

Periodic Report - Second Cycle

1. World Heritage Property Data

1.1 - Name of World Heritage Property

Wet Tropics of Queensland

1.2 - World Heritage Property Details

State(s) Party(ies)

- Australia

Type of Property

natural

Identification Number

486

Year of inscription on the World Heritage List

1988

1.3 - Geographic Information Table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Wet Tropics of Queensland	-15.65 / 144.967	894420	0	894420	1988
Total (ha)		894420	0	894420	

1.4 - Map(s)

Title	Date	Link to source
Wet Tropical Rainforests of North-East Australia	22/12/1987	
Map 1 of the Nomination file	01/01/1987	

1.5 - Governmental Institution Responsible for the Property

- Environment Australia

Comment

Mr Peter Burnett First Assistant Secretary Heritage and Wildlife Division Department of Sustainability, Environment, Water, Population and Communities GPO Box 787 ACT 2601 Ph: +61 2 6274 1111 Fax: +61 2 6274 2095 Email: Peter.Burnett@environment.gov.au

1.6 - Property Manager / Coordinator, Local Institution / Agency

- Professor Tor HUNDLOE
Wet Tropics Management Authority
- Max Chappell
Wet Tropics Management Authority
Manager - Planning and Research

Comment

Wet Tropics Management Authority Mr Andrew Maclean Executive Director PO Box 2050 CAIRNS Queensland Australia Email: Andrew.Maclean@derm.qld.gov.au

1.7 - Web Address of the Property (if existing)

1. [View photos from OUR PLACE the World Heritage collection](#)
2. [The Official Site for Australian Travel and Tourism Australia](#)
3. [Wet Tropics World Heritage Area](#)
4. [Natural site datasheet from WCMC](#)
5. [Wet Tropics \(Queensland Parks and Wildlife Service\)](#)

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6. [Wet Tropics of Queensland \(Department of the Environment, Water, Heritage and the Arts\)](#)

Comment

1. <http://www.ourplaceworldheritage.com> 2. Wet Tropics World Heritage Area 3. Wet Tropics (Queensland Parks and Wildlife Service) 4. Wet Tropics of Queensland (Department of Sustainability, Environment, Water, Population and Communities) 5. The Official Site for Australian Travel and Tourism Australia

1.8 - Other designations / Conventions under which the property is protected (if applicable)

2. Statement of Outstanding Universal Value

2.1 - Statement of Outstanding Universal Value / Statement of Significance

Comment

A Retrospective Statement of Outstanding Universal Value was submitted to the World Heritage Centre on 1 February 2011, awaiting World Heritage Committee approval in June 2012.

2.2 - The criteria (2005 revised version) under which the property was inscribed

(vii)(viii)(ix)(x)

2.3 - Attributes expressing the Outstanding Universal Value per criterion

<http://www.environment.gov.au/heritage/places/world/wet-tropics/values.html>

2.4 - If needed, please provide details of why the Statement of Outstanding Universal Value should be revised

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

3. Factors Affecting the Property

3.14. Other factor(s)

3.14.1 - Other factor(s)

3.15. Factors Summary Table

3.15.1 - Factors summary table

	Name	Impact	Origin				
3.1	Buildings and Development						
3.1.1 Housing		⊖	🚩			🔄	
3.1.4 Major visitor accommodation and associated infrastructure	⊕		🚩			🔄	
3.1.5 Interpretative and visitation facilities	⊕		🚩	🚩	🔄	🔄	
3.2	Transportation Infrastructure						
3.2.1 Ground transport infrastructure	⊕	⊖	🚩		🔄		
3.2.2 Air transport infrastructure	⊕		🚩			🔄	
3.2.4 Effects arising from use of transportation infrastructure		⊖	🚩		🔄		
3.3	Services Infrastructures						
3.3.1 Water infrastructure		⊖	🚩	🚩	🔄	🔄	
3.3.2 Renewable energy facilities		⊖	🚩		🔄		
3.3.4 Localised utilities		⊖	🚩		🔄		
3.3.5 Major linear utilities		⊖	🚩		🔄		
3.4	Pollution						
3.4.2 Ground water pollution		⊖		🚩		🔄	
3.4.3 Surface water pollution		⊖	🚩			🔄	
3.5	Biological resource use/modification						
3.5.3 Land conversion	⊕		🚩		🔄		
3.5.4 Livestock farming / grazing of domesticated animals		⊖	🚩		🔄		
3.5.10 Forestry /wood production	⊕		🚩		🔄	🔄	
3.6	Physical resource extraction						
3.6.2 Quarrying		⊖	🚩		🔄		
3.6.4 Water (extraction)		⊖	🚩	🚩	🔄	🔄	
3.8	Social/cultural uses of heritage						
3.8.1 Ritual / spiritual / religious and associative uses	⊕		🚩		🔄		
3.8.2 Society's valuing of heritage	⊕		🚩	🚩	🔄	🔄	
3.8.3 Indigenous hunting, gathering and collecting		⊖		🚩	🔄		
3.8.5 Identity, social cohesion, changes in local population and community	⊕		🚩			🔄	
3.8.6 Impacts of tourism / visitor / recreation	⊕		🚩		🔄	🔄	
3.9	Other human activities						
3.9.3 Military training		⊖	🚩		🔄		
3.10	Climate change and severe weather events						
3.10.1 Storms		⊖	🚩	🚩	🔄	🔄	
3.10.3 Drought		⊖		🚩	🔄	🔄	
3.10.6 Temperature change		⊖	🚩	🚩	🔄	🔄	
3.10.7 Other climate change impacts		⊖	🚩	🚩	🔄	🔄	
3.11	Sudden ecological or geological events						
3.11.6 Fire (wildfires)		⊖	🚩	🚩	🔄	🔄	
3.12	Invasive/alien species or hyper-abundant species						
3.12.1 Translocated species		⊖	🚩	🚩	🔄	🔄	
3.12.2 Invasive/alien terrestrial species		⊖	🚩	🚩	🔄	🔄	
3.12.3 Invasive / alien freshwater species		⊖	🚩		🔄	🔄	
3.12.5 Hyper-abundant species		⊖	🚩		🔄		
3.13	Management and institutional factors						
3.13.1 Low impact research / monitoring activities	⊕		🚩		🔄	🔄	

					Name	Impact			Origin
3.13.3 Management activities									
Legend	Current	Potential	Negative	Positive	Inside		Outside		

3.16. Assessment of current negative factors

3.16.1 - Assessment of current negative factors

		Spatial scale	Temporal scale	Impact	Management response	Trend
3.1	Buildings and Development					
3.1.1	Housing	restricted	on-going	insignificant	no capacity and / or resources	static
3.2	Transportation Infrastructure					
3.2.1	Ground transport infrastructure	restricted	on-going	significant	low capacity	static
3.2.4	Effects arising from use of transportation infrastructure	restricted	on-going	significant	low capacity	increasing
3.3	Services Infrastructures					
3.3.1	Water infrastructure	restricted	on-going	minor	low capacity	static
3.3.2	Renewable energy facilities	restricted	on-going	minor	low capacity	static
3.3.4	Localised utilities	restricted	on-going	minor	medium capacity	static
3.3.5	Major linear utilities	restricted	on-going	significant	medium capacity	decreasing
3.4	Pollution					
3.4.3	Surface water pollution	restricted	intermittent or sporadic	insignificant	medium capacity	decreasing
3.5	Biological resource use/modification					
3.5.4	Livestock farming / grazing of domesticated animals	restricted	on-going	minor	medium capacity	decreasing
3.6	Physical resource extraction					
3.6.2	Quarrying	restricted	on-going	insignificant	high capacity	decreasing
3.6.4	Water (extraction)	restricted	on-going	minor	low capacity	increasing
3.9	Other human activities					
3.9.3	Military training	restricted	on-going	minor	medium capacity	static
3.10	Climate change and severe weather events					
3.10.1	Storms	localised	intermittent or sporadic	significant	low capacity	static
3.10.6	Temperature change	widespread	on-going	catastrophic	low capacity	increasing
3.10.7	Other climate change impacts	widespread	on-going	significant	low capacity	increasing
3.11	Sudden ecological or geological events					
3.11.6	Fire (wildfires)	localised	intermittent or sporadic	significant	medium capacity	static
3.12	Invasive/alien species or hyper-abundant species					
3.12.1	Translocated species	restricted	on-going	minor	low capacity	decreasing
3.12.2	Invasive/alien terrestrial species	extensive	on-going	significant	low capacity	increasing
3.12.3	Invasive / alien freshwater species	restricted	on-going	significant	low capacity	increasing
3.12.5	Hyper-abundant species	restricted	on-going	minor	no capacity and / or resources	static

3.17. Comments, conclusions and / or recommendations related to factors affecting the property

3.17.1 - Comments

4. Protection, Management and Monitoring of the Property

4.1. Boundaries and Buffer Zones

4.1.1 - Buffer zone status

There is no buffer zone, and it is not needed

4.1.2 - Are the boundaries of the World Heritage property adequate to maintain the property's Outstanding Universal Value?

The boundaries of the World Heritage property are **adequate** to maintain the property's Outstanding Universal Value

4.1.3 - Are the buffer zone(s) of the World Heritage property adequate to maintain the property's Outstanding Universal Value?

The property had **no buffer zone** at the time of its inscription on the World Heritage List

4.1.4 - Are the boundaries of the World Heritage property known?

The boundaries of the World Heritage property are known by both the management authority and local residents / communities / landowners.

4.1.5 - Are the buffer zones of the World Heritage property known?

The property had **no buffer zone** at the time of its inscription on the World Heritage List

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

4.2. Protective Measures

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

Commonwealth legislation

Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)

State legislation

- Wet Tropics World Heritage Protection and Management Act 1993
- Wet Tropics Management Plan 1998
- Nature Conservation Act 1992
- Vegetation Management Act 1999
- Land Act 1994
- Integrated Planning Act 1997

Comment

Commonwealth legislation • Environment protection and Biodiversity Conservation Act 1999 (EPBC Act) State

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legislation • Wet Tropics World Heritage Protection and Management Act 1993 • Wet Tropics Management Plan 1998 • Nature Conservation Act 1992 • Vegetation Management Act 1999 • Land Act 1994 • Sustainable planning Act 2009

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

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

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

The property had **no buffer zone** at the time of inscription on the World Heritage List

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

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

4.2.5 - Can the legislative framework (i.e. legislation and / or regulation) be enforced?

There is **excellent** capacity / resources to enforce legislation and / or regulation in the World Heritage property

4.2.6 - Comments, conclusions and / or recommendations related to protective measures




All World Heritage properties in Australia are 'matters of national environmental significance' protected and managed under national legislation, the Environment Protection and Biodiversity Conservation Act 1999. This Act is the statutory instrument for implementing Australia's obligations under a number of multilateral environmental agreements, such as the World Heritage Convention, the Convention on Biological Diversity and the Ramsar Convention. By law, any action that has, will have or is likely to have a significant impact on the World Heritage values of a World Heritage property must be referred to the responsible Minister for consideration. Substantial penalties apply for taking such an action without approval. Once a heritage place is listed, the Act provides for the preparation of management plans which set out the significant heritage aspects of the place and how the values of the site will be managed. Importantly, this Act also aims to protect matters of national environmental significance, such as World Heritage properties, from impacts even if they originate outside the property or if the values of the property are mobile (as in fauna). It thus forms an additional layer of protection designed to protect values of World Heritage properties from external impacts. The Act has been tested in court in relation to protection of the values of World Heritage properties.

4.3. Management System / Management Plan

4.3.1 - Management System

There is a Management Plan in place for this property

4.3.2 - Management Documents

Title	Status	Available	Date	Link to source
Management Proposal for the Conservation and Sustainable Resource Utilisation of the Wet Tropical Rainforests of North East Queensland. Summary.	N/A	Available	01/01/1988	
Wet Tropics Management Plan 1998, reprinted as in force on 25 June 2005	In the process of revision	Available	01/01/1998	
Wet Tropics Management Plan 1998, reprinted as in force on 25 June 2005	In the process of revision	Available	01/01/1998	

Comment

Wet Tropics Management Plan 1998 reprinted as in force 18 December 2009

<http://legislation.govnet.qld.gov.au/LEGISLTN/CURRENT/W/WetTropMgmtP98.pdf>

4.3.3 - How well do the various levels of administration (i.e. national / federal; regional / provincial / state; local / municipal etc.) coordinate in the management of the World Heritage Property ?

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

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

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

4.3.5 - Is the management system being implemented?

The management system is being **fully** implemented and monitored

4.3.6 - Is there an annual work / action plan and is it being implemented?

An annual work / action plan exists and **most or all activities** are being implemented and monitored

4.3.7 - Please rate the cooperation / relationship with World Heritage property managers / coordinators / staff of the following

Local communities / residents	Fair
Local / Municipal authorities	Good
Indigenous peoples	Good
Landowners	Good
Visitors	Good
Researchers	Good
Tourism industry	Good
Industry	Good

4.3.8 - If present, do local communities resident in or near the World Heritage property and / or buffer

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zone have input in management decisions that maintain the Outstanding Universal Value?

Local communities have **some input** into discussions relating to management but no direct role in management

4.3.9 - If present, do indigenous peoples resident in or regularly using the World Heritage property and / or buffer zone have input in management decisions that maintain the Outstanding Universal Value?

Indigenous peoples directly contribute to **some decisions** relating to management but their involvement could be improved

4.3.10 - Is there cooperation with industry (i.e. forestry, mining, agriculture, etc.) regarding the management of the World Heritage property, buffer zone and / or area surrounding the World Heritage property and buffer zone?

There is **regular contact** with industry regarding the management of the World Heritage property, buffer zone and / or area surrounding the World Heritage property and buffer zone and **substantial co-operation** on management

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

4.3.12 - Please report any significant changes in the legal status and / or contractual / traditional protective measures and management arrangements for the World Heritage property since inscription or the last Periodic report

4.4. Financial and Human Resources

4.4.1 - Costs related to conservation, based on the average of last five years (relative percentage of the funding sources)

Multilateral funding (GEF, World Bank, etc)	0%%
International donations (NGO's, foundations, etc)	0%%
Governmental (National / Federal)	20%
Governmental (Regional / Provincial / State)	80%
Governmental (Local / Municipal)	0%
In country donations (NGO's, foundations, etc)	0%
Individual visitor charges (e.g. entry, parking, camping fees, etc.)	0%
Commercial operator payments (e.g. filming permit, concessions, etc.)	0%
Other grants	0%

4.4.2 - International Assistance received from the World Heritage Fund (USD)

Comment

No international assistance has been received from the World Heritage Fund.

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

The available budget is **sufficient** but further funding would enable more effective management to international best practice standard

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

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

4.4.5 - Does the World Heritage property provide economic benefits to local communities (e.g. income, employment)?

There is a **major flow** of economic benefits to local communities from activities in and around the World Heritage property

4.4.6 - Are available resources such as equipment, facilities and infrastructure sufficient to meet management needs?

There are **adequate** equipment and facilities

4.4.7 - Are resources such as equipment, facilities and infrastructure adequately maintained?

Equipment and facilities are **well maintained**

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

4.4.9 - Distribution of employees involved in managing the World Heritage property (% of total)

Full-time	98%%
Part-time	2%%

4.4.10 - Distribution of employees involved in managing the World Heritage property (% of total)

Permanent	98%%
Seasonal	2%%

4.4.11 - Distribution of employees involved in managing the World Heritage property (% of total)

Paid	100%%
Volunteer	0%%

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

Human resources are **adequate** for management needs

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

Research and monitoring	Good
Promotion	Good
Community outreach	Fair
Interpretation	Fair
Education	Good
Visitor management	Good
Conservation	Good
Administration	Good
Risk preparedness	Fair
Tourism	Good
Enforcement (custodians, police)	Good

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

Research and monitoring	Low
Promotion	Low
Community outreach	Medium
Interpretation	Medium
Education	Low
Visitor management	Low
Conservation	Low
Administration	Low
Risk preparedness	Medium
Tourism	Low
Enforcement (custodians, police)	Low

4.4.15 - Do the management and conservation programmes at the World Heritage property help develop local expertise?

A capacity development plan or programme is **in place and fully implemented**; all technical skills are being transferred to those managing the property locally, who are assuming leadership in management

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

4.5. Scientific Studies and Research Projects

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

Knowledge about the values of the World Heritage property is **sufficient** for most key areas **but there are gaps**

4.5.2 - 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

4.5.3 - Are results from research programmes disseminated?

Research results are **shared widely** with the local, national and international audiences

4.5.4 - Please provide details (i.e. authors, title, and web link) of papers published about the World Heritage property since the last Periodic Report

Scientific publications that were authored or contributed to by Rainforest CRC researchers between 1993 and 2006 are listed in:

http://www.rrrc.org.au/rfrc/downloads/rainforestcrc_library.pdf

Since July 2006, Marine and Tropical Science Research Facility (MTSRF) replaced the Rainforest CRC. Scientific publications are listed in:

http://www.rrrc.org.au/publications/journal_articles.html

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

4.6. Education, Information and Awareness Building

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

In many locations and easily visible to visitors

4.6.2 - Please rate the awareness and understanding of the existence and justification for inscription of the World Heritage property amongst the following groups

Local communities / residents	Average
Local / Municipal authorities within or adjacent to the property	Excellent
Local Indigenous peoples	Average
Local landowners	Average
Visitors	Average
Tourism industry	Excellent
Local businesses and industries	Average

4.6.3 - Is there a planned education and awareness programme linked to the values and management of the World Heritage property?

There is a planned education and awareness programme but it only **partly meets the needs** and could be improved

4.6.4 - What role, if any, has designation as a World Heritage property played with respect to education, information and awareness building activities?

World Heritage status has influenced education, information and awareness building activities, **but it could be improved**

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

The Outstanding Universal Value of the property is adequately presented and interpreted **but improvements could be made**

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

Visitor centre	Adequate
Site museum	Not provided but needed
Information booths	Poor
Guided tours	Adequate
Trails / routes	Adequate
Information materials	Adequate
Transportation facilities	Adequate
Other	Not needed

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

4.7. Visitor Management


4.7.1 - Please provide the trend in annual visitation for the last five years

Last year	Static
Two years ago	Static
Three years ago	Static
Four years ago	Static
Five years ago	Static

4.7.2 - What information sources are used to collect trend data on visitor statistics?

Tourism industry
Visitor surveys

4.7.3 - Visitor management documents

Title	Date	Link to source
Wet Tropics Nature Based Tourism Strategy	01/01/2000	

4.7.4 - Is there an appropriate visitor use management plan (e.g. specific plan) for the World Heritage property which ensures that its Outstanding Universal Value is maintained?

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

4.7.5 - Does the tourism industry contribute to improving visitor experiences and maintaining the values of the World Heritage property?

There is **excellent co-operation** between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation

4.7.6 - If fees (i.e. entry charges, permits) are collected, do they contribute to the management of the World Heritage property?

No fees are collected

4.7.7 - Comments, conclusions and / or recommendations related to visitor use of the World Heritage property

Source of data used in assessment of trends in visitor numbers over last five years:
http://www.cairnsgreatbarrierreef.org.au/Editor/pdf/FINAL_TT_NQ_Strategic_Plan_2010-2011_May2010.pdf

4.8. Monitoring

4.8.1 - Is there a monitoring programme at the property which is directed towards management

needs and / or improving understanding of Outstanding Universal Value?

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

4.8.2 - Are key indicators for measuring the state of conservation used to monitor how the Outstanding Universal Value of the property is maintained?

Information on the values of the World Heritage property is sufficient and key indicators have been defined but **monitoring the status of indicators could be improved**

4.8.3 - Please rate the level of involvement in monitoring of the following groups

World Heritage managers / coordinators and staff	Average
Local / Municipal authorities	Average
Local communities	Average
Researchers	Excellent
NGOs	Average
Industry	Average
Local indigenous peoples	Average

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

Implementation is **complete**

4.8.5 - Please provide comments relevant to the implementation of recommendations from the World Heritage Committee

4.8.6 - Comments, conclusions and / or recommendations related to monitoring

4.9. Identification of Priority Management Needs

4.9.1 - Please select the top 6 managements needs for the property (if more than 6 are listed below)

Please refer to question 5.2

5. Summary and Conclusions

5.1. Summary - Factors affecting the Property

5.1.1 - Summary - Factors affecting the Property

		World Heritage criteria and attributes affected	Actions	Monitoring	Timeframe	Lead agency (and others involved)	More info / comment
3.2	Transportation Infrastructure						
3.2.4	Effects arising from use of transportation infrastructure	Criterion (x) significant habitats where threatened species still survive.	• Traffic calming devices installed on key roads • Fauna signage installed to alert drivers • Restricted access roads in sensitive areas to regulate use • Research undertaken on impacts of vehicle noise, lights, pollution, edge effects and roadkill	• Efficacy of mitigation approaches and effects on faunal road kill monitored • Traffic counts and use patterns monitored on key roads • Cassowary roadkills and injury monitored • Road kill monitoring on key roads • Traffic calming devices trialled	• Permit assessment guidelines for use of vehicles in WTWHA: August 2001 • Cassowary roadkill monitoring program: 1986 - 2010 • Intensive (weekly) roadkill monitoring on key road 1991-1995; 2005-2007 • Road and traffic research program 1991-2008	• Cassowary deaths: Dept of Environment and Resource Management (DERM) • Traffic counts: Dept of Main Roads (DMR), DERM, James Cook University (JCU) • Mitigation: JCU, DMR, WTMA, Dept of Sustainability, Environment, Water, Population and Communities	• Permit assessment guidelines for use of vehicles in WTWHA: http://www.wettropics.gov.au/mwha/mwha_pdf/s62_guidelines/s62_guidelines.pdf Guidelines: http://www.rrcc.org.au/publications/roads_in_rainforest .
3.10	Climate change and severe weather events						
3.10.6	Temperature change	Criterion (viii) representing the major stages of the earth's evolutionary history. Criterion (ix) ongoing biological evolution. Criterion (x) significant habitats where threatened species still survive.	• Climate Change in the Wet Tropics: Impacts and Responses (2008). WTMA • National Climate Change Adaptation Research Facility: Terrestrial Biodiversity Network hosted by James Cook University • Centre for Tropical Biodiversity and Climate Change	• Network of microclimate & biodiversity monitoring plots • Network of climate change forest dynamics plots • Wildlife disease/temperature response monitoring • Temperature sensitivity of possums • Lemuroid ringtail possum intensive monitoring	Wet Tropics climate change report: 2008 CSIRO forest dynamics plot network 1971 - JCU microclimate/biodiversity plot network 1995 - National adaptation research 2009 - Intensive lemuroid possum monitoring 2010 -	• Dept of Sustainability, Environment, Water, Population and Communities: funding for monitoring programs • JCU & CSIRO: research and monitoring underpinning management responses • WTMA: Wet Tropics Climate Change report; funding lemuroid monitoring	More information: http://www.wettropics.gov.au/res/res_climate.htm http://www.wettropics.gov.au/media/media_pdf/annual_reports/2008/annual_report_2008.pdf http://www.nccarf.edu.au/terrestrialbiodiversity www.jcu.edu.au/ctb
3.10.7	Other climate change impacts						
3.12	Invasive/alien species or hyper-abundant species						

		World Heritage criteria and attributes affected	Actions	Monitoring	Timeframe	Lead agency (and others involved)	More info / comment
3.12.2	Invasive/alien terrestrial species	Criterion (viii) major stages of the earth's evolutionary history Criterion (ix) biological evolution Criterion (vii) superlative natural phenomena, exceptional natural beauty Criterion (x) habitats where threatened species still survive	• Priority pest species identified in Statutory plan • National Siam Weed & 4 Tropical Weeds Eradication Programs • General weed control programs • Weeds of National Significance control programs • Feral pig trapping program	• Biosecurity Queensland + CSIRO: Monitoring and modelling of weed eradication programs • CSIRO: Modelling of patterns of dispersal and spread of weeds species • QPWS: Pond apple control monitoring • WTMA: public feral deer sightings	• National Siam Weed eradication program: 1995 - 2012 • National 4 Tropical Weeds eradication program: 2004 - 2012 • Coordinated feral pig trapping programs: 1989 – ongoing • General weed priorities and control: ongoing	• Weed eradication and control: Australian Dept Agriculture, Fisheries and Forestry (DAFF), Biosecurity Queensland (BQ), QPWS, local government (LG) • Pig control: QPWS, local government • Pest priorities: BQ, DAFF, QPWS, WTMA, LG	• Weeds of National Significance: http://www.weeds.org.au/natsig.htm weeds national eradication programs: http://www.daff.gov.au/animals/weeds/weeds/eradication
3.12.3	Invasive / alien freshwater species	Criterion (viii) representing the major stages of the earth's evolutionary history. Criterion (ix) ongoing biological evolution. Criterion (x) significant habitats where threatened species still survive.	• Chytrid fungus declared a key threatening process and protocols in place • Limnnocharis flava eradication program • Tilapia (Oreochromis mossambicus + Tilapia mariae) research, control and eradication programs • Education campaigns	• Biosecurity Queensland: limnnocharis and other aquatic pests • Dept. Environment and Resource Management (DERM)/JCU: frog distribution and chytrid monitoring • Dept. Employment, Economic Development and Innovation (DEEDI): Tilapia monitoring	Limnnocharis flava eradication program: 2001-2012	• DEEDI: Tilapia surveillance & education campaign • Terrain NRM: integrated management of tilapia • DERM: chytrid fungus protocols and permit restrictions • Dept of Sustainability, Environment, Water, Population and Communities: chytrid fungus	• Tilapia: http://www.dpi.qld.gov.au/28_13879.htm • Limnnocharis: http://www.derm.qld.gov.au/register/p02905aa.pdf • Chytrid: http://www.derm.qld.gov.au/register/p02905aa.pdf
3.12.5	Hyper-abundant species						

5.2. Summary - Management Needs

5.2.2 - Summary - Management Needs

Please select your top management needs in question 4.9 before filling in the summary table.

Periodic Report - Second Cycle

5.3. Conclusions on the State of Conservation of the Property

5.3.1 - Current state of Authenticity

Not applicable (for sites inscribed exclusively under criteria vii to x)

5.3.2 - Current state of Integrity

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

5.3.3 - Current state of the World Heritage property's Outstanding Universal Value

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

5.3.4 - 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 **predominantly intact**

5.4. Additional comments on the State of Conservation of the Property

5.4.1 - Comments

6. World Heritage Status and Conclusions on Periodic Reporting Exercise

6.1 - 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	Very positive
Quality of life for local communities and indigenous peoples	Very positive
Recognition	Positive
Education	Positive
Infrastructure development	Positive
Funding for the property	Positive
International cooperation	No impact
Political support for conservation	Positive
Legal / Policy framework	Very positive
Lobbying	Positive
Institutional coordination	Very positive
Security	Very positive
Other (please specify)	Not applicable

6.2 - Comments, conclusions and / or recommendations related to World Heritage status

6.3 - Entities involved in the preparation of this Section of the Periodic Report

Governmental institution responsible for the property
Site Manager/Coordinator/World Heritage property staff
Non Governmental Organization
Indigenous peoples
Local community
External experts

Section II - Wet Tropics of Queensland (486)

6.4 - Was the Periodic Reporting questionnaire easy to use and clearly understandable?

yes

6.5 - Please provide suggestions for improvement of the Periodic Reporting questionnaire

Considerable improvement on first round of Periodic Reporting Guidelines could be significantly refined - still high level of ambiguity There were strong views expressed by Traditional Rainforest Aboriginal People that the wording of the questions were not appropriate in reflecting Aboriginal interests, cultural perspectives or aspirations.

6.6 - Please rate the level of support for completing the Periodic Report questionnaire from the following entities

UNESCO	Very poor
State Party Representative	Good
Advisory Body	

6.7 - How accessible was the information required to complete the Periodic Report?

Most of the required information was accessible

6.8 - The Periodic Reporting process has improved the understanding of the following

The World Heritage Convention
The concept of Outstanding Universal Value
The property's Outstanding Universal Value
The concept of Integrity and / or Authenticity
The property's Integrity and / or Authenticity
Managing the property to maintain the Outstanding Universal Value
Monitoring and reporting
Management effectiveness

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

UNESCO	None
State Party	None
Site Managers	Not Applicable
Advisory Bodies	Not Applicable

6.10 - Summary of actions that will require formal consideration by the World Heritage Committee

• Statement of Outstanding Universal Value / Statement of Significance

Reason for update: A Retrospective Statement of Outstanding Universal Value was submitted to the World Heritage Centre on 1 February 2011, awaiting World Heritage Committee approval in June 2012.

6.11 - Comments, conclusions and / or recommendations related to the Assessment of the Periodic Reporting exercise