

1. World Heritage Property Data

1.1 - Name of World Heritage Property

Ir.D.F. Woudagemaal (D.F. Wouda Steam Pumping Station)

1.2 - World Heritage Property Details

State(s) Party(ies)

- Netherlands

Type of Property

cultural

Identification Number

867


Year of inscription on the World Heritage List

1998

1.3 - Geographic Information Table

Name	Coordinates (longitude / latitude)	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Ir.D.F. Woudagemaal (D.F. Wouda Steam Pumping Station)	52.846 / 5.679	7.32	20.68	28	1998
Total (ha)		7.32	20.68	28	

1.4 - Map(s)

Title	Date	Link to source
Ir. D.F. Woudagemaal (D.F. Wouda Steam Pumping Station) - Inscribed property and buffer zone	03/02/2010	

1.5 - Governmental Institution Responsible for the Property

- Rene Wokke
Cultural Heritage Agency of the Netherlands
National Focal Point for Periodic Reporting

1.6 - Property Manager / Coordinator, Local Institution / Agency

- Hilda Boesjes-Beljon
Ir. D.F. Wouda Steam Pumping Station Visitors
Centre
Ms

Comment

Email: hboesjes@weterskipfryslan.nl Cellfone:
0031683538905

1.7 - Web Address of the Property (if existing)

- Patrimonium-mundi.org : visit this site in [panophotographies - immersive and interactive spherical images](#)
- [View photos from OUR PLACE the World Heritage collection](#)
- [Stichting Platform Werelderfgoed Nederland](#)
- [De Friese waterschappen](#)
- [Woudagemaal \(Official Web site\)](#)
- [Woudagemaal op de Lijst van het Werelderfgoed \(Dutch only\)](#)
- [Werelderfgoed in Nederland](#)

Comment

Please skip items 6 and 7 Please add Cultural Heritage Agency of the Netherlands: www.cultureelerfgoed.nl

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

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

(i)(ii)(iv)

2.3 - Attributes expressing the Outstanding Universal Value per criterion

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					
3.1.4	Major visitor accommodation and associated infrastructure					
3.1.5	Interpretative and visitation facilities					
3.2	Transportation Infrastructure					
3.2.1	Ground transport infrastructure					
3.3	Services Infrastructures					
3.3.2	Renewable energy facilities					
3.10	Climate change and severe weather events					
3.10.2	Flooding					
Legend	Current	Potential	Negative	Positive	Inside	Outside

3.16. Assessment of current negative factors

3.16.1 - Assessment of current negative factors

No factor is both current and negative.

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 a buffer zone

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 buffer zones of the World Heritage property **are adequate** to maintain the property's Outstanding Universal Value

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

The boundaries of the World Heritage property are known by the management authority but **are not known by local residents / communities / landowners.**

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

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

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)

Note WHC (July 2012): Please carefully review and update the information provided below.

The property is designated as a monument under the provisions of Article 6 of the 1988 Monuments Act and inscribed on the State Monument Register. All interventions require official authorization.

In the Municipal Plan of Lemsterland the property is located within the area covered by the Kalmond zoning plan, which defines land use zones and imposes restrictions on the nature and appearance of new constructions within this area. The Wouda Pumping Station is located within an area reserved for hydraulic purposes. This plan forms part of the comprehensive Netherlands planning system, created by the Environmental Planning Act 1962 (revised 1996), which requires the

formulation and regular updating of land-use plans (in this case the 1994 Friesland Plan (Streekplan Friesland)). There is also comprehensive legislation relating to water management, stemming from the Water Management Act 1989 (revised 1995). This requires water managers to produce Water Management Plans, the first of which for Friesland covered 1992-95.

Comment

Description of the current laws and regulations by responsibility public body / board layer; see the rSoOUV and/or Ir. D.F. Woudagemaal, Management Plan 30 januari 2012, chapter 3, 3.3.

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 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

4.2.4 - 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?

The legal framework for the area surrounding the World Heritage property and the buffer zone provides **an adequate or better basis** for effective management and protection of the property, contributing to the maintenance of its Outstanding Universal Value including conditions of Authenticity and / or Integrity

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

4.3. Management System / Management Plan

4.3.1 - Management System

Note WHC (July 2012): If a more recent management plan / system is in force, we will very much appreciate it if you could provide its 2 paper and electronic copies to the WHC. The submission should be accompanied by a cover letter to DIR/WHC. Thank you for your cooperation.

Ownership of the Pumping Station, the neighbouring houses, and the Teroelsterkolk (pool) was transferred in December 1993 by the Province of Friesland to the Waterschap Friesland (Friesland Water Board), a public body which assumed

responsibility for the management of water quantity and quality. The Board maintains the Pumping Station as a working industrial museum. It had a planned management budget for the period 1997-2000 that provided for renovation of roofs and brickwork, repairs to banks, survey and repair of boilers, conservation of pumps, and other projects.

Comment

For the sustainability of the pumping station it is essential that it remains functional in water management. The function is defined in the Water Management Plan 2010-2015. Having skilled personnel is also essential. For the continuity of the function, having qualified staff is a regular obligation of the Water Board. An appropriate budget is fixed.

4.3.2 - Management Documents

Comment

See: Ir. D.F. Woudagemaal, Management Plan 30 januari 2012.

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	Good
Local / Municipal authorities	Good
Indigenous peoples	Not applicable
Landowners	Non-existent
Visitors	Good
Researchers	Good
Tourism industry	Good
Industry	Non-existent

4.3.8 - If present, do local communities resident in or near the World Heritage property and / or buffer zone have input in management decisions that maintain the Outstanding Universal Value?

Local communities have **no input** into decisions relating to the 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?

No indigenous peoples are resident in or regularly using the World Heritage property and / or buffer zone

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 **little or no contact** with industry regarding the management of the World Heritage property, buffer zone and / or area surrounding the World Heritage property and buffer zone

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)	0%
Governmental (Regional / Provincial / State)	0%
Governmental (Local / Municipal)	100%
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)

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

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

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 **some flow** of economic benefits to local communities

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	76%
Part-time	24%

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

Permanent	100%
Seasonal	0%

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

Paid	65%
Volunteer	35%

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	Non-existent
Interpretation	Good
Education	Good
Visitor management	Good
Conservation	Good
Administration	Good
Risk preparedness	Good
Tourism	Good
Enforcement (custodians, police)	Good

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	High
Promotion	High
Community outreach	Not available
Interpretation	High
Education	High
Visitor management	High
Conservation	High
Administration	High
Risk preparedness	High
Tourism	High

Enforcement (custodians, police)	High
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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**

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 with local participants and some national agencies**

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

Book: Cultuurhistorische reeks van Werelderfgoed in Nederland #5; Het Ir. D.F. Woudagemaal. Een levend werelderfgoed op stoom. Boonstra, I., e.a., 2-12 uitgeverij Matrijs Magazines: National Geographic, National Geographic Junior, ANWB kampioen, Friesland Post, Schoolreis, Telegraaf, NRC, Algemeen Dagblad, Financieel Dagblad, PostcodeLoterij agenda, local newspapers.

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
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Local / Municipal authorities within or adjacent to the property	Excellent
Local Indigenous peoples	Not applicable
Local landowners	Average
Visitors	Excellent
Tourism industry	Excellent
Local businesses and industries	Poor

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 and effective** education and awareness programme that contributes to the protection of the World Heritage property

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 been an **important influence** on education, information and awareness building activities

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

There is **excellent presentation and interpretation** of the Outstanding Universal Value of the property

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	Excellent
Site museum	Excellent
Information booths	Adequate
Guided tours	Excellent
Trails / routes	Excellent
Information materials	Adequate
Transportation facilities	Adequate
Other	Not needed

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	Major Increase (100%+)
Two years ago	Minor Increase
Three years ago	Minor Increase
Four years ago	Minor Increase
Five years ago	Minor Increase

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

Entry tickets and registries

4.7.3 - Visitor management documents

Comment

See: Ir. D.F. Woudagemaal, Management Plan 2012. After the official opened in October 2011 of the visitor center, the number of visitors has increased significantly. In the extreme high water period in January 2012 was the pumping station in operation for more than eight day. These special circumstances have contributed to the number of visitors in January all over the 25,000.

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 **limited 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?

The fee is collected, but it makes **no contribution** to the management of the World Heritage property

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

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 considerable monitoring but it is **not directed towards 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	Excellent
Local / Municipal authorities	Excellent
Local communities	Average
Researchers	Average
NGOs	Average
Industry	Non-existent
Local indigenous peoples	Not applicable

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

No factor is both current and negative.

5.2. Summary - Management Needs

5.2.2 - Summary - Management Needs

4.1 Boundaries and Buffer Zones					
		Actions	Timeframe	Lead agency (and others involved)	More info / comment
4.1.4	The boundaries of the World Heritage property are not known by local residents / communities / landowners	No action needed.	No action needed.	none	none
4.1.5	The buffer zones of the World Heritage property are not known by local residents / communities/landowners	No action needed.	No action needed.	none	none
4.3 Management System / Management Plan					
4.3.8	Local communities have no input into management decisions	No action needed. Drawing up the Management Plan has been done with all relevant stakeholders.	No action needed.	none	none
4.3.10	There is little or no contact with industry regarding management	Not relevant. No action needed.	No action needed.	none	none

5.3. Conclusions on the State of Conservation of the Property

5.3.1 - Current state of Authenticity

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

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	Positive
Management effectiveness	Very positive
Quality of life for local communities and indigenous peoples	No impact
Recognition	Very positive
Education	Very positive
Infrastructure development	Positive
Funding for the property	Very positive
International cooperation	Positive
Political support for conservation	Very positive
Legal / Policy framework	Positive
Lobbying	Positive
Institutional coordination	Positive
Security	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

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

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

UNESCO	Very good
State Party Representative	Very good
Advisory Body	Very poor

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

All required information was accessible

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

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	Not Applicable
State Party	Not Applicable
Site Managers	Not Applicable
Advisory Bodies	Not Applicable

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

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