High Coast / Kvarken Archipelago

1. World Heritage Property Data

1.1 - Name of World Heritage property
High Coast / Kvarken Archipelago

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
High Coast	63 / 18.5	142500	?	142500	2000
The Kvarken Archipelago - Zone A	63.3 / 21.3	160000	?	160000	2006
The Kvarken Archipelago - Zone B	62.967 / 20.95	34400	?	34400	2006
Total (ha)		**336900**	**0**	**336900**	

Comment
When High Coast was nominated the boundary was drawn by hand. Due to new modern geographical information system, Sweden would like to submit a file with the digitalized boundary of the High Coast. This digitalized border is done according to the map that was submitted together with the nomination in year 2000. Although the boundary is still the same the accuracy of the digitalization have a minor impact on the area figure. The accurate area is 152 034 ha. A new total areal is 346 434 hectar.

1.4 - Map(s)

Title	Date	Link to source
High Coast - inscribed property	2000	
Kvarken Archipelago - inscribed property	2006	

Comment
We have sent 3 updated maps, one over the whole WHS, one over Kvarken Archipelago and one over High Coast. Also GIS layers of the maps.

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

1. highcoastkvarken.org
2. The High Coast
3. Visit Kvarken
4. highcoastkvarken.org Youtube Channel
5. highcoastkvarken.org Map

Comment
Number 1-5 are correct. We would like to add our official social media pages: https://www.instagram.com/varldsarvethogakusten/ https://www.instagram.com/kvarkenworldheritage/ https://www.facebook.com/kvarkenworldheritage https://www.facebook.com/merenkurkku https://www.facebook.com/varldsarvethogakusten

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) is 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 Quark Archipelago Ramsar Site (https://rsis.ramsar.org/ris/6) is 63 699 ha. 90% (57 380 ha) of that area is within the World Heritage Site.

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?

Not applicable

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?

No

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

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

Statement of Outstanding Universal Value

Brief synthesis

The High Coast in Sweden and the Kvarken Archipelago in Finland are situated on opposite sides of the Gulf of Bothnia, in the northern part of the Baltic Sea. This vast area of 346,434 ha (of which about 100,700 ha are terrestrial) is where high meets low: the High Coast's hilly scenery with high islands, steep shores, smooth cliffs, and deep inlets is a complete contrast to the Kvarken Archipelago with its thousands of low-lying islands, shallow bays, moraine ridges and massive boulder fields. This part of the world has experienced several Ice Ages during the last 2-3 million years and has been under the centre of the continental ice sheet a number of times. Present land uplift started when the ice began to melt about 18,000 years ago and the earth's crust was gradually released from the weight of the ice.

The landscape of the High Coast/Kvarken Archipelago today is mainly the result of the last Ice Age and the impact of the sea and the succession of vegetation. After the last glaciation, the land has elevated a total of 800 metres, with the highest uplift in the world after the last Ice Age recorded here. For the past 10,500 years, the land has been rising at around 0.9 m per century, a phenomenon that can be observed in a human lifetime and is expected to continue. Continual elevation of the land results in the emergence of new islands and distinctive glacial landforms, while inlets become progressively cut off from the sea, transforming them into estuaries and ultimately lakes.

The Baltic Sea has undergone dramatic changes since the last Ice Age, including a series of transitions from marine water to freshwater and then to brackish water, consequently causing subsequent changes in plant and animal life. This serial transboundary property serves as an outstanding example of the continuity of this change with dynamic ongoing geological processes forming the land- and seascape, including interesting interactions with biological processes and ecosystem development.

Criterion (viii): The High Coast/Kvarken Archipelago is of exceptional geological value for two main reasons. First, both areas have some of the highest rates of isostatic uplift in the world, meaning that the land still continues to rise in elevation following the retreat of the last inland ice sheet, with around 290 m of land uplift recorded over the past 10,500 years. The uplift is ongoing and is associated with major changes in the water bodies in post-glacial times. This phenomenon was first recognized and studied here, making the property a key area for understanding the processes of crustal response to the melting of the continental ice sheet. Second, the Kvarken Archipelago, with its 5,600 islands and surrounding sea, possesses a distinctive array of glacial depositional formations, such as De Geer moraines, which add to the variety of glacial land- and seascape features in the region. It is a global, exceptional and diverse area for studying moraine archipelagos. The High Coast and the Kvarken Archipelago represent complementary examples of post-glacial uplifting landscapes.

Integrity

The boundaries of this serial property comprise the areas with the most outstanding geological and geomorphological attributes of the site. The boundaries of the High Coast in Sweden encompass the principal area of national conservation interest, extending inland to include the full zonation of uplifted land and some of the highest shoreline, while excluding areas under large-scale forestry management. Seaward, the boundary incorporates key offshore islands and marine areas that are a logical extension of the topographic continuum of uplifted land surface, thus taking account of ongoing geological processes.

The Kvarken Archipelago in Finland includes two separate areas of land and sea: the most superlative geological terrestrial formations, formations lying in the shallow sea, as well as the majority of the moraine features are included. While the geological boundaries of the property do not coincide with legal or administrative boundaries, the science behind their selection is justified.

Note that about 71% of the property is sea. In the High Coast the sea is deep (as much as 293 m), while in the Kvarken Archipelago the sea is very shallow (with mean depth less than 10 m). Underwater geological formations have not been widely affected by erosion or processes such as colonization by vegetation or human activity. For the terrestrial portion, however, several large-scale development projects have been noted as issues which could affect the integrity of the property. While there is a small resident human population in the property (around 4,500 in the High Coast and 2,500 in the Kvarken Archipelago), people are engaged in small-scale traditional farming, forestry and fishing, all of which have negligible impact on geological values.

Protection and management requirements

In both Sweden and Finland, World Heritage management issues are dealt with at regional level, by established bodies with representatives from authorities, municipalities and local stakeholders. The relevant regional authorities and municipalities in Sweden and Finland have established a transnational consultative body, mainly to ensure that all three core areas of this serial transnational site have a joint management strategy for the property as a whole.

There is no particular legislation that directly protects the Outstanding Universal Values of the High Coast/Kvarken Archipelago, but the general environmental national legislation gives a satisfactory indirect protection of the entire property. About 37% of the property is either nature reserve or national park, and the site also belongs to the Natura 2000 European network of protected areas. All these different kinds of protected areas have regulations restricting land use, which provide a good level of protection to geological formations, as well as to flora and fauna. The remaining parts, about 63% of the property, do not have the same level of protection, but the national legislation gives possibilities for safeguarding the integrity of the property. Furthermore, the High Coast is a landscape of national interest, which gives the recreational and nature conservation values of the property additional legal protection and serves as guidance for societal development. In the Kvarken Archipelago, a regional land use plan protects its Outstanding Universal Value, as well as recognizes geological values in the zone between the two core areas on the Finnish side.

The effective management of the property needs to further develop an ecosystem approach that integrates the management of the protected areas with other key activities taking place on the property, such as infrastructural development of communities and industries, tourism, fishery and shipping.

Potential threats in the future are major building projects that could destroy some part of outstanding geological features or have a severe impact on the important views of the property. Increasing visitor pressure and an oil or chemical spill in the sea are potential threats to the biological and cultural values. Global warming is not a threat to the land uplift phenomenon itself, as it will not affect the geological process. However, rising sea levels would influence the visible effects of land uplift in the coastal landscape, by reducing the area of new land emerging from the sea each year. Natural catastrophes, such as violent earthquakes or volcanic eruptions, are unlikely in Sweden and Finland.

All threats are addressed by implementing the national legislation, strategic planning measures and actions that aim to improve knowledge and awareness of the property values among authorities, stakeholders and the local population.

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	Occurence of De Geer moraines on land and under water	✖			
3.2.2	Occurence of Ribbed moraines on land and under water	✖			
3.2.3	Boulder Terrain	✖			
3.2.4	Occurence of roche moutonnées and striations	✖			
3.2.5	Geological context of glacial deposits and formations from different deglaciations	✖			
3.2.6	Occurance of highest coastline and till-capped hills	✖			
3.2.7	Formation and occurance of tunnel caves	✖			
3.2.8	Formation and occurance of cobble fields	✖			
3.2.9	Formation and occurance of isolated basins, flads and gloes	✖			
3.2.10	Formation and occurance of beach deposits	✖			
3.2.11	Formation and occurance of beach ridges	✖			
3.2.12	Geological context of land uplift traces from the highest coastline to the ongoing geological processes of today	✖			
3.2.13	Ecological processes dependent on the process of isolating bays from the sea		✖		
3.2.14	Shore plant succession and land uplift forests		✖		
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):

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive ✖	✖	✖	✖	✖			↗
Negative ✖	✖	✖	✖	✖			↗

4.1.2 - Commercial development

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

- Relevant, Positive, Negative, Current, Potential, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive ✖	✖	✖	✖	✖			↗
Negative ✖	✖	✖	✖	✖			↗

4.1.3 - Industrial areas

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖			↗
Negative ✖	✖	✖	✖	✖			↗

4.1.4 - Major visitor accommodation and associated infrastructure

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖			↗
Negative ✖	✖	✖	✖	✖			↗

4.1.5 - Interpretative and visitation facilities

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖			↗
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

The factors are almost all both negative and positive to the WH property, since we are interpreting the questions at what is affecting the property as a whole, and not necessary just strictly the OUV.

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖			↗
Negative ✖	✖	✖	✖	✖			↗

4.2.2 - Underground transport infrastructure

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

- Not relevant

Relevant	✖ Not relevant

4.2.3 - Air transport infrastructure

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

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

Relevant	✖ Not relevant

4.2.4 - Marine transport infrastructure

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖		→	
Negative ✖	✖	✖	✖	✖		→	

4.2.5 - Effects arising from use of transportation infrastructure

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 ✖	✖	✖	✖	✖			↗

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

The factors are almost all both negative and positive to the WH property, since we are interpreting the questions at what is affecting the property as a whole, and not necessary just strictly the OUV.

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):

- Relevant, Positive, Negative, Current, Potential, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖		✖			↗
Negative ✖	✖	✖		✖			↗

4.3.3 - Non-renewable energy facilities

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

- Not relevant

Relevant	✖ Not relevant

4.3.4 - Localised utilities

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 ✖	✖	✖	✖	✖		→	

4.3.5 - Major linear utilities

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

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

Relevant	Not relevant
✖	

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖		→	
Negative ✖	✖	✖	✖	✖		→	

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

The factors are almost all both negative and positive to the WH property, since we are interpreting the questions at what is affecting the property as a whole, and not necessary just strictly the OUV. There is one micro hydro power plant, one wind turbine and an increasing number of small scale solar systems, mainly on roofs, inside the WH property. The wind and hydro plant is older than the Wh status.

4.4. Pollution

4.4.1 - Pollution of marine waters

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

- Relevant, Negative, Current, Potential, Inside, Outside

Relevant	Not relevant
✖	

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative ✖	✖	✖	✖	✖		→	

4.4.2 - Ground water pollution

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

- Not relevant

Relevant	Not relevant
	✖

4.4.3 - Surface water pollution

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

- Relevant, Negative, Current, Potential, Inside, Outside

Relevant	Not relevant
✖	

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative ✖	✖	✖	✖	✖	↘		

4.4.4 - Air pollution

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

- Relevant, Negative, Current, Potential, Outside

Relevant	Not relevant
✖	

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative ✖	✖	✖	✖	✖		→	

4.4.5 - Solid waste

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

- Relevant, Negative, Current, Potential, Inside, Outside

Relevant	Not relevant
✖	

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative ✖	✖	✖	✖	✖		→	

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

In 4.4.3 the acid rain is decreasing, euthrophication is stable. The influx of nutrients from agriculture and industries are decreasing, but that has not affected the nutrient levels in the sea yet. For 4.4.4 there are huge variations in the WH site; most have no pollution problem at all, but we have a heavily trafficked main road going through the High Coast that affects negatively.

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖	↘		
Negative ✖	✖	✖	✖	✖			↗

4.5.2 - Aquaculture

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative ✖		✖	✖	✖	↘		

4.5.3 - Land conversion

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖	↘		
Negative ✖	✖	✖	✖	✖			↗

4.5.4 - Livestock farming/Grazing of domesticated animals

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 ✖	✖	✖	✖	✖		→	
Negative							

4.5.5 - Crop production

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

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

Relevant	Not relevant
✖	

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖	↘		
Negative ✖	✖	✖	✖	✖	↘		

4.5.6 - Commercial wild plant collection

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							

4.5.7 - Subsistence wild plant collection

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 ✖	✖	✖	✖	✖			↗
Negative							

4.5.8 - Commercial hunting

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

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

Relevant	Not relevant
	✖

4.5.9 - Subsistence hunting

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

- Relevant, Positive, Negative, Current, Inside, Outside

Relevant	Not relevant
✖	

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖		→	
Negative							

4.5.10 - Forestry/Wood production

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

- Relevant, Positive, Negative, Current, Inside, Outside

Relevant	Not relevant
✖	

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖		✖	✖		→	
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

4.5.2 All aquaculture inside the WH area have stopped due to environmental concerns, but the negative effects of excessive nutrients are still ongoing. There are planning zones that might allow new aquaculture inside and near the World Heritage.4.5.3 positive effects from agriculture is decreasing, negative effects from intensified forestry is increasing. 4.5.10 there are virtually no new suitable land to use for forestry, so no potential there.

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):

- Relevant, Negative, Current, Potential, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative ✖	✖	✖	✖	✖		→	

4.6.3 - Oil and gas

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

- Not relevant

Relevant	✖ Not relevant

4.6.4 - Water (extraction)

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

- Not relevant

Relevant	✖ 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 positively

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

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

- Relevant, Negative, Potential, Inside, Outside

Relevant	✖ Not relevant

4.7.2 - Relative humidity

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

- Relevant, Negative, Potential, Inside, Outside

Relevant	✖ Not relevant

4.7.3 - Temperature

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

- Relevant, Negative, Potential, Inside, Outside

Relevant	✖ Not relevant

4.7.4 - Radiation/Light

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

- Not relevant

Relevant	✖ Not relevant

4.7.5 - Dust

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

- Not relevant

Relevant	✖ Not relevant

4.7.6 - Water (rain/water table)

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

- Not relevant

Relevant	✖ Not relevant

4.7.7 - Pests

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

- Relevant, Negative, Potential, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative ✖	✖	✖	✖	✖			↗

4.7.8 - Micro-organisms

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

- Not relevant

Relevant	✖ 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

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	✖ Not relevant

4.8.2 - Society's valuing of heritage

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖		→	
Negative ✖	✖	✖	✖	✖		→	

4.8.3 - Indigenous hunting, gathering and collecting

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

- Not relevant

Relevant	✖ Not relevant

4.8.4 - Changes in traditional ways of life and knowledge system

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

- Relevant, Positive, Negative, Current, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖		→	
Negative ✖	✖	✖	✖	✖		→	

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

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖		→	
Negative ✖	✖	✖	✖	✖		→	

4.8.6 - Impacts of tourism/Visitation/Recreation

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖			↗
Negative ✖	✖	✖	✖	✖			↗

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

4.8.5: it is very difficult to answer, especially to put a trend to it. The question is very wide and answers and trends are different for parts of the question. There are many differences in sub areas of the World Heritage Site.

4.9. Other human activities

4.9.1 - Illegal activities

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

- Relevant, Negative, Current, Potential, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative ✖	✖	✖	✖	✖			↗

4.9.2 - Deliberate destruction of heritage

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

- Relevant, Negative, Current, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative ✖	✖	✖	✖	✖			↗

4.9.3 - Military training

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

- Not relevant

Relevant	✖ Not relevant

4.9.4 - War

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

- Not relevant

Relevant	✖ Not relevant

4.9.5 - Terrorism

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

- Not relevant

Relevant	✖ 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

4.10. Climate change and severe weather events

4.10.1 - Storms

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

- Relevant, Negative, Potential, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative ✖	✖	✖	✖	✖			↗

4.10.2 - Flooding

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖		→	
Negative ✖	✖	✖	✖	✖		→	

4.10.3 - Drought

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 ✖		✖	✖	✖			↗

4.10.4 - Desertification

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

- Not relevant

Relevant	✖ Not relevant

4.10.5 - Changes to oceanic waters

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

- Relevant, Negative, Current, Potential, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**

Positive							
Negative ✖	✖	✖	✖	✖			↗

4.10.6 - Temperature change

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

- Relevant, Negative, Potential, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative ✖	✖	✖	✖	✖			↗

4.10.7 - Other climate change impacts

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

- Relevant, Negative, Potential, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative ✖	✖	✖	✖	✖			↗

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

4.10.5: Here we include sea ice changes. 4.10.7: Other effects include changes in precipitation and change in form of precipitation, from snow to rain. For more thorough explanation see our Climate Vulnerability Index report: https://highcoastkvarken.org/document/cvi-report-high-coast-kvarken-archipelago/

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

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

- Not relevant

Relevant	✖ Not relevant

4.11.2 - Earthquake

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

- Not relevant

Relevant	✖ Not relevant

4.11.3 - Tsunami/Tidal wave

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

- Not relevant

Relevant	✖ Not relevant

4.11.4 - Avalanche/Landslide

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

- Not relevant

Relevant	✖ Not relevant

4.11.5 - Erosion and siltation/Deposition

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

- Relevant, Positive, Current, Potential, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖	↘		

Negative							

4.11.6 - Fire (wildfire)

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

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

Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive	✖	✖	✖	✖			↗
Negative	✖	✖	✖	✖			↗

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 (12/07/2013):

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

Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive	✖		✖	✖	↘		
Negative	✖	✖	✖	✖		→	

4.12.2 - Invasive/Alien terrestrial species

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

- Relevant, Negative, Current, Potential, Inside, Outside

Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative	✖	✖	✖	✖			↗

4.12.3 - Invasive/Alien freshwater species

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

- Relevant, Negative, Potential, Inside, Outside

Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative	✖	✖	✖	✖			↗

4.12.4 - Invasive/Alien marine species

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

- Relevant, Negative, Current, Potential, Inside, Outside

Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive							
Negative	✖	✖	✖	✖			↗

4.12.5 - Hyper-abundant species

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

- Relevant, Negative, Potential, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative ✖		✖	✖	✖			↗

4.12.6 - Modified genetic material

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

- Relevant, Negative, Potential, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative ✖		✖		✖			↗

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

Our brackish environment has the most negative impact by alien species, both in numbers of different species and in how they affect the ecosystem. The WHS brackish ecosystem has few species and are thus extra sensitive to alien species.We also have fairly large impacts of alien terrestrial mammals.

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 ✖	✖	✖	✖	✖			↗
Negative							

4.13.2 - Legal framework

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive ✖	✖	✖		✖		→	
Negative ✖	✖	✖		✖		→	

4.13.3 - Governance

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive ✖	✖	✖	✖	✖			↗
Negative							

4.13.4 - Management activities

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

- Relevant, Positive, Current, Potential, Inside, Outside

✖ 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		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖		→	
Negative							

4.13.6 - Human resources

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖		→	
Negative							

4.13.7 - Low impact research/monitoring activities

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

- Relevant, Positive, Current, Potential, Inside, Outside

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖			↗
Negative							

4.13.8 - High impact research/monitoring activities

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

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

✖ Relevant	Not relevant

	Impact		Origin		Trend of impact		
Impact	**Current**	**Potential**	**Inside**	**Outside**	**Decreasing**	**Stable**	**Increasing**
Positive ✖	✖	✖	✖	✖		→	
Negative ✖	✖	✖	✖	✖		→	

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

Legal framework can also be negative to the property because of restrictions to plans, projects and activities caused by being a WHS. Processes for permits and such can also be more complicated and demand more background material. It can also take a longer time to start projects.

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	Trend
4.1 Buildings and Development			
4.1.1 Housing			
4.1.2 Commercial development			

	⊖	👎	👎	◎	👍	↗
4.1.3 Industrial areas	⊕	👎	👎	◎	👍	↗
	⊖	👎	👎	◎	👍	↗
4.1.4 Major visitor accommodation and associated infrastructure	⊕	👎	👎	◎	👍	↗
	⊖	👎	👎	◎	👍	↗
4.1.5 Interpretative and visitation facilities	⊕	👎	👎	◎	👍	↗
	⊖	👎	👎	◎		↗
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure	⊕	👎	👎	◎	👍	↗
	⊖	👎	👎	◎	👍	↗
4.2.4 Marine transport infrastructure	⊕	👎	👎	◎	👍	→
	⊖	👎	👎	◎	👍	→
4.2.5 Effects arising from use of transportation infrastructure	⊕	👎	👎	◎	👍	↗
	⊖	👎	👎	◎	👍	↗
4.3 Services Infrastructures						
4.3.2 Renewable energy facilities	⊕	👎	👎		👍	↗
	⊖	👎	👎		👍	↗
4.3.4 Localised utilities	⊕	👎	👎	◎	👍	→
	⊖	👎	👎	◎	👍	→
4.3.5 Major linear utilities	⊕	👎	👎	◎	👍	→
	⊖	👎	👎	◎	👍	→
4.4 Pollution						
4.4.1 Pollution of marine waters						
	⊖	👎	👎	◎	👍	→
4.4.3 Surface water pollution						
	⊖	👎	👎	◎	👍	↘
4.4.4 Air pollution						
	⊖	👎	👎	◎	👍	→
4.4.5 Solid waste						
	⊖	👎	👎	◎	👍	→
4.5 Biological resource use/modification						
4.5.1 Fishing/collecting aquatic resources	⊕	👎	👎	◎	👍	↘
	⊖	👎	👎	◎	👍	↗
4.5.2 Aquaculture						
	⊖		👎	◎	👍	↘
4.5.3 Land conversion	⊕	👎	👎	◎	👍	↘
	⊖	👎	👎	◎	👍	↗
4.5.4 Livestock farming/Grazing of domesticated animals	⊕	👎	👎	◎	👍	→
4.5.5 Crop production	⊕	👎	👎	◎	👍	↘
	⊖	👎	👎	◎	👍	↘
4.5.6 Commercial wild plant collection	⊕	👎	👎	◎	👍	→
4.5.7 Subsistence wild plant collection	⊕	👎	👎	◎	👍	↗
4.5.9 Subsistence hunting	⊕	👎	👎	◎	👍	→

4.5.10 Forestry/Wood production						
4.6 Physical resource extraction						
4.6.2 Quarrying						
4.7 Local conditions affecting physical fabric						
4.7.7 Pests						
4.8 Social/Cultural uses of heritage						
4.8.2 Society's valuing of heritage						
4.8.4 Changes in traditional ways of life and knowledge system						
4.8.5 Identity, social cohesion, changes in local population and community						
4.8.6 Impacts of tourism/Visitation/Recreation						
4.9 Other human activities						
4.9.1 Illegal activities						
4.9.2 Deliberate destruction of heritage						
4.10 Climate change and severe weather events						
4.10.1 Storms						
4.10.2 Flooding						
4.10.3 Drought						
4.10.5 Changes to oceanic waters						
4.10.6 Temperature change						
4.10.7 Other climate change impacts						
4.11 Sudden ecological or geological events						
4.11.5 Erosion and siltation/Deposition						
4.11.6 Fire (wildfire)						
4.12 Invasive/alien species or hyper-abundant species						
4.12.1 Translocated species						
4.12.2 Invasive/Alien terrestrial species						
4.12.3 Invasive/Alien freshwater species						

	⊖	👎	👎	⊙	↗	↗
4.12.4 Invasive/Alien marine species						
	⊖	👎	👎	⊙	↗	↗
4.12.5 Hyper-abundant species						
	⊖		👎	⊙	↗	↗
4.12.6 Modified genetic material						
	⊖		👎		↗	↗
4.13 Management and institutional factors						
4.13.1 Management system/Management plan	⊕	👎	👎	⊙	↗	↗
4.13.2 Legal framework	⊕	👎	👎		→	→
	⊖	👎	👎		→	→
4.13.3 Governance	⊕	👎	👎	⊙	↗	↗
4.13.4 Management activities	⊕	👎	👎	⊙	→	→
4.13.5 Financial resources	⊕	👎	👎	⊙	→	→
4.13.6 Human resources	⊕	👎	👎	⊙	→	→
4.13.7 Low impact research/monitoring activities	⊕	👎	👎	⊙	↗	↗
4.13.8 High impact research/monitoring activities	⊕	👎	👎	⊙	→	→
	⊖	👎	👎	⊙	→	→

Legend	👎 Current	👎 Potential	⊖ Negative	⊕ Positive	⊙ Inside	Outside

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**
4.1.1 Housing	⊕	👎	👎	⊙	↗	↗
	⊖	👎	👎	⊙	↗	↗

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact	Origin	Trend
4.1.2 Commercial development			

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact	Origin	Trend

4.1.3 Industrial areas						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.1.4 Major visitor accommodation and associated infrastructure						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact	Origin	Trend
4.1.5 Interpretative and visitation facilities			

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

4.2 Transportation Infrastructure

Name	Impact	Origin	Trend

4.2.1 Ground transport infrastructure						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact		Origin		Trend
4.2.4 Marine transport infrastructure					→
					→

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.2.5 Effects arising from use of transportation infrastructure						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

4.3 Services Infrastructures

Name	Impact	Origin	Trend

4.3.2 Renewable energy facilities						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact			Origin		Trend
4.3.4 Localised utilities						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.3.5 Major linear utilities						
						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
✖	Decreasing
	Static
	Increasing

4.4 Pollution

Name	Impact			Origin		Trend
4.4.1 Pollution of marine waters						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.4.3 Surface water pollution						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.4.4 Air pollution						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact	Origin	Trend

4.4.5 Solid waste						

	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
	No capacity and / or resources
	Trend - Developement over the last 6 years
	Decreasing
✖	Static
	Increasing

4.5 Biological resource use/modification

Name	Impact			Origin		Trend
4.5.1 Fishing/collecting aquatic resources						

	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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.5.2 Aquaculture						
						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
✖	Decreasing
	Static
	Increasing

Name	Impact	Origin	Trend

4.5.3 Land conversion						

	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
	No capacity and / or resources
	Trend - Developement over the last 6 years
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.5.4 Livestock farming/Grazing of domesticated animals						⇒

	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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact	Origin	Trend
4.5.5 Crop production			

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact	Origin	Trend
4.5.6 Commercial wild plant collection			

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
✖	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.5.7 Subsistence wild plant collection						

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
✖	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact			Origin		Trend
4.5.9 Subsistence hunting						→

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.5.10 Forestry/Wood production						→

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

4.6 Physical resource extraction

Name	Impact			Origin		Trend
4.6.2 Quarrying						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

4.7 Local conditions affecting physical fabric

Name	Impact			Origin		Trend
4.7.7 Pests						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

4.8 Social/Cultural uses of heritage

Name	Impact	Origin	Trend
4.8.2 Society's valuing of heritage			→
			→

	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
	No capacity and / or resources
	Trend - Developement over the last 6 years
	Decreasing
	Static
✖	Increasing

Name	Impact	Origin	Trend
4.8.4 Changes in traditional ways of life and knowledge system			→
			→

	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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact			Origin		Trend
4.8.5 Identity, social cohesion, changes in local population and community						→
						→

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.8.6 Impacts of tourism/Visitation/Recreation						

	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
	No capacity and / or resources
	Trend - Developement over the last 6 years
	Decreasing
	Static
✖	Increasing

4.9 Other human activities

Name	Impact			Origin		Trend
4.9.1 Illegal activities						

	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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.9.2 Deliberate destruction of heritage						
						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

4.10 Climate change and severe weather events

Name	Impact			Origin		Trend
4.10.1 Storms						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact			Origin		Trend
4.10.2 Flooding						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.10.3 Drought						
						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static

	Increasing

Name	Impact			Origin		Trend
4.10.5 Changes to oceanic waters						
						

	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
	No capacity and / or resources
	Trend - Developement over the last 6 years
	Decreasing
	Static
✖	Increasing

Name	Impact			Origin		Trend
4.10.6 Temperature change						
						

	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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact			Origin		Trend
4.10.7 Other climate change impacts						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

4.11 Sudden ecological or geological events

Name	Impact			Origin		Trend
4.11.5 Erosion and siltation/Deposition						↘

	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
	No capacity and / or resources
	Trend - Developement over the last 6 years
✖	Decreasing
	Static
	Increasing

Name	Impact			Origin		Trend
4.11.6 Fire (wildfire)						↗
						↗

	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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

4.12 Invasive/alien species or hyper-abundant species

Name	Impact			Origin		Trend
4.12.1 Translocated species						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing

✖	Static
	Increasing

Name	Impact			Origin		Trend
4.12.2 Invasive/Alien terrestrial species						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact			Origin		Trend
4.12.3 Invasive/Alien freshwater species						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.12.4 Invasive/Alien marine species						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static

✖	Increasing

Name	Impact			Origin		Trend
4.12.5 Hyper-abundant species						
	⛔		👎	⊙	♻	↗

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.12.6 Modified genetic material						
	⛔		👎		♻	↗

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

4.13 Management and institutional factors

Name	Impact			Origin		Trend
4.13.1 Management system/Management plan						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing

	Static
✖	Increasing

Name	Impact			Origin		Trend
4.13.2 Legal framework						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.13.3 Governance						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact			Origin		Trend
4.13.4 Management activities						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static

	Increasing

Name	Impact			Origin		Trend
4.13.5 Financial resources						→

	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
	No capacity and / or resources
	Trend - Developement over the last 6 years
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.13.6 Human resources						→

	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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.13.7 Low impact research/monitoring activities						

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
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.13.8 High impact research/monitoring activities						

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
	No capacity and / or resources
Trend - Developement 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

Here we note if there would be factors not affecting one part, if answered separately: 4.5.2 Current and decreasing in High Coast. Potential in Kvarken Archipelago. 4.8.5 Very difficult to answer since there are many questions in one, with different answers and trends. We put stable trend. Population is increasing in High coast, decreasing in Kvarken Archipelago. 4.10, 4.11, 4.12 Factors affecting the ecology are more important in Kvarken Archipelago.

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	Occurence of De Geer moraines on land and under water	✖			
4.18.1.2	Geological context of glacial deposits and formations from different deglaciations	✖			
4.18.1.3	Occurance of highest coastline and till-capped hills	✖			
4.18.1.4	Geological context of land uplift traces from the highest coastline to the ongoing geological processes of today	✖			
4.18.1.5	Ecological processes dependent on the process of isolating bays from the sea		✖		

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
The property has no buffer zone.

5.2. Protective Measures

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

Sweden

The High Coast is a region inhabited by an estimated 4,500 people who practice small-scale agriculture and fishing, small industries. During summer there is a tourism industry in the area. One national park of 3062 ha and 18 nature reserves (size ranging from 2-934ha) are contained within the region. According to IUCN's protected area management categories, High Coast is Category V-Protected Landscape. 9% of the total area is under protected status with most of the rest being the marine component and private lands. About 2% of the marine component is protected.

Finland

A variety of protective measures cover 80% of the property, including several sites in the Natura 2000 Network (governed by EU Directives on Habitats and Birds and in process of expansion), a RAMSAR site and national measures under the Nature Conservation Act. In the remaining 20% the geological values are also protected under national legislation. As in the High Coast, there is also a portion of the land area and sea frontage owned privately or by village communities. A much greater extent of land and sea, however, in the Kvarken Archipelago, as compared to the High Coast, is owned by the State.

Source: Advisory Body Evaluation; Periodic Reporting Cycle 2

Comment
Sweden: Change: One national park and 25 nature reserves. Total 14 591 ha (9,5%) is protected area. 9,5 % of the marine area is protected. Remove: "who practice small-scale agriculture and fishing, small industries. During summer there is a tourism industry in the area." Finland Add: A regional plan for land and sea use is made by the Regional Council of Ostrobothnia. Remove: (governed by EU Directives on Habitats and Birds and in process of expansion)

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?
An **adequate legal framework** for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists **but there are some deficiencies in implementation**

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?
An **adequate legal framework** exists for the broader setting of the World Heritage property, **but there are some deficiencies in implementation** which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property

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
The national laws gives the OUV of High Coast/Kvarken Archipelago adequate protection and the area have several national and international designations that gives additional protection. For the property there is also various types of urban planning, master plans, landscape plan and zoning. These different types of planning instruments is made by the state and the municipalities. The municipalities are responsible for planning and land use within their jurisdictions.

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
Other

If 'Other', please specify

For High Coast is the answer 5.3.1.2. For Kvarken Archipelago 5.3.1.1

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.
Other forms of statutory or non-statutory plans (e.g. strategic plans)
Agreed 'Memorandums of Understanding' between different managing institutions, groups or others, including documents agreed with local communities for management
A management plan
An annual work plan or business plan
A disaster, climate or conflict risk management plan
Other (please specify below)
Interpretation plan

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

There are separate management plans for the High Coast and Kvarken Archipelago. A joint management plan will be in place in 2023. Management authorities are County Administrative Board of Västernorrland and Metsähallitus, Parks & Wildlife Finland. There is a joint transnational cooperation group focusing on joint management issues. High Coast has a management council and Kvarken Archipelago has an advisory committee. Municipalities, regional authorities and local stakeholders are represented.

5.3.4 - Management Documents

Comment

Interpretation plan: https://highcoastkvarken.org/wp-content/uploads/High-Coast-Kvarken-Archipelago-internpretation-plan.pdf CVI Report: https://highcoastkvarken.org/wp-content/uploads/CVI-report-High-Coast-Kvarken-Archipelago.pdf Joint management plan will be completed during 2023 and sent separately (the current ones are not in English).

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?

No use has been made of the 2011 Recommendation on the Historic Urban Landscape

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?

Some 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:

High Coast/Kvarken Archipelago has done a Climate Vulnerability analysis with the CVI method thereby identifying how the climate change affects the OUV of the site and how the effects on the OUV will affect the local communities.

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 **coordination** between the range of administrative bodies involved in the management of the property, **but it could be improved**

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

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

5.3.13 - Is the management system being implemented?

The management system is being **only partially implemented**

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	×				
	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

While the management plan does not specifically address these questions, there are many existing mechanisms and systems in the Swedish and Finnish societies that are addressing these issues. The management plan work in conjunction with these mechanisms.

5.3.19 - 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.)	37 %	0 %
6.1.1.2	Bilateral international funding	0 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	0 %	0 %
6.1.1.4	Contribution from other conventions and programmes	0 %	0 %
6.1.1.5	International donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.6	Governmental (national/federal)	40 %	87 %
6.1.1.7	Governmental (regional/provincial/state)	10 %	0 %
6.1.1.8	Governmental (local/municipal)	7 %	8 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	6 %	1 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	1 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	3 %
6.1.1.12	Other	0 %	0 %
		Total 100 %	Total 100 %

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

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

The available **budget is acceptable** but **could be further improved** to fully meet the management needs

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

The existing sources of funding are **not secure**

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

A portion of the funding is secure, but a larger part is not secure, mostly project financing. One part of our funding is secure long term but other parts are not secure on medium term. The basic funding depends on government decisions so the management of WH cannot influence long-term planning of funding. Development activities depend on project funding.

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	40 %	50 %
6.1.6.2	Women	60 %	50 %
		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	Fair
Capacity development and education	Fair
Administration	Good
Research and monitoring	Poor
Awareness raising and public information/communication	Fair
Marketing and promotion	Good
Interpretation	Good
Visitor management/tourism	Fair
Enforcement (custodians, police)	Poor

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

Conservation	Good
Environmental sustainability	Good
Community participation and inclusion	Fair
Risk preparedness	Fair
Capacity development and education	Fair
Administration	Fair
Research and monitoring	Poor
Awareness raising and public information/communication	Fair
Marketing and promotion	Not applicable
Interpretation	Good
Visitor management/tourism	Good
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 fully implemented**; all technical skills are being transferred** to those managing the property locally

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

6.1.12 is very hard to answer since it is two different statements that are not mutually exclusive in the question. In our case, there is no site-based capacity building plan, but the management plan that we are currently working on answers to those needs. All technical skills are locally in-house.

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 **acceptable** for most key areas but there are gaps

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 some national agencies**

7.4 - Comments, conclusions and/or recommendations related to scientific studies and research projects

7.3 is hard to answer since, at least for us, but I guess for much research in general as well, it is easier to reach national agencies than the local communities with current research. 7.2 Research is not done by the WH management but by independent researchers of e.g. universities and research institutions.

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	Fair
Local/municipal authorities	Fair
Indigenous peoples	Not applicable
Landowners	Fair
Women	Fair
Youth/children	Fair
Researchers	Fair
Local visitors	Good

National/international tourists	Fair
Tourism industry	Good
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 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?

Local communities
Local/municipal authorities
Youth/children
Local Visitors
National/international tourists
Tourism industry

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	Good
Site museum	Fair
Information booths	Fair
Guided tours	Fair
Trails/routes	Fair
Printed information materials	Fair
Online (website, social media, etc.)	Fair
Transportation facilities	Poor
Other	Not needed
If 'Other' is selected, please specify	None

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

The term women in 8.1.5 is hard to answer, since they are part of all other groups as well. It should perhaps be specified if the question is aimed at women within the local community, the nation, or all women everywhere. The same with youth. Gender equality is an integral part of the societies and legislation in FIN and SWE and thus permeates all aspects of society. 8.3 - we do not have specific programme, but these are our targets for education and awareness.

9. Visitor Management

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

427 967 (number of nights in campings, hotels etc in Örsnköldsvik and Kramfros communities) / 400 425 / 324 629 / 393 273 / 342 604 /
338 832 (car traffic over Replot Bridge to the WHS plus boat traffic to the harbours in the archipelago) / 368 009 / 362 917 / 358 842 / 362 342 /
54 936 (visitor centre naturum High Coast) / 51 691 / 14 366 / 48 115 / 47 358 /

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

Entry tickets and registries
Accommodation establishments
Transportation services
Other
Trail counters, boat counting

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

Two overnight stays

9.4 - Please provide the source of information

High Coast 3,2 days in average, Kvarken Archipelago 1,5 days in average. Source: Visitor surveys in High Coast (2021) and Kvarken Archipelago (2017). Visitor numbers in 2020 to the visitor centre dropped because it was partly closed.

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

12,5 / 21,4 / 12,1 / 1,47 / 1,18 / 3,56 /

9.6 - Please provide the source of information

Numbers are from the Kvarken Archipelago, source visitor survey 2017. High Coast spending $100 per day (visitor survey 2021). No data on where they spend the money.

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 strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is **not implemented**

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 managed but **improvements could be made**

9.10 - Is the effectiveness of tourism management regularly monitored?

Yes, through the UNESCO Tourism Management Assessment Tool

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

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?

No fees are collected

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

Sustainable tourism certification, projects for developing sustainable places.

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

Yes

If 'Yes', please specify

A large majority of the tourism enterprices are run by locals.

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

Visitors are more likely to affect negatively the local community before the OUV is negatively affected, since the OUV is rather robust.

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 **adequate and key indicators have been defined but monitoring of the status of indicators could be improved**

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

Since the WHS is transnational, key indicators differ between the two countries in regards to 10.3.1. State of conservation key indicators is only present in an adequate way in Kvarken Archipelago. Through the upcoming management plan, joint indicators for state of conservation for both High Coast and Kvarken Archipelago will be developed.

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	Fair
Indigenous peoples	Not applicable
Landowners	Fair
Women	Fair
Researchers	Poor
Tourism industry	Non-existent
Local businesses and industry	Non-existent
NGOs	Fair
Other specific groups	Not applicable
If you selected 'Other specific groups', please specify	

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**	
5.1.3	The property has **no buffer zone**	
5.1.4	The property has **no known and recognised buffer zone**	
5.2	**Protective Measures**	
5.2.3	An **adequate legal framework** for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists **but there are some deficiencies in implementation**	✖
5.2.4	The property has **no buffer zone**	
5.2.5	An **adequate legal framework** exists for the broader setting of the World Heritage property and the buffer zone, **but there are some deficiencies in implementation** which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property	
5.3	**Management System/Management Plan**	
5.3.5	**No use** has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	
5.3.7	**Some 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	
5.3.11	There is **coordination** between the range of administrative bodies involved in the management of the property, **but it could be improved**	✖
5.3.12	The management system/plan is **only partially adequate** to maintain the property's Outstanding Universal Value	✖

5.3.13	The management system at the property is **only being partially implemented**	✖
6.1	**Funding**	
6.1.3	The available **budget is acceptable** but **could be further improved** to fully meet the management needs of the World Heritage property	✖
6.1.4	Existing sources of funding are **not secure**	
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	
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**	
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**	
9.7	There **is a strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is **not implemented**	✖
9.9	Visitor use of the World Heritage property is managed but **improvements could be made**	✖
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 adequate and key indicators have been defined but monitoring of the status of indicators could be improved**	✖

Please select 0 more issues.

Please 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

4.1	**Buildings and Development**						
4.1.1	Housing	Criterium 8. Attribute 3.2.1, 3.2.2, 3.2.4, 3.2.5, 3.2.8, 3.2.9, 3.2.10, 3.2.11., 3.2.12, 3.2.13, 3.2.14	Management is included in planning processes for land use. Information about World Heritage values to involved parties.	no	ongoing	The municipalities -main agency. Centre For Economic Development, Transport and the Environment, County administrative board	.
4.2	**Transportation Infrastructure**						
4.2.4	Marine transport infrastructure	Criterium 8. Attributes 3.2.1, 3.2.2, 3.2.5, 3.2.9, 3.2.13	Management is included in planning processes for marine water ways. Information about World Heritage values to involved parties.	no	ongoing	Finnish Transport Infrastructure agency. Regional state administrative agency. Centre for Economic Development, Transport and the Environment. Municipalities. Swedish Transport Agency.	.
4.5	**Biological resource use/modification**						
4.5.10	Forestry/Wood production	Criterium 8, Attribute 3.2.6, 3.2.8, 3.2.10, 3.2.11, 3.2.13, 3.2.14	Information about World Heritage values to involved parties to minimize damage.	no	ongoing	Swedish Forest Agency, Metsäkeskus Forest Centre	.
4.8	**Social/Cultural uses of heritage**						
4.8.2	Society's valuing of heritage	Criterum 8. All attributes.	Interpretation and information. Involving the local residents in managing the WHS.	Sporadic monitoring through external surveys.	Sporadic monitoring, frequent actions on interpretation and activation of locals.	Management authorities	.

4.8.4	Changes in traditional ways of life and knowledge system	Attribute 3.2.12	no actions	no	.	.	This is a very minor impact, not on the attribute itself, but on the interpretation possibilities of the attribute. If small scale farming stops, the landscape will be harder to "read". It affects biodiversity and cultural values much more.
4.10	**Climate change and severe weather events**						
4.10.5	Changes to oceanic waters	Criterium 8. Attributes 3.2.7, 3.2.8, 3.2.9, 3.2.10, 3.2.11, 3.2.12, 3.2.13, 3.2.14	Climate Vulnerability Index has been produced. Projects and research on expanding the knowledge on how climate change affects oceanic waters is done. Not many actions on combating the changes.	National and regional monitoring on the state of the ocean (not directly on how the attributes are affected).	Ongoing.	Swedish Environmental Protection Agency, Swedish Agency for Marine and Water Management, Natural Resources institute Finland, Finnish Environment Institute. Swedish Meteorological and Hydrological Institute, Finnish Meteorological Institute.	.
4.10.6	Temperature change	Criterium 8. Attribute 3.2.13, 3.2.14	Climate Vulnerability Index has been produced. Projects and research on expanding the knowledge on how climate change and rising temperatures affects the region is done. Not many actions on combating the changes.	National monitoring programme	ongoing	Swedish Environmental Protection Agency, Swedish Agency for Marine and Water Management, Natural Resources Institute Finland, Finnish Environment Institute. Swedish Meteorological and Hydrological Institute, Finnish Meteorological Institute.	.
4.10.7	Other climate change impacts	Criterium 8. Attribute 3.2.13, 3.2.14	Climate Vulnerability Index. Projects and research on expanding the knowledge on how climate change and changes in amount and forms of precipitation in the region is done. More resources for maintenance of hiking trails due to precipitation change.	Regular, but not systematic monitoring of the condition of the trails. National monitoring on precipitation changes and effects of that.	Ongoing	County Administrative Board of Västernorrland, Metsähallitus Parks and Wildlife Finland, Swedish Environmental Protection Agency, Ministry of the Environment, Swedish Meteorological and Hydrological Institute, Finnish Meteorological Institute.	Insufficient resources to work proactively with trails needing more management because of more precipitation and more rain, less snow gives longer hiking season and wetter trails.
4.12	**Invasive/alien species or hyper-abundant species**						
4.12.4	Invasive/Alien marine species	Criterium 8. Attribute 3.2.12	Information campains, monitoring done by other agencies.	Intensive monitoring, done by other agencies.	ongoing	Swedish Agency for Marine and Water Management, Finnish Environment Institute	Invasive species considered: Rainbow trout, Neogobius melanostomus, Eriocheir sinensis, Marenzelleria spp., Cordylophora caspia, Potamopyrgus antipodarum, Amphibalanus improvisus, Cercopagis pengoi
4.13	**Management and institutional factors**						
4.13.2	Legal framework	Criterium 8. No attributes affected	Education of decision-makers and officials at the municipalities and regional authorities	no	Yearly education meetings	Metsähallitus Parks and Wildlife Finland, County Administrative Board of Västernorrland	The negative impact of this is not on the attributes of OUV, but that the existence of the WHS puts restrains on what is allowed to do inside the WHS and that it might take a longer time to get permits etc. The main effects are positive.

Summary - Factors affecting the Property **completed**

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.2	**Protective Measures**			
	Actions	**Timeframe**	**Lead agency (and others involved)**	**More info / comment**

5.2.3	An **adequate legal framework** for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists **but there are some deficiencies in implementation**	Lobbying for a clearer legal framework that explicitly mentions world heritage status as something to protect.	Sporadically ongoing	World Heritages in Sweden, The Association of World Heritage Sites in Finland.	.

5.3	**Management System/Management Plan**

5.3.11	There is **coordination** between the range of administrative bodies involved in the management of the property, **but it could be improved**	Several processes of developing the cooperation and coordination between the organisations are underway.	The processes underway are done 2023, but overall it is an ongoing activity.	Metsähallitus Parks and Wildlife, County Administrative Board of Västernorrland	.
5.3.12	The management system/plan is **only partially adequate** to maintain the property's Outstanding Universal Value	The first joint management plan will be finished 2023. The management plan will be updated 2026.	2026 -update of management plan.	United Nations. European Union. Finland. Sweden.	The threats to the OUV are at a global or multinational level, which the WH management has no advocacy over.
5.3.13	The management system at the property is **only being partially implemented**	In the new management plan, that takes effect in 2023, there are more monitoring activities included.	Should be implemented by 2026	Metsähallitus Parks and Wildlife, County Administrative Board of Västernorrland	The management system is almost fully implemented, but there are deficiencies in monitoring

6.1	**Funding**

6.1.3	The available **budget is acceptable** but **could be further improved** to fully meet the management needs of the World Heritage property	Applying for project fundings	Almost every year. Some joint projects and some are separate for High Coast or Kvarken Archipelago.	Metsähallitus Parks and Wildlife, County Administrative Board of Västernorrland	.
6.1.7	Human resources **partly meet** the management needs of the World Heritage property	Through the externally funded projects, we are able to hire more staff. Seasonal employments.	Ongoing	Metsähallitus Parks and Wildlife Finland, County Administrative Board of Västernorrland. World Heritages in Sweden, The Association of World Heritage Sites in Finland.	.

8	**Education, Information and Awareness Building**

8.2	There is a **limited and ad hoc education** and awareness programme for children and/or youth	Project employment of an educational resource person in Kvarken Archipelago. Educate the educators on the existing educational material. Provide opportunities for all classes in year 5 inside the WH to come to the visitor centre.	Ongoing but depending on financial resources.	Metsähallitus Parks and Wildlife Finland, County Administrative Board of Västernorrland. Municipalities in the WHS.	.

9	**Visitor Management**

9.7	There **is a strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is **not implemented**	Implement the action plan for sustainable place development. Continue with regular visitor surveys. Implementa Limits of acceptable change strategy.	High Coast visitor strategy 2030. Action plan evaluation in 2027.	Visit Vaasa, High Coast Destination Development, County Administrative Board, Metsähallitus Parks & Wildlife Finland	The visitor strategy is made by other agencies (Visit Vaasa, High Coast Destination Development). The impacts are not on the WHS OUV, but rather on visitors experience of nature, visitor infrastructure (parking, narrow roads).
9.9	Visitor use of the World Heritage property is managed but **improvements could be made**	Joint project with the Tourism Development Organisation created an action plan for sustainable place development, inculding sustainable tourism. Cooperation with local stakeholders. Certification of tourism operators.	Ongoing. Action plan evaluation in 2027.	Metsähallitus Parks and Wildlife, County Administrative Board of Västernorrland. Municipalities in the WHS. Tourism destination organisations.	.

10	**Monitoring**				
10.2	Information on the values of the World Heritage **property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved**	Developing monitoring of how visitors affect the protected areas of nature. Develop relevant monitoring on the key attributes of the OUV.	Monitoring indicators should be developed by 2026.	Metsähallitus Parks and Wildlife Finland, County Administrative Board of Västernorrland.	.

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?

Not applicable (sites inscribed exclusively under criteria vii to x (natural World Heritage properties)

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 are being **partially degraded** but the state of conservation of the World Heritage property has **not been significantly impacted**

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	Positive
Research and monitoring	Positive
Management effectiveness	Positive
Quality of life for local communities and indigenous peoples	Positive
Recognition	Very positive
Education	Positive
Infrastructure development	No impact
Funding for the property	Positive
International cooperation	Very positive
Political support for conservation	No impact

Legal/Policy framework	Positive
Advocacy	Positive
Institutional coordination	Positive
Security	No impact
Gender equality	No impact
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	No impact
Fostering inclusive local economic development and enhancing livelihood	Positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Positive
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

A CVI (Climate Vulnerability Index) assessment was made for the High Coast/Kvarken Archipelago World Heritage Site. During the process attributes and values connected to the OUV were identified and recent trends for the values were assessed. This gave a very good understanding of the climate change adaptation challenges the site will be facing in the future. An unexpected key take-away was the increased understanding of the OUV, and its associated values and attributes. The CVI report can be found here: https://highcoastkvarken.org/document/cvi-report-high-coast-kvarken-archipelago/

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

Synergies
State of Conservation
Management
Capacity Building

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 *World Heritage Convention*
Management effectiveness to maintain the 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	Fair
Site Managers	Fair
UNESCO World Heritage Centre	Fair
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Fair

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?

Revision of priorities/strategies/policies for the protection, management and conservation of heritage
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)

Governmental institutions responsible for cultural and natural heritage
Site Manager/Coordinator World Heritage property staff

Staff from other World Heritage properties
UNESCO National Commission
Other specific groups
municipalities and regional authorities
External experts
Other
Destination organisations

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

25 / 30 / 100 /

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 whole chapter 4 lacks an explanation on what is meant by the "questions". What is meant with Property? This isn't explained if it is in a wider context or if it is just focused on the OUV. Guidance is most often not guiding how the question should be interpreted, but rather explaining some terms that are already obvious. Many questions are poorly designed, with several statements put together that aren't mutually exclusive. Gender EQ questions need to be explained, women are in all groups.

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)	No support
UNESCO National Commission	No support
ICOMOS International	Not applicable
IUCN International	No support
ICCROM international/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	No support

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

UNESCO World Heritage Centre	No support
State Party Representative (national Focal Point)	Fair
UNESCO other sectors (e.g. field office)	No support
National Commission for UNESCO	No support
ICOMOS International	Not applicable

ICCROM International/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	No support
IUCN International	No support

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

- **Geographic information table**

  Reason for update: When High Coast was nominated the boundary was drawn by hand. Due to new modern geographical information system, Sweden would like to submit a file with the digitalized boundary of the High Coast. This digitalized border is done according to the map that was submitted together with the nomination in year 2000. Although the boundary is still the same the accuracy of the digitalization have a minor impact on the area figure. The accurate area is 152 034 ha. A new total areal is 346 434 hectar.

- **Map(s)**

  Reason for update: We have sent 3 updated maps, one over the whole WHS, one over Kvarken Archipelago and one over High Coast. Also GIS layers of the maps.

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

Sections 11 and 12: answers disappeared often even when they were saved. The answers written did not stay in the format but disappeared. This caused much unnecessary work when answers had to be typed in several times.

15.7.2 - Thank you for having filled in all the questions. Please contact your National Focal Point for validation.