

U.S. Vegetable Laboratory, Survey and National Register of Historic Places Assessment of Above-Ground Resources, Charleston, South Carolina

Charleston County, South Carolina



November 2019

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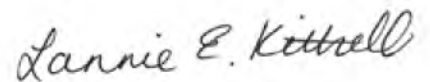
Charleston County, South Carolina

November 2019

Prepared for:

U.S. Department of Agriculture-Agricultural Research Service
U.S. Vegetable Laboratory
2700 Savannah Highway
Charleston, South Carolina 29414

Prepared by:

A handwritten signature in dark ink that reads "Lannie E. Kittrell". The signature is written in a cursive, flowing style.

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Atlanta • Charleston • Jackson • Nashville • Savannah

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1.0 Introduction

1.1 Name of Project

The name of this project is *U.S. Vegetable Laboratory, Survey and National Register of Historic Places Assessment of Above-Ground Resources, Charleston, South Carolina*.

1.2 Boundaries of Project

The project area includes the entire 451-acre U.S. Vegetable Laboratory parcel located at 2700 Savannah Highway, Charleston, South Carolina. The parcel is owned and operated by the U.S. Department of Agriculture, Agricultural Research Service (USDA-ARS). The project tract is on the north side of Savannah Highway (Figure 1.1). See Appendix A for a map of the project tract.

1.3 Number of Resources

Brockington and Associates, Inc. (Brockington), surveyed 31 resources including historic and non-historic above-ground buildings, structures, and landscape features within the 451-acre U.S. Vegetable Laboratory parcel for this historic resources survey. The previously determined NRHP-eligible U.S. Vegetable Laboratory historic district encompasses the entire project tract, but the above-ground resources on this tract were not previously surveyed and evaluated. The NRHP-eligible U.S. Vegetable Laboratory historic district boundary was proposed in 2015 when 3.23 acres of USDA-ARS land on the south side of Savannah Highway was surveyed and assessed (McCuin et al. 2015). The U.S. Vegetable Laboratory historic district is eligible for listing under Criterion A at the national level for its association with the USDA's 1930s expansion of its research capabilities in an effort to aid farm owners and operators in the efficient production of goods and at the regional level for its association with improved truck-farming produce throughout the Southeast. Many of the extant resources within this project tract are resources that were constructed within the previously identified period of significance (1936-2003) (McCuin et al. 2015) and retain at least a sufficient degree of integrity. Brockington defines the period of significance as 1936 to ca. 1980 to include those resources associated

with the addition of the U.S. Vegetable Laboratory's weed science unit. Brockington identified 21 contributing resources and 10 non-contributing resources within the northern portion of the NRHP-eligible U.S. Vegetable Laboratory historic district. In 2015, McCuin et al. identified three contributing resources to the U.S. Vegetable Laboratory historic district on the 3.23-acre parcel. See Appendix B for a complete list of surveyed resources in the U.S. Vegetable Laboratory historic district on the project tract.

1.4 Geographical Area

The historic resources survey area includes the 451-acre U.S. Vegetable Laboratory parcel (Charleston County ID# 3070000001) at 2700 Savannah Highway (U.S. Route 17), Charleston, South Carolina. The USDA-ARS-owned property is on the north side of Savannah Highway (U.S. Route 17) (see Figure 1.1).

1.5 Project Team

Brockington project team members who worked on this project include Lannie Kittrell, Program Manager and Architectural Historian; Patricia Stallings, Senior Historian; and Inna Moore, GIS Specialist. Lannie Kittrell completed background research and field survey. Inna Moore and Molly Van Ostran completed the GIS work and data post-processing. Patricia Stallings peer reviewed the report. Meagan Brady and Michael Walsh contributed to the editing and production of the project deliverables. The staff assigned to the survey effort meets the Secretary of the Interior's Professional Qualification Standards set forth in 36 CFR 61.

1.6 Beginning and End Dates of the Survey

The project began with the award of a contract by Resource Management Group, Inc., on behalf of the USDA-ARS, to Brockington on June 20, 2019. Brockington performed background research during June, July, and August 2019. On August 16, 2019, Lannie Kittrell met with Kirk Hurn, Facilities Manager at the U.S. Vegetable Laboratory, for an introductory meet-

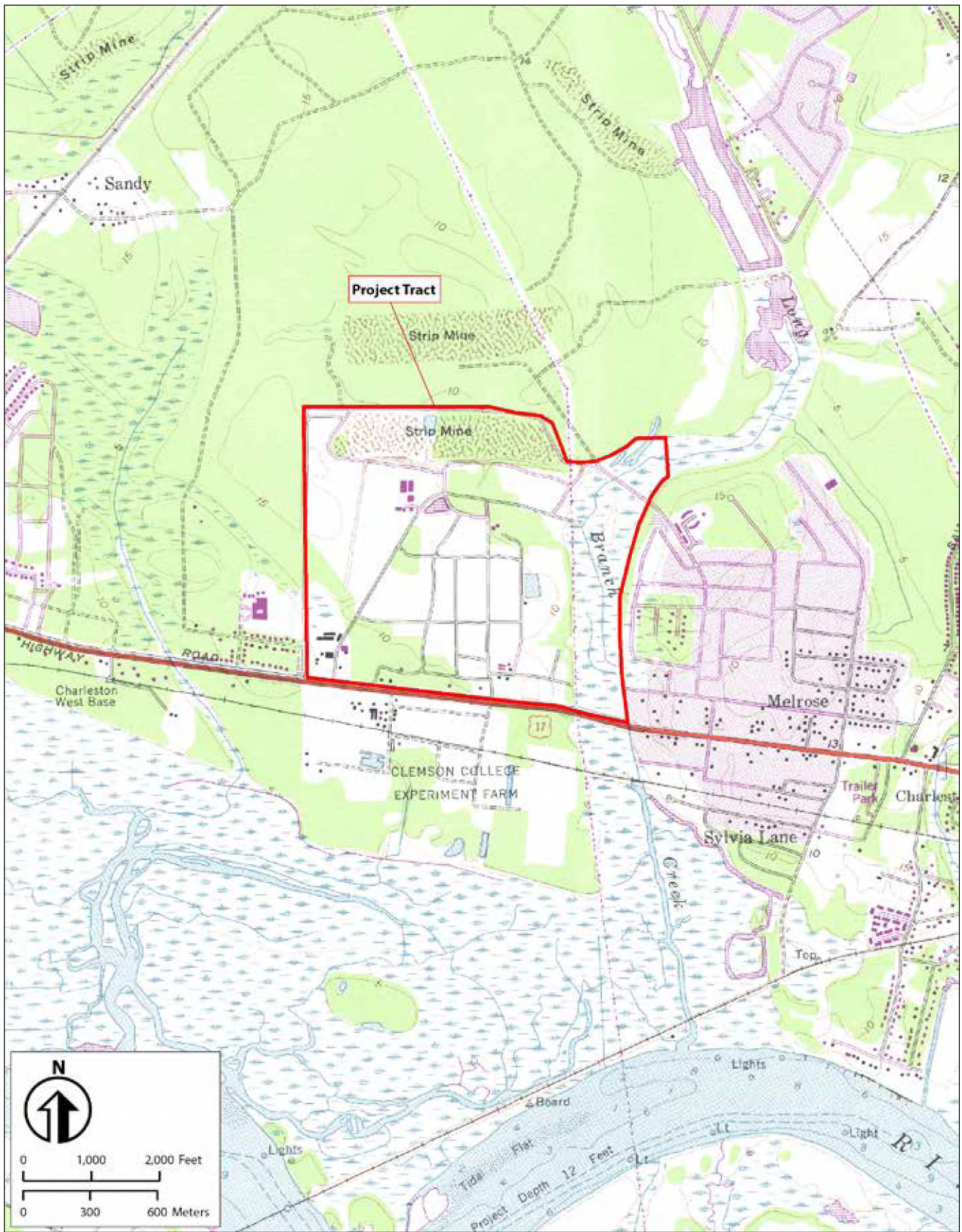


Figure 1.1 Project location depicted on the 1979 *John's Island, SC* U.S. Geological Survey (USGS) topographic quadrangle map.

ing and to perform archival research at the facility. Fieldwork was performed on August 29, 2019. Report writing, production, and completion of Statewide Survey of Historic Properties (SSHPP) Forms took place during August and September 2019.

1.7 Purpose of the Assessment

The objective of this historic resources survey is to identify and record the above-ground historic resources (districts, buildings, structures, and objects) associated with the 451-acre U.S. Vegetable Laboratory property and evaluate the eligibility of these resources for listing on the National Register of Historic Places (NRHP). The USDA-ARS requests a historic property identification survey and evaluation of the assets at the U.S. Vegetable Laboratory property in compliance with Sections 106 and 110 of the National Historic Preservation Act of 1966, as amended. The recordation and findings of this historic resources survey will assist the USDA-ARS on the management and future use of the assets of the project area.

2.0 Methodology

2.1 Survey Methodology

The project began with background research regarding the historical development of the region and the location of the U.S. Vegetable Laboratory property. Background research mainly consisted of a study of maps, historic aerial photographs, and prior cultural resources surveys in the area. This research helped to contextualize, identify, assess, and interpret the above-ground historic resources within the study area. The background research consisted mostly of a literature review and led to completion of a limited historical overview that identified important themes and patterns in the historical development of the U.S. Vegetable Laboratory property and the USDA. The overview serves as an introduction to the region's history as well as providing a context within which to identify and assess the significance of architectural resources at the U.S. Vegetable Laboratory property. This historical context also allowed the field surveyor to predict and identify the presence of certain types of historic resources and to understand their significance while in the field.

Brockington reviewed McCuin et al.'s 2015 report *Cultural Resources Investigations at the Former U.S. Vegetable Laboratory, Charleston County, South Carolina*, relying on their recommendation and justification for the U.S. Vegetable Laboratory historic district's boundary. The report also provided a detailed historic context of the region and the USDA's development in the Southeast during the early to mid-twentieth century.

The previously identified NRHP-eligible U.S. Vegetable Laboratory historic district (McCuin et al. 2015) is the only previously recorded above-ground resource within this 451-acre project tract. The NRHP-eligible U.S. Vegetable Laboratory historic district boundary includes the USDA-ARS's 451-acre project tract on the north side of Savannah Highway and the 3.23-acre parcel located at 2875 Savannah Highway on the south side of Savannah Highway. Out of the five extant buildings surveyed on the 3.23-acre tract in 2015 (McCuin et al. 2015), three were determined to be contributing resources and two were determined to be non-contributing resources to the U.S. Vegetable Laboratory historic district (McCuin et al. 2015).

Brockington's field survey for the 451-acre tract began following the completion and review of the historic context and the initial meeting with representatives from the USDA-ARS, U.S. Vegetable Laboratory. The architectural survey was conducted in accordance with the *Survey Manual: South Carolina Statewide Survey of Historic Properties* (South Carolina Department of Archives and History [SCDAH] 2018), the *National Register Bulletin 24, Guidelines for Local Surveys: A Basis for Preservation Planning* (Parker 1985), and the Secretary of the Interior's Standards for Identification and Evaluation (36 CFR 61.3, 6; 36 CFR 61.4[b]). The principal fieldwork took place on August 29, 2019. During the fieldwork, the architectural historian performed intensive-level survey and recorded all resources at the facility with attention to the architecturally and historically significant above-ground resources including buildings, structures, complexes, districts, and objects that were at least 50 years old (constructed by 1969) or that will become 50 years of age within five (5) years of the survey (constructed by 1974).

The architectural historian analyzed each resource's degree of integrity. According to SCDAH, a resource that has integrity retains its historic appearance and character and conveys a strong feeling of the period in history during which it achieved significance. Integrity is the composite of seven qualities: location, design, setting, materials, workmanship, feeling, and association. To have a reasonable degree of integrity, a property must possess at least several of these qualities.

Integrity is also evaluated in the context of the local region. Some regions exhibit resources that have retained a great deal of their integrity, while other regions exhibit resources whose integrity has been significantly compromised. In the case of the U.S. Vegetable Laboratory property, many of the historic resources we recorded had some impact to their integrity, through either unsympathetic additions or loss of historic fabric. Additionally, the resources are utilitarian and were not designed in high architectural styles of the period. The surveyed buildings and structures within the U.S. Vegetable Laboratory property were analyzed more for their form and function rather than as representative of

an architectural style. Although many resources exhibited compromised architectural integrity, the overall integrity of the historic building stock and landscape features of the U.S. Vegetable Laboratory property was good at the time of the survey.

Following SCDAH guidelines and the Scope of Work, the architectural historian recorded all architectural resources in the project tract on South Carolina SSHP forms in digital format using the survey database (Microsoft Access 2016™). The architectural historian took three to four digital photographs of each resource, typically showing the main and/or oblique elevations. The location of each surveyed property was plotted utilizing GIS technology. Photography for this project included digital images produced by methods demonstrated to meet the 75-year permanence standard required by the National Park Service ([NPS] 2013) and the SCDAH. The completed SSHP forms are in Appendix C.

The architectural historian documented extant resources that are approximately 50 years old or older, and resources that are less than 50 years old and located in the project tract. These newly recorded resources were assessed for inclusion in the NRHP both individually and as contributing to the significance of the NRHP-eligible U.S. Vegetable Laboratory historic district.

2.2 NRHP Assessment of Cultural Resources

2.2.1 NRHP Criteria for Evaluation

Brockington assessed all cultural resources encountered based on the NPS's NRHP Criteria for Evaluation. As per the NRHP Criteria for Evaluation, a historic resource (building, structure, site, object, or district) may be eligible for the NRHP if it retains integrity of location, design, setting, materials, workmanship, feeling, and association, and:

- A. is associated with events that have made a significant contribution to the broad patterns of history; or
- B. is associated with the lives of significant persons in the past; or
- C. embodies the distinctive characteristics of a type, period, or method of construction,

or that represents the work of a master, or that possesses high artistic value, or that represents a significant and distinguishable entity whose components may lack individual distinction; or

- D. has yielded, or is likely to yield, information important in history or prehistory.

A resource may be eligible under one or more of these criteria. Criteria A, B, and C are most frequently applied to historic buildings, structures, objects, non-archaeological sites (e.g., battlefields, natural features, designed landscapes, or cemeteries), or districts. The eligibility of archaeological sites is most frequently considered with respect to Criterion D. Also, a general guide of 50 years of age is employed to define "historic" in the NRHP evaluation process. However, more recent resources may be considered if they display "exceptional" significance (Sherfy and Luce 1998).

Following *National Register Bulletin: How to Apply the National Register Criteria for Evaluation* (Savage and Pope 1998), evaluation of any resource requires a twofold process. First, the resource must be associated with an important historical context. If this association is demonstrated, the integrity of the resource must be evaluated to ensure that it conveys the significance of its context. The applications of both steps are discussed in more detail below.

Determining the association of a resource with a historical context involves five steps (Savage and Pope 1998). First, the resource must be associated with a particular facet of local, regional (state), or national history. Secondly, one must determine the significance of the identified historical facet/context with respect to the resource under evaluation. Any particular historical facet/context becomes significant for the development of the project area only if the project area contains resources that were constructed or gained their significance during that time.

The third step is to demonstrate the ability of a particular resource to illustrate the context. A resource should be a component of the locales and features created or used during the historical period in question. For example, early nineteenth-century farmhouses, the ruins of African American slave settlements from the 1820s, and/or field systems associated with particular antebellum plantations

in the region would illustrate various aspects of the agricultural development of the region prior to the Civil War. Conversely, contemporary churches or road networks may have been used during this time period but do not reflect the agricultural practices suggested by the other kinds of resources.

The fourth step involves determining the specific association of a resource with aspects of the significant historical context. Savage and Pope (1998) define how one should consider a resource under each of the four criteria of significance. Under Criterion A, a property must have existed at the time that a particular event or pattern of events occurred, and activities associated with the event(s) must have occurred at the site. In addition, this association must be of a significant nature, not just a casual occurrence (Savage and Pope 1998). Under Criterion B, the resource must be associated with historically important individuals. Again, this association must relate to the period or events that convey historical significance to the individual, not just that this person was present at this locale (Savage and Pope 1998). Under Criterion C, a resource must possess physical features or traits that reflect a style, type, period, or method of construction; display high artistic value; or represent the work of a master (an individual whose work can be distinguished from others and possesses recognizable greatness) (Savage and Pope 1998). Under Criterion D, a resource must possess sources of information that can address specific important research questions (Savage and Pope 1998). These questions must generate information that is important in reconstructing or interpreting the past (Butler 1987; Townsend et al. 1993).

After a resource is associated with a specific significant historical context, one must determine which physical features of the resource reflect its significance. One should consider the types of resources that may be associated with the context, how these resources represent the theme, and which aspects of integrity apply to the resource in question (Savage and Pope 1998).

Once the above steps are completed and the association with a historically significant context is demonstrated, one must consider the aspects of integrity applicable to a resource. Integrity is defined in seven aspects of a resource; one or more may be

applicable depending on the nature of the resource under evaluation. These aspects are location, design, setting, materials, workmanship, feeling, and association (36 CFR 60.4; Savage and Pope 1998). If a resource does not possess integrity with respect to these aspects, it cannot adequately reflect or represent its associated historically significant context. Therefore, it cannot be eligible for the NRHP. To be considered eligible under Criteria A and B, a resource must retain its essential physical characteristics that were present during the event(s) with which it is associated. Under Criterion C, a resource must retain enough of its physical characteristics to reflect the style, type, etc., or work of the artisan that it represents. Under Criterion D, a resource must be able to generate data that can address specific research questions that are important in reconstructing or interpreting the past.

It is common for NRHP-eligible or listed historic districts to have resources that are not individually eligible but that contribute to the overall significance of the district when considered as part of the group. Changes made to contributing resources of an NRHP-eligible or listed historic district may have an adverse effect on the district. Alterations to a non-contributing resource within an NRHP-eligible or listed district would have no effect to the district. It is common for municipalities to adopt zoning ordinances, such as a historic district overlay, and building codes to ensure that alterations and new construction in that historic district do not detract from the historic and architectural significance of the district.

2.2.2 NRHP Criteria Considerations

Ordinarily, cemeteries, birthplaces, graves of historical figures, properties owned by religious institutions or used for religious purposes, reconstructed historic buildings, resources primarily commemorative in nature, properties less than 50 years of age, and resources moved from their original location shall not be considered eligible for the NRHP. However, these properties can be eligible for listing if they meet special requirements, called Criteria Considerations, in addition to meeting the regular requirements (being eligible under one or more of the four Criteria and possessing integrity).

The Criteria Considerations need to be applied only to *individual* properties. Components of eligible districts do not have to meet the Criteria Considerations unless they make up the majority of the district or are the focal point of the district. The Criteria Considerations are as follows (36 CFR 60.4, Criteria for Evaluation):

- A. a religious property deriving primary significance from architectural or artistic distinction or historical importance; or
- B. a building or structure removed from its original location, but which is significant primarily for architectural value, or which is the surviving structure most importantly associated with a historic person or event; or
- C. a birthplace or grave of a historical figure of outstanding importance if there is no appropriate site or building directly associated with his or her productive life; or
- D. a cemetery which derives its primary significance from graves of persons of transcendent importance, from age, from distinctive design features, from association with historic events; or
- E. a reconstructed building when accurately executed in a suitable environment and presented in a dignified manner as part of a restoration master plan, and when no other building or structure with the same association has survived; or
- F. a property primarily commemorative in intent if design, age, tradition, or symbolic value has invested it with its own exceptional significance; or,
- G. a property achieving significance within the past 50 years if it is of exceptional importance.

3.0 Historical Context

3.1 Historic Period

The land that comprises the 451-acre U.S. Vegetable Laboratory in St. Andrews Parish, Charleston, South Carolina, was part of the Wappoo Plantation in the eighteenth century, known as Milne Plantation in the nineteenth century, and Rose Cottage near the end of the nineteenth century. When the phosphate mining companies acquired this land and adjoining properties on the north side of the Stono River in St. Andrew's Parish, the land was called Cherokee Tract.

The U.S. Vegetable Laboratory property may have been part of the 5,000 acres on the north side of the Stono River owned by William Elliott. Elliott was in the colony by the 1680s, and had acquired this land by 1711 (Cuthbert and White n.d.). His son Thomas Elliott, referred to in records as a St. Andrew's Parish planter, inherited a tract of 1,400 acres from his father. Upon Thomas Elliott's death, his son Samuel received Wappoo Tract but sold it in 1751 to his brother Thomas Elliott. By 1786, Thomas Hutchinson owned Wappoo Plantation as well as several other lands and a house on East Bay Street in Charleston. Thomas Hutchinson's will left a life interest in Wappoo Plantation to his wife Ann. His executors were instructed, upon the death of his wife Ann, to retain Wappoo Plantation for his grandson Thomas Chiffelle, or to sell it and to purchase another property for his grandson (Cuthbert and White n.d.).

According to the Census of 1810 and a March 1811 plat of the property, Thomas Chiffelle took possession of Wappoo Plantation by 1811 (Cuthbert and White n.d.). Thomas Chiffelle sold the plantation to Thomas Seabrook in 1816. Thomas Seabrook was the son of an Edisto Island planter; he married Elizabeth Clark, and by 1826 had at least one town residence in Charleston. By 1830, Seabrook was listed in the St. Andrews census as having 74 enslaved (Cuthbert and White n.d.; Drucker 1991). The principal crop grown on Wappoo Plantation at that time was cotton (Drucker 1991). The 1820s Mills' Atlas map shows a road between Charleston and Rantowles that roughly follows the route of the current Savannah Highway/U.S. Route 17 (Figure 3.1).

The Thomas Seabrook estate was divided after his 1839 death; his eldest daughter Elizabeth was granted Wappoo Plantation (Cuthbert and White n.d.; Drucker 1991). Elizabeth Seabrook married a successful planter, Andrew Milne, in 1839. By 1850, the Milnes had 75 slaves in St. Andrews Parish, presumably at Wappoo Plantation (now referred to as Milne Plantation) (Drucker 1991). Milne died in 1857 leaving his estate to his wife. By 1860, Elizabeth had 126 enslaved at Milne Plantation occupying 24 houses, with cotton as the most likely crop grown on the land (Cuthbert and White n.d.). As with most plantations, the Civil War disrupted production and changed the lifeways of the plantation-based economy. After the Civil War, without the help of enslaved workers to work the large tracts, large farms were subdivided. According to an 1868 deed, after the Civil War, Elizabeth Milne leased the property to her daughter Elizabeth Milne DuBos (Cuthbert and White n.d.).

With the death of Mrs. Milne in 1882, the property was left to her two adopted daughters. Because her late husband's will stated that the property would be left to the offspring of his wife, Mrs. Milne's sister's grandson, Gilbert Geddes Dupont, claimed inheritance of the family plantation (Cuthbert and White n.d.). By 1897, Wappoo Plantation (now referred to as Rose Cottage) was sold to Berkeley Chemical Company. Later sales to Virginia Carolina Chemical Company (1898) and Charleston Mining and Manufacturing Company (CMMC) (1902) resulted in extensive phosphate mining of much of the project tract (Gardner and Poplin 1992).

Phosphate mining was an important industrial venture for companies in the region during the late nineteenth century. Phosphate was mined from the rich soil in the Charleston region and used in the manufacture of fertilizer. Mining operations severely altered the landscape and were quickly abandoned when richer phosphate beds in other states were discovered.

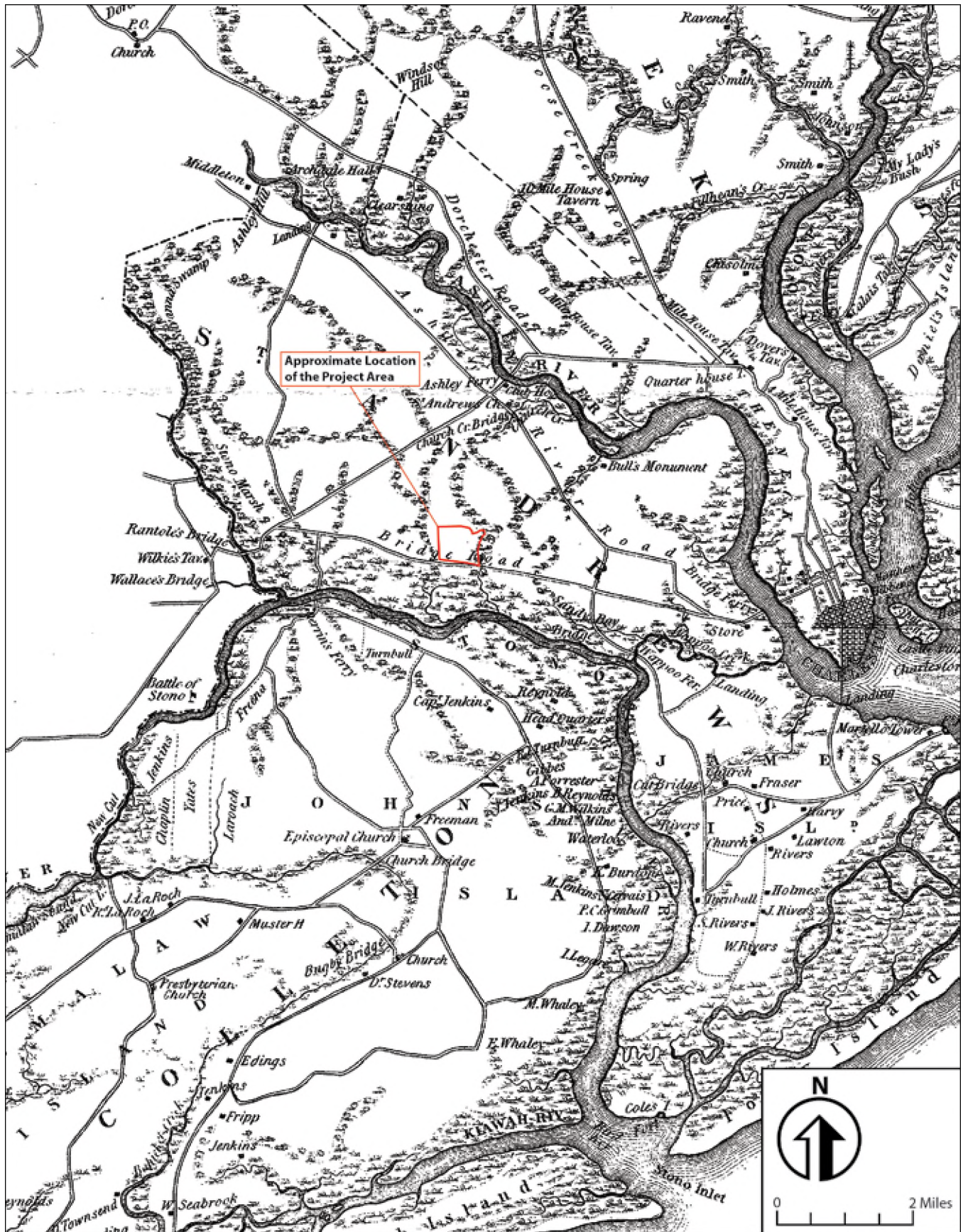


Figure 3.1 Project location on Mills’ 1820 map of the area.

3.2 Brief History of the U.S. Department of Agriculture

The USDA was created during the Civil War. In general, before the formation of the organization, farm operators and owners grew and took care of their own crops and livestock with limited shared knowledge. By Acts passed in the late nineteenth and early twentieth centuries, the USDA was formed. Education materials on topics such as crops, soils, livestock, insects and pests, and farm implements were provided to a more widespread audience than before the Civil War.

U.S. Department of Agriculture created

President Abraham Lincoln signed legislation that created the USDA in 1862.

Morrill Act of 1862

The Morrill Act of 1862 provided for the donation of land to states for “the endowment, support and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts” (Aull 1930).

Hatch Act of 1887

The Hatch Act of 1887 provided \$15,000 annually to each state and territory for the purpose of establishing agricultural experiment stations in order to aid and promote scientific investigation and experiment. In nearly every case, these experiment stations were established in connection with the land-grant colleges (Aull 1930).

Office of Experiment Stations

The Office of Experiment Stations was established in 1888 (USDA-ARS n.d.).

2nd Morrill Land-Grant College Act of 1890

In 1890, the second Morrill Land-Grant College Act authorized separate land-grant colleges for Negroes. Seventeen institutions are recognized as 1890 Schools (USDA-ARS n.d.).

Adams Act of 1906

The Adams Act of 1906 provided for each state an annual appropriation equal to that of the Hatch Act (Aull 1930).

The Purnell Act of 1925

The Purnell Act was approved by Congress on February 24, 1925. Funds appropriated under the terms of this Act were to be applied only to conducting investigations or experiments related to the production, manufacture, preparation, use, distribution, and marketing of agricultural products (Aull 1930).

1935 Bankhead-Jones Act

The Bankhead-Jones Act was approved by Congress June 29, 1935, providing for expansion of agricultural research.

Agricultural Adjustment Act of 1938

The Agricultural Adjustment Act established four regional research centers to develop new uses for farm products. These centers were located in Wyndmoor, Pennsylvania; Peoria, Illinois; Albany, California; and New Orleans, Louisiana (USDA-ARS n.d.).

Organic Act 1944

The Organic Act of 1944 provided for control and eradication of certain animal and plant pests and diseases (USDA-ARS n.d.).

1953 Agricultural Research Service

The ARS was created in 1953 (USDA-ARS n.d.). The ARS is the USDA's chief scientific in-house research agency. The ARS delivers scientific solutions to national and global agricultural challenges affecting Americans (USDA-ARS 2019).

3.3 Early Organization of Agriculture in South Carolina

The Agricultural Society of South Carolina was founded in 1785 for the purpose of promoting and improving agriculture and other rural concerns. The Honorable Thomas Heyward, Jr. was the Society's first president in 1785. He is quoted as saying (Aull 1930:8):

It is certain, that in America in general, the mode of planting and of managing rural concerns has been pretty much the same for fifty years past... It is no less certain, that within that period, by various experiments in Europe... a considerable and rapid progress has been made... and in consequence a new and almost entirely different

system of husbandry has taken the place of the former. These experiments, which were generally made at first by individuals... were at length considered as objects of public utility...

The experiments he mentions were the pursuits of individual farmers, the results of which were reported to the Society (Aull 1930). He understood and appreciated the fact that individual farmers did not have the time, skill, or money to conduct research, which led to governmental cooperation with the establishment of agricultural experiment stations in the United States.

In 1886, the General Assembly of South Carolina passed an Act to Establish the South Carolina Agricultural Farms and Stations, providing for the establishment of two experimental farms: one located in the Piedmont region, and one located in the lower tier of counties (Aull 1930). By 1888, there were three experimental farms throughout the state, including the “Hatch Station” in Columbia and the state agricultural farms in Spartanburg and Darlington (Aull 1930).

Thomas G. Clemson willed his property of the old Fort Hill home of his father-in-law, John C. Calhoun, to the State of South Carolina for an agricultural and mechanical college. The Clemson Agricultural College of South Carolina was incorporated in November 1889 (Aull 1930).

The following is an excerpt of the detailed historic context provided in McCuin et al. (2015).

The U.S. Vegetable Laboratory was created in the Bankhead-Jones Act of 1935. The act sought to expand the USDA’s research to assist farmers in efficiently producing goods. Title 1, Section 4 of the act authorized the USDA to establish and maintain research laboratories in major agricultural regions. The locations of the laboratories were decided with input from scientists at the USDA, faculty from land-grant colleges, and staff of state experiment stations. Ideally, the new facilities were to be located at an existing federal or state experiment station.

The Bankhead-Jones Act ultimately established nine regional laboratories, each of which focused on a specific, unique topic that was a pri-

ority to the improvement of the area. The first regional laboratory was established in 1935 in Charleston, South Carolina, to focus on improving vegetable crops. In 1936, three more laboratories were founded in State College, Pennsylvania, for pasture improvements; Urbana, Illinois, to research industrial uses of soybeans; and Ames, Iowa, for swine breeding. In 1937, four more facilities were created in Dubois, Idaho, for sheep breeding; Auburn, Alabama, to focus on animal diseases; East Lansing, Michigan, for improvements to poultry viability; and Riverside, California, to control the salinity of irrigation waters. The final regional laboratory was established in 1939 at Ithaca, New York, to study the relationship of soils to plant, animal, and human nutrition (Baker et al. 1968:227).

3.4 The Southeastern Regional Vegetable Breeding Laboratory

The U.S. Vegetable Laboratory (originally named the Southeastern Regional Vegetable Breeding Laboratory, and later the U.S. Vegetable Breeding Laboratory) was established in 1936 under the Bankhead-Jones Act. Representatives from the USDA’s Bureau of Plant Industry and the Southeastern State Agricultural Experiment Stations met on March 1, 1936 in Charleston, South Carolina, to organize and plan a program of work for the new regional laboratory (USDA-ARS 2016).

In 1936, the USDA purchased the 451-acre parcel on the north side of Savannah Highway/U.S. Route 17 and acquired an adjacent 3.23-acre parcel on the south side of Savannah Highway/U.S. Route 17. The USDA purchased the 451-acre parcel from CMMC out of Richmond, Virginia for \$10,000 (Figure 3.2). The USDA also acquired the adjacent 3.23-acre parcel on the south side of Savannah Highway/U.S. Route 17 from Charleston County (Figure 3.3). The 3.23-acre USDA parcel was surrounded by the South Carolina Truck Experiment Station in St. Andrews Parish, Charleston County, South Carolina. Clemson University has owned 324.7 acres surrounding the 3.23-acre parcel on the south side of Savannah Highway/U.S. Route 17 since 1940.

The project tract for this historic resources survey includes the USDA’s 451-acre property on

EXHIBIT A

Legal Description

All that certain piece, parcel or tract of land, situate, lying and being in St. Andrew's Parish in the County of Charleston, a portion of a plantation formerly known as "Rose Cottage" and/or Cherokee Tract; measuring and containing three and twenty-three one hundredths (3.23) acres more or less and having such shape, form, delineations, metes and bounds as are shown on a plat thereof made by The John McCrady Company, surveyor dated the 24th day of February, 1936 hereto attached. Butting and Bounding to the West on property of Charleston County, on the North by United States Highway No. 17, on the South by lands of Charleston County and on the East by property of Charleston County, as will appear by reference to the said plat.

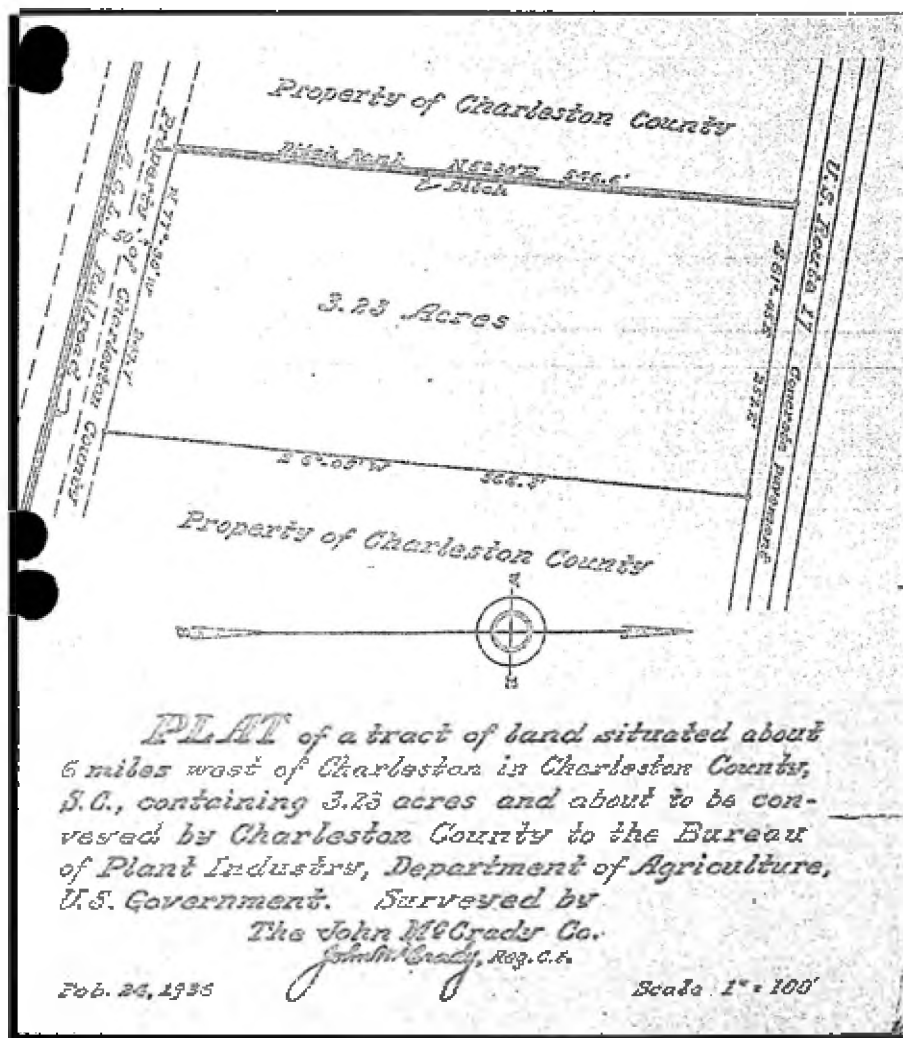


Figure 3.3 Plat of the 3.23-acre parcel acquired by the USDA in 1936 (CCDB:0789:620).

the north side of Savannah Highway/U.S. Route 17 approximately six miles west of Charleston. There have been minimal changes to the property since the USDA purchased the land in 1936. Figures 3.4 through 3.13 illustrate the predominate agriculture-related land use from 1920 through 2005.

The original Southeastern Regional Vegetable Breeding Laboratory building (Figure 3.14) was constructed in 1936 on the south side of Savannah Highway. Numerous buildings and structures were constructed to support the organization's mission throughout the twentieth century. Extant vegetable breeding and research-related resources on the project tract from the 1930s include a barn, implement sheds, and storage buildings. Resources associated with sweet potato research and experimentation include headhouses, greenhouses, and storage buildings from the 1960s. Figure 3.15 presents the layout of buildings and structures at the U.S. Vegetable Laboratory in 1993.

Since its beginning, the U.S. Vegetable Laboratory's mission, through coordinated research work of the State Agricultural Experiment Stations, has been to (USDA-ARS 2016):

obtain, through fundamental research, basic information requisite to efficient and orderly breeding of improved vegetable crops for the southern region, and to produce new and improved vegetable cultivars and breeding stocks.

Scientists at the U.S. Vegetable Laboratory have worked closely with the Clemson University Coastal Research and Education Center (formerly the Truck Crops Experiment Station, and later named Clemson University Coastal Experiment Station) staff since the mid-1930's.

Prominent cultivars developed at the U.S. Vegetable Laboratory that have gained wide recognition include the Wade, Contender, Bonus, Extender, Provider, and Gold Coast snap bean; Homestead and Southland tomato; Charleston Gray, Congo, Garrisonian, Graybelle, Fairfax, and Summerfield watermelon; Gulfstream, Planters Jumbo, and Mainstream muskmelon; Wando pea; and Charleston Greenpack southern pea. In addition to these named cultivars, many useful inbred lines and breeding stocks developed at the U.S. Vegetable Laboratory

have been distributed throughout the United States and abroad, often being used as parents in hybrids and cultivars in other areas (USDA-ARS 2016).

U.S. Department of Navy

In 1942, the Department of the Navy leased 95.8 acres of the USDA-ARS land for the installation of the U.S. Naval Radio Station, Dupont, South Carolina, Shore Station development. By instrument dated February 17, 1942 and pursuant to the Act of Congress of August 29, 1916 (39 Stat. 606; 34 U.S.C 523), the USDA transferred this land to the Navy. The Navy was required to return the land to the USDA when it was no longer required. In a letter dated October 8, 1956 (from Fogler to Honorable Benson), the Department of the Navy alerted the USDA that they were transferring the property, with structures and other improvements, back to the USDA.

According to the 1954 and 1955 U.S. Naval Radio Station, Dupont, South Carolina, Master Shore Station Development Plans, numerous buildings and structures were constructed on the USDA property by the mid-1950s. Operating allocations included three operating buildings, at least 12 receiving antennas, and at least one transmitting antenna. Administration and housing areas included several barracks buildings, officer quarters, bathroom buildings, and a gate house (see Figure 3.16 for the 1955 U.S. Naval Radio Station, Dupont, South Carolina, Master Shore Station Development Plan).

According to the Department of Navy letter dated October 8, 1956, per negotiations between the USDA and the Department of the Navy, it was agreed upon that certain buildings and structures would be removed. The Navy agreed to dismantle and remove all radio instruments, towers, and appurtenant equipment, as well as several buildings.

The U.S. Naval Security Group Activity (NSGA), Dupont, South Carolina, activated in August 1942 and was disestablished on December 1, 1957. The mission of the U.S. Naval Radio Station, Dupont, South Carolina, Shore Station was radio interception and direction finding. Captain George Paul McGinnis was the Commanding Officer of NSGA Dupont from 1950-1952. Upon disestablishment, the personnel, mission, and function were transferred to U.S. NSGA Northwest, Virginia (Station HYPO 2017).

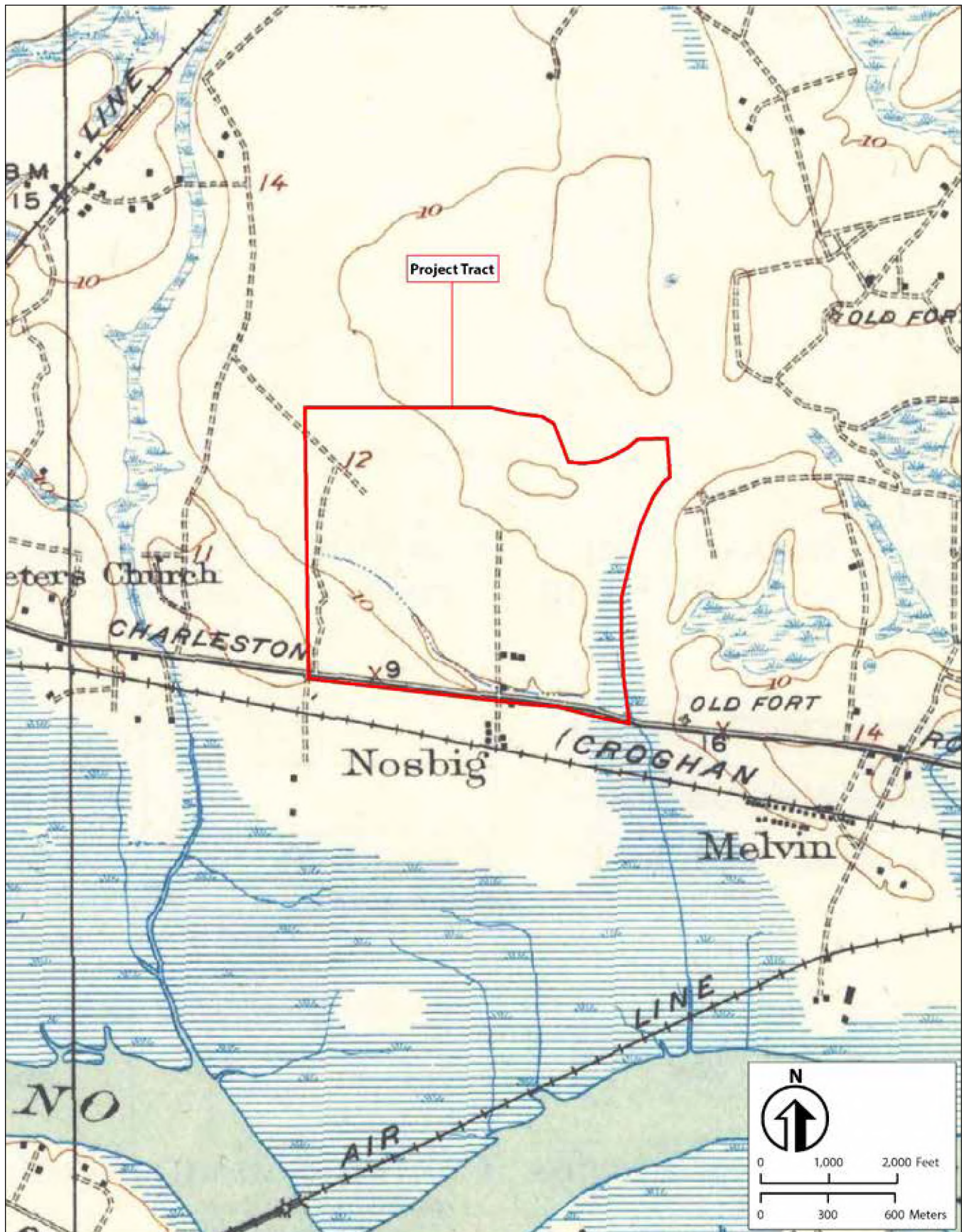


Figure 3.4 Project location on the 1920 Ravel, SC USGS topographic quadrangle.

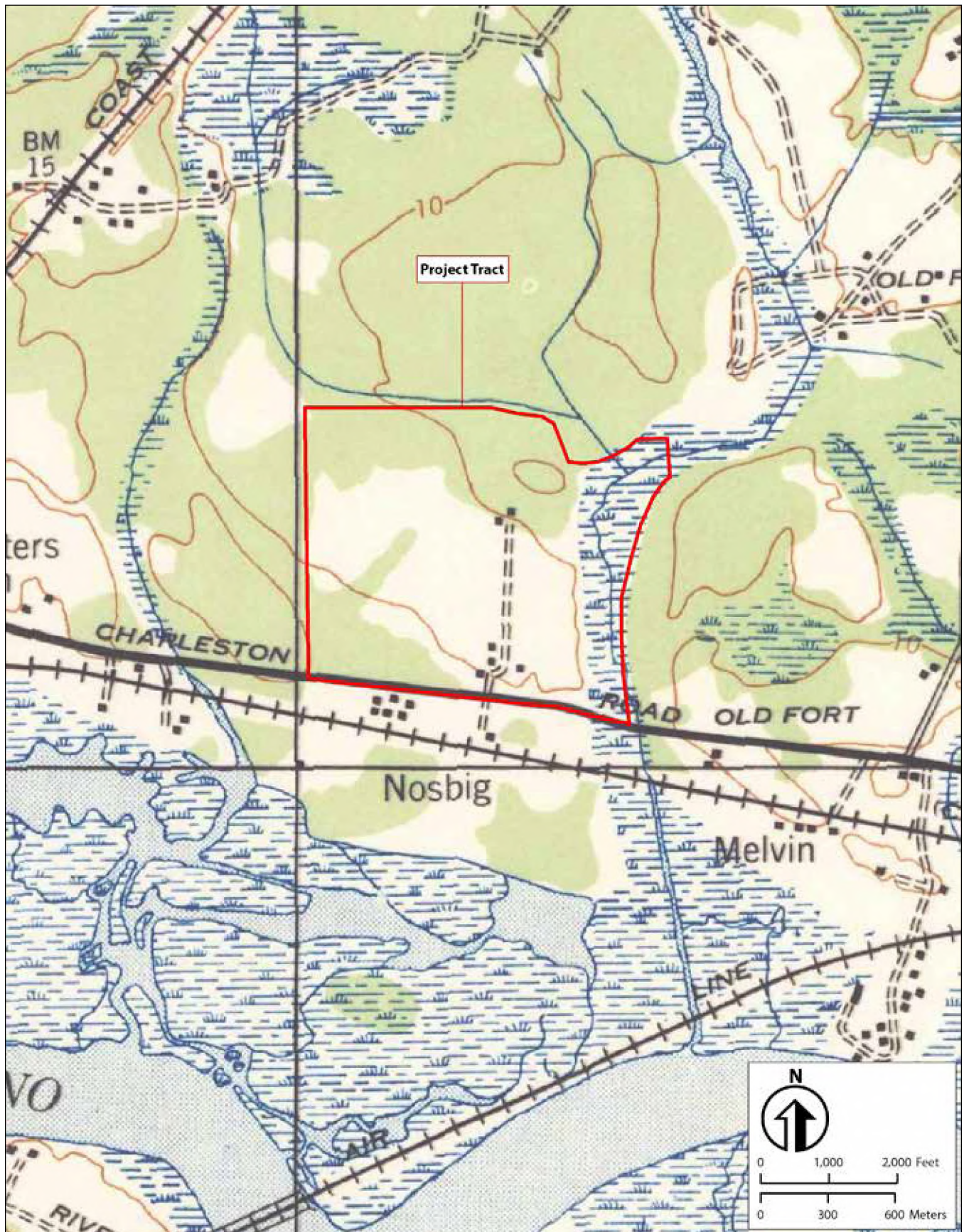


Figure 3.5 Project location on the 1944 *Ravel*, SC USGS topographic quadrangle.

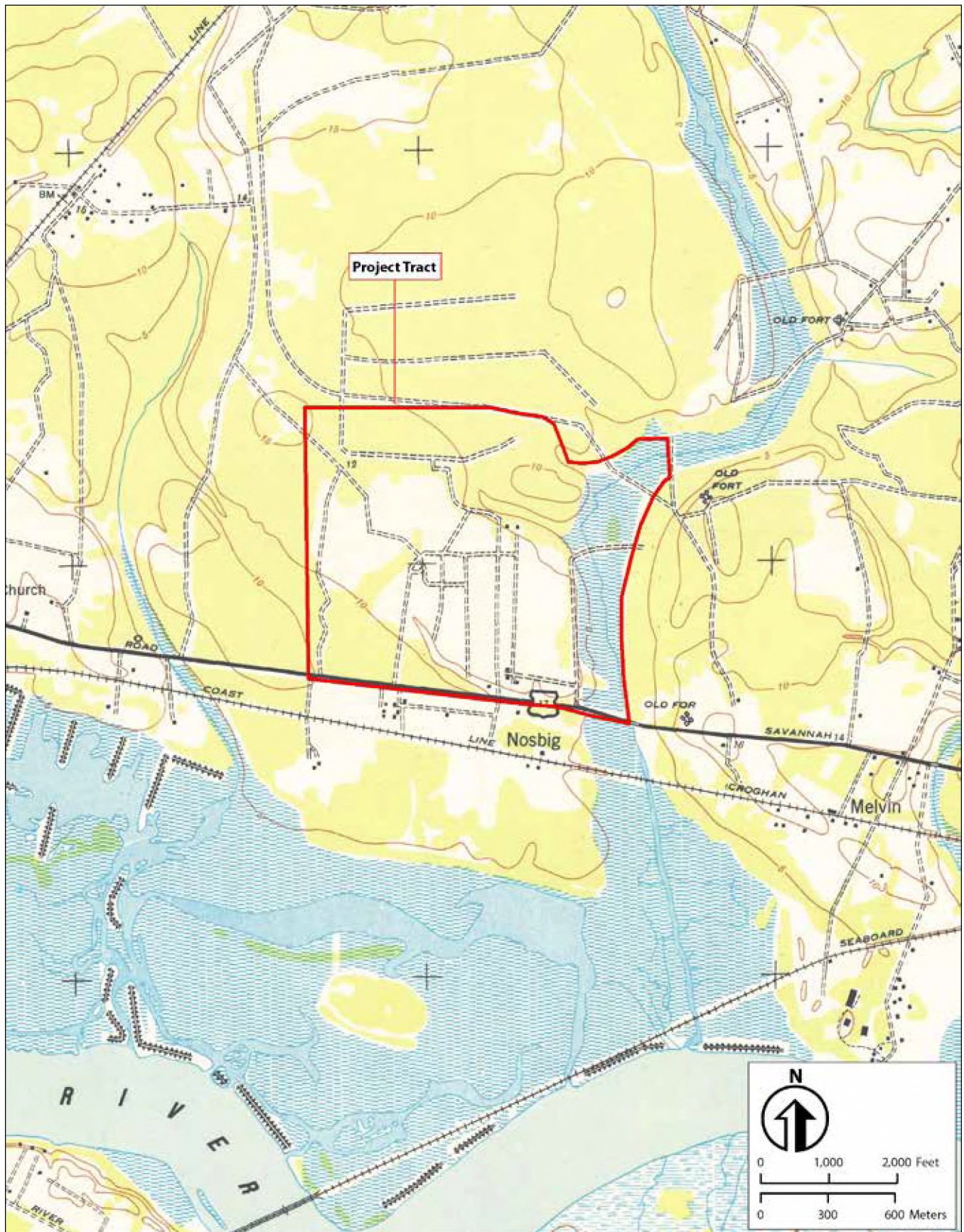


Figure 3.6 Project location on 1948 *John's Island, SC* USGS topographic quadrangle.

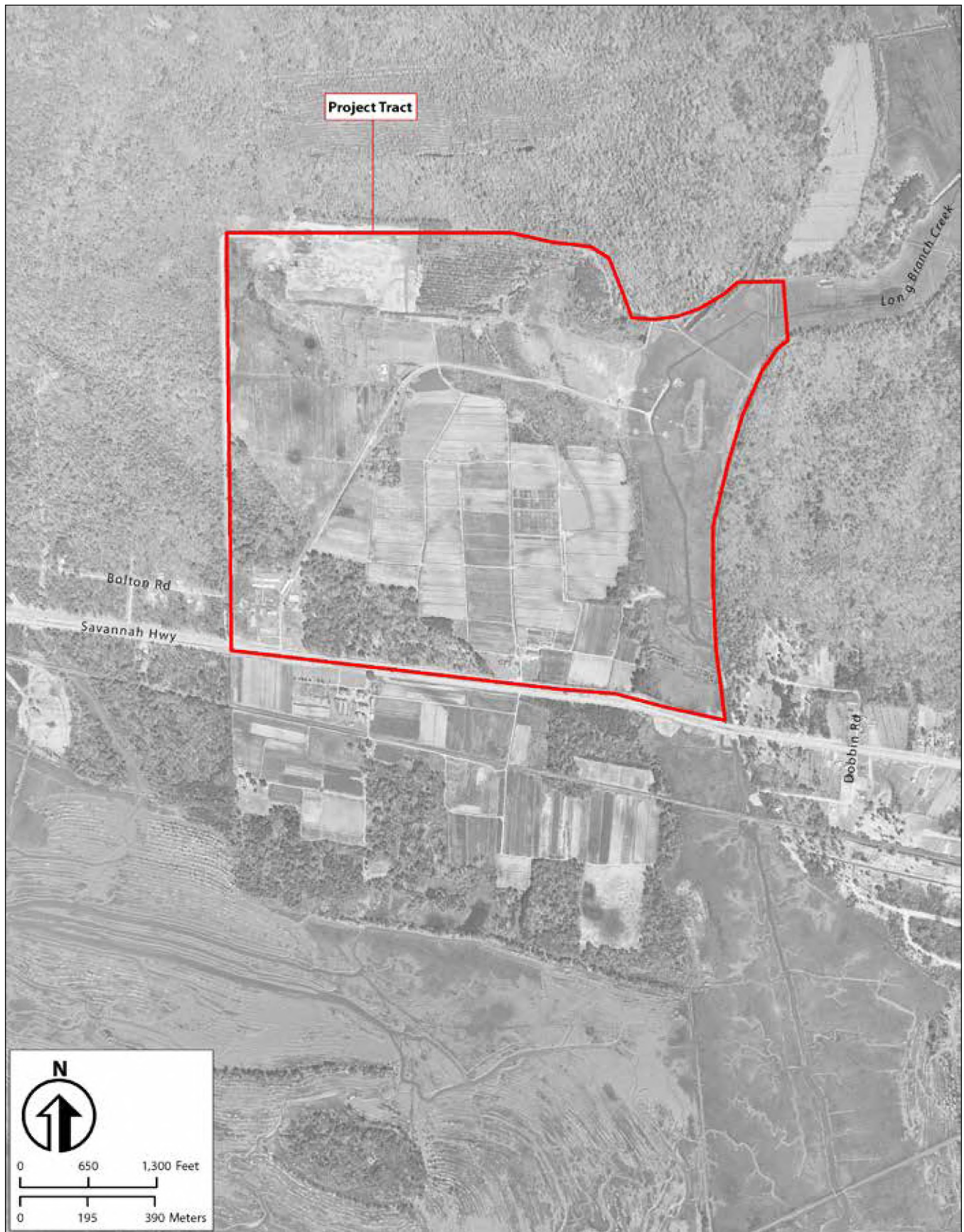


Figure 3.7 Project location on a 1957 USGS aerial photograph.

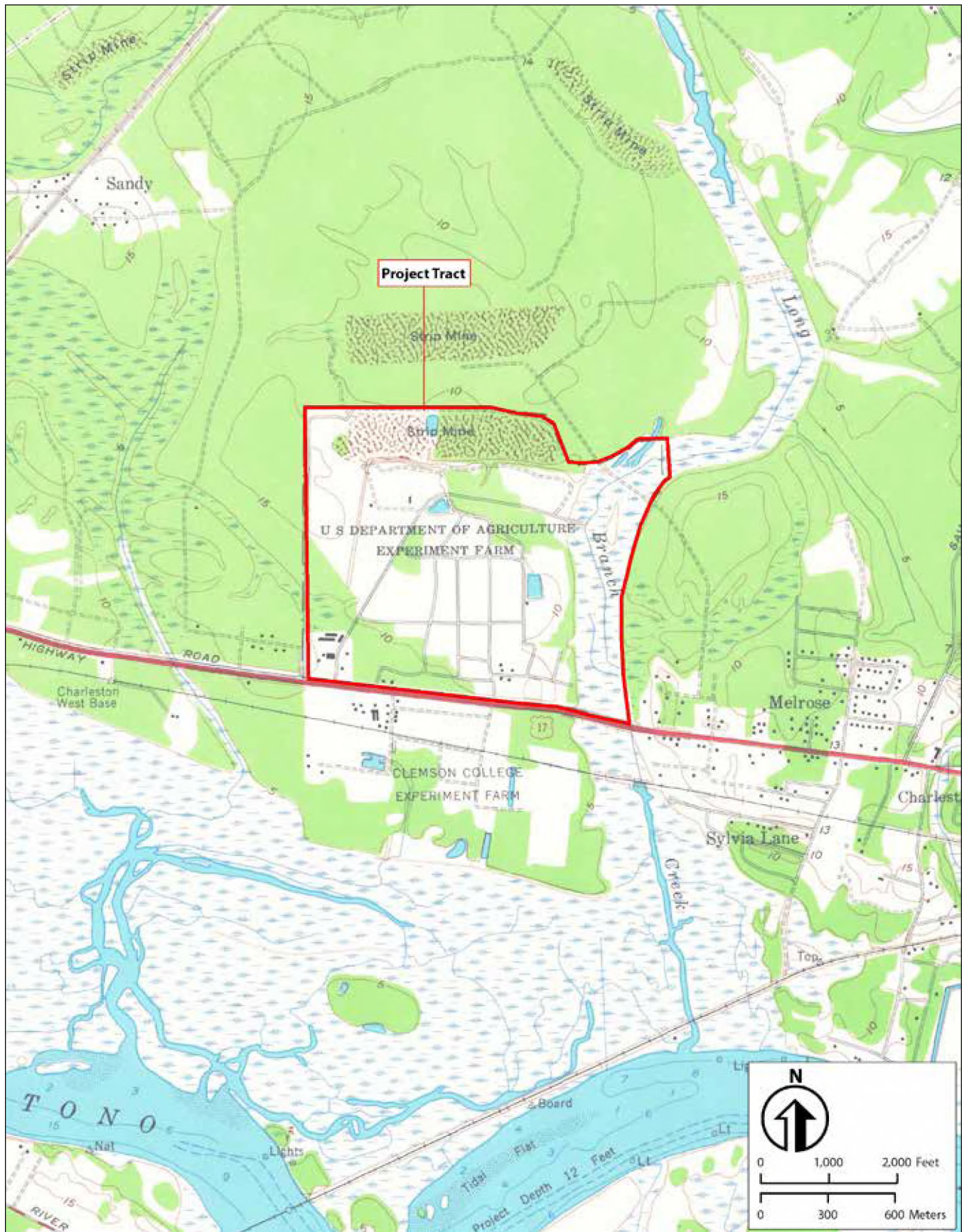


Figure 3.8 Project location on the 1958 *John's Island, SC* USGS topographic quadrangle.

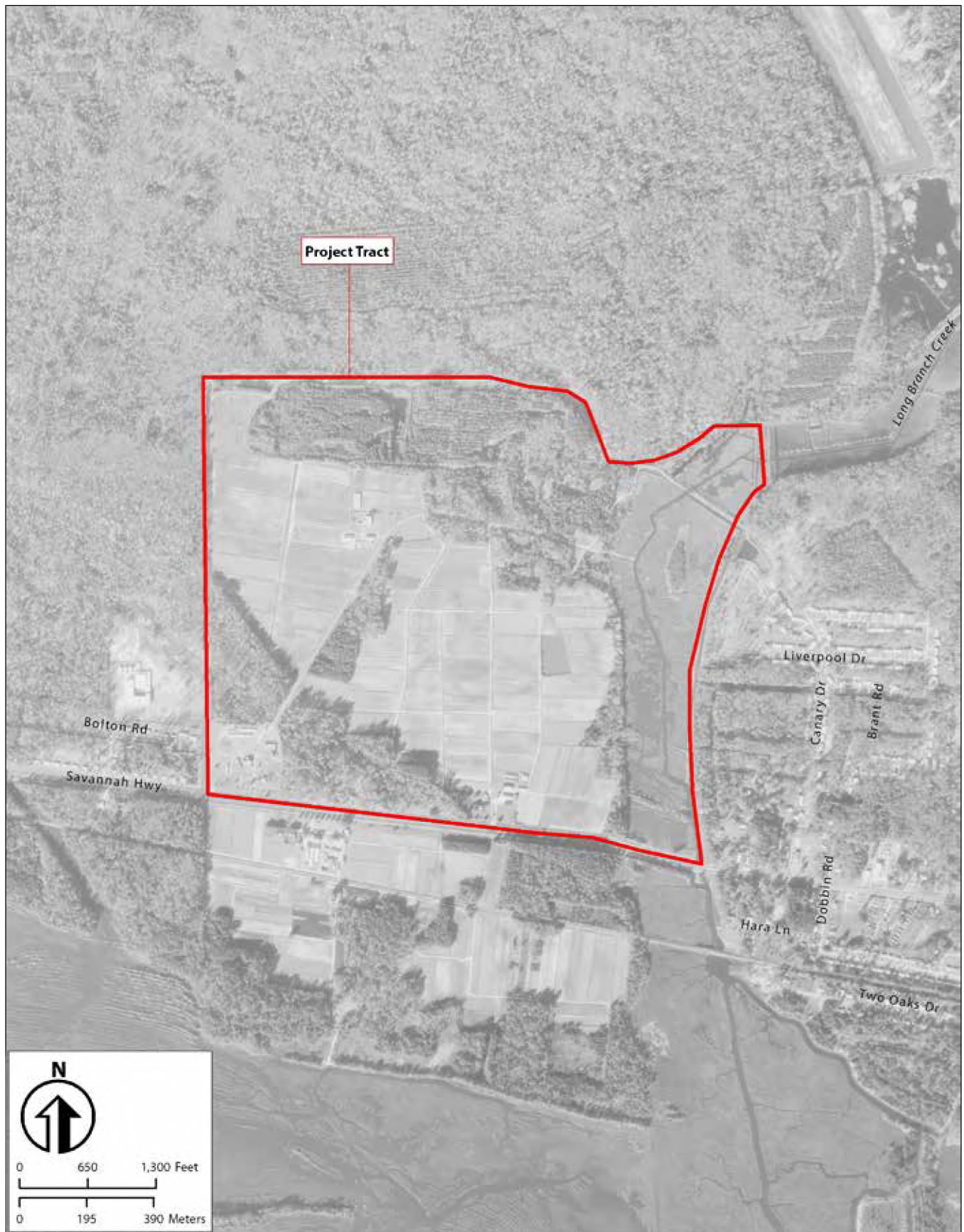


Figure 3.9 Project location on a 1971 USGS aerial photograph.

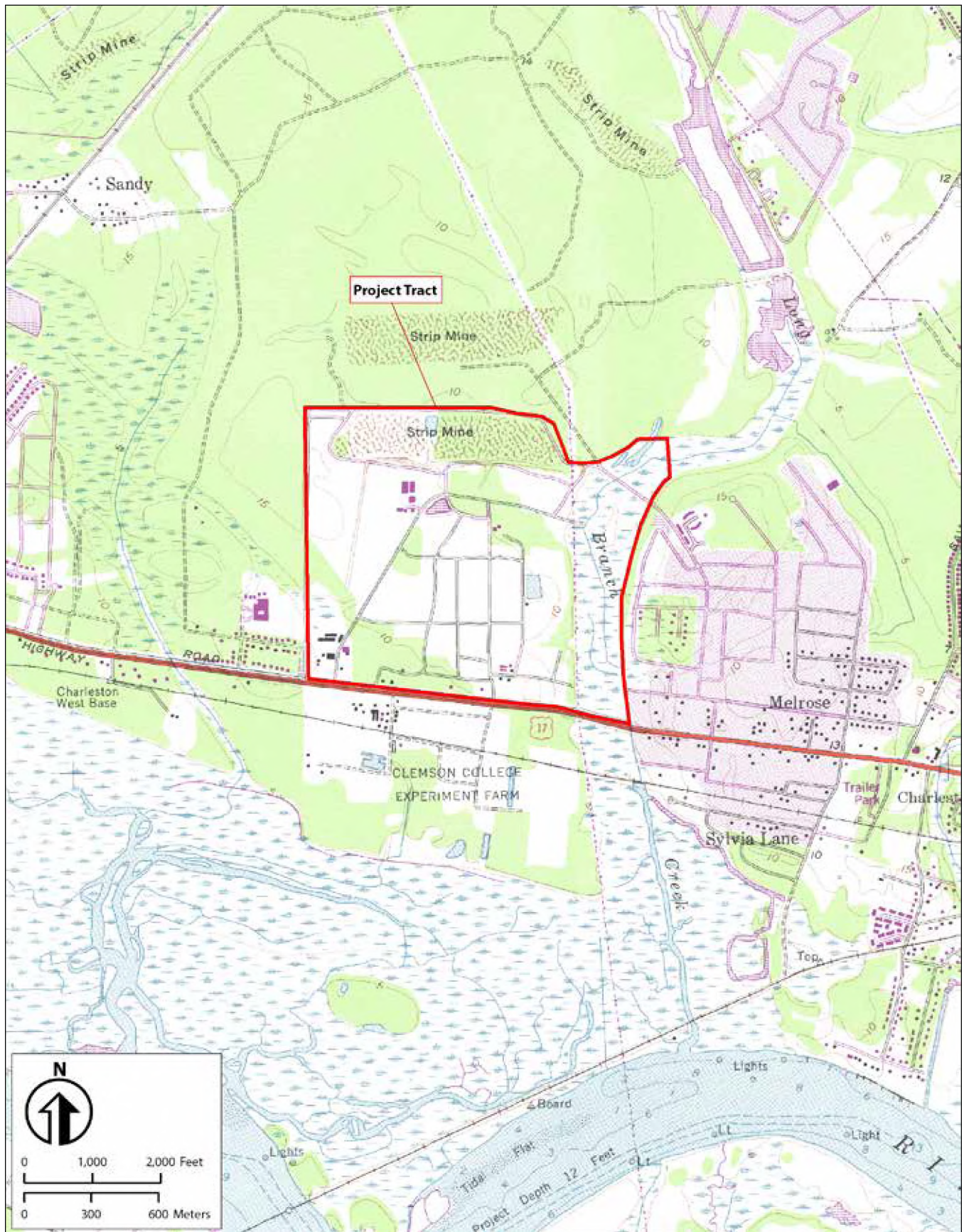


Figure 3.10 Project location on the 1979 John's Island, SC USGS topographic quadrangle.



Figure 3.11 Project location on a 1989 USGS aerial photograph.



Figure 3.12 Project location on a 1994 USGS aerial photograph.



Figure 3.13 Project location on a 2005 USGS aerial photograph.



Figure 3.14 The 1936 Southeastern Regional Vegetable Breeding Laboratory building (Building 1).

U.S. Forest Service

The U.S. Forest Service (USFS) leased 14.59 acres of land on this parcel from the USDA-ARS in 1964. The USFS constructed buildings to support their forestry sciences laboratory and other facilities known as the Center for Forested Wetlands Research, located at 2730 Savannah Highway in Charleston. The USFS built the brick Forestry Sciences Laboratory, a garage, and a headhouse/greenhouse in 1977 to house their offices and research work (USDA-ARS 2018). Much of their research work focused on finding ways to manage timber resources effectively over a wide range of land-use patterns and regions. The USFS's Research and Development Program on Loblolly Pine Management was headquartered at this location (Forestry Sciences Laboratory Dedication program). In a letter dated February 15, 2006, the USFS alerted the USDA-ARS of their plans to relocate their operations to the Santee Experimental Forest in approximately 12 to 18 months (referenced in a letter from Vicki McNutt to Phyllis Carter dated June 28, 2006). The 14.59 acres of land and all Forest Service buildings were reassigned to the USDA-ARS

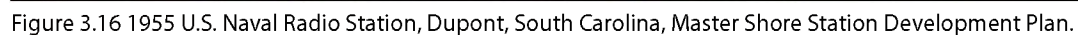
effective October 6, 2009 (letter from Vicki McNutt to Phyllis Carter dated January 10, 2010). In addition to the buildings constructed by the USFS, a trailer was placed on the parcel during the 1980s. These buildings and trailer remain on the USDA-ARS parcel. It is not clear if the buildings have remained vacant since the USFS relocated or if they have been used by the USDA-ARS.

U.S. Department of Agriculture 1970s to present

Following the reorganization of the USDA in 1972, two other research units located in Charleston merged with the old U.S. Vegetable Breeding Laboratory and the unit was renamed the U.S. Vegetable Laboratory. The Vegetable Insects and Nematology Units are now integral parts of the U.S. Vegetable Laboratory. In 1980, a weed science unit was established to study more selective herbicides to combat weeds (Wann 1981). The Weed Research/Central Supply Building/Building 41 (Resource 6452.02) is a contributing resource to the historic district (McCuin et al 2015). In 2004, a biologically-based management of vegetable crop diseases unit was created



Figure 3.15 Buildings, structures, and fields at the U.S. Vegetable Laboratory (image courtesy of the USDA U.S. Vegetable Laboratory).



to develop methods for controlling crop diseases (USDA-ARS 2016).

Current research at the U.S. Vegetable Laboratory focuses cultivar development and pest control. Crops covered by this program include snap beans, broccoli, cabbages, collards, cucumbers, watermelons, muskmelons, peppers, southern peas, greens and leafy vegetables, tomatoes, and sweet potatoes. In addition to the conventional methods of plant breeding and plant pest control, scientists at the U.S. Vegetable Laboratory are using new approaches and methodologies to advance the technology of vegetable production (USDA-ARS 2016).

Several buildings have been demolished or removed from the 451-acre property. Buildings 12, 37, 39, and 33 were demolished. In addition, most of the Navy buildings related to the U.S. Naval Radio Station, Dupont, South Carolina, Shore Station are no longer extant. Several buildings were removed prior to the construction of the 2003 U.S. Vegetable Laboratory building. The Clemson University Coastal Research and Education Center was located across Savannah Highway from the U.S. Vegetable Laboratory until March 2003, when both groups moved into the new U.S. Vegetable Laboratory office and laboratory designed, built, and operated by the USDA (USDA-ARS 2016).

In 2014, the 3.23-acre tract of the U.S. Vegetable Laboratory (including Building 1; see Figure 3.14, and Buildings 2, 38, 40, and 41) at 2875 Savannah Highway/U.S. Route 17 was identified by the USDA-ARS as excess. In 2015, Gray & Pape, under contract with Historical Research Associates, Inc., conducted a cultural resources investigation of the former U.S. Vegetable Laboratory (McCuin et al. 2015) for the General Services Administration (GSA). The GSA, acting on behalf of the USDA-ARS, coordinated the disposal and conveyance of the parcel to Clemson University. On April 15, 2019, the USDA-ARS, through the administration of the GSA, deeded the 3.23-acre tract with extant U.S. Vegetable Laboratory buildings and structures to Clemson University (CCDB:0789:620). A Memorandum of Agreement (MOA) was executed by the South Carolina State Historic Preservation Office (SHPO), Advisory Council on Historic Preservation (ACHP), the USDA, and the GSA on July 24, 2018 to resolve the adverse effects associated with the disposal and

anticipated demolition of these historic properties. Documentation materials related to the disposal of the 3.23-acre tract are posted for public access on the GSA website (GSA 2019).

4.0 Previously Identified Resources

4.1 Previously Recorded Resources Within the Study Area

Brockington reviewed previously identified NRHP-eligible and listed resources within the project tract and the surrounding area. The U.S. Vegetable Laboratory historic district is an NRHP-eligible historic district including two parcels that made up the original USDA U.S. Vegetable Laboratory. The NRHP-eligible historic district includes the 451-acre project tract on the north side of Savannah Highway/U.S. Route 17 and the adjacent 3.23-acre parcel on the south side of Savannah Highway/U.S. Route 17 (Figure 4.1). The 451-acre project tract (the northern portion of the identified historic district) has not been previously surveyed in its entirety. This 451-acre parcel is the subject of this survey report and includes buildings, structures, and landscape features such as fields, ponds, roadways, and abandoned phosphate mines.

The U.S. Vegetable Laboratory complex was identified and recommended as an NRHP-eligible historic district by McCuin et al. (2015). During the 2015 evaluation, McCuin et al. identified three contributing resources, two non-contributing resources, and two non-contributing landscape features within the 3.23-acre parcel south of Savannah Highway/U.S. Route 17, outside of the current project tract. The buildings recommended as contributing resources to the historic district convey how the U.S. Vegetable Laboratory accomplished the goal of crop improvement through experimentation (McCuin et al. 2015). Investigators recommended the district to be eligible for inclusion in the NRHP under Criterion A for its association with

the USDA's expansion of its research capabilities to assist farmers in efficiently producing goods across the country and for its association with improving produce cultivation in the southeastern United States from the mid-1930s to 2003 [for the 3.23-acre parcel]. McCuin et al. (2015) recommended that the historic district was not eligible for the NRHP under Criteria B or C. Table 4.1 provides a list of previously recorded resources within the U.S. Vegetable Laboratory historic district.

4.2 Previously Recorded Resources Within the Project Tract

The previously recorded U.S. Vegetable Laboratory historic district boundary was identified by McCuin et al. (2015) and recommended as NRHP-eligible. There are no previously recorded individual above-ground historic resources within the 451-acre project tract. Two archaeological sites are recorded within the project tract near Savannah Highway/U.S. Route 17 (see Figure 4.1).

Table 4.1 Previously recorded architectural resources in the NRHP-eligible U.S. Vegetable Laboratory historic district.

Resource Number	Building Name	Building Number	NRHP Status
6452	Office/Laboratory	Building 1	Contributing
6452.01	Headhouse/Greenhouse	Building 2	Contributing
6452.02	Weed Research/Central Supply Building	Building 41	Contributing
n/a	Former Military Radio Hut	Building 38	Non-contributing
n/a	Storage Shed	Building 40	Non-contributing
n/a	concrete pit	n/a	Non-contributing
n/a	fence	n/a	Non-contributing

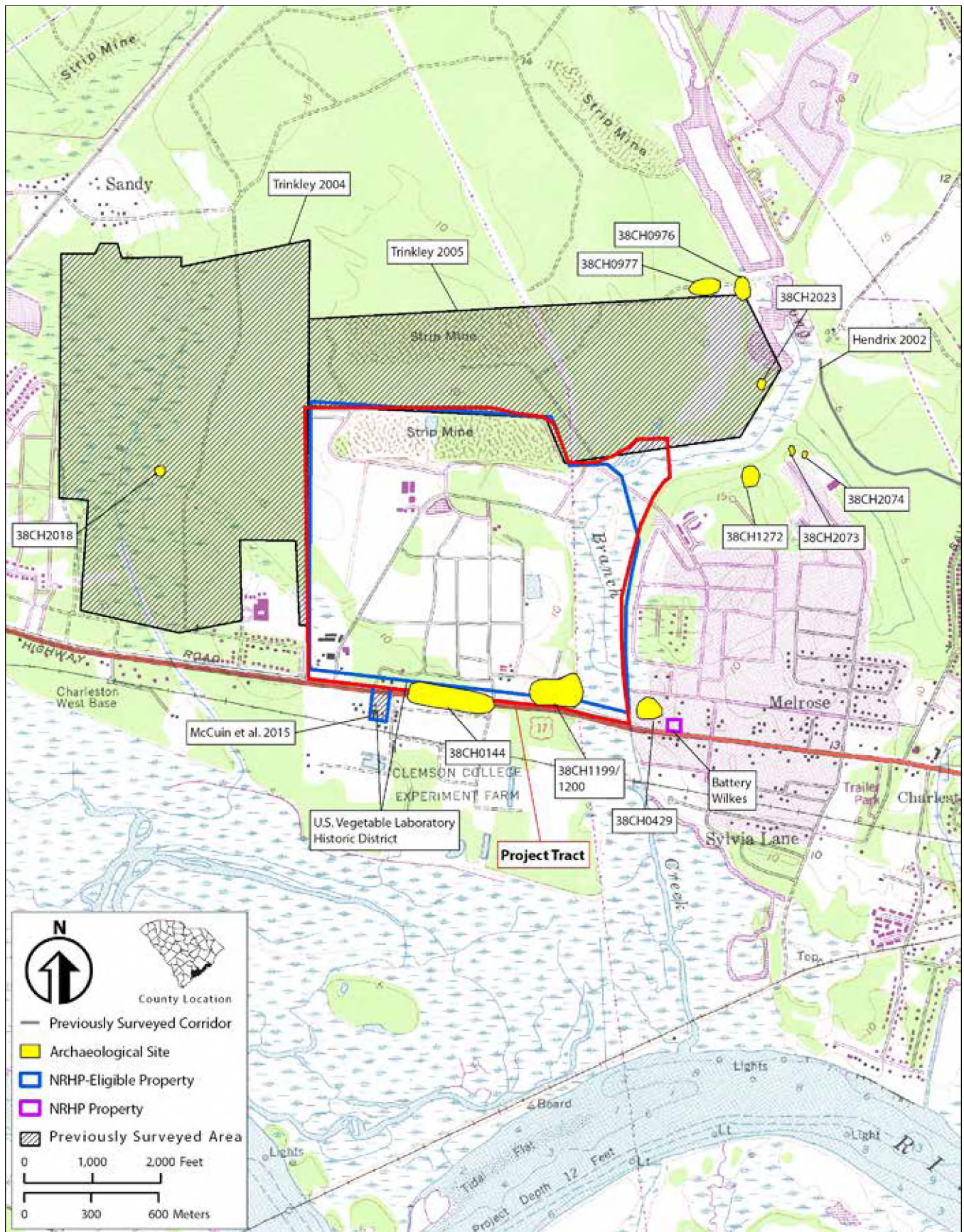


Figure 4.1 Previously recorded cultural resources and surveyed areas within the project tract and the surrounding study area on the 1979 John's Island, SC USGS topographic quadrangle.

5.0 Architectural Survey Results

5.1 Resources Within the U.S. Vegetable Laboratory Historic District

Brockington conducted an architectural survey of the 451-acre U.S. Vegetable Laboratory on August 29, 2019. To identify and assess resources within the NRHP-eligible U.S. Vegetable Laboratory historic district, Brockington surveyed all above-ground resources within the USDA-ARS-owned parcel (Figure 5.1). Brockington recorded 31 above-ground resources, 21 of which are at least 50 years of age. Resources that are less than 50 years of age were also recorded on survey forms and evaluated. All the surveyed resources were evaluated for inclusion in the NRHP individually and as contributing to the significance of the historic district. For more detailed information regarding surveyed resources, see the appendices: Appendix A provides a map of the historic district, Appendix B provides a complete list of surveyed resources, and SSHP forms are provided in Appendix C.

Recorded resources within the project tract are related to several contexts and periods of construction, including: original and continued vegetable growing, research, and experimentation; USFS lease of USDA land; U.S. Department of the Navy lease of USDA land for the U.S. Naval Department, Dupont, South Carolina, Shore Station; and phosphate mining activities. The majority of recorded resources in the project tract are related to agriculture.

Districts and their contributing resources must retain integrity to be eligible for listing in the NRHP. The U.S. Vegetable Laboratory historic district retains the physical evidence of developmental history. Specifically, this is evidenced by clustered groups of buildings and structures, rows and patterns of divided fields, the network of roads, and utilitarian buildings and structures with minimal architectural detailing (Figure 5.2). Although some buildings and structures may have undergone some alterations (e.g., replacement windows, doors, installation of window air conditioning units, retrofitting an original opening for a new use), many resources retain the integrity to visually convey their original form, period of significance, and method of construction. As a whole, the U.S. Vegetable Laboratory historic district (including 21 contributing buildings and

structures) maintains integrity of location, design, setting, materials, workmanship, feeling, and association.

5.2 U.S. Vegetable Laboratory Historic District Boundary

Brockington recommends retaining the boundary of the existing NRHP-eligible U.S. Vegetable Laboratory historic district. The historic district encompasses the two original USDA parcels: the 451 acres north of Savannah Highway/U.S. Route 17 and the 3.23-acre parcel south of Savannah Highway/U.S. Route 17. These parcels include the original boundaries and layout from the 1936 development of the USDA's Southeastern Regional Vegetable Breeding Laboratory.

According to Savage and Pope (1998:5), a district possesses "a significant concentration, linkage, or continuity of sites, buildings, structures, or objects united historically or aesthetically by plan or physical development". The district and the resources that contribute to the historic character of the district must possess integrity. The district must also be significant under Criteria A, B, C, or D. Finally, the district must be a unified entity whose identity is the result of the interrelationship of the resources that convey a visual sense of the historic environment (Savage and Pope 1998). The U.S. Vegetable Laboratory historic district is eligible for listing in the NRHP under Criterion A at the national level for its association with the USDA's 1930s expansion of its research capabilities in an effort to aid farm owners and operators in the efficient production of goods and at the regional level for its association with improved truck-farming produce throughout the Southeast.

Although many people have worked at the U.S. Vegetable Laboratory or have been associated with other goals of the research facility, the U.S. Vegetable Laboratory historic district is not recommended eligible under Criterion B. The majority of buildings and structures at the U.S. Vegetable Laboratory are not architecturally significant and are not representative examples of a type, period, or method of construction. Therefore, the U.S. Vegetable Laboratory historic district is not recommended as eligible

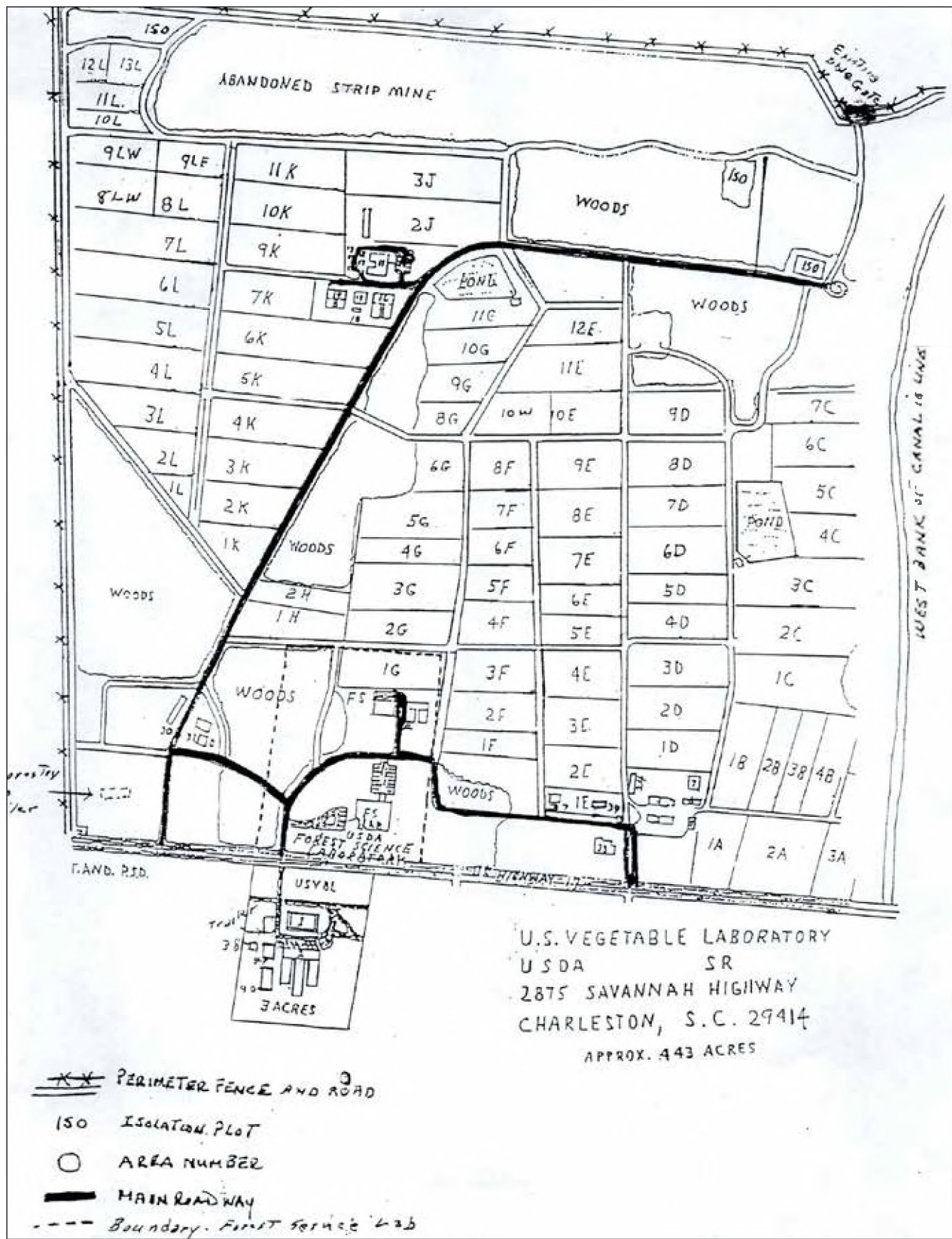


Figure 5.1 Map of USDA-ARS-owned U.S. Vegetable Lab property, courtesy of USDA-ARS.



Figure 5.2 Buildings 16, 17, and 19 (Headhouse Greenhouse/Building 16, Resource 6452.28; Sweet Potato Grade Storage/ Building 17, Resource 6452.26; and Headhouse Greenhouse/Building 19, (Resource 6452.24).

under Criterion C. The U.S. Vegetable Laboratory historic district is not recommended as eligible under Criterion D. Because the U.S. Vegetable Laboratory historic district is not likely to yield important information about prehistory or history, it is not eligible under Criterion D.

5.3 Contributing Resources to the U.S. Vegetable Laboratory Historic District

Of the 31 recorded architectural resources, 21 are recommended as contributing resources to the U.S. Vegetable Laboratory historic district. These contributing resources retain at least a moderate degree of integrity and contribute to the eligibility of the U.S. Vegetable Laboratory. The contributing resources reflect the core mission of the USDA's crop experimentation and research at the U.S. Vegetable Laboratory. Resources include headhouses, greenhouses, storage buildings, garages, a barn, implement and equipment sheds, two pump houses, and landscape features such as the road network and the divided agricultural fields.

The buildings and structures are generally utilitarian in nature and lack architectural detailing. The recorded contributing resources do not follow an academic style. The buildings and structures associated with the vegetable laboratory and its endeavors are more recognizable for their form and function rather than their design or architectural style. Table 5.1 presents a list of contributing resources within the historic district.

Contributing resources to the historic district are summarized below:

Threshing Room/Building 34

Resource 6452.10 (Figure 5.3) is a 1936, one-story, masonry utilitarian building with three garage bay openings on the east elevation and no windows. The two end garage bay openings have been closed and are clad in vertical board siding and the westernmost bay has been retrofit with a single-entry door and window. It is not clear if the function today is processing or storage.



Figure 5.3 Threshing Room/Building 34 (Resource 6452.10).

Table 5.1 Contributing resources (newly recorded) within the NRHP-eligible U.S. Vegetable Laboratory historic district.

Site No.	Historic Name	Common Name	Construction Date
6452.03	Department of Navy Building 56/Subsistence Bldg.	Quonset Storage/Building B030	1954
6452.04	Department of Navy Building 49/Pump House	Maintenance Shop/Building B031	1954
6452.10	Threshing Room	Building B034	1936
6452.11	Tractor Shed	Building B024	ca. 1974
6452.12	Growth Rooms Storage	Building B004	1939
6452.13	Implement Shed/Farm Shop	Building B003	1936
6452.14	Implement Shed	Building B007	ca. 1960
6452.15	Implement Shed	Building B006	1950
6452.16	Barn	Barn/Pesticide Storage/Building B005	1936
6452.17	Roads		ca. 1920-1981
6452.18	Agricultural fields		ca. 1930s
6452.22	Garage/Shop	Entomology Building/Building B013	1971
6452.23	Department of Navy Building 11/Operating Bldg. #2	Office/Lab/Building 11	1954
6452.24	Headhouse Greenhouse	Building B019	ca. 1967
6452.25	Dutch Style Shed	Building B032	ca. 1967
6452.26	Sweet Potato Grade Storage	Building B017	1974
6452.27	Storage	Building B018	1967
6452.28	Headhouse Greenhouse	Building B016	1967
6452.29	Pump House 2	Building B00B/PH2	ca. 1960?
6452.33	Pump House 1	Building B00A/PH1	ca. 1960
6452.21	Screenhouse Cage	Building B021	1973

Tractor Shed/Building 24

Resource 6452.11 (figure 5.4) is a ca. 1974, one-story, rectangular-shaped frame building with a hip roof clad in raised seam metal. The building is open on the east elevation, and it functions as an outbuilding for the storage of farm equipment.

Growth Rooms Storage/Building 4

Resource 6452.12, constructed in 1939, is a one-and-a-half-story masonry building with a lateral-gable roof clad in raised seam metal (see Figure 5.5). There is a slab foundation. A simple shed roof is at both the north and south entrance bays. The entrance bays include glazed double doors with transom and side lights. A brick, one-story, possibly historic addition is on the east and includes a single-entry metal door on the east and south elevations, and a vertical, wood-sided addition on the north elevation. A metal staircase has been added to the west elevation and provides access to the upper half story. It is not clear if the function today is processing or storage.

Implement Shed/Farm Shop/Building 3

Resource 6452.13, constructed in 1936, is a one-story rectangular frame building clad in vertical wood-siding and a foundation of slab construction and stuccoed masonry (see Figure 5.6). The north and south elevations include eight bay openings with roll up doors and one metal, single-entry door. This building's function is as an outbuilding.

Implement Shed/Building 7

Resource 6452.14 (Figure 5.7) is a ca. 1960 one-story, open structure with round timber supports and a lateral-gable roof clad in raised seam metal. It is used as open storage for farm implements and equipment.

Implement Shed/Building 6

Resource 6452.15 (Figure 5.8) is a 1950, one-story open structure with round timber supports and a lateral-gable roof clad in raised seam metal. It is used as open storage for farm implements and equipment.



Figure 5.4 Tractor Shed/Building 24 (Resource 6452.11).



Figure 5.5 Growth Rooms Storage/Building 4 (Resource 6452.12).



Figure 5.6 Implement Shed/Farm Shop/Building 3 (Resource 6452.13).



Figure 5.7 Implement Shed/Building 7 (Resource 6452.14).



Figure 5.8 Implement Shed/Building 6 (Resource 6452.15).

Barn/Pesticide Storage/Building 5

Resource 6452.16 (Figure 5.9) is a rectangular, one-and-a-half-story, frame, end to front-gable roof building, which is clad in vertical plank siding with three single 6/6, double-hung, wood sash windows on the north, east, west elevations and an additional window on north in the upper half story. The foundation is stuccoed masonry and the roof is clad in raised seam metal. Single-entry doors are on the north, east, and west elevations. The building first was used as a barn. The current function is for storage.

Road system

Resource 6452.17 (Figure 5.10) includes the road system throughout the project tract. The system of unimproved and improved roads associated with the USDA-ARS property include all those that existed prior to the USDA's ownership (see Figure 3.4 for the 1920 topographical map), those that were constructed for the USDA's use (Figure 3.5), and those that were constructed or improved for the Navy's use (1942-1957) when the Department of the Navy U.S.

Radio Station, Dupont, SC occupied portions of the property (see Figure 3.7). The road system includes all roads within the original 451-acre parcel at 2700 Savannah Highway on the north side of Savannah Highway.

Agricultural fields

Resource 6452.18 (Figure 5.11) includes the agricultural fields associated with the USDA-ARS property. The fields include all those numbered fields within the original 451-acre parcel at 2700 Savannah Highway on the north side of Savannah Highway (see Figure 5.1 and 3.15).

Garage/Shop/Entomology Building/Building 13

Resource 6452.22 (Figure 5.12) is a one-story, metal building with an end to front-gable roof, clad in raised seam metal, with a roll up garage door on the east. Constructed in 1971, the building is now used as a garage/shop by the USDA.



Figure 5.9 Barn/Pesticide Storage/Building 5 (Resource 6452.16).



Figure 5.10 Road system at USDA-ARS property (Resource 6452.17).



Figure 5.11 Agricultural fields at USDA-ARS property (Resource 6452.18).



Figure 5.12 Garage/Shop/Entomology Building/Building 13 (Resource 6452.22).

Headhouse Greenhouse/Building 19

Resource 6452.24 (Figure 5.13) is a ca. 1967, one-story, masonry building with a lateral-gable roof clad in composition shingle on a slab foundation. Building 19 and Building 16 are similar in construction and architectural details. These buildings have a slight wing at the roof line, broad overhanging eaves, and Moderne details including horizontal multi-pane windows on all sides and a broad horizontal band above the door/window frame. Two greenhouses extend off the south elevation of the headhouse. The building functions as a research and horticultural facility.

Dutch Style Shed/Building 32

Resource 6452.25 (Figure 5.14) is a one-and-a-half-story, pre-fabricated shed with gambrel roof, vertical plank siding, and asphalt shingle covered roof. Constructed ca. 1967, the shed includes double doors and window in half story on the north elevation. The building is used for storage.

Headhouse Greenhouse/Building 16

Resource 6452.28 (Figure 5.15) is a 1967, one-story, masonry building with a lateral-gable roof clad in

composition shingle on a slab foundation. Building 19 and Building 16 are similar in construction and architectural details. These buildings have a slight wing at the roof line, broad overhanging eaves, and Moderne details including horizontal multi-pane windows on all sides and a broad horizontal band above the door/window frame. Two greenhouses extend off the south elevation of the headhouse. The building functions as a research and horticultural facility.

Sweet Potato Grade Storage/Building 17

Resource 6452.26, built in 1974, is a one-story metal storage shed with a single-entry door and roll up garage door on north elevation (see Figure 5.16). Metal clerestory windows are on the north and south elevations. The building functions as a research and horticultural facility.

Storage/Building 18

Resource 6452.27, built in 1967, is a one-story steel, end to front-gable building with metal double doors on the east and a single-entry door on the west (see Figure 5.17). The building is used for storage.



Figure 5.13 Headhouse Greenhouse/Building 19 (Resource 6452.24).



Figure 5.14 Dutch Style Shed/Building 32 (Resource 6452.25).



Figure 5.15 Headhouse Greenhouse/Building 16 (Resource 6452.28).



Figure 5.16 Sweet Potato Grade Storage/Building 17 (Resource 6452.26).



Figure 5.17 Storage/Building 18 (Resource 6452.27).

Pump House 2/Building B00B/PH2

Resource 6452.29 (Figure 5.18) is a ca. 1960, one-story, frame pump house building that houses a pump system. The building is clad in synthetic siding, has a slab foundation, and end to front gable roof covered in composition shingle. The building is an irrigation facility.

Pump House 1/Building B00A/PH1

Resource 6452.33 (Figure 5.19) is a ca. 1960 one-story, wood frame pump house building that houses a pump system. The rectangular building is clad in synthetic siding, has a hip roof clad in composition shingle and is on a slab foundation. The building is an irrigation facility.

Screenhouse Cage

Resource 6452.21 is a one-story, rectangular-shaped, screened cage structure with screening for walls and roof, from 1973 (see Figure 5.20). The visible foundation is continuous concrete block.

The U.S. Department of the Navy leased 95.8 acres of USDA land on the 451-acre parcel and constructed numerous buildings and structures for its radio station, U.S. Naval Shore Station, Dupont, South Carolina. Extant buildings that are contributing resources to the historic district are Department of Navy Building 11/Operating Bldg. #2/ Office/Lab/ Building 11, a pump house for an abandoned reservoir, and a Quonset Hut that served as a mess hall. Three of the buildings constructed by the Navy are recommended as contributing resources to the historic district because they became an integral part of the USDA-ARS's work after they were abandoned by the Navy. The pump house, Quonset hut, and Navy Department Operating Building 2 appear to have been integrated into the USDA-owned buildings as storage buildings and as a laboratory/office.



Figure 5.18 Pump House 2/Building B00B/PH2 (Resource 6452.29).



Figure 5.19 Pump House 1/Building B00B/PH2 (Resource 6452.33).



Figure 5.20 Screenhouse cage (Resource 6452.21).

Department of Navy Building 11/Operating Bldg. #2/ Office/Lab/Building 11

Resource 6452.23 (Figure 5.21) is a currently known as USDA Office/Lab/Building 11. The building is one-story, “U” shaped, stuccoed masonry, with flat roof and raised basement. There are no windows. A set of double doors, currently mothballed, provides access to the building on the east façade. Constructed by the Navy in 1954 as one of three main radio command operating buildings at the Dupont Radio Station, the USDA continued to use the building as an office and vegetable laboratory after the Navy abandoned the Dupont Shore Station in 1957.

Department of Navy Building 49/Pump House/Maintenance Shop/Building 31

Resource 6452.04 (Figure 5.22) is a one-and-a-half-story, front-gable roof, masonry building with gable vents and a roll up garage door on the south elevation. Windows include a horizontal pane window on south elevation and mothballed window openings on the east, west, and north elevations. The building originally housed mechanical equipment related to

a no longer extant reservoir to the building’s north and is currently used by the USDA as a maintenance shop.

Department of Navy Building 56/Subsistence Bldg./ Quonset Storage/Building 30

Resource 6452.03 (Figure 5.23) is a corrugated metal, one-story Quonset hut with casement windows on the south elevation and roll up garage door on north elevation. There are numerous windows on the sides that are covered with corrugated metal. A concrete foundation wall rises approximately 2 feet from the ground. Constructed in 1954 by the Department of the Navy as a Subsistence Building, the Quonset hut is used as a storage facility for the USDA.



Figure 5.21 U.S. Department of Navy Building 11/Operating Bldg. #2, now referred to as Office/Lab/Building 11 (Resource 6452.23), currently vacant.



Figure 5.22 U.S. Department of Navy Building 49/Pump House now known as Maintenance Shop/Building 31 (Resource 6452.04).



Figure 5.23 U.S. Department of Navy Building 56/Subsistence Bldg., now known as Quonset Storage/Building 30 (Resource 6452.03).

5.4 Non-Contributing Resources to the U.S. Vegetable Laboratory Historic District

Of the 31 recorded architectural resources, 10 do not contribute to the eligibility of the U.S. Vegetable Laboratory historic district. Those resources identified as non-contributing include resources that were constructed outside the period of significance (1936 to ca. 1980) or are not associated with the USDA's vegetable breeding and research work.

USDA Vegetable Laboratory and Office/Building 44

Resource 6452.20 (Figure 5.24) is the contemporary, 69,500-sq. ft, two-story brick building with two rectangular wings connected by walkways at end of each wing centered around courtyard. Constructed in 2003, the two-story building is irregular in shape, clad in brick, and on a slab foundation. Kenneth M. Betsch, AIA, Odell Assoc., Inc. designed the building to house the administrative offices and laboratories for the USDA Vegetable Laboratory.

Headhouse Greenhouse Complex/Building 45

Resource 6452.19 (Figure 5.25) is a one-story, Kenneth M. Betsch, AIA-designed headhouse building on a slab foundation with brick exterior and raised seam metal lateral gable roof. Multiple greenhouses extend to the north from the rear of the building.



Figure 5.24 USDA Vegetable Laboratory and Office/Building 44 (Resource 6452.20).



Figure 5.25 Headhouse Greenhouse Complex/Building 45 (Resource 6452.19).

Abandoned phosphate mines

Resource 6452.30 (Figure 5.26) is a landscape feature of abandoned phosphate mines that date to ca. 1900 when Charleston Mining & Manufacturing Co. owned the property. These are representative of machine-excavated mines and most likely date to the early twentieth century when this land was owned and operated by the CMMC. The phosphate mines would have had a series of tracks to remove the phosphate and transport it to another area.

Four resources associated with the USFS were identified and recorded as non-contributing resources to the U.S. Vegetable Laboratory historic district. In 1977, during the USFS's lease of a 14-acre parcel within the USDA-ARS's 451-acre parcel, the USFS constructed a garage building, a headhouse and greenhouse complex, and an office and laboratory building. The USFS also had an office in a trailer that was temporarily moved onto the property and is still there today. None of these resources contribute to the U.S. Vegetable Laboratory historic district since they are not associated with the USDA's vegetable breeding and research work.

USFS Garage Workshop/Building 49

Resource 6452.08 (Figure 5.27) is a one-story, frame, gabled building with gable vents, clad in vertical siding with a brick exterior at base. There are four metal rolling garage doors on the north elevation.; one garage door on east elevation and a metal, single-entry door on west and south elevations. It is not clear if the function today is storage or if the building is vacant.

USFS Headhouse and Greenhouse complex/ Building 46-48

Resource 6452.09 (Figure 5.28) is a one-story, frame, gabled building with gable vents, clad in vertical siding with brick exterior at the base. The headhouse is constructed much like the garage workshop and has two greenhouses extending off roof gables on the south elevation. It is not clear if the function today is storage or if the building is vacant.



Figure 5.26 Abandoned phosphate mines at the northern portion of the USDA-ARS property (Resource 6452.30).



Figure 5.27 USFS Garage Workshop, now referred to as Building 49 (Resource 6452.08).



Figure 5.28 USFS Headhouse and Greenhouse complex, now referred to as Building 46-48 (Resource 6452.09).

USFS Office and Laboratory/Building 50

Resource 6452.07 (Figure 5.29) is a one-story, brick building, with mansard-like roof clad with standing seam copper. The south and north elevations have multiple recessed units with large fixed windows. A main entry is on west elevation and a garage bay is at the rear of the building on the north elevation.

USFS trailer

Resource 6452.06 (Figure 5.30) is a ca. 1970 one-story steel mobile home with slightly rounded metal roof. The trailer was trailered here in the 1980s for temporary office use by the USFS. The trailer is now vacant.

Five identified resources on the property are associated with the U.S. Navy installation that was present during World War II until 1957. Two of these resources do not contribute to the U.S. Vegetable Laboratory historic district. Extant buildings that are not contributing resources are the ruins of Department of the Navy Building 45/Operating Building 3 and the ruins of a brick hose house. Neither of these resources contribute to the U.S. Vegetable Laboratory historic district, as they are

not associated with the USDA's vegetable breeding and research work.

Department of Navy Building 45/Operating Building 3, Ruin

Resource 6452.32 (Figure 5.31) is the ruins of a building. The only visible feature is the raised foundation, which dates to at least 1954 when it was used as one of three Radio Operating Station buildings for the Department of the Navy. The foundation is within a densely overgrown area.

Ruins of a brick hose house

Resource 6452.31 (Figure 5.32) is the ruins of a small, one-story, brick building that dates to at least 1954 and was used by the Department of Navy. The structure is vacant and in a state of disrepair.

Shed

Resource 6452.05 (Figure 5.33) is a small, frame shed building with no windows. The shed dates to 1954 and may have been used as a storage building by the Navy. It is located in an area of Navy housing and administrative buildings from the Dupont Radio Station.



Figure 5.29 USFS Office and Laboratory now known as Building 50, (Resource 6452.07) currently vacant.



Figure 5.30 USFS trailer, (Resource 6452.06), currently vacant.



Figure 5.31 Department of Navy Building 45/Operating Building 3, Ruin (Resource 6452.32).



Figure 5.32 Ruins of a brick hose house (Resource 6452.31).



Figure 5.33 Department of Navy Shed (Resource 6452.05).

6.0 Summary and Recommendations

Brockington recorded all extant buildings and structures, including those historic resources constructed by 1974 (to include those resources that are 50 years of age and those that will become 50 years old in five years) and those that are less than 50 years of age, within the previously identified NRHP-eligible U.S. Vegetable Laboratory historic district boundary. Brockington recorded and surveyed 31 above-ground resources, identifying 21 contributing resources and 10 non-contributing resources. Of the surveyed properties, all are newly recorded resources. Surveyed resources were evaluated for inclusion in the NRHP individually and as contributing to the significance of the NRHP-eligible U.S. Vegetable Laboratory historic district. See Appendix B for a list of all surveyed resources on the project tract, including contributing and non-contributing resources within this portion of the U.S. Vegetable Laboratory historic district.

6.1 U.S. Vegetable Laboratory Historic District Boundary

Brockington recommends retaining the boundary of the existing NRHP-eligible U.S. Vegetable Laboratory historic district. The historic district encompasses the two original USDA parcels: the 451-acre parcel on the north side of Savannah Highway/U.S. Route 17 and the 3.23-acre parcel on the south side of Savannah Highway/U.S. Route 17. These parcels include the original boundaries and layout from the 1936 development of the USDA's Southeastern Regional Vegetable Breeding Laboratory. The U.S. Vegetable Laboratory historic district is eligible for listing under Criterion A at the national level for its association with the USDA's 1930s expansion of its research capabilities in an effort to aid farm owners and operators in the efficient production of goods and at the regional level for its association with improved truck-farming produce throughout the Southeast. The historic district is not recommended as eligible under Criteria B, C, or D.

Both parcels that make up the U.S. Vegetable Laboratory historic district were part of the original 1936 USDA layout of agricultural fields, horticultural facilities, storage buildings, and laboratory

buildings. Even with changes to the built environment, the U.S. Vegetable Laboratory historic district retains integrity of location, design, setting, materials, workmanship, feeling, and association.

6.2 Contributing Resources to the U.S. Vegetable Laboratory Historic District

Adding Brockington's findings from this survey and assessment for the resources identified within the 451-acre project tract to include resources that are architecturally and historically significant to the U.S. Vegetable Laboratory will not change the original historic context for the U.S. Vegetable Laboratory historic district. Many of the extant resources within this project tract are resources that were constructed within the identified period of significance (1936-ca. 1980) and retain at least a sufficient degree of integrity. The 21 newly recorded resources identified as contributing resources to the U.S. Vegetable Laboratory historic district include vegetable breeding and research-related resources associated with activities that have made significant contributions to the patterns of our national, regional, and local history (Criterion A). The historic resources within the 451-acre parcel combined with the historic resources from the 2015 survey and assessment of the 3.23-acre parcel (McCuin et al. 2015) represent resources with a variety of functions, forms, and styles that clearly convey a visual sense of the historic environment.

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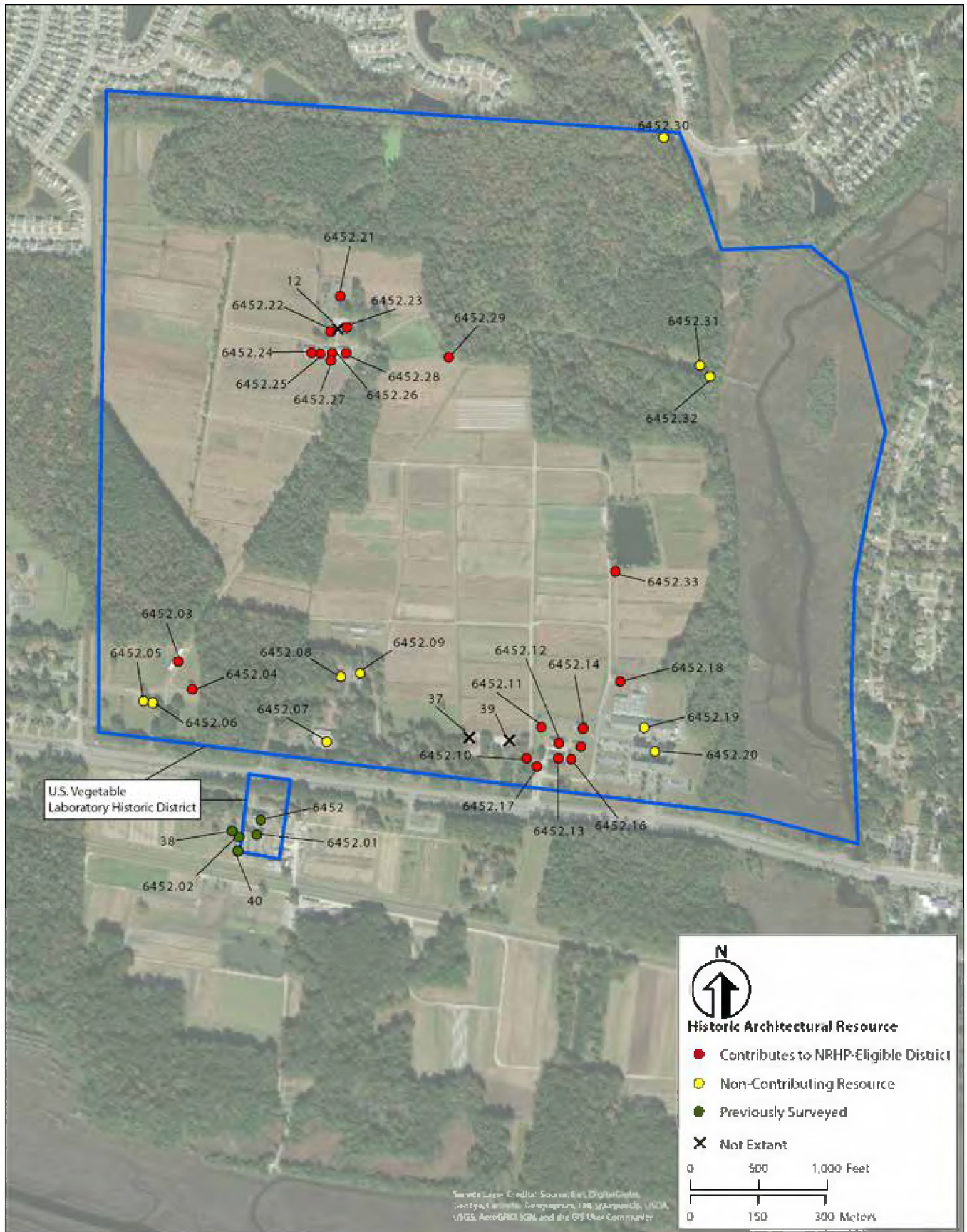
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Archival Resources

USDA-ARS U.S. Vegetable Laboratory, Charleston, South Carolina. Letters, maps, archived programs, photographs.

Appendix A

Map of Surveyed Resources at USDA-ARS U.S. Vegetable Laboratory Historic District



Appendix B

Inventory of Surveyed Resources at USDA-ARS U.S. Vegetable Laboratory Historic District

Site Number	Historic Name	Common Name/Number	Address/Location	City	Construction Date	NRHP Status
6452.03	Department of Navy Building 56/Subsistence Bldg.	Quonset Storage/Building B030	2700 Savannah Highway	Charleston	1954	Contributes to Eligible District
6452.04	Department of Navy Building 49/Pump House	Maintenance Shop/Building B031	2700 Savannah Highway	Charleston	1954	Contributes to Eligible District
6452.05	Department of Navy Shed		2700 Savannah Highway	Charleston	1954	Not Eligible
6452.06	U.S. Forest Service Trailer		2700 Savannah Highway	Charleston	ca. 1970	Not Eligible
6452.07	U.S. Forest Service Laboratory	Building B050	2705 Savannah Highway	Charleston	1977	Not Eligible
6452.08	U.S. Forest Service Garage Workshop	Building B049	2705 Savannah Highway	Charleston	1977	Not Eligible
6452.09	U.S. Forest Service Headhouse Greenhouse	Building B046-B048	2705 Savannah Highway	Charleston	1977	Not Eligible
6452.10	Threshing Room	Building B034	2700 Savannah Highway	Charleston	1936	Contributes to Eligible District
6452.11	Tractor Shed	Building B024	2700 Savannah Highway	Charleston	ca. 1974	Contributes to Eligible District
6452.12	Growth Rooms Storage	Building B004	2700 Savannah Highway	Charleston	1939	Contributes to Eligible District
6452.13	Implement Shed/Farm Shop	Building B003	2700 Savannah Highway	Charleston	1936	Contributes to Eligible District
6452.14	Implement Shed	Building B007	2700 Savannah Highway	Charleston	ca. 1960	Contributes to Eligible District
6452.15	Implement Shed	Building B006	2700 Savannah Highway	Charleston	1950	Contributes to Eligible District
6452.16	Barn	Barn/Pesticide Storage/Building B005	2700 Savannah Highway	Charleston	1936	Contributes to Eligible District
6452.17	Road system at USDA-ARS property		2700 Savannah Highway	Charleston	ca. 1920; ca. 1942	Contributes to Eligible District
6452.18	Agricultural fields at USDA-ARS property		2700 Savannah Highway	Charleston	ca. 1930s	Contributes to Eligible District
6452.19	Headhouse Greenhouse Complex	Building B045	2700 Savannah Highway	Charleston	2005, 2010	Not Eligible
6452.20	USDA Vegetable Laboratory	Building B044	2700 Savannah Highway	Charleston	2003	Not Eligible
6452.21	Screenhouse cage	Building B021	2700 Savannah Highway	Charleston	1973	Contributes to Eligible District
6452.22	Garage/Shop	Entomology Building/Building B013	2700 Savannah Highway	Charleston	1971	Contributes to Eligible District
6452.23	Department of Navy Building 11/Operating Bldg. #2	Office/Lab/Building 11	2700 Savannah Highway	Charleston	1954	Contributes to Eligible District
6452.24	Headhouse Greenhouse	Building B019	2700 Savannah Highway	Charleston	ca. 1967	Contributes to Eligible District
6452.25	Dutch Style Shed	Building B032	2700 Savannah Highway	Charleston	ca. 1967	Contributes to Eligible District
6452.26	Sweet Potato Grade Storage	Building B017	2700 Savannah Highway	Charleston	1974	Contributes to Eligible District
6452.27	Storage	Building B018	2700 Savannah Highway	Charleston	1967	Contributes to Eligible District
6452.28	Headhouse Greenhouse	Building B016	2700 Savannah Highway	Charleston	1967	Contributes to Eligible District
6452.29	Pump House 2	Building B00B/PH2	2700 Savannah Highway	Charleston	ca. 1960	Contributes to Eligible District
6452.30	Abandoned phosphate mines		2700 Savannah Highway	Charleston	ca. 1900	Not Eligible
6452.31	Department of Navy Hose House, Ruin		2700 Savannah Highway	Charleston	1954	Not Eligible
6452.32	Department of Navy Building 45/Operating Bldg. #3, Ruin		2700 Savannah Highway	Charleston	1954	Not Eligible
6452.33	Pump House 1	Building B00A/PH1	2700 Savannah Highway	Charleston	ca. 1960	Contributes to Eligible District

Appendix C

Historic Property Survey Forms

Statewide Survey of Historic Properties
State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
Columbia, SC 29223-4905 (803) 896-6100

U / 6452.03 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: Department of Navy Building 56/Subsistence Bldg.

Common Name: Quonset Storage/Building B030

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of ☐

County: Charleston

Ownership: Federal

Category: Building

Historical Use: Defense

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1954

Construction: Steel

Construction (if Other):

Historic Core Shape: U

Historic Core Shape (if Other):

Exterior Walls: Other

Exterior Walls (if Other): corrugated metal

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Other

Roof Shape (if Other): arched

Roof Materials: Other metal

Roof Materials (if Other): corrugated metal

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: corrugated metal, 1-story Quonset hut building with casement windows on S elev. and roll up garage door on N elev. Numerous vents at ridge on roof. Windows on sides covered with corrugated metal. Concrete foundation wall approx. 2 feet from ground

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: part of Navy development on leased USDA, ARS land, 1942-1957

Source of Information: U.S. Naval Radio Station, Dupont, S.C., Master Shore Station Development Plan, Dept. of the Navy, 1954;
Master Shore Station Development Plan, Dept. of the Navy, 1955

Digital Photo ID(s):

Digital Photo ID 01:	06452031	Digital Photo ID 06:
View 01	facing N	View 06
Digital Photo ID 02:	06452032	Digital Photo ID 07:
View 02	facing SW	View 07
Digital Photo ID 03:		Digital Photo ID 08:
View 03		View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
Columbia, SC 29223-4905 (803) 896-6100

U / 6452.04

Status Site No.

Revisit: ☐

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form


Identification

Historic Name: Department of Navy Building 49/Pump House

Common Name: Maintenance Shop/Building B031

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of 

County: Charleston

Ownership: Federal

Category: Building

Historical Use: Defense

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1954

Construction: Masonry

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls: Other

Exterior Walls (if Other): concrete block

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, end to front

Roof Shape (if Other):

Roof Materials: Composition shingle

Roof Materials (if Other):

Stories: 1 1/2 stories

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1.5-story, front-gable roof, masonry bldg. w/ gable vents; roll up garage door on S elev.; horiz. pane window on S elev.; mothballed window openings on E, W, N elev.; single entry door on W elev.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: part of Navy development on leased USDA, ARS land, 1942-1957

Source of Information: U.S. Naval Radio Station, Dupont, S.C., Master Shore Station Development Plan, Dept. of the Navy, 1954;
Master Shore Station Development Plan, Dept. of the Navy, 1955

Digital Photo ID(s):

Digital Photo ID 01:	06452033	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452034	Digital Photo ID 07:
View 02	facing NW	View 07
Digital Photo ID 03:	06452035	Digital Photo ID 08:
View 03	facing SW	View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

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U / 6452.05

Status Site No.

Revisit: ☐

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form


Identification

Historic Name: Department of Navy Shed

Common Name:

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of 

County: Charleston

Ownership: Federal

Category: Structure

Historical Use: Defense

Historical Use (if Other):

Current Use: Unknown

Current Use (if Other):

SHPO National Register Determination of Eligibility: Not Eligible

Property Description

Construction Date: 1954

Construction: Frame

Construction (if Other):

Historic Core Shape: Square

Historic Core Shape (if Other):

Exterior Walls: Other

Exterior Walls (if Other): plywood

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, end to front

Roof Shape (if Other):

Roof Materials: Composition shingle

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story, end to front gable roof shed, sheathed in plywood. The shed has no windows, plywood doors, and exposed rafters.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: part of Navy development on leased USDA, ARS land, 1942-1957

Source of Information: U.S. Naval Radio Station, Dupont, S.C., Master Shore Station Development Plan, Dept. of the Navy, 1954;
Master Shore Station Development Plan, Dept. of the Navy, 1955

Digital Photo ID(s):

Digital Photo ID 01:	06452036	Digital Photo ID 06:
View 01	facing SE	View 06
Digital Photo ID 02:		Digital Photo ID 07:
View 02		View 07
Digital Photo ID 03:		Digital Photo ID 08:
View 03		View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

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U / 6452.06 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: U.S. Forest Service Trailer

Common Name:

Address/Location: 2700 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Building

Historical Use: Agriculture/Subsistence Historical Use (if Other):

Current Use: Unknown Current Use (if Other):

SHPO National Register Determination of Eligibility: Not Eligible

Property Description

Construction Date: ca. 1970

Construction: Steel

Historic Core Shape: Rectangular

Exterior Walls: Other

Foundation: Not visible

Commercial Form:

Roof Shape: Other

Roof Materials: Other metal

Stories: 1 story

Porch Width: Entrance bay only

Porch Shape: Flat

Construction (if Other):

Historic Core Shape (if Other):

Exterior Walls (if Other): Ridged metal

Foundation (if Other):

Commercial Form (if Other):

Roof Shape (if Other): slightly rounded

Roof Materials (if Other): sheet metal

Stories (if Other):

Porch Width (if Other):

Porch Shape (if Other):

Description/Significant Features: 1-story metal mobile home with slightly rounded metal roof

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: trailor was placed here for US Forest Service between 1971 and 1989

Source of Information: 1971, 1989 aerial photographs

Digital Photo ID(s):

Digital Photo ID 01:	06452037	Digital Photo ID 06:
View 01	facing W	View 06
Digital Photo ID 02:		Digital Photo ID 07:
View 02		View 07
Digital Photo ID 03:		Digital Photo ID 08:
View 03		View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

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U / 6452.07 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: U.S. Forest Service Laboratory
Common Name: Building B050
Address/Location: 2705 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Building
Historical Use: Agriculture/Subsistence Historical Use (if Other):
Current Use: Other Current Use (if Other):
SHPO National Register Determination of Eligibility: Not Eligible

Property Description

Construction Date: 1977
Construction: Frame Construction (if Other):
Historic Core Shape: Square Historic Core Shape (if Other):
Exterior Walls: Brick Exterior Walls (if Other):
Foundation: Slab construction Foundation (if Other):
Commercial Form: Commercial Form (if Other):
Roof Shape: Mansard Roof Shape (if Other):
Roof Materials: Other metal Roof Materials (if Other) copper
Stories: 1 story Stories (if Other):
Porch Width: Porch Width (if Other):
Porch Shape: Porch Shape (if Other):

Description/Significant Features: 1-story brick building with mansard-like roof clad on sides with standing seam copper. S and N elevations have multiple recessed units with large fixed windows. Main entry is on W elev.; garage bay at rear on N elev.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: dates of construction and building numbers

Source of Information: Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452046	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452047	Digital Photo ID 07:
View 02	facing S	View 07
Digital Photo ID 03:		Digital Photo ID 08:
View 03		View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
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South Carolina Department of Archives and History
8301 Parklane Road
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U / 6452.08 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: U.S. Forest Service Garage Workshop

Common Name: Building B049

Address/Location: 2705 Savannah Highway

City: Charleston

Vicinity of ☐

County: Charleston

Ownership: Federal

Category: Building

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Not Eligible

Property Description

Construction Date: 1977

Construction: Frame

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls: Other

Exterior Walls (if Other): vertical wood plank siding

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, end to front

Roof Shape (if Other):

Roof Materials: Composition shingle

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story, gabled building with gable vents, clad in vertical siding with brick exterior at base. 4 metal rolling garage doors on N eleva.; 1 garage door on E elev.; metal, single-entry door on W and S elev.; 2 double hung windows on S elev.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: date of construction and building number

Source of Information: Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452042	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452043	Digital Photo ID 07:
View 02	facing SW	View 07
Digital Photo ID 03:	06452044	Digital Photo ID 08:
View 03	facing SE	View 08
Digital Photo ID 04:	06452045	Digital Photo ID 09:
View 04	facing NE	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
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U / 6452.09

Revisit: ☐

Status Site No.

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: U.S. Forest Service Headhouse Greenhouse

Common Name: Building B046-B048

Address/Location: 2705 Savannah Highway

City: Charleston

Vicinity of ☐

County: Charleston

Ownership: Federal

Category: Building

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Not Eligible

Property Description

Construction Date: 1977

Construction: Frame

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls: Other

Exterior Walls (if Other): vertical wood plank cladding

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, lateral

Roof Shape (if Other):

Roof Materials: Composition shingle

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story, gabled building with gable vents, clad in vertical siding with brick exterior at base. 1 garage door on W elev.; metal, single-entry door on N and E elev.; double hung windows on S, N, W elev.; 2 greenhouses extend off roof gables on S elev

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: date of construction and building numbers

Source of Information: Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452038	Digital Photo ID 06:
View 01	facing SE	View 06
Digital Photo ID 02:	06452039	Digital Photo ID 07:
View 02	facing SW	View 07
Digital Photo ID 03:	06452040	Digital Photo ID 08:
View 03	facing NW	View 08
Digital Photo ID 04:	06452041	Digital Photo ID 09:
View 04	facing NE	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Date Recorded: 8/29/2019

Organization: Brockington

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U / 6452.10

Status Site No.

Revisit: ☐

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form


Identification

Historic Name: Threshing Room

Common Name: Building B034

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of 

County: Charleston

Ownership: Federal

Category: Building

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1936

Construction: Masonry

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls: Other

Exterior Walls (if Other): concrete block

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, end to front

Roof Shape (if Other):

Roof Materials: Composition shingle

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story, concrete block utilitarian building with 3 garage bay openings on E elev. (end openings are closed and clad in vert. siding; entry door in western bay); weatherboard within gable. No windows.

Alterations (include date(s), if known: western-most original garage bay retrofitted with window and single-entry, metal door

Architect(s)/Builder(s):

Historical Information

Historical Information: date of construction and building number

Source of Information: Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452021	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452022	Digital Photo ID 07:
View 02	facing SW	View 07
Digital Photo ID 03:	06452023	Digital Photo ID 08:
View 03	facing NE	View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
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U / 6452.11 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: Tractor Shed
Common Name: Building B024
Address/Location: 2700 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Structure

Historical Use: Agriculture/Subsistence Historical Use (if Other):

Current Use: Agriculture/Subsistence Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: ca. 1974

Construction: Frame

Historic Core Shape: Rectangular

Exterior Walls: Other

Foundation: Slab construction

Commercial Form:

Roof Shape: Hip

Roof Materials: Raised seam metal

Stories: 1 story

Porch Width:

Porch Shape:

Construction (if Other):

Historic Core Shape (if Other):

Exterior Walls (if Other): vertical wood siding

Foundation (if Other):

Commercial Form (if Other):

Roof Shape (if Other):

Roof Materials (if Other):

Stories (if Other):

Porch Width (if Other):

Porch Shape (if Other):

Description/Significant Features: 1-story shed structure with vertical wood cladding on N, S, W elevations; open, 10-bay, E elev. with square posts on concrete blocks as supports. No windows.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: not there in 1971 but there in 1989; dates of construction and building numbers

Source of Information: 1971, 1989 historic aerial photographs; Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452018	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452019	Digital Photo ID 07:
View 02	facing NE	View 07
Digital Photo ID 03:	06452020	Digital Photo ID 08:
View 03	facing SE	View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
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U / 6452.12 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: Growth Rooms Storage
Common Name: Building B004
Address/Location: 2700 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Building
Historical Use: Agriculture/Subsistence Historical Use (if Other):
Current Use: Agriculture/Subsistence Current Use (if Other):
SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1939
Construction: Masonry Construction (if Other):
Historic Core Shape: Rectangular Historic Core Shape (if Other):
Exterior Walls: Brick Exterior Walls (if Other):
Foundation: Slab construction Foundation (if Other):
Commercial Form: Commercial Form (if Other):
Roof Shape: Gable, lateral Roof Shape (if Other):
Roof Materials: Raised seam metal Roof Materials (if Other):
Stories: 1 1/2 stories Stories (if Other):
Porch Width: Entrance bay only Porch Width (if Other):
Porch Shape: Shed Porch Shape (if Other):

Description/Significant Features: 1.5-story main bldg. with no windows; glazed double doors with transom/side lights above on N and S elev.; ext. chimney on N elev.; 1-story attachd bldg. on E w/ metal, single-entry door on E and S elev.

Alterations (include date(s), if known) 1-story bldg has vertical wood cladded addition on N elev. and A/C unit installed in window opening on S elev.; wood staircase and landing to access entry in upper .5 story on W elev.

Architect(s)/Builder(s):

Historical Information

Historical Information: dates of construction and building numbers

Source of Information: Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452005	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452006	Digital Photo ID 07:
View 02	facing SW	View 07
Digital Photo ID 03:	06452007	Digital Photo ID 08:
View 03	facing SE	View 08
Digital Photo ID 04:	06452008	Digital Photo ID 09:
View 04	facing NE	View 09
Digital Photo ID 05:	6452009	Digital Photo ID 10:
View 05	facing SW	View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

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U / 6452.13 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: Implement Shed/Farm Shop
Common Name: Building B003
Address/Location: 2700 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Building

Historical Use: Agriculture/Subsistence Historical Use (if Other):

Current Use: Agriculture/Subsistence Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1936

Construction: Frame

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls: Other

Exterior Walls (if Other): vertical wood plank siding

Foundation: Stuccoed masonry

Foundation (if Other): and slab construction

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, lateral

Roof Shape (if Other):

Roof Materials: Raised seam metal

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story bldg. with vertical wood cladding; 8-bay openings with roll up doors and 1 metal, single-entry door on N and S elev., 2 sets of paired, windows on E and W elev. (fixed on W and 6/6, dbl-hung on E elev.)

Alterations (include date(s), if known possibly historic 1-room addition on N elev.

Architect(s)/Builder(s):

Historical Information

Historical Information: date of construction and building number

Source of Information: Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452001	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452002	Digital Photo ID 07:
View 02	facing SW	View 07
Digital Photo ID 03:	06452003	Digital Photo ID 08:
View 03	facing SE	View 08
Digital Photo ID 04:	06452004	Digital Photo ID 09:
View 04	facing NE	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

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U / 6452.14

Status Site No.

Revisit: ☐

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form


Identification

Historic Name: Implement Shed

Common Name: Building B007

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of 

County: Charleston

Ownership: Federal

Category: Structure

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: ca. 1960

Construction: Frame

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls:

Exterior Walls (if Other):

Foundation: Other

Foundation (if Other): no foundation

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, lateral

Roof Shape (if Other):

Roof Materials: Raised seam metal

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story open shed with round timber supports.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: not present on 1957 aerial but present on 1971 aerial; dates of construction and building numbers

Source of Information: 1957, 1971 historic aerials; Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452016	Digital Photo ID 06:
View 01	facing NE	View 06
Digital Photo ID 02:	06452017	Digital Photo ID 07:
View 02	facing NW	View 07
Digital Photo ID 03:		Digital Photo ID 08:
View 03		View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

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U / 6452.15

Status Site No.

Revisit: ☐

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form


Identification

Historic Name: Implement Shed

Common Name: Building B006

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of 

County: Charleston

Ownership: Federal

Category: Structure

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1950

Construction: Frame

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls:

Exterior Walls (if Other):

Foundation: Other

Foundation (if Other): no foundation

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, lateral

Roof Shape (if Other):

Roof Materials: Raised seam metal

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story open shed with round timber supports.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: date of construction and building number

Source of Information: Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452014	Digital Photo ID 06:
View 01	facing NE	View 06
Digital Photo ID 02:	06452015	Digital Photo ID 07:
View 02	facing NW	View 07
Digital Photo ID 03:		Digital Photo ID 08:
View 03		View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
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U / 6452.16 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: Barn
Common Name: Barn/Pesticide Storage/Building B005
Address/Location: 2700 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Building
Historical Use: Agriculture/Subsistence Historical Use (if Other):
Current Use: Agriculture/Subsistence Current Use (if Other):
SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1936
Construction: Frame Construction (if Other):
Historic Core Shape: Rectangular Historic Core Shape (if Other):
Exterior Walls: Other Exterior Walls (if Other): vertical wood plank siding
Foundation: Stuccoed masonry Foundation (if Other):
Commercial Form: Commercial Form (if Other):
Roof Shape: Gable, end to front Roof Shape (if Other):
Roof Materials: Raised seam metal Roof Materials (if Other):
Stories: 1 1/2 stories Stories (if Other):
Porch Width: Porch Width (if Other):
Porch Shape: Porch Shape (if Other):

Description/Significant Features: 1.5 story, frame, end to front gable roof building clad in vert. plank siding with 3 single 6/6, double hung, wood sash windows on N, E, W elev.; addit. window on N elev. in upper .5 story; single-entry door on N, E, W elev.

Alterations (include date(s), if known) A/C unit installed in wall on S elev.; 1 window on E and W elev. enclosed and retrofitted for ventilation

Architect(s)/Builder(s):

Historical Information

Historical Information: referred to as Storage (mule barn); dates of construction and building numbers

Source of Information: ARS-owned USDA 1973 inventory; Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452010	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452011	Digital Photo ID 07:
View 02	facing SW	View 07
Digital Photo ID 03:	06452012	Digital Photo ID 08:
View 03	facing SE	View 08
Digital Photo ID 04:	06452013	Digital Photo ID 09:
View 04	facing NE	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties

State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
Columbia, SC 29223-4905 (803) 896-6100

Site No. 6452.17 Status U Revisit
Quadrangle Name: Johns Island
Tax Map No. 3070000001

SURVEY FORM

Identification

Historic Name: Road system at USDA-ARS property
Common Name:
Address/Location: 2700 Savannah Highway
City: Charleston Vicinity of County: Charleston
Ownership: Federal Category: Structure Other:
Historical Use: Transportation
Current Use: Transportation
SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: ca. 1920; ca. 1942 Construction:
Historic Core Shape: Exterior Walls:
Other: Foundation:
Commercial Form: Roof Shape:
Other: Roof Material:
Stories: Porch Shape:
Other: Porch Width:

Other:

Description/Significant Features:

The system of unimproved and improved roads associated with the USDA-ARS property include all those that existed prior to the USDA's ownership (see 1920 Ravenel topo map), those that were constructed for the USDA's use, and those that were constructed or improved for the Navy's use (1942-1957) when the Department of the Navy U.S. Radio Station, Dupont, SC occupied portions of the property. The road system includes all roads within the original 451-acre parcel at 2700 Savannah Highway on the north side of Savannah Highway.

Alterations (include date(s), if known):

Architect(s)/Builder(s):

Historical Information

Historical Information:

Source(s) of Information:

USDA hand drawn map with labeled fields; USDA property with labeled fields on aerial photograph; 1920 Ravenel topographic quadrangle; USDA historic aerial 1957.

Digital Photo ID(s)

File Name:	View:	Other:
06452094	Facing South	at central entry
06452095	Facing North	at central entry
06452096	Facing Northeast	at central entry
06452097	Facing West	at central entry

Program Management

Recorded by:
Lannie Kittrell

Organization:
Brockington

Date Recorded:
08/29/2019

Statewide Survey of Historic Properties

State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
Columbia, SC 29223-4905 (803) 896-6100

Site No. 6452.18 Status U Revisit
Quadrangle Name: Johns Island
Tax Map No. 3070000001

SURVEY FORM

Identification

Historic Name: Agricultural fields at USDA-ARS property
Common Name:
Address/Location: 2700 Savannah Highway
City: Charleston Vicinity of County: Charleston
Ownership: Federal Category: Site Other:
Historical Use: Agriculture/ Subsistence
Current Use: Agriculture/ Subsistence
SHPO National Register Contributes to Eligible District
Determination of Eligibility:

Property Description

Construction Date: ca. 1930s Construction:
Historic Core Shape: Exterior Walls:
Other: Foundation:
Commercial Form: Roof Shape:
Other: Roof Material:
Stories: Porch Shape:
Other: Porch Width:

Description/Significant Features:

The agricultural fields associated with the USDA-ARS property include all those numbered fields within the original 451-acre parcel at 2700 Savannah Highway on the north side of Savannah Highway.

Alterations (include date(s), if known):

Architect(s)/Builder(s):

Historical Information

Historical Information:

Source(s) of Information:

USDA hand drawn map with labeled fields; USDA property with labeled fields on aerial photograph; USDA historic aerial 1957.

Digital Photo ID(s)

File Name:	View:	Other:
06452091	Facing West	fields NW of 6452.19
06452092	Facing Southwest	fields NW of 6452.19
06452093	Facing West	fields W of 6452.19
06452098	Facing East	fields N of 6452.11
06452099	Facing West	fields NW of 6452.11

Program Management

Recorded by:
Lannie Kittrell

Organization:
Brockington

Date Recorded:
08/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
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U / 6452.19
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Revisit: ☐

Survey Form

Identification

Historic Name: Headhouse Greenhouse Complex

Common Name: Building B045

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of ☐

County: Charleston

Ownership: Federal

Category: Building

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Not Eligible

Property Description

Construction Date: 2005, 2010

Construction: Frame

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls: Brick

Exterior Walls (if Other):

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, lateral

Roof Shape (if Other):

Roof Materials: Raised seam metal

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: Contemporary, 1-story, brick building with greenhouses to the north.

Alterations (include date(s), if known)

Architect(s)/Builder(s): Kenneth M. Betsch, AIA, Odell Assoc., Inc.

Historical Information

Historical Information: dates of construction and building numbers

Source of Information: Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452028	Digital Photo ID 06:
View 01	facing NE	View 06
Digital Photo ID 02:	06452029	Digital Photo ID 07:
View 02	facing SE	View 07
Digital Photo ID 03:	06452030	Digital Photo ID 08:
View 03	facing SW	View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
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U / 6452.20

Revisit: ☐

Status Site No.

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: USDA Vegetable Laboratory

Common Name: Building B044

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of ☐

County: Charleston

Ownership: Federal

Category: Building

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Not Eligible

Property Description

Construction Date: 2003

Construction: Frame

Construction (if Other):

Historic Core Shape: Irregular

Historic Core Shape (if Other):

Exterior Walls: Brick

Exterior Walls (if Other):

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Other

Roof Shape (if Other): multiple gable roofs

Roof Materials: Raised seam metal

Roof Materials (if Other):

Stories: 2 stories

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: Contemporary, 69,500-sq. ft, 2-story brick building with 2 rectangular wings connected by walkways at end of each wing centered around courtyard.

Alterations (include date(s), if known)

Architect(s)/Builder(s): Kenneth M. Betsch, AIA, Odell Assoc., Inc.

Historical Information

Historical Information: dates of construction and building numbers

Source of Information: Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452024	Digital Photo ID 06:
View 01	facing WNW	View 06
Digital Photo ID 02:	06452025	Digital Photo ID 07:
View 02	facing NW	View 07
Digital Photo ID 03:	06452026	Digital Photo ID 08:
View 03	facing SW	View 08
Digital Photo ID 04:	06452027	Digital Photo ID 09:
View 04	facing SE	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
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U / 6452.21

Status Site No.

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Revisit: ☐

Survey Form

Identification

Historic Name: Screenhouse cage

Common Name: Building B021

Address/Location: 2700 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Structure

Historical Use: Agriculture/Subsistence Historical Use (if Other):

Current Use: Agriculture/Subsistence Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1973

Construction: Frame Construction (if Other):

Historic Core Shape: Rectangular Historic Core Shape (if Other):

Exterior Walls: Other Exterior Walls (if Other): screen

Foundation: Slab construction Foundation (if Other):

Commercial Form: Commercial Form (if Other):

Roof Shape: Missing Roof Shape (if Other):

Roof Materials: Other Roof Materials (if Other):

Stories: 1 story Stories (if Other):

Porch Width: Porch Width (if Other):

Porch Shape: Porch Shape (if Other):

Description/Significant Features: rectangular screened cage with screened roof and concrete block edges at foundation.

Alterations (include date(s), if known

Architect(s)/Builder(s):

Historical Information

Historical Information: dates of construction and building numbers

Source of Information: Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452048	Digital Photo ID 06:
View 01	facing N	View 06
Digital Photo ID 02:		Digital Photo ID 07:
View 02		View 07
Digital Photo ID 03:		Digital Photo ID 08:
View 03		View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

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U / 6452.22

Revisit: ☐

Status Site No.

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: Garage/Shop

Common Name: Entomology Building/Building B013

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of ☐

County: Charleston

Ownership: Federal

Category: Building

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1971

Construction: Steel

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls: Other

Exterior Walls (if Other): Ridged metal

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, end to front

Roof Shape (if Other):

Roof Materials: Raised seam metal

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story metal storage shed with single entry door on W and roll up garage door on E. Metal industrial windows on N, S, W elevs. and within garage door.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: not on 1957 aerial but on 1971 aerial; dates of construction and building numbers

Source of Information: 1957, 1971 historic aerials; Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452049	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452050	Digital Photo ID 07:
View 02	facing SW	View 07
Digital Photo ID 03:	06452051	Digital Photo ID 08:
View 03	facing E	View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
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U / 6452.23 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: Department of Navy Building 11/Operating Bldg. #2

Common Name: Office/Lab/Building B011

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of ☐

County: Charleston

Ownership: Federal

Category: Building

Historical Use: Defense

Historical Use (if Other):

Current Use: Unknown

Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1954

Construction: Masonry

Construction (if Other):

Historic Core Shape: U

Historic Core Shape (if Other):

Exterior Walls: Stucco

Exterior Walls (if Other):

Foundation: Raised basement

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Flat

Roof Shape (if Other):

Roof Materials: Not visible

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width: Entrance bay only

Porch Width (if Other):

Porch Shape: Flat

Porch Shape (if Other):

Description/Significant Features: 1-story, U-shape, stucco-covered building with flat-roof and central exterior chimney. Single entry door on each on W; central shed roofed dbl. doors in center of U on W; double doors (mothballed) on E facade. Minimal windows only on N, W, and S elev.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: part of Navy development on leased USDA, ARS land, 1942-1957

Source of Information: U.S. Naval Radio Station, Dupont, S.C., Master Shore Station Development Plan, Dept. of the Navy, 1954;
Master Shore Station Development Plan, Dept. of the Navy, 1955

Digital Photo ID(s):

Digital Photo ID 01:	06452052	Digital Photo ID 06:
View 01	facing W	View 06
Digital Photo ID 02:	06452053	Digital Photo ID 07:
View 02	facing N	View 07
Digital Photo ID 03:	06452054	Digital Photo ID 08:
View 03	facing E	View 08
Digital Photo ID 04:	06452055	Digital Photo ID 09:
View 04	facing SE	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
South Carolina Department of Archives and History
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U / 6452.24

Revisit: ☐

Status Site No.

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form


Identification

Historic Name: Headhouse Greenhouse

Common Name: Building B019

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of 

County: Charleston

Ownership: Federal

Category: Building

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: ca. 1967

Construction: Masonry

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls: Other

Exterior Walls (if Other): concrete block

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, lateral

Roof Shape (if Other):

Roof Materials: Composition shingle

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story, side-gable roof, masonry bldg. w/ slight wing at roof line; gable vents; central pair of dbl. doors and single entry door on N elev.; 2 greenhouses extend off S; wood, horiz. pane windows on all 4 sides. Moderne horiz. band above door/window frme

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: not present on 1957 aerial but present on 1971 aerial; dates of construction and building numbers

Source of Information: 1957, 1971 historic aerials; Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452056	Digital Photo ID 06:
View 01	facing SW	View 06
Digital Photo ID 02:	06452057	Digital Photo ID 07:
View 02	facing SE	View 07
Digital Photo ID 03:	06452058	Digital Photo ID 08:
View 03	facing NE	View 08
Digital Photo ID 04:	06452059	Digital Photo ID 09:
View 04	facing NW	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
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U / 6452.25 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: Dutch Style Shed
Common Name: Building B032
Address/Location: 2700 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Building
Historical Use: Agriculture/Subsistence Historical Use (if Other):
Current Use: Agriculture/Subsistence Current Use (if Other):
SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: ca. 1967
Construction: Frame Construction (if Other):
Historic Core Shape: Rectangular Historic Core Shape (if Other):
Exterior Walls: Weatherboard Exterior Walls (if Other):
Foundation: Concrete block Foundation (if Other):
Commercial Form: Commercial Form (if Other):
Roof Shape: Gambrel Roof Shape (if Other):
Roof Materials: Composition shingle Roof Materials (if Other):
Stories: 1 1/2 stories Stories (if Other):
Porch Width: Porch Width (if Other):
Porch Shape: Porch Shape (if Other):

Description/Significant Features: 1.5-story pre-fabricated shed with gambrel roof, vertical plank siding, asphalt shingle covered roof. Double doors and window in .5 story on N elev. Metal double hung windows on E, W, and S elev.

Alterations (include date(s), if known A/C installed in S elev.

Architect(s)/Builder(s):

Historical Information

Historical Information: not on 1957 aerial but on 1971 aerial; dates of construction and building numbers

Source of Information: 1957, 1971 historic aerial photographs; Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452064	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452065	Digital Photo ID 07:
View 02	facing SW	View 07
Digital Photo ID 03:	06452066	Digital Photo ID 08:
View 03	facing SE	View 08
Digital Photo ID 04:	06452067	Digital Photo ID 09:
View 04	facing NE	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
Columbia, SC 29223-4905 (803) 896-6100

U / 6452.26

Revisit: ☐

Status Site No.

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form


Identification

Historic Name: Sweet Potato Grade Storage

Common Name: Building B017

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of 

County: Charleston

Ownership: Federal

Category: Building

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1974

Construction: Steel

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls: Other

Exterior Walls (if Other): Ridged metal

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, lateral

Roof Shape (if Other):

Roof Materials: Raised seam metal

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story metal storage shed with single entry door and roll up garage door on N elev. Metal clerestory windows on N and S elevs. 1 industrial wind. on N elev.; metal double doors on W.

Alterations (include date(s), if known) open addition on E elev. Gabled metal roof extended with wood frame. Slab foundation.

Architect(s)/Builder(s):

Historical Information

Historical Information: dates of construction and building numbers

Source of Information: Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452068	Digital Photo ID 06:
View 01	facing SW	View 06
Digital Photo ID 02:	06452069	Digital Photo ID 07:
View 02	facing SE	View 07
Digital Photo ID 03:	06452070	Digital Photo ID 08:
View 03	facing NE	View 08
Digital Photo ID 04:	06452071	Digital Photo ID 09:
View 04	facing N	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
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U / 6452.27
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Revisit: ☐

Survey Form

Identification

Historic Name: Storage
Common Name: Building B018
Address/Location: 2700 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Building
Historical Use: Agriculture/Subsistence Historical Use (if Other):
Current Use: Agriculture/Subsistence Current Use (if Other):
SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1967
Construction: Steel Construction (if Other):
Historic Core Shape: Rectangular Historic Core Shape (if Other):
Exterior Walls: Other Exterior Walls (if Other): metal
Foundation: Slab construction Foundation (if Other):
Commercial Form: Commercial Form (if Other):
Roof Shape: Gable, end to front Roof Shape (if Other):
Roof Materials: Composition shingle Roof Materials (if Other):
Stories: 1 story Stories (if Other):
Porch Width: Porch Width (if Other):
Porch Shape: Porch Shape (if Other):

Description/Significant Features: 1-story, metal building with metal dbl doors on E and single entry door on W; metal sliding windows on N, E, and W elev.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: not present on 1957 aerial but present on 1971 aerial; dates of construction and building numbers

Source of Information: 1957, 1971 historic aerials; Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452060	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452061	Digital Photo ID 07:
View 02	facing SW	View 07
Digital Photo ID 03:	06452062	Digital Photo ID 08:
View 03	facing SE	View 08
Digital Photo ID 04:	06452063	Digital Photo ID 09:
View 04	facing NE	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
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U / 6452.28 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: Headhouse Greenhouse
Common Name: Building B016
Address/Location: 2700 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Building

Historical Use: Agriculture/Subsistence Historical Use (if Other):

Current Use: Agriculture/Subsistence Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: 1967

Construction: Masonry

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls: Other

Exterior Walls (if Other): concrete block

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, lateral

Roof Shape (if Other):

Roof Materials: Composition shingle

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story, side-gable roof, masonry bldg. w/ slight wings at roof line; gable vents; central pair of dbl. doors and single entry door on N elev.; 2 g.houses extend off S; wood, horiz. pane windows on all 4 sides. Moderne horiz. band above top of door frme.

Alterations (include date(s), if known) 2 A/C units installed in N elev.

Architect(s)/Builder(s):

Historical Information

Historical Information: not present on 1957 aerial but present on 1971 aerial; dates of construction and building numbers

Source of Information: 1957, 1971 historic aerials; Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452072	Digital Photo ID 06:
View 01	facing SW	View 06
Digital Photo ID 02:	06452073	Digital Photo ID 07:
View 02	facing SE	View 07
Digital Photo ID 03:	06452074	Digital Photo ID 08:
View 03	facing NE	View 08
Digital Photo ID 04:	06452075	Digital Photo ID 09:
View 04	facing NW	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
Columbia, SC 29223-4905 (803) 896-6100

U / 6452.29

Status Site No.

Revisit: ☐

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form


Identification

Historic Name: Pump House 2

Common Name: Building B00B/PH2

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of 

County: Charleston

Ownership: Federal

Category: Structure

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: ca. 1960

Construction: Frame

Construction (if Other):

Historic Core Shape: Square

Historic Core Shape (if Other):

Exterior Walls: Synthetic siding

Exterior Walls (if Other):

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Gable, end to front

Roof Shape (if Other):

Roof Materials: Composition shingle

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story, gabled roof building with 1window on SE and NW elevs. and 1 entry door on E elev.

Alterations (include date(s), if known

Architect(s)/Builder(s):

Historical Information

Historical Information: not on 1957 aerial but on 1971 aerial; 2006 date of construction and building number from Builder Assessment Report

Source of Information: 1957, 1971 historic aerials; Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452076	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452077	Digital Photo ID 07:
View 02	facing SW	View 07
Digital Photo ID 03:	06452078	Digital Photo ID 08:
View 03	facing NE	View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
Columbia, SC 29223-4905 (803) 896-6100

U / 6452.30

Status Site No.

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Revisit: ☐

Survey Form

Identification

Historic Name: Abandoned phosphate mines

Common Name:

Address/Location: 2700 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Site

Historical Use: Industry Historical Use (if Other):

Current Use: Landscape Current Use (if Other):

SHPO National Register Determination of Eligibility: Not Eligible

Property Description

Construction Date: ca. 1900

Construction: Construction (if Other):

Historic Core Shape: Historic Core Shape (if Other):

Exterior Walls: Exterior Walls (if Other):

Foundation: Foundation (if Other):

Commercial Form: Commercial Form (if Other):

Roof Shape: Roof Shape (if Other):

Roof Materials: Roof Materials (if Other)

Stories: Stories (if Other):

Porch Width: Porch Width (if Other):

Porch Shape: Porch Shape (if Other)

Description/Significant Features: Landscape features peaks and valleys, evidence of mechanical dug phosphate mines.

Alterations (include date(s), if known

Architect(s)/Builder(s):

Historical Information

Historical Information: part of the land owned by Charleston Mining & Manufacturing Co.

Source of Information: CCDB C38 page 579 plat

Digital Photo ID(s):

Digital Photo ID 01:	06452087	Digital Photo ID 06:
View 01	facing SW	View 06
Digital Photo ID 02:	06452088	Digital Photo ID 07:
View 02	facing S	View 07
Digital Photo ID 03:	06452089	Digital Photo ID 08:
View 03	facing SW	View 08
Digital Photo ID 04:	06452090	Digital Photo ID 09:
View 04	facing SE	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
Columbia, SC 29223-4905 (803) 896-6100

U / 6452.31

Status Site No.

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Revisit: ☐

Survey Form

Identification

Historic Name: Department of Navy Hose House; Ruin

Common Name:

Address/Location: 2700 Savannah Highway

City: Charleston Vicinity of ☐ County: Charleston

Ownership: Federal Category: Structure

Historical Use: Defense Historical Use (if Other):

Current Use: Unknown Current Use (if Other):

SHPO National Register Determination of Eligibility: Not Eligible

Property Description

Construction Date: 1954

Construction: Masonry Construction (if Other):

Historic Core Shape: Square Historic Core Shape (if Other):

Exterior Walls: Brick Exterior Walls (if Other):

Foundation: Not visible Foundation (if Other):

Commercial Form: Commercial Form (if Other):

Roof Shape: Missing Roof Shape (if Other):

Roof Materials: Other Roof Materials (if Other) missing roof

Stories: 1 story Stories (if Other):

Porch Width: Porch Width (if Other):

Porch Shape: Porch Shape (if Other):

Description/Significant Features: Brick auxiliary building with mix of brick patterns: running bond and row of headers; pierced vents visible near foundation on W elev. Entry opening on S elev. with no door; no windows; roof missing/collapsed.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: part of Navy development on leased USDA, ARS land, 1942-1957

Source of Information: U.S. Naval Radio Station, Dupont, S.C., Master Shore Station Development Plan, Dept. of the Navy, 1954;
Master Shore Station Development Plan, Dept. of the Navy, 1955

Digital Photo ID(s):

Digital Photo ID 01:	06452083	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452084	Digital Photo ID 07:
View 02	facing NE	View 07
Digital Photo ID 03:	06452085	Digital Photo ID 08:
View 03	facing SE	View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
Columbia, SC 29223-4905 (803) 896-6100

U / 6452.32 Revisit: ☐
Status Site No.
Quadrangle Name: Johns Island
Tax Map No.: 3070000001

Survey Form

Identification

Historic Name: Department of Navy Building 45/Operating Bldg. #3, Ruin

Common Name:

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of 

County: Charleston

Ownership: Federal

Category: Site

Historical Use: Defense

Historical Use (if Other):

Current Use: Unknown

Current Use (if Other):

SHPO National Register Determination of Eligibility: Not Eligible

Property Description

Construction Date: 1954

Construction:

Construction (if Other):

Historic Core Shape:

Historic Core Shape (if Other):

Exterior Walls:

Exterior Walls (if Other):

Foundation: Raised basement

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape:

Roof Shape (if Other):

Roof Materials:

Roof Materials (if Other)

Stories:

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other)

Description/Significant Features: only extant portion is walls of foundation.

Alterations (include date(s), if known)

Architect(s)/Builder(s):

Historical Information

Historical Information: part of Navy development on leased USDA, ARS land, 1942-1957

Source of Information: U.S. Naval Radio Station, Dupont, S.C., Master Shore Station Development Plan, Dept. of the Navy, 1954;
Master Shore Station Development Plan, Dept. of the Navy, 1955

Digital Photo ID(s):

Digital Photo ID 01:	06452086	Digital Photo ID 06:
View 01	facing N	View 06
Digital Photo ID 02:		Digital Photo ID 07:
View 02		View 07
Digital Photo ID 03:		Digital Photo ID 08:
View 03		View 08
Digital Photo ID 04:		Digital Photo ID 09:
View 04		View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019

Statewide Survey of Historic Properties
State Historic Preservation Office
South Carolina Department of Archives and History
8301 Parklane Road
Columbia, SC 29223-4905 (803) 896-6100

U / 6452.33

Status Site No.

Revisit: ☐

Quadrangle Name: Johns Island

Tax Map No.: 3070000001

Survey Form


Identification

Historic Name: Pump House 1

Common Name: Building B00A/PH1

Address/Location: 2700 Savannah Highway

City: Charleston

Vicinity of 

County: Charleston

Ownership: Federal

Category: Structure

Historical Use: Agriculture/Subsistence

Historical Use (if Other):

Current Use: Agriculture/Subsistence

Current Use (if Other):

SHPO National Register Determination of Eligibility: Contributes to Eligible District

Property Description

Construction Date: ca. 1960

Construction: Frame

Construction (if Other):

Historic Core Shape: Rectangular

Historic Core Shape (if Other):

Exterior Walls: Synthetic siding

Exterior Walls (if Other):

Foundation: Slab construction

Foundation (if Other):

Commercial Form:

Commercial Form (if Other):

Roof Shape: Hip

Roof Shape (if Other):

Roof Materials: Composition shingle

Roof Materials (if Other):

Stories: 1 story

Stories (if Other):

Porch Width:

Porch Width (if Other):

Porch Shape:

Porch Shape (if Other):

Description/Significant Features: 1-story, hipped roof building with 1window on SW elev. and 1 entry door on SE elev.

Alterations (include date(s), if known

Architect(s)/Builder(s):

Historical Information

Historical Information: not on 1957 aerial but on 1971 aerial; 2004 date of construction from 2018 Builder Facility Report

Source of Information: 1957, 1971 historic aerials; Builder Facility Assessment Report, 2018

Digital Photo ID(s):

Digital Photo ID 01:	06452079	Digital Photo ID 06:
View 01	facing NW	View 06
Digital Photo ID 02:	06452080	Digital Photo ID 07:
View 02	facing N	View 07
Digital Photo ID 03:	06452081	Digital Photo ID 08:
View 03	facing SE	View 08
Digital Photo ID 04:	06452082	Digital Photo ID 09:
View 04	facing S	View 09
Digital Photo ID 05:		Digital Photo ID 10:
View 05		View 10

Program Management

Recorded by: Lannie Kittrell

Organization: Brockington

Date Recorded: 8/29/2019