

# Chankillo Archaeoastronomical Complex

## 1. World Heritage Property Data

### 1.1 - Name of World Heritage property


Chankillo Archaeoastronomical Complex

### 1.2 - World Heritage property details

### 1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Chankillo	-9.557 / -78.236	2112	43990	46102	
Cerro Mucho Malo	-9.518 / -78.181	2368	?	2368	
<b>Total (ha)</b>		<b>4480</b>	<b>43990</b>	<b>48470</b>	

### 1.4 - Map(s)

Title	Date	Link to source
Chankillo Archaeoastronomical Complex - map of the inscribed property	2021	

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

## 2. Other Conventions/Programmes under which the World Heritage property is protected (if applicable)

**2.1 - Records indicate that your World Heritage property (in whole or in part) is designated and/or protected under the Conventions/programmes shown in the prefilled table below. Please check and amend as necessary.**

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

### 2.2 - Please provide comments on 2.1 if necessary

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

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?**

Not applicable

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

Not applicable

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

Not applicable

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

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

## 2.8 - Please add any further comments on cooperation with the other designation(s)/programme(s)

Chankillo is a cultural asset for this reason, it is not related to agreements on natural assets

## 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?

Not aware

## 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?

Not aware

## 2.12 - Please list any documentary heritage associated with the World Heritage property listed under the Memory of the World Programme of which you are 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 Chankillo Solar Observatory and ceremonial center is a prehistoric site, located on the north-central coast of Peru, in the Casma Valley, comprising a set of constructions in a desert landscape that, together with natural features, functioned as a calendrical instrument, using the sun to define dates throughout the seasonal

year.

The property includes a triple-walled hilltop complex, known as the Fortified Temple, two building complexes called Observatory and Administrative Centre, a line of thirteen cuboidal towers stretching along the ridge of a hill, and the Cerro Mucho Malo that complements the Thirteen Towers as a natural marker.

**Criterion (i):** Chankillo Archaeoastronomical Complex is an outstanding example of ancient landscape timekeeping, a practice of ancient civilizations worldwide, which used visible natural or cultural features. Incorporated in the Thirteen Towers, it permitted the time of year to be accurately determined not just on one date but throughout the seasonal year. Unlike architectural alignments upon a single astronomical target found at many ancient sites around the world, the line of towers spans the entire annual solar rising and setting arcs as viewed, respectively, from two distinct observation points, one of which is still clearly visible above ground. The astronomical facilities at Chankillo represent a masterpiece of human creative genius.

**Criterion (iv):** Chankillo was in use for a relatively brief period of time between 250 and 200 BC, during a late phase of the Early Horizon Period (500-200 BC) of Peruvian prehistory, after which it was destroyed and abandoned. The Chankillo Complex is a very particular type of building representing an early stage in the development of native astronomy in the Americas. It shows great innovation by using the solar cycle and an artificial horizon to mark the solstices, the equinoxes, and every other date within the year with a precision of 1-2 days. The solar observatory at Chankillo is thus a testimony of the culmination of a long historical evolution of astronomical practices in the Casma Valley.

**Integrity**

All the elements necessary to express the Outstanding Universal Value of Chankillo Complex centred on calendrical observations of the sun are included within the property boundaries. Chankillo and the wider setting of related monuments that form the property take advantage of built and natural horizon markers to track the progressive passage of the sun along the horizon throughout the entire year. The natural environment and climatic conditions, that are the basis of the good visibility needed for astronomical observations at the site, are maintained to a large extent. The viewsheds that contain the main astronomical sightlines are generally unobstructed, but their preservation has to be monitored closely. Also, the visual integrity of the general setting of the property has to be maintained. Any infringement on the property by urban development or expansion of agricultural areas has to be avoided.

The advancing collapse of structural elements, with the loss of clear edges (e.g. at the tower buildings and the observatories), jeopardises the exactness of the astronomical observations. The conservation of monumental elements is fragile and needs to be closely monitored in the future. In case the information from future research indicates relationships of the central monuments with other elements of the property and beyond, a boundary adjustment should be considered.

**Authenticity**

The position of the Western and Eastern Observation Points in relation to the Thirteen Towers at Chankillo, identified by archaeological excavation and geophysical survey, and supported by archaeoastronomical data, suggests that the primary purpose of all these structures was to act together as a calendrical instrument. Since the 3rd century BC the sun has shifted slightly at and around the solstices, less at other times in the year. This small change has a negligible effect on the solar and possibly lunar alignments around the site but does not affect the ability of a present-day spectator to observe and understand the way in which the Chankillo functioned. Some aspects of the archaeoastronomical interpretations of the property may need further discussion. Since no invasive conservation and reconstruction campaigns have changed the material substance of the property, the conditions of authenticity in terms of material and form, are met.

**Protection and management requirements**

The property has been declared as National Cultural Heritage, through National Direction Resolution 075/INC of January 18, 2008. The property has been inventoried nationally by the Ministry of Culture and is registered in the National Superintendence of Public Registry (SUNARP). The property is reinforced by a buffer zone that extends around the site and includes part of the San Rafael Valley, Cerro Mongón, Lomas Las Haldas, Pampa Los Médanos, Cerro Manchán, Cerro San Francisco, and Cerro Monte Grande.

The Management Plan, recently approved, identifies the current conservation and management conditions of the property and its context, the risks and threats to the cultural and natural features of the property and its surroundings, and establishes the policies that govern conservation and heritage management, the strategies and protection measures, and the regulation of the use of the property and its buffer zone through zoning, as well as the programmes and projects focused on sustainability in the conservation of the property.

The effectiveness of the management system will have to be proven in practice. Participation of local communities in future planning should be reinforced, and protection and conservation efforts, which will be key in avoiding any negative impacts through, for example, inadequate tourism development, should be closely monitored.

**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	Templo fortificado	✗			
3.2.2	Observatorio Solar		✗		
3.2.3	Centro administrativo		✗		
3.2.4	Trece Torres		✗		
3.2.5	Cerro Mucho Malo	✗			
3.2.6					
3.2.7					
3.2.8					
3.2.9					
3.2.10					
3.2.11					
3.2.12					
3.2.13					

3.2.14					
3.2.15					

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

The property is in the process of investigation and conservation. Its attributes such as the 13 towers are being preserved and monitoring of the other structures is being carried out. The natural environment has regulatory protection by the municipal government through a Land Management Plan and monitoring is done by the Ministry of Culture.

## 4. Factors Affecting the Property

### 4.1. Buildings and Development

#### 4.1.1 - Housing

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.1.2 - Commercial development

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.1.3 - Industrial areas

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.1.4 - Major visitor accommodation and associated infrastructure

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.1.5 - Interpretative and visitation facilities

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 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 property does not have outstanding developments inside or adjacent to it. The buffer zone is duly regulated and the signaling infrastructure has not yet been developed

### 4.2. Transportation Infrastructure

#### 4.2.1 - Ground transport infrastructure

<input checked="" type="checkbox"/> Relevant	<input type="checkbox"/> Not relevant						
	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
 Negative							

#### 4.2.2 - Underground transport infrastructure

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.2.3 - Air transport infrastructure

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.2.4 - Marine transport infrastructure

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.2.5 - Effects arising from use of transportation infrastructure

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.2.6 - Please comment as necessary on how the factors selected as relevant in 4.2 are affecting the property either negatively or positively

### 4.3. Services Infrastructures

#### 4.3.1 - Water infrastructure

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.3.2 - Renewable energy facilities

Relevant	✕ Not relevant
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#### 4.3.3 - Non-renewable energy facilities

Relevant	✕ Not relevant
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#### 4.3.4 - Localised utilities

Relevant	✕ Not relevant
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#### 4.3.5 - Major linear utilities

Relevant	✕ Not relevant
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#### 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 property does not have outstanding developments inside or adjacent to it.

### 4.4. Pollution

#### 4.4.1 - Pollution of marine waters

Relevant	✕ Not relevant
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#### 4.4.2 - Ground water pollution

Relevant	✕ Not relevant
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#### 4.4.3 - Surface water pollution

Relevant	✕ Not relevant
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#### 4.4.4 - Air pollution

Relevant	✕ Not relevant
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#### 4.4.5 - Solid waste

Relevant	✕ Not relevant
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#### 4.4.6 - Input of excess energy

Relevant	✕ Not relevant
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#### 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

The property does not have outstanding developments inside or adjacent to it.

### 4.5. Biological resource use/modification

#### 4.5.1 - Fishing/collecting aquatic resources

Relevant	✕ Not relevant
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#### 4.5.2 - Aquaculture

Relevant	✕ Not relevant
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#### 4.5.3 - Land conversion






✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕		✕		✕			📈

#### 4.5.4 - Livestock farming/Grazing of domesticated animals













✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							

 Negative 							
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#### 4.5.5 - Crop production

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

#### 4.5.6 - Commercial wild plant collection

Relevant	 Not relevant
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#### 4.5.7 - Subsistence wild plant collection

Relevant	 Not relevant
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#### 4.5.8 - Commercial hunting

Relevant	 Not relevant
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#### 4.5.9 - Subsistence hunting

Relevant	 Not relevant
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#### 4.5.10 - Forestry/Wood production

Relevant	 Not relevant
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#### 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

The property does not have outstanding developments inside or adjacent to it.














### 4.6. Physical resource extraction

#### 4.6.1 - Mining

Relevant	 Not relevant
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#### 4.6.2 - Quarrying

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

#### 4.6.3 - Oil and gas

Relevant	 Not relevant
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#### 4.6.4 - Water (extraction)

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

#### 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

The property does not have outstanding developments inside or adjacent to it.

### 4.7. Local conditions affecting physical fabric

#### 4.7.1 - Wind

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	→ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕		✕				📈

#### 4.7.2 - Relative humidity

Relevant	✕ Not relevant
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#### 4.7.3 - Temperature

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	→ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕		✕			→	

#### 4.7.4 - Radiation/Light

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	→ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕		✕			→	

#### 4.7.5 - Dust

Relevant	✕ Not relevant
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#### 4.7.6 - Water (rain/water table)

Relevant	✕ Not relevant
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#### 4.7.7 - Pests

Relevant	✕ Not relevant
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#### 4.7.8 - Micro-organisms

Relevant	✕ Not relevant
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#### 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

Conservation factors are monitored through conservation research.

### 4.8. Social/Cultural uses of heritage

#### 4.8.1 - Ritual/Spiritual/Religious and associative uses

Relevant	✕ Not relevant
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#### 4.8.2 - Society's valuing of heritage

✕ 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

Relevant	✕ Not relevant
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#### 4.8.4 - Changes in traditional ways of life and knowledge system











Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.8.5 - Identity, social cohesion, changes in local population and community

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.8.6 - Impacts of tourism/Visitation/Recreation

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
 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

El turismo aun es muy limitado, pero ha generado gran expectativa y el interés es creciente. Se vienen gestionando convenios para implementar una interpretación apropiada que permita un turismo sostenible para el sitio.

#### 4.9. Other human activities

##### 4.9.1 - Illegal activities

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

##### 4.9.2 - Deliberate destruction of heritage

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.9.3 - Military training

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.9.4 - War

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.9.5 - Terrorism

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.9.6 - Civil unrest

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 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

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.10.2 - Flooding

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.10.3 - Drought

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.10.4 - Desertification

<input checked="" type="checkbox"/> Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative 							

#### 4.10.5 - Changes to oceanic waters

Relevant	 Not relevant
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#### 4.10.6 - Temperature change

Relevant	 Not relevant
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#### 4.10.7 - Other climate change impacts

Relevant	 Not relevant
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#### 4.10.8 - Please comment as necessary on how the factors selected as relevant in 4.10 are affecting the property either negatively or positively















#### 4.11. Sudden ecological or geological events

##### 4.11.1 - Volcanic eruption

Relevant	 Not relevant
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##### 4.11.2 - Earthquake

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

##### 4.11.3 - Tsunami/Tidal wave














Relevant	 Not relevant
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##### 4.11.4 - Avalanche/Landslide

Relevant	 Not relevant
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##### 4.11.5 - Erosion and siltation/Deposition

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

##### 4.11.6 - Fire (wildfire)

Relevant	 Not relevant
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#### 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

Relevant	 Not relevant
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##### 4.12.2 - Invasive/Alien terrestrial species

Relevant	 Not relevant
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##### 4.12.3 - Invasive/Alien freshwater species

Relevant	✕ Not relevant
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#### 4.12.4 - Invasive/Alien marine species

Relevant	✕ Not relevant
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#### 4.12.5 - Hyper-abundant species

Relevant	✕ Not relevant
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#### 4.12.6 - Modified genetic material











Relevant	✕ Not relevant
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4.12.7 - Please comment as necessary on how the factors selected as relevant in 4.12 are affecting the property either negatively or positively

### 4.13. Management and institutional factors





#### 4.13.1 - Management system/Management plan

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive ✕	✕	✕	✕	✕			
 Negative							









#### 4.13.2 - Legal framework

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive ✕	✕		✕	✕			
 Negative							











#### 4.13.3 - Governance

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive ✕	✕		✕				
 Negative							











#### 4.13.4 - Management activities

✕ 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
----------	----------------

#### 4.13.7 - Low impact research/monitoring activities

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

#### 4.13.8 - High impact research/monitoring activities

✕ 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

El sitio cuenta con un marco legal apropiado para su protección, incluyendo su zona de amortiguamiento Se realiza investigación arqueológica y conservación de sus estructuras, especialmente de las 13 torres. Se ha generado un convenio de cooperación con el gobierno regional para la implementación de otras intervenciones de conservación, seguridad e interpretación. Sin embargo, aun no se cuenta con un equipo humano suficiente por parte del Ministerio de Cultura para su gestión.











































#### 4.14. Other factor(s)

##### 4.14.1 - Other factor(s)

La propiedad es gestionada por la Dirección Desconcentrada de Cultura de Ancash que aun no cuenta con los recursos necesarios para una optima implementación.

#### 4.15. Factors Summary Table

##### 4.15.1 - Factors Summary Table







Name	Impact		Origin		Trend	
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure						
4.5 Biological resource use/modification						
4.5.3 Land conversion						
						
4.5.4 Livestock farming/Grazing of domesticated animals						
						
4.5.5 Crop production						
						
4.6 Physical resource extraction						
4.6.2 Quarrying						
						
4.6.4 Water (extraction)						
						
4.7 Local conditions affecting physical fabric						
4.7.1 Wind						
						
4.7.3 Temperature						
						
4.7.4 Radiation/Light						
						
4.8 Social/Cultural uses of heritage						
4.8.2 Society's valuing of heritage						

4.8.6 Impacts of tourism/Visitation/Recreation	+		P	+		→
4.9 Other human activities						
4.9.1 Illegal activities						
	-		P	+		→
4.10 Climate change and severe weather events						
4.10.4 Desertification						
	-	P			↻	→
4.11 Sudden ecological or geological events						
4.11.2 Earthquake						
	-		P	+	↻	→
4.11.5 Erosion and siltation/Deposition						
	-	P		+		→
4.13 Management and institutional factors						
4.13.1 Management system/Management plan	+	P	P	+	↻	→
4.13.2 Legal framework	+	P		+	↻	→
4.13.3 Governance	+	P		+		→
4.13.4 Management activities	+	P		+		→
4.13.5 Financial resources						
	-	P		+	↻	→
4.13.8 High impact research/monitoring activities	+	P	P	+	↻	→
	-					
<b>Legend</b> <span>P Current</span> <span>P Potential</span> <span>- Negative</span> <span>+</span> Positive <span>+</span> Inside <span>↻</span> Outside						

## 4.16. Assessment of current and potential positive and negative factors

### 4.16.1 - Assessment of current and potential negative and positive factors

#### 4.2 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 - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

## 4.5 Biological resource use/modification

Name	Impact			Origin		Trend
4.5.3 Land conversion						

Spatial scale - Area affected by the factor	
	Restricted
✕	Localised
	Extensive
	Widespread
Temporal scale - Occurrence 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 - Development 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 - Occurrence 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 - Development 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 - Occurrence 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 - Development 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 - Occurrence 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
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.6.4 Water (extraction)			
			

<b>Spatial scale - Area affected by the factor</b>	
✕	Restricted
	Localised
	Extensive
	Widespread


<b>Temporal scale - Occurrence of the impact</b>	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

<b>Impact - Impact on the attributes</b>	
✕	Insignificant
	Minor
	Significant
	Major

<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

## 4.7 Local conditions affecting physical fabric

Name	Impact	Origin	Trend
4.7.1 Wind			
			

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
✕	Extensive







	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
✕	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
✕	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.7.3 Temperature						
	⊖	⚡		🌐		➡

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
✕	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
✕	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity
✕	Medium capacity

	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.7.4 Radiation/Light			
	 		

#### Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
✕	Widespread

#### Temporal scale - Occurrence 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 - Development 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
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✕	Increasing

Name	Impact			Origin		Trend
4.8.6 Impacts of tourism/Visitation/Recreation	+		📢	📍		↗

<b>Spatial scale - Area affected by the factor</b>	
✕	Restricted
	Localised
	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
✕	Insignificant
	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity





✕	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✕	Increasing

## 4.9 Other human activities

Name	Impact			Origin		Trend
4.9.1 Illegal activities						
						

<b>Spatial scale - Area affected by the factor</b>						
✕	Restricted					
	Localised					
	Extensive					
	Widespread					
<b>Temporal scale - Occurrence of the impact</b>						
	One off or rare					
✕	Intermittent or sporadic					
	Frequent					
	On-going					
<b>Impact - Impact on the attributes</b>						
✕	Insignificant					
	Minor					
	Significant					
	Major					
<b>Management response - Capacity of management to respond</b>						
✕	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
<b>Trend - Development over the last 6 years</b>						
	Decreasing					
	Static					
✕	Increasing					

## 4.10 Climate change and severe weather events

Name	Impact			Origin		Trend
4.10.4 Desertification						
						





Spatial scale - Area affected by the factor	
	Restricted
	Localised
✕	Extensive
	Widespread
Temporal scale - Occurrence 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 - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

#### 4.11 Sudden ecological or geological events

Name	Impact			Origin		Trend
4.11.2 Earthquake						

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
✕	Widespread
Temporal scale - Occurrence of the impact	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor







✕	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.11.5 Erosion and siltation/Deposition						
						

<b>Spatial scale - Area affected by the factor</b>						
	Restricted					
✕	Localised					
	Extensive					
	Widespread					
<b>Temporal scale - Occurrence of the impact</b>						
	One off or rare					
	Intermittent or sporadic					
	Frequent					
✕	On-going					
<b>Impact - Impact on the attributes</b>						
	Insignificant					
	Minor					
✕	Significant					
	Major					
<b>Management response - Capacity of management to respond</b>						
	High capacity					
	Medium capacity					
✕	Low capacity					
	No capacity and / or resources					
<b>Trend - Development over the last 6 years</b>						
	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 - Occurrence 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 - Development 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 - Occurrence of the impact

	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going



#### Impact - Impact on the attributes

	Insignificant
--	---------------

	Minor
	Significant
✕	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✕	Increasing

Name	Impact			Origin		Trend
4.13.3 Governance						

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
✕	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.13.4 Management activities						










<b>Spatial scale - Area affected by the factor</b>							
<input checked="" type="checkbox"/>	Restricted						
<input type="checkbox"/>	Localised						
<input type="checkbox"/>	Extensive						
<input type="checkbox"/>	Widespread						
<b>Temporal scale - Occurrence of the impact</b>							
<input type="checkbox"/>	One off or rare						
<input checked="" type="checkbox"/>	Intermittent or sporadic						
<input type="checkbox"/>	Frequent						
<input type="checkbox"/>	On-going						
<b>Impact - Impact on the attributes</b>							
<input type="checkbox"/>	Insignificant						
<input checked="" type="checkbox"/>	Minor						
<input type="checkbox"/>	Significant						
<input type="checkbox"/>	Major						
<b>Management response - Capacity of management to respond</b>							
<input type="checkbox"/>	High capacity						
<input type="checkbox"/>	Medium capacity						
<input checked="" type="checkbox"/>	Low capacity						
<input type="checkbox"/>	No capacity and / or resources						
<b>Trend - Development over the last 6 years</b>							
<input type="checkbox"/>	Decreasing						
<input checked="" type="checkbox"/>	Static						
<input type="checkbox"/>	Increasing						

Name	Impact			Origin		Trend
4.13.5 Financial resources						

<b>Spatial scale - Area affected by the factor</b>							
<input checked="" type="checkbox"/>	Restricted						
<input type="checkbox"/>	Localised						
<input type="checkbox"/>	Extensive						
<input type="checkbox"/>	Widespread						
<b>Temporal scale - Occurrence of the impact</b>							
<input type="checkbox"/>	One off or rare						
<input checked="" type="checkbox"/>	Intermittent or sporadic						
<input type="checkbox"/>	Frequent						
<input type="checkbox"/>	On-going						
<b>Impact - Impact on the attributes</b>							
<input type="checkbox"/>	Insignificant						
<input checked="" type="checkbox"/>	Minor						

	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity
	Medium capacity
✕	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.8 High impact research/monitoring activities	  	 	
			

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
	Extensive
✕	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity
	Medium capacity
✕	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✕	Increasing

#### 4.17. Serial inscriptions (national or transnational)

**4.17.1 - If your property is a serial inscription (national or transnational) please identify which components of the property are impacted by each factor**

#### 4.18. Prediction of the state of conservation at next cycle of Periodic Reporting.

**4.18.1 - Please predict what the state of conservation of each attribute will be approximately 6 years from now (at the time of the next cycle of Periodic Reporting)**

	Attribute	Preserved	Compromised	Seriously compromised	Lost
4.18.1.1	Templo fortificado	×			
4.18.1.2	Observatorio solar		×		
4.18.1.3	Centro administrativo		×		
4.18.1.4	Trece torres		×		
4.18.1.5	Cerro Mucho Malo	×			

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

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

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

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

#### 5.2. Protective Measures

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

**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**

2008 / Resolución Directoral Nacional N° 075/INC / The Chankillo Monumental Archaeological Zone has been declared Cultural Heritage of the Nation / Culture Ministry / 2017 /

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

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

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

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

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

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 are **major deficiencies in 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**

At the level of national legal regulations, all sites declared Cultural Heritage of the Nation, as well as Zones of Special Environmental Interest (or local conservation areas) declared, have the same level of protection in their corresponding category, regardless of whether they are located in the Intangible Zone or Buffer Zone. The zoning with the permitted and incompatible uses is described in the Chankillo Solar Observatory Management Plan – Management of an Ancient Astronomical Landscape.

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

The property has protection of its nuclear area through the Law for the Protection of Cultural Heritage and also of the buffer zone through the territorial ordering of the broad environment of the site. This protects both the property and the landscape generated by the conditions of conservation and protection.

### 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

Public management system at national level

If 'Other', please specify


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

A management plan

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

The Decentralized Directorate of Ancash Culture, a decentralized entity of the Ministry of Culture in charge of the administrative, technical and financial management of the archaeological sites located in the Ancash region, among which is Chankillo, manages the necessary budgets for the execution of prioritized activities, that are contemplated in the Management Plan; It is also in charge of managing the site.

#### 5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Management Plan	N/A	Available	2021	

#### 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?

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

#### 5.3.8 - If the Climate Change policy has been used, please briefly describe what has been done along with any research on the impacts of Climate Change on the property:

#### 5.3.9 - Has any use been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property ?

The risk management policy is **fully based** on the agreed Strategy for Reducing Risks from Disasters at World Heritage Properties

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

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

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

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

The management system/plan is **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 but few 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

E Plan de Manejo del Observatorio Solar Chankillo: Gestión de un Paisaje Astronómico Antiguo en el valle de Casma, 2018-2028" es un instrumento para la investigación, la preservación y puesta en uso social del Observatorio Solar Chankillo. Presta atención a los procesos naturales y socioculturales que subyacen en él, mediante: S saneamiento físico legal, la seguridad y el uso público; fortalecimiento de la institucionalidad en torno al patrimonio y el desarrollo territorial; La articulación d

### 5.3.19 - Comments, conclusions and/or recommendations related to the management system/plan

It is focused on the research, preservation and putting into social use of the Chankillo Solar Observatory with attention to the natural and socio-cultural processes that underlie it, through: Legal physical sanitation, security and public use; strengthening of the institutional framework around heritage and territorial development; The articulation of interventions in the archaeological heritage and the strengthening of local identities and capacities.

## 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.)	0 %	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)	0 %	100 %
6.1.1.7	Governmental (regional/provincial/state)	0 %	0 %
6.1.1.8	Governmental (local/municipal)	0 %	0 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	100 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	0 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	0 %
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 inadequate** for basic management needs and presents a serious constraint to the capacity to manage

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

The existing sources of funding are **secure over the medium-term** and **planning is underway to secure funding over the long-term**

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

Financing for current expenses is assured through the Peruvian state, while research and conservation interventions are financed through cooperation agreements.

**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	30 %	50 %
6.1.6.2	Women	70 %	50 %
		Total 100 %	Total 100 %

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

Human resources are **inadequate** for management needs

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

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

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

Conservation	Fair
Environmental sustainability	Fair
Community participation and inclusion	Fair

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

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

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

#### 6.1.11 - If the World Heritage Strategy for Capacity Building has been used, please briefly describe what has been done.

#### 6.1.12 - Are there site-specific capacity building plans or programmes that develop local expertise and that contribute to the transfer of skills for the conservation and management of the World Heritage property?

A site-based capacity building plan or programme has been developed but it is not implemented and skills are not being transferred

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

There is a site-based capacity building plan or program, but the necessary human technical team for capacity transfer has not yet been formed. Most of the technical work is carried out by external specialists

### 7. Scientific Studies and Research Projects

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

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

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

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

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

Research results are shared with local communities and some national agencies

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

Scientific research and conservation studies are carried out by external specialists with international funding and are supervised by the state

### 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	Poor
Youth/children	Poor
Researchers	Good
Local visitors	Fair
National/international tourists	Fair
Tourism industry	Poor
Local businesses and industries	Poor
NGOs	Fair
Other specific groups	Not applicable

If you selected 'Other specific groups', please describe

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

There is 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

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

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

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

The state is in the process of implementing budgets for the development of education, information and awareness activities that are part of the management plan.

**9. Visitor Management**

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

Sin datos / Sin datos / Sin datos / Sin datos / Sin datos /

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

Other

The DDC Ancash was consulted

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

One to three hours

**9.4 - Please provide the source of information**

The site does not yet have a visitor registration system by the DDC Ancash. Tourism is still carried out on a limited basis. Records of the DDC Ancash - Ministry of Culture

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

25 / 15 / 10 / 0 / 0 / 0 /

**9.6 - Please provide the source of information**

Tourist reports from MINCETUR for the province of Casma

**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**

Collaboration with the regional government of Ancash is in process to develop tourist services on the property

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

Visitor use of the World Heritage property is **not being actively managed despite an identified need**

**9.10 - Is the effectiveness of tourism management regularly monitored?**

No

If a different system, please specify

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



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

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

The Outstanding Universal Value of the property is **not presented or interpreted**

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

**Not displayed at all**

**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?**

Not applicable

If 'Yes', please specify

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

Not applicable

If 'Yes', please specify

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

Collaboration with the regional government of Ancash is in process to develop tourist services on the property

**10. Monitoring**

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

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

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

Information on the values of the World Heritage property is **adequate and key indicators have been defined** for measuring the state of conservation and **are being used in monitoring** of how the Outstanding Universal value of the property is being maintained

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

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

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

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

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Poor
Local communities	Non-existent
Indigenous peoples	Not applicable
Landowners	Not applicable
Women	Non-existent
Researchers	Good
Tourism industry	Poor
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?

Implementation is underway

## 10.7 - Please provide comments relevant to the implementation of recommendations from the World Heritage Committee.

The World Heritage Committee recommended carrying out conservation work on the site's structures. A conservation project is being developed for the most representative structures such as the 13 towers. This intervention is ongoing and has shown good results.

## 10.8 - Comments, conclusions and/or recommendations related to Monitoring

A conservation project is being developed for the most representative structures such as the 13 towers. This intervention is ongoing and has shown good results.

## 11. Identification of Priority Management Needs

### 11.1 - Identification of Priority Management Needs

5.1	<b>Boundaries and Buffer Zones</b>	
5.1.4	The buffer zones of the World Heritage property <b>are known and recognised by the management authority but are not known and recognized by local communities/landowners</b>	✕
5.2	<b>Protective Measures</b>	
5.2.5	An <b>adequate legal framework</b> exists for the broader setting of the World Heritage property and the buffer zone, <b>but there are some deficiencies in implementation</b> which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property	
5.2.6	There are <b>major deficiencies in capacity/resources</b> to enforce legislation and/or regulation in the World Heritage property	✕
5.3	<b>Management System/Management Plan</b>	
5.3.5	<b>No use</b> has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	
5.3.7	<b>No use</b> has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	
5.3.12	The management system/plan is <b>only partially adequate</b> to maintain the property's Outstanding Universal Value	✕
5.3.13	The management system at the property is <b>only being partially implemented</b>	
5.3.14	An annual work/action plan <b>exists for the property but few of the activities are being implemented</b>	✕
5.3.17	<ul style="list-style-type: none"> <li><b>In a limited manner</b>, the management system of the World Heritage property does <b>contribute to gender equality</b></li> <li><b>In a limited manner</b>, the management system of the World Heritage property does <b>contribute to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status</b></li> <li><b>In a limited manner</b>, the management system of the World Heritage property does <b>integrate a human rights-based approach</b></li> </ul>	
6.1	<b>Funding</b>	
6.1.3	The available <b>budget is inadequate</b> for basic management needs and presents a serious constraint to the capacity to manage the World Heritage property	
6.1.7	Human resources <b>are inadequate</b> for the management needs of the World Heritage property	✕
6.1.10	<b>No use</b> has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	✕
6.1.12	<b>A site-based</b> capacity building plan or programme has been developed <b>but it is not implemented</b> and skills are not being transferred	✕
8	<b>Education, Information and Awareness Building</b>	
8.2	There is a <b>limited and ad hoc education</b> and awareness programme for children and/or youth	
9	<b>Visitor Management</b>	
9.7	There is a <b>strategy</b> to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is <b>not implemented</b>	✕
9.9	Visitor use of the World Heritage property is <b>not being actively managed despite an identified need</b>	✕
9.11	There is <b>contact</b> but this is largely confined to administrative or regulatory mattersThere is contact between those responsible for the World Heritage property and the tourism industry but this <b>is largely confined to administrative or regulatory matters</b>	
9.12	The Outstanding Universal Value of the property is <b>not presented or interpreted</b>	✕

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

4.5	Biological resource use/modification						
4.5.5		Crop production					
4.6	Physical resource extraction						
4.6.2		Quarrying					
4.7	Local conditions affecting physical fabric						
4.7.1	Wind	Criterion (i) y (iv). Attributes: The 13 towers, fortified temple, administrative center	The winds impact with more intensity all the external walls, an erosion process is generated that affects the components. It is also necessary to consider the hauling and consequent accumulation of sand in the form of dunes of different sizes and shapes, as occurs in the northern part of the Thirteen Towers.	It is done through the conservation project on the site, with supervision from the Ministry of Culture.	Due to the characteristics of the site, it is a permanent process	Culture Ministry - IDARQ Archaeological Research Institute	It is likely that the external faces of the southern part of Walls 1 and 2 could have been affected by this phenomenon, but at the moment it is not possible to know with certainty due to the fact that the collapses of the upper parts of the walls and the accumulations of sand prevent such observation.
4.7.3	Temperature	Criterion (i) y (iv). Attributes: The 13 towers, fortified temple, administrative center	Chankillo structures are subject to daily and seasonal temperature cycles that cause dilation and contraction phenomena, which affect the microstructure of the stones that make up the walls and platforms.	It is done through the conservation project on the site, with supervision from the Ministry of Culture.	Due to the characteristics of the site, it is a permanent process	Culture Ministry - IDARQ Archaeological Research Institute	Humidity generates a series of physical processes that alter the structure of the stone, facilitating granular disintegration or fragmentation, which reduces its mechanical resistance.
4.7.4	Radiation/Light	Criterion (i) y (iv). Attributes: The 13 towers, fortified temple, administrative center	Chankillo structures are subject to environmental effects that affect the microstructure of the stones that make up the walls and platforms.	It is done through the conservation project on the site, with supervision from the Culture Ministry	Due to the characteristics of the site, it is a permanent process	Culture Ministry - IDARQ Archaeological Research Institute	Due to its location, the site is exposed to radiation conditions.
4.9	Other human activities						
4.9.1		Illegal activities					
4.10	Climate change and severe weather events						
4.10.4	Desertification	Criterion (i). Attributes: The 13 towers, fortified temple, administrative center	Chankillo structures are subject to environmental effects that affect the microstructure of the stones that make up the walls and platforms.	It is done through the conservation project on the site, with supervision from the Culture Ministry	Due to the characteristics of the site, it is a permanent process	Culture Ministry - IDARQ Archaeological Research Institute	Due to its location, the site is exposed to desertification conditions.
4.11	Sudden ecological or geological events						
4.11.2	Earthquake	Criterion (i) y (iv). Attributes: The 13 towers, fortified temple, administrative center	They are a high risk factor for site structures, especially those whose walls remain standing, to their full height.	Culture Ministry	Due to the characteristics of the site, it is a permanent process	Culture Ministry - IDARQ Archaeological Research Institute	Regarding biological agents, there are a number of organisms in the stones that continue to act, mainly lichens, but the level of damage does not

							represent a risk factor.
4.11.5	Erosion and siltation/Deposition	Criterion (i) y (iv). Attributes: The 13 towers, fortified temple, administrative center	The transport and consequent accumulation of sand in the form of dunes of different sizes and shapes, as occurs in the northern part of the Thirteen Towers.	It is done through the conservation project on the site, with supervision from the Culture Ministry	Due to the characteristics of the site, it is a permanent process	Culture Ministry - IDARQ Archaeological Research Institute	Since the wind carries sand and other particles in suspension, an erosion process is generated that affects the components
4.13	Management and institutional factors						
4.13.5		Financial resources					
Question not completed							

## 12.2. Summary - Management Needs

### 12.2.1 - Summary - Management Needs

5.1	Boundaries and Buffer Zones					
		Actions	Timeframe	Lead agency (and others involved)	More info / comment	
5.1.4	The buffer zones of the World Heritage property <b>are known and recognised by the management authority but are not known and recognized by local communities/landowners</b>	The communities in the buffer zone are not very well informed about the regulation of the buffer zone. The municipal authority approved the land use regulation but it was properly disseminated.	2022-2023	Municipality of Casma - Culture Ministry	Wide dissemination is required over the limits of the buffer zone	
5.2	Protective Measures					
5.2.6	There are <b>major deficiencies in capacity/resources</b> to enforce legislation and/or regulation in the World Heritage property	Buffer zone communities are not very well informed about buffer zone regulation, but negative actions are less close to property.	2022-2023	Municipality of Casma		
5.3	Management System/Management Plan					
5.3.12	The management system/plan is <b>only partially adequate</b> to maintain the property's Outstanding Universal Value	The management system falls on the Decentralized Directorate of Culture, which does not have sufficient resources for optimal management of the property.	2022-2023	Culture Ministry	An investment project has been scheduled to finance the actions to implement the management plan	
5.3.14	An annual work/action plan <b>exists for the property but few of the activities are being implemented</b>	The property has a management plan but there are financial difficulties for its full implementation	2022-2023	Culture Ministry	An investment project has been scheduled to finance the actions to implement the management plan	
6.1	Funding					
6.1.7	Human resources <b>are inadequate</b> for the management needs of the World Heritage property	The management falls on the Decentralized Directorate of Culture that does not have sufficient human resources for optimal management of the property.	Financing is expected in 2022	Culture Ministry - Gobierno Regional de Ancash	A cooperation agreement was signed with the Regional Government of Ancash	

6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	The site was registered in 2021 and is in the process of implementation for capacity building	Activities are being incorporated into the 2023-2024 operating plans	Culture Ministry	A cooperation agreement was signed with the Regional Government of Ancash
6.1.12	A site-based capacity building plan or programme has been developed <b>but it is not implemented</b> and skills are not being transferred	The management plan contemplates actions for the strengthening of capacities, but the human technical team necessary for the transfer of capacities has not yet been formed.	2023-2024	culture Ministry	A cooperation agreement was signed with the Regional Government of Ancash

9	Visitor Management				
9.7	There is a <b>strategy</b> to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is <b>not implemented</b>	The tourism management strategy is contemplated in the management plan.	2022-2023	Culture Ministry	Se suscribió un convenio con el gobierno regional de Ancash para desarrollar la infraestructura de turismo
9.9	Visitor use of the World Heritage property is <b>not being actively managed despite an identified need</b>	The tourism management strategy is contemplated in the management plan.	2022-2023	Culture Ministry	Se suscribió un convenio con el gobierno regional de Ancash para desarrollar la infraestructura de turismo
9.12	The Outstanding Universal Value of the property is <b>not presented or interpreted</b>	The tourism management strategy is contemplated in the management plan.	2022-2023	Culture Ministry	Se suscribió un convenio con el gobierno regional de Ancash para desarrollar la infraestructura de difusión

Summary - Management Needs completed

### 12.3. Conclusions on the State of Conservation of the Property

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

The Authenticity of the World Heritage property **has been preserved**

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

The Integrity of the World Heritage property is **intact**

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

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

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

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

#### 12.3.5 - Comments, conclusions and/or recommendations related to the state of conservation of the property.

### 13. Impact of World Heritage Status

#### 13.1 - Please rate the impacts of World Heritage status of the property in relation to the following areas

Conservation	Very positive
Research and monitoring	Very positive
Management effectiveness	Positive

Quality of life for local communities and indigenous peoples	Positive
Recognition	Positive
Education	No impact
Infrastructure development	No impact
Funding for the property	Positive
International cooperation	Positive
Political support for conservation	Positive
Legal/Policy framework	Positive
Advocacy	No impact
Institutional coordination	Positive
Security	Positive
Gender equality	No impact
Provision of ecosystem services/ benefits to local communities	No impact
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	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

The impacts of the property's World Heritage status have been positive for its appreciation by the community. The property was registered in 2021, for which other impacts have not yet been developed

## 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

Conservation project at Access 1 of the Fortified Temple financed through a collaboration agreement between the state, researcher and international entity. It intervened positively in the conservation.

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

Synergies
State of Conservation
Management
Governance

## 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	Not needed
Site Managers	Not needed
UNESCO World Heritage Centre	Not needed
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Not needed

## 15.2. Use of Data

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

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

Update of management plans

Fundraising

Awareness raising

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

The collected data will contribute to the update prioritizing the interventions and programs of the site.

## 15.3. Timing and resources

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

Governmental institutions responsible for cultural and natural heritage

Site Manager/Coordinator World Heritage property staff

### 15.3.2 - Has a gender balanced contribution and participation been considered in the filling out of this questionnaire?

Gender balance has been **explicitly considered** in the process **but there are still deficiencies in the implementation**.

### 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

120 / 90 / 40 /

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

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

## 15.4. Format and content of the Periodic Report

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

**Most** required information was accessible.

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

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

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

It is recommended that the form has a section explaining the purpose of each question

## 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	Good
UNESCO (other sectors/field offices)	Fair
UNESCO National Commission	No support
ICOMOS International	Good
IUCN International	Good
ICCROM international/regional	No support
ICOMOS national/regional	No support
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	Good
State Party Representative (national Focal Point)	Good

UNESCO other sectors (e.g. field office)	Fair
National Commission for UNESCO	No support
ICOMOS International	Fair
ICCROM International/regional	Fair
ICOMOS national/regional	No support
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?**

No

**15.5.4 - If you found that the online training resources were not adequate, what changes would you like to see implemented?**

Periodic training sessions and follow-up are recommended for the process of filling out the form

**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**

No item were proposed for update

**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**

Chankillo was registered in 2021 and the management plan was approved in 2020, therefore, many of the management aspects are still in the process of being implemented and there is no history of previous periodic reports.

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