

# NEMRUD DAG

ADIYAMAN, TURKEY

2002 FINAL FIELD  
MISSION REPORT

PILOT CONSERVATION  
AND MOBILIZATION  
PROJECT

WORLD MONUMENTS FUND

WORLD MONUMENTS FUND - NEW YORK  
NEMRUD DAG FINAL FIELD MISSION REPORT

JUNE/JULY 2002



ACKNOWLEDGEMENTS



## ACKNOWLEDGEMENTS

---

The World Monuments Fund's missions to Nemrud Dag, Kahtha, Turkey in June and July of 2002 were made possible by the generous support of the American Express Company and Akbank, Istanbul, Turkey.

WMF wishes to extend its gratitude to the Turkish Ministry of Culture's Division of Monuments and Museums, the Turkish Democratic Foundation, and the Mayor's Offices of Kahtha and Adiyaman, for helping to make possible the critical work completed on site during the 2002 work season.

Special thanks are due to those who made possible the missions of 2002 that resulted in the production of this document, in particular, the WMF Technical Team of Ms. A Elena Charola, Dr. Predrag Gavrilovic, Dr. Ing. Bernd Fitzner, Mr. Kurt Heinrichs, Mr. Dennis LaBoucardiere, and Mr. Paolo Pagnin, and to the Conservation Department at the Middle Eastern Technical University in Ankara.

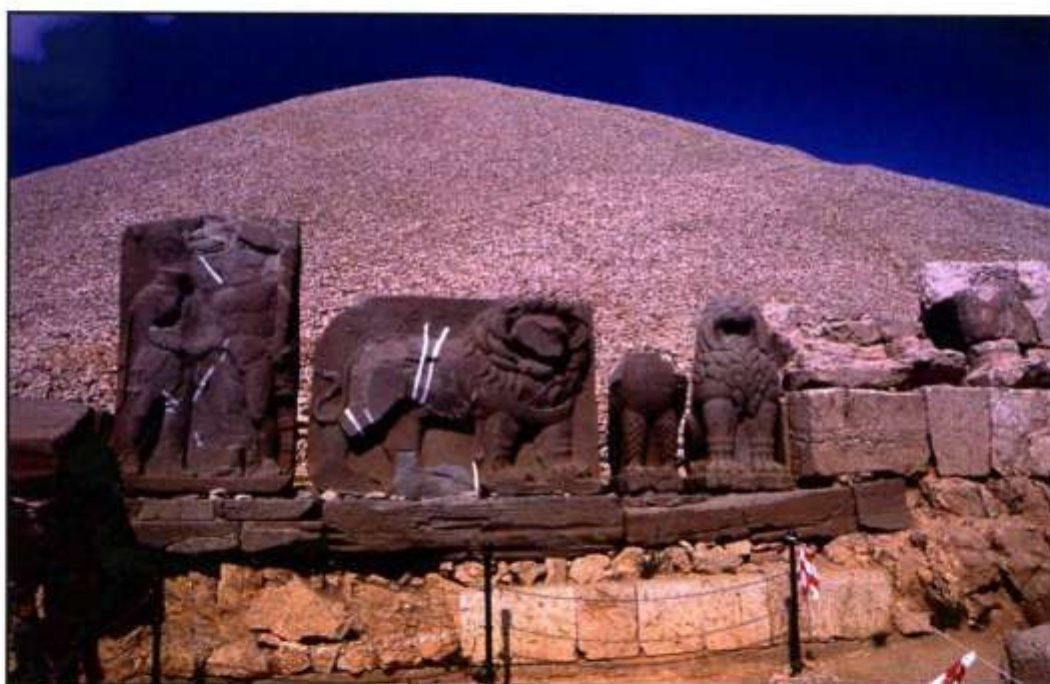
The accomplishments made on site over the past several years would not have been possible without the hard work and advance planning by our colleagues at the International Nemrud Foundation, led by Mr. Maurice Crijns, and the University of Amsterdam's Archaeology Center, led by Prof. Dr. Herman A. G. Brijder, Director of the University of Amsterdam's Allard Pierson Museum and Prof. Dr. Eric Moormann.

Gratitude also goes to Arsan Travel in Gaziantep, the Hotel Kervansaray at Mt. Nemrud, and Cendere Travel who arranged for the mission's transportation and lodging needs.

WORLD MONUMENTS FUND - NEW YORK

NEMRUD DAG FINAL FIELD MISSION REPORT

JUNE/JULY 2002



INTRODUCTION

## INTRODUCTION

---

The WMF-sponsored Nemrud Dag Pilot Project Field Missions of June and July 2002, were the culmination of a series of site visits and round table project planning sessions that began with a WMF reconnaissance mission to Nemrud Dag in August, 1999. The alarming conditions reported by the Turkish Ministry of Culture led to the successful nomination of the Mount Nemrud Archaeological Site to the *World Monuments Watch List® of 100 Most Endangered Sites* in 2000.

The immediate threats that secured the listing were the advanced stages of sandstone deterioration (stelae), the absence of a drainage system and the instability of the tumulus stones and statuary bases, uncontrolled tourist visitation around the fallen monuments, and a lack of a plan for stone conservation and site presentation. Nemrud Dag was previously inscribed on the World Heritage List in 1997.

In 2001, the International Nemrud Foundation (INF), a not-for-profit organization based in the Netherlands, was awarded a special concession from the Ministry of Culture of Turkey to research, stabilize, conserve, and present the Nemrud Dag site. The INF and its local partner, the Turkish Democracy Foundation, are responsible for the execution of work on site. INF has contracted the management of the Nemrud project to the University of Amsterdam's Archaeology Center. The project is supervised by the Turkish Ministry of Culture.

### WMF INVOLVEMENT

The World Monuments Fund was invited by the Dutch team in 2000 to lead the stone conservation and structural consolidation programs required for the site. This role focused on developing the methods for documentation, diagnosis and conservation treatment as well as structural stabilization approaches to the limestone and sandstone monuments. WMF was also asked to assist with site presentation and the initiation of a long-term site management plan.

This development was coincided with generous financial assistance from the American Express Philanthropic Foundation and Akbank of Turkey for conservation planning and site stabilization work.

### PLANNING THE PROJECT

Following Nemrud Dag's inclusion on the *Watch List*, two roundtable project planning sessions were held with the Turkish Ministry of Culture, Turkish Democracy Foundation TDV, INF, the University of Amsterdam, WMF and a team of invited international experts to outline a multi-year plan to conserve and stabilize the monuments.

### ROUNDTABLE I

Nemrud Roundtable I was held at the Nemrud Dag site and in Adyaman, Turkey in August 2001. The 3-day conference concluded WMF's first technical mission to inspect the site by its



multi-disciplinary team of consultants. Stone conservation, repair methods, approaches to improving site presentation and protection, management and visitor reception facilities were among the many issues discussed by the participants. The findings and recommendations of the WMF team and conference proceedings were published in the report, *Nemrud Dag: World Monuments Fund, First Technical Mission, August 2001*.

## **ROUNDTABLE II**

Nemrud Roundtable II, the final planning and consensus session for project activities was held in Amsterdam, November 2001. The meetings resulted in an Action Plan that included proposals for pilot projects for stone diagnosis, testing, and structural stabilization projects. The projects for conservation, structural consolidation work, and site management protection were developed by the INF/UofA, and WMF team and officially submitted by the University of Amsterdam to the Turkish Ministry of Culture in Ankara in December 2001 for review and approval for eventual implementation in the summer of 2002. The Turkish Government was represented by the Governor of Adiyaman, Mr. Halil Isik who later submitted his own report of the proceedings to the Ministry of Culture.

The Amsterdam meetings resulted in the report *Nemrud Dag: 2002 Pilot Project and Mobilization- Roundtable II: Final Planning and Consensus Session, November 2001*.

## **2002 FIELD MISSIONS: PILOT CONSERVATION AND MOBILIZATION PROJECT**

The purpose of this Final Field Mission Report is to document and present the WMF technical team's field activities and recommendations resulting from two separate field missions to the site in June and July 2002. This document combines the previously published and circulated WMF field mission report entitled *Nemrud Dag: 2002 Pilot Conservation and Mobilization Project, June 3-14, 2002* and the report of the Structural Assessment and Consolidation Mission led by Dr. Prof. Predrag Gavrilovic, structural engineer and project consultant from the Institute of Earthquake Engineering and Seismology, Macedonia, in July 2002.

This report presents the full range of the WMF team's latest recommendations for priority work scopes and emergency interventions: continuation of stone diagnosis, stabilization and conservation of emergency conditions of sandstone stela, and structural consolidation of the monumental statues and the supporting bases.

The collaborative WMF/INF/UofA team invited a team of Turkish conservators, geologists, and engineers from the Middle Eastern Technical University, Ankara to participate in the June 2002 field mission. The intention was to further the international collaborative project by including local counterpart experts that would participate in the diagnosis, laboratory testing, and treatment programs to be defined by the 2002 pilot conservation and structural consolidation projects. Additionally, their participation was critical to introducing the Nemrud Dag project to a wider professional audience in Turkey. Their executive summary and structural report (Appendix A) is included in this document.

## **CONCLUSION**

As a result of the site stabilization work accomplished and the stone conservation diagnosis and treatment programs formulated during the 2002 Pilot Project Field Mission, the World Monuments Fund believes that the most urgent threats to the site have been removed. The advancements made over the course of the two-year project were instrumental in the removal of Nemrud Dag Archaeological Site from the *Watch List*. The World Monuments Fund is pleased to have been of assistance in moving the Nemrud Dag project to its present advanced stage of planning and has announced its official withdrawal from the project team.

WORLD MONUMENTS FUND - NEW YORK  
NEMRUD DAG FINAL FIELD MISSION REPORT

JUNE 2002



1.3

EXPANDED MISSION REPORT  
STONE CONSERVATION  
BY A. ELENA CHAROLA & PAOLO PAGNIN



WORLD MONUMENTS FUND - NEW YORK  
NEMRUD DAG FINAL FIELD MISSION REPORT

JUNE 2002



1.4

TURKISH TEAM/METU FIELD REPORT

BY DR. EMINE CANER-SALTIK,  
DR. TAMAR TOPAL, DR. AHMET TURER,  
DR. AYSE TAVUKCUOĞHU, EVİN ERDER

WORLD MONUMENTS FUND - NEW YORK  
NEMRUD DAG FINAL FIELD MISSION REPORT

JUNE 2002



1.5

WMF CONSERVATION RECOMMENDATIONS  
STRUCTURAL STABILIZATION PROGRAM

BY WMF TECHNICAL TEAM

WORLD MONUMENTS FUND - NEW YORK

NEMRUD DAG FINAL FIELD MISSION REPORT

JULY 2002



FIELD MISSION II

JULY 2002



WORLD MONUMENTS FUND - NEW YORK  
NEMRUD DAG FINAL FIELD MISSION REPORT

JULY 2002



2.1

SITE MEETINGS AND FIELD PROJECT REVIEW

BY JOHN H. STUBBS & GAETANO PALUMBO, WMF

WORLD MONUMENTS FUND - NEW YORK  
NEMRUD DAG FINAL FIELD MISSION REPORT

JULY 2002



2.3

STRUCTURAL CONSOLIDATION  
OF NEMRUD SCULPTURES

BY PREDRAG GAVRILOVIC

WORLD MONUMENTS FUND - NEW YORK

NEMRUD DAG FINAL FIELD MISSION REPORT

JUNE/JULY 2002



APPENDIX