## LEGEND

- SITE BOUNDARY
- "MEDIUM-QUALITY" SMALL WHORLED POGONIA HABITAT
- "HIGH-QUALITY" SMALL WHORLED POGONIA HABITAT
- PRINCE WILLIAM COUNTY SOIL SURVEY MAPPING UNIT

### MAPPED SOILS

| MAPPING UNIT SYMBOL | SOIL SERIES NAME | SLOPE |
|---|---|---|
| 18C | DUMFRIES SANDY LOAM | 7-15% |
| 18D | DUMFRIES SANDY LOAM | 15-25% |
| 18E | DUMFRIES SANDY LOAM | 25-50% |
| 27A | HATBORO-CODORUS | 0-2% |
| 47B | QUANTICO SANDY LOAM | 2-7% |
| 47C | QUANTICO SANDY LOAM | 7-15% |

NOTES:

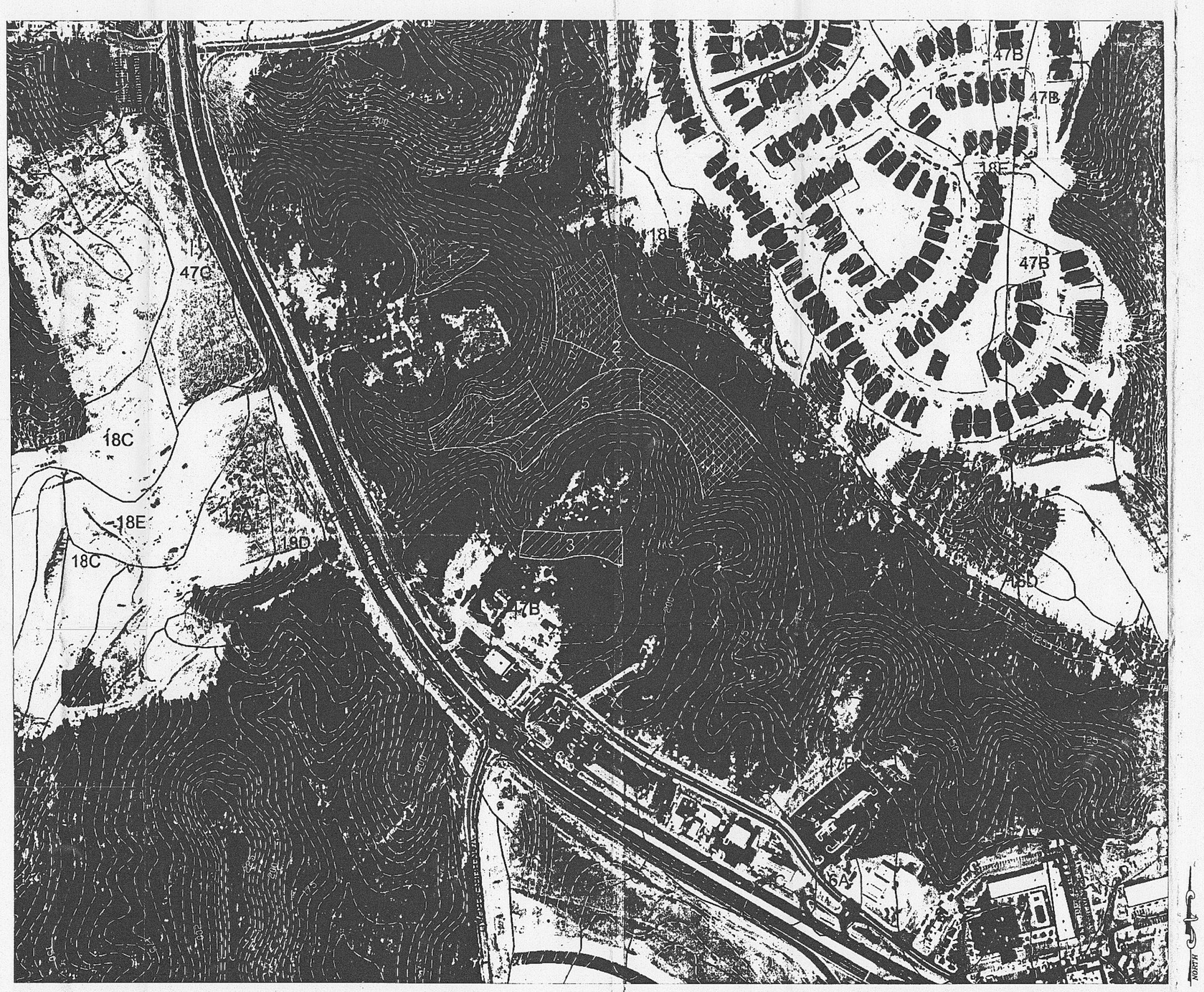
1. This attachment depicts the study area for a habitat evaluation and search for the small whorled pogonia ( *Isotria medeoloides*) conducted on July 9 and 10, 2004 by William S. Sipple within the Dumfries Road at Talon Drive study area.

2. Topography and boundary information from Prince William County Digital Data and a WSSI Spring 2004 color infrared aerial photograph were used as the base for this attachment.

3. No small whorled pogonias were detected during this search.

4. Two "high-quality" habitat areas and three "medium-quality" habitat areas, the definitions of which are discussed in the accompanying report, were identified within the project area. All areas not indicated with yellow hatching on this attachment are considered low-quality habitat for the small whorled pogonia.

6. The majority of the site was determined to be low-quality habitat for the small whorled pogonia due to the abundance of species such as Virginia pine (*Pinus virginiana*) and chestnut oak (*Quercus prinus*), which are not typically associated with small whorled pogonias, in the forest canopy and the relatively young age and dense structure of the hardwood forest community. In much of the forested portion of the site, dense stands of numerous saplings and shrubs in the understory, a preponderence of invasive non-native species such as tree-of-heaven (*Ailanthus altissima*), Japanese honeysuckle (*Lonicera japonica*) and/or Japanese knotweed (*Polygonum cuspidatum*), or a dense groundcover layer makes the forest unsuitable for the small whorled pogonia. Early successional oldfield communities and non-forested areas such as lawns and gardens are unsuitable habitat for the small whorled pogonia.




Attachment I:
SMALL WHORLED POGONIA HABITAT
EVALUATION AND SEARCH MAP
Prepared For: ZIMMER DEVELOPMENT COMPANY, L.L.C.

DUMFRIES ROAD AT TALON DRIVE
PRINCE WILLIAM COUNTY, VIRGINIA

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REVISIONS

| No. | Date | Description | Rev. By | App. By |
|---|---|---|---|---|
| | | | | |

DATE: AUGUST 2004

SCALE: 1" = 200'

Horizontal Datum: NAD 83

Vertical Datum: NGVD 29

Boundary and Topo Source:
PRINCE WILLIAM COUNTY
DIGITAL DATA

| Design | Draft | Approved |
|---|---|---|
| WSS | SMT | CET |

Sheet #
1 of 1

Computer File Name:
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