Originator(s): What is(are) the original source(s) of the data?

The 2022 North Carolina parcel data were acquired from the USDA Forest Service’s Forest Inventory and Analysis (FIA) group, which obtained the data via contract from (formerly) Digital Maps Products, now Lightbox Holdings, LP. 2022. <https://www.lightboxre.com/>. See attached file for original data source.

Title: HP\_Properties\_NC

Abstract: The heirs’ property data layer was created by Dr. Johnson Gaither, research social scientist with the USDA Forest Service, Athens, GA using tax year 2022 North Carolina, USA tax parcel records. The data were delivered to the Forest Service October 6, 2022. The methodology identifying likely heirs’ property parcels was developed based on the protocol developed by [Pippin, Jones, and Johnson Gaither (2027)](https://www.fs.usda.gov/research/treesearch/55263), refined by [Dobbs and Johnson Gaither, 2023](https://srdc.msstate.edu/sites/default/files/2023-06/dobbs_johnson-gaither_pre-print-manuscript-6.5.23.pdf), and later modified by C. Johnson Gaither using SAS code. The SAS code identified likely heirs’ parcels from the 2022 tax parcel points layer. The points were subsequently joined to corresponding parcel polygons using an identifier, PRCLDMPID, common to both the points and parcel layer--using two tools developed by Brandon Adams, a collaborator with the University of Georgia’s Center for Geospatial Research. The tool was refined January – April 2024. The first tool was needed because many of the polygons were stacked and therefore a single point could coincide with multiple polygons. These joins resulted in a points layer; however, the ultimate need was for the points attributes to link to polygons, so a second tool then matched the heirs’ property points to a polygon, resulting in heirs’ property parcels in the form of polygons. The following table contains three new variables added to the original heirs’ property points and their definitions.

New Column Values and Descriptions

30 January 2024

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| --- | --- | --- | --- |
| **Name** | **Purpose** | **Value** | **Meaning** |
| ExistingID | Indicates whether or not a value is present in the PRCLDMPID field of input the point layer. | ID | An ID exists in the PRCLDMPID field. |
| No ID | An ID does not exist in the PRCLDMPID field. |
| Join\_Table | Indicates if the point was joined to a polygon via a table join based on matching PRCLDMPID values. | Joined | The point joined to a polygon via a table join based on the PRCLDMPID field. |
| Not Joined | The point did not join to a polygon via a table join based on the PRCLDMPID field. |
| Match\_Spatial | Indicates if a point was spatially joined to a polygon. If a spatial join occurred, the value further indicates if the PRCLDMPID value of the point matches the PRCLDMPID value of the polygon to which it was spatially joined. | No Spatial Join | The point did not join to a polygon via a spatial join. |
| Matching IDs | The point joined to a polygon via a spatial join. Further, the PRCLDMPID value of the point matches the PRCLDMPID value of the polygon to which it was spatially joined. |
| Mismatched IDs | The point spatially joined to a polygon via a spatial join but the PRCLDMPID value of the point and the PRCLDMPID value of the polygon to which it was spatially joined do not match. |

Date created: Heirs’ properties identified January 19, 2024

Date last updated: Joins created January-April 3, 2024

Online linkage: Data are restricted to approved USDA users. Permission granted by USDA Forest Service FIA.

Time period of content: The original point and parcel records are from the third quarter of 2022 (August-October 2022)

Progress:

Access Constraints: Data are restricted to approved USDA users. Permission granted by USDA Forest Service FIA.

Use Constraints: Data are restricted to approved USDA users. Permission granted by USDA Forest Service FIA.

Organization Name: USDA Forest Service

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Horizontal Coordinate System Definition:

Based on: https://www.fgdc.gov/metadata/documents/MetadataQuickGuide.pdf