

PROJECT

Churning of the Sea of Milk Bas Relief
Angkor Wat, Cambodia

CLIENTS

World Monuments Fund
New York, New York
www.wmf.org

Integrated Conservation Resources,
Inc.
New York, New York



Angkor Wat, Cambodia

PROJECT DESCRIPTION

Angkor Wat was built during the first half of the 12th Century and is considered one of the most outstanding religious structures in the world. One of the more famous bas-reliefs depicts the Churning of the Sea of Milk, an important tale from Vishnu lore. Atkinson-Noland worked under the direction of Integrated Conservation Resources and the World Monuments Fund, using nondestructive testing methods to evaluate specific areas of the bas relief panel and the stone roof structure. The investigations were aimed at determining the presence and depth of deterioration in the original stone work and the depth and condition of previously conducted interventions.



The Churning of the Sea of Milk Gallery

SERVICES PROVIDED BY ATKINSON-NOLAND

- Microwave radar was used to evaluate the roof section over the gallery to determine stone thickness and to locate and quantify spalls, cracks, and the depth of prior repairs.
- Ultrasonic pulse velocity measurements were used to evaluate the quality of the stone and identify areas of deterioration or discontinuity. Contour maps of through-wall velocity were developed at two locations.



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