

June 6, 2007

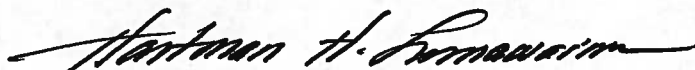
Ms. Trinkle Jones, NPS Research Coordinator
CPCESU/Northern Arizona University
PO Box 5765
Flagstaff, AZ 86011-5765

RE: Report of Task Agreement #J8100060125
Project #UAZCP – 22

Dear Ms. Jones:

I am pleased to submit the final report on the "Conserve River Boats" project. Per your instructions, please find enclosed two (2) hard copies of the one page report. An electronic version in PDF file format has also been sent to you.

Sincerely,



Hartman H. Lomawaima
Principal Investigator

cc: Dr. Stephanie Rodeffer, Chief, WACC



COPY

Report of Task Agreement #J8100060125

Park: Grand Canyon National Park

Project: Conserve River Boats

Investigator: Hartman H. Lomawaima

Project Number: UAZCP – 22

Cooperator Ms. Brynn Bender

Final Project Report

Work was completed on the Grand Canyon National Park conserve river boats project. Conservation was performed on three boats, the Stone, Edith and Glen boats. The treatment to the Edith boat was completed. Written documentation for the treatment was completed. The treatment for the Stone and Glen boats were 75% completed. Two ASM/WACC conservation technicians were supervised during the work on the three boats. Photographic and written documentation were provided to the National Park Service.

The following treatment steps were performed on each of the three boats. The physical conditions on the boats were treated with a variety of methods. The oil that accumulated as drips were removed by shaving with a scalpel followed with solvent removal. On one boat the linseed oil had gathered dirt and yellowed. The dirt layer was reduced using a liquid chemical solution followed by water rinse. And the oil layer was removed by swelling with warm water compresses followed by removing the acetone or ethanol depending on the sensitivity of the underlying paint. Two of the oldest boats have extensive tear to their canvas covered decks. Canvas tears were humidified and flattened for realignment and set in place with heat set adhesive film and muslin. The paint on the Stone boat had worn thin and lost much of its original binder in addition to the tide lines from water runoff. These surfaces were cleaned using warm water where possible and then an acrylic resin in turpentine was used to consolidate the paint layer using an airbrush. In some cases warm water was used to pick it up. In other cases we used warm water then a liquid chemical mixture set to a pH of 6-8, followed by a water rinse.

Project was concluded on July 2006. The project team members gave a well received presentation of the project at the annual meeting of the Western Association of Art Conservators in October 2006.

COPY