

CONTENTS

ABSTRACT.....	III
ILLUSTRATIONS.....	V
ACKNOWLEDGMENTS.....	VI
1. INTRODUCTION.....	1
2. PROJECT AREA LOCATION AND DESCRIPTION	3
3. RESEARCH ORIENTATION AND THE STATE PLAN.....	5
4. HUMAN HISTORY IN THE VICINITY	10
5. HISTORY	12
6. FIELD INVESTIGATIONS.....	20
7. EVALUATION AND ASSESSMENT OF IMPACT.....	27
REFERENCES.....	32

ILLUSTRATIONS

FIGURES:

1. LOCATION MAP, FROM USGS 7.5' QUADRANGLE	1
2. SKETCH MAP OF PROJECT AREA	2
3. WILSON'S RUN AREA, FROM BEERS 1868.....	9
4. PROJECT AREA FROM BAIST'S ATLAS, 1893, PLATE 3	11
5. PLAN OF THE PROJECT AREA	21
6. TEST TRENCH, UNIT 1, EAST PROFILE	22
7. PROFILES OF UNIT 6, MACHINE CUT TRENCH	23
8. CROSS SECTION OF A DRAIN TILE.....	25
9. SURVEY OF THE MILL RACE	26

PLATES:

1. AERIAL VIEW OF THE ADAMS DAM PROJECT AREA.....	3
2. VIEW OF THE PROJECT AREA, LOOKING NORTH.....	12
3. THOMPSON'S BRIDGE ROAD.....	13
4. DAMS ON WILSON'S RUN.....	14
5. ROUGH COURSED WALL ALONG ROAD 232 EAST OF THE PROJECT AREA	16
6. COURSED STONE WALL ALONG ROUTE 100 BORDERING WINTERTHUR.....	16
7. FACE OF A RUBBLE-STYLE STONE WALL ON THE EAST SIDE OF THOMPSON'S BRIDGE ROAD, IN THE PROJECT AREA.....	16
8. BACK SIDE OF THE WALL SHOWN IN PLATES 7 AND 9	16
9. DETAIL OF THE FINISH OF THE WALL SHOWN IN PLATES 7 AND 9	16
10. WALL ALONG ROUTE 92 BETWEEN THE INTERSECTION AND BRIDGE 70.....	16
11. VIEW SOUTHWARD ACROSS UNIT 1	26
12. DETAIL OF DRESSED RECTANGULAR CAPSTONES IN A RUBBLE WALL.....	27
13. COLONEL DUPONT'S SAWMILL	28
14. OVERALL VIEW OF MACHINE-CUT TRENCH.....	29
15. DETAIL OF DRAINTILE STRUCTURE.....	29
16. MODERN IMITATION OF A HISTORIC MILESTONE.....	31
17. THE AUTHOR ATTEMPTING TO RECORD THE MACHINE CUT.....	34

TABLES:

1. AGGREGATE SIGNIFICANT SITE PROBABILITIES	7
2. PREHISTORIC CHRONOLOGY.....	10
3. STRATA IN UNIT 6, MACHINE-CUT TRENCH.....	24

ACKNOWLEDGMENTS

CARA LEE BLUME AND HER COLLEAGUES at the Technical Services Section, Division of Parks and Recreation, Department of Natural Resources and Environmental Control, are due most of the credit for background sections of this report. Their management plan for Brandywine Creek State Park, which they shared in draft form with the author, is the primary source for this report.

Park management deserve special mention for their patience during a disruptive excavation. The trench across the site left damage only marginally less unsightly than the tornado that followed a few days later.

Robert Howard, of the Hagley Museum and Library offered considerable insights into the operation of the powder yard, and introduced the author to Donald Blevins, stonemason at Hagley. Staff of the general library, picture collection, and manuscript departments of the Hagley Museum and Library were most helpful, especially when the author was trying to thread the intricate web of ethnicity in the Brandywine.

From the Division of Highways: Raymond D. Richter, Assistant Director, Preconstruction; Joseph T. Wutka, Jr., Location Studies and Environmental Engineer; Joy Mengel-Ford, Environmental Planner; Kevin Cunningham, Archæologist; John Winkler, Chief of Surveys; John Winfree, Supervisor of Surveys; DeLoy Moore, Surveyor; Otis Ray, Maintenance Supervisor; John "Casey" Thorpe, Machine Operator; Tim O'Brien, Photographer; Carol L. Kates, Secretary; and Joanna Likens, Project Scheduling and Support.

From the Federal Highway Administration: John J. Gilbert, Division Administrator.

From the Division of Historical and Cultural Affairs: Daniel R. Griffith, Director and State Historic Preservation Officer; Joan N. Larrivee, Chief of the Bureau of Archæology and Historic Preservation; Faye L. Stocum, Archæologist, and Alice H. Guerrant, Archæologist.

Printed by Rogers Graphics, Dover, Delaware