



To: Town of Alfred – Janice Burdick

From: Bergmann – Rita Kozak

Date: August 30, 2021

Re: NY Alfred I, LLC – 5568 Jericho Hill Road Solar Project –
Tree Inventory

At the Town of Alfred Town Board meeting on Thursday August 12, 2021, the Town Board requested that our team provide a tree inventory of the proposed tree clearing area associated with the 5568 Jericho Hill Road Solar Project ("Project") proposed by NY Alfred I, LLC. The Town of Alfred's Town Code states that "removal of existing trees larger than 6 inches in diameter should be minimized to the extent possible". The purpose of the inventory was to determine the extent to which trees greater than six inches (6") at diameter breast height (dbh) occur within the proposed tree clearing area and to note general forest characteristics and species composition. The proposed tree clearing area totals approximately ten (10) acres.

The tree survey was performed at the Project site on Tuesday, August 24, 2021, by Bergmann ecologists. Five (5), one-half acre sample plots were randomly chosen within the overall tree clearing area. Each sample plot was surveyed for trees six inches (6") greater in dbh within the sample plot. When encountered, the tree was identified by species, and a measurement of the dbh was recorded, and the tree located with a GPS received for mapping purposes.

Within Sample Plot 1, eighty-two (82) individual trees greater than 6" dbh were identified. Of the recorded individuals, dbh ranged from 6" to 23.5" with an average of 10.7". Species recorded at 6" dbh or greater included American beech (*Fagus grandifolia*), American hophornbeam (*Ostrya virginiana*), black cherry (*Prunus serotina*), sugar maple (*Acer saccharum*) and white ash (*Fraxinus americana*). Although trees less than 6" dbh were not formally identified or recorded, some trees were observed to range between approximately 3" dbh to 5.5" dbh within Sample Plot 1. Please refer to Figure 2 for the locations of the recorded trees.

Within Sample Plot 2, eighty-six (86) individual trees greater than 6" dbh were identified. Of the recorded individuals, dbh ranged from 6" to 25" with an average of 9.9". Species recorded at 6" dbh or greater included American beech, American hophornbeam, black cherry, sugar maple and white ash. Although trees less than 6" dbh were not formally identified or recorded, some trees were observed to range between approximately 3" dbh to 5.5" dbh within Sample Plot 2. Please refer to Figure 3 for the locations of the recorded trees.

Within Sample Plot 3, eighty-nine (89) individual trees greater than 6" dbh were identified. Of the recorded individuals, dbh ranged from 6" to 23" with an average of 10.1". Species recorded at 6" dbh or greater included, American basswood (*Tilia americana*), American beech, American hophornbeam, black cherry, sugar maple and white ash. Although trees less than 6" dbh were not formally identified or recorded, some trees were observed to range between approximately 3" dbh to 5.5" dbh within Sample Plot 3. Please refer to Figure 4 for the locations of the recorded trees.

Within Sample Plot 4, eighty-six (86) individual trees greater than 6" dbh were identified. Of the recorded individuals, dbh ranged from 6" to 20" with an average of 10.2". Species recorded at 6" dbh or greater included American basswood, American beech, American hophornbeam, black cherry, sugar maple and white ash. Although



trees less than 6" dbh were not formally identified or recorded, some trees were observed to range between approximately 3" dbh to 5.5" dbh within Sample Plot 4. Please refer to Figure 5 for the locations of the recorded trees.

Within Sample Plot 5, one hundred (100) individual trees greater than 6" dbh were identified. Of the recorded individuals, dbh ranged from 6" to 17" with an average of 9.2". Species recorded at 6" dbh or greater included American basswood, American beech, American hophornbeam, black cherry, sugar maple and white ash. Although trees less than 6" dbh were not formally identified or recorded, some trees were observed to range between approximately 3" dbh to 5.5" dbh within Sample Plot 5. Please refer to Figure 6 for the locations of the recorded trees.

Conclusion

A total of 2.5 acres of the total tree clearing area was surveyed for trees 6" dbh or larger to assess the extent of large trees at the Project. Trees with a dbh of 6" or greater located within each sample plot of the proposed tree clearing area are illustrated in the attached figures.

Delaware River Solar 5568 Jericho Hill Road Solar Farm Project

TREE INVENTORY
MAP

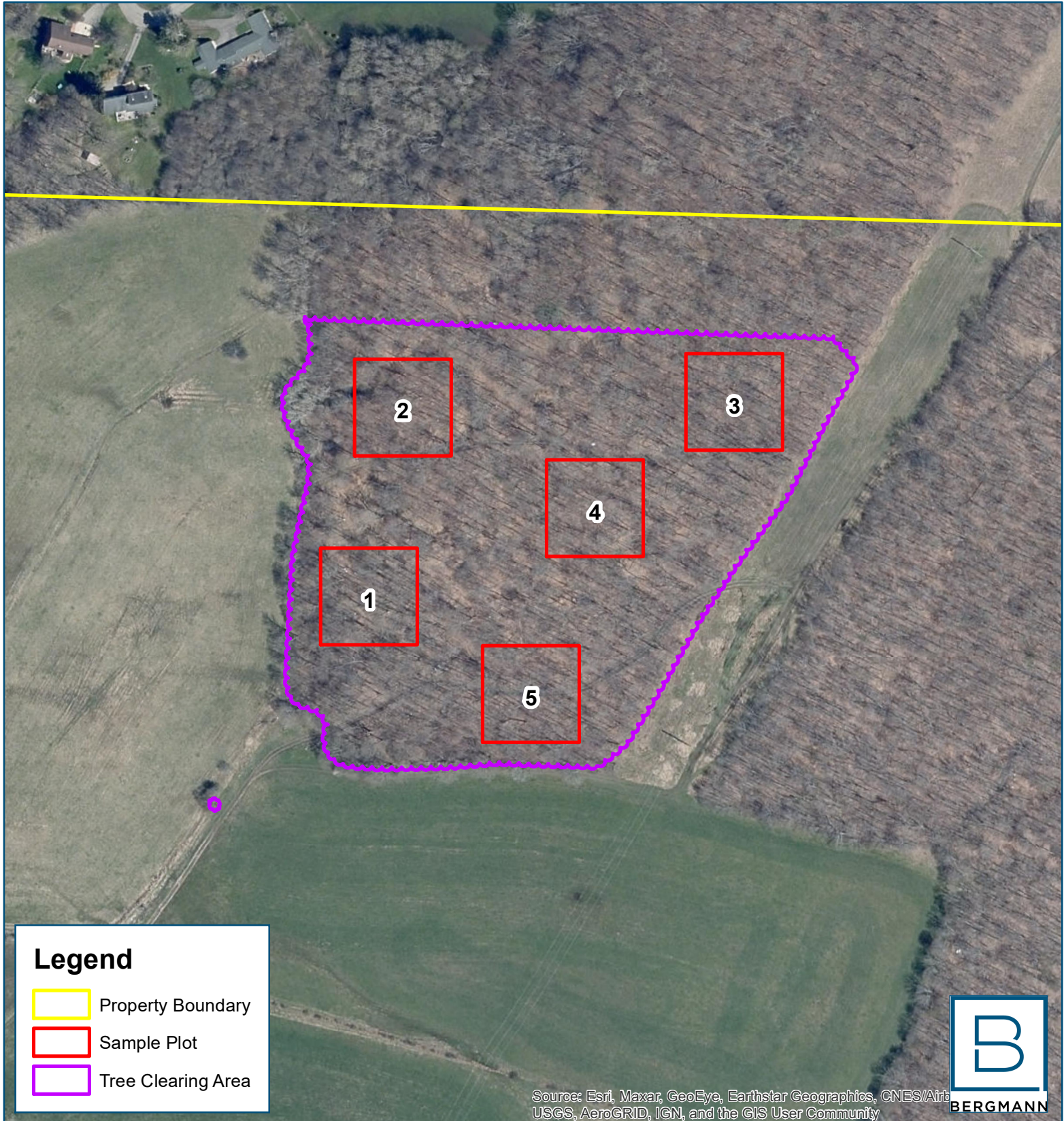
Fig. 1

200

Feet



Town of Alfred, Allegany County, New York



Legend

-  Property Boundary
-  Sample Plot
-  Tree Clearing Area

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus, USGS, AeroGRID, IGN, and the GIS User Community



Delaware River Solar 5568 Jericho Hill Road Solar Farm Project

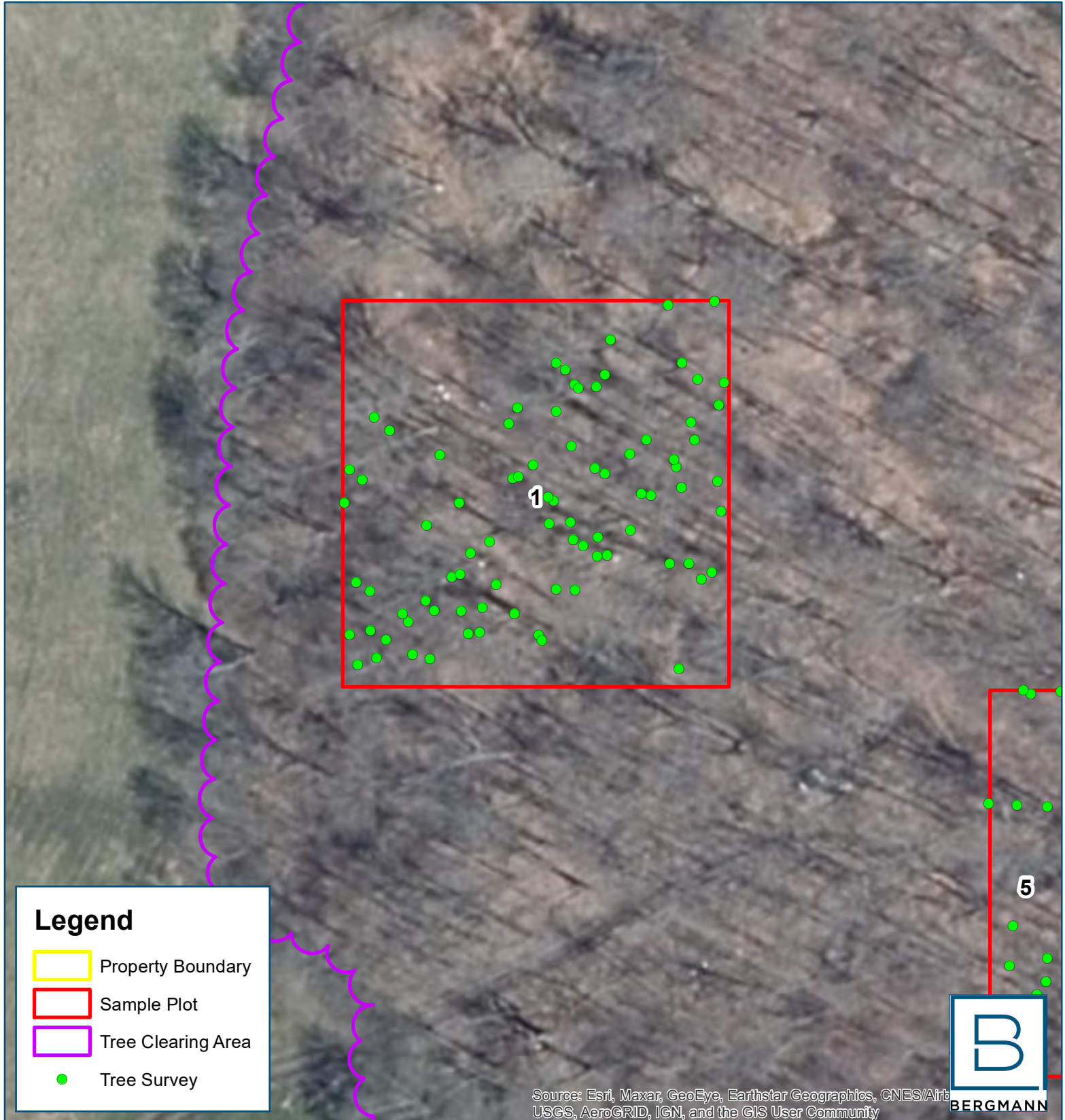
TREE INVENTORY
MAP
(SAMPLE PLOT 1)

Fig. 2

50
Feet



Town of Alfred, Allegany County, New York



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus
USGS, AeroGRID, IGN, and the GIS User Community



Delaware River Solar 5568 Jericho Hill Road Solar Farm Project

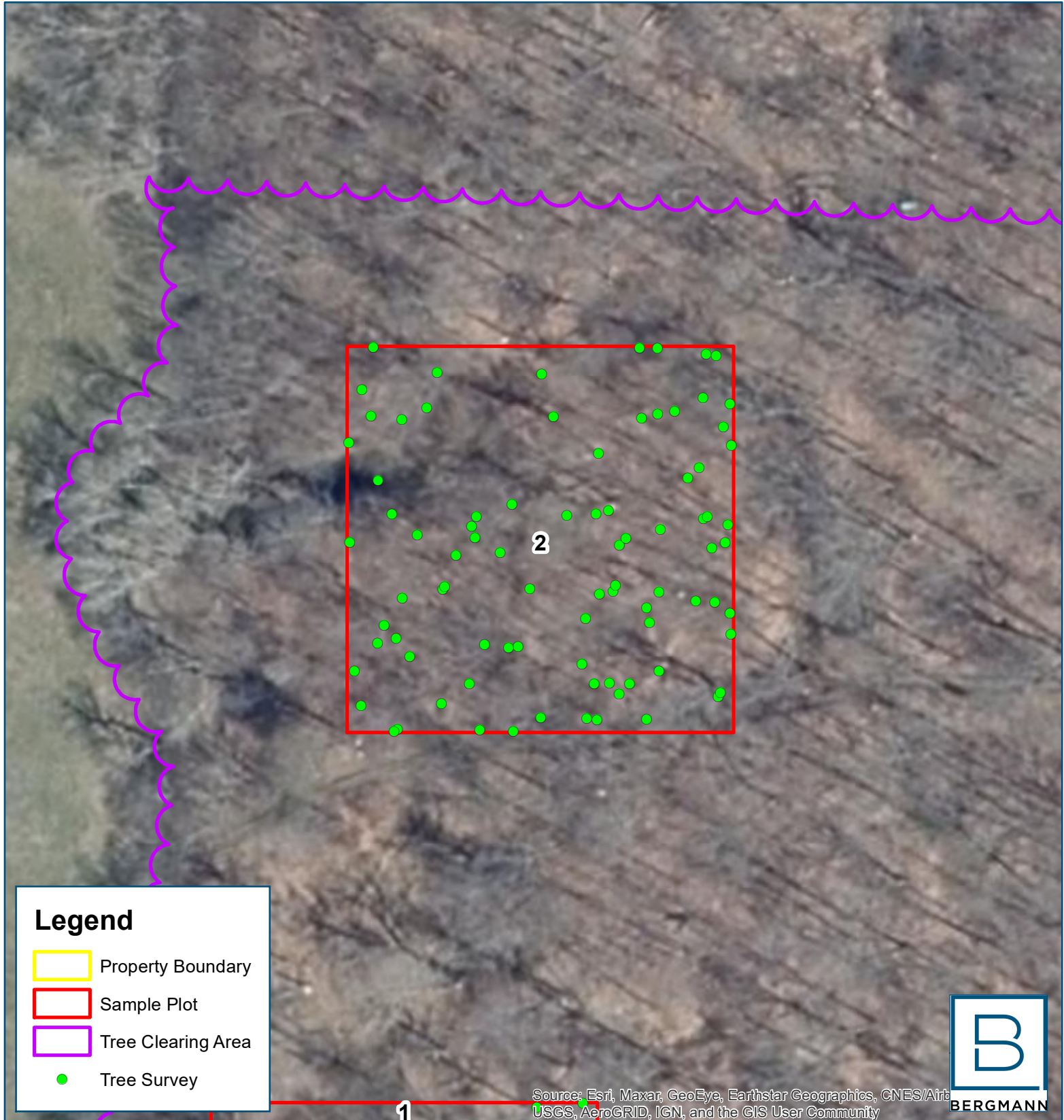
TREE INVENTORY
MAP
(SAMPLE PLOT 2)

Fig. 3

50
Feet



Town of Alfred, Allegany County, New York



Delaware River Solar 5568 Jericho Hill Road Solar Farm Project

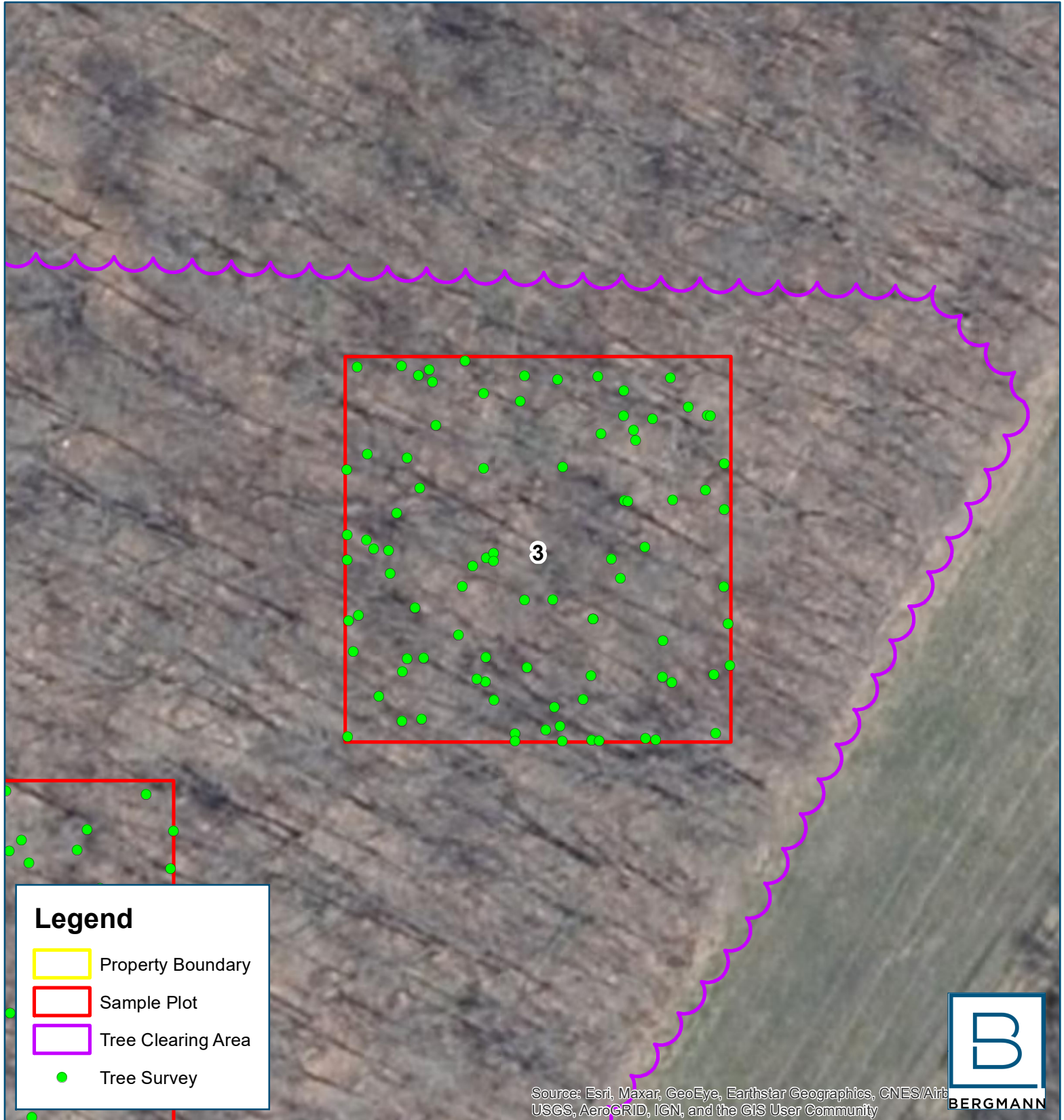
TREE INVENTORY
MAP
(SAMPLE PLOT 3)

Fig. 4

50
Feet



Town of Alfred, Allegany County, New York



Delaware River Solar 5568 Jericho Hill Road Solar Farm Project

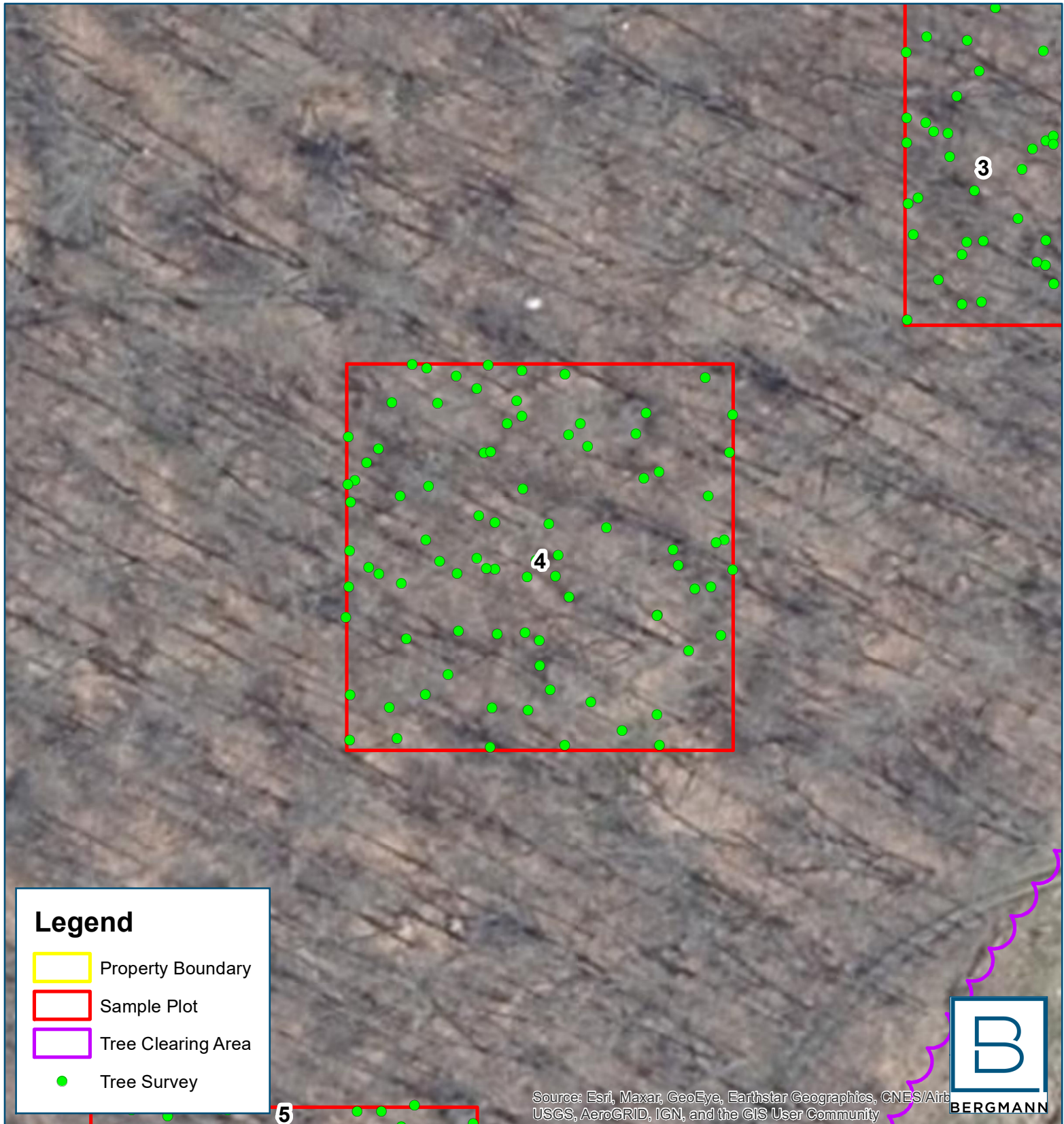
TREE INVENTORY
MAP
(SAMPLE PLOT 4)

Fig. 5

50
Feet



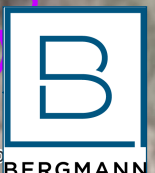
Town of Alfred, Allegany County, New York



Legend

-  Property Boundary
-  Sample Plot
-  Tree Clearing Area
-  Tree Survey

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus, USGS, AeroGRID, IGN, and the GIS User Community



Delaware River Solar 5568 Jericho Hill Road Solar Farm Project

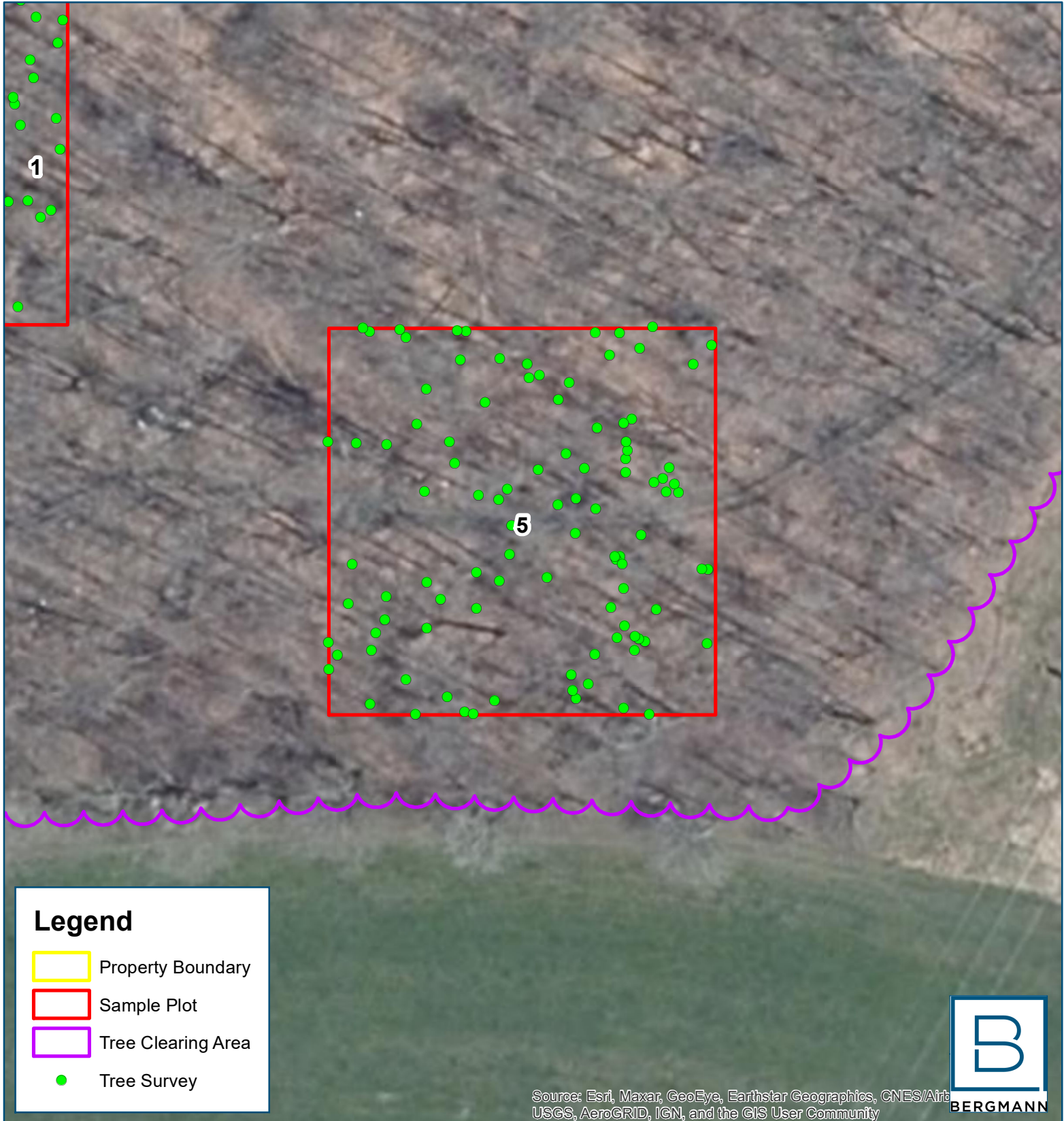
TREE INVENTORY
MAP
(SAMPLE PLOT 5)

Fig. 6

50
Feet



Town of Alfred, Allegany County, New York



Legend

- Property Boundary
- Sample Plot
- Tree Clearing Area
- Tree Survey

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus, USGS, AeroGRID, IGN, and the GIS User Community

