

ACKNOWLEDGMENTS

The design and management of the Lums Pond project has been a rewarding experience, providing the opportunity to gather a great deal of information from a significant cultural resource before ultimate destruction. The successful completion of the multistage and multiyear project was a result of the guidance and support of a number of organizations and individuals in the public and private sector.

The Federal Highway Administration (FHA) and the Delaware Department of Transportation (DelDOT) funded the archaeological investigations, thus providing the necessary financial support for completing the undertaking. John J. Gilbert, Division Administrator for the FHA, and Robert Kleinburd, Environmental Officer, are thanked for ensuring that project funding was available. Our appreciation is extended to the members of the Division of Planning, DelDOT, for their support, administration, and services, especially Eugene E. Abbott, Director; Raymond D. Richter, Assistant Director, Preconstruction; Joseph Wutka, Jr., Manager, Project Development; Theresa Fulmer, Environmental Studies Manager; Kevin Cunningham, Archaeologist; Loretta Brisbane, Secretary; and Annamay Decker, Project Scheduling and Support. DelDOT was our primary client contact, and in this role, they set the schedule and provided the overall direction, allowing us to perform our services with the highest possible quality in mind. Kevin Cunningham deserves a special note of recognition, as he fostered cooperation between agencies, provided much needed assistance to meet all job related requirements, and ensured that the archaeological work was accomplished in the most efficient manner possible. DelDOT is a recognized leader in the public dissemination of the results of cultural resources projects, packaging technical reports in a high quality fashion, and distributing this literature to a wide audience. For production and reproduction of this report, we would like to thank members of the Division of Support Operations, including Bill Yerkes, Graphics and Printing Manager; Jim Sylvester, Printer III; Ed Wilkinson, Printer III; Kate David, Graphic Specialist III; Robert J. Zullo, Graphic Specialist II; and Justina Brewington, Photo Reproduction Technician.

During the course of the Lums Pond project we had many fruitful discussions with the members of the Delaware historic preservation agencies. For their guidance and responsiveness during the multiple phases of the archaeological investigations, in the office, field, and at professional conferences, we would like to thank, in particular, Daniel R. Griffith, Director and State Historic Preservation Officer, and members of the Delaware State Historic Preservation Office, including Joan Larrivee, Deputy State Historic Preservation Officer; and Gwen Davis Coffin, Archaeologist.

Cara Blume, Archaeologist for the Delaware Department of Parks and Recreation, provided extremely useful insights during the course of the investigations. Her in-depth experience in Delaware archaeology really emerged during the field investigations. From project inception to end, Cara was right on target in predicting the outcome of the field investigations. Cara also lent her expertise as a ceramicist to examine the sherds recovered from Lums Pond.

The archaeological investigations occurred on Lums Pond State Park property, in a fallow and overgrown agricultural field. Confronted with impenetrable vegetation and brambles, we sought the help of the Lums Pond staff. Logistical support and assistance with a brush hog was provided to us by Michael Felker and his staff, including Andy Roy, Bill Reigle, Fred Trego, and Marvin Nugent.

A project as large as the Lums Pond excavations involved the technical expertise of many specialists and laboratories. We were fortunate to assemble a stellar and nationally recognized group of individuals and laboratories. Joe Schuldenrein, Geoarcheology Research Associates, provided vital field and laboratory support, effectively answering questions we had about geomorphological processes and soil formation. Noreen Tuross of the Conservation Analytical Laboratory, Smithsonian Institution, provided key evidence concerning whether we could, in fact, extract organic residues from artifacts, thus assisting us in addressing questions about prehistoric subsistence. Philip LaPorta, LaPorta and Associates, provided us with a better understanding of how the jasper materials from Iron Hill and its vicinity were processed and distributed by prehistoric inhabitants. Kathryn Puseman, Paleoresearch Laboratories, extracted valuable botanical information, allowing for reconstruction of paleoenvironments and prehistoric diet. Beta Analytic, Inc., performed the radiocarbon dating, establishing the temporal framework for site occupation.

While a Principal Investigator can formulate a research design and think of potentially exciting avenues for research, the key to effective project management lies in marshaling the support of individuals in the office, field, and laboratory. Dennis Knepper was part of the management team from project inception. Dennis helped to prepare the research design, successfully implementing and supervising all survey, testing, and excavation phases of the field project. He also played a central role in report writing. John Rutherford applied his usual enthusiasm and motivation during the course of the project, ably assisting and directing field work, and contributing to important chapters in the report, including those centering on refitting and jasper experimentation. From the beginning of the project, Carter Shields assisted in providing field equipment, supervising all laboratory processing and cataloging functions. She also interfaced with many of our technical experts, and she provided for the effective curation and storage of artifacts. Most importantly, she provided her highly accurate data sets for study. Sulah Lee improved the visual quality of the report, turning our rough sketches into presentable graphic

forms. This project would not have been completed without the assistance of over 40 field archaeologists, who worked through chilly winter weather and insufferably hot and humid summer conditions. Some of these individuals are shown on the photograph on the overleaf of this report, and all of their names appear in the list of personnel at the end to this report. Jimmy Skocik and Brian Ludwig acted as crew chiefs during the field investigations, ensuring that excavation procedures and goals were met and accurate field records kept. Jimmy provided insight for recognizing sometimes enigmatic "Delaware features". Barbara Hoover, Kay Fink, Cathi Wynter, Becky Brunette, and Diane Halsall provided administrative support for this project, ensuring that all our records met DelDOTs standards and were in accordance with company policies and procedures.

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