of the Management Council is the continued protection and development of this World Heritage property. It maintains contact with relevant authorities, and ensures that Engelsberg Ironworks is protected and accessible. The management plan, prepared in 2005, is continuously updated, and the houses are kept and restored accordingly. Engelsberg Ironworks is open and accessible to the public at specific times.

Sustaining the Outstanding Universal Value of the property over time will require managing, to the degree possible, the ongoing developmental pressure and the population decline related to structural changes affecting traditional industries and the closing of factories.

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	Complete iron-working estate	×			
3.2.2	Technological equipment; blast furnace, bellows and forge	×			
3.2.3	Administrative and residential buildings	×			
3.2.4	Wood timber and slag stone architecture	×			
3.2.5	Buildings painted with Falu Rödfärg	×			
3.2.6	Environmental structures including stream, dirt roads, paths and bridges	×			
3.2.7					
3.2.8					

Engelsberg Ironworks 3 of 36

3.2.9			
3.2.10			
3.2.11			
3.2.12			
3.2.13			
3.2.14			
3.2.15			

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

- 4. Factors Affecting the Property
- 4.1. Buildings and Development

4.1.1 - Housing

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.1.2 - Commercial development

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.1.3 - Industrial areas

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

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

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

Engelsberg Ironworks 4 of 36

4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (12/07/2013):

Not relevant

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

4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	× 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

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (12/07/2013):

Not relevant

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

4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (12/07/2013):

Not relevant

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

4.3.4 - Localised utilities

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant		✗ Not relevant
----------	--	----------------

4.3.5 - Major linear utilities

Previous answer Cycle 2 (12/07/2013):

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

4.4. Pollution

4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (12/07/2013):

Not relevant

evant	X Not relevant
-------	----------------

4.4.2 - Ground water pollution

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

4.4.3 - Surface water pollution

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

Engelsberg Ironworks 5 of 36

4.4.4 - Air pollution

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	✗ Not relevant

4.4.5 - Solid waste

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	✗ Not relevant
. to lovality	** Not relevant

4.4.6 - Input of excess energy

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant		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 (12/07/2013):

Not relevant

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

4.5.2 - Aquaculture

Previous answer Cycle 2 (12/07/2013):

Not relevant

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

4.5.3 - Land conversion

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

4.5.5 - Crop production

Previous answer Cycle 2 (12/07/2013):

Not relevant

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

4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

Engelsberg Ironworks 6 of 36

4.5.8 - Commercial hunting

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

4.5.9 - Subsistence hunting

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

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

Question 4.5.5 The formal garden, from the end of the 1800th century, north of the manor house has been restored. It brings a better understanding of the overall picture of a manor in the mining district "Bergslagen". The products from the garden are used during arrangements at the site. The factors are affecting the property positively.

4.6. Physical resource extraction

4.6.1 - Mining

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	✗ Not relevant

4.6.2 - Quarrying

Previous answer Cycle 2 (12/07/2013):

Not relevant

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

4.6.3 - Oil and gas

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

4.6.4 - Water (extraction)

Previous answer Cycle 2 (12/07/2013):

Not relevant

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

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

positively

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	× Not relevant

4.7.2 - Relative humidity

Previous answer Cycle 2 (12/07/2013):

Not relevant

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

Engelsberg Ironworks 7 of 36

Negative X	×		×				į	P
4.7.3 - Temperature								
Previous answer Cycle 2 (12/07/2 • Not relevant	2013):							
Relevant			× Not relevant					
4.7.4 - Radiation/Light								
Previous answer Cycle 2 (12/07/2 • Not relevant	2013):							
Relevant			× Not relevant					
4.7.5 - Dust								
Previous answer Cycle 2 (12/07/2 • Not relevant	2013):							
Relevant			× Not relevant					
4.7.6 - Water (rain/water tab	le)							
Previous answer Cycle 2 (12/07/2 • Not relevant	2013):							
Relevant			× Not relevant					
4.7.7 - Pests								
Previous answer Cycle 2 (12/07/2 • Not relevant	2013):							
Relevant			× Not relevant					
4.7.8 - Micro-organisms								
Previous answer Cycle 2 (12/07/2 • Not relevant	2013):							
Relevant			× Not relevant					
4.7.9 - Please comment as a positively	necessary on ho	ow the factors	selected as r	elevant in 4.7 a	re affecting the pro	operty either r	negatively	or

Question 4.7.2 Some of the old buildings from the industrial era are affected negative by relative humidity. These buildings were previously warmed up by the industrial activity inside. Since there is no longer any industrial activity, these buildings are no longer warmed up. Instead the humidity is high during some time of the year. The relative humidity is negatively affecting the contructions of the buildings.

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (12/07/2013):

• Not relevant

Relevant X Not relevant

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant Not relevant

Engelsberg Ironworks 8 of 36

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

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

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

4.9. Other human activities

4.9.1 - Illegal activities

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	✗ Not relevant

4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (12/07/2013):

Not relevant

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

4.9.3 - Military training

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

4.9.4 - War

Previous answer Cycle 2 (12/07/2013):

Not relevant

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

4.9.5 - Terrorism

Previous answer Cycle 2 (12/07/2013):

• Not relevant

Relevant	X Not relevant

4.9.6 - Civil unrest

Previous answer Cycle 2 (12/07/2013):

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

4.9.2 There has been some deliberate destruction of the blast furnace in the ironworks due to vandalism. The blast furnace is remote, out of sight and vandalism is therefore hard to discover. The owner has taken actions to prevent further vandalism.

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (12/07/2013):

Not relevant

Engelsberg Ironworks 9 of 36

★ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Gurrent	Potential	Inside	© Outside	→ Decreasing	→ Stable	Increasing
O Positive							
		×	×	×			7

4.10.2 - Flooding

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.10.3 - Drought

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.10.4 - Desertification

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.10.6 - Temperature change

Previous answer Cycle 2 (12/07/2013):

Not relevant

4.10.7 - Other climate change impacts

Previous answer Cycle 2 (12/07/2013):

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 (12/07/2013):

Not relevant

Relevant X Not relevant

4.11.2 - Earthquake

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

Engelsberg Ironworks 10 of 36

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	X Not relevant

4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (12/07/2013):

Not relevant

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

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

4.11.6 Due to climate change there is more often extremely heat during the summer and at the same time drought. In the summer of 2014 the Engelsberg ironworks was threatened by a wildfire in a large forest area south-southeast of the heritage. The wildfire reached ca 500 m from the eastern boundary of the World heritage. The heritage property was not damaged in the wildfire and the wildfire has not visibly affected the landscape seen from the heritage.

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant X Not relevant

Engelsberg Ironworks 11 of 36

4.12.6 - Modified genetic material

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	× 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

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

★ Relevant				Not relevant						
	Impact Origin									
Impact	G Current	Potential	Inside	G Outside	▶ Decreasing	⇒ Stable	Increasing			
O Positive 🗶	×		×	×		→				
Negative										

4.13.2 - Legal framework

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

4.13.3 - Governance

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

4.13.4 - Management activities

Previous answer Cycle 2 (12/07/2013):

• Relevant, Positive, Current, Inside, Outside

X Relevant	Not relevant								
	Impact		Origin		Trend of impact				
Impact	Current	Potential	Inside	Outside	№ Decreasing	⇒ Stable	Increasing		
○ Positive ★	×		×	×		→			
Negative									

4.13.5 - Financial resources

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

4.13.6 - Human resources

× Relevant			Not relevant	
	Impact	Origin		Trend of impact

Engelsberg Ironworks 12 of 36

Impact	Current	Potential	Inside	Outside	▶ Decreasing	→ Stable	Increasing
Positive X	×	×	×	×		\Rightarrow	
Negative							

4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (12/07/2013):

• Relevant, Positive, Current, Inside, Outside

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

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (12/07/2013):

Not relevant

Relevant	✗ 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

4.14. Other factor(s)

4.14.1 - Other factor(s)

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact				Origin	
4.5 Biological resource use/modification						
4.5.5 Crop production	O	9		•		\rightarrow
4.7 Local conditions affecting physical fabric						
4.7.2 Relative humidity						
		9		•		/
4.9 Other human activities						
4.9.2 Deliberate destruction of heritage						
			9	•		\rightarrow
4.10 Climate change and severe weather events						
4.10.1 Storms						
			9	•	Œ	P
4.10.6 Temperature change						
		9	q	•	G	/
4.11 Sudden ecological or geological events						
4.11.6 Fire (wildfire)						
			9		G	\rightarrow
4.13 Management and institutional factors						
4.13.1 Management system/Management plan	0	9		•	G	\rightarrow
4.13.2 Legal framework	0	9		•	G	\rightarrow

Engelsberg Ironworks 13 of 36



4.16. Assessment of current and potential positive and negative factors

4.16.1 - Assessment of current and potential negative and positive factors

4.5 Biological resource use/modification

Name		Impact		Origin	Trend
4.5.5 Crop	production		q	•	→
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				
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				

Engelsberg Ironworks 14 of 36

4.7 Local conditions affecting physical fabric

Name		Impact		Origin	Trend
4.7.2 Relati	ve humidity				
			9	•	<i>P</i>
Custial sea	le. Avec effected by the feator				
Spatiai 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	relopement over the last 6 years				
	Decreasing				
×	Static				
	Increasing				

4.9 Other human activities

Temporal scale - Occurence of the impact

Name		Impact		Impact		Origin	Trend						
4.9.2 Delib	erate destruction of heritage												
		0	9	•	\rightarrow								
Spatial sca	ale - Area affected by the factor												
×	Restricted												
	Localised												
	Extensive												
	Widespread												

Engelsberg Ironworks 15 of 36

×	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
Manageme	ent response - Capacity of management to respond
×	High capacity
×	High capacity Medium capacity
×	
×	Medium capacity
	Medium capacity Low capacity
	Medium capacity Low capacity No capacity and / or resources
	Medium capacity Low capacity No capacity and / or resources velopement over the last 6 years

4.10 Climate change and severe weather events

Name	Impact		ict			Trend
4.10.1 Storms	9					
			9	•	G	-
Snotial coals. Area offeeted by the factor						
Spatial scale - 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						
Impact - Impact on the attributes						
Insignificant						
Minor						
Significant						
Major						
Management response - Capacity of management to respond						
High capacity						
Medium capacity						
Low capacity						

Engelsberg Ironworks 16 of 36

	No capacity and / or resources			
Trend - Dev	elopement over the last 6 years			
	Decreasing			
	Static			
	Increasing			
Name		Impact	Origin	Trend
4.10.6 Tem	perature change			

		•			•		
4.10.6 Tem	perature change						
			q	9	•	Œ	1
Spatial sca	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						
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						
	Static						

4.11 Sudden ecological or geological events

Increasing

Localised Extensive

Name	Impact		Origin		Trend
4.11.6 Fire (wildfire)					
	a			G	\rightarrow
Spatial scale - Area affected by the factor					
Restricted					

Engelsberg Ironworks 17 of 36

×	Widespread
Temporal s	scale - 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
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - De	velopement over the last 6 years
	Decreasing
×	Static
	Increasing

4.13 Management and institutional factors

Name		Impact		Origin		Trend
4.13.1 Man	agement system/Management plan	•	F	•	Œ	\rightarrow
0 411						
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					

Engelsberg Ironworks 18 of 36

	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - Dev	relopement over the last 6 years					
	Decreasing					
×	Static					
	Increasing					
Name		Impact		Origin		Trend
4.13.2 Lega	l framework	O	4	•	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					
	Insignificant Minor					
×						
×	Minor					
	Minor Significant					
	Minor Significant Major					
Manageme	Minor Significant Major nt response - Capacity of management to respond					
Manageme	Minor Significant Major Intresponse - Capacity of management to respond High capacity					
Manageme	Minor Significant Major nt response - Capacity of management to respond High capacity Medium capacity					
Manageme	Minor Significant Major Intresponse - Capacity of management to respond High capacity Medium capacity Low capacity					
Manageme	Minor Significant Major Int response - Capacity of management to respond High capacity Medium capacity Low capacity No capacity and / or resources					
Manageme X	Minor Significant Major Int response - Capacity of management to respond High capacity Medium capacity Low capacity No capacity and / or resources relopement over the last 6 years					
Management ×	Minor Significant Major Int response - Capacity of management to respond High capacity Medium capacity Low capacity No capacity and / or resources relopement over the last 6 years Decreasing					
Management ×	Minor Significant Major Intresponse - Capacity of management to respond High capacity Medium capacity Low capacity No capacity and / or resources relopement over the last 6 years Decreasing Static					
Management × Trend - Dev	Minor Significant Major Int response - Capacity of management to respond High capacity Medium capacity Low capacity No capacity and / or resources relopement over the last 6 years Decreasing Static Increasing	Impact		Origin ©	(E	Trend ⇒
Management ×	Minor Significant Major Int response - Capacity of management to respond High capacity Medium capacity Low capacity No capacity and / or resources relopement over the last 6 years Decreasing Static Increasing	Impact ③	व	Origin (3)	·	Trend →
Management × Trend - Dev	Minor Significant Major Int response - Capacity of management to respond High capacity Medium capacity Low capacity No capacity and / or resources relopement over the last 6 years Decreasing Static Increasing				C.	Trend ⇒
Management Trend - Dev Name 4.13.3 Gove	Minor Significant Major Int response - Capacity of management to respond High capacity Medium capacity Low capacity No capacity and / or resources relopement over the last 6 years Decreasing Static Increasing				&	Trend ⇒
Management Trend - Dev Name 4.13.3 Gove	Minor Significant Major Int response - Capacity of management to respond High capacity Medium capacity Low capacity No capacity and / or resources relopement over the last 6 years Decreasing Static Increasing				E	Trend ⇒

Engelsberg Ironworks 19 of 36

	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	relopement over the last 6 years					
	Decreasing					
×	Static					
	Increasing					
Name		Impact		Origin		Trend
4.13.4 Man	agement activities	()	9	•	F	→
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					
×	Insignificant					
×	Insignificant Minor					
	Insignificant Minor Significant					

Engelsberg Ironworks 20 of 36

	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Dev	velopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
Name		Impact	i		Origin		Trend
4.13.5 Fina	ncial resources	O	4	9	•	(→
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 - Dev	relopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
Name 4.13.6 Hum	an resources	Impact	· •	9	Origin	Œ	Trend
		9		U		3	
Spatial sca	le - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						

Engelsberg Ironworks 21 of 36

	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	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						
Name		Impact			Origin		Trend
	impact research/monitoring activities	Impact	i eq	q	Origin	F	Trend ⇒
	impact research/monitoring activities			9			
4.13.7 Low	impact research/monitoring activities			9			
4.13.7 Low				q			
4.13.7 Low	ale - Area affected by the factor			4			
4.13.7 Low	ale - Area affected by the factor Restricted			q			
4.13.7 Low	Restricted Localised			ब			
4.13.7 Low Spatial sca	Restricted Localised Extensive			q			
4.13.7 Low Spatial sca	Restricted Localised Extensive Widespread			व			
4.13.7 Low Spatial sca	Restricted Localised Extensive Widespread scale - Occurrence of the impact			व			
4.13.7 Low Spatial sca	Restricted Localised Extensive Widespread scale - Occurrence of the impact One off or rare			व			
4.13.7 Low Spatial sca	Restricted Localised Extensive Widespread scale - Occurence of the impact Untermittent or sporadic			व			
4.13.7 Low Spatial sca	Restricted Localised Extensive Widespread scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent			द			
4.13.7 Low Spatial sca	Restricted Localised Extensive Widespread Congoing			व			
4.13.7 Low Spatial sca	Restricted Localised Extensive Widespread Cone off or rare Intermittent or sporadic Frequent On-going Apact on the attributes			द्			
4.13.7 Low Spatial sca	Restricted Localised Extensive Widespread scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going spact on the attributes Insignificant			द			
4.13.7 Low Spatial sca	Restricted Localised Extensive Widespread Scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going Inpact on the attributes Insignificant Minor			द			
4.13.7 Low Spatial sca X Temporal s	Restricted Localised Extensive Widespread Scale - Occurence of the impact One off or rare Intermittent or sporadic Frequent On-going Inpact on the attributes Insignificant Minor Significant			व			
4.13.7 Low Spatial sca X Temporal s	Restricted Localised Extensive Widespread Cone off or rare Intermittent or sporadic Frequent On-going Insignificant Minor Significant Major			द्			

Engelsberg Ironworks 22 of 36

	Low capacity
	No capacity and / or resources
Trend - De	velopement 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)

	Attribute	Preserved	Compromised	Seriously compromised	Lost
4.18.1.1	Complete iron-working estate	×			
4.18.1.2	Technological equipment; blast furnace, bellows and forge	×			
4.18.1.3	Administrative and residential buildings	×			
4.18.1.4	Wood timber and slag stone architecture	×			
4.18.1.5	Buildings painted with Falu rödfärg	×			

- 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 both the management authority and 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 property has no buffer zone and does not need one

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

The property has **no known and recognised** buffer zone

- 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).

Engelsberg Ironworks is protected under the comprehensive, interlocking Swedish legislation for cultural and environmental protection.

The site enjoys strong legal support as a National Heritage monument. Swedish law effectively forbids developers to compromise the environmental values of Engelsberg.

Its status as a place of national importance is independent of the World Heritage Convention. This further strengthens the protection of Engelsberg.

Source: Periodic Reporting Cycle 2

- 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 property has no buffer zone

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?

Engelsberg Ironworks 23 of 36

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 Private ownership/management

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.

Governance mechanisms that foster and respect traditional practices, knowledge and uses of the property

A management plan

An annual work plan or business plan

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

The management system of the heritage has an administrative council. They produce a management plan including an annual business plan, concerning both investment and maintenance. A planning group with adequate skills (for exemple owner, architect, archivist, site manager, specialists) are responsible for the overall planning and management of the site and meets on a monthly basis. Each project has its on project team.

5.3.4 - Management Documents

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?

 No 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
- 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 all of its activities are being implemented and monitored

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			×		

Engelsberg Ironworks 24 of 36

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	×			
	If you selected, 'Other specific groups' please specify				

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

Question 5.3.16. These groups are included in our daily work.

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

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.

Engelsberg Ironworks 25 of 36

		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	%	%
6.1.1.5	International donations (NGOs, foundations, etc.)	%	%
6.1.1.6	Governmental (national/federal)	%	%
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.)	%	%
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	%	%
6.1.1.12	Other	100 %	100 %
		Total 100 %	Total 100 %

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

Engelsberg is a private owned property and the owner pays for 100% of the costs for the world heritage site.

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	50 %	50 %
6.1.6.2	Women	50 %	50 %
		Total 100 %	Total 100 %

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

Human resources are adequate for management needs

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	Not applicable
Community participation and inclusion	Not applicable
Risk preparedness	Fair
Capacity development and education	Good
Administration	Good
Research and monitoring	Good
Awareness raising and public information/communication	Good
Marketing and promotion	Not applicable
Interpretation	Good
Visitor management/tourism	Good
Enforcement (custodians, police)	Good

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

Conservati	ion G	Good
------------	-------	------

Environmental sustainability	Not applicable
Community participation and inclusion	Not applicable
Risk preparedness	Fair
Capacity development and education	Good
Administration	Good
Research and monitoring	Good
Awareness raising and public information/communication	Fair
Marketing and promotion	Not applicable
Interpretation	Not applicable
Visitor management/tourism	Fair
Enforcement (custodians, police)	Fair

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?

A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, but most technical work is carried out by external staff

- 6.1.13 Comments, conclusions and/or recommendations related to human resources, expertise and training
- 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 considerable research but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value

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

Research results are shared with local communities and some national 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	Good
Local/municipal authorities	Good
Indigenous peoples	Fair
Landowners	Good
Women	Fair
Youth/children	Fair
Researchers	Fair
Local visitors	Good
National/international tourists	Good
Tourism industry	Good
Local businesses and industries	Good
NGOs	Good
Other specific groups	Not applicable

Engelsberg Ironworks 27 of 36

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 a limited and ad hoc education and awareness programme for children and/or youth

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

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	Not needed
Information booths	Fair
Guided tours	Good
Trails/routes	Fair
Printed information materials	Fair
Online (website, social media, etc.)	Fair
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
- 9. Visitor Management
- 9.1 Please provide estimated annual visitor numbers (including national and international visitors) since the last Periodic Report

1050 / 500 /

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

Entry tickets and registries

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

The owner's administration of guided tours. The area is free to visit and the parking is free of charge, why there are more visitors to the heritage site then those who attends a guided tour.

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

0/0/0/11/0/0/

- 9.6 Please provide the source of information
- 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 a planned and effective 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
- 9.9 Is visitor use effectively managed to maintain the Outstanding Universal Value of the property?

Visitor use of the World Heritage property is effectively managed and does not impact its Outstanding Universal Value

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 limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation

Engelsberg Ironworks 28 of 36

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 one location 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, but make no contribution to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?

NI

If 'Yes', please specify

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

Yes

If 'Yes', please specify

Tourists use the local restaurants/cafes and visit others site in the local area.

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 considerable monitoring but it is not directed towards management needs and/or improving the understanding of 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	Good
Local communities	Not applicable
Indigenous peoples	Not applicable
Landowners	Not applicable
Women	Not applicable
Researchers	Not applicable
Tourism industry	Not applicable
Local businesses and industry	Not applicable
NGOs	Not applicable
Other specific groups	Not applicable
If you selected 'Other specific groups', please specify	

Engelsberg Ironworks 29 of 36

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

Implementation is underway

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	
5.1.3	The property has no buffer zone	
5.1.4	The property has no known and recognised buffer zone	
5.2	Protective Measures	
5.2.4	The property has no buffer zone	
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	No 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 gender equality In a limited manner, the management system of the World Heritage property does provide ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants) In a limited manner, the management system of the World Heritage property does contribute to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status In a limited manner, the management system of the World Heritage property does integrate a human rights-based approach In a limited manner, the management system of the World Heritage property does contribute to fostering inclusive local economic development, and to enhancing livelihood In a limited manner, the management system of the World Heritage property does contribute to conflict prevention, including respect for cultural diversity within and around the World Heritage property 	×
6.1	Funding	
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	×
6.1.12	A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, but most technical work is carried out by external staff	×
7	Scientific Studies and Research Projects	
7.2	There is considerable research in the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	×
8	Education, Information and Awareness Building	
8.2	There is a limited and ad hoc education and awareness programme for children and/or youth	×
9	Visitor Management	
9.11	There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation	×
10	Monitoring	
10.1	There is considerable monitoring at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	×
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.	
Ŋ Ple	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

4.7 Local conditions affecting physical fabric

Engelsberg Ironworks 30 of 36

4.7.2	Relative humidity	The frosty period during the winter is shorter than it used to be, therefore the climate is more humid during a larger part of the year. A humid climate has a negative impact on wooden buildings.	Regular monitoring of all buildings at the heritage site and actions if necessary.	Regular monitoring.	Ongoing. Follow up at regular meetings.	The owner in consultation with the Administrative council and the County Administration Board if necessary.	No comments.
4.9	Other human	activities					
4.9.2	Deliberate destruction of heritage	There has been some deliberate destruction of the blast furnace in the ironworks due to vandalism.	The owner has taken actions to prevent further vandalism. It is now more complicated to reach parts of the blast furnace which are out of sight.	There is always on-site staff who are monitoring the heritage site and the buildings.	It was an one-time action of vandalism. There has not been any further deliberate destructions of the site since the owner has taken actions.	The owner in consultation with the Administrative council and the County Administration Board if necessary.	No comments.
4.10	Climate chan	ge and severe weathe	r events				
4.10.6	Temperature change	See question 4.7 relative humidity.	See question 4.7 relative humidity.	See question 4.7 relative humidity.	See question 4.7 relative humidity.	See question 4.7 relative humidity.	No comments.
4.11	Sudden ecol	ogical or geological ev	ents				
4.11.6	Fire (wildfire)	There was a wildfire very close to the world heritage in the summer of 2014. The heritage property was not damaged in the wildfire and the wildfire has not visibly affected the landscape seen from the heritage.	During the wildfire the surroundings of the heritage property were water bombed.	At a national level there has been improvement in forestry, which is also postive for the heritage site surrounded by forest.	Regular improvemen and raising awarenes Experience from the wildfire in 2014.	· ·	

Summary - Factors affecting the Property **completed**

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.3	Management System/Management Plan					
		Actions	Timeframe	Lead agency (and others involved)	More info / comment	
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	No 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 gender equality In a limited manner, the management system of the World Heritage property does provide ecosystem	The owner always consider gender equality.	Ongoing.	The owner and the regional authorities.		

Engelsberg Ironworks 31 of 36

	services/benefits		
	to the local		
	community (e.g.		
	fresh air, water,		
	food, medicinal		
	plants)		
	 In a limited 		
	manner, the		
	management		
	system of the		
	World Heritage		
	property does		
	contribute to		
	social inclusion		
	and equity,		
	improving		
	opportunities for		
	all, irrespective		
	of age, sex,		
	disability,		
	ethnicity, origin,		
	religion or		
	economic or		
	other status		
	 In a limited 		
	manner, the		
	management		
	system of the		
	World Heritage		
	property does		
	integrate a		
	human		
	rights-based		
	approach		
	 In a limited 		
	manner, the		
	management		
	system of the		
	World Heritage		
	property does		
	contribute to		
	fostering		
	inclusive local economic		
	development,		
	and to		
	enhancing		
	livelihood		
	In a limited		
	manner, the		
	management		
	system of the		
	World Heritage		
	property does		
	contribute to		
	conflict		
	prevention,		
	including		
	respect for		
	cultural diversity		
	within and		
	around the		
	World Heritage		
	property		
6.1	Funding		

6.1	Funding			
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at	•	•	-
	the World Heritage property			

Engelsberg Ironworks 32 of 36

6.1.12	cap. built prog place part impl som skill tran thos the loca mos wor	ite-based pacity diding plan or gramme is in ce and tially blemented; ne technical is are being property ally, but ist technical rk is carried; by external ff	spece econ out b	cialists. Due to	taff but not all technic the limited needs it is ble to let the work be ff.	more	The work is planned of annual basis.	on an	The owner.		
7			Scientific	ic Studies and	I Research Projects						
7.2			There is consider research World He property I not directowards manager needs ar improvinundersta of Outsta Universa Value	rable h in the eritage but it is cted ment nd/or ng anding anding		-		-		-	
8	Education, Infor	rmation and	I Awaren	ness Building							
8.2	There is a limited and ad hoc education and awareness programme for children and/or youth	The guid	led tours anternation		the guided tours. ildren. There is nool at	Ongoing.		The owne	r and their found	ations.	
9			V	Visitor Manag	ement						
9.11			c b b received the state of the	There is limite cooperation between those responsible for the World Heritage property and the tourism industry to present the Coutstanding Universal Value and increase appreciation			-	-		-	
10			N	Monitoring							
10.1			the state of the s	Chere is considerable monitoring at the World Heritage property but it is not directed owards management needs and/or mproving understanding of Outstanding Universal Value			-	-			

Engelsberg Ironworks 33 of 36

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

Summary - Management Needs completed

- 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
- 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

Management effectiveness Quality of life for local communities and indigenous peoples Recognition Positive Education No impact Infrastructure development No impact Funding for the property International cooperation Political support for conservation No impact Legal/Policy framework Advocacy No impact Institutional coordination No impact Security Gender equality Provision of ecosystem services/ benefits to local communities Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status Fostering inclusive local economic development and enhancing livelihood Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Not applicable Other	Conservation	No impact
Quality of life for local communities and indigenous peoples Recognition Positive Education No impact Infrastructure development Funding for the property No impact International cooperation No impact Political support for conservation Legal/Polity framework Advocacy No impact Institutional coordination Security Recognition No impact Security No impact Security No impact No impact No impact Security No impact No impact No impact No impact No impact No impact Security impact Security No impact	Research and monitoring	No impact
Recognition Positive Education No impact Infrastructure development No impact Funding for the property No impact International cooperation No impact Political support for conservation No impact Legal/Policy framework No impact Advocacy No impact Institutional coordination No impact Security No impact Fostering inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic development and enhancing livelihood Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Not applicable Not applicable Not applicable	Management effectiveness	No impact
Education No impact Infrastructure development No impact Funding for the property No impact International cooperation No impact Political support for conservation No impact Legal/Policy framework No impact Advocacy No impact Institutional coordination No impact Security No impac	Quality of life for local communities and indigenous peoples	No impact
Infrastructure development Funding for the property No impact International cooperation No impact International cooperation No impact Political support for conservation No impact Legal/Policy framework No impact Advocacy No impact Institutional coordination No impact Security No impact Gender equality Not applicable Provision of ecosystem services/ benefits to local communities Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status Fostering inclusive local economic development and enhancing livelihood Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Other Not applicable Not applicable	Recognition	Positive
Funding for the property International cooperation No impact Political support for conservation No impact Legal/Policy framework No impact Advocacy No impact Institutional coordination No impact Security No impact Gender equality Not applicable Provision of ecosystem services/ benefits to local communities Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status Fostering inclusive local economic development and enhancing livelihood Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Not applicable Other	Education	No impact
International cooperation No impact Political support for conservation No impact Legal/Policy framework Advocacy No impact Institutional coordination No impact Security No impact No impact No impact No impact No impact Security No impact No impact Security No impact Security No impact No impact No impact No impact Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status Fostering inclusive local economic development and enhancing livelihood Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Not applicable Other	Infrastructure development	No impact
Political support for conservation Legal/Policy framework Advocacy No impact Institutional coordination No impact Security No impact Gender equality Provision of ecosystem services/ benefits to local communities Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status Fostering inclusive local economic development and enhancing livelihood Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Not applicable Other	Funding for the property	No impact
Legal/Policy framework Advocacy No impact No impact Security Security No impact No applicable Other	International cooperation	No impact
Advocacy Institutional coordination No impact Security No impact Mot applicable Provision of ecosystem services/ benefits to local communities No impact Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status Fostering inclusive local economic development and enhancing livelihood Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Other Not applicable Not applicable	Political support for conservation	No impact
Institutional coordination Security No impact No impact More applicable Provision of ecosystem services/ benefits to local communities Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status Fostering inclusive local economic development and enhancing livelihood Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Not applicable Other	Legal/Policy framework	No impact
Security Roi impact Not applicable Provision of ecosystem services/ benefits to local communities Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status Fostering inclusive local economic development and enhancing livelihood Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Not applicable Other	Advocacy	No impact
Gender equality Not applicable Provision of ecosystem services/ benefits to local communities No impact Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status Fostering inclusive local economic development and enhancing livelihood Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Other Not applicable	Institutional coordination	No impact
Provision of ecosystem services/ benefits to local communities Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status Fostering inclusive local economic development and enhancing livelihood Not applicable Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Not applicable Other	Security	No impact
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status Fostering inclusive local economic development and enhancing livelihood Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Not applicable Other	Gender equality	Not applicable
economic or other status Fostering inclusive local economic development and enhancing livelihood Not applicable Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Not applicable Not applicable	Provision of ecosystem services/ benefits to local communities	No impact
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties Not applicable Not applicable	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
Other Not applicable	Fostering inclusive local economic development and enhancing livelihood	Not applicable
	Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Not applicable
If 'Other', please specify	Other	Not applicable
, , ,	If 'Other', please specify	

Engelsberg Ironworks 34 of 36

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
- 14.2 Define which topics are covered by this example of best practice at the property level
- 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 concept of Outstanding Universal Value

The property's Outstanding Universal Value

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

State Party	Good
Site Managers	Not needed
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?

Awareness raising

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)

Governmental institutions responsible for cultural and natural heritage
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?

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

15 / 40 /

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

The world heritage sites are very different. Many questions are therefore not applicable for all sites.

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	Poor
UNESCO (other sectors/field offices)	Poor
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

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

UNESCO World Heritage Centre	Poor
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
 - Map(s)

Reason for update: A new map has been sent to the Swedish National Heritage Board.

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.

Engelsberg Ironworks 36 of 36