

Lincoln Memorial

APPENDIX B: VIEWSHED ANALYSIS

National Mall and Memorial Parks
Cultural Landscapes Inventory
National Park Service

Urban Heritage Project | PennPraxis
University of Pennsylvania
2022



LIST OF DRAWINGS

- Drawing 1: Viewshed Analysis—Composite View from Lincoln Memorial Circle
- Drawing 2: Viewshed Analysis—View from the Reflecting Pool Steps
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Notes

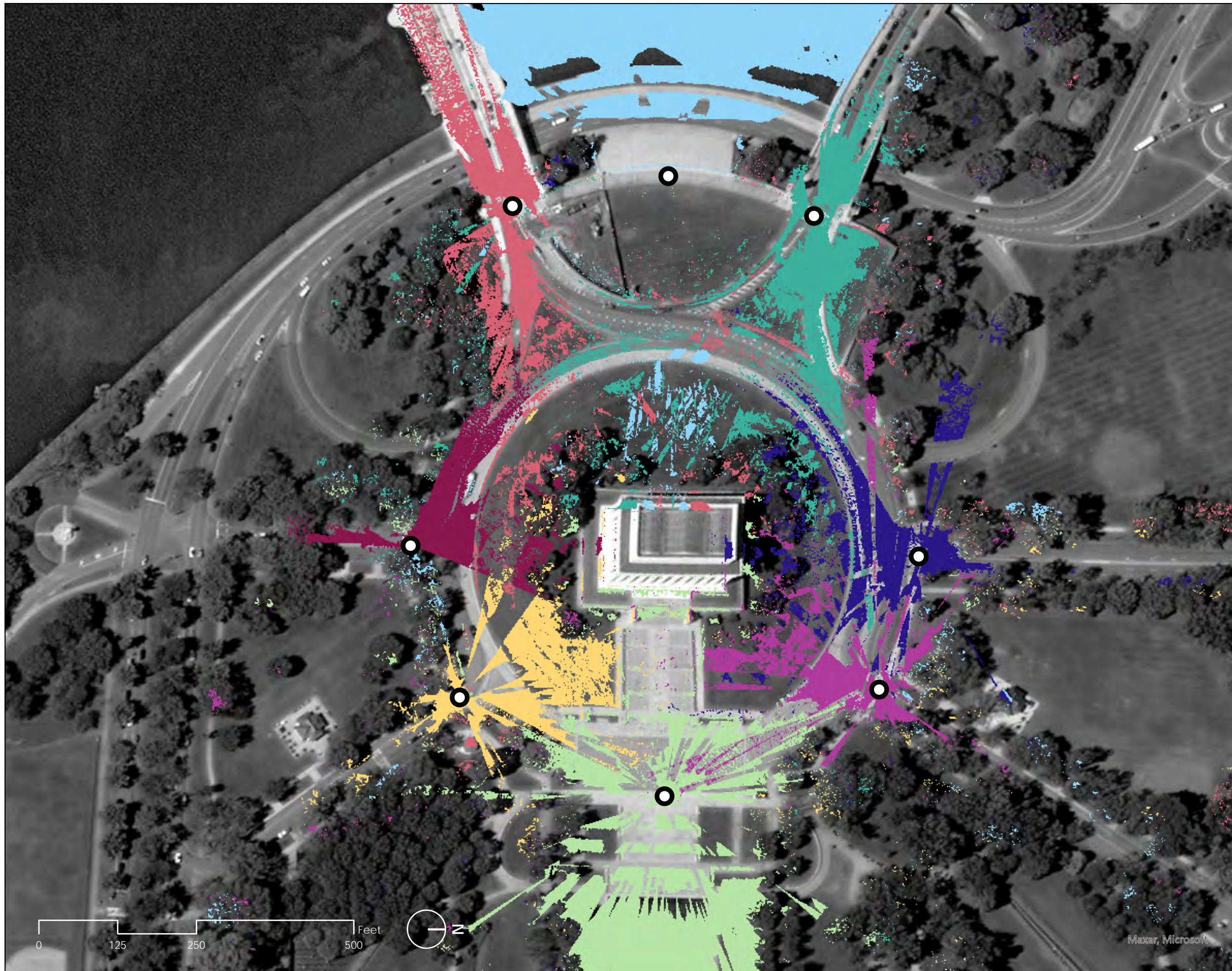
1. Author used DC LiDAR Data collected April 5, 2018 to create a DSM for all viewshed studies excluding the Long Bridge scale study, which used DC LiDAR collected on June 29 and 30, 2020.
2. “Visibility” Analysis Parameters included “Input raster”; “Analysis type”: Observers; “Observer offset” (observer height): 1.5m
3. ‘LM2’ Observer Offset: For accuracy purposes, the ‘LM2’ observer points were placed at ground level and at the height of the Lincoln Memorial raised terrace (7.5m) was added into “Observer offset” for a total value of 9m (1.5+7.5). The 7.5m value was taken from historic plans (14’+10’9”= 24’9”= ~7.5m).

Project Team

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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—Composite View
 from Lincoln Memorial Circle

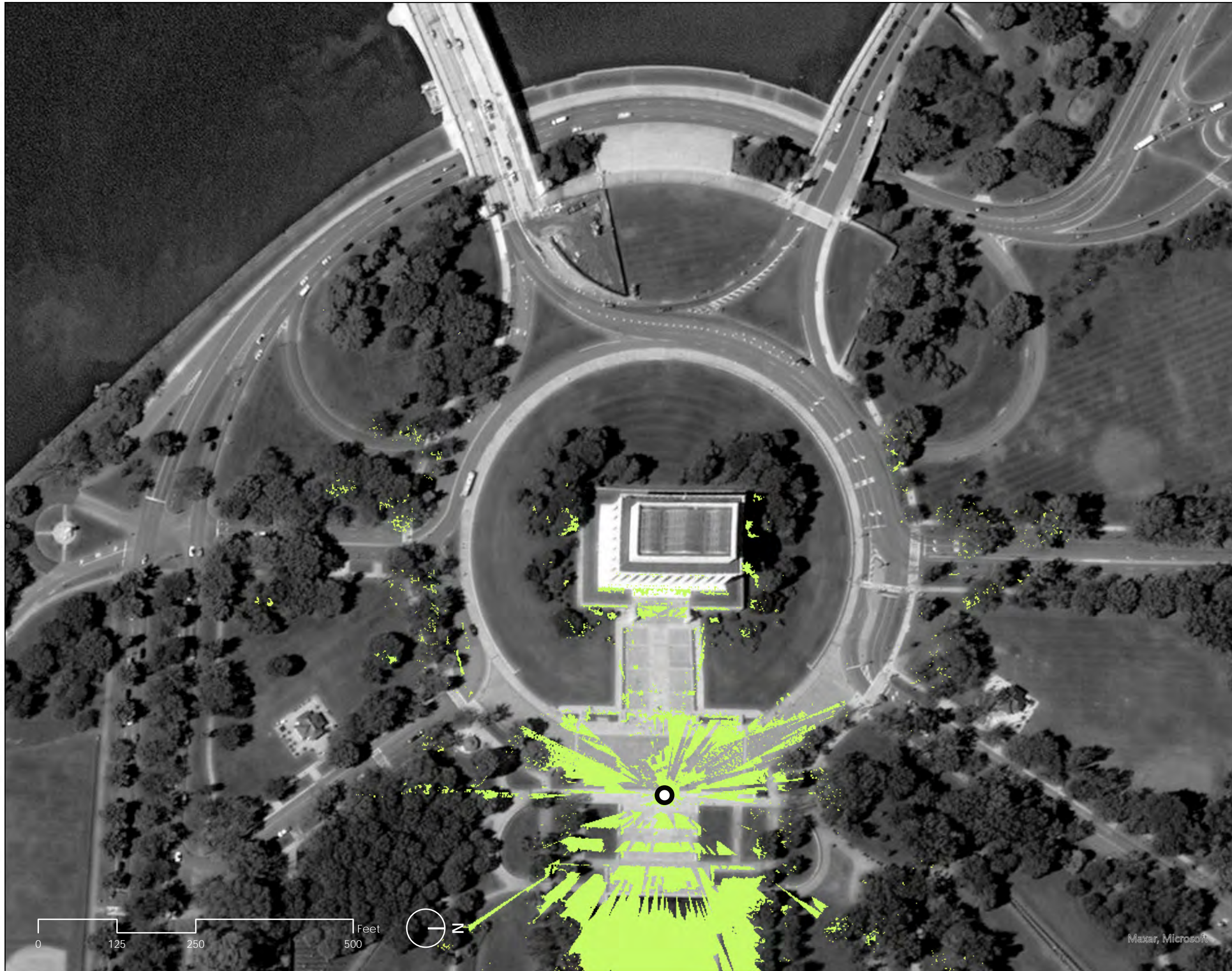


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 ArcGIS Pro, Photoshop

SOURCES
 1. Open Data DC, <https://opendata.dc.gov/>, accessed June, 2021
 2. National Capital Area Office Resource Management GIS Files, National Park Service, 2020
 3. ArcGIS Pro, Topographic Basemap, 2021

LEGEND
 Observer Point



Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—View from the
 Reflecting Pool Steps



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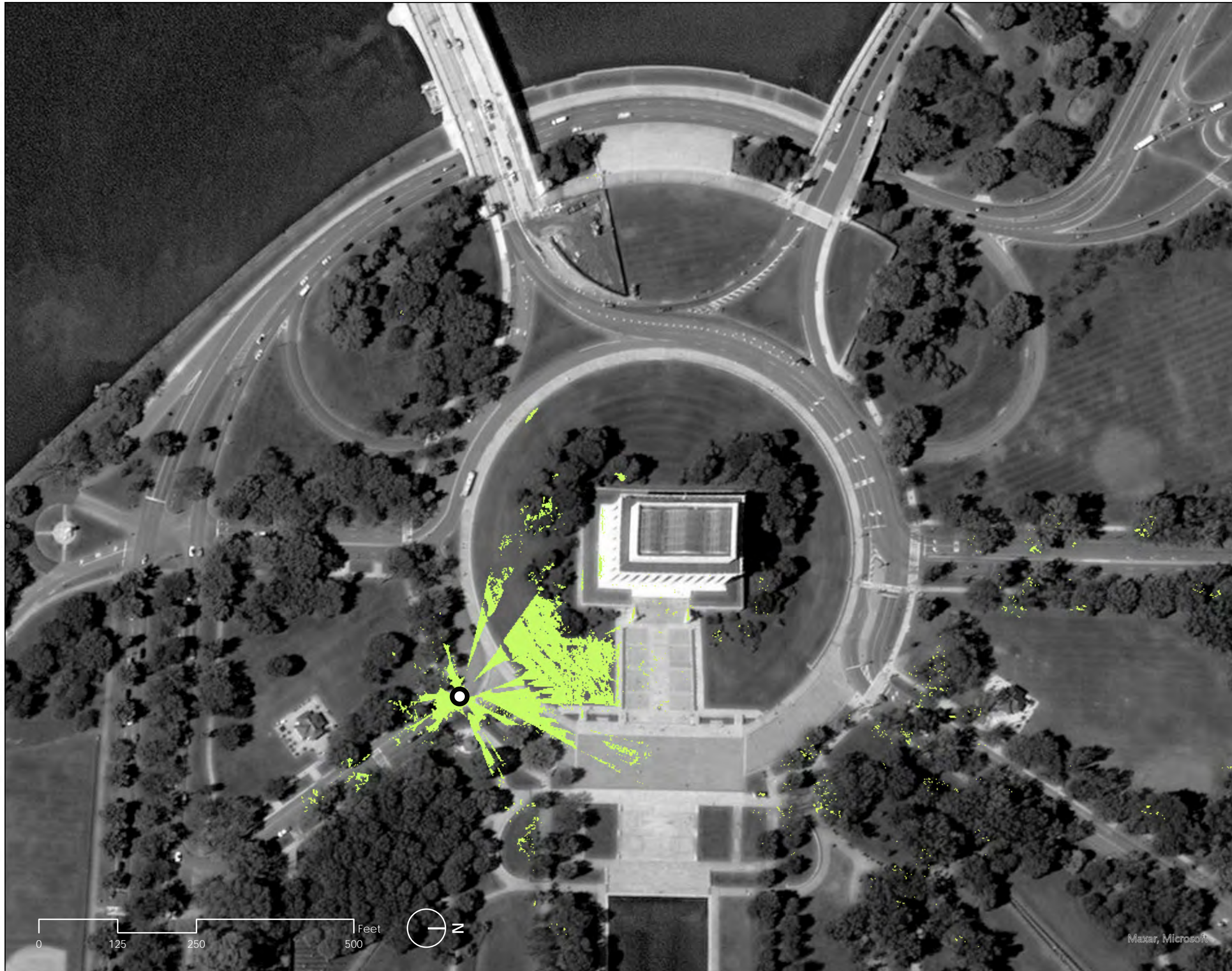
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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Viewshed Analysis—View from
Daniel French Drive SW



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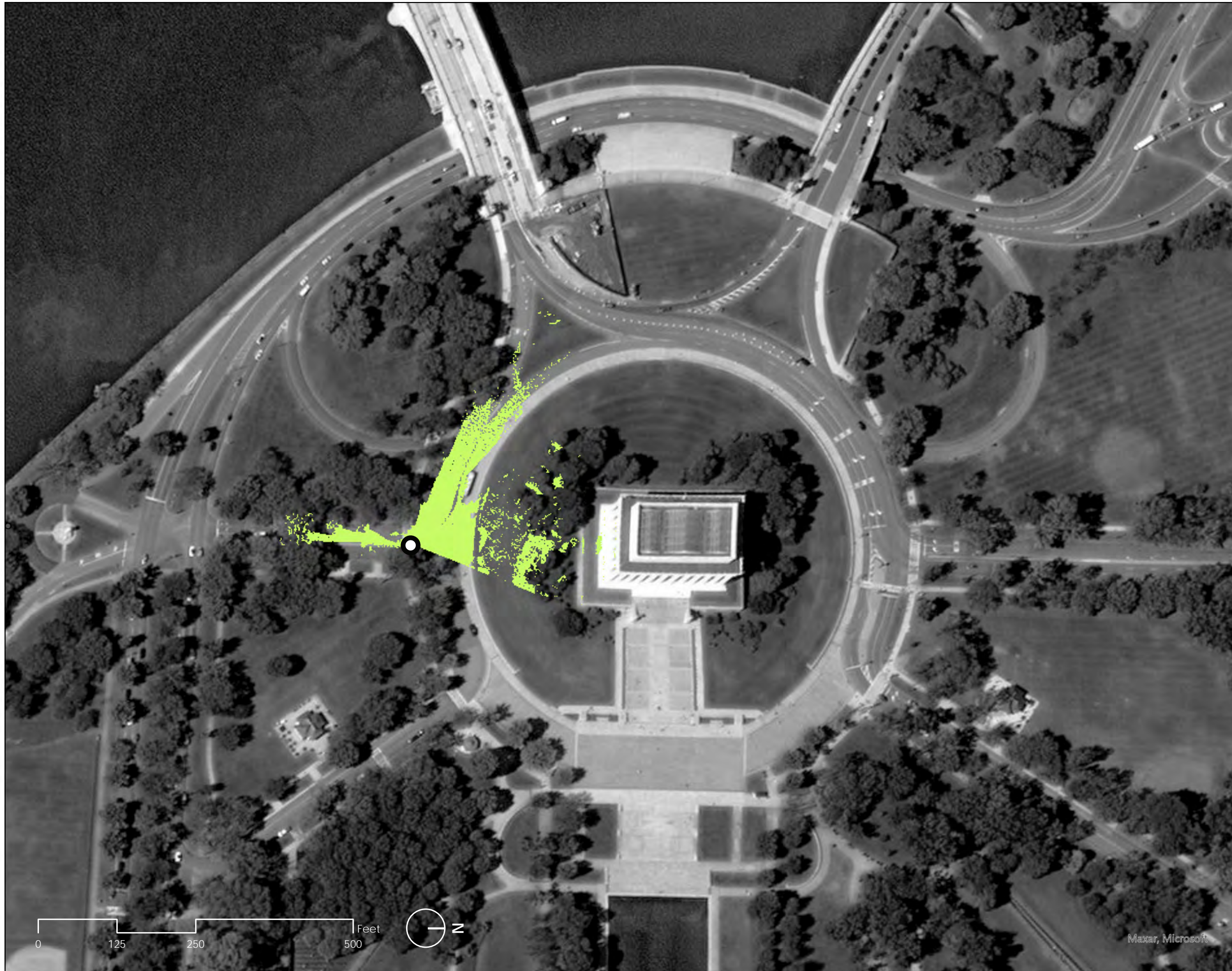
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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Viewshed Analysis—View from 23rd
Street SW



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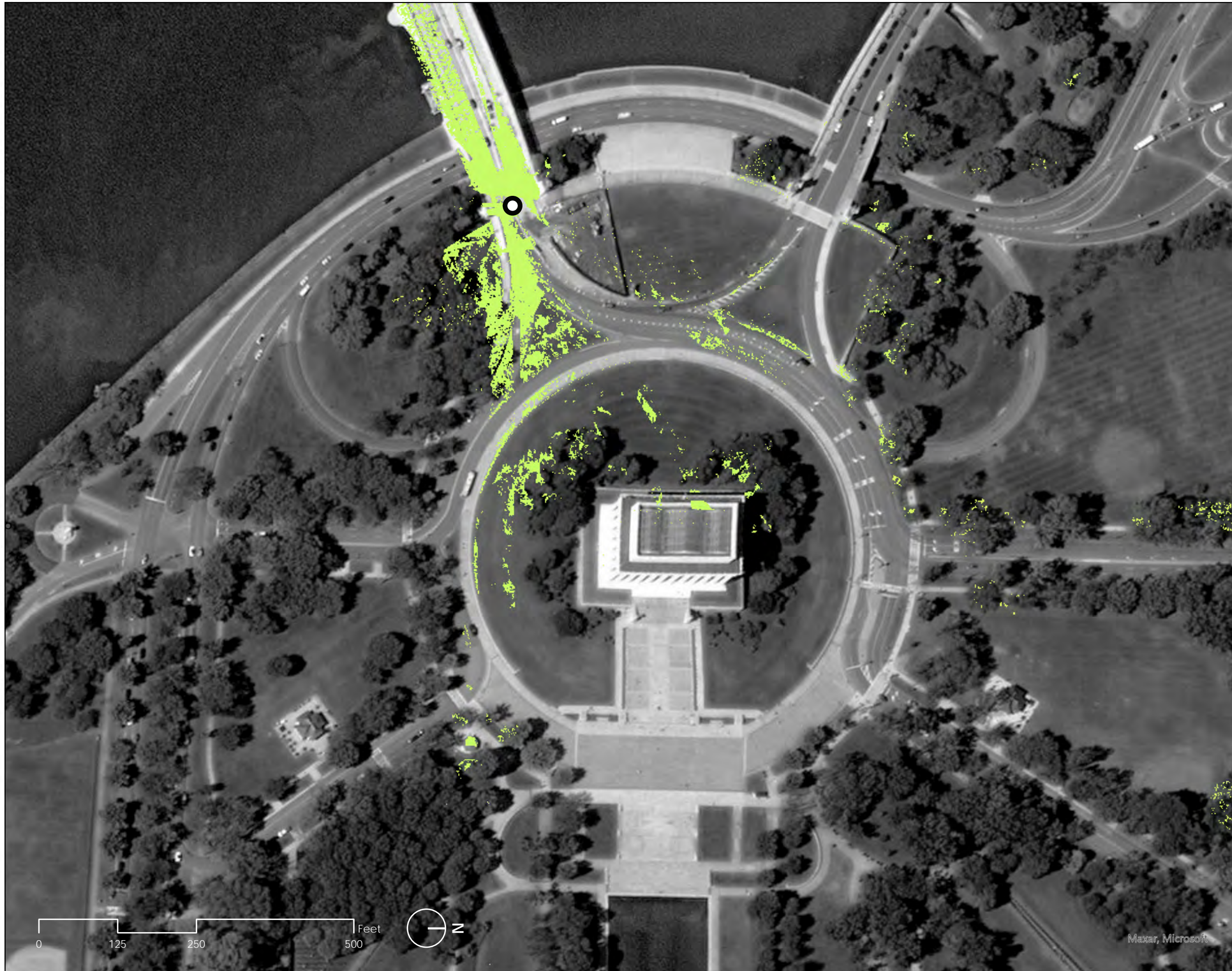
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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—View from the
 Arlington Memorial Bridge

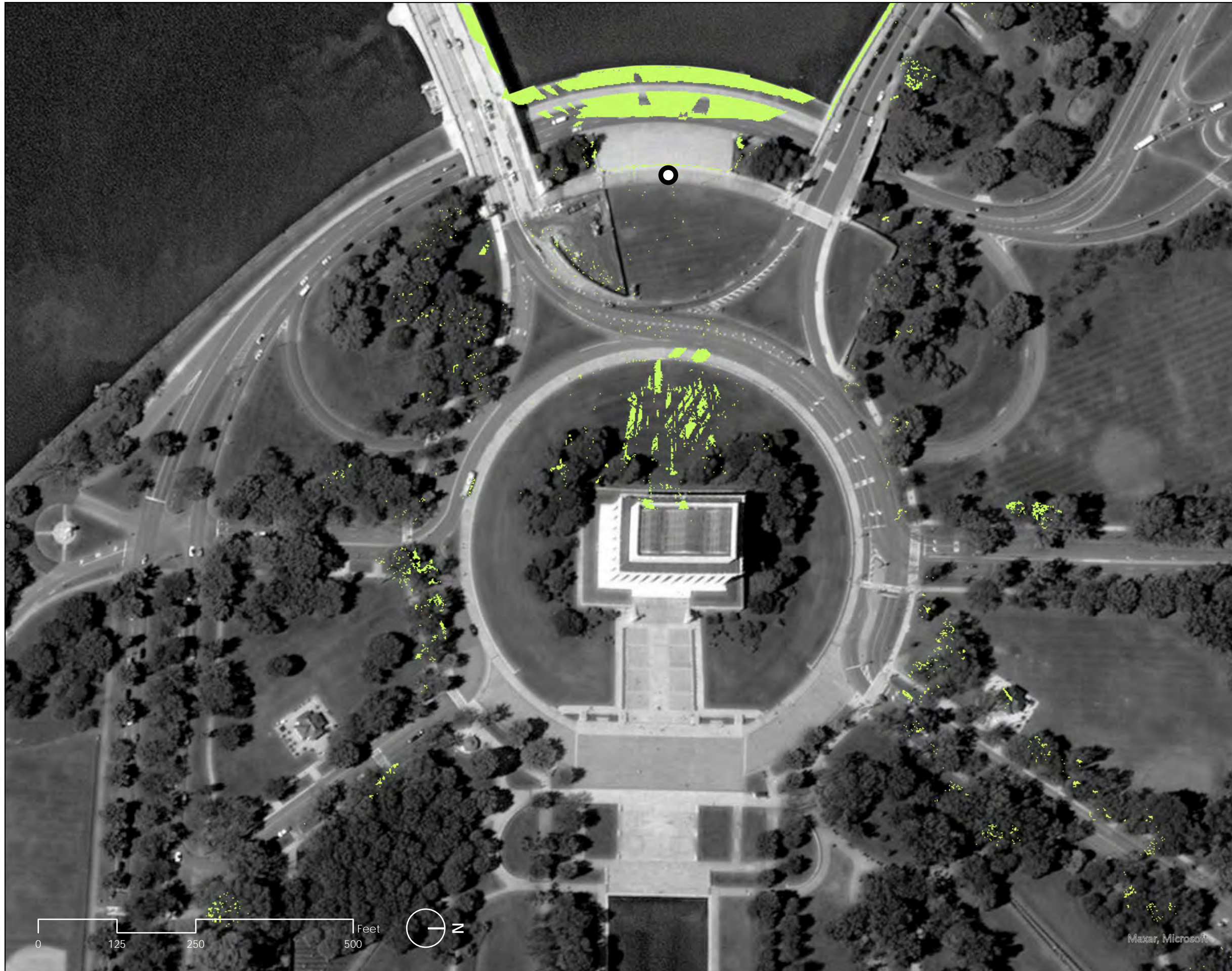


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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—View from the
 Watergate Steps



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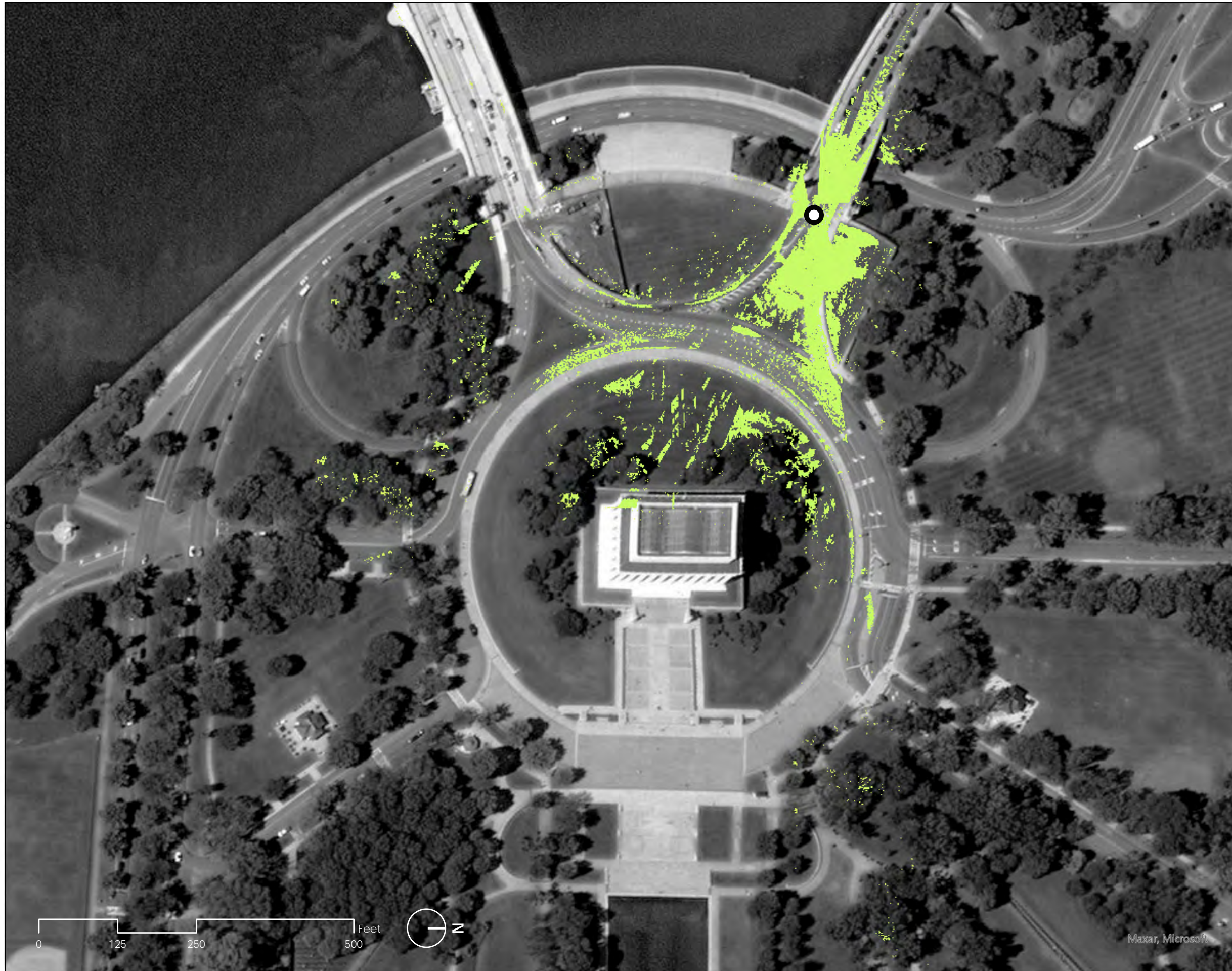
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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—View from
 Parkway Drive NW



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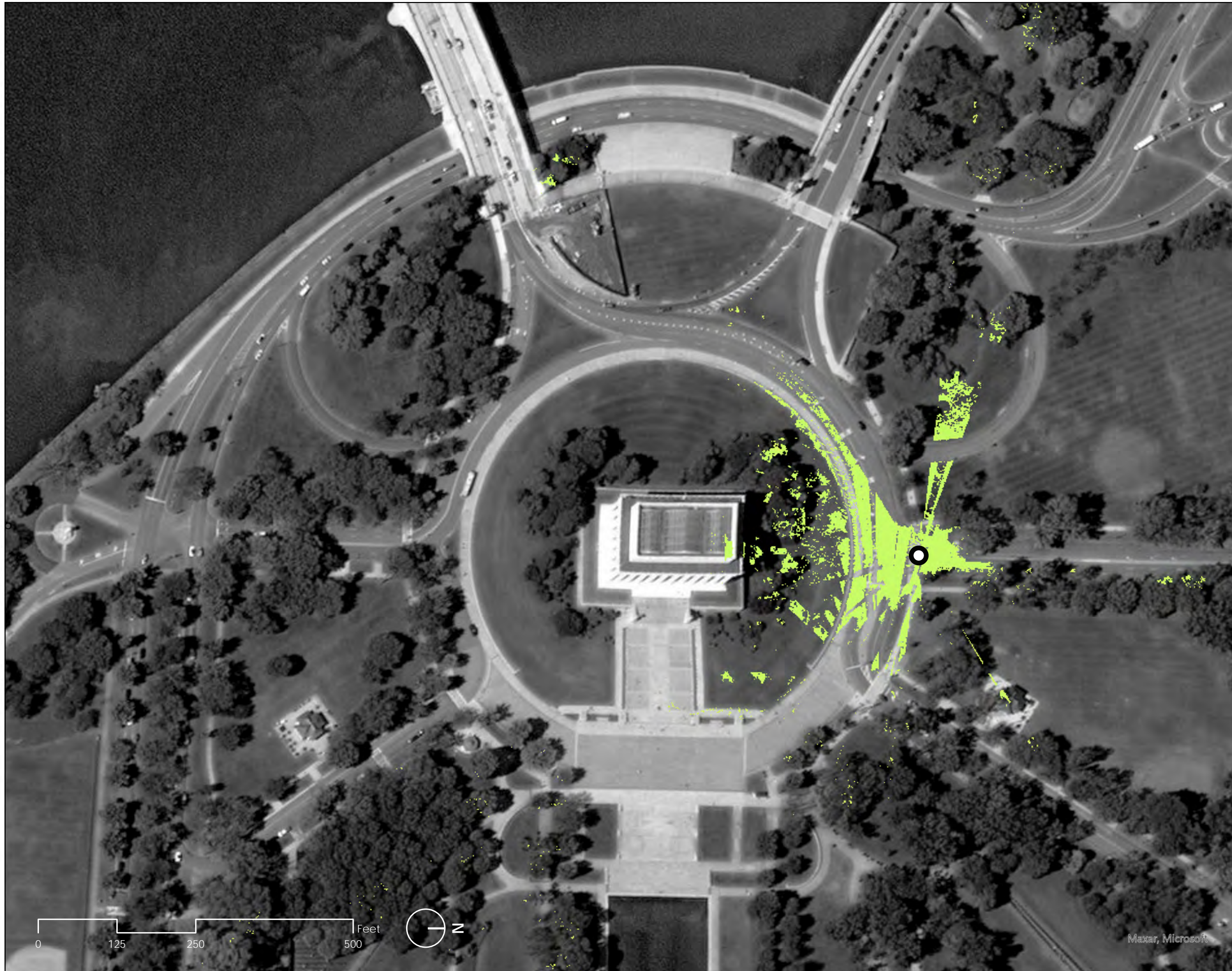
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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—View from 23rd
 Street NW



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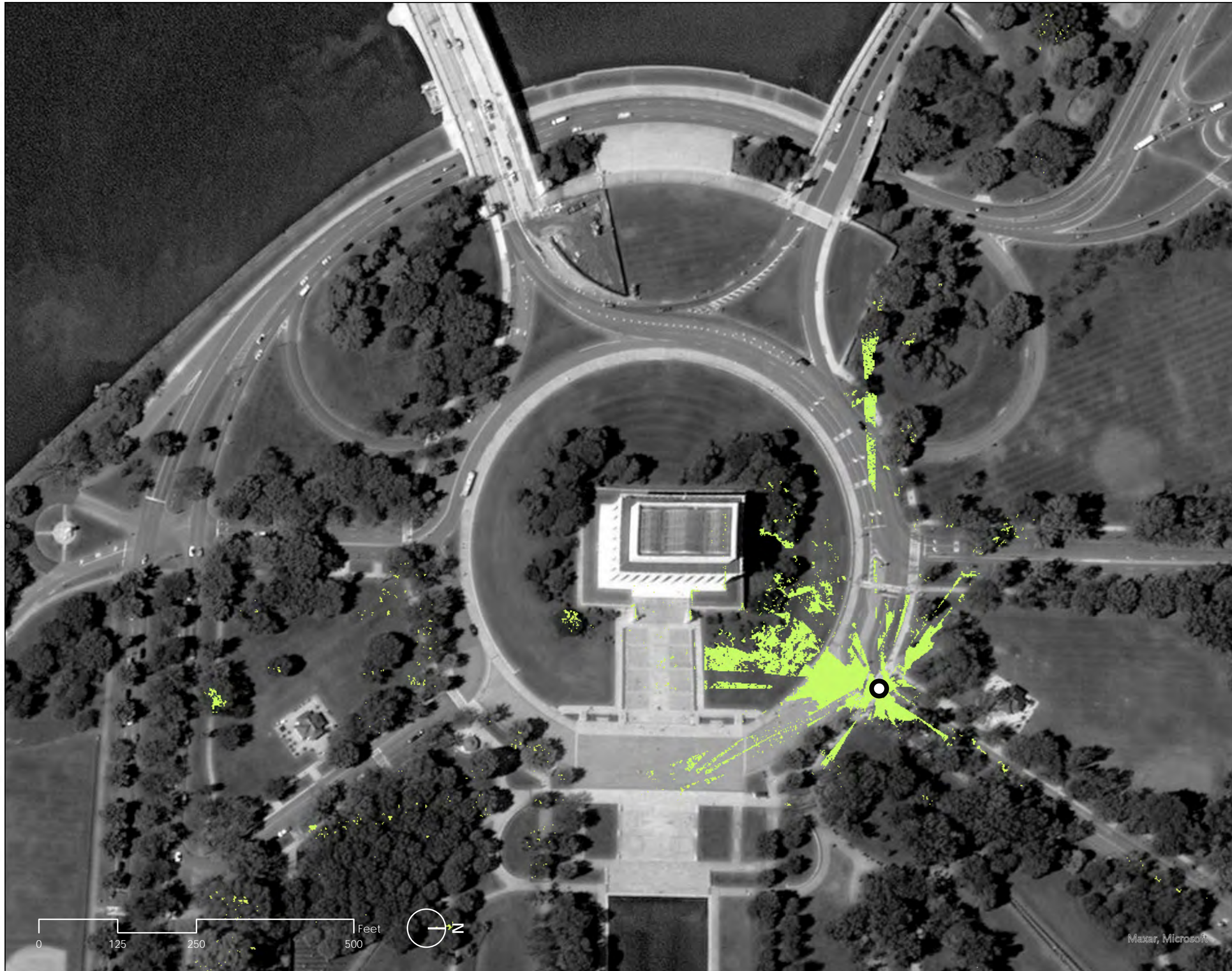
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Cultural Landscape Inventory
Lincoln Memorial Grounds
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 Viewshed Analysis—View from
 Henry Bacon Drive NW



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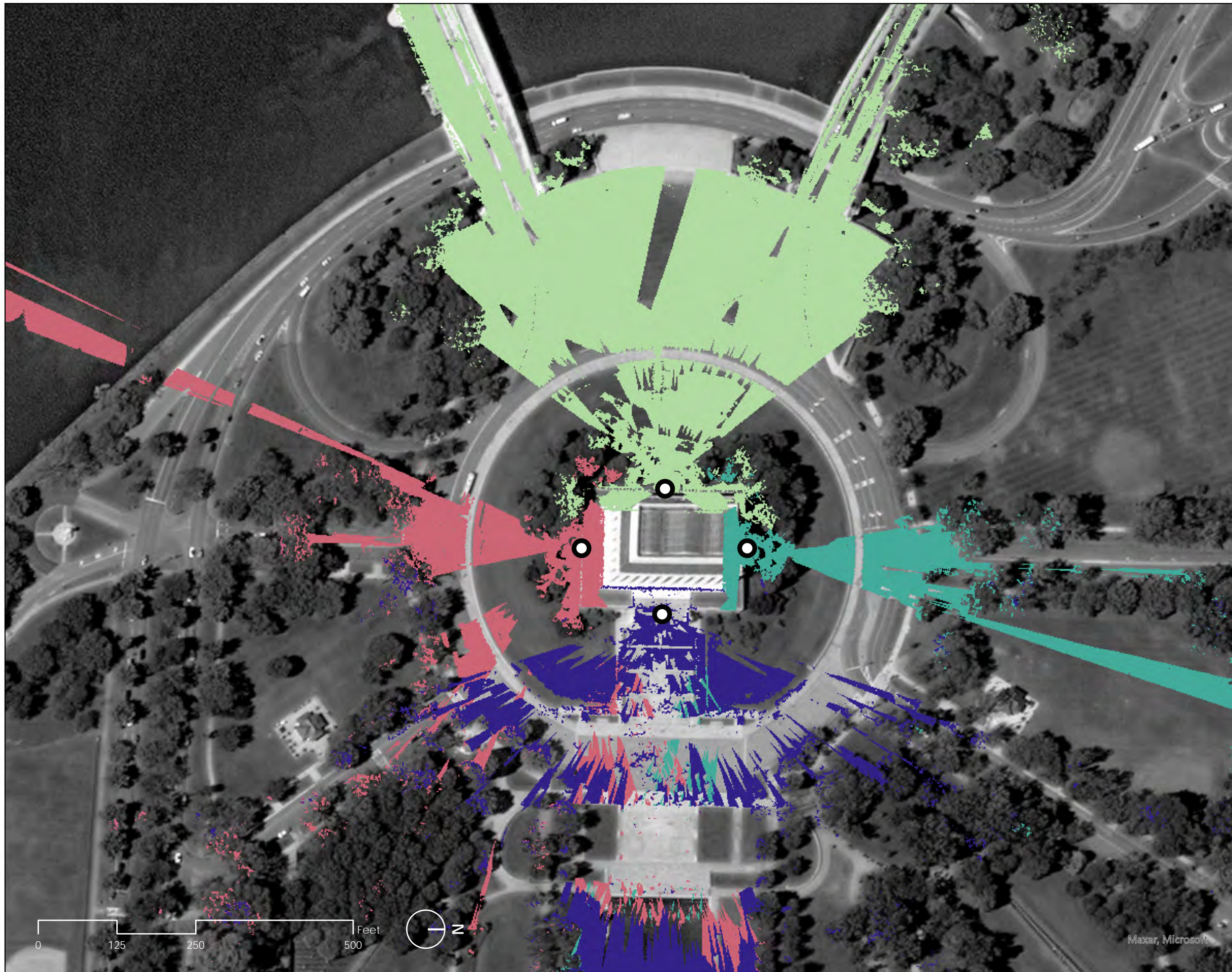
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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—Composite View
 from Lincoln Memorial Structure

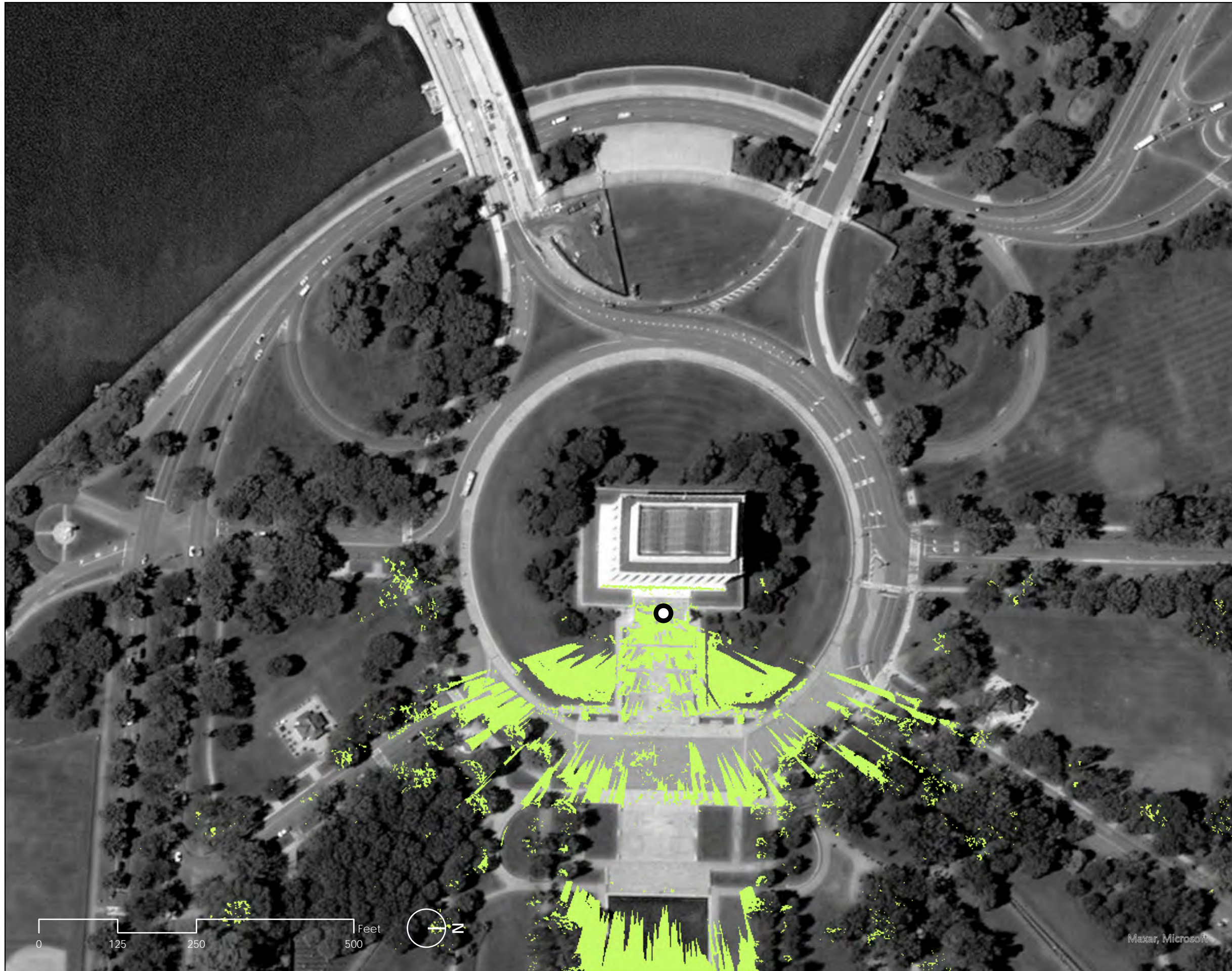


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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—View from East
 Side of Lincoln Memorial Structure



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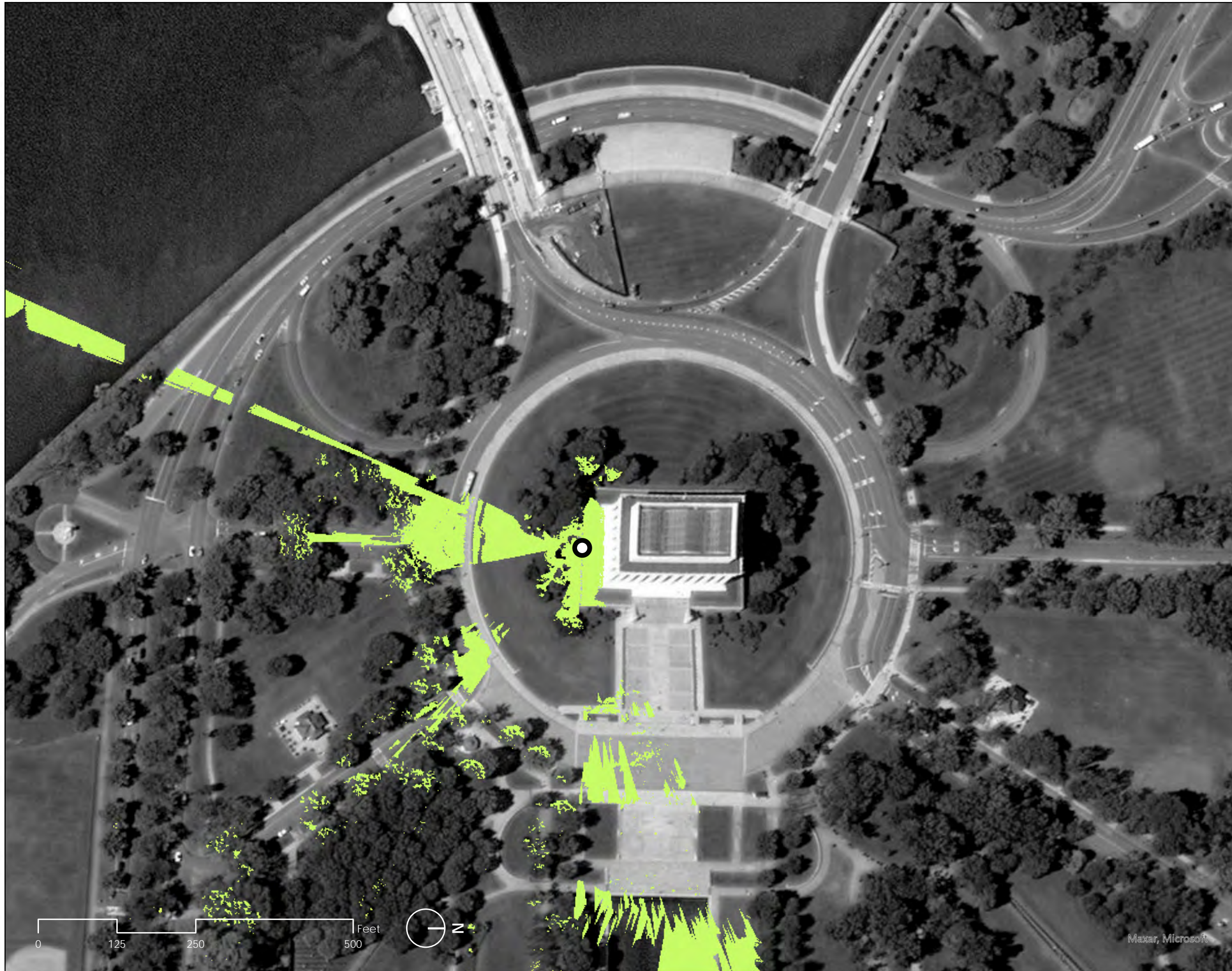
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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—View from South
 Side of Lincoln Memorial Structure

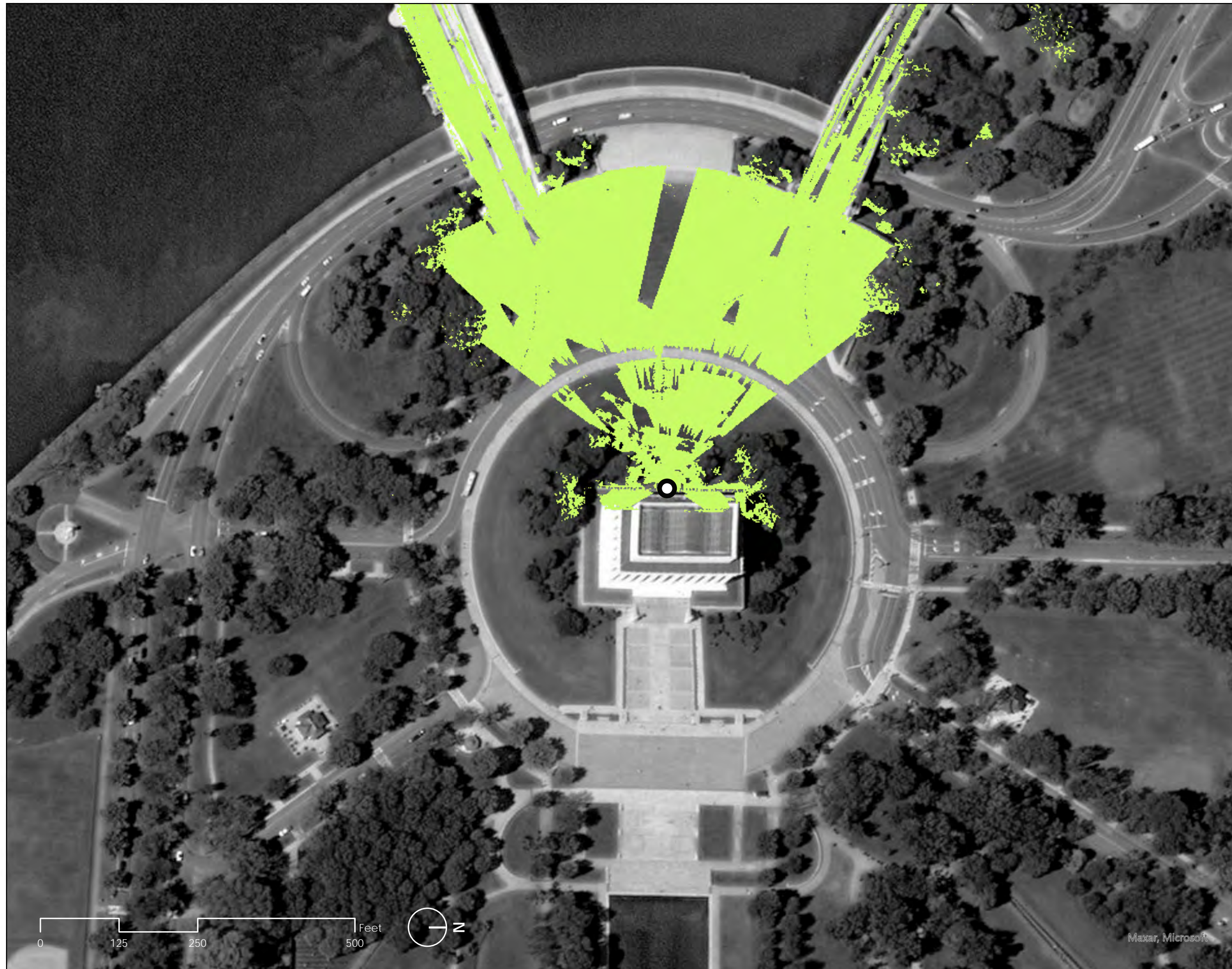


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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—View from West
 Side of Lincoln Memorial Structure

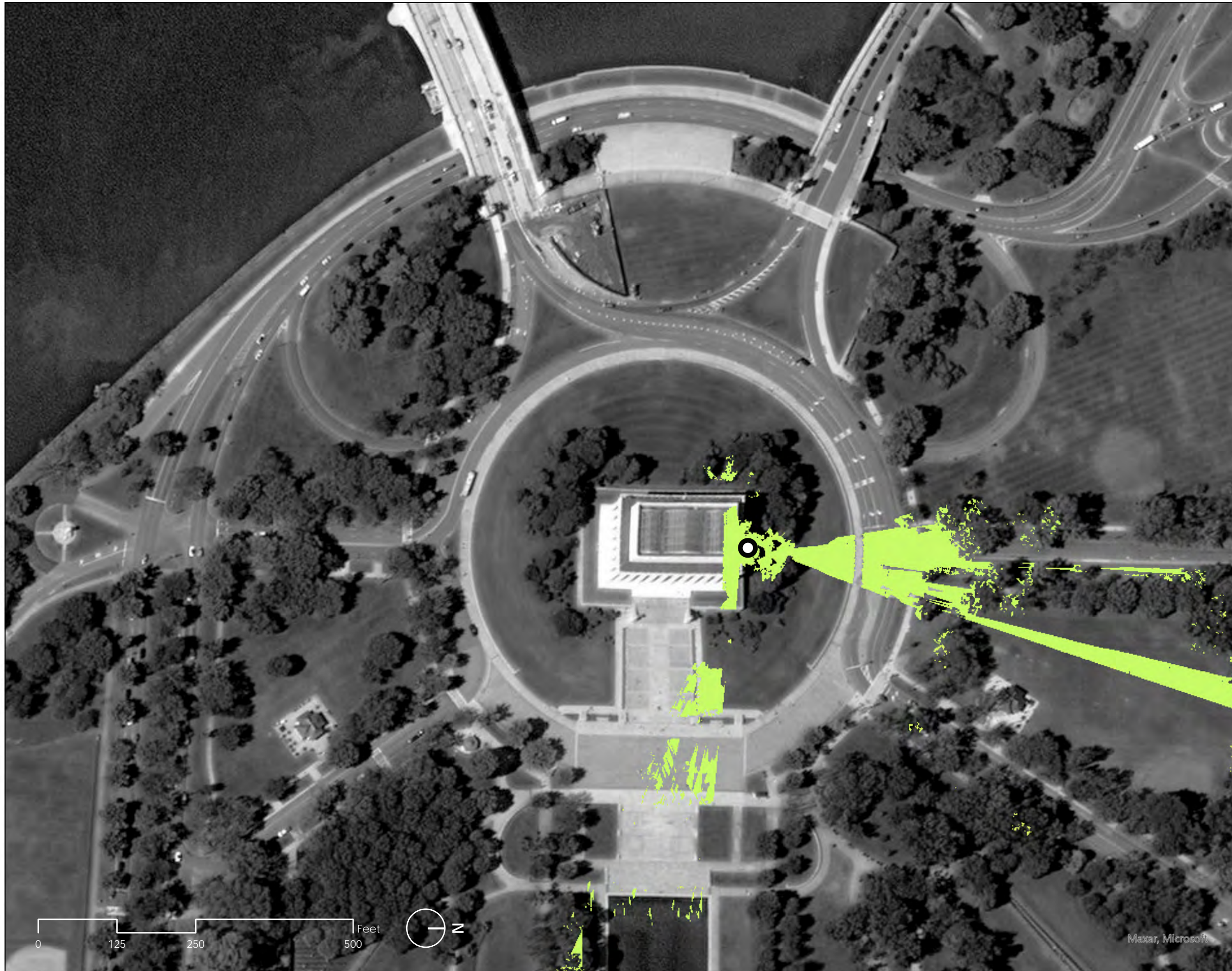


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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—View from North
 Side of Lincoln Memorial Structure

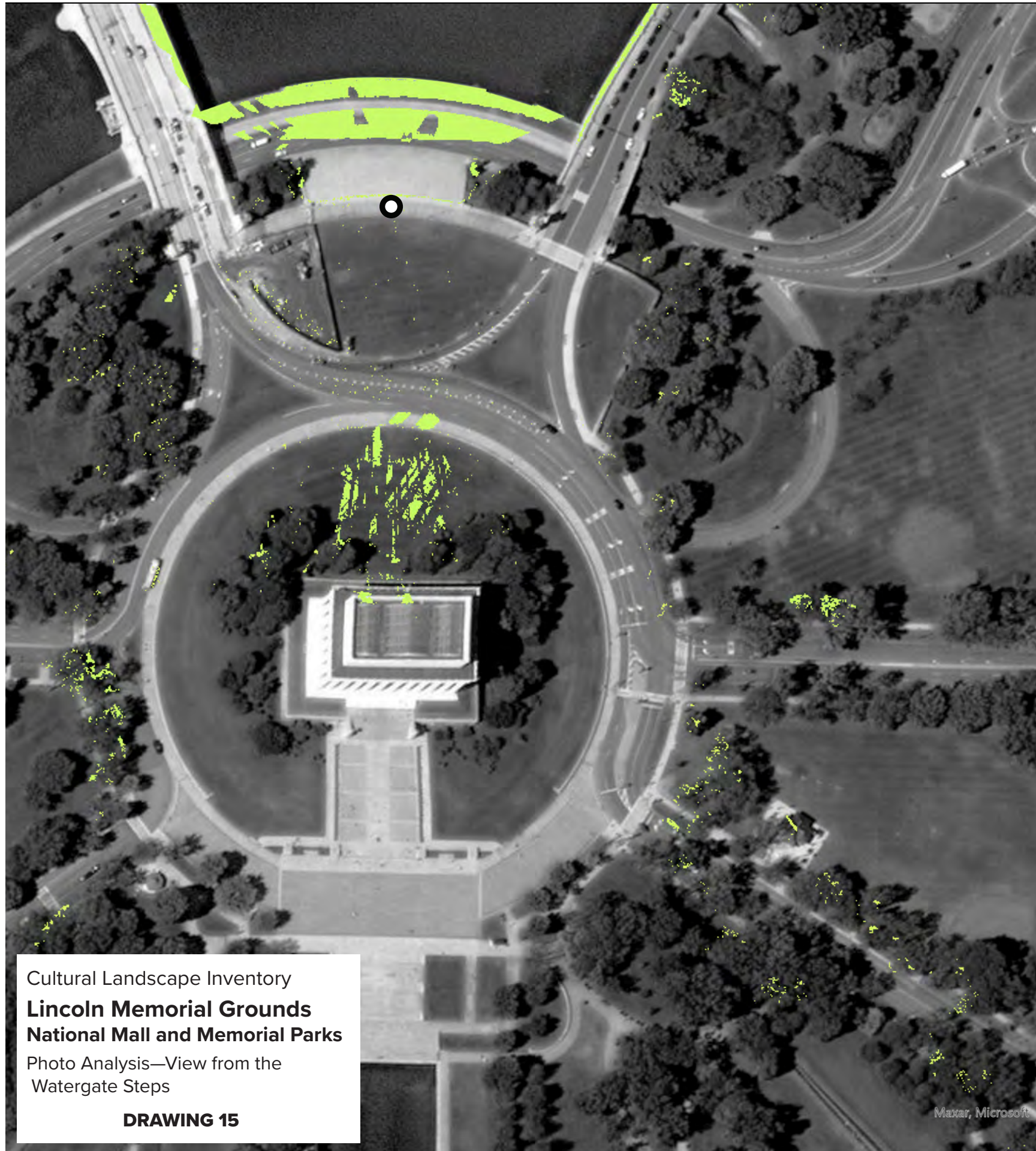


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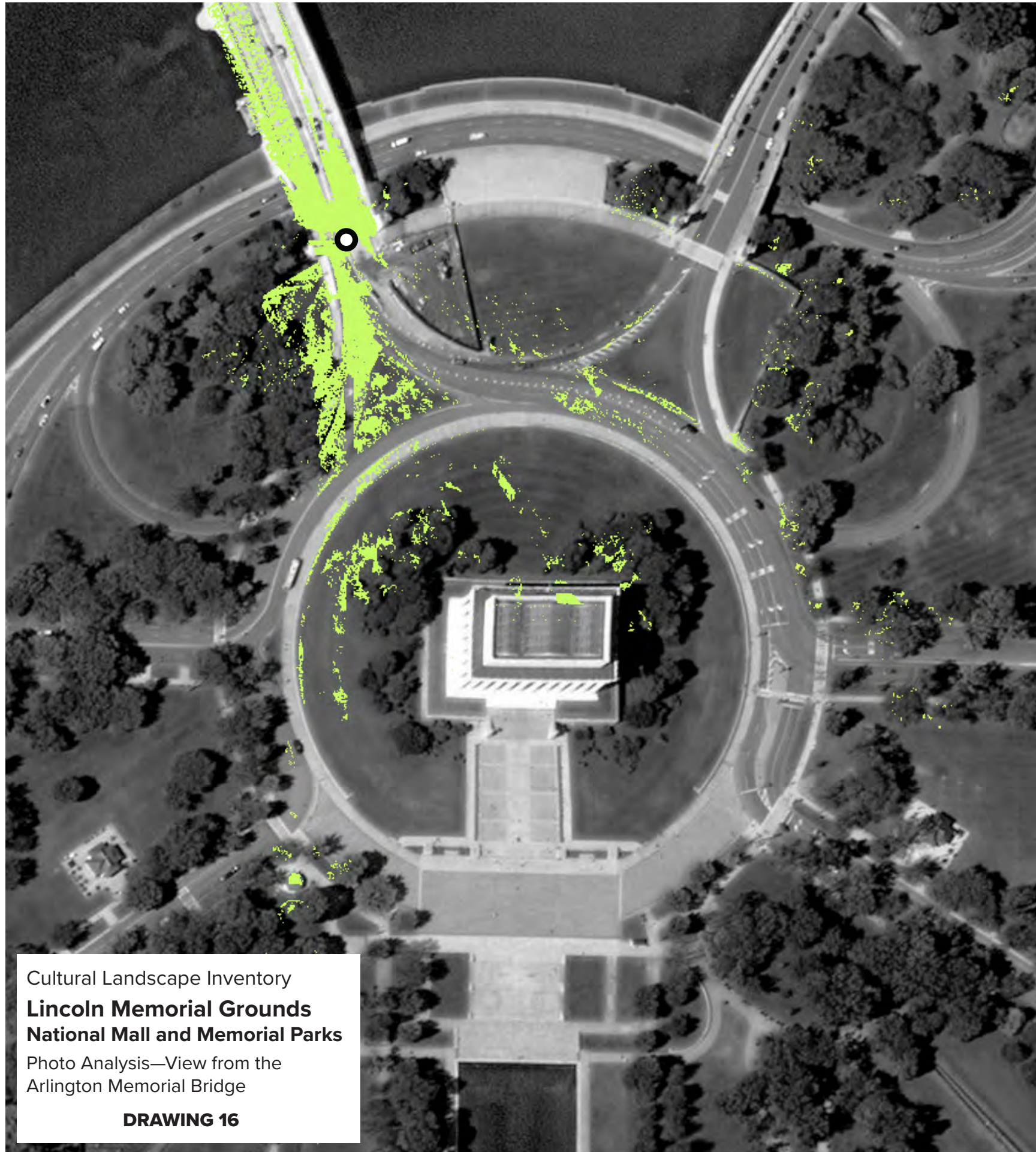
LEGEND
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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis—View from the
Watergate Steps

DRAWING 15





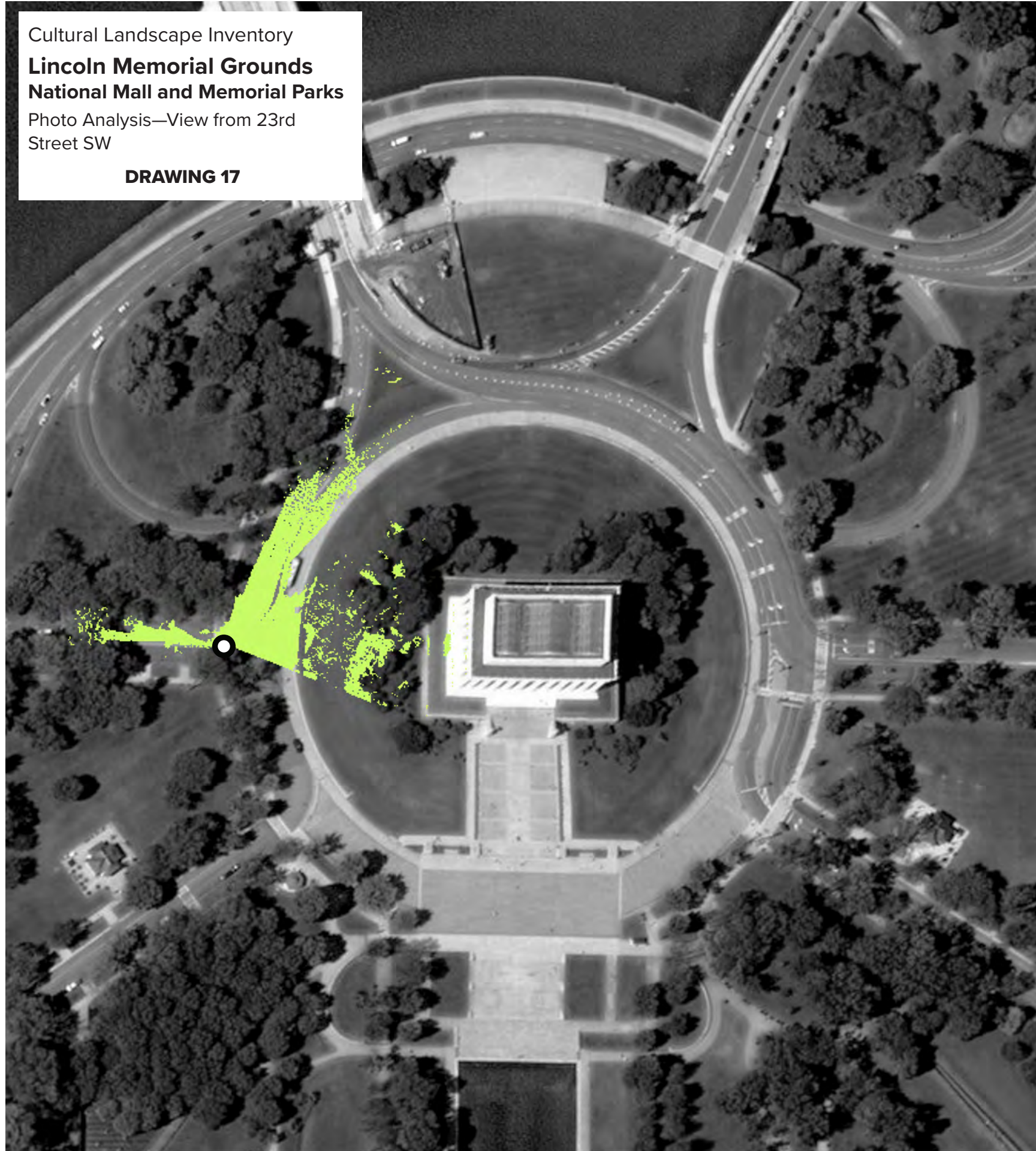
Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis—View from the
Arlington Memorial Bridge

DRAWING 16



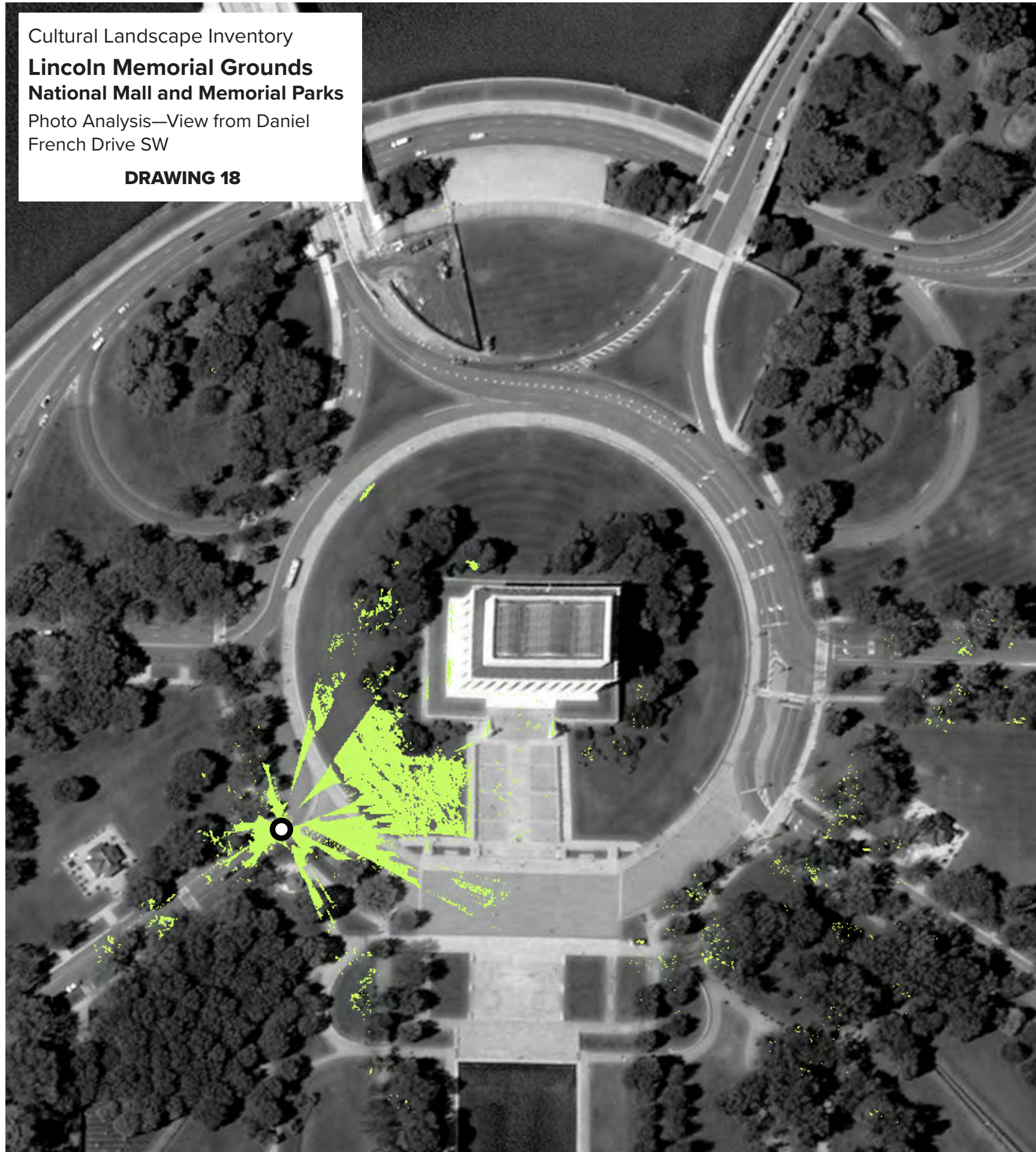
Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis—View from 23rd
Street SW

DRAWING 17

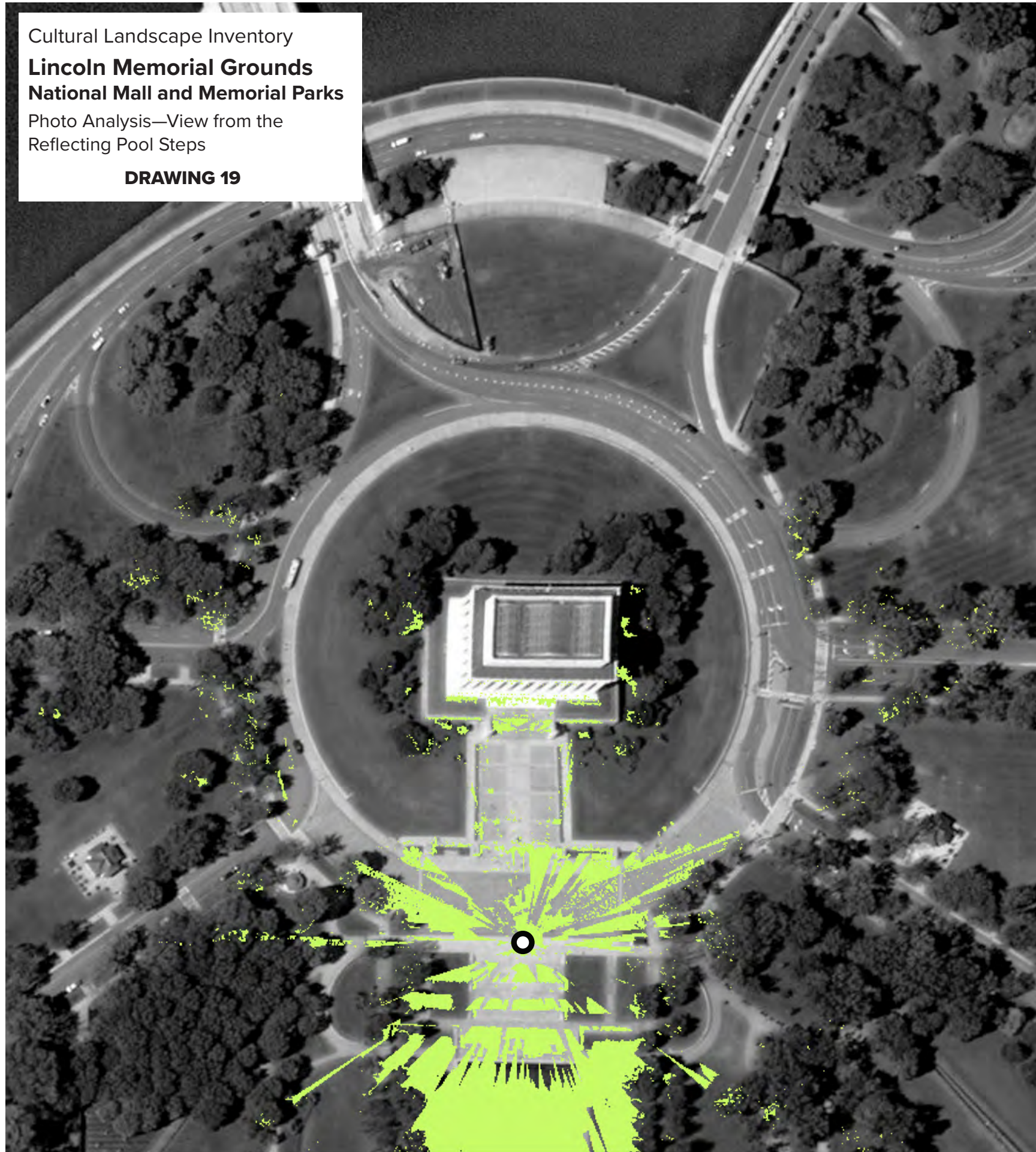


Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis—View from Daniel
French Drive SW

DRAWING 18

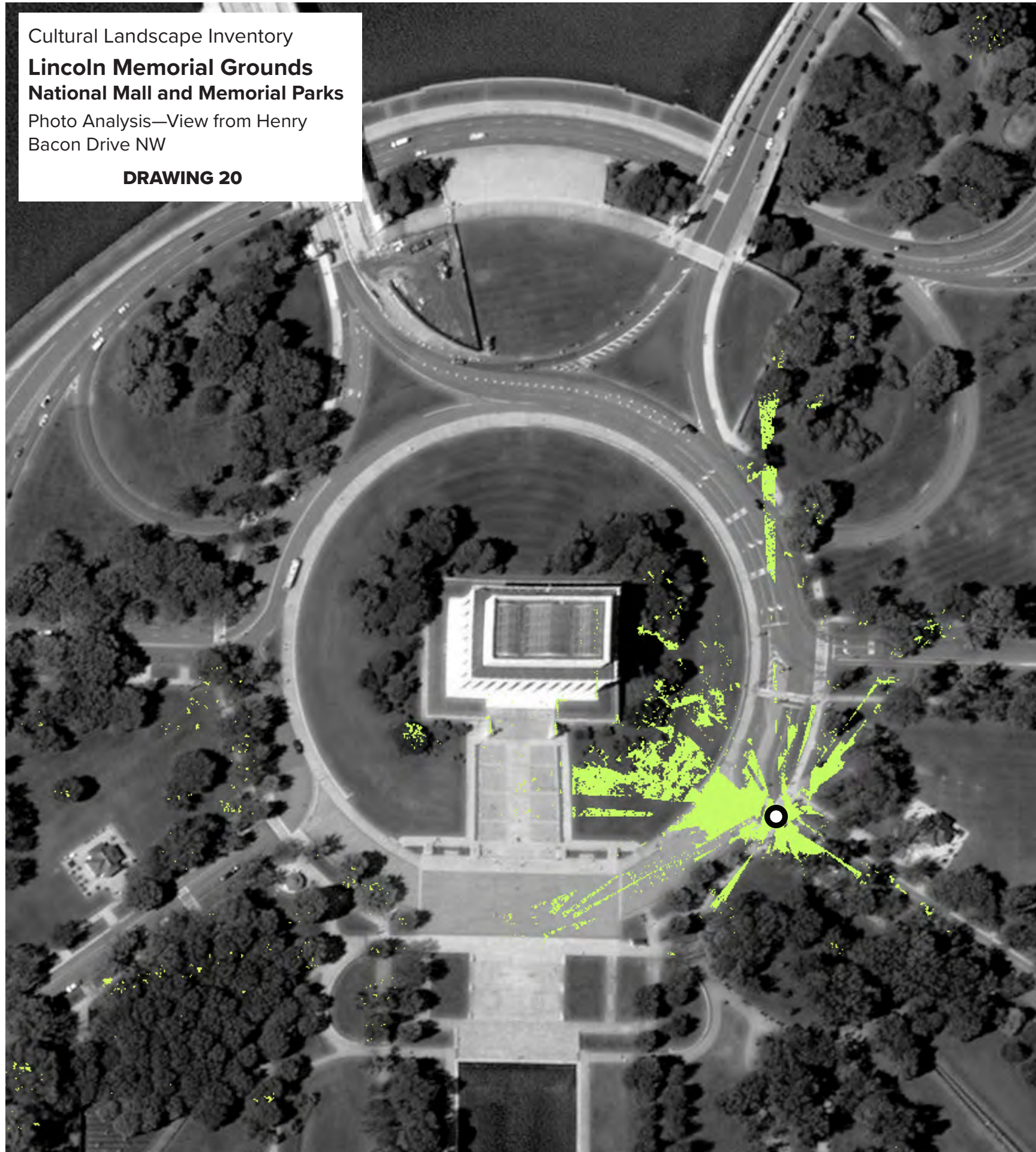


Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis—View from the
Reflecting Pool Steps
DRAWING 19



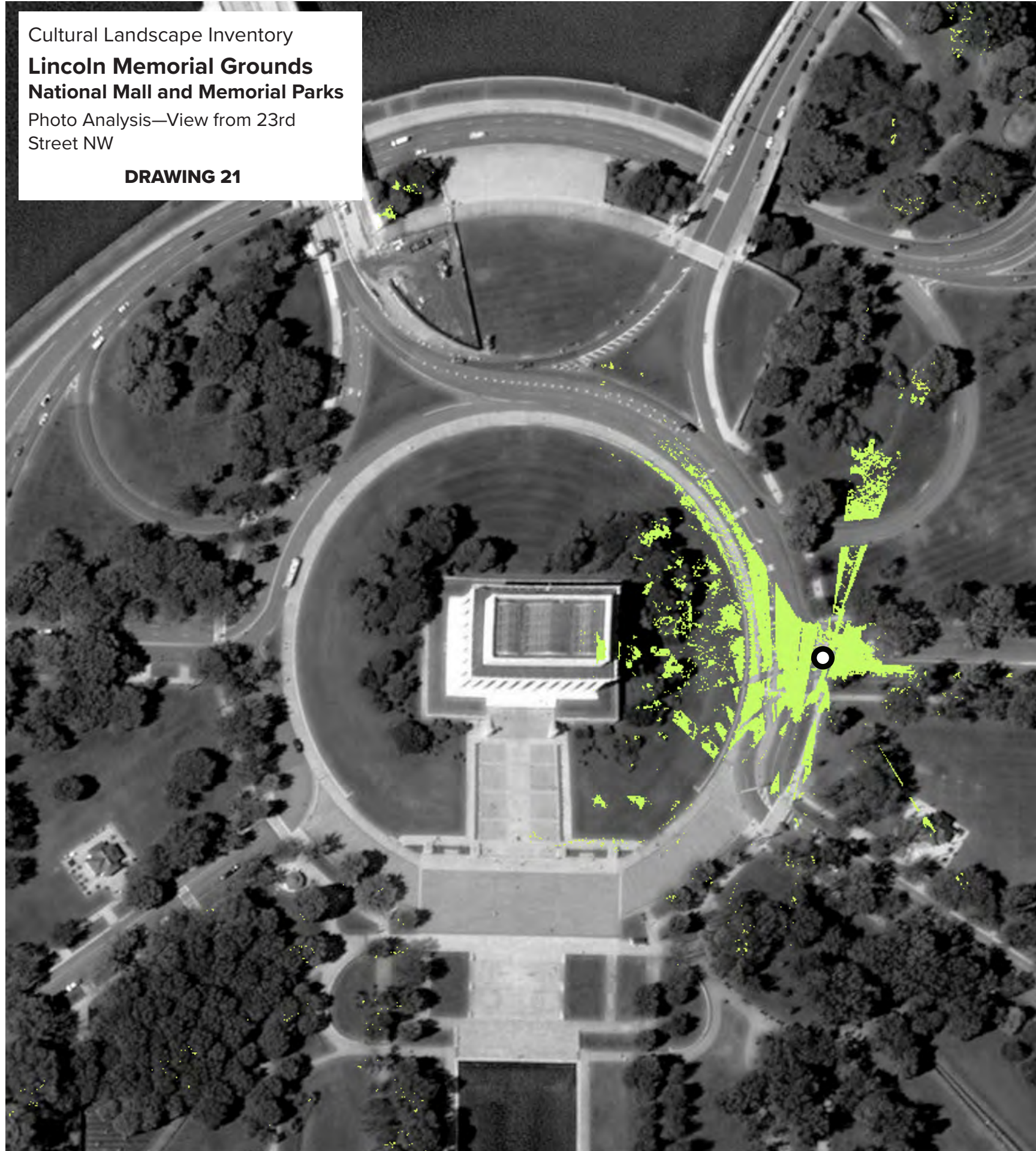
Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis—View from Henry
Bacon Drive NW

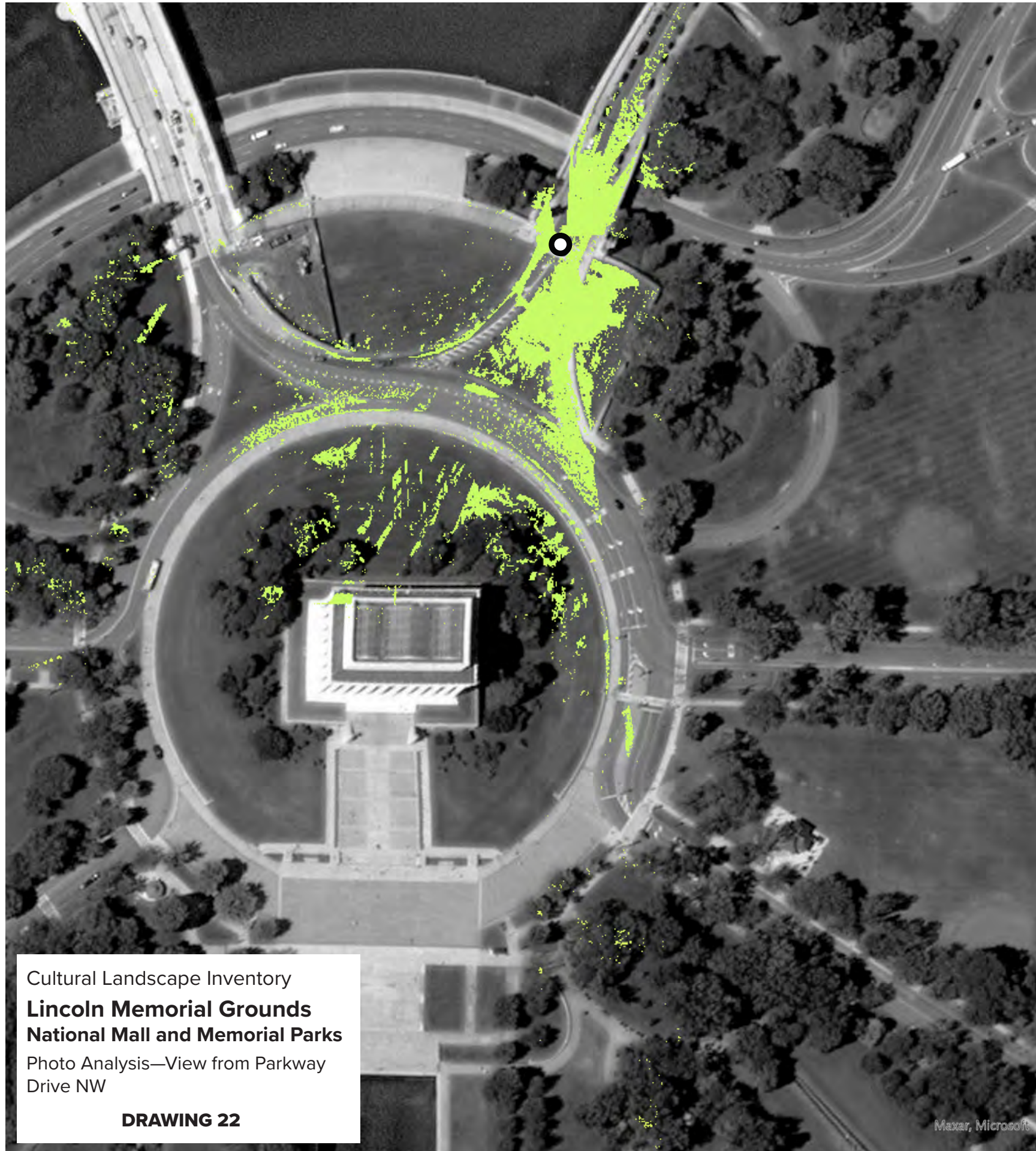
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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis—View from 23rd
Street NW

DRAWING 21





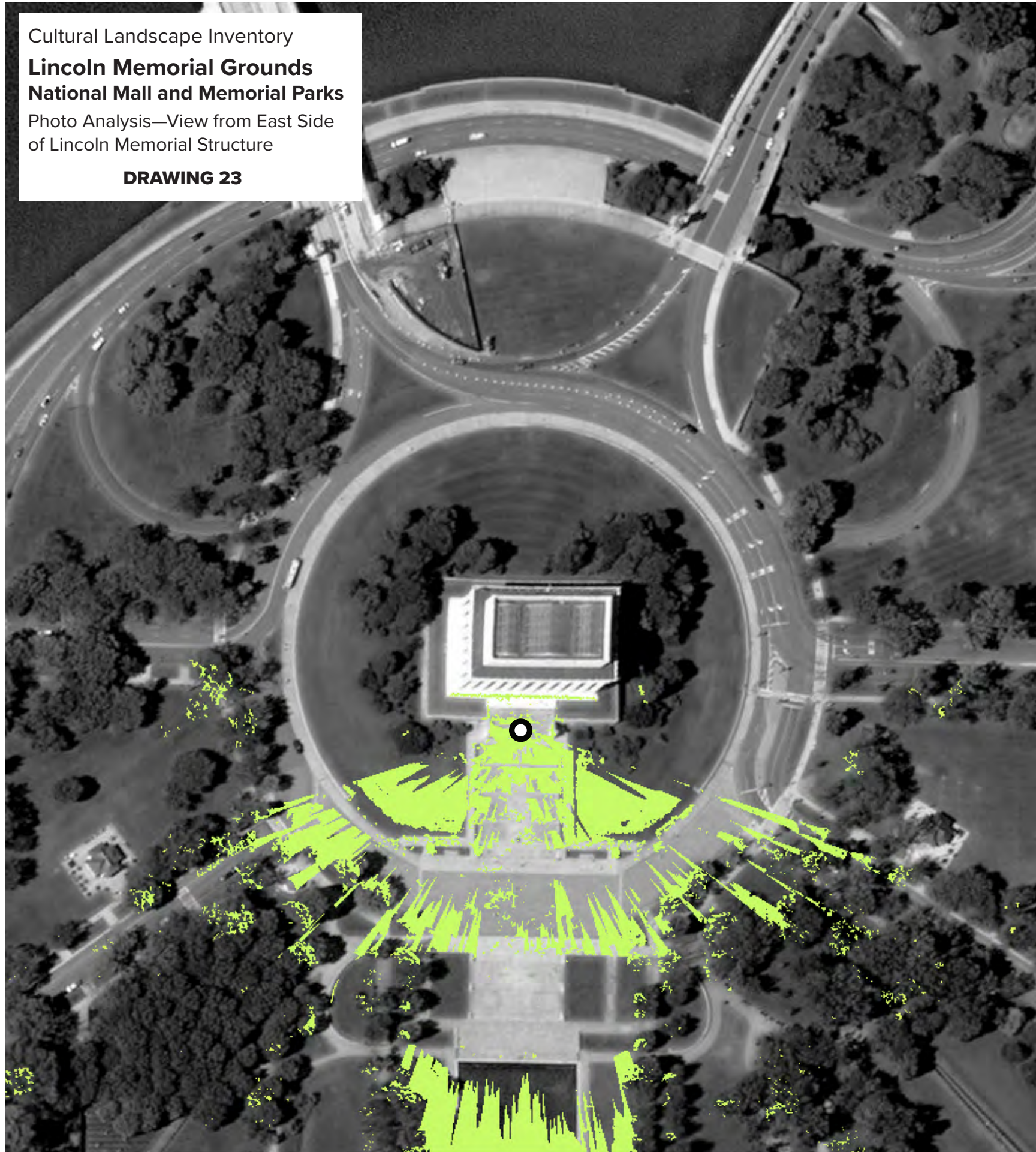
Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis—View from Parkway
Drive NW

DRAWING 22



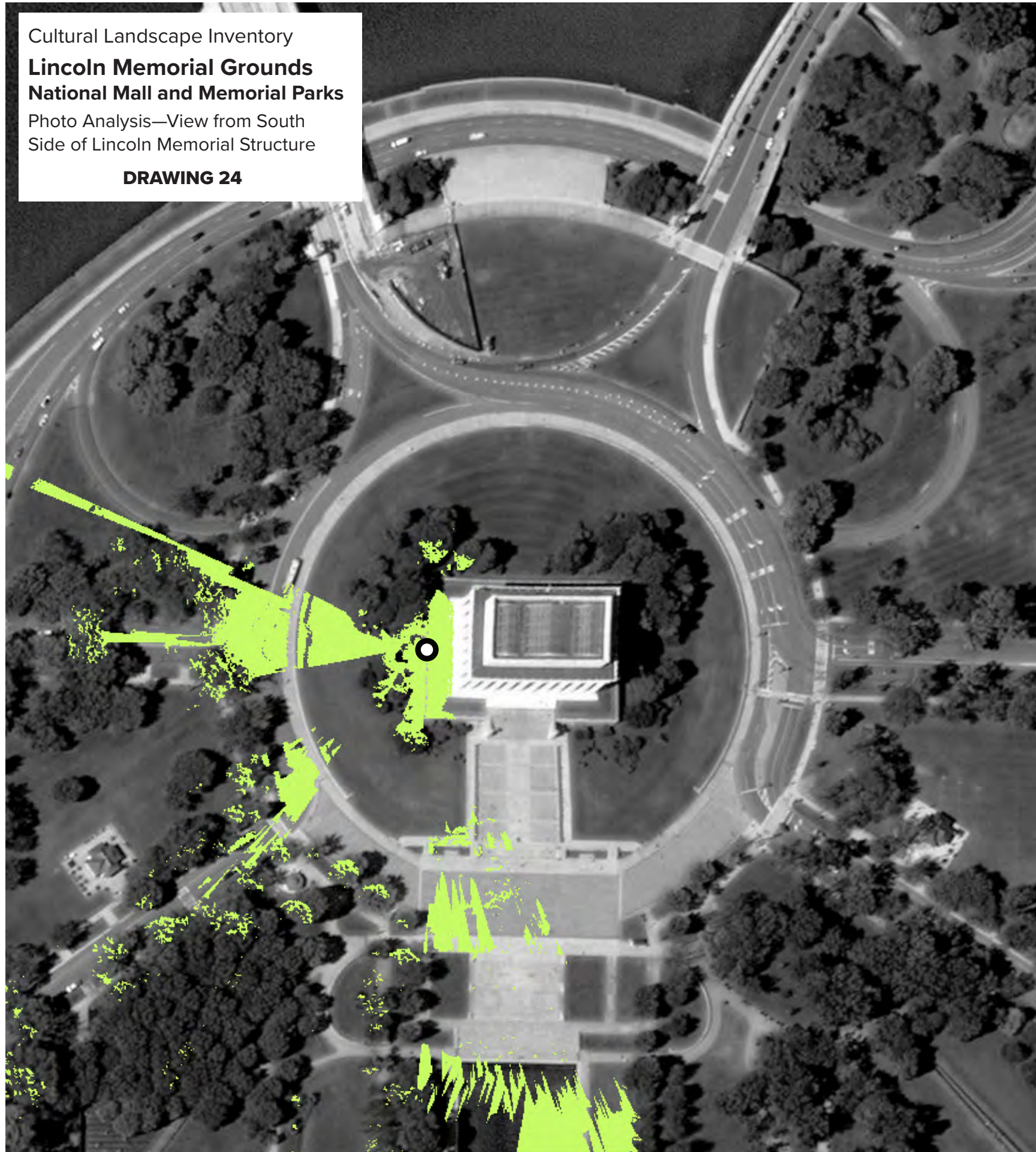
Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis—View from East Side
of Lincoln Memorial Structure

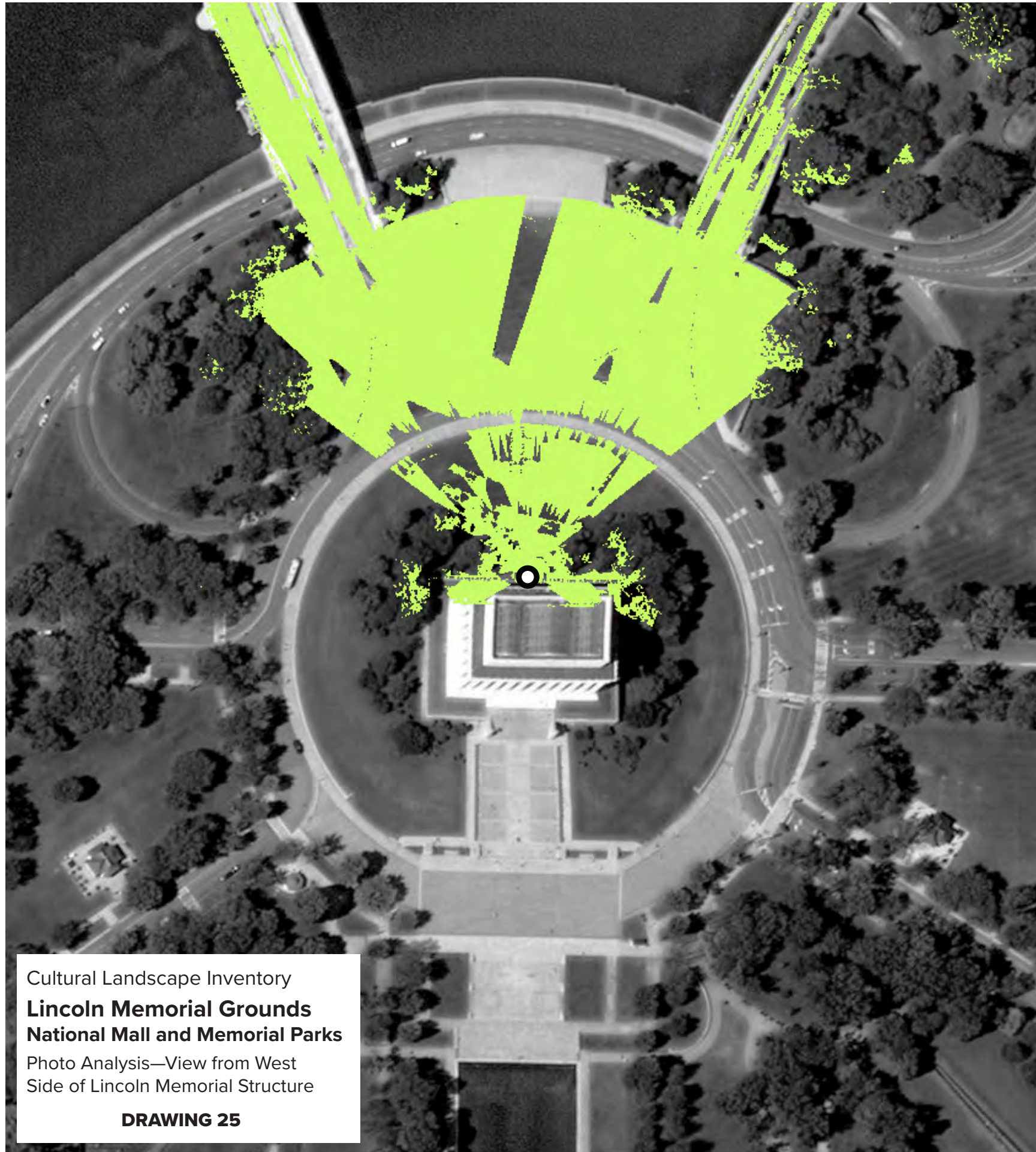
DRAWING 23



Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis—View from South
Side of Lincoln Memorial Structure

DRAWING 24





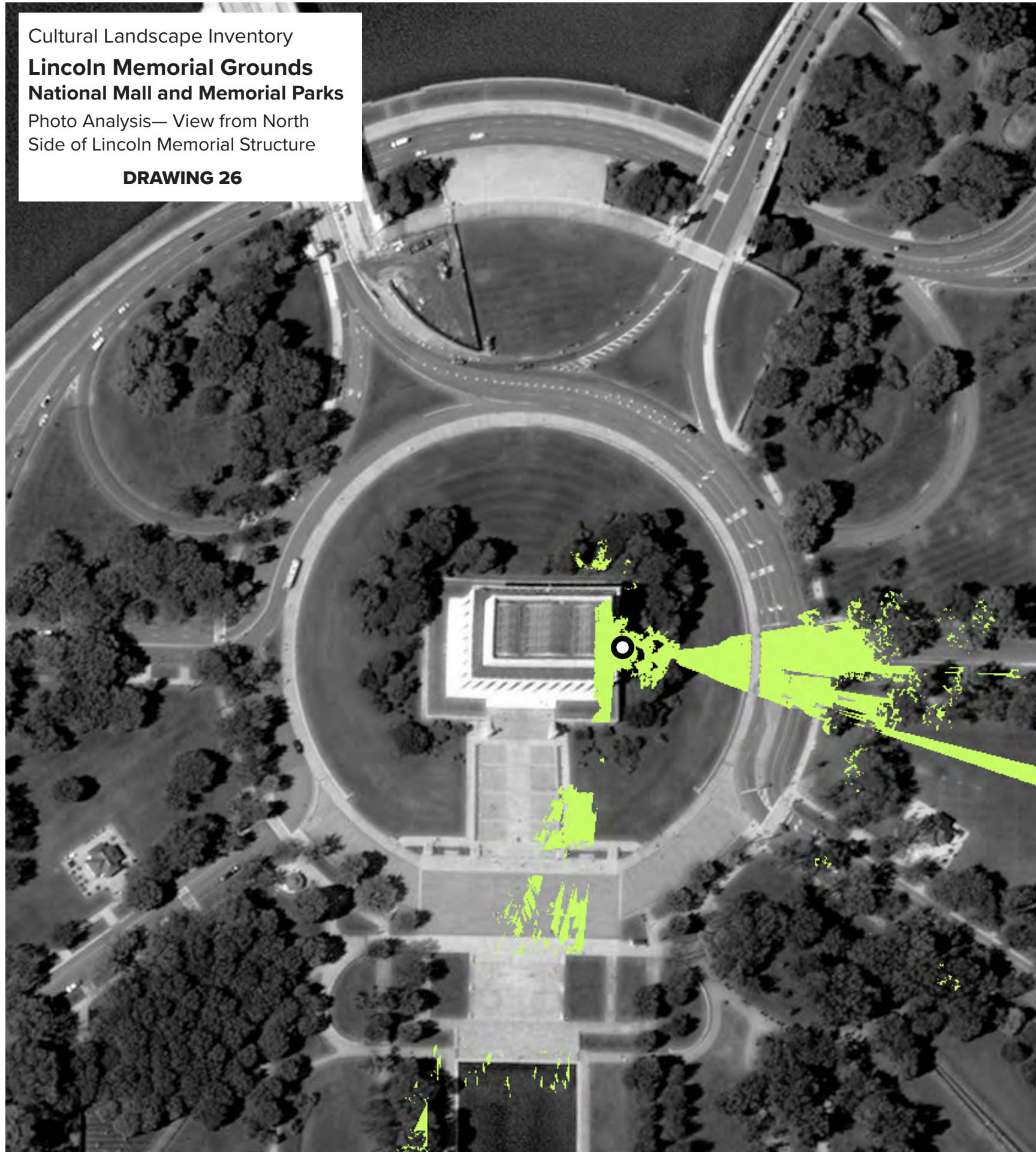
Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis—View from West
Side of Lincoln Memorial Structure

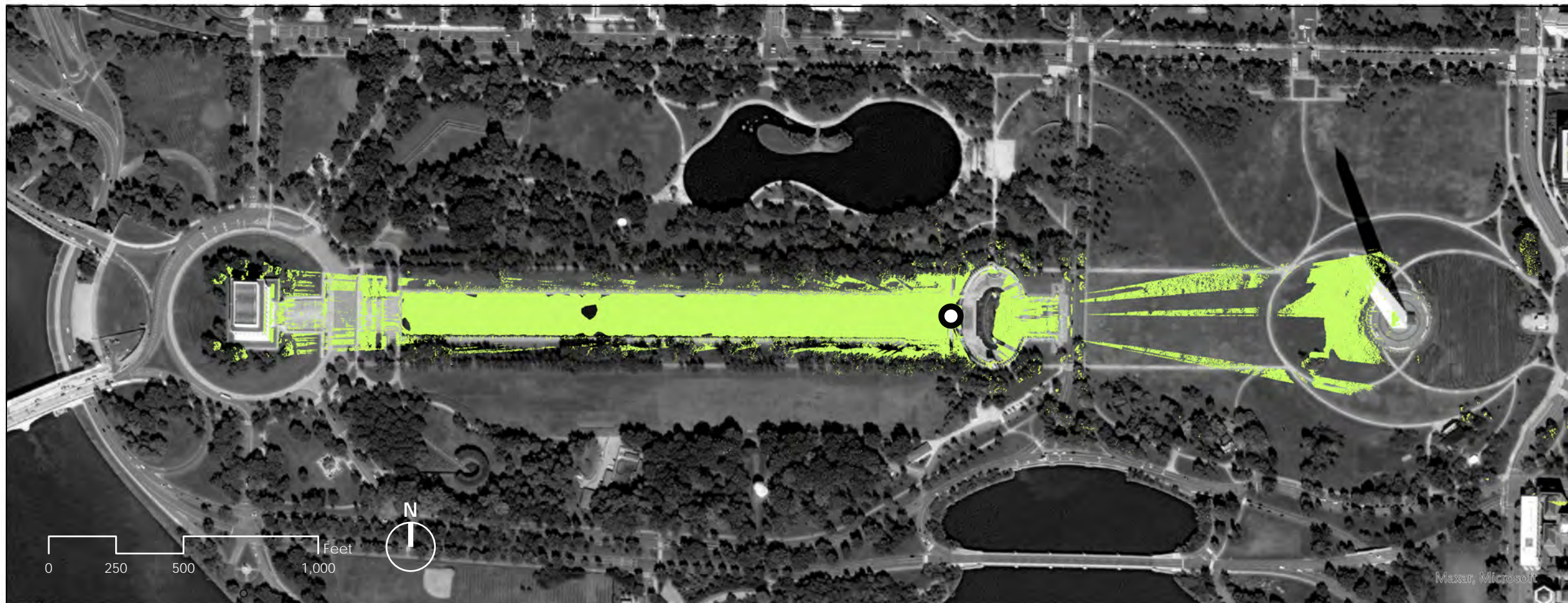
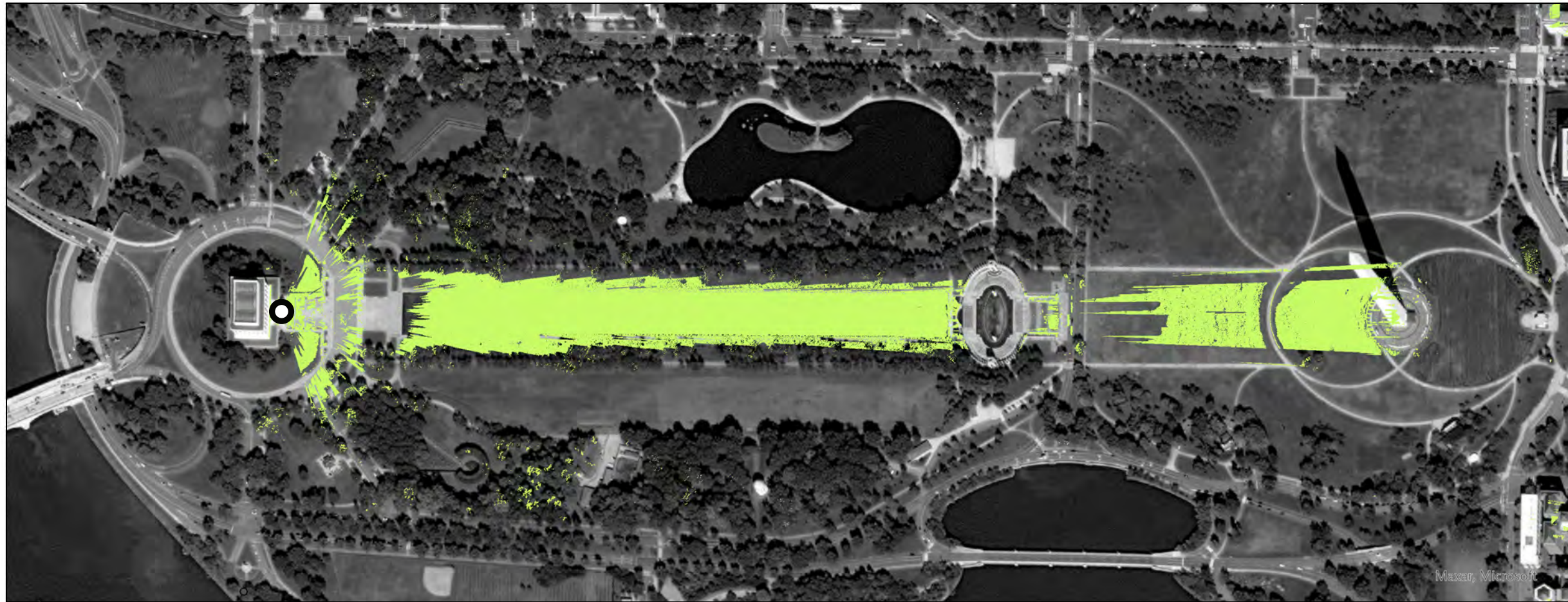
DRAWING 25



Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis— View from North
Side of Lincoln Memorial Structure

DRAWING 26





Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—Primary East-
 West Axis Across Reflecting Pool



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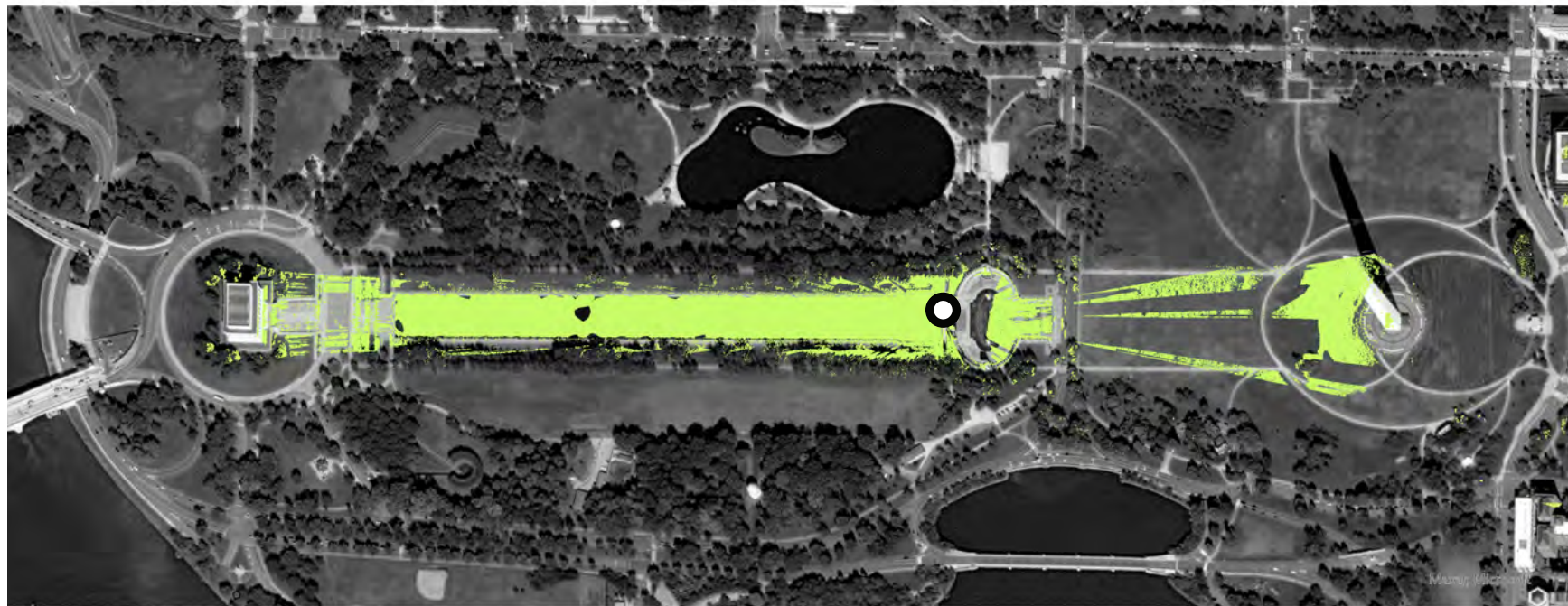
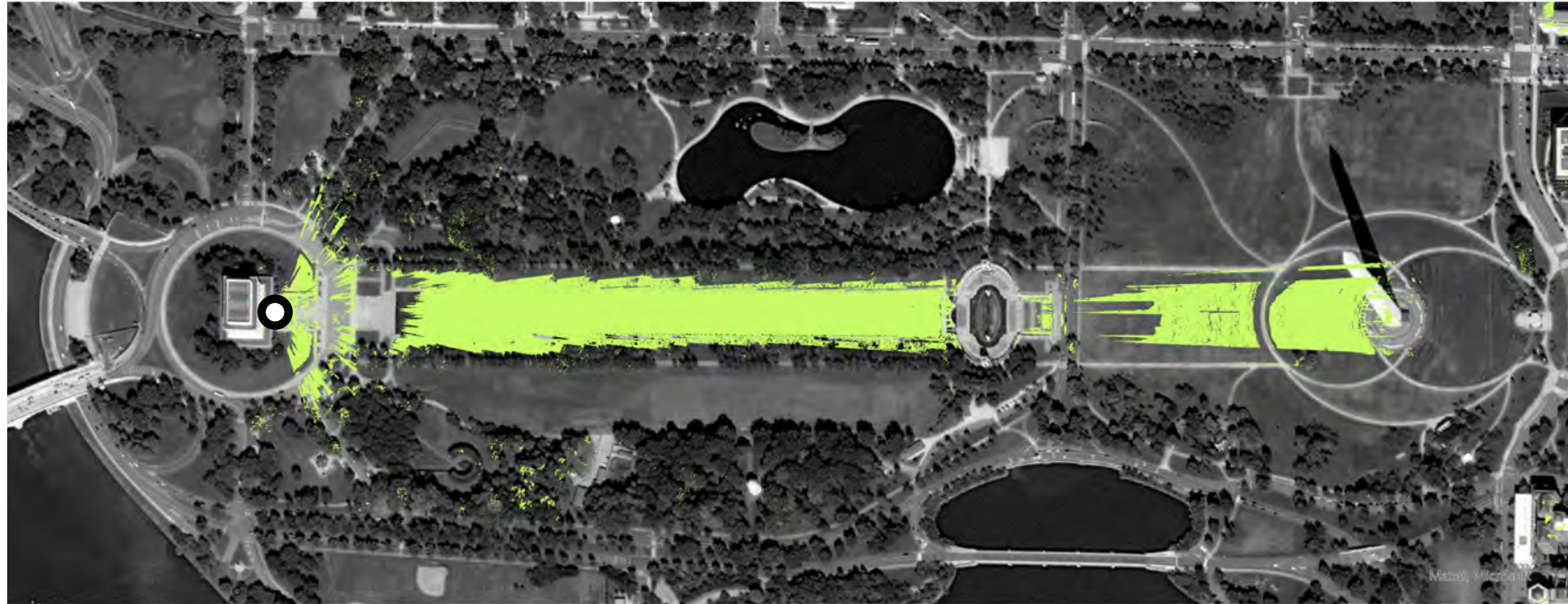
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Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
Photo Analysis— Primary East-West
Axis Across Reflecting Pool

DRAWING 28





Cultural Landscape Inventory
Lincoln Memorial Grounds
National Mall and Memorial Parks
 Viewshed Analysis—Long Bridge



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