



**PERIODIC REPORTING EXERCISE  
ON THE APPLICATION OF THE WORLD  
HERITAGE CONVENTION**

**SECTION II**

**State of Conservation of specific World Heritage properties**

**State Party: Department of Conservation  
Property Name: Tongariro National Park World Heritage Area**

## PERIODIC REPORTING FOR WELL PLANNED HERITAGE PRESERVATION

### Background

The twenty-ninth General Conference of UNESCO, held in 1997, decided to activate Article 29 of the World Heritage Convention concerning the submission of periodic reports on the state of implementation of the World Heritage Convention (Section I) and the State of Conservation of World Heritage properties (Section II). The national authorities are invited to report on Section I, while Section II shall be prepared for each property inscribed on the World Heritage list by the person(s) directly in charge of the property's management.

The periodic reports prepared by the States Parties will serve a three-fold purpose:

- ❖ to assess the current state of all World Heritage related issues in a State Party,
- ❖ to help focus the Committee's as well as the State Party's future activities and funds,
- ❖ to strengthen sub-regional and regional co-operation between States Parties.

### The Periodic Reporting Questionnaire

In 1998, at its twenty-second session, the World Heritage Committee approved *Explanatory Notes*, designed to be read in conjunction with the *Periodic Reporting Format*, in order to outline the information expected to flow from the periodic reporting exercise. To facilitate the preparation of the report, a *Questionnaire* was developed that the States Parties are encouraged to use. It closely follows the subjects referred to in the *Explanatory Notes*, but in contrast to the latter splits the subjects up into short questions to be answered in a few sentences or paragraphs. A second type of question requires the indication of YES or NO by circling or underlining the appropriate answer. All questions are clearly identified with a little number in the right hand column of the *Questionnaire*. To make the reporting results meaningful every one of these questions has to be answered. If no answer is possible, the reasons should be given. If the available space is not sufficient for the answer, the response should be continued on a separate sheet of paper, clearly indicating the number of the question the text refers to (e.g. 006).

### Benefits for the States Parties

The *Questionnaire* was developed in such a way as to allow to extract and compile or compare relevant information from different States Parties or properties, facilitating the process of preparing the regional synthesis report to be presented to the World Heritage Committee. The YES / NO questions make it possible to evaluate the reports quantitatively, but only the details that should be supplied in the related 'open question' make the answers meaningful and can be the basis for concerted actions to preserve a State Party's most valuable heritage for its transmission to future generations.

The information collected in this way will help the States Parties to assess their own strengths and weaknesses concerning the implementation of the World Heritage Convention, putting them in a position to (re)define policies and to request assistance in order to finance projects and / or training. On the other hand it allows the World Heritage Committee to collect information needed to devise *Regional Action Plans*, give well-informed advice to States Parties and to focus funds as well as attention on the region(s), States Parties and / or properties that need the collective support of the international community.

The preparation process of the regional periodic report will furthermore enhance regional co-operation through information meetings as well as through the better availability of regularly up-dated information on activities as well as contact addresses etc. The identification of the State Party's strengths makes it possible to exchange experiences and look for solutions to problems (e.g. of site conservation) within the region.

### **Conclusion**

Periodic Reporting is a participatory exercise, aiming to collect information on World Heritage related issues on a national as well as on the property level. The individual State Party reports will be collated into a regional synthesis report to be presented to the World Heritage Committee. This information will enhance cooperation between the Committee and the States Parties and allow to focus funds and activities more efficiently, allowing the States Parties to protect their most valuable heritage more effectively for transmission to future generations.

## **PERIODIC REPORTING ON THE APPLICATION OF THE WORLD HERITAGE CONVENTION**

**(FORMAT)**

### **SECTION II: STATE OF CONSERVATION OF SPECIFIC WORLD HERITAGE PROPERTIES**

#### **EXECUTIVE SUMMARY**

##### **II.1 Introduction**

- a. State Party
- b. Name of World Heritage property
- c. Geographical coordinates to the nearest second
- d. Date of inscription on the World Heritage List
- e. Organization(s) or entity(ies) responsible for the preparation of the report
- f. Date of report
- g. Signature on behalf of State Party

##### **II.2. Statement of significance**

##### **II.3. Statement of authenticity/integrity**

##### **II.4. Management**

##### **II.5. Factors affecting the property**

##### **II.6. Monitoring**

##### **II.7. Conclusions and recommended action**

- a. Main conclusions regarding the state of the World Heritage values of the property (see items II.2. and II.3. above)
- b. Main conclusions regarding the management and factors affecting the property (see Items II.4 and II.5. above)
- c. Proposed future action/actions
- d. Responsible implementing agency/agencies
- e. Timeframe for implementation
- f. Needs for international assistance.

##### **II.8. Assessment of the Periodic Reporting exercise for Section II**

##### **II.9. Documentation attached**

### II.1. Introduction

a.	Country (and State Party if different): New Zealand	001
b.	Name of World Heritage property: Tongariro National Park	002
c.	<p>In order to locate the property precisely, please attach a topographic map showing scale, orientation, projection, datum, site name, date and graticule. The map should be an original print and not be trimmed. The site boundaries should be shown on the map. In addition they can be submitted in a detailed description, indicating topographic and other legally defined national, regional, or international boundaries followed by the site boundaries.</p> <p>The State Parties are encouraged to submit the geographic information in digital form so that it can be integrated into a Geographic Information System (GIS).</p> <p>On this questionnaire indicate the geographical co-ordinates to the nearest second (in the case of large sites, towns, areas etc., give at least 3 sets of geographical co-ordinates):</p> <p>Centre point: North-west corner:                   <b>'To be added'</b> South-east corner:</p>	003
d.	<p>Give the date of inscription on the World Heritage List and subsequent extension (if applicable):</p> <ul style="list-style-type: none"> <li>• <b>1990 – Natural</b></li> <li>• <b>1993 – Cultural</b></li> </ul>	004
e.	<p>Organisation(s) or entity(ies) responsible for the preparation of this report. Organisation(s) / entity(ies): Department of Conservation (Te Papa Atawhai)</p> <p>Person(s) responsible: <b>Paul Green</b> Address: <b>Department of Conservation, Private Bag, Turanga Place, Turangi, New Zealand</b> Telephone: <b>0064 7 386 8607</b> Fax: <b>0064 7 386 7086</b> E-mail: <a href="mailto:pgreen@doc.govt.nz">pgreen@doc.govt.nz</a></p>	005
f.	Date of preparation of the report: <b>29 February 2002</b>	006
g.	<p>Signature on behalf of the State Party</p> <p>Signature: .....</p> <p>Name: <b>Paul Green</b> Function: <b>Conservator, Tongariro/Taupo Conservancy</b></p>	007

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

## II.2. Statement of significance

<p>At the time of inscribing a property on the World Heritage List, the World Heritage Committee indicates its outstanding universal value(s), or World Heritage value(s), by deciding on the criteria for which the property deserved to be included on the World Heritage List. Circle the criteria retained for the inscription:</p> <p><b>Cultural criteria: C (vi)</b> <b>Natural Criteria: N (ii) (iii)</b></p> <p>Were new criteria added by re-nominating and/or extending the property after the original inscription? <b>YES</b></p> <p>If YES, please explain: <b>Cultural status was granted after a review of World Heritage criteria to incorporate ‘associative cultural landscape’ criteria. Tongariro was the first site to be inscribed under this criteria.</b></p>	<p>008</p> <p>009</p> <p>010</p>
<p>Please quote observations concerning the property made by the Advisory Body (ies) during the evaluation of the nomination:</p> <p><b>Refer 012. We hold no evaluation other than comment conveyed by UNESCO following review by the World Heritage Committee at the time of the initial application.</b></p> <p>Quote the decisions and observations / recommendations, if appropriate, made by the World Heritage Committee at the time of inscription and extension (if applicable):</p> <p><b>The nomination was deferred until “the revised management plan is available for review, particularly with regard to the following items:</b></p> <p><b>a. the extent of ski development on Mt Ruapehu, the current plans for expansion and the impact of these developments on cultural values and ‘image’ of the Park. This is compounded by new prospects for slope grooming and snowmaking, which would have substantial impacts on scenic values and hydrology. It has been suggested that the skifields of Tongariro would be very susceptible to effects of global warming which would require on upward movement of skiing activity;</b></p> <p><b>b. the extent to which the cultural values of the Park are given prominence in the new management plan and the level of involvement by the local Maori people”</b></p> <p>Identify the actions taken as follow-up to these observations and/or decisions:</p> <p><b>The Management Plan review was completed in 1990 and supplied to the World Heritage Centre on the 30 May 1990 together with a letter emphasising the management philosophy and cultural values. Particular reference was made to skifield development being restricted to identified amenity area boundaries and the limits to development outside the amenity areas.</b></p>	<p>011</p> <p>012</p> <p>013</p>

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).



**II.2. continued**

	<p>If NO, please explain why not, and indicate what changes should be made to the boundaries of the property and / or its buffer zone (please indicate these changes also on a map to be attached to this report):</p> <p><b>An addition to Tongariro National Park of Rangataua Conservation Area (6100Ha) is awaiting resolution of a Treaty of Waitangi claim. The addition will add an area of key ecological value but is not essential as a buffer. At present Rangataua Conservation Area is being managed in partnership with a local iwi (tribe) Ngati Rangi. The management is aimed at both ecological and cultural restoration.</b></p>	018
	<p>Is the State Party actively considering a revision of the property boundaries or the buffer zone? <b>YES</b></p> <p>If YES, indicate what is being done to that end:</p> <p><b>Refer to 018 for comment on proposed Rangataua extension.</b></p>	019  020

**II.3. Statement of authenticity / integrity**

	<p>Have the World Heritage values identified above been maintained since the property's inscription? <b>YES</b></p> <p>If NO, please describe the changes and name the causes:</p> <p><b>The Management Plan has ensured there has been no extension to Amenity Areas including the Commercial skifields.</b></p> <p><b>There have been no addition of buildings (huts) or tracks in Tongariro National Park.</b></p> <p><b>There has been sustained management to reduce the impact of introduced weeds – <i>Pinus contorta</i> (<i>Pinus contorta</i>) and broom (<i>Cytisus scoparius</i>) in particular and biological control of heather (<i>Calluna vulgaris</i>) has had successful introduction.</b></p> <p><b>Significant animal pests have been controlled in areas of high biodiversity</b></p> <p><b>There has been increased efforts in Iwi Maori consultation and their involvement in Park Management to ensure the integrity of cultural values are maintained.</b></p>	021  022
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If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

*II.3. continued*

	<p>What was the evaluation of the authenticity / integrity of the property at the time of inscription? (Please quote from the ICOMOS / IUCN evaluation):</p> <p><b>When Tongariro National Park was inscribed on the World Heritage list for its natural values in 1990 ‘The committee congratulated the New Zealand authorities for having improved the management and protection for this site particularly by limiting tourism developments and taking greater account of the cultural values of Tongariro.’</b></p> <p><b>“ICOMOS did not wish to evaluate the global significance of this site as a unique heritage of Asia-Pacific cultures since studies necessary for making regional comparison among various sites, which illustrate cultural heritage values of the Asia-Pacific, has not yet been undertaken.”</b></p> <p><b>In 1993 “associative cultural landscape” category was added by UNESCO. It was stated ‘ the inclusion of such landscapes on the World Heritage list is justifiable by virtue of the powerful religious, artistic or cultural aspirations of the natural element, rather than material cultural evidence, which may be insignificant or even absent.</b></p> <p><b>Tongariro was resubmitted as an outstanding cultural landscape. An evaluation was carried out by ICOMOS who made a favourable recommendation. The nomination was endorsed by the World Heritage Committee in December 1993.</b></p>	023
	<p>Have there been changes in the authenticity / integrity since inscription? <b>YES</b></p> <p>If YES, please describe the changes to the authenticity / integrity and name the main causes?</p> <p><b>There has been increased Maori participation in the management of Tongariro National Park.</b></p> <p><b>The draft conservation Management Strategy for Tongariro Taupo Conservancy identified how the principles of the Treaty Of Waitangi will be implemented in management of the National Park and other conservation areas.</b></p> <p><b>There are now four Maori members of the Tongariro/Taupo Conservation Board.</b></p>	024 025
	<p>Are there (further) changes foreseeable to the authenticity / integrity of the property in the near future? <b>YES</b></p>	026

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).



*II.4. continued*

	<p>Please explain:</p> <p><b>The legislation provides prioritisation for protection of the site. Management planning must ensure that use does not compromise these values.</b></p> <p><b>The Resource Management Act 1991 requires a full analysis of effects to be assessed before a resource consent is granted for any use or development. These resource consents are an addition to approval by the Department of Conservation.</b></p>	031
	<p>Provide a list and summaries of laws and regulations concerning cultural and natural properties protection and management (including extracts of relevant articles from the Constitution, Criminal Law, Law/Regulations on Land-use, Environment Law and Forestry Law, amongst others). Please also attach any documentation available concerning these points:</p> <p><b>Conservation Act 1987</b></p> <p><b>National Parks Act 1980</b></p> <p><b>Tongariro Management Plan 1990</b></p> <p><b>Resource Management Act 1991</b></p> <p><b>Wildlife Act 1953</b></p>	032
	<p>Describe the administrative and management arrangements that are in place for the property concerned, making special mention of the institutions and organisations that have management authority over the property as well as of the arrangements that are in place for the coordination of their actions:</p> <p><b>The Department of Conservation (Te Papa Atawhai) is responsible for the administration of Tongariro National Park World Heritage Area. The Department is under the control of the Minister of Conservation. The functions of the Department are outlined in Section 6 of the Conservation Act 1987. The Tongariro Taupo Conservator is responsible to the Regional General Manager Northern for day to day management.</b></p> <p><b>The New Zealand Conservation Authority is established to advise the Minister of Conservation or the Director General of Conservation on issues of national importance. Their functions are outlines in Section 6 of the Conservation Act 1987. A key function is to approve Conservation Management Strategies.</b></p> <p><b>The Tongariro/Taupo Conservation Board is established to advise the New Zealand Conservation Authority or Director General of Conservation on issues relating to the Conservancy. Their functions are outlines in Section 6 of the Conservation Act 1987. Key functions are to recommend the approval by the New Zealand Conservation Authority of conservation management strategies, to approve the National Park Management Plan and to advise the New Zealand Conservation Authority and the Director General on the implementation of conservation management strategies and management plans.</b></p>	033

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

*II.4. continued*

	<p>Please indicate under which level of authority the property is managed:</p> <p style="padding-left: 40px;">Property ( )</p> <p style="padding-left: 40px;">Regional ( )</p> <p style="padding-left: 40px;"><b>National ( ✓ )</b></p> <p style="padding-left: 40px;">Other (please describe):</p> <p>Please provide the full name, address and phone/fax/e-mail of the entity(ies) directly responsible for the management (conservation, preservation, visitor management) of the property:</p> <p><b>Department of Conservation (Te Papa Atawhai), P O Box 10420, Wellington, New Zealand</b></p> <p><b>Telephone: 0064 4471 0726</b></p> <p><b>Fax: 0064 4 471 1082</b></p> <p><b>Tongariro/Taupo Conservation Board, Private Bag, Turanga Place, Turangi, New Zealand</b></p> <p><b>Telephone: 0064 7 386 8607</b></p> <p><b>Fax: 0064 7 386 7086</b></p> <p><b>New Zealand Conservation Authority</b> <b>Department of Conservation</b> <b>P O Box 10420, Wellington, New Zealand</b></p> <p><b>Telephone: 0064 4 471 3211</b></p> <p><b>Fax: 0064 4 471 1082</b></p>	<p>034</p> <p>035</p>
	<p>Is it necessary to revise the administrative and management arrangements for the property? <b>NO</b></p> <p>If YES, explain why this is the case:</p>	<p>036</p> <p>037</p>
	<p>Is there a management plan for the property? <b>YES</b></p> <p>If YES, please summarise, indicating if the plan is being implemented and since when:</p> <p><b>The Tongariro National Park Management Plan was approved in 1990. All management actions including the provision of facilities and services must be in accordance with the policies outlined in this plan.</b></p>	<p>038</p> <p>039</p>

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

*II.4. continued*

	<p><b>The Tongariro National Park Management Plan is currently being reviewed and the new plan is expected to be approved in 2003.</b></p> <p><b>A Conservation Management Strategy (CMS) has been prepared for the Tongariro/Taupo Conservancy, which includes Tongariro National Park. National Park Management Plans must be consistent with the relevant CMS. There is nothing in the Tongariro National Park Management Plan that is inconsistent with the draft Tongariro/Taupo Conservancy CMS.</b></p>	039
	<p>Please report on legal and administrative actions that are foreseen for the future, to preserve the values described under item II.2 (e.g. passing of legislation, adjusting administrative and management arrangements, implementing or drawing up of a (new) management plan, etc.):</p> <ul style="list-style-type: none"> <li>• <b>A new Management Plan is expected to be approved in 2003</b></li> <li>• <b>The Conservancy's Conservation Management Strategy is expected to be approved in 2002</b></li> <li>• <b>General Policy for Conservation Areas is expected to be approved in 2003</b></li> <li>• <b>General Policy for National Parks is being reviewed and expected to be approved in 2003.</b></li> </ul>	040
	<p>Please provide detailed information, particularly in cases where changes have occurred since the inscription of the property, on the following matters:</p> <ul style="list-style-type: none"> <li>• <u>Conservation</u> Make reference to all major interventions at the property and describe its present state of conservation: <b>Major ongoing interventions are</b> <ul style="list-style-type: none"> <li>- <b>Control of introduced plant pests</b></li> <li>- <b>Control of introduced animal pests</b></li> </ul> <p><b>Weeds such as <i>Pinus contorta</i> and Broom (<i>Cytisus scoparius</i>) have had active management for 35 years. The spread of <i>Pinus contorta</i> had the potential to modify the subalpine and alpine ecosystems but it has now been reduced to a stage where control can be reduced to a four year cycle.. Encouragement has been given to neighbours to also control this weed, which is not listed as a priority weed for control and eradication through the District.</b></p> <p><b>Broom control is ongoing but the spread has been halted with intensive annual control programmes and most broom is now found in the north of the Park adjacent to State Highways.</b></p> <p><b>Heather (<i>Calluna vulgaris</i>) has spread throughout the Park but biological controls commenced in 1995 appears to be gaining momentum at release sites.</b></p> </li> </ul>	041

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

*II.4. continued*

	<p><b>Small to medium populations of red deer (<i>Cervus elaphaus scoticus</i>) and a few sika deer (<i>Cervus nippen</i>) are local in the Park and are being controlled by recreational hunters and in the last two years by commercial helicopter hunting.</b></p> <p><b>Possums (<i>Trichosurua Vulpecula</i>) are found throughout the forest covered sections of the Park. Commercial hunting is encouraged but possum density has been controlled in significant ecological communities by aerial application of poison bait. Ground bait application to remove possums is carried out in specific areas to protect rare and endangered plants such as scarlet mistletoe (<i>peraxilla colensoi</i>) and red mistletoe (<i>peraxilla tetrapetala</i>).</b></p> <p><b>Rats (<i>Rattus rattus</i>) and in particular stoats (<i>Mistela erminea</i>) pose the most threat to the Parks wildlife. At present there is no successful methods to remove these pests from the Park but research on these issues is a priority national research project.</b></p> <ul style="list-style-type: none"> <li>• <b>Mount Ruapehu Crater Lake</b></li> </ul> <p><b>In 2000/2001 the Minister of Conservation considered a physical intervention at the Crater Lake to remove an ash accumulation resulting from volcanic eruptions in 1995 and 1996. The Crater Lake is a most significant natural and cultural site epitomising the inscription of World Heritage for Tongariro National Park. It is believed that a lahar is inevitable once the Crater Lake refills and the Minister was required to consider intervention at the Crater Lake along with other mitigation options.</b></p> <p><b>The Minister requested the construction of an early warning system to protect roading and railway networks together with the construction of a embankment to prevent an overspill of the lahar into the Waikato River catchment. The construction of this embankment is just inside the Park Boundary. The was carried out in early 2002 with the support of iwi in recognition of the threat to human life and the minimal conservation and cultural value involved at this particular site. A decision was confirmed not to intervene at the Crater Lake site late in 2001.</b></p>	041
	<ul style="list-style-type: none"> <li>• <u>Ownership</u> Make reference to all major changes in ownership of the property and describe the present state of ownership: N/A</li> </ul>	042
	<p>Please, give a detailed description of the staffing of the site:</p> <p><b>Tongariro/Taupo Conservancy are responsible for all day to day management in Tongariro National Park. There are 75 permanent employees in the Conservancy but staff are not dedicated to only working in the National Park. They are responsible for integrated conservation management throughout the Tongariro/Taupo Conservancy. It is estimated that 35 full term equivalents would work in Tongariro National Park. These figures do not include staff working at Regional or Head Office.</b></p>	043

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

*II.4. continued*

	<p><b>Up to 60 seasonal workers are employed each year and it is estimated 30 person years effort would be targeted at Tongariro National Park.</b></p> <p><b>The Department of Conservation contracts out many task e.g. construction and maintenance of visitor facilities such as bridges, road and building maintenance</b></p> <p>Is the staffing level sufficient for adequate management of the property?                   <b>YES</b></p> <p>If NO, what should be done to improve the situation?   <b>N/A</b></p>	<p>43</p> <p>044</p> <p>045</p>
	<p>Does the staff need additional training?   <b>NO</b></p> <p>If YES, what are the training needs for your staff?</p> <p><b><u>NB:</u> Annual training plans are prepared for staff. The training meets needs identified in job descriptions and annual work plans. The Department of Conservation also works with an external training organisation to provide general instruction for trainee rangers and it takes part in regional workshops for World Heritage Managers</b></p> <p><b>Tongariro hosted a regional workshop in October 2000.</b></p>	<p>046</p> <p>047</p>
	<p>Describe the funding and financial situation of the property, indication sources, level and regularity of financing:</p> <p><b>Funding is allocated annually by the Minister of Conservation for specified conservation outcomes throughout New Zealand.</b></p> <p><b>The Department of Conservation distributes funding to Conservancies in order to meet the Departments Statement of Intent. These decisions are reflected in a Performance Agreement between the Minister of Conservation and the Chief Executive.</b></p> <p><b>Funding is not expressly allocated to Tongariro National Park.</b></p> <p><b>The Conservancy has a budget of \$7 million in 2001/02 of which an estimated \$3.5million is allocated by the Crown and \$3.5 million is derived from revenue. It is estimated that annual expenditure in Tongariro National Park is \$3.5 million of which the Crown contributes \$1.3 million and revenue provides \$2.2 million.</b></p> <p>Is the available funding sufficient for adequate management of the property?                   <b>YES</b></p>	<p>048</p> <p>049</p>

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

Periodic Reporting Exercise on the Application of the World Heritage Convention  
Section II: State of conservation of specific World Heritage properties

*II.4. continued*

	If NOT, describe the financial resources that would be required for the management of the property:	050
	Indicate International Assistance from which the property has benefited:	051
	<ul style="list-style-type: none"> <li>• <b>World Heritage Fund: Nil</b></li> </ul>	052
	<ul style="list-style-type: none"> <li>• <b>UNESCO International Campaign: Nil</b></li> </ul>	053
	<ul style="list-style-type: none"> <li>• <b>National and/or regional projects of UNDP, the World Bank or other agencies: Nil</b></li> </ul>	054
	<ul style="list-style-type: none"> <li>• <b>Bilateral co-operation: Nil</b></li> </ul>	055
	Describe the IT (computer) equipment of the site and/or management office and assess its effectiveness:	056
	<ul style="list-style-type: none"> <li>• <b>Nation-wide Network for Department of Conservation</b></li> </ul>	
	<ul style="list-style-type: none"> <li>• <b>Fujitsu Network</b></li> </ul>	
	<ul style="list-style-type: none"> <li>• <b>99.9% reliable</b></li> </ul>	
	Are you using (multiple indications are possible):	057
	<p style="text-align: center;"><b>PC ( ✓ )</b></p>	
	<p style="text-align: center;">Apple ( )</p>	
	<p style="text-align: center;">Mainframe ( )</p>	
	Please, give the number of available computers: <b>36</b>	058
	Does an operational access to the Internet exist? <b>YES</b>	059
	Is e-mail used for daily correspondence? <b>YES</b>	060
	Is there a Geographical Information System (GIS) for the site? <b>YES - Currently being developed.</b>	061
	If YES, what software do you have and how is the GIS used? <b>ArcInfo Advanced capability GIS software (this is currently being developed)</b>	062

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).



*II.4. continued*

	<p>What visitor facilities do you have at the property?</p> <ul style="list-style-type: none"> <li>• <b>2 Commercial skifields</b></li> <li>• <b>1 Ski Club Skifield – Tukino</b></li> <li>• <b>50 Club Ski Lodges – Whakapapa, Iwikau, Tukino and Turoa</b></li> <li>• <b>2 Hotels – Whakapapa Village</b></li> <li>• <b>1 Commercial Motor Camp</b></li> <li>• <b>2 Visitor Centres – Whakapapa, Ohakune</b></li> <li>• <b>29.25km Roads</b></li> <li>• <b>172km Tracks</b></li> <li>• <b>3 Public Roadend Shelters</b></li> <li>• <b>1 Educational Lodge – Whakapapa</b></li> <li>• <b>2 Self Registration Camping Areas – Ohakune, Mangaturuturu</b></li> <li>• <b>8 Picnic Areas</b></li> <li>• <b>10 Public Use Huts</b></li> <li>• <b>3 Historic Huts</b></li> <li>• <b>2 Emergency High Level Shelters.</b></li> </ul>	068
	<p>What visitor facilities are you in need of? <b>N/A</b></p> <p><b><u>NB:</u> Improved drainage, surfacing and restoration of existing tracks are a main priority.</b></p>	069
	<p>Is a public use plan (tourism / visitor management plan) in existence for the property?</p> <p><b>YES</b></p>	070
	<p>If YES, please summarise, if NO explain if one is needed:</p> <p><b>Conservation Management Strategy</b> <b>Tongariro National Park Management Plan</b> <b>National Visitor Strategy</b></p> <p><b><u>NB:</u> A Conservancy Recreation Visitor Strategy is being developed. This will provide greater prescriptive detail on the provision of facility and service and the management of visitors.</b></p>	071

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

*II.4. continued*

	<p>Indicate how the property's World Heritage values are communicated to residents, visitors and the public (please attach examples of leaflets, videos, posters etc. and print-outs and/or the address of a web-page):</p> <ul style="list-style-type: none"> <li>• <b>Website</b></li> <li>• <b>Audio Visuals and displays at Visitor Centres</b></li> <li>• <b>On site interpretation</b></li> <li>• <b>Park Handbook</b></li> <li>• <b>Publications, Leaflets and fact sheets</b></li> <li>• <b>Visitor Programmes</b></li> <li>• <b>Media Releases</b></li> <li>• <b>Concessionaire publicity and guided walks</b></li> </ul>	072
	<p>Are there educational programmes concerning the property aimed at schools? <b>YES</b></p>	073
	<p>If yes, please describe:</p> <ul style="list-style-type: none"> <li>• <b>Education kits have been designed for use by teachers of school groups visiting Tongariro National Park or for classroom learning.</b></li> <li>• <b>Displays and audio visuals at Whakapapa Visitor Centre are aimed for use by schools groups</b></li> <li>• <b>Visiting schools to Whakapapa Visitor Centre can request an introduction by Visitor Centre staff</b></li> <li>• <b>The Conservancy website is recently established and will be continually reviewed to ensure it provides useful information for school group use.</b></li> <li>• <b>The Ministry of Education funded a 'LEARNZ' computer based, interactive education programme that focused on Tongariro World Heritage Area.</b></li> <li>• <b>Books, pamphlets and fact sheets provide information that can be used by schools visiting Tongariro National Park or for classroom learning.</b></li> </ul>	074
	<p>What role does World Heritage inscription play for the site concerning the visitor number, the research programmes and/or the awareness building activities?</p> <p><b>The World Heritage inscription is widely used for interpretation at Visitor Centres e.g. displays and audiovisuals, on site interpretation, all publications e.g. books, pamphlets and fact sheets. World Heritage inscription is widely promoted in media releases and other education programmes.</b></p> <p><b>The significance of Tongariro National Park as a dual World Heritage site is stressed in applications for funding, research and management decision making.</b></p>	075

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

## II.5. Factors affecting the property

<p>Please comment on the degree to which the property is threatened by particular problems and risks, such as development pressure, environmental pressure, natural disasters and preparedness, visitor / tourism pressure, number of inhabitants. Also mention all other issues that you see as problematic.</p> <p><b><u>Development Pressures</u></b></p> <p><b>Skifield Development and Whakapapa Village developments continue to put pressure on Park management. A Conservation Management Strategy and Tongariro National Park Management Plan with strong philosophy's, principles and clear policies help ensure the natural, social and cultural values of the Park are protected.</b></p> <p><b><u>Environmental Pressure</u></b></p> <p><b>Dealing with the impact of introduced problem animal and plant pests is a management priority. Funding is available to make good progress where techniques exist. Research into rat and stoat control/eradication is a national priority.</b></p> <p><b><u>Natural Disasters</u></b></p> <p><b>The possibility of large lahars and other volcanic threats can place demands on Tongariro National Park for intervention actions at high value sites like the Crater Lake. These pressures have been resisted and the Conservation Management Strategy, Tongariro National Park Management Plan and World Heritage status provide strong support for actions other than on site intervention.</b></p> <p><b><u>Visitor Tourism Pressure</u></b></p> <p><b>Visitation to Mount Tongariro is a key environmental, social and cultural issue. There is some tension between appropriate visitation to this spectacular volcanic area and protecting cultural values. Key issues being address through a management plan review are:</b></p> <ul style="list-style-type: none"> <li>• treatment of sewage</li> <li>• need to impose visitation, number restrictions</li> <li>• whether to permit guiding.</li> </ul> <p><b>The Crater Lake area of Mount Ruapehu is also an area where guiding is an issue from a cultural perspective.</b></p> <p><b>The installation of a reticulated ground disposal sewage scheme for Iwikau and Whakapapa Amenity Areas in 2002/03 will be a significant improvement.</b></p> <p><b>The use of dry vault toilets is being promoted in the backcountry.</b></p> <p><b>As resources are available hard surfacing of track and restoration of disturbed areas will continue as a management priority.</b></p>	<p>076</p>
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If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

*II.5. continued*

	<p><b>Demands for commercial filming are increasing rapidly. These requests may have an impact on natural, social and cultural values. The Tongariro National Park Management plan review will address these issues and impose appropriate limitations.</b></p> <p><b>Aircraft are not currently permitted to land in Tongariro National Park for reasons other than ‘essential Park management’. This is likely to continue but impacts from tourist over flying is continuing to increase. These impacts cannot be controlled by Conservation legislation but advocacy efforts will continue to strive to encourage lower impact tourist flying.</b></p>	076
	<p>Is there an emergency plan and / or risk preparedness plan for the property in existence? <b>YES</b></p> <p>If YES, please summarise the plan and provide a copy:</p> <p><b>The following plans are relevant to the management of Tongariro National Park:</b></p> <ul style="list-style-type: none"> <li>• <b>Fire action plan (reviewed each year)</b></li> <li>• <b>Search &amp; rescue Plans (reviewed each year)</b></li> <li>• <b>Mount Ruapehu Eruption Response and Management Plan</b></li> <li>• <b>An Eruption Detection System operates for Iwikau and Whakapapa Village and has a response plan.</b></li> <li>• <b>An Eastern Ruapehu Lahar Alarm Warning System is being installed and a response plan prepared in conjunction with local authorities.</b></li> <li>• <b>Emergency Action Plans exist for water and sewage system failures in Whakapapa Village</b></li> </ul>	077  078
	<p>If NO, describe what is being done – and by whom – to counteract the dangers that threaten or may threaten the property:</p>	079
	<p>Indicate areas where improvement would be desirable and/or towards which the State Party is working: <b>N/A</b></p>	080
	<p>Give an indication if the impact of the factors affecting the property is increasing or decreasing:</p> <p><b>Environmental factors i.e. weed and animal pests have had increased resources and their impact is decreasing. It is hoped that national research will assist control of rats and stoats.</b></p> <p><b>Tourism pressures are increasing - particularly in respect of walkers visiting Mount Tongariro. They are having increased environmental, social and cultural impacts. Skifield visitor pressures have slowed and are restricted to amenity zones.</b></p> <p><b>Filming applications are continuing to increase markedly and these requests can have significant environmental, social or cultural impacts.</b></p>	081

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

**II.5. continued**

	<p>What actions have been effectively taken, or are planned for the future, to address the factors affecting the property?</p> <p><b>Additional biodiversity funding opportunities will continue to be explored.</b></p> <p><b>The Tongariro National Park Management Plan Review will address issues relating to the impacts of increase visitor use on Mount Tongariro. Limiting visitor impacts is a key theme for the review.</b></p> <p><b>Limiting the impacts of filming will also be a key theme for the Management Plan review.</b></p>	082
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**II.6. Monitoring**

	<p>If applicable, give details (e.g. dates, results, indicators chosen) of any previous periodic or reactive monitoring exercises of the property:</p> <p><b>Periodic reports have been provided to UNESCO as requested since World Heritage inscription in 1990.</b></p> <ul style="list-style-type: none"> <li>• <b>Ecological Monitoring occurs on an ongoing basis at a number of sites in Tongariro National Park. These sites are selected to cover a range of ecosystems and remeasuring occurs at regular intervals. Monitoring to measure changes has occurred at sites following fires.</b></li> <li>• <b>Visitor Impact monitoring occurs at specific sites from time to time e.g. as part of an approval for a triathlon. Monitoring also occurs at specific sites on the skifields.</b></li> <li>• <b>Visitor Satisfaction Surveys have occurred at Visitor Centres.</b></li> <li>• <b>Result monitoring is carried out to assess the effectiveness of introduced animal control operations and the effectiveness of week control operations.</b></li> <li>• <b>Volcanic Hazard Monitoring is carried out on an ongoing basis.</b></li> <li>• <b>Social impact monitoring has been undertaken on the Tongariro Crossing.</b></li> </ul>	083
	<p>Is there a formal monitoring system established for the site? <b>YES</b></p>	084
	<p>If YES, please give details of its organisation:</p> <p><b>Refer 083</b></p> <ul style="list-style-type: none"> <li>• <b>With regard to ecological monitoring there are a number of exclosures at various sites where vegetation is monitored to assess the impacts of introduced animals.</b></li> <li>• <b>Baseline measuring is also done at various sites to assess ecological changes that are occurring.</b></li> </ul>	085

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

*II.6. continued*

	<ul style="list-style-type: none"> <li>• <b>An alpine swamp is monitored at Turoa Skifield to monitor the impacts of adjacent skifield activities on this ecosystem</b></li> <li>• <b>Visitor satisfaction surveys are part of a national Visitor Centre survey.</b></li> </ul> <p><b><u>NB:</u> A more detailed explanation will be prepared.</b></p>	085
	<p>If not already in place, is the establishment of a formal monitoring system planned?</p> <p><b>YES, Existing monitoring is described in 083 and 085. Improvements are required to its design.</b></p>	086
	<p>If YES, please outline the functioning of that system, taking into consideration the key indicators you will be asked to define below (see 089 / 090):</p> <p><b>The Department of Conservation has identified the need for information from which to measure trends in New Zealand’s biodiversity. ‘Condition’ monitoring is required to detect and measure changes in biodiversity or other ecosystems attributes, to better understand functional linkages in ecosystems and to evaluate the success or failure of conservation policies. Current monitoring methods are not consistent in design.</b></p> <p><b>The Department is in the early development phase of design, testing and costing a monitoring system that will meet the Departments reporting requirements enabling identification and quantification of human induced change in condition of indigenous biodiversity from natural variation.</b></p>	087
	<p>Are there any indicators established for monitoring the state of conservation of the property? <b>NO</b></p> <p>If YES, please provide up-to-date information with respect to each of the key indicators established and/or used. Care should be taken to ensure that this information is as accurate and reliable as possible, for example by carrying out observations in the same way, using similar equipment and methods at the same time of the year and day. Name and describe the key indicators for measuring the state of conservation of this property:</p> <p><b>Existing indicators tend to be site or management issue driven.</b></p> <p>If NO indicators have been identified and / or used so far, please define key indicators for future use in monitoring:</p> <p><b>The system proposed by the Department of Conservation has the following objectives.</b></p> <ul style="list-style-type: none"> <li>• <b>Detect changes in biodiversity that exceed the range of natural variation, across a range of spatial and temporal scales</b></li> <li>• <b>Provide an early warning of potential irreversible changes</b></li> <li>• <b>Provide reports on the status of biodiversity condition</b></li> <li>• <b>Meet NZ national and international commitments for monitoring biodiversity.</b></li> </ul>	088 089 090

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

**II.6. continued**

	<p><b>No single sampling design can efficiently provide all the information required to evaluate pest pressures and biodiversity condition. Sampling design that enable the Department to meet a range of reporting purposes (e.g. reporting on pressure and biodiversity condition for external reporting; State of the Environment; International Agreements; interpretations of environmental change) will be assessed. The monitoring programme aims to provide data on a number of key attributes including abiotic and biotic composition on the basis of national, regional and local considerations. Programme parameters could represent the state of indigenous biodiversity for which appropriate information could be derived, for example area of vegetation cover types (using Land Cover Database); maintenance of structural dominants (mortality and recruitment rates of dominant species); community composition; exotic weeds and pests; indices for introduced animal pest impacts, physical habitat, ecosystem function, energy or material transfer and other measure relevant to ecosystem integrity etc. It is proposed that peer review, integration analysis, interpretation and post programme evaluation using a standard set of core variables, common performance criteria, standard protocols, coupled with research and modelling is key to the scoops of the proposed programme.</b></p>	090
	<p>Indicate which partners, if any, are involved or will be involved in the regular monitoring exercise: <b>N/A</b></p> <p>Identify the administrative provisions for organizing the regular monitoring of the property:</p> <p><b>Conservation Act 1987</b> <b>National Parks Act 1980</b> <b>NZ Biodiversity Strategy</b> <b>Tongariro Taupo Conservation Management Strategy</b> <b>Tongariro National Park Management Plan</b> <b>A proposed Department Monitoring Strategy and Standard Operating Procedures</b></p>	091  092
	<p>Describe what improvement the State Party foresees or would consider desirable in improving the monitoring system:</p> <p><b>Refer 087 and 090</b></p>	093
	<p>In specific cases, the World Heritage Committee and/or its Bureau may have already examined the state of conservation of the property and made recommendations to the State Party, either at the time of inscription or afterwards. In such cases the State Party is requested to report on the actions that have been taken in response to the observations or decisions made by the Bureau or Committee. Give details, if applicable:</p> <p><b>In 2001 the World Heritage Committee requested the Department of Conservation to provide an update on proposals for intervention at the Crater Lake of Mount Ruapehu. The Department responded in late December informing the World Heritage Committee that the Minister of Conservation had resolved <u>not</u> to intervene at the Crater Lake.</b></p>	094

**II.7. Conclusions and recommended actions**

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

Periodic Reporting Exercise on the Application of the World Heritage Convention  
Section II: State of conservation of specific World Heritage properties

<p>Please summarise the main conclusions regarding the state of the World Heritage values of the property (see items II.2. and II.3. above):</p> <p><b>Management planning is continuing to consider issues raised at the time of inscription. These issues have been address by management actions on an ongoing basis. Developments have been restricted to Amenity Areas and the cultural values of the Tongariro National Park World Heritage Area have been promoted when ever possible. Iwi Maori are continuing to have an increased participation in the management of the National Park World Heritage Area.</b></p>	095
<p>Please summarise the main conclusions regarding the management and factors affecting the property (see items II.4. and II.5. above):</p> <p><b>Good progress is being made with intervention to ensure biodiversity protection of the site.</b></p> <p><b>The Conservation Management Strategy and Tongariro National Park Management Plan have techniques to deal with the impacts of increased development and use.</b></p>	096
<p>Give an overview over proposed future action / actions:</p> <ul style="list-style-type: none"> <li>• <b>Review Tongariro National Park Management Plan 2002/03</b></li> <li>• <b>Continue intervention to reduce the impact of problems introduced animal and weed pests.</b></li> <li>• <b>Continue to look at minimising the impacts of use</b></li> <li>• <b>Continue to develop opportunities for iwi participation in the management of the Park.</b></li> </ul>	097
<p>Name the agency responsible for implementation of these actions (if different from 005):</p> <p><b>As for 005</b></p>	098
<p>Give a timeframe for the implementation of the actions described above:</p> <ul style="list-style-type: none"> <li>• <b>Tongariro National Park Management plan Review December 2003</b></li> <li>• <b>Other actions are ongoing over the next 10 years.</b></li> </ul>	099
<p>Indicate for which of the planned activities International Assistance from the World Heritage Fund may be needed (if any):</p> <p><b>N/A</b></p>	100
<p>Are there any contacts with management units of other properties within or outside your country? <b>YES</b></p>	101

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

**II.7. continued**

	<p>If YES, please explain:</p> <p><b>Regular meetings with Managers from mother New Zealand World Heritage Sites</b></p> <p><b>Attendance at International Regional Workshops</b></p> <p><b>Hosting visits from other State Parties</b></p> <p><b>Correspondence with managers by email publications</b></p>	102
	<p>Please indicate which experience made during the periodic reporting exercise and/or during the on-going conservation / protection efforts of the property could be shared with other States Parties dealing with similar problems or issues:</p> <p><b>The following experiences at Tongariro National Park World Heritage Area are useful for sharing with other State Parties:</b></p> <ul style="list-style-type: none"> <li>• <b>Limiting impacts of visitor use and tourism.</b></li> <li>• <b>Co-operative management arrangements with indigenous people</b></li> <li>• <b>Emergency management</b></li> <li>• <b>Dealing with threats from introduced animal and plants</b></li> </ul> <p><b>Tongariro receives a number of visitors each year from State Governments looking at protected areas, National Park or World Heritage</b></p>	103
	<p>Provide the name(s) and address(es) of organization(s) or specialist(s) who could be contacted for this purpose:</p> <p>Agency / Organisation: <b>Department of Conservation</b></p> <p>Person responsible: <b>Paul Green, Conservator, Tongariro/Taupo Conservancy</b></p> <p>Address: <b>Private Bag, Turangi Place, Turangi, New Zealand</b></p> <p>Telephone: <b>0064 7 386 8607</b></p> <p>Fax: <b>0064 7 386 7086</b></p> <p>E-mail: <b>pgreen@doc.govt.nz</b></p>	104

**II.8. Assessment of the Periodic Reporting exercise for Section II**

	<p>Was sufficient and adequate information made available to the responsible authorities and individuals during the preparation phase of the Periodic Reporting exercise (information given, meetings etc.)?</p> <p><b>There has been no intervention other than that provided in the questionnaire.</b></p>	105
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If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

*II.8. continued*

	<p>Was the questionnaire clear and did it help to comply with the reporting requirements of the State Party?</p> <p><b>The questionnaire could be clearer with respect to defining requirements in some areas.</b></p> <ul style="list-style-type: none"> <li>• <b>Evaluation and inscription might have occurred many years ago. Some organisations may have difficulty locating appropriate correspondence in order to reply to questions 009 – 016</b></li> <li>• <b>In particular some clarification is needed to the expectation in recording scientific studies and research e.g. does it include university research? What period should be included?</b></li> <li>• <b>A definition of visitor facilities would help. Are they restricted to facilities provided by the State Department or do the include those of concessions, other government agencies or local authorities?</b></li> <li>• <b>The questions on monitoring are a little vague. What is being monitored i.e. ecology or management actions?</b></li> <li>• <b>Is the intention to report only on changes that have been made over a six year period?</b></li> </ul>	106
	<p>What are the perceived benefits and lessons learnt of the exercise?</p> <ul style="list-style-type: none"> <li>• <b>Provides World Heritage Centre with a ‘snap shot’ of each site management and highlights any particular areas where assistance may be required.</b></li> <li>• <b>Ensure site managers assess their own evaluation of their site and emphasises future actions they may need to take.</b></li> <li>• <b>Provides a baseline for reporting progress</b></li> <li>• <b>Enables the World Heritage centre to encourage information sharing or assistance between sites.</b></li> </ul>	107
	<p>Please describe the expected outcome of the Periodic Reporting exercise and the desired follow-up by the World Heritage Committee:</p> <ul style="list-style-type: none"> <li>• <b>A benchmark is provided for reporting back in 2009</b></li> <li>• <b>The World Heritage Committee are advised of any issues they may wish to monitor progress</b></li> <li>• <b>The World Heritage Committee will be aware of any assistance that might be able to be provided from one site to another.</b></li> <li>• <b>Follow up on any specific issues of concern</b></li> <li>• <b>Suggested networking with any State Parties or sites where experience may be relevant.</b></li> <li>• <b>A basis for reporting comparison in six years time.</b></li> </ul>	108

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).

### II.9. Documentation attached

The State Party is invited to supply the materials listed below. Please check those items that were attached.

1. ( ) Maps and plans showing the general location of the property, its boundary and buffer zone as well as the necessary detail of the property itself (see question 003 for specifications)
2. ( ) Photo of general view (aerial view) of the property
3. ( ) Illustrations of the state of conservation of the site (photographs, slides and, if available, film/videos)
4. ( ) Details of the important aspects of the property (landscapes, animal and vegetable species, monuments etc.)
5. ( ) Photos illustrating the main threats to the site and its surroundings
6. ( ) Extracts of relevant laws and regulations concerning the protection of cultural and natural heritage at national, provincial and municipal levels
7. ( ) Copies of the management plan of the site as well as extracts and/or copies of other plans relating to the site (e.g. emergency plan, use plan, etc.)
8. ( ) Indicative bibliography (**Will be added in final draft**)

If the space on the Questionnaire is not sufficient, please continue on a separate page, clearly labelling the answer with the corresponding number of the question (e.g. 006).