

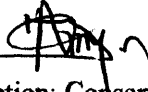
Ngorongoro Conservation
Area

**PERIODIC REPORTING OF THE
AFRICAN SITES INSCRIBED ON
THE WORLD HERITAGE LIST.**

SECTION II

Convention concerning Protection of the World Cultural and Natural Heritage
 Periodic reporting of the African sites inscribed on the World heritage list

II.1. Introduction

a	State Party	United Republic of Tanzania	001
b	Name of the property as inscribed on the World Heritage list	Ngorongoro Conservation area (NCA)	002
c	Geographical coordinates	Localisation: Latitude 3°15's Longitude 35°30'E	003
d	Date of inscribed on the World Heritage list		004
e	Organisation responsible for the preparation of this report.	Organisation: Ngorongoro Conservation Area (NCA) Person responsible The Conservator of Ngorongoro P.O.Box 1 Ngorongoro Crater Arusha -Tanzania. City & Post Code: 027 Telephone: 255 027 2537046 Fax: 255 027 253 7007 E-Mail: ncaa_faru@cybarnet.co.tz	005 006 007 008
f	Date of report	28 march 2001	009
g	Signature on behalf of the state Party	Surname and Given name: Mr. E.B. Chausi  Function: Conservator of Ngorongoro	

II.2. Statement of significance

a	At the time of inscription of a property on the World Heritage list, The World Heritage Committee indicates its World Heritage values by deciding on the criteria for inscription.	<p>Justification for inscription provided by the state Party:</p> <p>A large permanent concentration of resident wild animals can be found in the huge and perfect caldera of Ngorongoro. Nearby, the crater of Empakaai, filled by a deep lake, and the active volcano of Oldonyo Lengai can be seen. Excavations carried out in the Olduvai Gorge, not far from there, have resulted in the discovery of man's more distant ancestors, Homo habilis.</p>	
b	Criteria according to which the Committee inscribed the property on the World Heritage List	<p>Cultural Criteria: (N, ii-iii-iv/1979)</p> <p>Natural criteria:(N ii, iii, iv/1979)</p>	
c	Observation made by the advisory body during evaluation	Observation made in 1970s by the body do not exist under the application of a general management plan in place	
d	Observation made by the World Heritage Committee at the time of inscription	The values of the property which entailed its inscriptions till intact	
e	Reactions to these observations	None	

II 2.2. update of statement of significance.

a	In the view of the State Party, does the statement of significance adequately reflect the World Heritage values of the property?	Yes	
b	or is re-submission necessary ?	<p>Is there cause to reconsider these values?</p> <p>Yes</p> <p>To recognise cultural values of the property.</p>	
c	Delimitation of the World Heritage Property.	<p>Does the delimitation of the World Heritage Property seem adequate:</p> <p>Yes</p> <p>Does the delimitation of the buffer zone seem adequate:</p> <p>Yes</p>	
d	Are vision or extension of the boundaries might be considered in response to such review.	<p>Is the State party considering asking for revision of the boundaries:</p> <p>Yes</p>	
e	If a statement of significance is not available or incomplete . it will be necessary, in first periodic report, or the State Party to propose such a statement.	<p>New statement of Significance:</p> <p>None</p>	

II.3. Statement of authenticity/integrity

a		<p>What was the evaluation of the authenticity/integrity of the property at the time of inscription ?</p> <p>The property had natural and cultural values of international universal values</p>	
b	<p>What is the authenticity/integrity of the property at present?</p>	<p>Have there been changes in the authenticity/integrity of the property since inscription?</p> <p>No</p> <p>Are changes in the authenticity/integrity of the property foreseeable in the near future?</p> <p>No</p> <p>What are the main causes of changes in the authenticity/ integrity since inscription?</p> <p>No change</p> <p>Modification to the authenticity/integrity since inscription?</p> <p>No modification to the authenticity/integrity since inscription.</p>	
		<p>Have the values on basis of which the property was inscribed been maintained?</p> <p>Yes.</p>	

II 4.1. Legal and institutional framework

a	<p>Ownership:</p> <p>Legal status:</p> <p>Legal framework (national and local)</p> <p>Institutional framework (Local)</p>	<p>State. (Government of the United Republic of Tanzania)</p> <p>Ngorongoro conservation Area ordinance cap.413 as amended by the Game parks laws (Miscellaneous Amendments) Act No. 14 of 1975.</p>
	<p>Agency responsible for the management</p>	<p>Ngorongoro Conservation Area.</p> <p>Responsible: Conservator of Ngorongoro (Mr. E.B. Chausi) P.O.Box 1 Ngorongoro Crater. Post & city code 027 Tel: 255 027 253 7046 Fax: 255 027 253 7007 E-Mail ncaa_faru@cybernet.co.tz</p>
b	<p>Actions foreseen to preserve the values for the future</p>	<p>-Provide assessment of human and natural resources - Training -Research activities -Envolvement of local resident of the property</p>

II.4.2. Management and planning.

a	Under which authority is the property managed	Ngorongoro conservation Area Authority (NCAA) Changes occurred at the site since inscription regarding to: Ownership: None Legal status : None Protective measures : None Boundaries: None Available resources: None	
b	Registered plans to the property.	Local Plan : General management plan (GMP) Tourism development plan: in presses	

II.4.3. Management plan of the sites and statement of objectives

<p>a</p>	<p>The management plan is a basic tool for the management of the site designated to organise the conservation and to base the actions for development relative to the property. A copy of General management plan is attached with this report.</p>	<p>Does a functional management plan exist: Yes.</p> <p>Is a management plan being prepared or updated: Yes (Prepared)</p> <p>Has the local community been consulted and informed about the management plan: Yes (They participated fully during the preparation of the site General management plan).</p> <p>Does the management plan take into account the available human resources. Yes</p> <p>Does the management plan take into account the actual financial resources. Yes.</p> <p>Does the management plan include aspect of personal training: Yes.</p> <p>Does the manage not planning include zoning and multiple uses of the site Yes.</p> <p>Does the management plan account for delimited buffer zone Yes</p> <p>Does the management plan include regular monitoring actions of the site. Yes</p>
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b		<p>Implementation of the general management plan:</p> <p>This was done by Governmental and non Governmental institution.</p> <p>The local communities were involved during the implementation of the general management plan.</p> <p>Evaluation of the Management plan: Periodicity</p> <p>Revision scheduled every five years.</p>	
		<p>Financial support for the implementation of the management plan:</p> <p>Bilateral financing.</p> <p>Obstacles to the implementation of the management plan</p> <p>Lack of funds</p> <p>Date of implementation of the present management plan:</p> <p>1997.</p>	
d		<p>Person responsible for the Property: Mr. E.B.Chausi</p> <p>Function Conservator of Ngorongoro</p> <p>Address</p> <p>P.O.Box 1, Ngorongoro crater Arusha -Tanzania.</p> <p>Tel: 255 027 253 7046 Fax: 255 027 253 7007 E-mail: ncaa_faru@cybernet.co.tz</p>	

II.4.4. Capacities in human and financial resources at site level

a	Human resources	<p>Level of staff:</p> <p>1. Management : 10</p> <p>2. Managerial staff/engineers (number,role) 35</p> <p>3 Manpower (number ,role) 235</p> <p>Guards 94 Trackers 6 Chauffeus 45 Secretaries 5 Workers 65 Unskilled labours 15</p>	
b		<p>Regular financial resources:</p> <p>Sources and level of financing</p> <p>All the funds are from the NCA</p> <p>Income generated direct by the management:</p> <p>Type renews from tourism</p> <p>Amount 2416123195 Tsh</p> <p>Utilization Conservation and tourism activities and community development</p>	
c		<p>Personnel training needs:</p> <p>Observed shortcoming: All trained personnel are working hard to ensure the existence and survival of the property</p> <p>Personnel training needs:</p> <p>Type of training desired: Short term and long term training</p>	

II. 4.5. Additional information concerning protection and conservation

a	Protection and conservation.	<p>Sources of expertise for the training in conservation and management techniques:</p> <ul style="list-style-type: none"> - College of African wildlife management -Mweka - Other academic institutions in and outside the Country. <p>Protection measures and means of implementation:</p> <p>Done by NCAA</p> <p>Existing local programmes :</p> <ul style="list-style-type: none"> -Conservation groups. <p>Policies programmes to safeguard of the sites.</p> <p>Maintain a dynamic multiple land use system which perpetuates the historical balance of people and nature.</p> <p>Conserve the biodiversity and ecological integrity of the Serengeti ecosystem and Ngorongoro highlands.</p> <p>Conserve the areas internationally significant palaeontological and archaeological sites and resources.</p> <p>Protect water catchments vital to Region's ecology and residents.</p> <p>Safeguard and promote the rights of indigenous residents of the area to control their own economic and cultural development in a manner that leaves exceptional recourses intact.</p> <p>Encourage responsible tourism which benefits the local, Regional and National economy.</p> <p>Provide opportunities for interpretation, education, and research concerning natural and cultural resources.</p> <p>Maintain and promote those values for which the area is designated as a world Heritage Property and International Biosphere Reserve.</p> <p>Financing NCAA Other institutions (NGO's)</p>	
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b	Technical assistance	<p>Technical assistant provided by the United Nation system:</p> <ul style="list-style-type: none"> a) World Heritage Centre b) UNDP c) UNESCO <p>Others IUCN</p> <p>Technical assistant provided by bilateral cooperation:</p> <ul style="list-style-type: none"> a) NORAD B) DANIDA 	
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II.4.6. Scientific, technical and educational activities

a	The state parties are also encouraged to provide information scientific studies	Scientific studies Research facilities at the site: Laboratories: Present Housing for researchers: present. Vehicles: none Scientific equipments: Database: in process Herbaria: present Zoological collection: present Skilled personnel (technicians, laboratory staff) Present.	
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b	<p>Relevant information on Research information carried out at the site.</p>	<p>Research and development programmes:</p> <p>Name of the programme: I) Ngorongoro Ecological Monitoring Programme (NEMP)</p> <p>Agency sponsoring the research Ngorongoro Conservation Area (NCA)</p> <p>ii) Ngorongoro Sokoine University joint research project Agency sponsoring the research: NORAD</p> <p>Participation of national/or foreign teams: Researchers from University of Dar es Saalam Tanzania and other research from higher learning institutions within and outside the country do participate.</p> <p>Objectives of the programme Monitoring of ecological and social economic parameter in the NCA</p> <p>Progress status: All planned activities are proceeding well</p> <p>Results obtained : analysis in process</p> <p>Publications: None</p> <p>Human resources involved: -Research assistant from NCA -Research officers from NCA and local institution -Research officers from in and outside the country.</p>
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c	New management techniques	<p>New management techniques:</p> <p>Availability of computer: Type :Compaq Capacity: MV 520 Year: Windows 98</p> <p>Possible access to the internet: Yes</p> <p>Operational access to the internet: Yes</p> <p>Use of the E-mail: Yes</p> <p>Geographical information system for the site: underway</p>	
d	Educational activities	<p>Does the site receives schools' visits? Yes (Every year more than 10 schools visit the site)</p> <p>Are there educational programmes aimed at schools: Yes</p> <p>Is there an environmental education policy: Yes</p> <p>NCA management and local communities are in the implementation.</p>	
e	Public information activities and awareness building in direct relation to the property:	<p>How are general public information activities organised?</p> <ul style="list-style-type: none"> - Through community conservation meetings, workshops, and seminars -Conservation groups <p>How are the World Heritage values transmitted to residents and visitors?</p> <ul style="list-style-type: none"> -Through publicity -Trade faires -Conservation groups -Community based conservation -awarenessfaires on the values of the property 	

II.4.7. Diverse elements

<p>a</p>	<p>Whether The site has a plaque identifying it as a World Heritage Site;</p> <p>Whether special invents and exhibitions are organised</p>	<p>World Heritage logo plaque present</p> <p>World Heritage property signs present</p> <p>Visitor information/interpretation centre. Present and functioning properly</p> <p>Site museum Present</p> <p>Discovery paths/trails Present</p> <p>Hotels infrastructure(logging, restaurant) present</p> <p>Parking lot Present</p> <p>First aid and rescue station Present</p> <p>Casual personel and training received Present</p> <p>Information materil: leaflets, books, slides, videos, CD-ROMs, etc Present</p> <p>Open house day present</p> <p>Special ivents /exhibitions Preset</p> <p>Targeted communication actions: radio , TV , press Present</p> <p>Impact on inscription on visitor number Increasing steadily</p>
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b	Is it necessary to revise the legislative texts governing the property: Is it necessary to revise significantly the administrative texts governing the property	Yes No	
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II.5.1. Degree to which the property is threatened.

a	Degree to which the property is threatened by particular problems and risks.	<p>Development pressures:</p> <p>Visual integrity: Sites: properly planned Waste and refuse: waste disposal management plan in place Construction: properly planned Buildings: properly planned ,building code underway Badly integrated infrastructures: none Illegal grazing and overgrazing: none Wood cutting And clearing: minimal</p> <p>Structural integrity</p> <p>Roads: properly planned Dams: properly planned Mines: none Water pollution(type, source, scope, consequences, costs)- none</p> <p>Airpollution (type, source, scope, consequences, costs) - none</p> <p>Earth pollution (type, source, scope, consequences, costs): none</p> <p>Disappearance or significant reduction of animal or vegetal species: none</p> <p>Functional integrity: Conservation of biological productivity: -Well maintained</p> <p>Conservation of diversity: -Well maintained</p> <p>Functional of cycles (water, etc.) -Well maintained</p>
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b	Environmental pressure	<p>Visual integrity: Modification of the relief; -None</p> <p>Modification of the vegetal cover; -None</p> <p>Structural integrity:</p> <p>Disappearance of significant reduction of animal or vegetable species -None</p> <p>Reintroduction animal or vegetable species; - Two black rhinos from Ado National park -South Africa 1997)</p> <p>Rehabilitation of ecosystem or natural environment -None</p> <p>Suspension of introduced animal or vegetal species; -None</p> <p>Functional integrity:</p> <p>Quality of the life sustaining systems; -Well maintained</p> <p>Conservation of biological productivity; -Well maintained</p> <p>Conservation of Diversity; -Well maintained</p> <p>Functioning of the cycles (water, etc) -Well maintained</p> <p>Predictable climatic change; -None</p>
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C	Natural catastrophes and preparatory planning,	Natural threats catastrophes (possible or real) concerning the site: Earthquakes: Not possible Land slides: Not possible Avalanches: Not possible Floods: Not possible Droughts: on forecast Fires: well planned (fire lines, early burning) Volcanoes: Not possible
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d	Visitor/tourism pressures	<p>Yearly visitor statistics:</p> <p>Number of the visitor per year : Increasing</p> <p>Origin of the visitors; Europe, USA, UK, Africa and Tanzania Citizen (residents and non residents).</p> <p>Evolution of visitor statistics over the year: Increasing</p> <p>Annual income from tourism: proximately 2.5 billion Tsh.</p> <p>Accessibility to the site from the capital:</p> <ul style="list-style-type: none"> - Distance : 178km from Arusha town to NCA headquarters -Paved roads: Makuyuni to Arusha -Seasonal routs: None -Air ports: Kilimanjaro International airport, Kilimo anga airport <p>Circulation within the site:</p> <ul style="list-style-type: none"> for handicapped; none for vehicles according to the season: none <p>Pressure from tourism:</p> <p>Collection of samples (fauna, flora, objects): none</p> <p>Damage (trampling): none</p> <p>Waste management (dustbins, WC): Waste disporsal management plan underway</p> <p>Fires: properly managed</p> <p>Tourism infrastructures:</p> <p>Picnicareas: properly planned</p> <p>Halts: none</p> <p>Waste bins: proprly managed</p> <p>path markers: properly organised</p> <p>The tourist capacity for the site 236000 people per year</p> <p>Can one speak of sustainable tourism: Yes.</p>
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e	and the inhabitants	<p>Relation with the neighbouring residents of the site: There is good relation between the site and the neighbouring residents</p> <p>Evolution of the local population Number of inhabitants living at the site increasing</p> <p>Number of inhabitants living in the buffer zone (20km) : increasing</p> <p>Evolution since the creation of site: increasing</p> <p>Geographical distribution of human habitats or the zones of illegal activities:</p> <p>Villages : located within the NCA</p> <p>Population : total for all villages 52,000 people This is from 2000 human census in NCA</p> <p>Activities: Pastoralists and gatherers</p> <p>Cultural specificities of the population socio-economic considerations:</p> <p>Main system of production : Pastoralis and gathering</p> <p>Use of natural resources at the World Heritage site: -Fire wood collection -Building materials -Medicinal plant collection -Honey collection</p> <p>Implication on sustainable development: Is high</p> <p>Co-delopment contract: Participatory in conservation</p> <p>Involvement of the local personnel in the site management:</p> <p>Local personnel are involved fully in the site management. Also they are involved in planning for local community development and nature conservation.</p> <p>No refugees in the site</p> <p>Other factors affecting the property:</p>
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- Vandalism, theft, looting: are properly controlled.
- Defforestation - Properly Controlled
- Poaching - Considerably reduced.

II.5.2 Preparation of threats and natural and human pressures

a	Methods for, counteracting threats and pressures	<p>Natural disasters: Earthquakes: None</p> <p>Land slides: None</p> <p>Avalanches: None</p> <p>Floods: None</p> <p>Droughts: None</p> <p>Fires: Well planned</p> <p>Volcanoes: none</p> <p>Industrial pollution: None</p> <p>Vandalism, theft, looting: Well planned</p> <p>Industrial infrastructures: Dams: none</p> <p>Mines: none</p> <p>Electrical network: well intalled</p> <p>Communication network(roads) : well planned and maintained</p> <p>Changes in land use: Pastoralism: properly controlled</p> <p>Poaching: considerably reduced</p> <p>Urbanism: not applicable</p> <p>Tourism: properly planned</p>
b	Evolution of the impact of these factors	Decreased
c	Action taken to address these factors	If these factors (ie theft, fires) happen, immediate action is taken to arrest them

II.6 Monitoring

a	Is there regular monitoring of the site	<p>Yes</p> <p>Periodic monitoring of flora resources: frequency: PCQ Methodology: Ten point frame, indicator species inventory: Both PCQ & ten point frame, vegetation cover Results: Flora resources in good condition</p> <p>Periodic monitoring of the fauna resources: frequency: counting the individuals methodology: transect, total count inventory: Both total & transect count estimates: by sampling Results: faunas in good condition</p> <p>Landscape monitoring: not applicable</p> <p>Monitoring of the construction and buildings: -Constructions and buildings are well planned and controlled.</p> <p>Human resources allocated for this monitoring: From planning and research unit in NCA</p>
b	Key indicators for measuring the state of conservation	<p>1. poaching reduced 2. local communities participating in conservation activities</p>
c	Monitoring partners	<p>none</p> <p>Administrative provisions for organising for monitoring of the property. -monitoring activities is done monthly</p> <p>Evolution of the monitoring methodology: improving</p>
d	<p>dates of previous monitoring exercise:</p> <p>Results</p>	<p>February 2001</p> <p>Property in good condition</p>

II. 7. Conclusion and recommended actions

a	<p>The conclusions concerning the statement of significance of the site as a World Heritage property.</p> <p>Main conclusions concerning the Statement of authenticity/integrity of the property as a World Heritage property</p>	<p>The world heritage values indicated by the World Heritage committee at the time of inscription are well maintained</p> <p>The values on the basis of which the property was inscribed on the World heritage list and reflected in the statement of significance are maintained properly</p>
a	<p>Main conclusions regarding the management and factors affecting the property</p> <p>Main conclusions concerning the factors affecting the property</p>	<p>The property is well managed</p> <p>Factors affecting the property i.e. development pressures, fires, Waste and refuse and others are well managed</p>
c	Proposed future action/actions	<p>Proposed future action(s)</p> <p>See a copy of general management plan attached.</p>
d	Responsible implementing agency	<p>Agency: Ngorongoro Conservation Area (NCA)</p> <p>Person responsible: Conservator of Ngorongoro Mr. E.B. Chauji</p> <p>Address: P.O.Box 1 Tel. 255 027 2537046 Fax:255 027 2537007 E-mail ncaa_faru@cybernet.co.tz</p>
e	Timeframe for implementation	1996 to 2001
f	Needs for international assistance	<p>Yes.</p> <p>Type of assistance: Funds for implementing some of the activities proposed in the GMP. -Capacity building</p>

h	Address where the inventory, records and achieves are kept	<p>AGENCY: Ngorongoro Conservation Area (NCA)</p> <p>Person responsible: The Conservator of Ngorongoro Mr.E.B Chausi</p> <p>Address: P.O.Box 1 Ngorongoro Crater.</p>
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II.8. Document enclosed:

- Maps and plans of the site layout
- A copy of general management plan.
(Site map zoning)